Groundwater & Environmental Services, Inc.

WESTERN NEW YORK OFFICE

July 14, 2015

Mr. Joshua Haugh
NYSDEC
Division of Environmental Remediation
625 Broadway – 12th Floor
Albany, New York 12233-7017

Re: Supplemental Subsurface Investigation Report
Former Barthelmes Manufacturing
15 Cairn Street
Rochester, New York
NYSDEC Site # 828122

Dear Mr. Haugh:

Groundwater & Environmental Services, Inc. (GES) has prepared the enclosed *Supplemental Subsurface Investigation Report* the former Barthelmes Manufacturing site, located in Rochester, New York. The work was completed in accordance with the revised call-out issued by New York State Department of Environmental Conservation on July 11, 2014.

If you have any questions or comments, please do not hesitate to contact GES at your convenience.

Sincerely,

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

Eric D. Popken
Project Manager

Enclosure

SUPPLEMENTAL SUBSURFACE INVESTIGATION REPORT

Former Barthelmes Manufacturing Site
15 Cairn Street
Rochester, New York
NYSDEC Site #828122

Prepared for

New York State Department of Environmental Conservation
625 Broadway – 12th Floor
Albany, New York 12233-7017

Report Date

July 14, 2015

Prepared By:

Jennifer Clay
Associate Geologist

Reviewed By:

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Project Manager

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.
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1.0 INTRODUCTION

Groundwater & Environmental Services, Inc. (GES) has prepared this *Supplemental Subsurface Investigation Report* for the former Barthelmes Manufacturing site, a class 2 inactive hazardous waste site, located in Rochester, New York (NYSDEC site no. 828128). The primary purpose of this investigation was to collect data needed to more clearly define remedial design parameters per the 2013 Record of Decision (ROD) for the site. A site location map is provided on **Figure 1**.

2.0 SUBSURFACE INVESTIGATION

From September 11 through 15, 2014, TREC Environmental, Inc. (TREC), of Spencerport, New York, under the supervision of GES, advanced 4 soil borings (MW-30 through MW-33) using a Geoprobe® 6620DT track-mounted direct push rig. Soil borings were advanced to depths ranging from twenty to twenty-four feet below grade (ftbg). All 4 soil borings were converted to groundwater monitoring wells (MW-30 through MW-33). A table summarizing the general groundwater analytical sampling matrix and analyses performed is provided as **Table 1**.

2.1 Soil Borings

Soil samples were collected in approximate two- to four-foot intervals via direct push macro-core sampling. Soil samples were logged by GES personnel for color, moisture content, grain size, and visual evidence of contamination. A portion of each sample collected was placed into a re-sealable plastic bag and screened for the presence of volatile organic vapors. GES personnel used a MiniRAE 2000 photo-ionization detector (PID) equipped with a 10.6 and/or 11.7 electron-volt (eV) lamp which was calibrated daily to a 100 parts per million by volume (ppmv) isobutylene standard. For soil borings without elevated PID readings a sample was collected at the vadose zone/water table interface. For soil borings with elevated PID readings, the sample that recorded the highest PID reading from was submitted to TestAmerica Laboratories, Inc. (TestAmerica) of Amherst, New York for laboratory analysis of volatile organic compounds (VOCs) via USEPA Method 8260C.

The soil boring locations, with respect to the site layout are illustrated on **Figure 2**. Soil boring logs containing soil lithology, field screening readings and general observations are included in **Appendix A**.

2.2 Monitoring Well Installation

All four soil borings were converted to groundwater monitoring wells (MW-30 through MW-33). The table below summarizes the soil borings' and their corresponding monitoring wells' depths.

Soil Boring/ Monitoring Well	Total Depth (ftbg)	Screened Interval (ftbg)
MW-30	20	5-20
MW-31	22.9	6-21
MW-32	24	9-24
MW-33	24	8-23

The monitoring wells were constructed with two inch inner diameter schedule 40 polyvinyl chloride (PVC) flush-threaded pipe. The wells were installed to depths ranging from twenty to twenty-four ftbg in the shallow sandy water-bearing zone encountered during this investigation and previous investigations at the site. The monitoring wells were constructed with 0.010-inch machine slotted, 10-foot long screens.

The wells were completed with a sand filter pack surrounding the wells screen to a height of twelve inches above the top of the screen, followed by a bentonite seal. With the exception of MW-32, the wells were installed to rise approximately three to four inches below grade and were completed with 8-inch diameter steel flush-mount curb boxes set in a 2-foot by 2-foot concrete pad. MW-32 was installed offsite along the southern property boundary at 20 Cairn Street in a vegetated area. MW-32 was installed to rise approximately 3 feet above grade and was completed with a 6-inch diameter steel lockable protective casing, set in a concrete apron.

2.3 Site Survey

GES surveyed top of casing (TOC) elevations of monitoring wells MW-30 through MW-33 using standard laser level survey methods. Collected TOC elevations were referenced to the TOC elevations of existing monitoring wells, and were measured to the nearest ± 0.01 foot. The horizontal locations were surveyed using global positioning system (GPS). TOC elevations and survey coordinates are provided in the bore logs in **Appendix A**.

2.4 Monitoring Well Development

Following installation of the monitoring wells, the wells were developed to facilitate hydraulic communication between the formation and the well screen.

The wells were developed via mechanical surging method using a surge block device. The surge block can be used effectively to destroy the bridging of the fine formation particles and to create the agitation that is necessary to develop the well. The surge block technique was used alternatively with manual bailing so that material that has been agitated and loosened by the surging action could be removed. Surging and bailing was conducted until either water clarity was improved or until the wells could not sustain further purging.

2.5 Monitoring Well Sampling

On October 10, 2014, passive diffusion bags (PDBs) were deployed at the following wells: MW-1, MW-2, MW-6, MW-8, MW-11, MW-15, MW-30, MW-31, MW-32, MW-33, RW-2, and HRP-BR-3. On December 2, 2014, groundwater samples were obtained from the PDBs, collected in lab supplied bottleware and submitted to TestAmerica for laboratory analysis of VOCs via USEPA Method 8260C. The analytical data is available on **Table 3** and **Appendix B**.

On December 2, 3 and 4, 2014, GES conducted low-flow groundwater sampling activities at monitoring wells MW-11, MW-30, MW-31, and MW-33, in accordance with the sampling matrix shown in **Table 1**.

Prior to sampling, gauging was performed to determine static water levels and the presence of non-aqueous phase liquids (NAPL) using an oil/water interface probe. The interface probe measures depth to groundwater and phase separated hydrocarbons to the nearest ± 0.01-foot. The interface probe was decontaminated prior to use and between wells utilizing a deionized (DI) water and Liquinox™ rinse to prevent cross-contamination. NAPL was not detected in the wells.

Groundwater sampling was conducted using low-flow sampling techniques to collect groundwater samples in accordance with the sampling matrix shown in **Table 1**. Groundwater was extracted using a bladder pump with disposable tubing for each monitoring well. Field groundwater parameters, including temperature, pH, conductivity, dissolved oxygen, and oxidation/reduction potential were collected during

the low-flow sampling at each well using a Horiba U52 Multi-parameter Water Quality Meter equipped with a flow through cell. Turbidity readings were collected using a LaMotte 2020we Turbidity Meter. Field groundwater parameters were recorded and are provided on the low flow sampling logs in **Appendix C**.

Groundwater samples that were obtained from low flow purging and sampling were collected in lab supplied bottleware and submitted to TestAmerica for laboratory analysis of VOCs via USEPA Method 8260C, dissolved gases (methane, ethane, and ethene) via USEPA Method RSK-175, metals via USEPA Method 6010C, and general chemistry (nitrate, sulfate, total organic carbon, and total alkalinity).

On December 3, 2014, three biotraps provided by Microbial Insights, Inc., of Knoxville, Tennessee, were deployed by GES at MW-11 (one BioStim Unit) and at MW-33 (one BioStim Unit and one Control/MNA Unit). The biotraps were utilized to provide NYSDEC with groundwater data relative to biodegradation of the VOC contaminant plume on-site. On January 29, 2015, the biotraps were retrieved and samples were collected and shipped to Microbial Insights, Inc. laboratory for analysis. The microbial census report is provided in **Appendix D**.

2.6 Data Usability Summary Report

A third party data validator (Vali-Data of WNY, LLC) was contracted to prepare a Data Usability Summary Report (DUSR) for the laboratory results in accordance with NYSDEC Division of Environmental Remediation (DER)-10 *Technical Guidance for Site Investigation and Remediation* (May 2010). The DUSR reports and associated validated laboratory analytical reports are provided in **Appendix B**. The DUSR did not indicate any issues that would invalidate the use of the laboratory data.

3.0 SUBSURFACE INVESTIGATION RESULTS

3.1 Lithology and Field Observations

The soil boring locations, with respect to the site layout are illustrated on **Figure 2**.

In general, four distinct lithological layers were encountered during the subsurface investigation: fill material, a clay interval, a sand interval, and a till layer where the investigation was terminated. These layers were consistent with the upper layers encountered during previous subsurface investigations. A summary of the observed site lithology and field observations are described below:

- FILL – Fill material containing varying degrees of silt, clay, sand, and gravel. Fill material was generally observed from the surface to depths ranging from 0 to 6 ftbg.
- CLAY – Red-brown, silty clay was occasionally encountered below the fill interval. The clay layer was generally observed from 3 to 8 ftbg.
- SAND – tan-brown or brown, fine to medium sand was observed below the fill or clay material. The sand layer was typically observed at depths ranging from eight to twenty-three ftbg. Wet to saturated conditions indicative of the shallow water table aquifer were generally observed at depths ranging from 6ftbg at MW-30 and MW-33 to 24 ftbg at MW-32 and were generally observed in the sand interval.
- TILL – Compacted sand, silt, clay, and gravel general observed from 20 to 24 ftbg.
- PID screening results were typically less than 1.0 ppmv throughout the site, with the exception of MW-30 (141 ppmv at 1 ftbg) and MW-32 (2.8 ppmv at 16 ftbg).

- NAPL was not observed in any of the soil samples.

Boring logs are available in **Appendix A**.

3.2 Soil Boring Sample Analytical Results

Soil boring analytical data are tabulated in **Table 2**. The laboratory analytical reports are included in **Appendix B**. All subsurface soil analytical results were compared to guidelines provided in Title 6 New York Codes, Rules and Regulations for the Protection of Groundwater for the Protection of Groundwater (6 NYCRR Part 375-6) Soil Cleanup Objectives (SCOs). A summary of the analyzed compounds is provided below:

- 1,1-dichloroethane (1,1-DCA) was detected in MW-30 at 15 µg/kg;
- Acetone was detected in MW-30 at 47 µg/kg;
- Benzene was detected in MW-30 at 0.77 µg/kg;
- Cis-1,2-dichloroethene (cis-1,2,-DCE) was detected in MW-30 and MW-32 at 7,000 and 3.6 µg/kg, respectively;
- Ethylbenzene was detected in MW-30 at 2.3 µg/kg;
- Methylcyclohexane was detected in MW-30 at 0.85 µg/kg;
- Tetrachloroethene (PCE) was detected in MW-30 at 25 µg/kg;
- Toluene was detected in MW-30 and the duplicate sample for MW-32 at 24 and 0.51 µg/kg, respectively;
- Trans-1,2-dichloroethene (trans-1,2-DCE) was detected in MW-30 at 140 µg/kg;
- Trichloroethene (TCE) was detected in all soil borings with the highest concentration at 62,000 µg/kg in MW-30, all other detections were below SCOs;
- Total Xylenes was detected in MW-30 at 15 µg/kg.

Compounds exceeding SCOs are shown on **Figure 3** and **Table 2**.

3.3 Overburden Groundwater Flow

Groundwater gauging, analytical, and TOC data are tabulated in **Table 3**. A Groundwater elevation map based on the monitoring well gauging data and TOC elevations from the shallow aquifer wells sampled during this investigation are presented on **Figure 4**. At the time of the investigation, groundwater in the shallow aquifer generally flows to the west across the site.

3.4 Groundwater Analytical Results

Groundwater analytical data are tabulated in **Table 3.** The laboratory analytical reports are included in **Appendix B**. All groundwater analytical results were compared to NYSDEC Technical and Operational Guidance Series 1.1.1 (TOGS) standards (or guidance values where no standard exists) Class GA, type H (WS) for protection of drinking water. A summary of the analyzed compounds is provided below:

- Metals – Samples were only collected via low flow purging and sampling. Concentrations of manganese (dissolved) were detected above TOGS guidance values for monitoring wells MW-30, MW-33, and MW-11 at 0.48, 0.39, and 0.36 mg/L, respectively. Iron was detected above the TOGS guidance value for MW-11 at 0.70 mg/L.

- Dissolved Gasses – Samples were only collected via low flow purging and sampling. Dissolved gases (methane, ethane, and ethane) were not detected at or above the method detection limit with the exception of MW-33 at 2.7 µg/L for methane.
- General Chemistry – General chemistry analyses were only performed on samples collected via low flow purging and sampling (MW-11, MW-30, MW-31, and MW-33). The results are summarized on **Table 1**.
- VOCs – Samples were collected via PDBs and low flow purging and sampling for monitoring wells MW-11, MW-30, MW-31, and MW-33. Samples collected via low flow purging and sampling will be indicated by a "(P)" for purged. Concentrations of VOCs were detected above TOGS standards or guidance values in all sampled monitoring wells. **Table 1** summarizes the results compared to TOGS guidance values and standards:

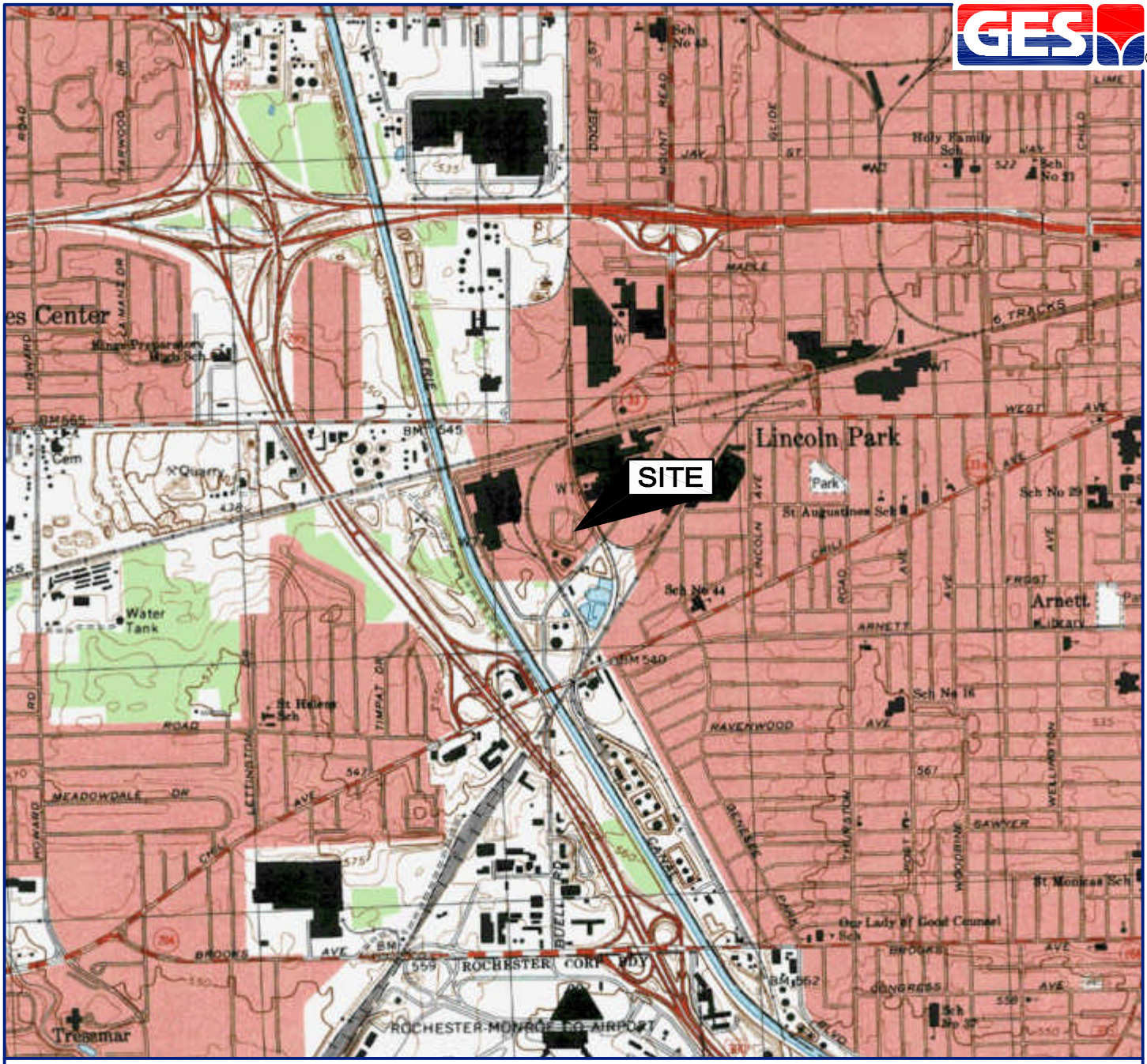
Compounds exceeding TOGS standards and guidance values are shown in **Table 3** in bold. The detected concentrations of chlorinated VOCs (the contaminant of concern in groundwater) including TCE, PCE, cis-1,2-DCE, and vinyl chloride are summarized on **Figure 5**.

6.0 WASTE DISPOSAL

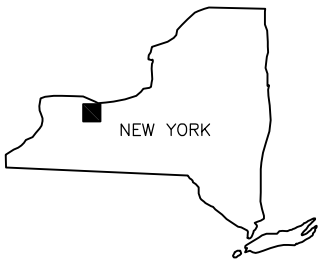
Soil drill cuttings were placed in 55-gallon drums and temporarily staged on-site. The drill cuttings were disposed during the December 2014 remedial excavation of the stormwater retention pond. Disposal manifests will be provided in the excavation summary report under separate cover.

Purge water from well development was also staged in 55-gallon drums on-site. Profile samples were collected in January 2015, for later disposal. On May 12, 2015, the drums (5 in total) were transported by New York Environmental Technologies (NYETech) of Rochester, New York to Cycle Chem, Inc. of Lewisberry, Pennsylvania for disposal as non-hazardous waste. Waste manifests for these drums are provided in **Appendix E**.

FIGURES



SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE 1994
ROCHESTER WEST, NEW YORK
CONTOUR INTERVAL = 5'



QUADRANGLE LOCATION

DRAFTED BY: W.G.S. (N.J.)	SITE LOCATION MAP
CHECKED BY: J.K.C.	NYSDEC 15 CAIRN STREET ROCHESTER, NEW YORK
REVIEWED BY: E.P.	Groundwater & Environmental Services, Inc. 158 SONWIL DRIVE, CHEEKTOWAGA, NEW YORK 14225
NORTH	SCALE IN FEET: 0 — 2000 / DATE: 1-2-15 / FIGURE: 1

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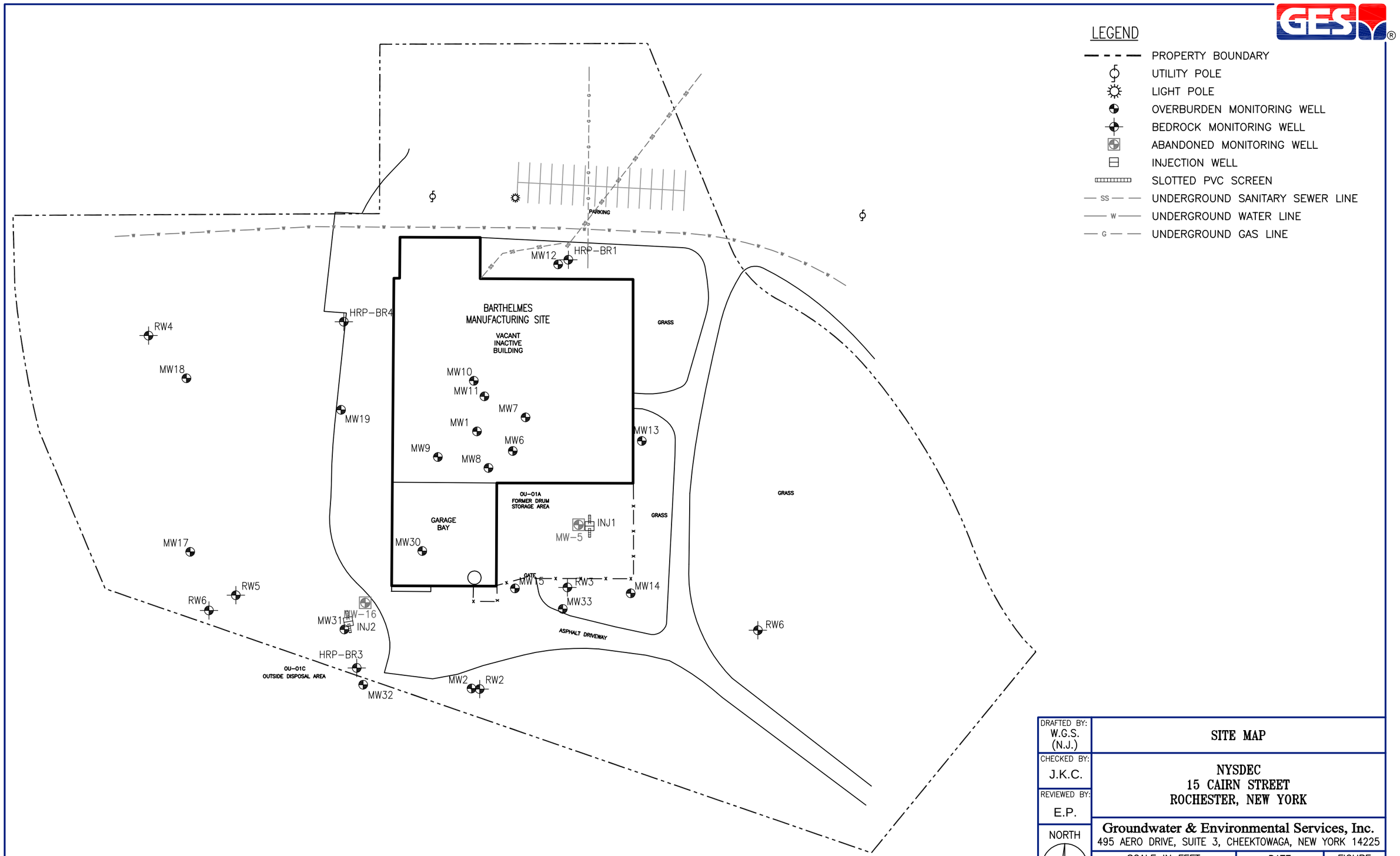

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DRAFTED BY: W.G.S. (N.J.)	SITE MAP
CHECKED BY: J.K.C.	NYSDEC 15 CAIRN STREET ROCHESTER, NEW YORK
REVIEWED BY: E.P.	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225
NORTH	SCALE IN FEET: 0 APPROXIMATE 80 / DATE: 2-10-15 / FIGURE: 2

BARTHELMES
MANUFACTURING SITE

VACANT
INACTIVE
BUILDING

GARAGE
BAY

OU-01A
FORMER DRUM
STORAGE AREA

OU-01C
OUTSIDE DISPOSAL AREA

PARKING

GRASS

GRASS

ASPHALT DRIVEWAY

GATE

MW1
MW2
MW5
MW6
MW7
MW8
MW9
MW10
MW11
MW12
MW13
MW14
MW15
MW16
MW17
MW18
MW19
MW30
MW31
MW32
MW33
RW2
RW3
RW4
RW5
RW6
HRP-BR1
HRP-BR3
HRP-BR4
INJ1
INJ2

MW30
9-11-14
1-4'
141
7,000
25
62,000

MW31
9-11-14
6-8'
0.0
ND<5.9
ND<5.9
1.5J

MW32
9-12-14
16-18'
2.8
3.6J
ND<5.8
18

MW33
9-15-14
4-8'
0.4
ND<5.8
ND<5.8
1.6J

LEGEND

- PROPERTY BOUNDARY
- UTILITY POLE
- LIGHT POLE
- OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- ABANDONED MONITORING WELL
- INJECTION WELL
- SLOTTED PVC SCREEN
- SS — UNDERGROUND SANITARY SEWER LINE
- W — UNDERGROUND WATER LINE
- G — UNDERGROUND GAS LINE

MW30	SAMPLE IDENTIFICATION
9-11-14	SAMPLE DATE
1-4'	SAMPLE DEPTH (feet below grade)
141	PID READING (ppmv)
7,000	CIS-1,2-DCE CONCENTRATION (ug/kg)
25	PCE CONCENTRATION (ug/kg)
62,000	TCE CONCENTRATION (ug/kg)
ug/kg	MICROGRAMS PER KILOGRAM
ppmv	PARTS PER MILLION BY VOLUME
PID	PHOTOIONIZATION DETECTOR
CIS-1,2-DCE	cis-1,2-DICHLOROETHANE
PCE	TETRACHLOROETHYLENE
TCE	TRICHLOROETHYLENE
ND	NOT DETECTED
<#	WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN
J	VALUE BELOW METHOD REPORTING LIMIT BUT ABOVE METHOD DETECTION LIMIT

NOTE:

VALUE SHADED PURPLE DEPICTS CONCENTRATION ABOVE SOIL CLEANUP OBJECTIVES.

NORTH

DRAFTED BY: W.G.S. (N.J.)	SOIL ANALYTICAL DATA MAP SEPTEMBER 11-15, 2014
CHECKED BY: J.K.C.	NYSDEC 15 CAIRN STREET ROCHESTER, NEW YORK
REVIEWED BY: E.P.	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225
SCALE IN FEET: 0 APPROXIMATE 50	DATE: 2-10-15
	FIGURE: 3

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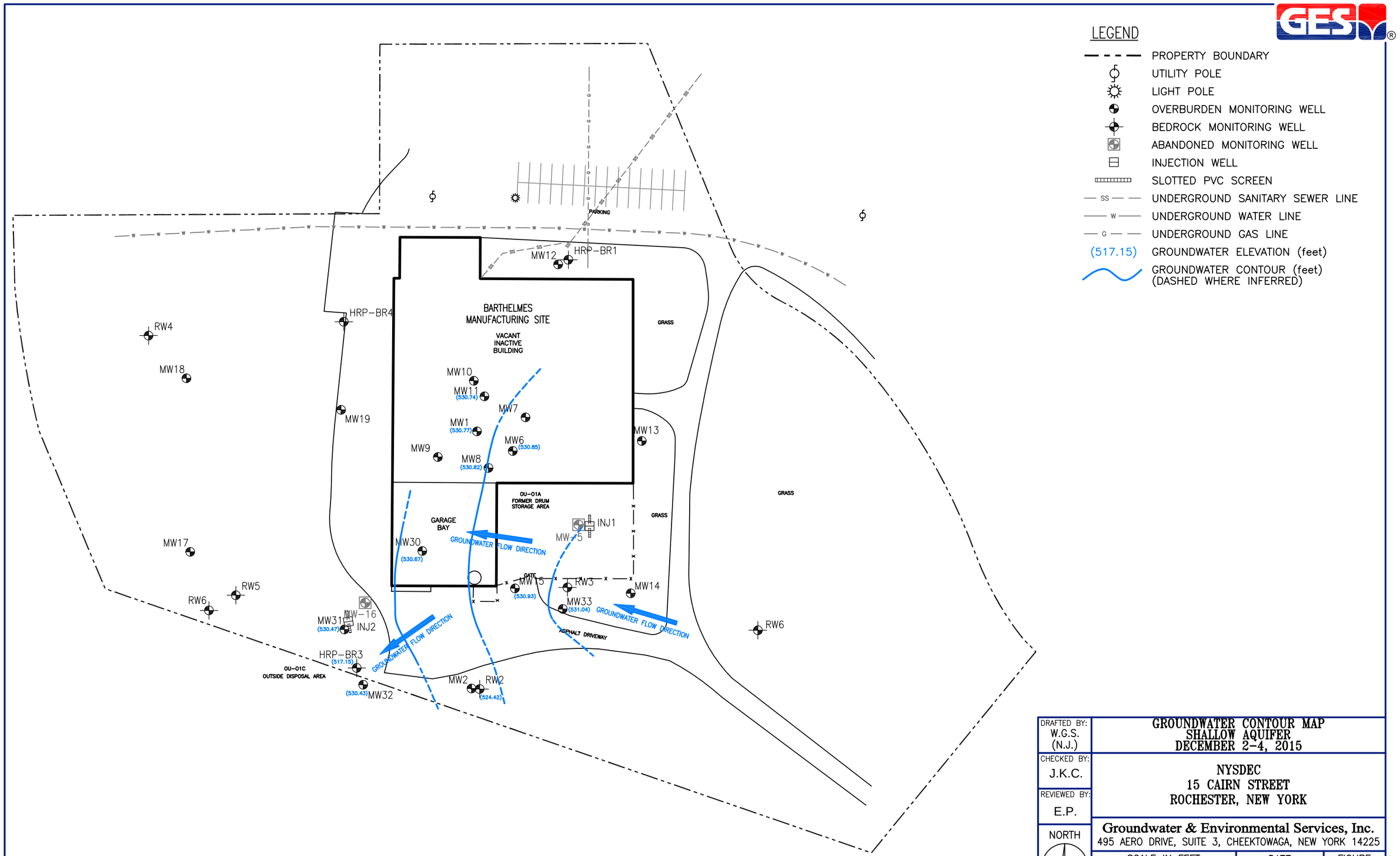

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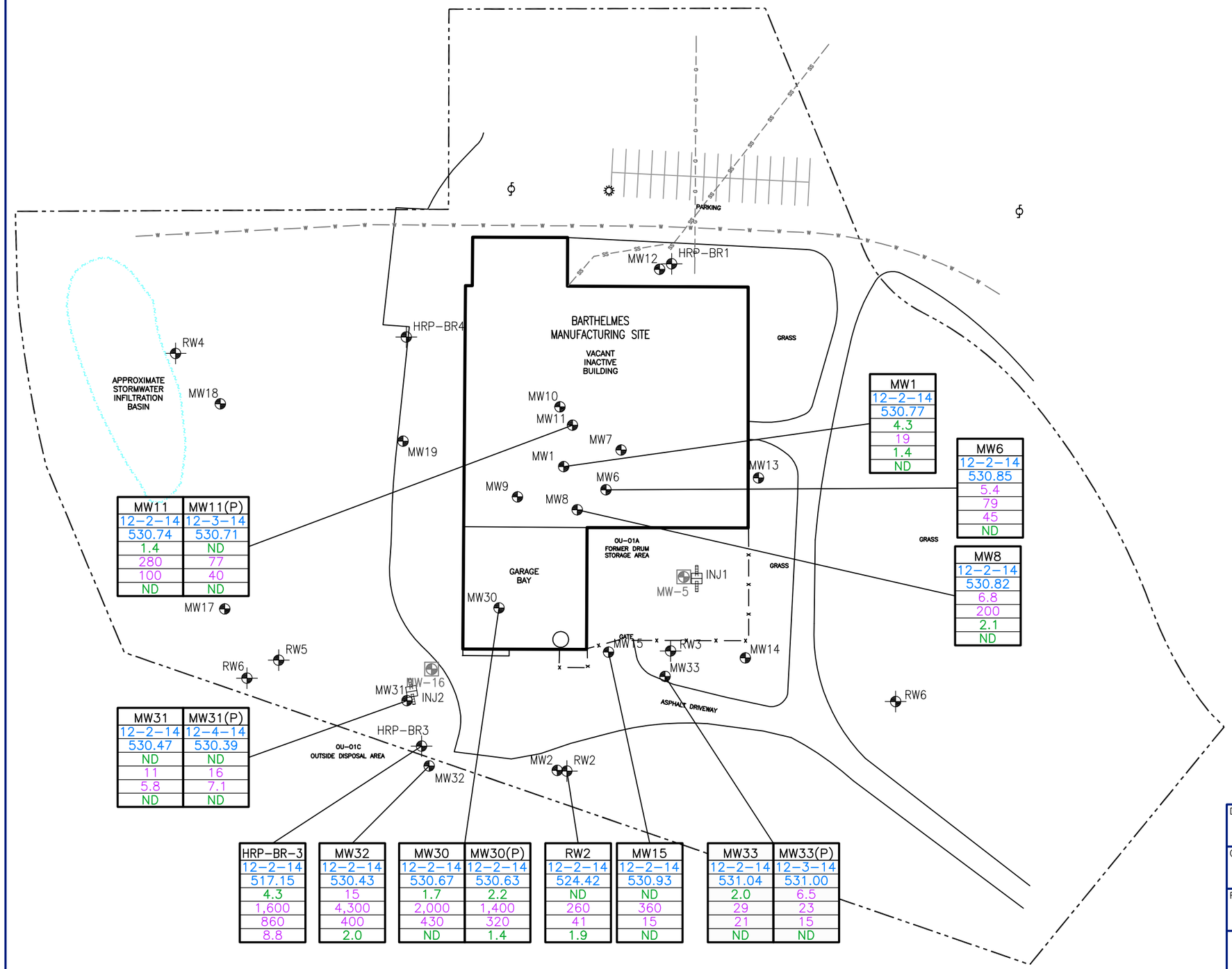
DRAFTED BY: W.G.S. (N.J.)	GROUNDWATER CONTOUR MAP SHALLOW AQUIFER DECEMBER 2-4, 2015
CHECKED BY: J.K.C.	NYSDEC 15 CAIRN STREET ROCHESTER, NEW YORK
REVIEWED BY: E.P.	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225
NORTH	SCALE IN FEET: 0 APPROXIMATE 80 / DATE: 2-10-15 / FIGURE: 4



MW1
12-2-14
530.77
4.3
19
1.4
ND

MW6
12-2-14
530.85
5.4
79
45
ND

MW8
12-2-14
530.82
6.8
200
2.1
ND

MW11	MW11(P)
12-2-14	12-3-14
530.74	530.71
1.4	ND
280	77
100	40
ND	ND

MW31	MW31(P)
12-2-14	12-4-14
530.47	530.39
ND	ND
11	16
5.8	7.1
ND	ND

HRP-BR-3
12-2-14
517.15
4.3
1,600
860
8.8

MW32
12-2-14
530.43
15
4,300
400
2.0

MW30	MW30(P)
12-2-14	12-2-14
530.67	530.63
1.7	2.2
2,000	1,400
430	320
ND	1.4

RW2	MW15
12-2-14	12-2-14
524.42	530.93
ND	ND
260	360
41	15
1.9	ND

MW33	MW33(P)
12-2-14	12-3-14
531.04	531.00
2.0	6.5
29	23
21	15
ND	ND

LEGEND

- PROPERTY BOUNDARY
- UTILITY POLE
- LIGHT POLE
- OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- ABANDONED MONITORING WELL
- INJECTION WELL
- SLOTTED PVC SCREEN
- SS — UNDERGROUND SANITARY SEWER LINE
- W — UNDERGROUND WATER LINE
- G — UNDERGROUND GAS LINE

MW30	WELL IDENTIFICATION
12-2-14	SAMPLE DATE
530.67	GROUNDWATER ELEVATION (feet amsl)
1.7	PCE CONCENTRATION (ug/L)
2,000	TCE CONCENTRATION (ug/L)
430	CIS-1,2-DCE CONCENTRATION (ug/L)
ND	VC CONCENTRATION (ug/L)
ug/L	MICROGRAMS PER LITER
amsl	ABOVE MEAN SEA LEVEL
CIS-1,2-DCE	CIS-1,2-DICHLOROETHENE
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
VC	VINYL CHLORIDE
ND	NOT DETECTED

NOTE:

VALUE SHADED PURPLE DEPICTS CONCENTRATION ABOVE TOGS 1.1.1 STADARDS AND GUIDANCE VALUES.

(P) INDICATES SAMPLES WERE COLLECTED AFTER LOW FLOW PURGING, ALL OTHER SAMPLES WERE COLLECTED VIA PASSIVE DIFFUSION BAGS.

DRAFTED BY: W.G.S. (N.J.)
CHECKED BY: J.K.C.
REVIEWED BY: E.P.

GROUNDWATER ANALYTICAL DATA MAP
DECEMBER 2-4, 2015

NYSDEC
15 CAIRN STREET
ROCHESTER, NEW YORK

Groundwater & Environmental Services, Inc.
495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225

NORTH

SCALE IN FEET: 0 APPROXIMATE 80

DATE: 5-7-15

FIGURE: 5

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TABLES

Table 1 - Sample Matrix and Analysis

Former Barthelmes Manufacturing Site
15 Cairn Street
Rochester, New York
NYSDEC Site #828122

Monitor Well	Diameter (inches)	Step 1 methodology	Analysis	Step 2 methodology	Analysis	BioTrap Sampling (deploy after step 2)
MW-1	1	passive diffusion bag	TCL VOCs 8260			
MW-2	1	passive diffusion bag	TCL VOCs 8260			
MW-6	1	passive diffusion bag	TCL VOCs 8260			
MW-8	1	passive diffusion bag	TCL VOCs 8260			
MW-11	2	passive diffusion bag	TCL VOCs 8260	low flow (bladder pump)	TCL VOCs 8260, MNA Parameters,	x
MW-15	2	passive diffusion bag	TCL VOCs 8260			
MW-30	2	passive diffusion bag	TCL VOCs 8260	low flow (bladder pump)	TCL VOCs 8260, MNA Parameters,	
MW-31	2	passive diffusion bag	TCL VOCs 8260	low flow (bladder pump)	TCL VOCs 8260, MNA Parameters	
MW-32	2	passive diffusion bag	TCL VOCs 8260			
MW-33	2	passive diffusion bag	TCL VOCs 8260	low flow (bladder pump)	TCL VOCs 8260, MNA Parameters	x
RW-2	2	passive diffusion bag	TCL VOCs 8260			
HRP-BR-3	3.75	passive diffusion bag	TCL VOCs 8260			

LAB ANALYSIS

Target compound list (TCL) 8260 (USEPA Method 8260C) VOCs (by TestAmerica Laboratory, Inc.)

Monitored Natural Attenuation (MNA) parameters (by TestAmerica Laboratory, Inc.):
Sulfate
Nitrate
Total/dissolved iron
Dissolved manganese
Total Organic Carbon
Dissolved gasses: methane, ethene, ethane
Total Alkalinity

Bio Traps by Microbial Insights, Inc.

Table 2

Soil Analytical Data
EPA Method 8260C

15 Cairn Street
Rochester, New York
NYSDEC Site #828122

Soil Sample ID	Part 375-6 (6 NYCRR 375-6) Soil Cleanup Objectives (SCOs)	Unit of Measure	MW-30	MW-31	MW-32	MW-33	DUP-1
Date			9/11/2014	9/11/2014	9/12/2014	9/15/2014	9/12/2014
Depth (ft)	Protection of Groundwater		1-4'	6-8'	16-18'	4-8'	NA
PID (ppmv)			141	0.0	2.8	0.4	NA
1,1,1-Trichloroethane	680	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
1,1,2,2-Tetrachloroethane	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
1,1,2-Trichloroethane	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
1,1-Dichloroethane	270	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
1,1-Dichloroethene	330	µg/kg	15	ND<5.9	ND<5.8	ND<5.8	ND<5.9
1,2,4-Trichlorobenzene	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
1,2-Dibromo-3-Chloropropane	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
1,2-Dibromoethane	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
1,2-Dichlorobenzene	1,100	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
1,2-Dichloroethane	20	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
1,2-Dichloropropane	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
1,3-Dichlorobenzene	2,400	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
1,4-Dichlorobenzene	1,800	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
2-Hexanone	NA	µg/kg	ND<27	ND<30	ND<29	ND<29	ND<29
2-Butanone (MEK)	120	µg/kg	ND<27	ND<30	ND<29	ND<29	ND<29
4-Methyl-2-pentanone (MIBK)	NA	µg/kg	ND<27	ND<30	ND<29	ND<29	ND<29
Acetone	50	µg/kg	47	ND<30	ND<29	ND<29	ND<29
Benzene	60	µg/kg	0.77	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Bromodichloromethane	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Bromoform	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Bromomethane	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Carbon disulfide	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Carbon tetrachloride	760	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Chlorobenzene	1,100	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Dibromochloromethane	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Chloroethane	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Chloroform	370	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Chloromethane	NA	µg/kg	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
cis-1,2-Dichloroethene	250	µg/kg	**7,000**	ND<5.9	3.6 J	ND<5.8	ND<5.9

Table 2

Soil Analytical Data
EPA Method 8260C

15 Cairn Street
Rochester, New York
NYSDEC Site #828122

Soil Sample ID	Part 375-6 (6 NYCRR 375-6) Soil Cleanup Objectives (SCOs)	Unit of Measure	MW-30	MW-31	MW-32	MW-33	DUP-1
Date			9/11/2014	9/11/2014	9/12/2014	9/15/2014	9/12/2014
Depth (ft)	**Protection of Groundwater**		1-4'	6-8'	16-18'	4-8'	NA
PID (ppmv)			141	0.0	2.8	0.4	NA
cis-1,3-Dichloropropene	**NA**	*µg/kg*	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Cyclohexane	**NA**	*µg/kg*	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Dichlorodifluoromethane	**NA**	*µg/kg*	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Ethylbenzene	**1,000**	*µg/kg*	2.3 J	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Isopropylbenzene	**NA**	*µg/kg*	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Methyl acetate	**NA**	*µg/kg*	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Methyl tert-butyl ether	**930**	*µg/kg*	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Methylcyclohexane	**NA**	*µg/kg*	0.85	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Methylene Chloride	**50**	*µg/kg*	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Styrene	**NA**	*µg/kg*	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Tetrachloroethene	**1,300**	*µg/kg*	25	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Toluene	**700**	*µg/kg*	24	ND<5.9	ND<5.8	ND<5.8	0.51 J
Trans-1,2-Dichloroethene	**190**	*µg/kg*	140	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Trans-1,3-Dichloropropene	**NA**	*µg/kg*	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Trichloroethene	**470**	*µg/kg*	**62,000**	1.5 J	18	1.6 J	1.3 J
Trichlorofluoromethane	**NA**	*µg/kg*	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Vinyl chloride	**20**	*µg/kg*	ND<5.5	ND<5.9	ND<5.8	ND<5.8	ND<5.9
Xylenes, Total	**1,600**	*µg/kg*	15	ND<12	ND<5.8	ND<5.8	ND<12
Total VOCs	**NA**	*µg/kg*	69,267.62	1.5	21.6	1.6	1.81

Notes:

ND<5.5 = Not detected at or below method reporting limit value.

NA = Not applicable/available

J = Indicates value is below method reporting limit, but above method detection limit.

ft = approximate feet below grade

µg/kg = micrograms per kilogram

ppmv = parts per million by volume

Bold = Concentrations above SCOs.

* Limits reflectTitle 6 New York Codes, Rules and Regulations for the Protection of Groundwater Part 375-6 (6 NYCRR 375-6) SCOs

Table 3
Groundwater Gauging and Analytical Data (December 2-4, 2014)

Former Barthelmes Manufacturing
NYSDEC Site #828122
15 Cairn Street
Rochester, New York

Monitoring Well		TOGS 1.1.1	HRP-BR-3	MW-30	MW-30	MW-33	MW-33	MW-32	MW-8	MW-6	MW-1	RW-2	MW-11	MW-11	MW-15	MW-31	MW-31	PDB BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Type			GW	GW	GW-purged	GW	GW-purged	GW	GW	GW	GW	GW	GW	GW-purged	GW	GW	GW-purged	GW	NA	NA	NA
Sample Date			12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/3/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/3/2014	12/2/2014	12/2/2014	12/4/2014	12/2/2014	12/2/2014	12/3/2014	12/4/2014
Depth to Water (ft below TOC)			22.68	7.34	7.38	12.54	12.58	19.27	7.62	6.76	6.85	20.84	6.62	6.65	11.91	8.73	8.81	NA	NA	NA	NA
TOC Elevation (ft above mean sea level)			540.15	538.01	538.01	543.58	543.58	549.70	538.44	537.61	537.62	545.26	537.36	537.36	542.84	539.20	539.20	NA	NA	NA	NA
Groundwater Elevation (ft above mean sea level)			517.47	530.67	530.63	531.04	531.00	530.43	530.82	530.85	530.77	524.42	530.74	530.71	530.93	530.47	530.39	NA	NA	NA	NA
CAS #	Volatile Organic Compounds via 8260C (µg/L)																				
71-55-6	1,1,1-TRICHLOROETHANE	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.88 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-TETRACHLOROETHANE	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	**5**	2.5	ND	ND	**12**	**13**	ND	2.1	3.4	1.4	**29**	ND	ND	1.2	ND	ND	ND	ND	ND	ND
79-00-5	1,1,2-TRICHLOROETHANE	**1**	ND	0.33 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-DICHLOROETHANE	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	**5**	**6.1**	2.1	2.4	ND	ND	1.1	ND	ND	ND	ND	0.50 J	ND	ND	ND	ND	ND	ND	ND	ND
120-82-1	1,2,4-TRICHLOROBENZENE	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	**0.04**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	**0.0006**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-50-1	1,2-DICHLOROBENZENE	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
107-06-2	1,2-DICHLOROETHANE	**0.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
78-87-5	1,2-DICHLOROPROPANE	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
541-73-1	1,3-DICHLOROBENZENE	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-DICHLOROBENZENE	**3**	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND
591-78-6	2-HEXANONE	**50 (G)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67-64-1	ACETONE	**50 (G)**	**95 J**	**58**	ND	23	ND	**110**	**85**	**69**	**67**	41 J	**72**	ND	**88**	33	ND	28	ND	ND	ND
71-43-2	BENZENE	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-27-4	BROMODICHLOROMETHANE	**50 (G)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-25-2	BROMOFORM	**50 (G)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
74-83-9	BROMOMETHANE	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-15-0	CARBON DISULFIDE	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
56-23-5	CARBON TETRACHLORIDE	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-90-7	CHLOROBENZENE	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-00-3	CHLOROETHANE	**5**	ND	ND	ND	ND	ND	ND	ND	0.51 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67-66-3	CHLOROFORM	**7**	ND	0.76 J	0.43 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
74-87-3	CHLOROMETHANE (METHYL CHLORIDE)	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
156-59-2	CIS-1,2-DICHLOROETHENE	**5**	**860 E**	**430 E**	**320 E**	**21 E**	**15 E**	**400 E**	2.1 E	**45 E**	1.4 E	**41 E**	**100 E**	**40 E**	**15 E**	**5.8 E**	**7.1**	ND	ND	ND	ND
10061-01-5	CIS-1,3-DICHLOROPROPENE	**0.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
110-82-7	CYCLOHEXANE	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
124-48-1	DIBROMOCHLOROMETHANE	**50 (G)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-71-8	DICHLORODIFLUOROMETHANE	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100-41-4	ETHYLBENZENE	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
79-20-9	METHYL ACETATE	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	**50 (G)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-87-2	METHYLCYCLOHEXANE	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-09-2	METHYLENE CHLORIDE	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100-42-5	STYRENE	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1634-04-4	TERT-BUTYL METHYL ETHER	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
127-18-4	TETRACHLOROETHENE(PCE)	**5**	4.3	1.7	2.2	2.0	**6.5**	**15**	**6.8**	**5.4**	4.3	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
108-88-3	TOLUENE	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
156-60-5	TRANS-1,2-DICHLOROETHENE	**5**	3.0	2.8	**5.9**	ND	ND	2.8	ND	ND	ND	1.3	0.90 J	ND	ND	ND	ND	ND	ND	ND	ND
10061-02-6	TRANS-1,3-DICHLOROPROPENE	**0.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
79-01-6	TRICHLOROETHENE (TCE)	**5**	**1,600**	**2,000**	**1,400**	**29**	**23**	**4,300**	**200**	**79**	**19**	**260**	**280**	**77**	**360**	**11**	**16**	ND	ND	ND	ND
75-69-4	TRICHLOROFLUOROMETHANE	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-01-4	VINYL CHLORIDE	**2**	**8.8**	ND	1.4	ND	ND	2.0	ND	**78 ^**	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
1330-20-7	XYLENES, TOTAL	**15**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs (µg/L)			2,581.0	2,495.69	1,732.33	87.0	57.5	4,830.9	296	280.31	93.1	375.08	456.1	117	464.2	49.8	23.1	28	ND	ND	ND

Notes:
ND = not detected at or above laboratory detection limits
GW = groundwater sample via passive diffusion bag
µg/L = micrograms per liter
J = Result is less than the reporting limit, but greater than or equal to method detection limit.
NA = Not applicable/analyzed
CAS = Chemical Abstracts Services
TOGS 1.1.1 = NYSDEC Ambient water quality standards and guidance values for Clas GA, type H (WS) for protection of drinking water
NS=Not Specified by TOGS 1.1.1
E = qualified as estimated based on the DUSR.
G = Guidance value for TOGS 1.1.1

Table 3
Groundwater Gauging and Analytical Data (December 2-4, 2014)

Former Barthelmes Manufacturing
NYSDEC Site #828122
15 Cairn Street
Rochester, New York

Monitoring Well		TOGS 1.1.1	MW-30	MW-33	MW-11	MW-31
Sample Type			GW-purged	GW-purged	GW-purged	GW-purged
Sample Date			12/2/2014	12/3/2014	12/3/2014	12/4/2014
Depth to Water (ft below TOC)			7.38	12.58	6.65	8.81
TOC Elevation (ft above mean sea level)			538.01	543.58	537.36	539.20
Groundwater Elevation (ft above mean sea level)			530.63	531.00	530.71	530.39
CAS #	**Dissolved Gases (GC) via RSK-175 (µg/L)**					
	METHANE	**NS**	ND	2.7 J	ND	ND
	ETHANE	**NS**	ND	ND	ND	ND
	ETHENE	**NS**	ND	ND	ND	ND
CAS #	**Metals (ICP) via 6010C (mg/L)**					
	IRON	**0.300**	0.12	0.14	**0.7 E**	0.10
	IRON, DISSOLVED	**0.300**	ND	ND	ND	ND
	MANGANESE, DISSOLVED	**0.300**	**0.48 E**	**0.39 E**	**0.36 E**	0.13 ^
CAS #	**General Chemistry (mg/L)**					
	NITRATE	**100**	2.7	0.57	10.7	ND
	SULFATE	**250**	NA	45.3	51.3	15.4
	TOTAL ORGANIC CARBON	**NS**	ND	ND	5.2	3.0
	TOTAL ALKALINITY	**NS**	399	347	502	299

Notes:
ND = not detected at or above laboratory detection limits
GW-purged = groundwater sample via low flow pump
µg/L = micrograms per liter
mg/L = milligrams per liter
J = Result is less than the reporting limit, but greater than or equal to method detection limit.
^ = Instrument related QC exeeds the control limits
NA = Not applicable/analyzed
E = qualified as estimated based on the DUSR.
CAS = Chemical Abstracts Services
TOGS 1.1.1 = NYSDEC Ambient water quality standards and guidance values for Clas GA, type H (WS) for protection of drinking water
= standard is for non-dissolved compound
NS=Not Specified by TOGS 1.1.1

APPENDIX A

SOIL BORING LOGS/MONITORING WELL CONSTRUCTION INFORMATION

Monitoring Well Log

ID NO.: **MW-30**

Groundwater & Environmental Services, Inc.

PROJECT:	**NYSDEC Barthelmes Manufacturing**	SURFACE ELEV.:	**538.01 ft amsl**	TOTAL DEPTH:	**20 ftbg**
ADDRESS:	**15 Cairn Street, Rochester, New York**	WATER DEPTH:	**6.61 ft BTOC**	CASING ELEV.:	**NA**
JOB NO.:	**0901589**	BOREHOLE DIAM.:	**8 in**	WELL DIAM.:	**2 in**

Logged By:	**Eric Popken**	Drilling Method:	**4 1/4" HSA**
Dates Drilled:	**09/11/14**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620DT**	Field Screening:	**PID 10.6 eV**

Depth (feet)	Field Screen	Sample/GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS	COMPLETION DETAILS
0–1			100%	Concrete with mesh.		8 in Well Box
1–3	141			SP: Brown-gray, fine to coarse gravel and fine to coarse sand, trace to little silt, possible fill, dry.	Slight odor	
3–4	22.8			ML: Red-brown, silt, trace clay, little to some fine to medium sand, dry to moist.		Bentonite Grout; PVC Casing
4–6	9.0		100%	SP: Red-brown, fine sand, trace to little silt, moist.		
6–8	7.1	▼				
8–9	2.2		~25%	Unknown.	Macro-core swelling in casing - recovery indeterminent	
9–12						Sand Pack; Screen
12–16	0.5		100%	SP: Brown, fine to medium sand, trace silt, moist to wet.		
14–16	2.0					
16–18	4.0		90%	SP: Brown, fine to medium sand, trace silt, moist to wet.		
18–20	2.3			Till: Brown, glacial till.		End Plug

Location:
Northing/Latitude: **Inaccessible**
Easting/Longitude: **Inaccessible**
Horizontal Datum: **NA**
Vertical Datum: **laser level**

General Comments:

Symbol Key:
Apparent Water Level ▼
Soil Sample Location ⊠

Monitoring Well Log

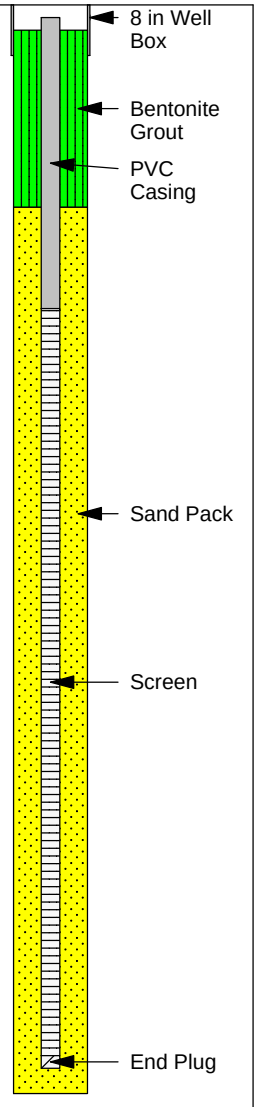
ID NO.: **MW-31**

Groundwater & Environmental Services, Inc.

PROJECT:	**NYSDEC Barthelmes Manufacturing**	SURFACE ELEV.:	**539.20 ft amsl**	TOTAL DEPTH:	**21 ftbg**
ADDRESS:	**15 Cairn Street, Rochester, New York**	WATER DEPTH:	**8.4 ftbg**	CASING ELEV.:	**NA**
JOB NO.:	**0901589**	BOREHOLE DIAM.:	**8 in**	WELL DIAM.:	**2 in**

Logged By:	**Eric Popken**	Drilling Method:	**4 1/4" HSA**
Dates Drilled:	**09/11-12/14**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620DT**	Field Screening:	**PID 10.6 and 11.7 eV**

Depth (feet)	Field Screen	Sample/GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS
0–4	0.0/0.0		100%	SP: Brown, fine sand, trace silt, dry.	PID Readings 10.6/11.7 eV lamp
4–8	0.0/0.0		100%	SP: Brown, fine sand, trace silt, moist.	More compact
8–12	0.0/0.0		100%	SP: Brown, fine sand, trace silt, moist.	Compact
12–16	0.0/0.0		100%	SP: Brown, fine sand, trace silt, moist to wet.	Compact
16–21	0.0/0.0		100%	SP: Brown, fine sand, trace silt, moist to wet.	Compact
21–22				SP: Brown, fine to medium sand, wet.	
22–23	0.0/0.0			Till: Glacial Till, moist.	



Location:
Northing/Latitude: **43.145724°**
Easting/Longitude: **77.665720°**
Horizontal Datum: **WGS 1984**
Vertical Datum: **laser level**

General Comments:

Symbol Key:
Apparent Water Level
Soil Sample Location

Monitoring Well Log

ID NO.: **MW-32**

Groundwater & Environmental Services, Inc.

PROJECT:	**NYSDEC Barthelmes Manufacturing**	SURFACE ELEV.:	**549.70 ft amsl**	TOTAL DEPTH:	**24 ftbg**
ADDRESS:	**15 Cairn Street, Rochester, New York**	WATER DEPTH:	**17.63 ft BTOC**	CASING ELEV.:	**NA**
JOB NO.:	**0901589**	BOREHOLE DIAM.:	**8 in**	WELL DIAM.:	**2 in**

Logged By:	**Eric Popken**	Drilling Method:	**4 1/4" HSA**
Dates Drilled:	**09/12/14**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620DT**	Field Screening:	**PID 11.7 eV**

Depth (feet)	Field Screen	Sample/GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS	COMPLETION DETAILS
0–1	0.0		87.5%	Fill: Brown, reworked fine to coarse sand, silt, trance gravel, dry.		6 in Procasing
1–2						Cuttings
2–3						
3–4	0.0		100%	Fill: Brown, reworked fine to coarse sand, silt, trance gravel, dry.		PVC Casing
4–5						
5–6	0.0			CL: Reddish-brown, silty clay, trace fine sand partings, dry.		Bentonite Grout
6–7						
7–8	0.0		75%	SP: Brown, fine sand, trace silt, dry.		
8–9						
9–10	0.0					Sand Pack
10–11						
11–12				SP: Brown, fine sand, trace silt, moist.		
12–13	0.0		87.5%	SM: Brown, fine silty sand, moist to wet.		
13–14						
14–15	0.0			SM: Brown, fine silty sand, wet.		
15–16				SM: Brown, fine to medium sand, wet.		
16–17	2.8		87.5%	SP: Brown, fine to medium sand, uniform throughout, wet to saturated.		Screen
17–18						
18–19	0.1					
19–20						
20–21	0.0		100%	SP: Brown, fine to medium sand, uniform throughout, wet to saturated.		
21–22						
22–23						
23–24				Till: Glacial Till at 24 ft bg		End Plug

Location:

Northing/Latitude: **43.145555°**

Easting/Longitude: **77.665694°**

Horizontal Datum: **WGS 1984**

Vertical Datum: **laser level**

General Comments:

Symbol Key:

Apparent Water Level

Soil Sample Location

Monitoring Well Log

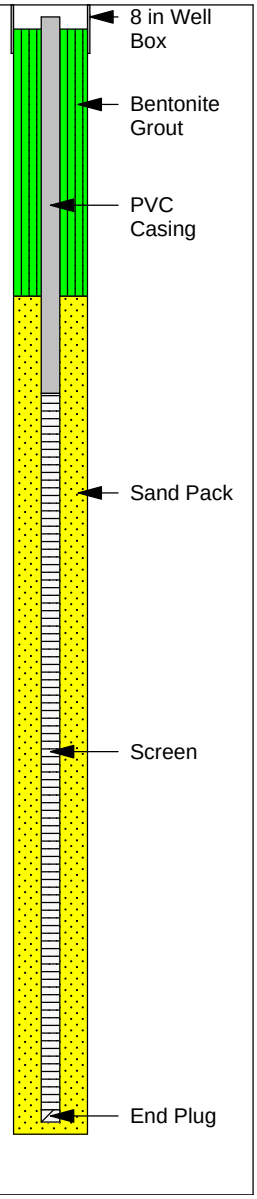
ID NO.: **MW-33**

Groundwater & Environmental Services, Inc.

PROJECT:	**NYSDEC Barthelmes Manufacturing**	SURFACE ELEV.:	**543.58 ft amsl**	TOTAL DEPTH:	**23 ftbg**
ADDRESS:	**15 Cairn Street, Rochester, New York**	WATER DEPTH:	**12 ftbg**	CASING ELEV.:	**NA**
JOB NO.:	**0901589**	BOREHOLE DIAM.:	**8 in**	WELL DIAM.:	**2 in**

Logged By:	**Eric Popken**	Drilling Method:	**4 1/4" HSA**
Dates Drilled:	**09/15/14**	Sampling Method:	**Macro-core**
Drilling Company:	**TREC Environmental, Inc.**	Soil Class. System:	**Modified Burmister**
Drill Rig Type:	**Geoprobe 6620DT**	Field Screening:	**PID 11.7 eV**

Depth (feet)	Field Screen	Sample/GW Depths	Recovery	SAMPLE LITHOLOGY	COMMENTS
0	0.0		62.5%	Asphalt: Asphalt and sub-base	
1				Fill: Tan, fine silty sand and clay, reworked, little gravel, dry.	
2					
3					PID probe met resistance at 3 ft bg, bottom of macro-core.
4	0.4		62.5%	SP: Tan-brown, fine sand, trace silt, moist to wet.	
5					
6					
7					
8	0.0		100%	SP: Tan-brown, fine to medium sand, moist.	
9					
10	0.0				
11					
12	0.0		75%	SP: Brown, fine to medium sand, trace silt, wet to saturated.	Compact
13					
14	0.0				
15					
16	0.0		75%	SP: Brown, fine to medium sand, trace silt, saturated.	Compact
17					
18					
19	0.0			SM: Brown, silty fine sand, wet.	Very compact
20	0.0		75%	SP: fine to medium sand, saturated.	
21					
22					
23	0.0			Till: Glacial Till, moist.	
24					



Location:
Northing/Latitude: **77.664956°**
Easting/Longitude: **43.145715°**
Horizontal Datum: **WGS 1984**
Vertical Datum: **laser level**

General Comments:

Symbol Key:
Apparent Water Level
Soil Sample Location

APPENDIX B

LABORATORY ANALYTICAL REPORTS AND DATA USABILITY SUMMARY REPORTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

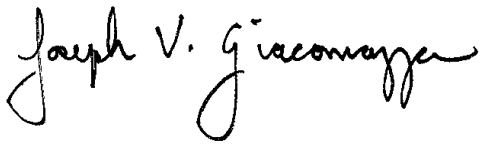
ANALYTICAL REPORT

Job Number: 480-67484-1

Job Description: NYSDEC - Barthelmes Mfg: Site# 828122

For:
New York State D.E.C.
6274 E. Avon-Lima Rd.
Avon, NY 14414

Attention: Josh Haugh



Approved for release.
Joe V Giacomazza
Project Management Assistant II
10/3/2014 12:53 PM

Designee for
Brian J Fischer, Manager of Project Management
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
10/03/2014

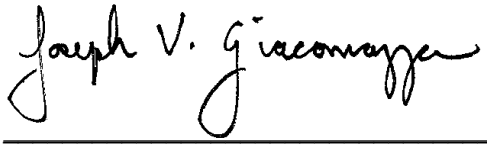
cc: Eric Popken

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

Job Number: 480-67484-1

Job Description: NYSDEC - Barthelmes Mfg: Site# 828122

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
10/3/2014 12:53 PM

Designee for
Brian J Fischer

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Table of Contents

Job Narrative
480-67484-1

Receipt
The samples were received on 9/17/2014 1:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

GC/MS VOA
Method(s) 8260C: Reported analyte concentrations in the following sample(s) are below 200ug/kg and may be biased low due to the sample(s) not being collected according to 5035-L/5035A-L low-level specifications: DUP-1 (480-67484-5), DUP-2 (480-67484-6), MW-30 (1-4') (480-67484-1), MW-32 (16-18') (480-67484-3), MW-33 (4-8') (480-67484-4), MW-33 (4-8') (480-67484-4 MS), MW-33 (4-8') (480-67484-4 MSD).

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: MW-31 (6-8') (480-67484-2).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 203192 recovered above the upper control limit for Carbon tetrachloride and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-203192/4).

Method(s) 8260C: The following sample(s) was analyzed and diluted using medium level soil technique to bring the concentration of target analytes within the calibration range: MW-30 (1-4') (480-67484-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The method blank for prep batch 203894 contained Vinyl Chloride and Chloromethane above the method detection limits. These target analytes concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260C: The method blank for preparation batch 203894 contained Dichlorodifluoromethane and Bromomethane above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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: 480-67484-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-67484-1	MW-30 (1-4')	Solid	09/11/2014 1100	09/17/2014 1355
480-67484-2	MW-31 (6-8')	Solid	09/11/2014 1600	09/17/2014 1355
480-67484-3	MW-32 (16-18')	Solid	09/12/2014 1200	09/17/2014 1355
480-67484-4	MW-33 (4-8')	Solid	09/15/2014 1000	09/17/2014 1355
480-67484-4MS	MW-33 (4-8')	Solid	09/15/2014 1000	09/17/2014 1355
480-67484-4MSD	MW-33 (4-8')	Solid	09/15/2014 1000	09/17/2014 1355
480-67484-5	DUP-1	Solid	09/12/2014 1205	09/17/2014 1355

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 480-67484-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-67484-1	**MW-30 (1-4')**					
1,1-Dichloroethene		15		5.5	ug/Kg	8260C
Acetone		47		27	ug/Kg	8260C
Benzene		0.77	J	5.5	ug/Kg	8260C
cis-1,2-Dichloroethene		1500	E	5.5	ug/Kg	8260C
cis-1,2-Dichloroethene		7000		2200	ug/Kg	8260C
Ethylbenzene		2.3	J	5.5	ug/Kg	8260C
Methylcyclohexane		0.85	J	5.5	ug/Kg	8260C
Tetrachloroethene		25		5.5	ug/Kg	8260C
Toluene		24		5.5	ug/Kg	8260C
trans-1,2-Dichloroethene		140		5.5	ug/Kg	8260C
trans-1,2-Dichloroethene		520	J	2200	ug/Kg	8260C
Trichloroethene		3600	E	5.5	ug/Kg	8260C
Trichloroethene		62000		2200	ug/Kg	8260C
Xylenes, Total		15		11	ug/Kg	8260C
Percent Moisture		8.2		0.10	%	Moisture
Percent Solids		91.8		0.10	%	Moisture
480-67484-2	**MW-31 (6-8')**					
Trichloroethene		1.5	J	5.9	ug/Kg	8260C
Percent Moisture		15.7		0.10	%	Moisture
Percent Solids		84.3		0.10	%	Moisture
480-67484-3	**MW-32 (16-18')**					
cis-1,2-Dichloroethene		3.6	J	5.8	ug/Kg	8260C
Trichloroethene		18		5.8	ug/Kg	8260C
Percent Moisture		14.7		0.10	%	Moisture
Percent Solids		85.3		0.10	%	Moisture
480-67484-4	**MW-33 (4-8')**					
Trichloroethene		1.6	J	5.8	ug/Kg	8260C
Percent Moisture		16.1		0.10	%	Moisture
Percent Solids		83.9		0.10	%	Moisture
480-67484-5	**DUP-1**					
Toluene		0.51	J	5.9	ug/Kg	8260C
Trichloroethene		1.3	J	5.9	ug/Kg	8260C
Percent Moisture		15.6		0.10	%	Moisture
Percent Solids		84.4		0.10	%	Moisture

METHOD SUMMARY

Client: New York State D.E.C. Job Number: 480-67484-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Closed System Purge and Trap	TAL BUF		SW846 5035
Percent Moisture	TAL BUF	EPA Moisture	

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

EPA = US Environmental Protection Agency

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: 480-67484-1

Method	Analyst	Analyst ID
SW846 8260C	Nguyen-Dudziak, Nhu Quynh	NQN
SW846 8260C	Sobol, Renee A	RAS
EPA Moisture	Cwiklinski, Charles D	CDC

Client: New York State D.E.C. Job Number: 480-67484-1

Client Sample ID: **MW-30 (1-4')**

Lab Sample ID: 480-67484-1 Date Sampled: 09/11/2014 1100
Client Matrix: Solid % Moisture: 8.2 Date Received: 09/17/2014 1355

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-202965	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-202969	Lab File ID:	F2196.D
Dilution:	1.0			Initial Weight/Volume:	4.99 g
Analysis Date:	09/18/2014 0535			Final Weight/Volume:	5 mL
Prep Date:	09/17/2014 2208				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.40	5.5
1,1,2,2-Tetrachloroethane		ND		0.88	5.5
1,1,2-Trichloroethane		ND		0.71	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.5
1,1-Dichloroethane		ND		0.67	5.5
1,1-Dichloroethene		15		0.67	5.5
1,2,4-Trichlorobenzene		ND		0.33	5.5
1,2-Dibromo-3-Chloropropane		ND		2.7	5.5
1,2-Dibromoethane		ND		0.70	5.5
1,2-Dichlorobenzene		ND		0.43	5.5
1,2-Dichloroethane		ND		0.27	5.5
1,2-Dichloropropane		ND		2.7	5.5
1,3-Dichlorobenzene		ND		0.28	5.5
1,4-Dichlorobenzene		ND		0.76	5.5
2-Hexanone		ND		2.7	27
2-Butanone (MEK)		ND		2.0	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		47		4.6	27
Benzene		0.77	J	0.27	5.5
Bromodichloromethane		ND		0.73	5.5
Bromoform		ND		2.7	5.5
Bromomethane		ND		0.49	5.5
Carbon disulfide		ND		2.7	5.5
Carbon tetrachloride		ND		0.53	5.5
Chlorobenzene		ND		0.72	5.5
Dibromochloromethane		ND		0.70	5.5
Chloroethane		ND		1.2	5.5
Chloroform		ND		0.34	5.5
Chloromethane		ND		0.33	5.5
cis-1,2-Dichloroethene		1500	E	0.70	5.5
cis-1,3-Dichloropropene		ND		0.79	5.5
Cyclohexane		ND		0.76	5.5
Dichlorodifluoromethane		ND		0.45	5.5
Ethylbenzene		2.3	J	0.38	5.5
Isopropylbenzene		ND		0.82	5.5
Methyl acetate		ND		3.3	5.5
Methyl tert-butyl ether		ND		0.54	5.5
Methylcyclohexane		0.85	J	0.83	5.5
Methylene Chloride		ND		2.5	5.5
Styrene		ND		0.27	5.5
Tetrachloroethene		25		0.73	5.5
Toluene		24		0.41	5.5
trans-1,2-Dichloroethene		140		0.56	5.5
trans-1,3-Dichloropropene		ND		2.4	5.5
Trichloroethene		3600	E	1.2	5.5
Trichlorofluoromethane		ND		0.52	5.5

Client: New York State D.E.C. Job Number: 480-67484-1

Client Sample ID: **MW-30 (1-4')**

Lab Sample ID: 480-67484-1 Date Sampled: 09/11/2014 1100
Client Matrix: Solid % Moisture: 8.2 Date Received: 09/17/2014 1355

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-202965	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-202969	Lab File ID:	F2196.D
Dilution:	1.0			Initial Weight/Volume:	4.99 g
Analysis Date:	09/18/2014 0535			Final Weight/Volume:	5 mL
Prep Date:	09/17/2014 2208				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.67	5.5
Xylenes, Total		15		0.92	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		64 - 126
Toluene-d8 (Surr)	98		71 - 125
4-Bromofluorobenzene (Surr)	108		72 - 126

Client: New York State D.E.C. Job Number: 480-67484-1

Client Sample ID: **MW-30 (1-4')**

Lab Sample ID: 480-67484-1 Date Sampled: 09/11/2014 1100
Client Matrix: Solid % Moisture: 8.2 Date Received: 09/17/2014 1355

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-204342	Instrument ID:	HP5973G
Prep Method:	5035	Prep Batch:	480-203894	Lab File ID:	G34300.D
Dilution:	20			Initial Weight/Volume:	5.25 g
Analysis Date:	09/25/2014 1623	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	09/23/2014 1239				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		600	2200
1,1,2,2-Tetrachloroethane		ND		350	2200
1,1,2-Trichloroethane		ND		450	2200
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1100	2200
1,1-Dichloroethane		ND		670	2200
1,1-Dichloroethene		ND		750	2200
1,2,4-Trichlorobenzene		ND		820	2200
1,2-Dibromo-3-Chloropropane		ND		1100	2200
1,2-Dibromoethane		ND		380	2200
1,2-Dichlorobenzene		ND		550	2200
1,2-Dichloroethane		ND		880	2200
1,2-Dichloropropane		ND		350	2200
1,3-Dichlorobenzene		ND		580	2200
1,4-Dichlorobenzene		ND		300	2200
2-Hexanone		ND		4400	11000
2-Butanone (MEK)		ND		6400	11000
4-Methyl-2-pentanone (MIBK)		ND		690	11000
Acetone		ND		8900	11000
Benzene		ND		410	2200
Bromodichloromethane		ND		430	2200
Bromoform		ND		1100	2200
Bromomethane		ND		480	2200
Carbon disulfide		ND		980	2200
Carbon tetrachloride		ND		550	2200
Chlorobenzene		ND		290	2200
Dibromochloromethane		ND		1000	2200
Chloroethane		ND		450	2200
Chloroform		ND		1500	2200
Chloromethane		ND		510	2200
cis-1,2-Dichloroethene		7000		600	2200
cis-1,3-Dichloropropene		ND		520	2200
Cyclohexane		ND		480	2200
Dichlorodifluoromethane		ND		940	2200
Ethylbenzene		ND		630	2200
Isopropylbenzene		ND		320	2200
Methyl acetate		ND		1000	2200
Methyl tert-butyl ether		ND		820	2200
Methylcyclohexane		ND		1000	2200
Methylene Chloride		ND		430	2200
Styrene		ND		520	2200
Tetrachloroethene		ND		290	2200
Toluene		ND		580	2200
trans-1,2-Dichloroethene		520	J	510	2200
trans-1,3-Dichloropropene		ND		210	2200
Trichloroethene		62000		600	2200
Trichlorofluoromethane		ND		1000	2200

Client: New York State D.E.C. Job Number: 480-67484-1

Client Sample ID: **MW-30 (1-4')**

Lab Sample ID: 480-67484-1 Date Sampled: 09/11/2014 1100
Client Matrix: Solid % Moisture: 8.2 Date Received: 09/17/2014 1355

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-204342	Instrument ID:	HP5973G
Prep Method:	5035	Prep Batch:	480-203894	Lab File ID:	G34300.D
Dilution:	20			Initial Weight/Volume:	5.25 g
Analysis Date:	09/25/2014 1623	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	09/23/2014 1239				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		720	2200
Xylenes, Total		ND		360	4300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		53 - 146
Toluene-d8 (Surr)	96		50 - 149
4-Bromofluorobenzene (Surr)	98		49 - 148

Client: New York State D.E.C. Job Number: 480-67484-1

Client Sample ID: **MW-31 (6-8')**

Lab Sample ID: 480-67484-2 Date Sampled: 09/11/2014 1600
Client Matrix: Solid % Moisture: 15.7 Date Received: 09/17/2014 1355

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-203192	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-203221	Lab File ID:	F2215.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	09/19/2014 0209			Final Weight/Volume:	5 mL
Prep Date:	09/18/2014 2357				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.43	5.9
1,1,2,2-Tetrachloroethane		ND		0.96	5.9
1,1,2-Trichloroethane		ND		0.77	5.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.9
1,1-Dichloroethane		ND		0.72	5.9
1,1-Dichloroethene		ND		0.72	5.9
1,2,4-Trichlorobenzene		ND		0.36	5.9
1,2-Dibromo-3-Chloropropane		ND		3.0	5.9
1,2-Dibromoethane		ND		0.76	5.9
1,2-Dichlorobenzene		ND		0.46	5.9
1,2-Dichloroethane		ND		0.30	5.9
1,2-Dichloropropane		ND		3.0	5.9
1,3-Dichlorobenzene		ND		0.30	5.9
1,4-Dichlorobenzene		ND		0.83	5.9
2-Hexanone		ND		3.0	30
2-Butanone (MEK)		ND		2.2	30
4-Methyl-2-pentanone (MIBK)		ND		1.9	30
Acetone		ND		5.0	30
Benzene		ND		0.29	5.9
Bromodichloromethane		ND		0.79	5.9
Bromoform		ND		3.0	5.9
Bromomethane		ND		0.53	5.9
Carbon disulfide		ND		3.0	5.9
Carbon tetrachloride		ND		0.57	5.9
Chlorobenzene		ND		0.78	5.9
Dibromochloromethane		ND		0.76	5.9
Chloroethane		ND		1.3	5.9
Chloroform		ND		0.37	5.9
Chloromethane		ND		0.36	5.9
cis-1,2-Dichloroethene		ND		0.76	5.9
cis-1,3-Dichloropropene		ND		0.85	5.9
Cyclohexane		ND		0.83	5.9
Dichlorodifluoromethane		ND		0.49	5.9
Ethylbenzene		ND		0.41	5.9
Isopropylbenzene		ND		0.89	5.9
Methyl acetate		ND		3.6	5.9
Methyl tert-butyl ether		ND		0.58	5.9
Methylcyclohexane		ND		0.90	5.9
Methylene Chloride		ND		2.7	5.9
Styrene		ND		0.30	5.9
Tetrachloroethene		ND		0.79	5.9
Toluene		ND		0.45	5.9
trans-1,2-Dichloroethene		ND		0.61	5.9
trans-1,3-Dichloropropene		ND		2.6	5.9
Trichloroethene		1.5	J	1.3	5.9
Trichlorofluoromethane		ND		0.56	5.9

Client: New York State D.E.C. Job Number: 480-67484-1

Client Sample ID: **MW-31 (6-8')**

Lab Sample ID: 480-67484-2 Date Sampled: 09/11/2014 1600
Client Matrix: Solid % Moisture: 15.7 Date Received: 09/17/2014 1355

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-203192	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-203221	Lab File ID:	F2215.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	09/19/2014 0209			Final Weight/Volume:	5 mL
Prep Date:	09/18/2014 2357				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.72	5.9
Xylenes, Total		ND		0.99	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		64 - 126
Toluene-d8 (Surr)	98		71 - 125
4-Bromofluorobenzene (Surr)	112		72 - 126

Client: New York State D.E.C. Job Number: 480-67484-1

Client Sample ID: **MW-32 (16-18')**

Lab Sample ID: 480-67484-3 Date Sampled: 09/12/2014 1200
Client Matrix: Solid % Moisture: 14.7 Date Received: 09/17/2014 1355

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-202965	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-202969	Lab File ID:	F2198.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	09/18/2014 0626			Final Weight/Volume:	5 mL
Prep Date:	09/17/2014 2208				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.42	5.8
1,1,2,2-Tetrachloroethane		ND		0.95	5.8
1,1,2-Trichloroethane		ND		0.76	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.8
1,1-Dichloroethane		ND		0.71	5.8
1,1-Dichloroethene		ND		0.71	5.8
1,2,4-Trichlorobenzene		ND		0.35	5.8
1,2-Dibromo-3-Chloropropane		ND		2.9	5.8
1,2-Dibromoethane		ND		0.75	5.8
1,2-Dichlorobenzene		ND		0.46	5.8
1,2-Dichloroethane		ND		0.29	5.8
1,2-Dichloropropane		ND		2.9	5.8
1,3-Dichlorobenzene		ND		0.30	5.8
1,4-Dichlorobenzene		ND		0.82	5.8
2-Hexanone		ND		2.9	29
2-Butanone (MEK)		ND		2.1	29
4-Methyl-2-pentanone (MIBK)		ND		1.9	29
Acetone		ND		4.9	29
Benzene		ND		0.29	5.8
Bromodichloromethane		ND		0.78	5.8
Bromoform		ND		2.9	5.8
Bromomethane		ND		0.52	5.8
Carbon disulfide		ND		2.9	5.8
Carbon tetrachloride		ND		0.56	5.8
Chlorobenzene		ND		0.77	5.8
Dibromochloromethane		ND		0.75	5.8
Chloroethane		ND		1.3	5.8
Chloroform		ND		0.36	5.8
Chloromethane		ND		0.35	5.8
cis-1,2-Dichloroethene		3.6	J	0.75	5.8
cis-1,3-Dichloropropene		ND		0.84	5.8
Cyclohexane		ND		0.82	5.8
Dichlorodifluoromethane		ND		0.48	5.8
Ethylbenzene		ND		0.40	5.8
Isopropylbenzene		ND		0.88	5.8
Methyl acetate		ND		3.5	5.8
Methyl tert-butyl ether		ND		0.57	5.8
Methylcyclohexane		ND		0.89	5.8
Methylene Chloride		ND		2.7	5.8
Styrene		ND		0.29	5.8
Tetrachloroethene		ND		0.78	5.8
Toluene		ND		0.44	5.8
trans-1,2-Dichloroethene		ND		0.60	5.8
trans-1,3-Dichloropropene		ND		2.6	5.8
Trichloroethene		18		1.3	5.8
Trichlorofluoromethane		ND		0.55	5.8

Client: New York State D.E.C. Job Number: 480-67484-1

Client Sample ID: **MW-32 (16-18')**

Lab Sample ID: 480-67484-3 Date Sampled: 09/12/2014 1200
Client Matrix: Solid % Moisture: 14.7 Date Received: 09/17/2014 1355

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-202965	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-202969	Lab File ID:	F2198.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	09/18/2014 0626			Final Weight/Volume:	5 mL
Prep Date:	09/17/2014 2208				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.71	5.8
Xylenes, Total		ND		0.98	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		64 - 126
Toluene-d8 (Surr)	97		71 - 125
4-Bromofluorobenzene (Surr)	108		72 - 126

Client: New York State D.E.C. Job Number: 480-67484-1

Client Sample ID: **MW-33 (4-8')**

Lab Sample ID: 480-67484-4 Date Sampled: 09/15/2014 1000
Client Matrix: Solid % Moisture: 16.1 Date Received: 09/17/2014 1355

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-202965	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-202969	Lab File ID:	F2199.D
Dilution:	1.0			Initial Weight/Volume:	5.11 g
Analysis Date:	09/18/2014 0652			Final Weight/Volume:	5 mL
Prep Date:	09/17/2014 2300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.42	5.8
1,1,2,2-Tetrachloroethane		ND		0.95	5.8
1,1,2-Trichloroethane		ND		0.76	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.8
1,1-Dichloroethane		ND		0.71	5.8
1,1-Dichloroethene		ND		0.71	5.8
1,2,4-Trichlorobenzene		ND		0.35	5.8
1,2-Dibromo-3-Chloropropane		ND		2.9	5.8
1,2-Dibromoethane		ND		0.75	5.8
1,2-Dichlorobenzene		ND		0.46	5.8
1,2-Dichloroethane		ND		0.29	5.8
1,2-Dichloropropane		ND		2.9	5.8
1,3-Dichlorobenzene		ND		0.30	5.8
1,4-Dichlorobenzene		ND		0.82	5.8
2-Hexanone		ND		2.9	29
2-Butanone (MEK)		ND		2.1	29
4-Methyl-2-pentanone (MIBK)		ND		1.9	29
Acetone		ND		4.9	29
Benzene		ND		0.29	5.8
Bromodichloromethane		ND		0.78	5.8
Bromoform		ND		2.9	5.8
Bromomethane		ND		0.52	5.8
Carbon disulfide		ND		2.9	5.8
Carbon tetrachloride		ND		0.56	5.8
Chlorobenzene		ND		0.77	5.8
Dibromochloromethane		ND		0.75	5.8
Chloroethane		ND		1.3	5.8
Chloroform		ND		0.36	5.8
Chloromethane		ND		0.35	5.8
cis-1,2-Dichloroethene		ND		0.75	5.8
cis-1,3-Dichloropropene		ND		0.84	5.8
Cyclohexane		ND		0.82	5.8
Dichlorodifluoromethane		ND		0.48	5.8
Ethylbenzene		ND		0.40	5.8
Isopropylbenzene		ND		0.88	5.8
Methyl acetate		ND		3.5	5.8
Methyl tert-butyl ether		ND		0.57	5.8
Methylcyclohexane		ND		0.89	5.8
Methylene Chloride		ND		2.7	5.8
Styrene		ND		0.29	5.8
Tetrachloroethene		ND		0.78	5.8
Toluene		ND		0.44	5.8
trans-1,2-Dichloroethene		ND		0.60	5.8
trans-1,3-Dichloropropene		ND		2.6	5.8
Trichloroethene		1.6	J	1.3	5.8
Trichlorofluoromethane		ND		0.55	5.8

Client: New York State D.E.C. Job Number: 480-67484-1

Client Sample ID: **MW-33 (4-8')**

Lab Sample ID: 480-67484-4 Date Sampled: 09/15/2014 1000
Client Matrix: Solid % Moisture: 16.1 Date Received: 09/17/2014 1355

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-202965	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-202969	Lab File ID:	F2199.D
Dilution:	1.0			Initial Weight/Volume:	5.11 g
Analysis Date:	09/18/2014 0652			Final Weight/Volume:	5 mL
Prep Date:	09/17/2014 2300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.71	5.8
Xylenes, Total		ND		0.98	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		64 - 126
Toluene-d8 (Surr)	98		71 - 125
4-Bromofluorobenzene (Surr)	110		72 - 126

Client: New York State D.E.C. Job Number: 480-67484-1

Client Sample ID: **DUP-1**

Lab Sample ID: 480-67484-5 Date Sampled: 09/12/2014 1205
Client Matrix: Solid % Moisture: 15.6 Date Received: 09/17/2014 1355

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-202965	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-202969	Lab File ID:	F2200.D
Dilution:	1.0			Initial Weight/Volume:	5.05 g
Analysis Date:	09/18/2014 0717			Final Weight/Volume:	5 mL
Prep Date:	09/17/2014 2208				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.43	5.9
1,1,2,2-Tetrachloroethane		ND		0.95	5.9
1,1,2-Trichloroethane		ND		0.76	5.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.9
1,1-Dichloroethane		ND		0.72	5.9
1,1-Dichloroethene		ND		0.72	5.9
1,2,4-Trichlorobenzene		ND		0.36	5.9
1,2-Dibromo-3-Chloropropane		ND		2.9	5.9
1,2-Dibromoethane		ND		0.75	5.9
1,2-Dichlorobenzene		ND		0.46	5.9
1,2-Dichloroethane		ND		0.29	5.9
1,2-Dichloropropane		ND		2.9	5.9
1,3-Dichlorobenzene		ND		0.30	5.9
1,4-Dichlorobenzene		ND		0.82	5.9
2-Hexanone		ND		2.9	29
2-Butanone (MEK)		ND		2.1	29
4-Methyl-2-pentanone (MIBK)		ND		1.9	29
Acetone		ND		4.9	29
Benzene		ND		0.29	5.9
Bromodichloromethane		ND		0.79	5.9
Bromoform		ND		2.9	5.9
Bromomethane		ND		0.53	5.9
Carbon disulfide		ND		2.9	5.9
Carbon tetrachloride		ND		0.57	5.9
Chlorobenzene		ND		0.77	5.9
Dibromochloromethane		ND		0.75	5.9
Chloroethane		ND		1.3	5.9
Chloroform		ND		0.36	5.9
Chloromethane		ND		0.35	5.9
cis-1,2-Dichloroethene		ND		0.75	5.9
cis-1,3-Dichloropropene		ND		0.84	5.9
Cyclohexane		ND		0.82	5.9
Dichlorodifluoromethane		ND		0.48	5.9
Ethylbenzene		ND		0.40	5.9
Isopropylbenzene		ND		0.88	5.9
Methyl acetate		ND		3.5	5.9
Methyl tert-butyl ether		ND		0.58	5.9
Methylcyclohexane		ND		0.89	5.9
Methylene Chloride		ND		2.7	5.9
Styrene		ND		0.29	5.9
Tetrachloroethene		ND		0.79	5.9
Toluene		0.51	J	0.44	5.9
trans-1,2-Dichloroethene		ND		0.60	5.9
trans-1,3-Dichloropropene		ND		2.6	5.9
Trichloroethene		1.3	J	1.3	5.9
Trichlorofluoromethane		ND		0.55	5.9

Client: New York State D.E.C. Job Number: 480-67484-1

Client Sample ID: **DUP-1**

Lab Sample ID: 480-67484-5 Date Sampled: 09/12/2014 1205
Client Matrix: Solid % Moisture: 15.6 Date Received: 09/17/2014 1355

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-202965	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-202969	Lab File ID:	F2200.D
Dilution:	1.0			Initial Weight/Volume:	5.05 g
Analysis Date:	09/18/2014 0717			Final Weight/Volume:	5 mL
Prep Date:	09/17/2014 2208				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.72	5.9
Xylenes, Total		ND		0.98	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
Toluene-d8 (Surr)	97		71 - 125
4-Bromofluorobenzene (Surr)	110		72 - 126

General Chemistry

Client Sample ID: **MW-30 (1-4')**

Lab Sample ID: 480-67484-1 Date Sampled: 09/11/2014 1100

Client Matrix: Solid Date Received: 09/17/2014 1355

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	8.2		%	0.10	1.0	Moisture
Analysis Batch: 480-202994	Analysis Date: 09/18/2014 0358					DryWt Corrected: N
Percent Solids	91.8		%	0.10	1.0	Moisture
Analysis Batch: 480-202994	Analysis Date: 09/18/2014 0358					DryWt Corrected: N

General Chemistry

Client Sample ID: **MW-31 (6-8')**

Lab Sample ID: 480-67484-2 Date Sampled: 09/11/2014 1600

Client Matrix: Solid Date Received: 09/17/2014 1355

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	15.7		%	0.10	1.0	Moisture
	Analysis Batch: 480-202994		Analysis Date: 09/18/2014 0358			DryWt Corrected: N
Percent Solids	84.3		%	0.10	1.0	Moisture
	Analysis Batch: 480-202994		Analysis Date: 09/18/2014 0358			DryWt Corrected: N

General Chemistry

Client Sample ID: **MW-32 (16-18')**

Lab Sample ID: 480-67484-3 Date Sampled: 09/12/2014 1200

Client Matrix: Solid Date Received: 09/17/2014 1355

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	14.7		%	0.10	1.0	Moisture
	Analysis Batch: 480-202994		Analysis Date: 09/18/2014 0358			DryWt Corrected: N
Percent Solids	85.3		%	0.10	1.0	Moisture
	Analysis Batch: 480-202994		Analysis Date: 09/18/2014 0358			DryWt Corrected: N

General Chemistry

Client Sample ID: **MW-33 (4-8')**

Lab Sample ID: 480-67484-4 Date Sampled: 09/15/2014 1000

Client Matrix: Solid Date Received: 09/17/2014 1355

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	16.1		%	0.10	1.0	Moisture
	Analysis Batch: 480-202994		Analysis Date: 09/18/2014 0358			DryWt Corrected: N
Percent Solids	83.9		%	0.10	1.0	Moisture
	Analysis Batch: 480-202994		Analysis Date: 09/18/2014 0358			DryWt Corrected: N

General Chemistry

Client Sample ID: **DUP-1**

Lab Sample ID: 480-67484-5 Date Sampled: 09/12/2014 1205

Client Matrix: Solid Date Received: 09/17/2014 1355

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	15.6		%	0.10	1.0	Moisture
	Analysis Batch: 480-202994		Analysis Date: 09/18/2014 0358			DryWt Corrected: N
Percent Solids	84.4		%	0.10	1.0	Moisture
	Analysis Batch: 480-202994		Analysis Date: 09/18/2014 0358			DryWt Corrected: N

Client: New York State D.E.C. Job Number: 480-67484-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-67484-1	MW-30 (1-4')	110	98	108
480-67484-2	MW-31 (6-8')	112	98	112
480-67484-3	MW-32 (16-18')	105	97	108
480-67484-4	MW-33 (4-8')	105	98	110
480-67484-5	DUP-1	106	97	110
MB 480-202965/6		106	96	107
MB 480-203192/7		108	96	107
LCS 480-202965/5		106	97	110
LCS 480-203192/6		110	96	111
480-67484-4 MS	MW-33 (4-8') MS	98	98	111
480-67484-4 MSD	MW-33 (4-8') MSD	96	98	110

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Client: New York State D.E.C. Job Number: 480-67484-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-67484-1 DL	MW-30 (1-4') DL	113	96	98
MB 480-203894/2-A		111	108	110
LCS 480-203894/1-A		102	90	97

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Client: New York State D.E.C. Job Number: 480-67484-1

Method Blank - Batch: 480-202965

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 480-202965/6	Analysis Batch:	480-202965	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F2181.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/17/2014 2256	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Hexanone	ND		2.5	25
2-Butanone (MEK)	ND		1.8	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	ND		4.2	25
Benzene	ND		0.25	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Dibromochloromethane	ND		0.64	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.35	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		3.0	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.52	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Client: New York State D.E.C. Job Number: 480-67484-1

Method Blank - Batch: 480-202965

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 480-202965/6	Analysis Batch:	480-202965	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F2181.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/17/2014 2256	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.84	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	64 - 126
Toluene-d8 (Surr)	96	71 - 125
4-Bromofluorobenzene (Surr)	107	72 - 126

Lab Control Sample - Batch: 480-202965

Method: 8260C
Preparation: N/A

Lab Sample ID:	LCS 480-202965/5	Analysis Batch:	480-202965	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F2180.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/17/2014 2231	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	50.0	48.6	97	73 - 126	
1,1-Dichloroethene	50.0	50.7	101	59 - 125	
1,2-Dichlorobenzene	50.0	47.0	94	75 - 120	
1,2-Dichloroethane	50.0	51.8	104	77 - 122	
Benzene	50.0	49.7	99	79 - 127	
Chlorobenzene	50.0	48.3	97	76 - 124	
cis-1,2-Dichloroethene	50.0	51.1	102	81 - 117	
Ethylbenzene	50.0	47.9	96	80 - 120	
Methyl tert-butyl ether	50.0	52.7	105	63 - 125	
Tetrachloroethene	50.0	52.6	105	74 - 122	
Toluene	50.0	46.0	92	74 - 128	
trans-1,2-Dichloroethene	50.0	50.5	101	78 - 126	
Trichloroethene	50.0	51.3	103	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	64 - 126
Toluene-d8 (Surr)	97	71 - 125
4-Bromofluorobenzene (Surr)	110	72 - 126

Client: New York State D.E.C. Job Number: 480-67484-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-202969

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-67484-4	Analysis Batch:	480-202965	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-202969	Lab File ID:	F2202.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	09/18/2014 0808			Final Weight/Volume:	5 mL
Prep Date:	09/17/2014 2300				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-67484-4	Analysis Batch:	480-202965	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-202969	Lab File ID:	F2203.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.19 g
Analysis Date:	09/18/2014 0834			Final Weight/Volume:	5 mL
Prep Date:	09/17/2014 2300				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	86	81	73 - 126	9	30		
1,1-Dichloroethene	87	80	59 - 125	12	30		
1,2-Dichlorobenzene	78	75	75 - 120	7	30		
1,2-Dichloroethane	87	81	77 - 122	10	30		
Benzene	88	82	79 - 127	10	30		
Chlorobenzene	84	80	76 - 124	9	30		
cis-1,2-Dichloroethene	90	85	81 - 117	10	30		
Ethylbenzene	82	77	80 - 120	9	30		F1
Methyl tert-butyl ether	91	85	63 - 125	9	30		
Tetrachloroethene	88	83	74 - 122	9	30		
Toluene	79	74	74 - 128	9	30		
trans-1,2-Dichloroethene	88	82	78 - 126	11	30		
Trichloroethene	92	84	77 - 129	11	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	96	64 - 126
Toluene-d8 (Surr)	98	98	71 - 125
4-Bromofluorobenzene (Surr)	111	110	72 - 126

Client: New York State D.E.C. Job Number: 480-67484-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-202969

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-67484-4	Units: ug/Kg	MSD Lab Sample ID:	480-67484-4	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	09/18/2014 0808		Analysis Date:	09/18/2014 0834	
Prep Date:	09/17/2014 2300		Prep Date:	09/17/2014 2300	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
1,1-Dichloroethane	ND		59.4	57.4	50.8	46.3	
1,1-Dichloroethene	ND		59.4	57.4	51.9	45.8	
1,2-Dichlorobenzene	ND		59.4	57.4	46.2	43.2	
1,2-Dichloroethane	ND		59.4	57.4	51.7	46.8	
Benzene	ND		59.4	57.4	52.3	47.1	
Chlorobenzene	ND		59.4	57.4	49.9	45.7	
cis-1,2-Dichloroethene	ND		59.4	57.4	53.6	48.6	
Ethylbenzene	ND		59.4	57.4	48.5	44.2	F1
Methyl tert-butyl ether	ND		59.4	57.4	53.8	49.1	
Tetrachloroethene	ND		59.4	57.4	52.0	47.6	
Toluene	ND		59.4	57.4	46.7	42.6	
trans-1,2-Dichloroethene	ND		59.4	57.4	52.4	47.0	
Trichloroethene	1.6	J	59.4	57.4	56.0	50.0	

Client: New York State D.E.C. Job Number: 480-67484-1

Method Blank - Batch: 480-203192

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 480-203192/7	Analysis Batch:	480-203192	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F2210.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/18/2014 2323	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Hexanone	ND		2.5	25
2-Butanone (MEK)	ND		1.8	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	ND		4.2	25
Benzene	ND		0.25	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Dibromochloromethane	ND		0.64	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.35	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		3.0	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.52	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Client: New York State D.E.C. Job Number: 480-67484-1

Method Blank - Batch: 480-203192

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 480-203192/7	Analysis Batch:	480-203192	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F2210.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/18/2014 2323	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.84	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	64 - 126
Toluene-d8 (Surr)	96	71 - 125
4-Bromofluorobenzene (Surr)	107	72 - 126

Lab Control Sample - Batch: 480-203192

Method: 8260C
Preparation: N/A

Lab Sample ID:	LCS 480-203192/6	Analysis Batch:	480-203192	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F2209.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/18/2014 2257	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	50.0	51.4	103	73 - 126	
1,1-Dichloroethene	50.0	53.6	107	59 - 125	
1,2-Dichlorobenzene	50.0	45.3	91	75 - 120	
1,2-Dichloroethane	50.0	53.5	107	77 - 122	
Benzene	50.0	53.0	106	79 - 127	
Chlorobenzene	50.0	48.2	96	76 - 124	
cis-1,2-Dichloroethene	50.0	54.2	108	81 - 117	
Ethylbenzene	50.0	47.6	95	80 - 120	
Methyl tert-butyl ether	50.0	54.8	110	63 - 125	
Tetrachloroethene	50.0	52.6	105	74 - 122	
Toluene	50.0	45.4	91	74 - 128	
trans-1,2-Dichloroethene	50.0	54.0	108	78 - 126	
Trichloroethene	50.0	54.9	110	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	64 - 126
Toluene-d8 (Surr)	96	71 - 125
4-Bromofluorobenzene (Surr)	111	72 - 126

Client: New York State D.E.C. Job Number: 480-67484-1

Method Blank - Batch: 480-203894 **Method: 8260C**
Preparation: 5035

Lab Sample ID:	MB 480-203894/2-A	Analysis Batch:	480-204342	Instrument ID:	HP5973G
Client Matrix:	Solid	Prep Batch:	480-203894	Lab File ID:	G34299.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.07 g
Analysis Date:	09/25/2014 1511	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/23/2014 1239				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		27	99
1,1,2,2-Tetrachloroethane	ND		16	99
1,1,2-Trichloroethane	ND		21	99
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49	99
1,1-Dichloroethane	ND		30	99
1,1-Dichloroethene	ND		34	99
1,2,4-Trichlorobenzene	ND		37	99
1,2-Dibromo-3-Chloropropane	ND		49	99
1,2-Dibromoethane	ND		17	99
1,2-Dichlorobenzene	ND		25	99
1,2-Dichloroethane	ND		40	99
1,2-Dichloropropane	ND		16	99
1,3-Dichlorobenzene	ND		26	99
1,4-Dichlorobenzene	ND		14	99
2-Hexanone	ND		200	490
2-Butanone (MEK)	ND		290	490
4-Methyl-2-pentanone (MIBK)	ND		32	490
Acetone	ND		410	490
Benzene	ND		19	99
Bromodichloromethane	ND		20	99
Bromoform	ND		49	99
Bromomethane	257		22	99
Carbon disulfide	ND		45	99
Carbon tetrachloride	ND		25	99
Chlorobenzene	ND		13	99
Dibromochloromethane	ND		48	99
Chloroethane	ND		21	99
Chloroform	ND		68	99
Chloromethane	72.9	J	23	99
cis-1,2-Dichloroethene	ND		27	99
cis-1,3-Dichloropropene	ND		24	99
Cyclohexane	ND		22	99
Dichlorodifluoromethane	102		43	99
Ethylbenzene	ND		29	99
Isopropylbenzene	ND		15	99
Methyl acetate	ND		47	99
Methyl tert-butyl ether	ND		37	99
Methylcyclohexane	ND		46	99
Methylene Chloride	ND		20	99
Styrene	ND		24	99
Tetrachloroethene	ND		13	99
Toluene	ND		26	99
trans-1,2-Dichloroethene	ND		23	99
trans-1,3-Dichloropropene	ND		9.7	99
Trichloroethene	ND		27	99

Method Blank - Batch: 480-203894

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-203894/2-A	Analysis Batch:	480-204342	Instrument ID:	HP5973G
Client Matrix:	Solid	Prep Batch:	480-203894	Lab File ID:	G34299.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.07 g
Analysis Date:	09/25/2014 1511	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/23/2014 1239				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		46	99
Vinyl chloride	68.6	J	33	99
Xylenes, Total	ND		17	200

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	53 - 146
Toluene-d8 (Surr)	108	50 - 149
4-Bromofluorobenzene (Surr)	110	49 - 148

Lab Control Sample - Batch: 480-203894

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-203894/1-A	Analysis Batch:	480-204342	Instrument ID:	HP5973G
Client Matrix:	Solid	Prep Batch:	480-203894	Lab File ID:	G34297.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	3.24 g
Analysis Date:	09/25/2014 1353	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/23/2014 1239				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	3860	3100	80	78 - 121	
1,1-Dichloroethene	3860	3560	92	48 - 133	
1,2-Dichlorobenzene	3860	4090	106	78 - 125	
1,2-Dichloroethane	3860	4130	107	74 - 127	
Benzene	3860	3930	102	77 - 125	
Chlorobenzene	3860	4140	107	76 - 126	
cis-1,2-Dichloroethene	3860	4030	105	79 - 124	
Ethylbenzene	3860	3980	103	78 - 124	
Methyl tert-butyl ether	3860	4100	106	67 - 137	
Tetrachloroethene	3860	3770	98	73 - 133	
Toluene	3860	3950	102	75 - 124	
trans-1,2-Dichloroethene	3860	4010	104	74 - 129	
Trichloroethene	3860	3930	102	75 - 131	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	53 - 146
Toluene-d8 (Surr)	90	50 - 149
4-Bromofluorobenzene (Surr)	97	49 - 148

DATA REPORTING QUALIFIERS

Client: New York State D.E.C. Job Number: 480-67484-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F1	MS and/or MSD Recovery exceeds the control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: New York State D.E.C. Job Number: 480-67484-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-202965					
LCS 480-202965/5	Lab Control Sample	T	Solid	8260C	
MB 480-202965/6	Method Blank	T	Solid	8260C	
480-67484-1	MW-30 (1-4')	T	Solid	8260C	480-202969
480-67484-3	MW-32 (16-18')	T	Solid	8260C	480-202969
480-67484-4	MW-33 (4-8')	T	Solid	8260C	480-202969
480-67484-4MS	Matrix Spike	T	Solid	8260C	480-202969
480-67484-4MSD	Matrix Spike Duplicate	T	Solid	8260C	480-202969
480-67484-5	DUP-1	T	Solid	8260C	480-202969
Prep Batch: 480-202969					
480-67484-1	MW-30 (1-4')	T	Solid	5035	
480-67484-3	MW-32 (16-18')	T	Solid	5035	
480-67484-4	MW-33 (4-8')	T	Solid	5035	
480-67484-4MS	Matrix Spike	T	Solid	5035	
480-67484-4MSD	Matrix Spike Duplicate	T	Solid	5035	
480-67484-5	DUP-1	T	Solid	5035	
Analysis Batch:480-203192					
LCS 480-203192/6	Lab Control Sample	T	Solid	8260C	
MB 480-203192/7	Method Blank	T	Solid	8260C	
480-67484-2	MW-31 (6-8')	T	Solid	8260C	480-203221
Prep Batch: 480-203221					
480-67484-2	MW-31 (6-8')	T	Solid	5035	
Prep Batch: 480-203894					
LCS 480-203894/1-A	Lab Control Sample	T	Solid	5035	
MB 480-203894/2-A	Method Blank	T	Solid	5035	
480-67484-1DL	MW-30 (1-4')	T	Solid	5035	
Analysis Batch:480-204342					
LCS 480-203894/1-A	Lab Control Sample	T	Solid	8260C	480-203894
MB 480-203894/2-A	Method Blank	T	Solid	8260C	480-203894
480-67484-1DL	MW-30 (1-4')	T	Solid	8260C	480-203894

Report Basis
T = Total

Client: New York State D.E.C. Job Number: 480-67484-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-202994					
480-67484-1	MW-30 (1-4')	T	Solid	Moisture	
480-67484-2	MW-31 (6-8')	T	Solid	Moisture	
480-67484-3	MW-32 (16-18')	T	Solid	Moisture	
480-67484-4	MW-33 (4-8')	T	Solid	Moisture	
480-67484-4MS	Matrix Spike	T	Solid	Moisture	
480-67484-4MSD	Matrix Spike Duplicate	T	Solid	Moisture	
480-67484-5	DUP-1	T	Solid	Moisture	

Report Basis
T = Total

Client: New York State D.E.C. Job Number: 480-67484-1

Laboratory Chronicle

Lab ID: 480-67484-1 **Client ID: MW-30 (1-4')**

Sample Date/Time: 09/11/2014 11:00 Received Date/Time: 09/17/2014 13:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-67484-A-1-A		480-202965	480-202969	09/17/2014 22:08	1	TAL BUF	CDC
A:8260C	480-67484-A-1-A		480-202965	480-202969	09/18/2014 05:35	1	TAL BUF	RAS
P:5035	480-67484-A-1-B	DL	480-204342	480-203894	09/23/2014 12:39	20	TAL BUF	NQN
A:8260C	480-67484-A-1-B	DL	480-204342	480-203894	09/25/2014 16:23	20	TAL BUF	NQN
A:Moisture	480-67484-A-1		480-202994		09/18/2014 03:58	1	TAL BUF	CDC

Lab ID: 480-67484-2 **Client ID: MW-31 (6-8')**

Sample Date/Time: 09/11/2014 16:00 Received Date/Time: 09/17/2014 13:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-67484-A-2-B		480-203192	480-203221	09/18/2014 23:57	1	TAL BUF	CDC
A:8260C	480-67484-A-2-B		480-203192	480-203221	09/19/2014 02:09	1	TAL BUF	RAS
A:Moisture	480-67484-A-2		480-202994		09/18/2014 03:58	1	TAL BUF	CDC

Lab ID: 480-67484-3 **Client ID: MW-32 (16-18')**

Sample Date/Time: 09/12/2014 12:00 Received Date/Time: 09/17/2014 13:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-67484-A-3-A		480-202965	480-202969	09/17/2014 22:08	1	TAL BUF	CDC
A:8260C	480-67484-A-3-A		480-202965	480-202969	09/18/2014 06:26	1	TAL BUF	RAS
A:Moisture	480-67484-A-3		480-202994		09/18/2014 03:58	1	TAL BUF	CDC

Lab ID: 480-67484-4 **Client ID: MW-33 (4-8')**

Sample Date/Time: 09/15/2014 10:00 Received Date/Time: 09/17/2014 13:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-67484-A-4-A		480-202965	480-202969	09/17/2014 23:00	1	TAL BUF	CDC
A:8260C	480-67484-A-4-A		480-202965	480-202969	09/18/2014 06:52	1	TAL BUF	RAS
A:Moisture	480-67484-A-4		480-202994		09/18/2014 03:58	1	TAL BUF	CDC

Lab ID: 480-67484-4 **Client ID: MW-33 (4-8')**

Sample Date/Time: 09/15/2014 10:00 Received Date/Time: 09/17/2014 13:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-67484-A-4-B MS		480-202965	480-202969	09/17/2014 23:00	1	TAL BUF	CDC
A:8260C	480-67484-A-4-B MS		480-202965	480-202969	09/18/2014 08:08	1	TAL BUF	RAS
A:Moisture	480-67484-A-4 MS		480-202994		09/18/2014 03:58	1	TAL BUF	CDC

Client: New York State D.E.C. Job Number: 480-67484-1

Laboratory Chronicle

Lab ID: 480-67484-4 **Client ID:** MW-33 (4-8')

Sample Date/Time: 09/15/2014 10:00 Received Date/Time: 09/17/2014 13:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-67484-A-4-C MSD		480-202965	480-202969	09/17/2014 23:00	1	TAL BUF	CDC
A:8260C	480-67484-A-4-C MSD		480-202965	480-202969	09/18/2014 08:34	1	TAL BUF	RAS
A:Moisture	480-67484-A-4 MSD		480-202994		09/18/2014 03:58	1	TAL BUF	CDC

Lab ID: 480-67484-5 **Client ID:** DUP-1

Sample Date/Time: 09/12/2014 12:05 Received Date/Time: 09/17/2014 13:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-67484-A-5-A		480-202965	480-202969	09/17/2014 22:08	1	TAL BUF	CDC
A:8260C	480-67484-A-5-A		480-202965	480-202969	09/18/2014 07:17	1	TAL BUF	RAS
A:Moisture	480-67484-A-5		480-202994		09/18/2014 03:58	1	TAL BUF	CDC

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260C	MB 480-202965/6		480-202965		09/17/2014 22:56	1	TAL BUF	RAS
A:8260C	MB 480-203192/7		480-203192		09/18/2014 23:23	1	TAL BUF	RAS
P:5035	MB 480-203894/2-A		480-204342	480-203894	09/23/2014 12:39	1	TAL BUF	NQN
A:8260C	MB 480-203894/2-A		480-204342	480-203894	09/25/2014 15:11	1	TAL BUF	NQN

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260C	LCS 480-202965/5		480-202965		09/17/2014 22:31	1	TAL BUF	RAS
A:8260C	LCS 480-203192/6		480-203192		09/18/2014 22:57	1	TAL BUF	RAS
P:5035	LCS 480-203894/1-A		480-204342	480-203894	09/23/2014 12:39	1	TAL BUF	NQN
A:8260C	LCS 480-203894/1-A		480-204342	480-203894	09/25/2014 13:53	1	TAL BUF	NQN

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.: 480-67484-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
MW-30 (1-4')	480-67484-1	110	98	108
MW-31 (6-8')	480-67484-2	112	98	112
MW-32 (16-18')	480-67484-3	105	97	108
MW-33 (4-8')	480-67484-4	105	98	110
DUP-1	480-67484-5	106	97	110
	MB 480-202965/6	106	96	107
	MB 480-203192/7	108	96	107
	LCS 480-202965/5	106	97	110
	LCS 480-203192/6	110	96	111
MW-33 (4-8') MS	480-67484-4 MS	98	98	111
MW-33 (4-8') MSD	480-67484-4 MSD	96	98	110

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
MW-30 (1-4') DL	480-67484-1 DL	113	96	98
	MB 480-203894/2-A	111	108	110
	LCS 480-203894/1-A	102	90	97

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F2180.D

Lab ID: LCS 480-202965/5 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.0	48.6	97	73-126	
1,1-Dichloroethene	50.0	50.7	101	59-125	
1,2-Dichlorobenzene	50.0	47.0	94	75-120	
1,2-Dichloroethane	50.0	51.8	104	77-122	
Benzene	50.0	49.7	99	79-127	
Chlorobenzene	50.0	48.3	97	76-124	
cis-1,2-Dichloroethene	50.0	51.1	102	81-117	
Ethylbenzene	50.0	47.9	96	80-120	
Methyl tert-butyl ether	50.0	52.7	105	63-125	
Tetrachloroethene	50.0	52.6	105	74-122	
Toluene	50.0	46.0	92	74-128	
trans-1,2-Dichloroethene	50.0	50.5	101	78-126	
Trichloroethene	50.0	51.3	103	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F2209.D

Lab ID: LCS 480-203192/6 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.0	51.4	103	73-126	
1,1-Dichloroethene	50.0	53.6	107	59-125	
1,2-Dichlorobenzene	50.0	45.3	91	75-120	
1,2-Dichloroethane	50.0	53.5	107	77-122	
Benzene	50.0	53.0	106	79-127	
Chlorobenzene	50.0	48.2	96	76-124	
cis-1,2-Dichloroethene	50.0	54.2	108	81-117	
Ethylbenzene	50.0	47.6	95	80-120	
Methyl tert-butyl ether	50.0	54.8	110	63-125	
Tetrachloroethene	50.0	52.6	105	74-122	
Toluene	50.0	45.4	91	74-128	
trans-1,2-Dichloroethene	50.0	54.0	108	78-126	
Trichloroethene	50.0	54.9	110	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: G34297.D

Lab ID: LCS 480-203894/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	3860	3100	80	78-121	
1,1-Dichloroethene	3860	3560	92	48-133	
1,2-Dichlorobenzene	3860	4090	106	78-125	
1,2-Dichloroethane	3860	4130	107	74-127	
Benzene	3860	3930	102	77-125	
Chlorobenzene	3860	4140	107	76-126	
cis-1,2-Dichloroethene	3860	4030	105	79-124	
Ethylbenzene	3860	3980	103	78-124	
Methyl tert-butyl ether	3860	4100	106	67-137	
Tetrachloroethene	3860	3770	98	73-133	
Toluene	3860	3950	102	75-124	
trans-1,2-Dichloroethene	3860	4010	104	74-129	
Trichloroethene	3860	3930	102	75-131	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F2202.D

Lab ID: 480-67484-4 MS Client ID: MW-33 (4-8') MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	59.4	ND	50.8	86	73-126	
1,1-Dichloroethene	59.4	ND	51.9	87	59-125	
1,2-Dichlorobenzene	59.4	ND	46.2	78	75-120	
1,2-Dichloroethane	59.4	ND	51.7	87	77-122	
Benzene	59.4	ND	52.3	88	79-127	
Chlorobenzene	59.4	ND	49.9	84	76-124	
cis-1,2-Dichloroethene	59.4	ND	53.6	90	81-117	
Ethylbenzene	59.4	ND	48.5	82	80-120	
Methyl tert-butyl ether	59.4	ND	53.8	91	63-125	
Tetrachloroethene	59.4	ND	52.0	88	74-122	
Toluene	59.4	ND	46.7	79	74-128	
trans-1,2-Dichloroethene	59.4	ND	52.4	88	78-126	
Trichloroethene	59.4	1.6 J	56.0	92	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F2203.D

Lab ID: 480-67484-4 MSD Client ID: MW-33 (4-8') MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	57.4	46.3	81	9	30	73-126	
1,1-Dichloroethene	57.4	45.8	80	12	30	59-125	
1,2-Dichlorobenzene	57.4	43.2	75	7	30	75-120	
1,2-Dichloroethane	57.4	46.8	81	10	30	77-122	
Benzene	57.4	47.1	82	10	30	79-127	
Chlorobenzene	57.4	45.7	80	9	30	76-124	
cis-1,2-Dichloroethene	57.4	48.6	85	10	30	81-117	
Ethylbenzene	57.4	44.2	77	9	30	80-120	F1
Methyl tert-butyl ether	57.4	49.1	85	9	30	63-125	
Tetrachloroethene	57.4	47.6	83	9	30	74-122	
Toluene	57.4	42.6	74	9	30	74-128	
trans-1,2-Dichloroethene	57.4	47.0	82	11	30	78-126	
Trichloroethene	57.4	50.0	84	11	30	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab File ID: F2181.D Lab Sample ID: MB 480-202965/6

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

Instrument ID: HP5973F Date Analyzed: 09/17/2014 22:56

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 480-202965/5	F2180.D	09/17/2014 22:31
MW-30 (1-4')	480-67484-1	F2196.D	09/18/2014 05:35
MW-32 (16-18')	480-67484-3	F2198.D	09/18/2014 06:26
MW-33 (4-8')	480-67484-4	F2199.D	09/18/2014 06:52
DUP-1	480-67484-5	F2200.D	09/18/2014 07:17
MW-33 (4-8') MS	480-67484-4 MS	F2202.D	09/18/2014 08:08
MW-33 (4-8') MSD	480-67484-4 MSD	F2203.D	09/18/2014 08:34

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab File ID: F2210.D Lab Sample ID: MB 480-203192/7

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

Instrument ID: HP5973F Date Analyzed: 09/18/2014 23:23

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 480-203192/6	F2209.D	09/18/2014 22:57
MW-31 (6-8')	480-67484-2	F2215.D	09/19/2014 02:09

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab File ID: G34299.D Lab Sample ID: MB 480-203894/2-A

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

Instrument ID: HP5973G Date Analyzed: 09/25/2014 15:11

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 480-203894/1-A	G34297.D	09/25/2014 13:53
MW-30 (1-4') DL	480-67484-1 DL	G34300.D	09/25/2014 16:23

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab File ID: F1963.D BFB Injection Date: 09/11/2014

Instrument ID: HP5973F BFB Injection Time: 09:43

Analysis Batch No.: 201860

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.9	
75	30.0 - 60.0 % of mass 95	53.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	79.6	
175	5.0 - 9.0 % of mass 174	6.2	(7.8)1
176	95.0 - 101.0 % of mass 174	80.1	(100.7)1
177	5.0 - 9.0 % of mass 176	5.4	(6.7)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 480-201860/3	F1965.D	09/11/2014	10:42
	IC 480-201860/4	F1966.D	09/11/2014	11:08
	IC 480-201860/5	F1967.D	09/11/2014	11:33
	IC 480-201860/6	F1968.D	09/11/2014	11:59
	ICIS 480-201860/7	F1969.D	09/11/2014	12:24
	IC 480-201860/9	F1970.D	09/11/2014	12:50
	IC 480-201860/8	F1971.D	09/11/2014	13:15

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab File ID: F2177.D BFB Injection Date: 09/17/2014

Instrument ID: HP5973F BFB Injection Time: 20:57

Analysis Batch No.: 202965

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.6	
75	30.0 - 60.0 % of mass 95	52.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	87.1	
175	5.0 - 9.0 % of mass 174	6.5	(7.5)1
176	95.0 - 101.0 % of mass 174	86.4	(99.2)1
177	5.0 - 9.0 % of mass 176	5.6	(6.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-202965/3	F2178.D	09/17/2014	21:27
	LCS 480-202965/5	F2180.D	09/17/2014	22:31
	MB 480-202965/6	F2181.D	09/17/2014	22:56
MW-30 (1-4')	480-67484-1	F2196.D	09/18/2014	05:35
MW-32 (16-18')	480-67484-3	F2198.D	09/18/2014	06:26
MW-33 (4-8')	480-67484-4	F2199.D	09/18/2014	06:52
DUP-1	480-67484-5	F2200.D	09/18/2014	07:17
MW-33 (4-8') MS	480-67484-4 MS	F2202.D	09/18/2014	08:08
MW-33 (4-8') MSD	480-67484-4 MSD	F2203.D	09/18/2014	08:34

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab File ID: F2206.D BFB Injection Date: 09/18/2014

Instrument ID: HP5973F BFB Injection Time: 21:28

Analysis Batch No.: 203192

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.7	
75	30.0 - 60.0 % of mass 95	49.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	89.4	
175	5.0 - 9.0 % of mass 174	6.7	(7.5)1
176	95.0 - 101.0 % of mass 174	88.7	(99.2)1
177	5.0 - 9.0 % of mass 176	5.8	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-203192/4	F2207.D	09/18/2014	21:56
	LCS 480-203192/6	F2209.D	09/18/2014	22:57
	MB 480-203192/7	F2210.D	09/18/2014	23:23
MW-31 (6-8')	480-67484-2	F2215.D	09/19/2014	02:09

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab File ID: G34230.D BFB Injection Date: 09/24/2014

Instrument ID: HP5973G BFB Injection Time: 03:40

Analysis Batch No.: 204000

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.8	
75	30.0 - 60.0 % of mass 95	52.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.5	(0.7)1
174	50.0 - 120.00 % of mass 95	70.4	
175	5.0 - 9.0 % of mass 174	4.8	(6.8)1
176	95.0 - 101.0 % of mass 174	70.5	(100.2)1
177	5.0 - 9.0 % of mass 176	4.6	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-204000/5	G34232.D	09/24/2014	04:27
	IC 480-204000/6	G34233.D	09/24/2014	04:49
	IC 480-204000/7	G34234.D	09/24/2014	05:11
	IC 480-204000/8	G34235.D	09/24/2014	05:34
	ICIS 480-204000/9	G34236.D	09/24/2014	05:56
	IC 480-204000/10	G34237.D	09/24/2014	06:19
	IC 480-204000/11	G34238.D	09/24/2014	06:42

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab File ID: G34291.D BFB Injection Date: 09/25/2014

Instrument ID: HP5973G BFB Injection Time: 11:05

Analysis Batch No.: 204342

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.6	
75	30.0 - 60.0 % of mass 95	52.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.6	(0.9)1
174	50.0 - 120.00 % of mass 95	66.4	
175	5.0 - 9.0 % of mass 174	4.9	(7.3)1
176	95.0 - 101.0 % of mass 174	66.0	(99.4)1
177	5.0 - 9.0 % of mass 176	4.4	(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 480-204342/2	G34292.D	09/25/2014	11:32
	LCS 480-203894/1-A	G34297.D	09/25/2014	13:53
	MB 480-203894/2-A	G34299.D	09/25/2014	15:11
MW-30 (1-4') DL	480-67484-1 DL	G34300.D	09/25/2014	16:23

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Sample No.: ICIS 480-201860/7 Date Analyzed: 09/11/2014 12:24

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F1969.D Heated Purge: (Y/N) N

Calibration ID: 20104

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		141407	5.44	278803	8.27	260073	10.60
UPPER LIMIT		282814	5.94	557606	8.77	520146	11.10
LOWER LIMIT		70704	4.94	139402	7.77	130037	10.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-202965/3		123603	5.44	258019	8.27	265648	10.60
CCVIS 480-203192/4		115555	5.44	257841	8.27	267864	10.60

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Sample No.: CCVIS 480-202965/3 Date Analyzed: 09/17/2014 21:27

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F2178.D Heated Purge: (Y/N) N

Calibration ID: 20107

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		123603	5.44	258019	8.27	265648	10.60
UPPER LIMIT		247206	5.94	516038	8.77	531296	11.10
LOWER LIMIT		61802	4.94	129010	7.77	132824	10.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-202965/5		122901	5.44	255181	8.27	260899	10.60
MB 480-202965/6		120051	5.44	249856	8.27	240201	10.60
480-67484-1	MW-30 (1-4')	126006	5.44	275149	8.27	265596	10.60
480-67484-3	MW-32 (16-18')	121182	5.44	255784	8.27	250408	10.60
480-67484-4	MW-33 (4-8')	118708	5.44	249803	8.27	245097	10.60
480-67484-5	DUP-1	116463	5.44	248153	8.27	245090	10.60
480-67484-4 MS	MW-33 (4-8') MS	113806	5.44	243481	8.27	251526	10.60
480-67484-4 MSD	MW-33 (4-8') MSD	117415	5.44	248640	8.27	253601	10.60

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Sample No.: CCVIS 480-203192/4 Date Analyzed: 09/18/2014 21:56

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F2207.D Heated Purge: (Y/N) N

Calibration ID: 20107

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		115555	5.44	257841	8.27	267864	10.60
UPPER LIMIT		231110	5.94	515682	8.77	535728	11.10
LOWER LIMIT		57778	4.94	128921	7.77	133932	10.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-203192/6		113278	5.44	254751	8.27	265773	10.60
MB 480-203192/7		110081	5.44	245155	8.27	240540	10.60
480-67484-2	MW-31 (6-8')	116138	5.44	259012	8.27	262213	10.60

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Sample No.: ICIS 480-204000/9 Date Analyzed: 09/24/2014 05:56

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): G34236.D Heated Purge: (Y/N) N

Calibration ID: 20355

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		162441	5.58	337963	8.58	287390	10.96
UPPER LIMIT		324882	6.08	675926	9.08	574780	11.46
LOWER LIMIT		81221	5.08	168982	8.08	143695	10.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-204342/2		168023	5.58	349359	8.58	295081	10.95

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Sample No.: CCVIS 480-204342/2 Date Analyzed: 09/25/2014 11:32

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): G34292.D Heated Purge: (Y/N) N

Calibration ID: 20368

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		168023	5.58	349359	8.58	295081	10.95
UPPER LIMIT		336046	6.08	698718	9.08	590162	11.45
LOWER LIMIT		84012	5.08	174680	8.08	147541	10.45
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-203894/1-A		154474	5.58	329990	8.58	283087	10.96
MB 480-203894/2-A		166461	5.58	344248	8.58	290773	10.96
480-67484-1 DL	MW-30 (1-4') DL	167703	5.58	354692	8.58	294196	10.95

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: MW-30 (1-4') | Lab Sample ID: 480-67484-1

Matrix: Solid | Lab File ID: F2196.D

Analysis Method: 8260C | Date Collected: 09/11/2014 11:00

Sample wt/vol: 4.99(g) | Date Analyzed: 09/18/2014 05:35

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.5	0.88
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2
75-34-3	1,1-Dichloroethane	ND		5.5	0.67
75-35-4	1,1-Dichloroethene	15		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND		5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.5	2.7
106-93-4	1,2-Dibromoethane	ND		5.5	0.70
95-50-1	1,2-Dichlorobenzene	ND		5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.27
78-87-5	1,2-Dichloropropane	ND		5.5	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.5	0.76
591-78-6	2-Hexanone	ND		27	2.7
78-93-3	2-Butanone (MEK)	ND		27	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	47		27	4.6
71-43-2	Benzene	0.77	J	5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.73
75-25-2	Bromoform	ND		5.5	2.7
74-83-9	Bromomethane	ND		5.5	0.49
75-15-0	Carbon disulfide	ND		5.5	2.7
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND		5.5	0.72
124-48-1	Dibromochloromethane	ND		5.5	0.70
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	1500	E	5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.79
110-82-7	Cyclohexane	ND		5.5	0.76
75-71-8	Dichlorodifluoromethane	ND		5.5	0.45
100-41-4	Ethylbenzene	2.3	J	5.5	0.38
98-82-8	Isopropylbenzene	ND		5.5	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: MW-30 (1-4') | Lab Sample ID: 480-67484-1

Matrix: Solid | Lab File ID: F2196.D

Analysis Method: 8260C | Date Collected: 09/11/2014 11:00

Sample wt/vol: 4.99(g) | Date Analyzed: 09/18/2014 05:35

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	0.85	J	5.5	0.83
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND		5.5	0.27
127-18-4	Tetrachloroethene	25		5.5	0.73
108-88-3	Toluene	24		5.5	0.41
156-60-5	trans-1,2-Dichloroethene	140		5.5	0.56
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	3600	E	5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.67
1330-20-7	Xylenes, Total	15		11	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		64-126
2037-26-5	Toluene-d8 (Surr)	98		71-125
460-00-4	4-Bromofluorobenzene (Surr)	108		72-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D
Lims ID: 480-67484-A-1-A Lab Sample ID: 480-67484-1
Client ID: MW-30 (1-4')
Sample Type: Client
Inject. Date: 18-Sep-2014 05:35:30 ALS Bottle#: 15 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-67484-A-1-A
Misc. Info.: 480-0035460-021480-0035460-021
Operator ID: CDC Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Sep-2014 19:42:38 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: gigliad Date: 28-Sep-2014 19:42:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	99	126006	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	85	275149	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	95	265596	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	90083	55.1	
$ 5 Toluene-d8 (Surr)	98	6.819	6.825	-0.006	93	552545	49.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.484	9.484	0.000	92	188314	53.8	
10 Dichlorodifluoromethane	85		1.934				ND	
12 Chloromethane	50		2.098				ND	
13 Vinyl chloride	62		2.208				ND	
14 Bromomethane	94		2.500				ND	
15 Chloroethane	64		2.567				ND	
17 Trichlorofluoromethane	101		2.780				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.157				ND	
22 1,1-Dichloroethene	96	3.181	3.187	-0.006	99	40871	13.7	
23 Acetone	43	3.224	3.224	0.000	100	45711	43.0	
26 Carbon disulfide	76		3.394				ND	
27 Methyl acetate	43		3.443				ND	
30 Methylene Chloride	84	3.564	3.564	0.000	79	2904	0.7609	
32 Methyl tert-butyl ether	73		3.716				ND	
34 trans-1,2-Dichloroethene	96	3.747	3.753	-0.006	98	423032	125.4	
39 1,1-Dichloroethane	63		4.081				ND	
43 2-Butanone (MEK)	43		4.526				ND	
45 cis-1,2-Dichloroethene	96	4.532	4.538	-0.006	79	4982465	1361.4	E
50 Chloroform	83		4.781				ND	
51 1,1,1-Trichloroethane	97		4.927				ND	
52 Cyclohexane	56		4.957				ND	
55 Carbon tetrachloride	117		5.055				ND	
57 Benzene	78	5.225	5.231	-0.006	91	9620	0.7096	
58 1,2-Dichloroethane	62		5.268				ND	
1 1,4-Difluorobenzene	114		5.511				ND	
62 Trichloroethene	95	5.761	5.748	0.013	89	11425964	3341.4	EM

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
64 Methylcyclohexane	83	5.882	5.888	-0.006	78	4523	0.7757	
65 1,2-Dichloropropane	63		5.973				ND	
68 Dichlorobromomethane	83		6.217				ND	
72 cis-1,3-Dichloropropene	75		6.594				ND	
73 4-Methyl-2-pentanone (MIBK	43	6.698	6.691	0.007	92	4257	1.26	
74 Toluene	92	6.886	6.886	0.000	98	222305	22.4	
77 trans-1,3-Dichloropropene	75		7.111				ND	
79 1,1,2-Trichloroethane	83		7.306				ND	
81 Tetrachloroethene	166	7.409	7.409	0.000	98	88584	23.1	
80 2-Hexanone	43		7.482				ND	
83 Chlorodibromomethane	129		7.713				ND	
84 Ethylene Dibromide	107		7.847				ND	
87 Chlorobenzene	112		8.297				ND	
88 Ethylbenzene	91	8.358	8.358	0.000	98	37753	2.12	
90 m-Xylene & p-Xylene	106	8.474	8.474	0.000	0	57075	8.26	
91 o-Xylene	106	8.906	8.906	0.000	98	34276	5.21	
92 Styrene	104		8.930				ND	
95 Bromoform	173		9.204				ND	
94 Isopropylbenzene	105		9.271				ND	
97 1,1,2,2-Tetrachloroethane	83		9.648				ND	
111 1,3-Dichlorobenzene	146		10.542				ND	
113 1,4-Dichlorobenzene	146		10.621				ND	
116 1,2-Dichlorobenzene	146		10.962				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.643				ND	
119 1,2,4-Trichlorobenzene	180		12.282				ND	
S 124 Xylenes, Total	1				0		13.5	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00268	Amount Added:	1.00	Units: uL	Run Reagent

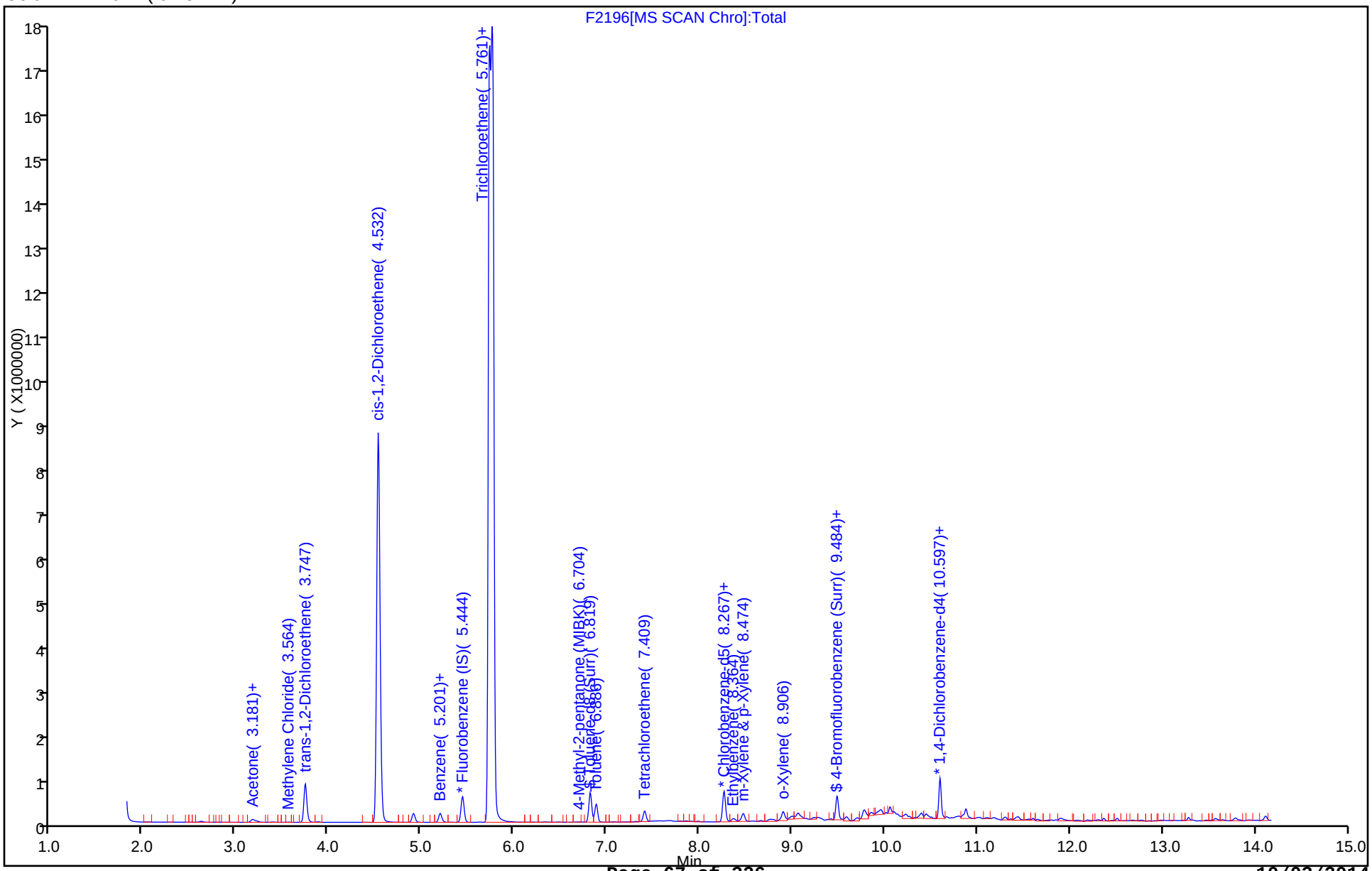
Report Date: 28-Sep-2014 19:42:39 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D

Injection Date:	18-Sep-2014 05:35:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-67484-A-1-A	Lab Sample ID:	480-67484-1	Worklist Smp#:	21
Client ID:	MW-30 (1-4')				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

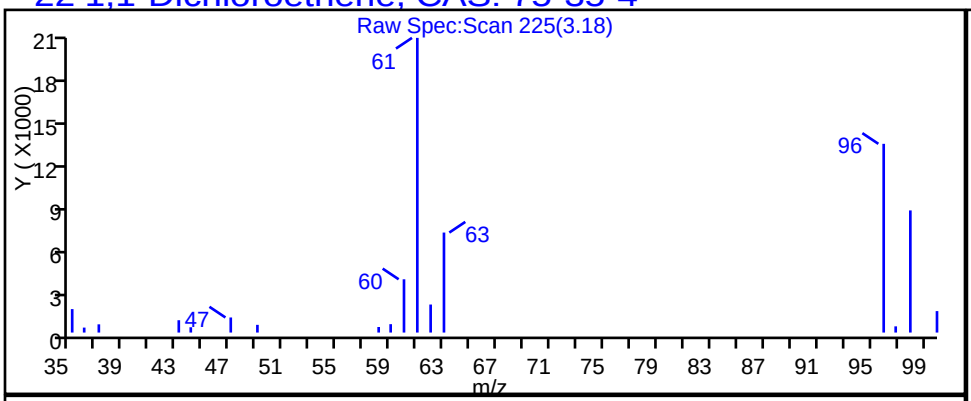


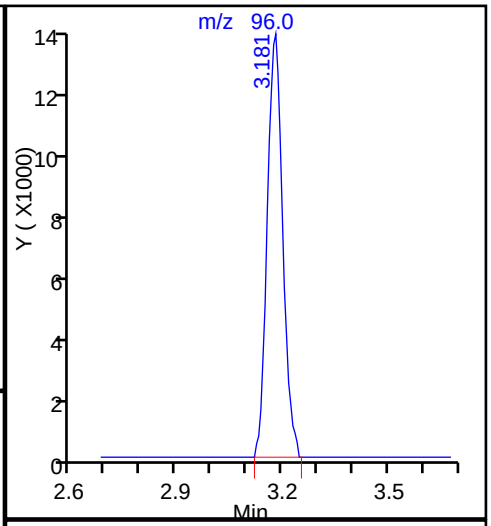
TestAmerica Buffalo

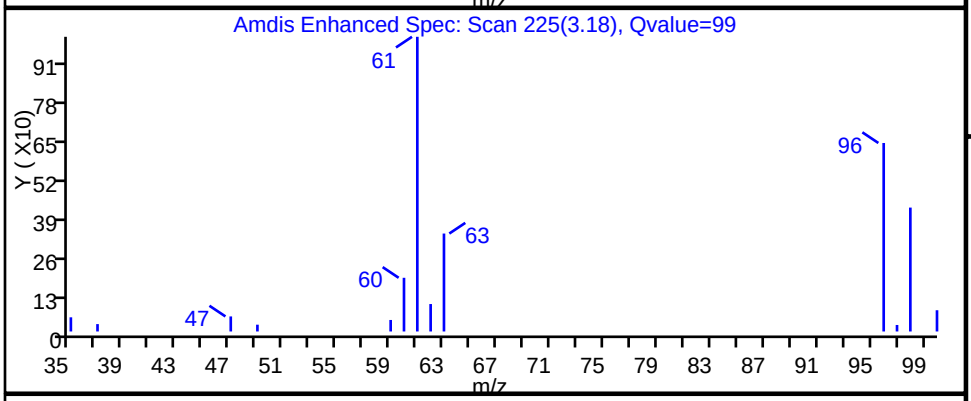
Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D

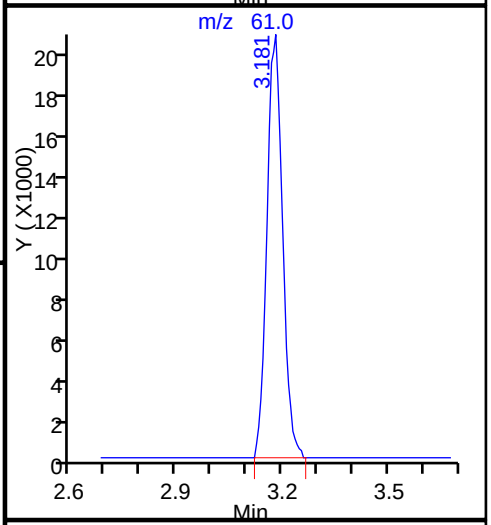
Injection Date:	18-Sep-2014 05:35:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-1-A	Lab Sample ID:	480-67484-1
Client ID:	MW-30 (1-4')		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

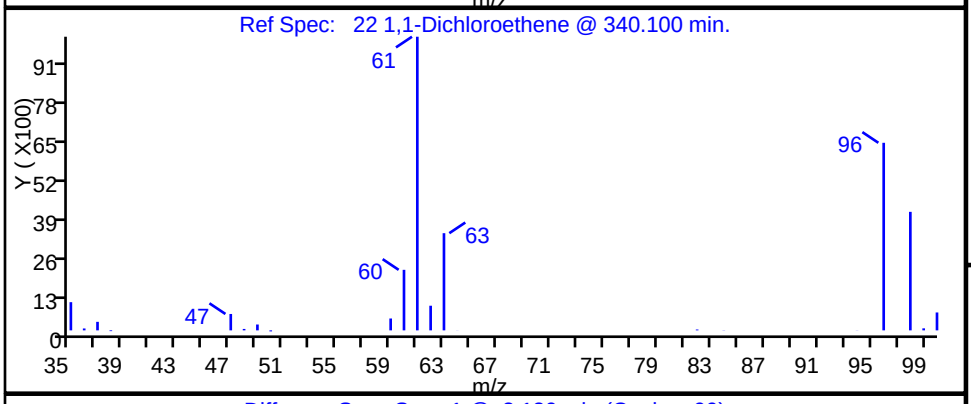
22 1,1-Dichloroethene, CAS: 75-35-4

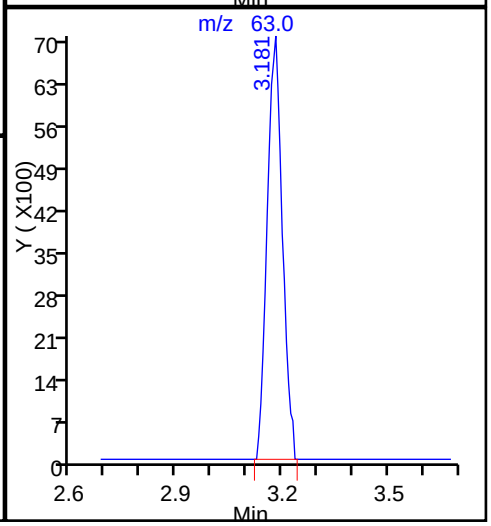


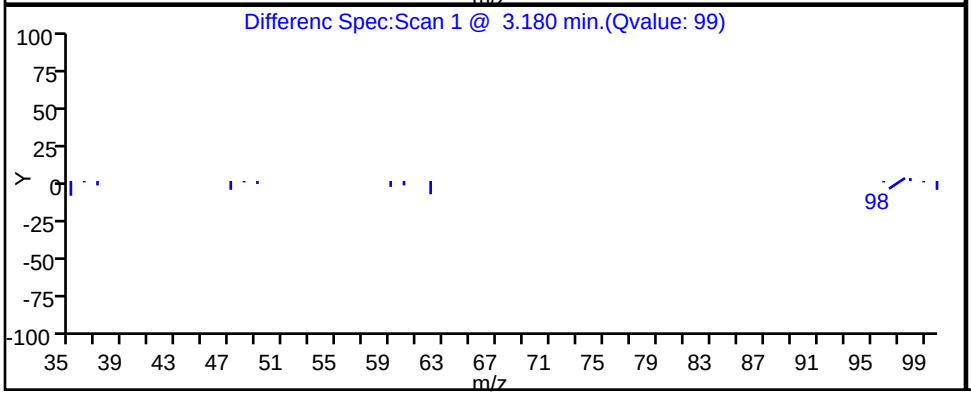












Report Date: 28-Sep-2014 19:42:39 Chrom Revision: 2.2 18-Aug-2014 12:17:36

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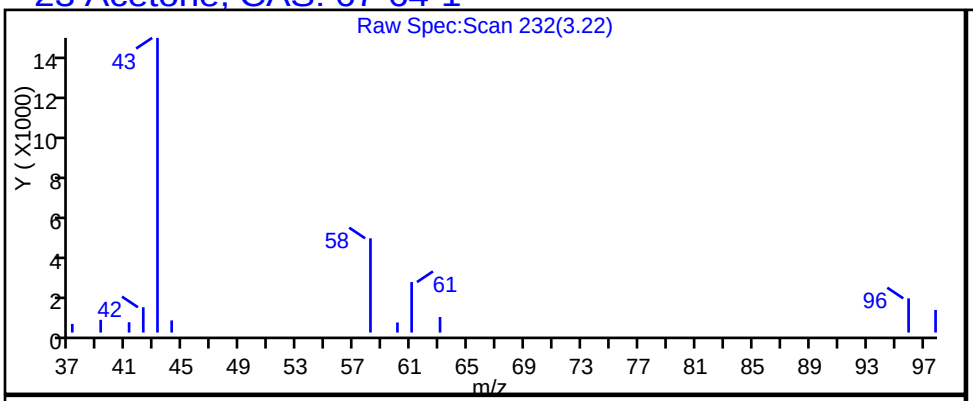
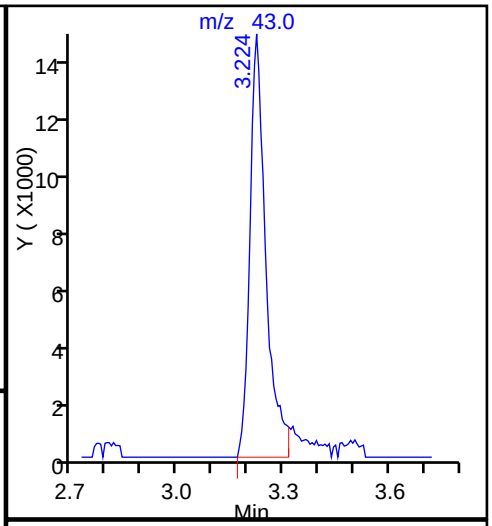
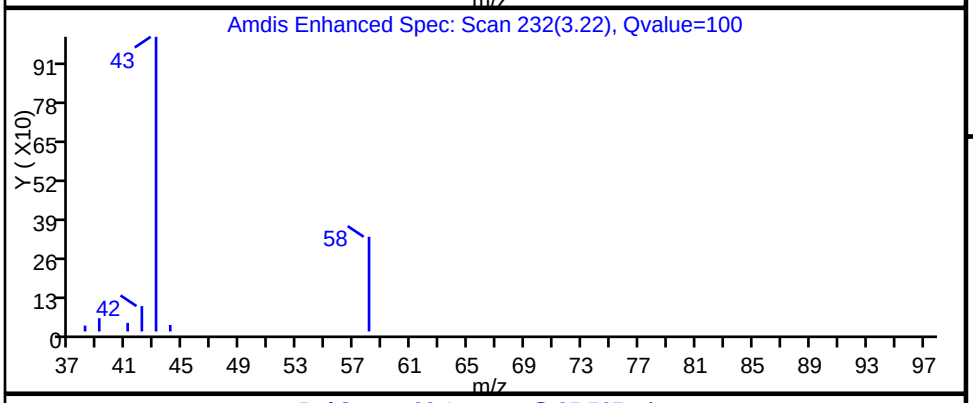
Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D

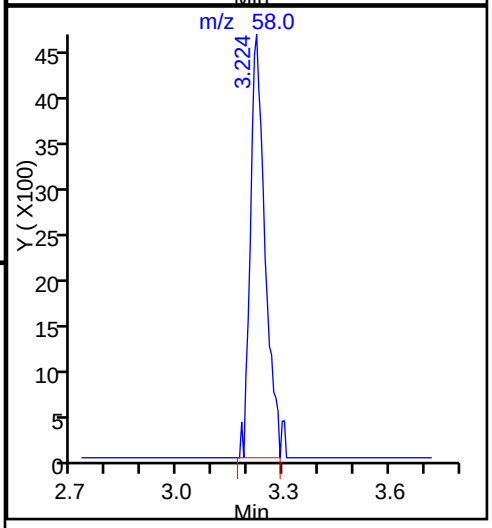
Injection Date:	18-Sep-2014 05:35:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-1-A	Lab Sample ID:	480-67484-1
Client ID:	MW-30 (1-4')		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

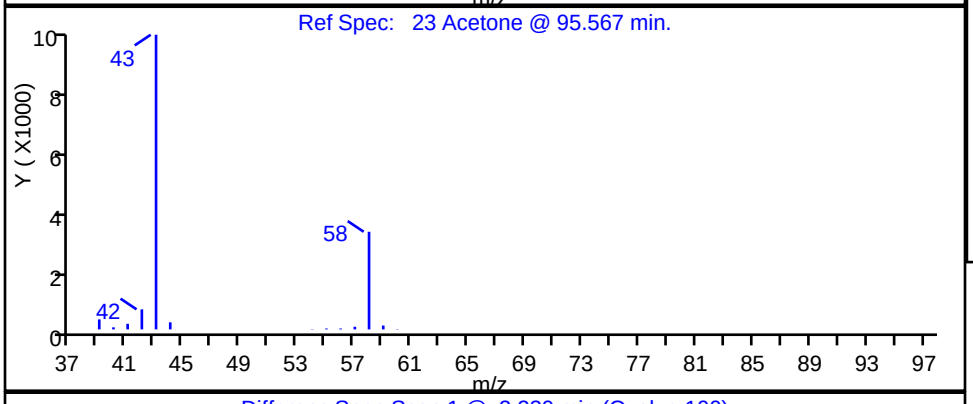
23 Acetone, CAS: 67-64-1

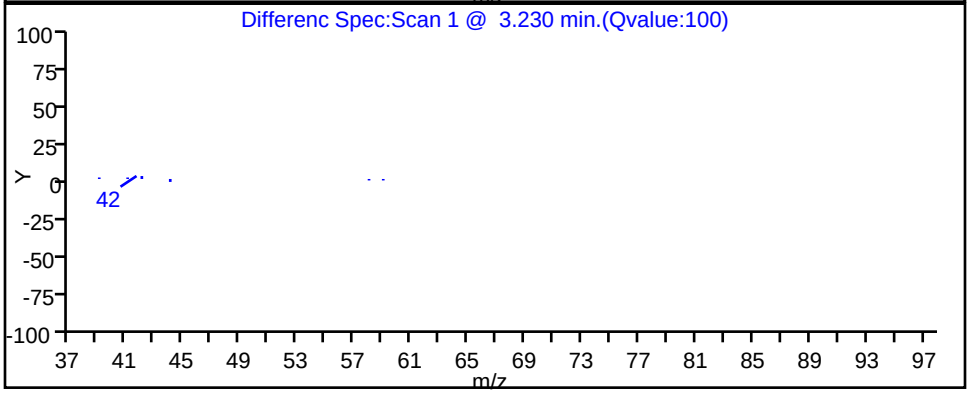












Report Date: 28-Sep-2014 19:42:39 Chrom Revision: 2.2 18-Aug-2014 12:17:36

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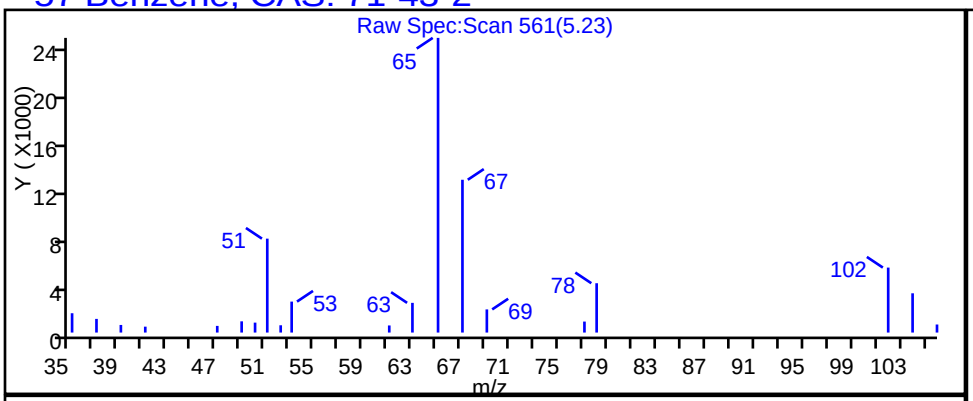
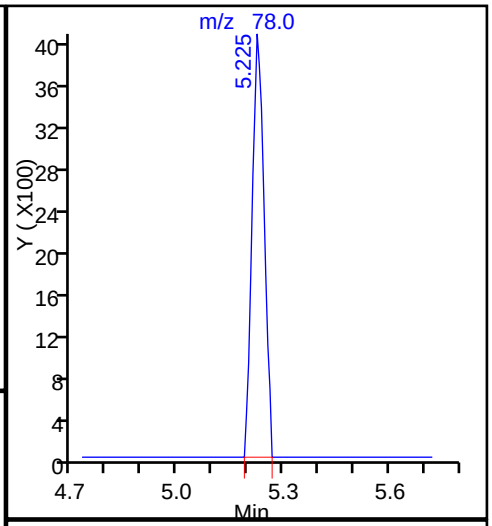
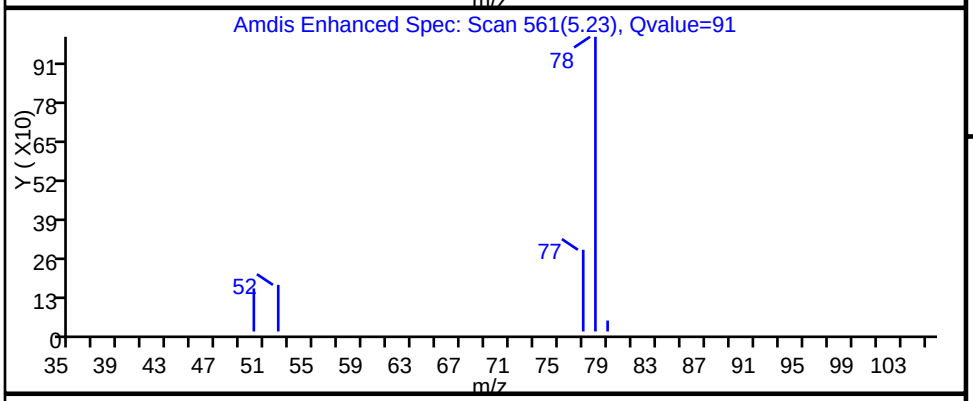
Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D

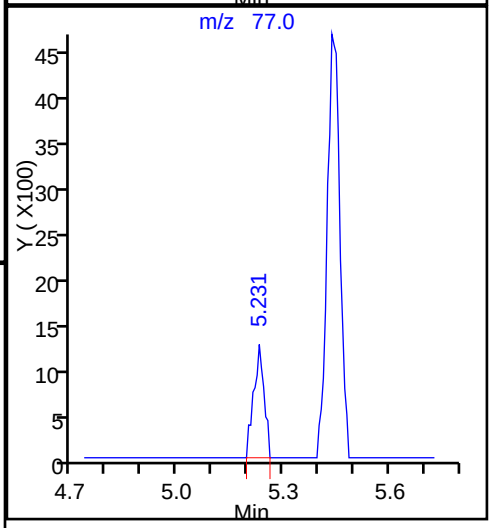
Injection Date:	18-Sep-2014 05:35:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-1-A	Lab Sample ID:	480-67484-1
Client ID:	MW-30 (1-4')		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

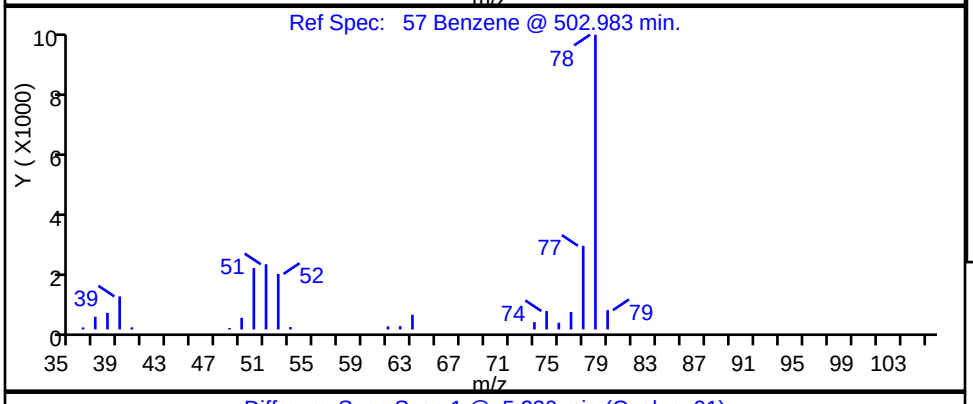
57 Benzene, CAS: 71-43-2

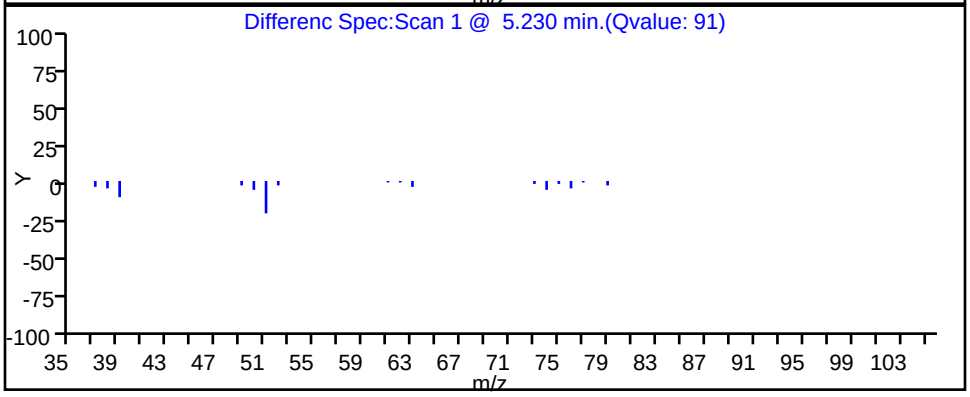












Report Date: 28-Sep-2014 19:42:39 Chrom Revision: 2.2 18-Aug-2014 12:17:36

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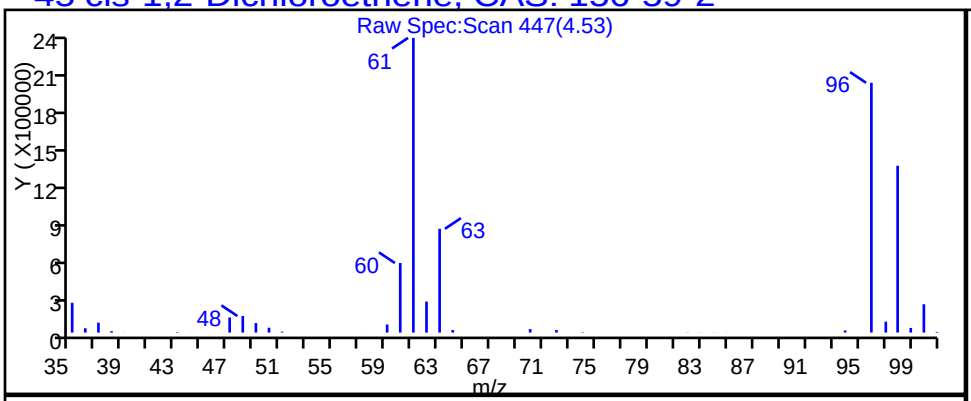
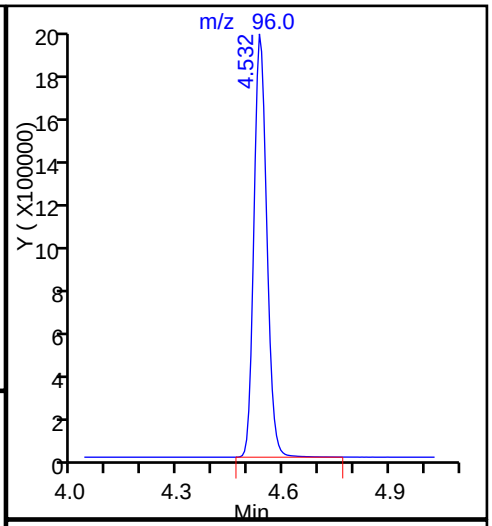
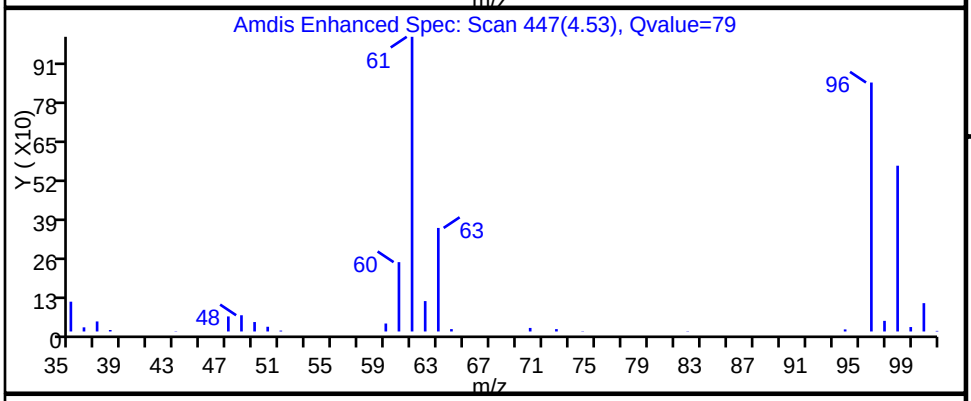
Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D

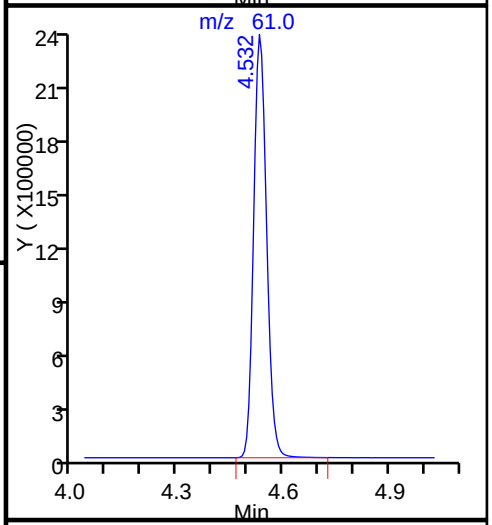
Injection Date:	18-Sep-2014 05:35:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-1-A	Lab Sample ID:	480-67484-1
Client ID:	MW-30 (1-4')		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

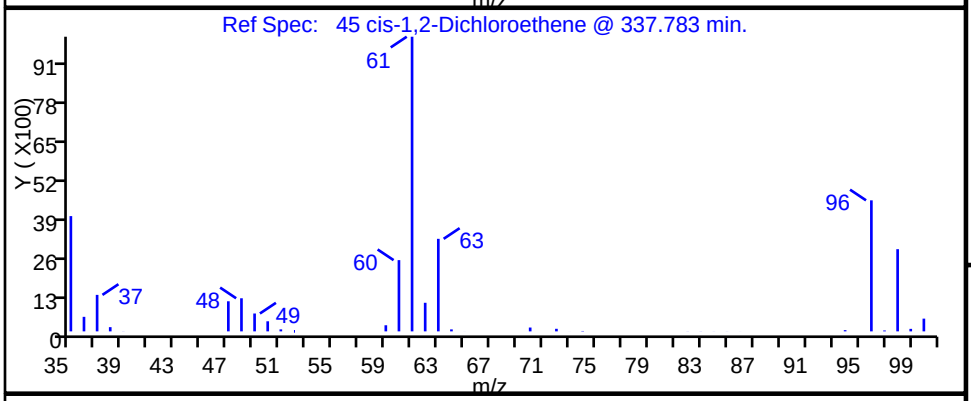
45 cis-1,2-Dichloroethene, CAS: 156-59-2

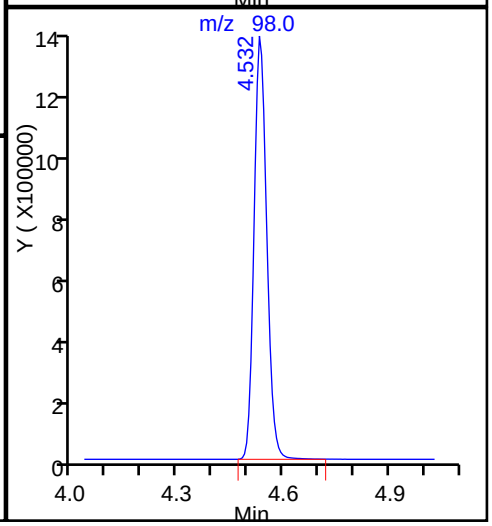


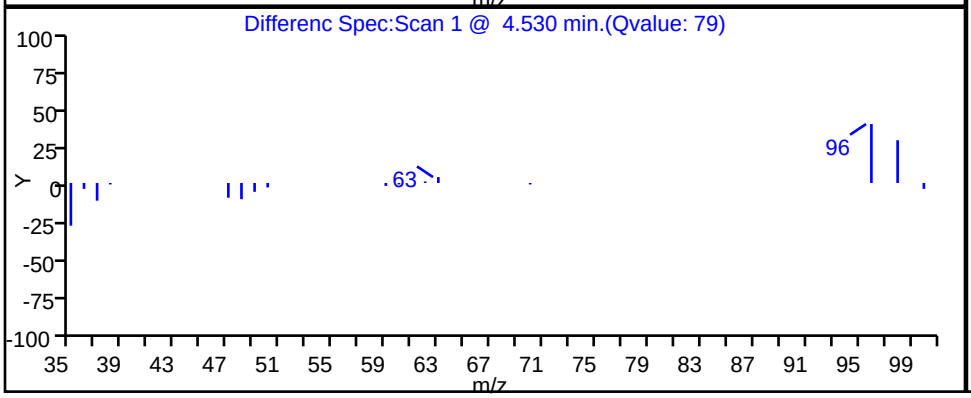












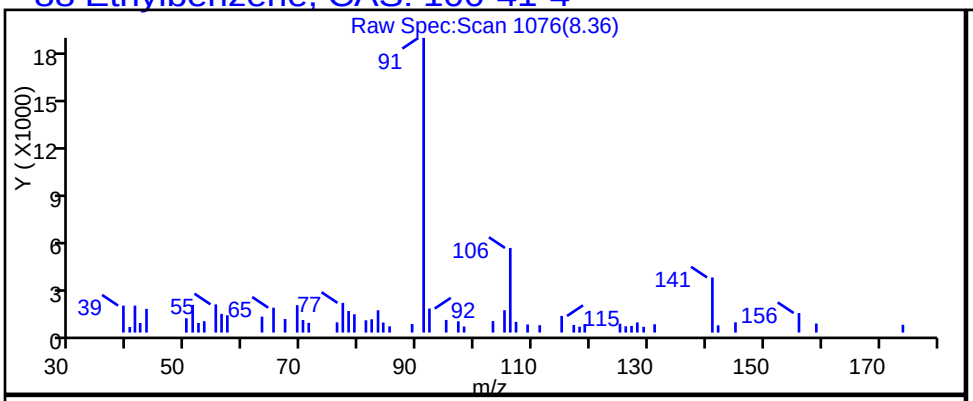
Report Date: 28-Sep-2014 19:42:39 Chrom Revision: 2.2 18-Aug-2014 12:17:36

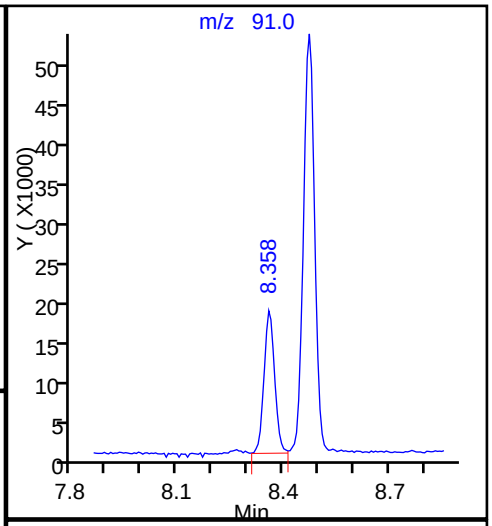
TestAmerica Buffalo

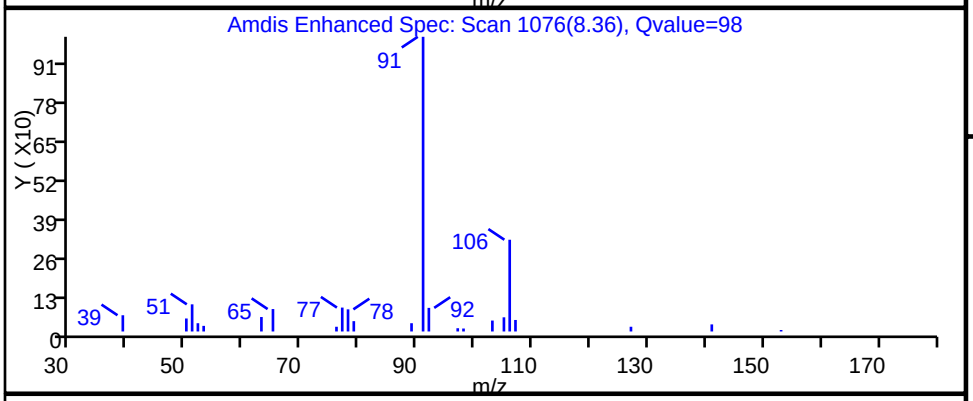
Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D

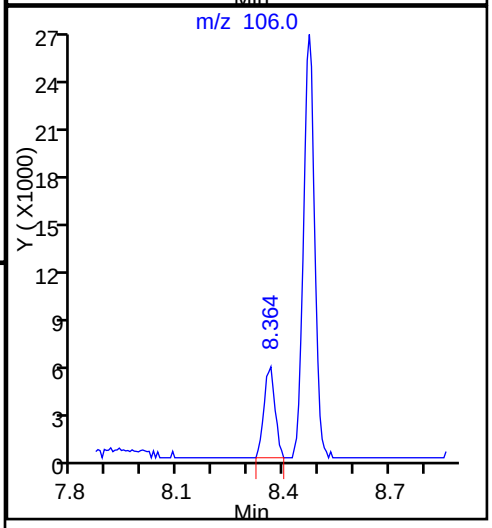
Injection Date:	18-Sep-2014 05:35:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-1-A	Lab Sample ID:	480-67484-1
Client ID:	MW-30 (1-4')		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

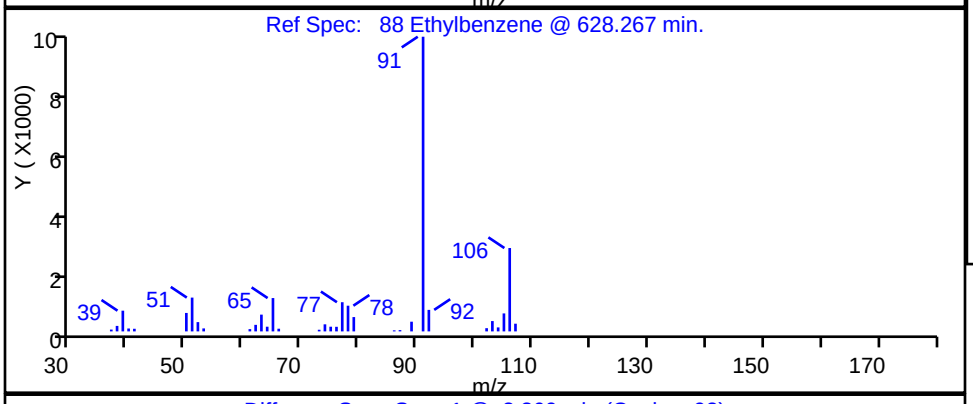
88 Ethylbenzene, CAS: 100-41-4

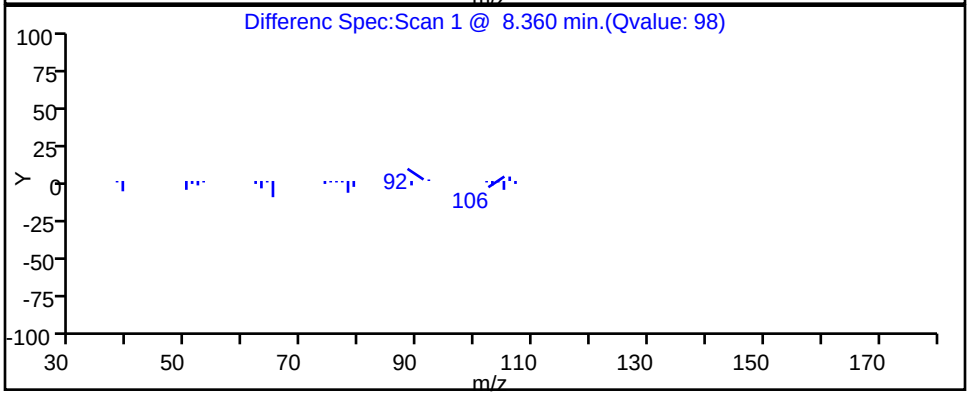












Report Date: 28-Sep-2014 19:42:39 Chrom Revision: 2.2 18-Aug-2014 12:17:36

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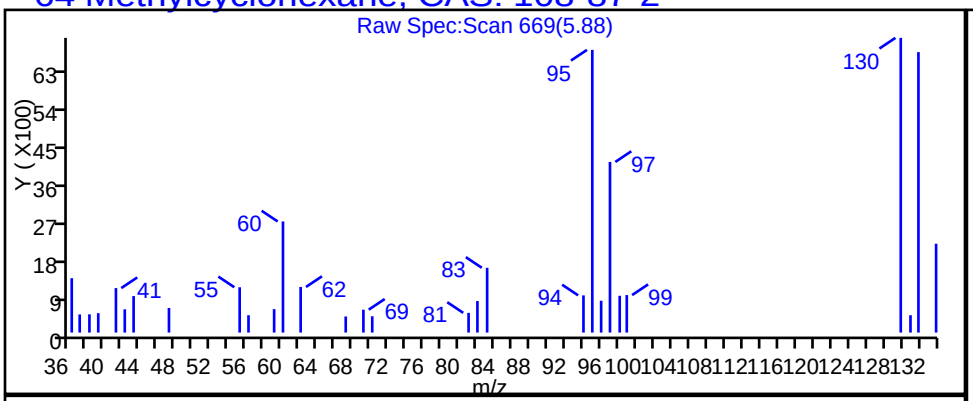
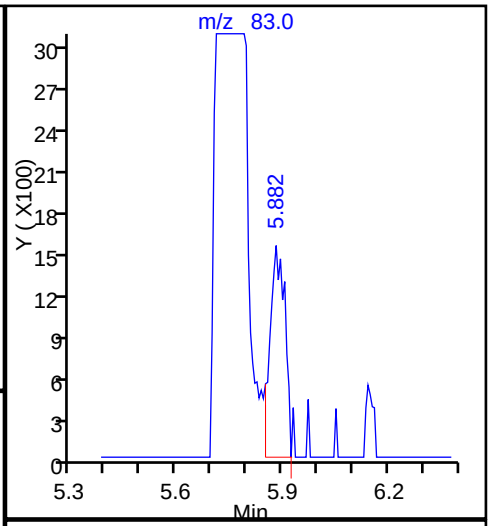
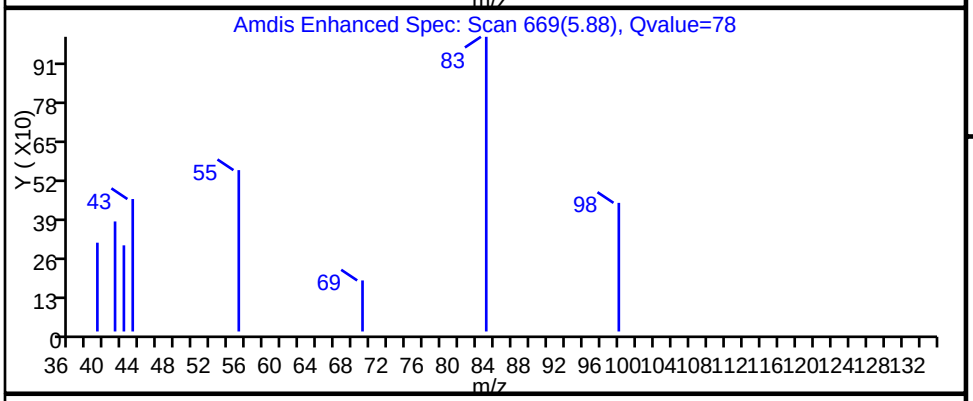
Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D

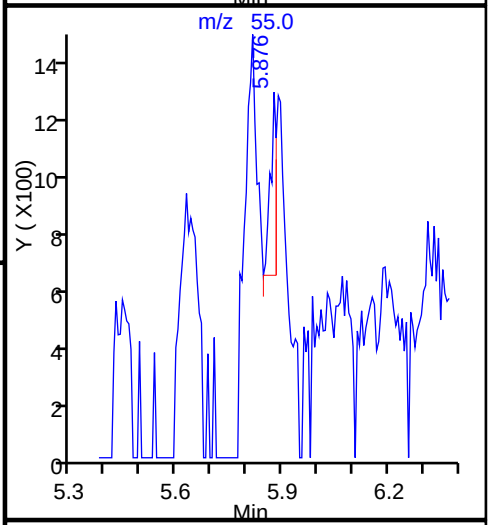
Injection Date:	18-Sep-2014 05:35:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-1-A	Lab Sample ID:	480-67484-1
Client ID:	MW-30 (1-4')		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

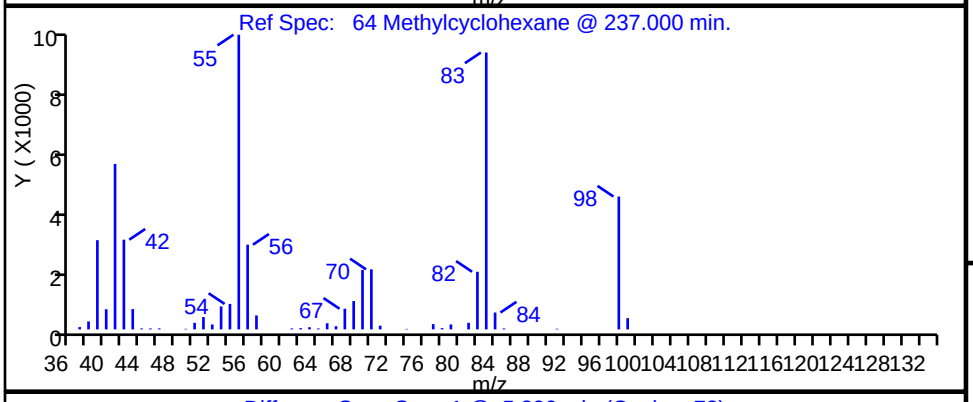
64 Methylcyclohexane, CAS: 108-87-2

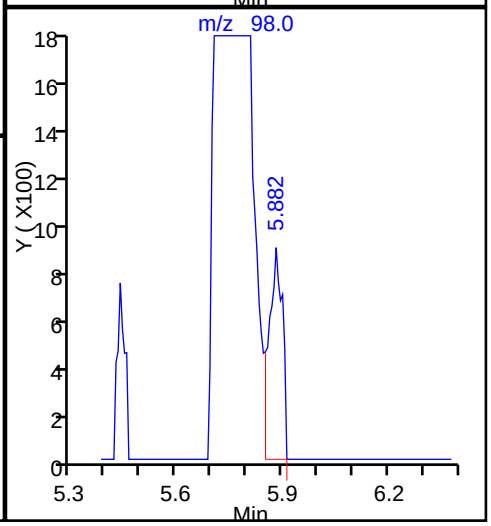


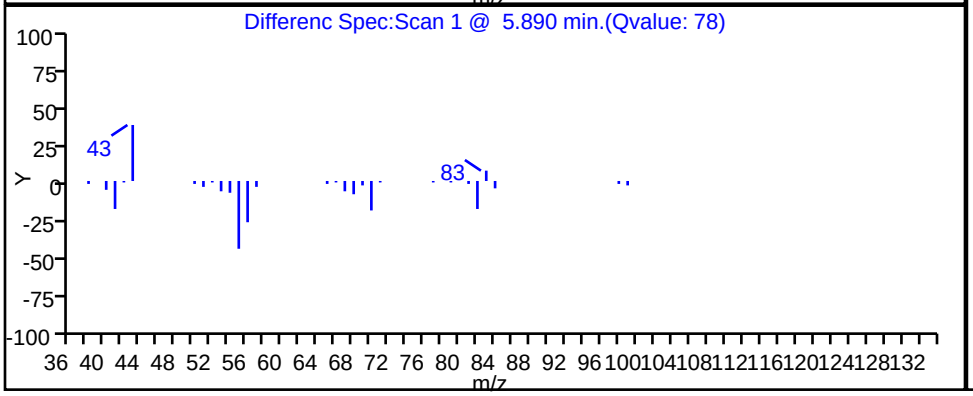












Report Date: 28-Sep-2014 19:42:39 Chrom Revision: 2.2 18-Aug-2014 12:17:36

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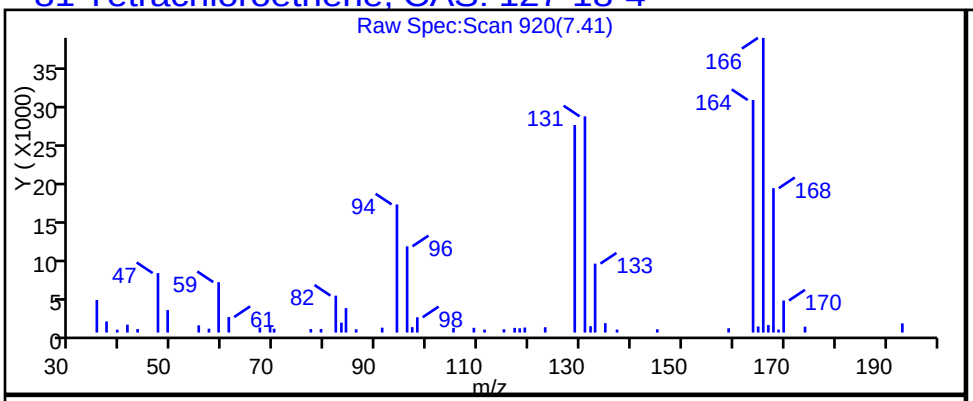
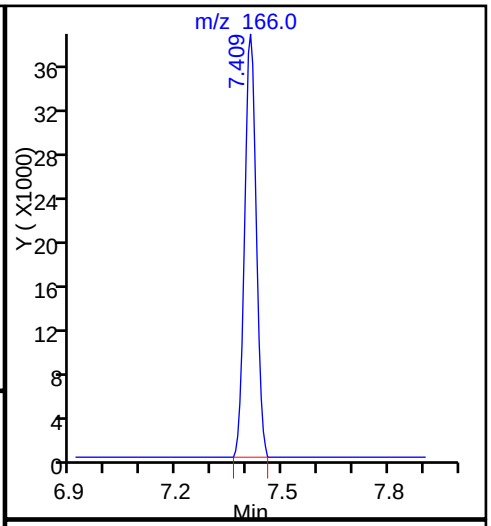
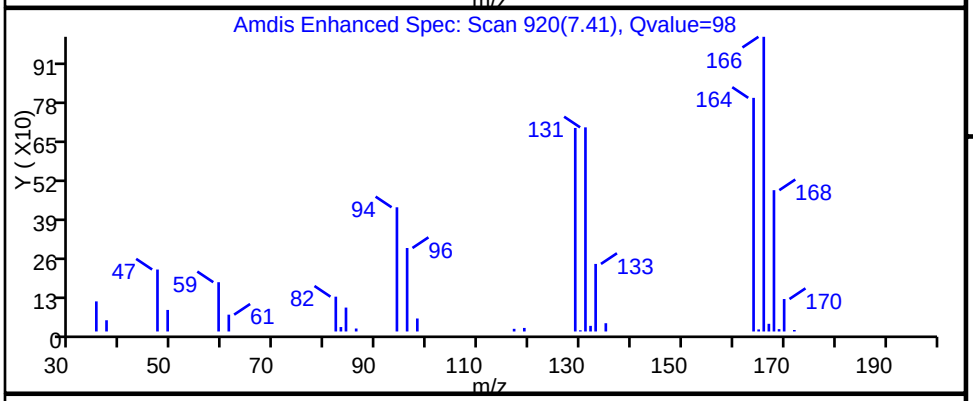
Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D

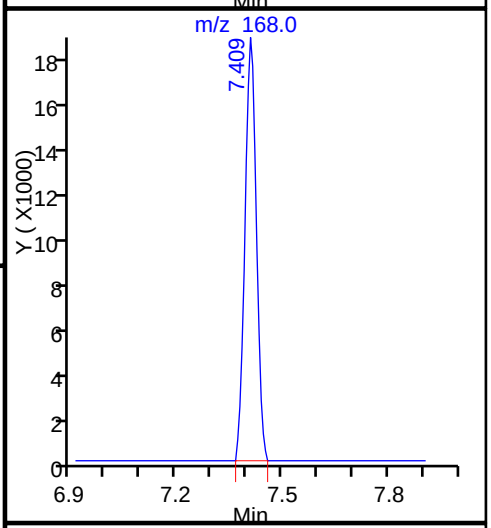
Injection Date:	18-Sep-2014 05:35:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-1-A	Lab Sample ID:	480-67484-1
Client ID:	MW-30 (1-4')		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

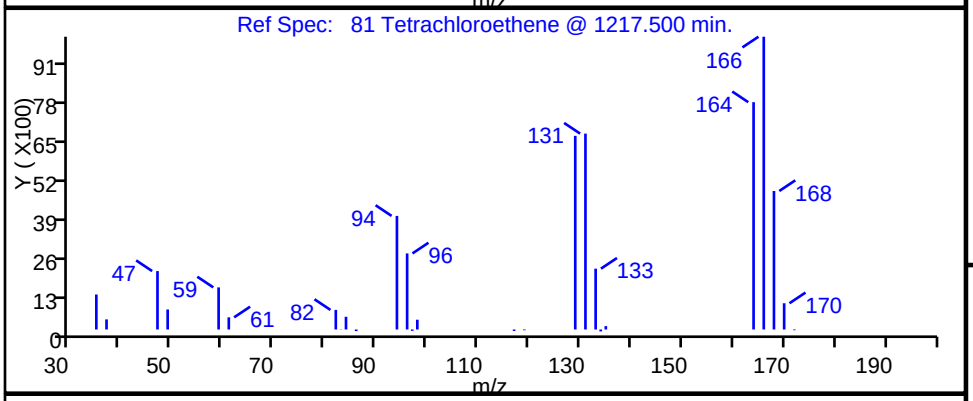
81 Tetrachloroethene, CAS: 127-18-4

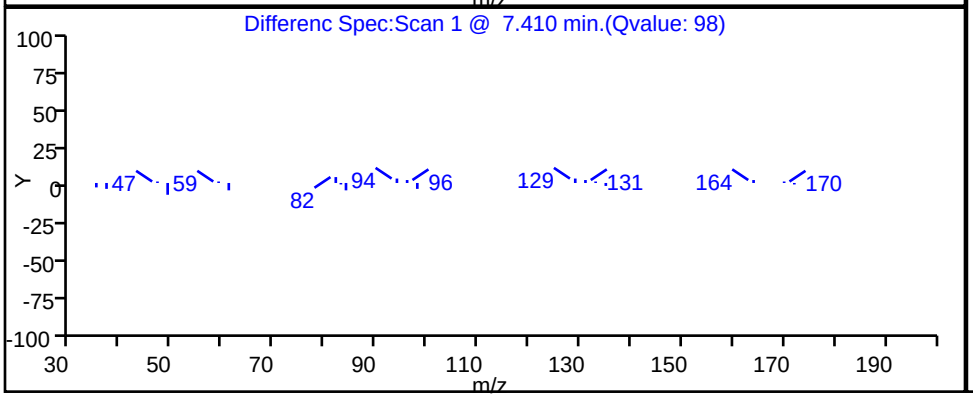


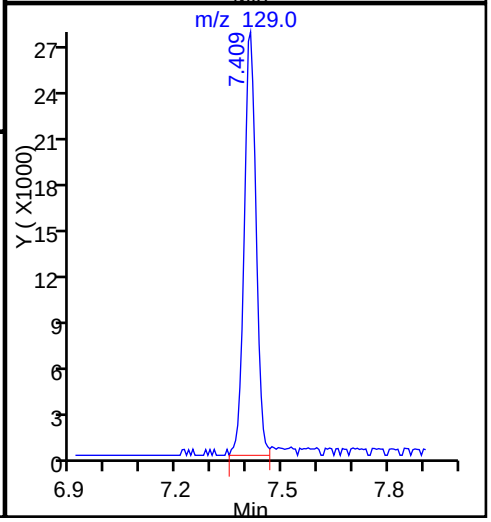












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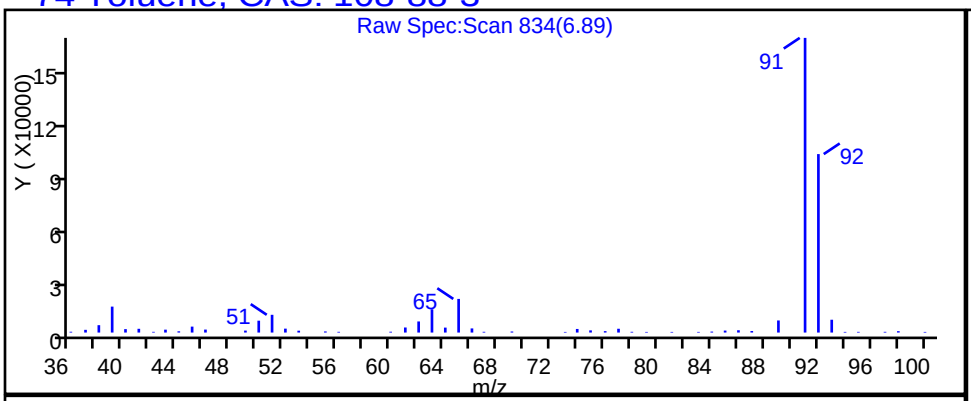
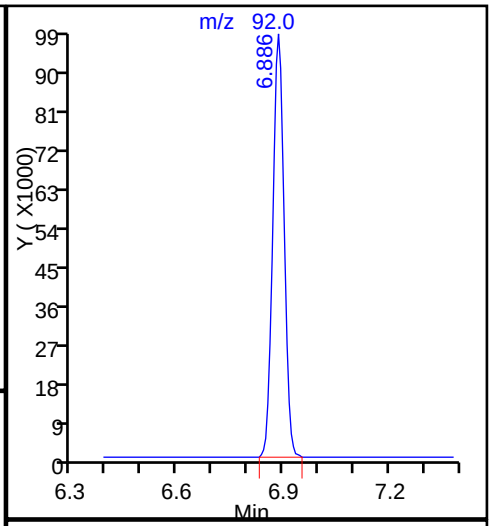
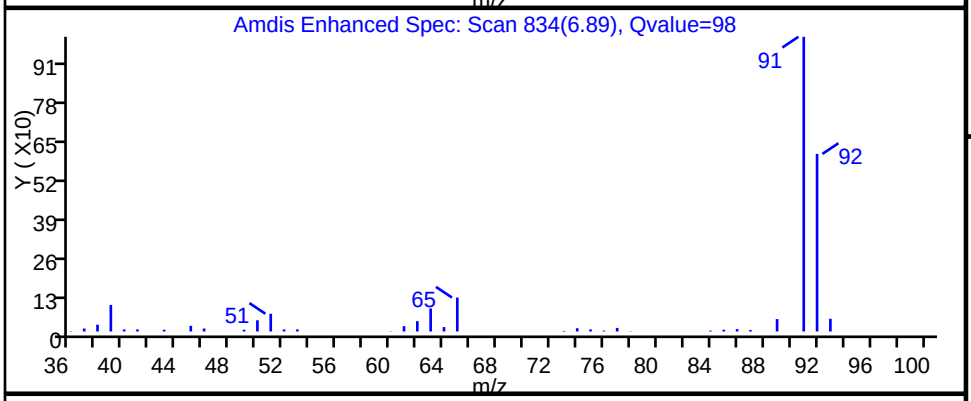
Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D

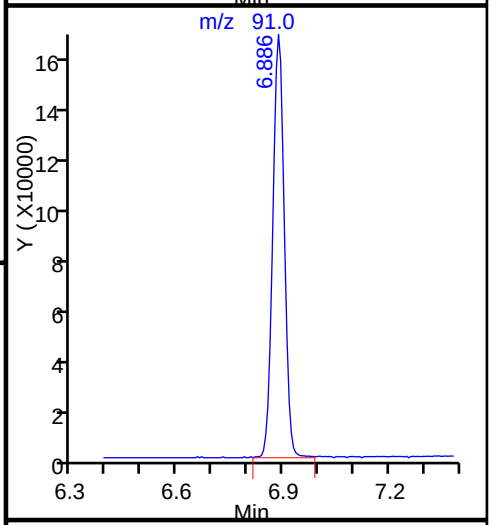
Injection Date:	18-Sep-2014 05:35:30	Instrument ID:	HP5973F		
Lims ID:	480-67484-A-1-A	Lab Sample ID:	480-67484-1		
Client ID:	MW-30 (1-4')				
Operator ID:	CDC	ALS Bottle#:	15	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

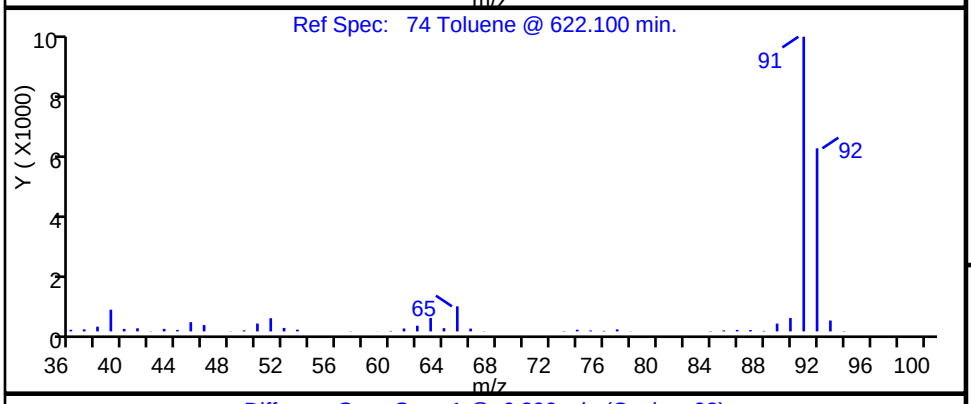
74 Toluene, CAS: 108-88-3

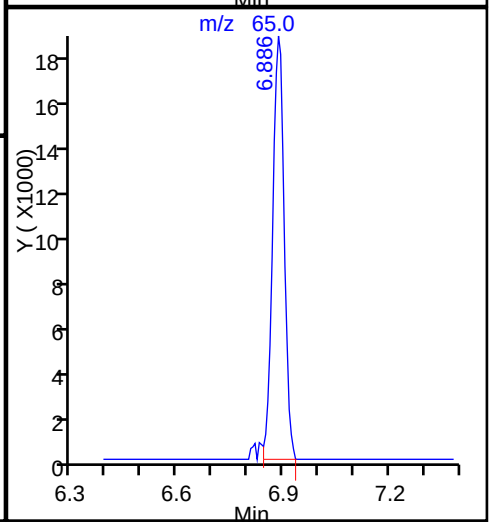


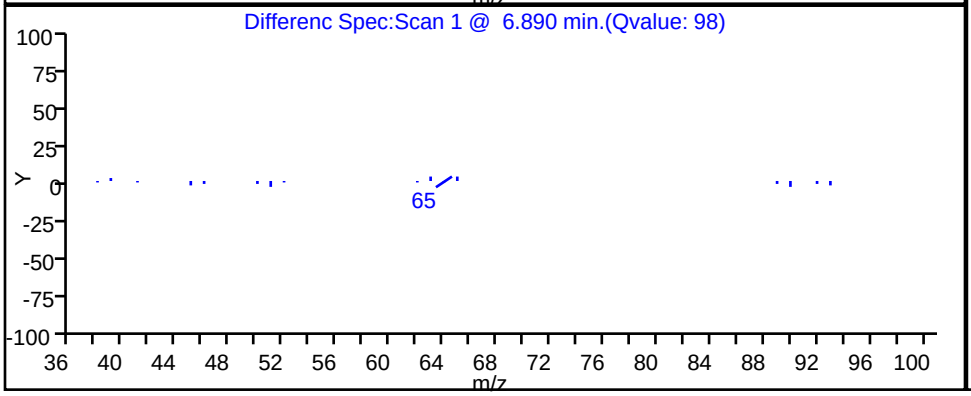






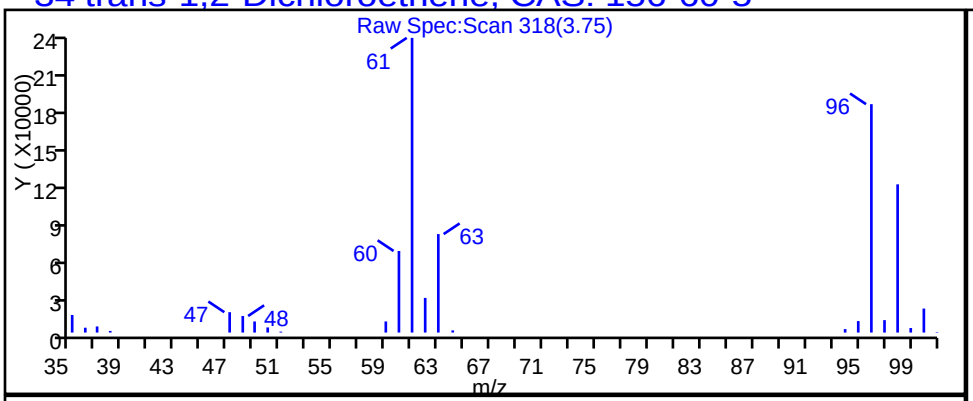


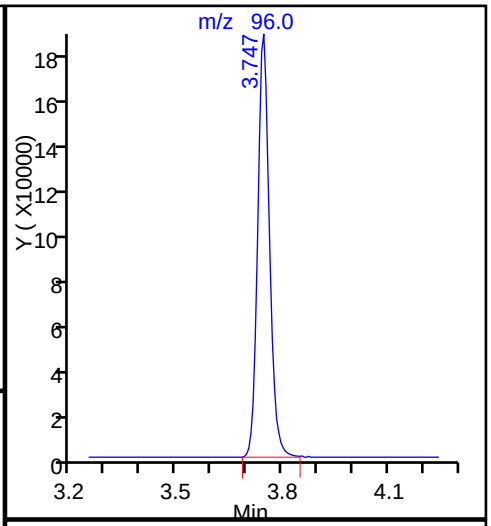


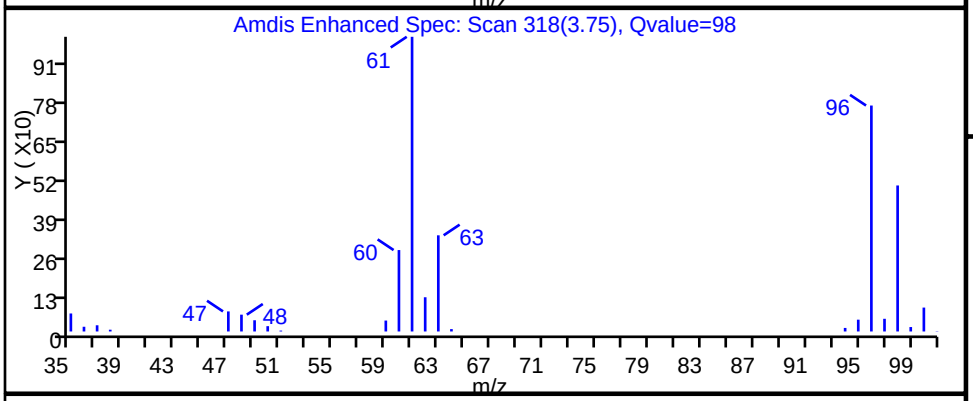


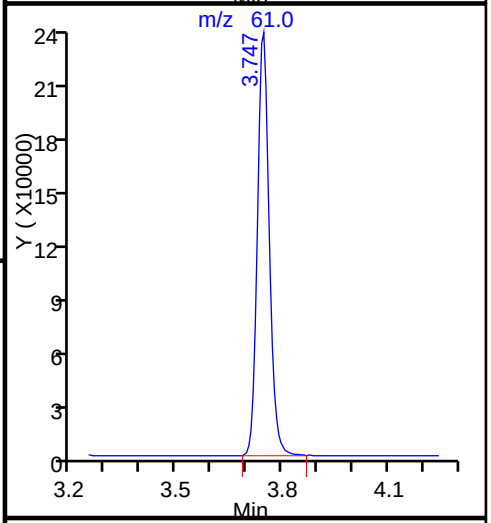
Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D
Injection Date: 18-Sep-2014 05:35:30 Instrument ID: HP5973F
Lims ID: 480-67484-A-1-A Lab Sample ID: 480-67484-1
Client ID: MW-30 (1-4')
Operator ID: CDC ALS Bottle#: 15 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

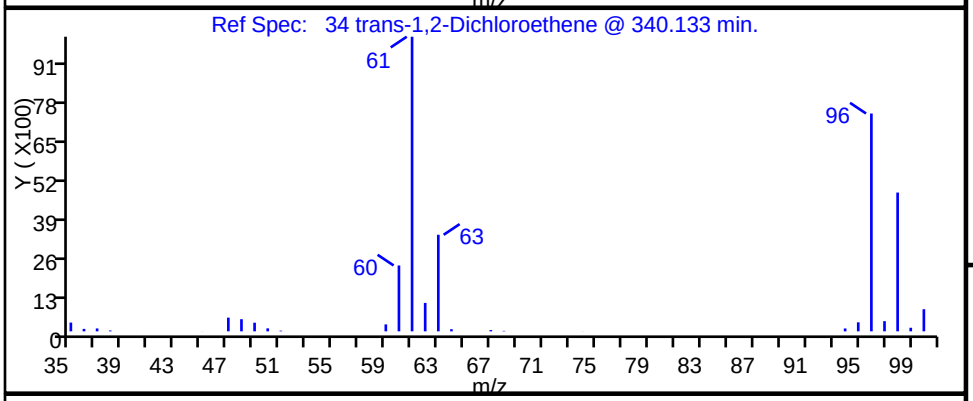
34 trans-1,2-Dichloroethene, CAS: 156-60-5

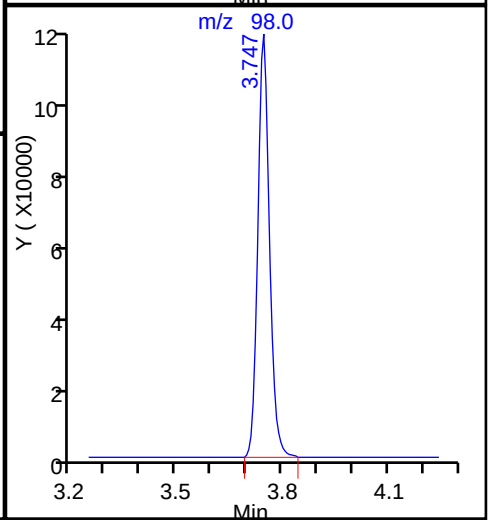


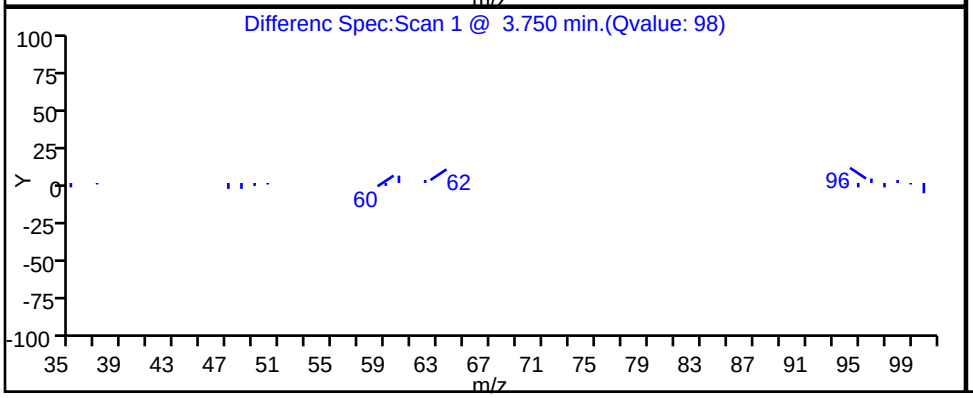












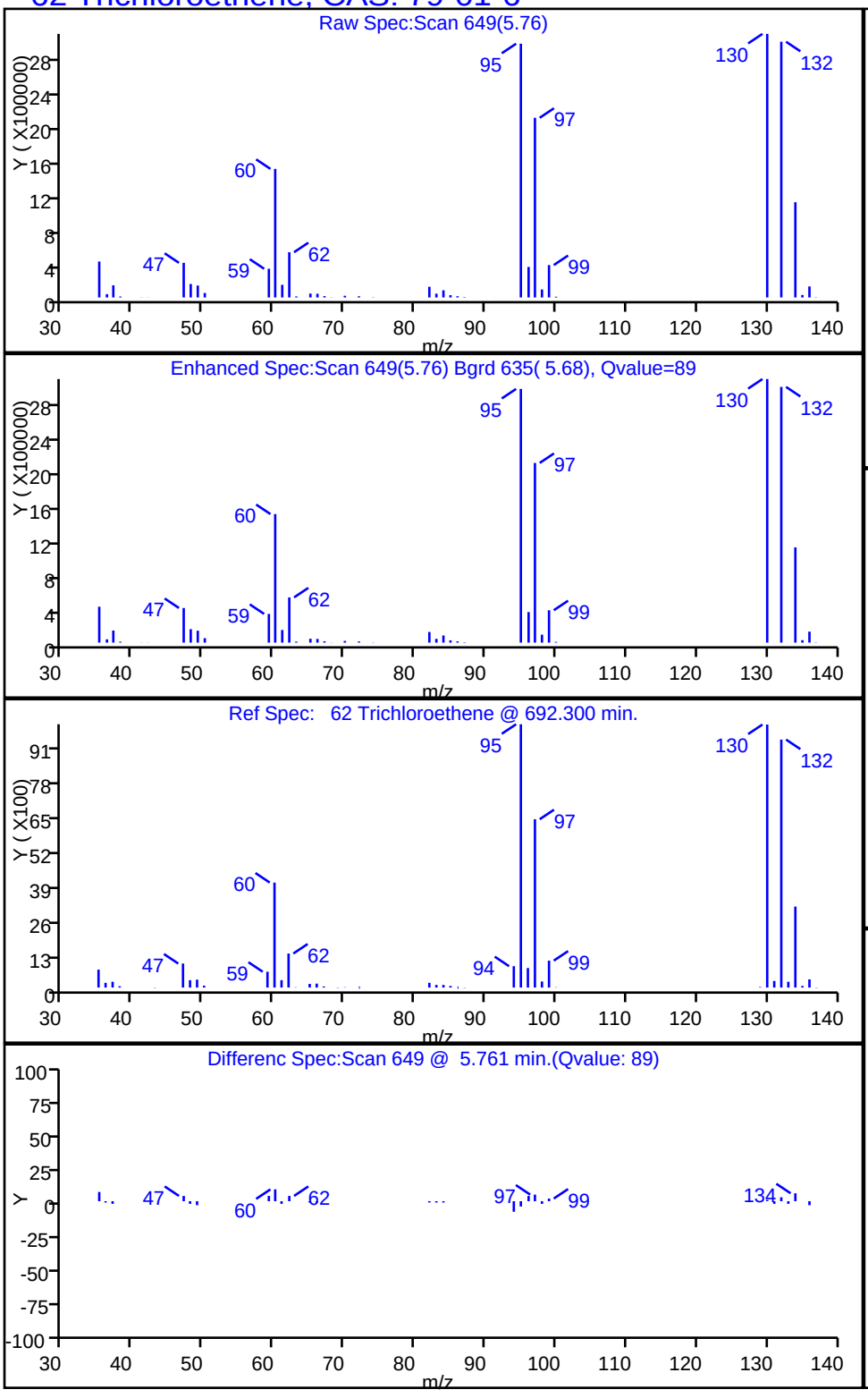
Report Date: 28-Sep-2014 19:42:39 Chrom Revision: 2.2 18-Aug-2014 12:17:36

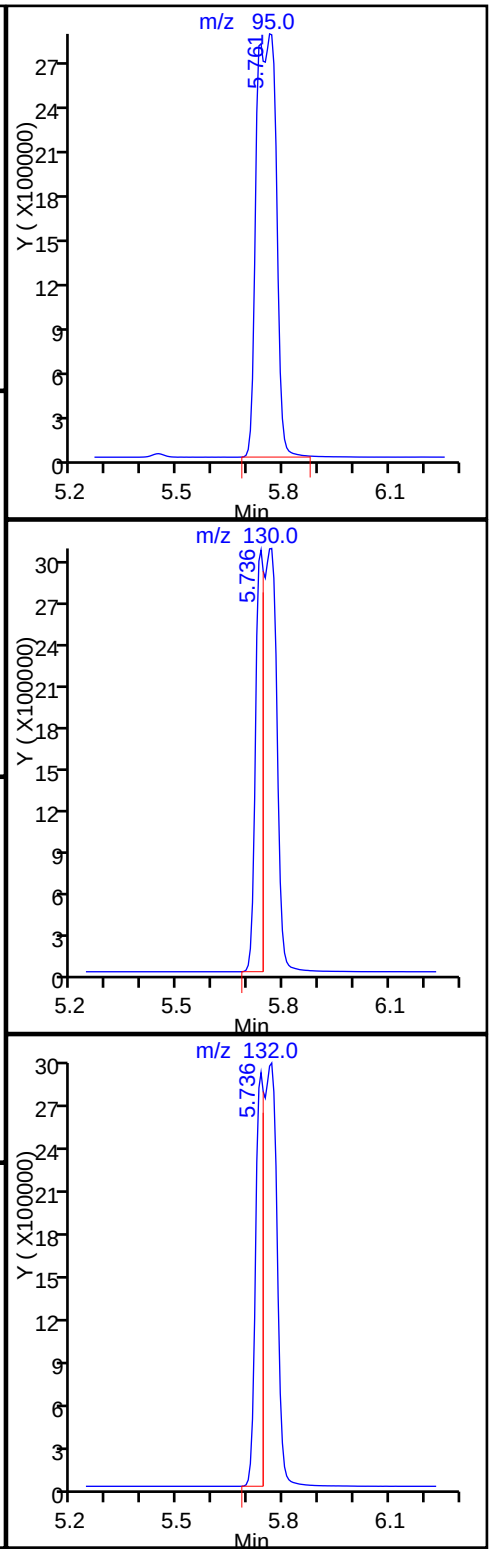
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D

Injection Date:	18-Sep-2014 05:35:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-1-A	Lab Sample ID:	480-67484-1
Client ID:	MW-30 (1-4')		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6

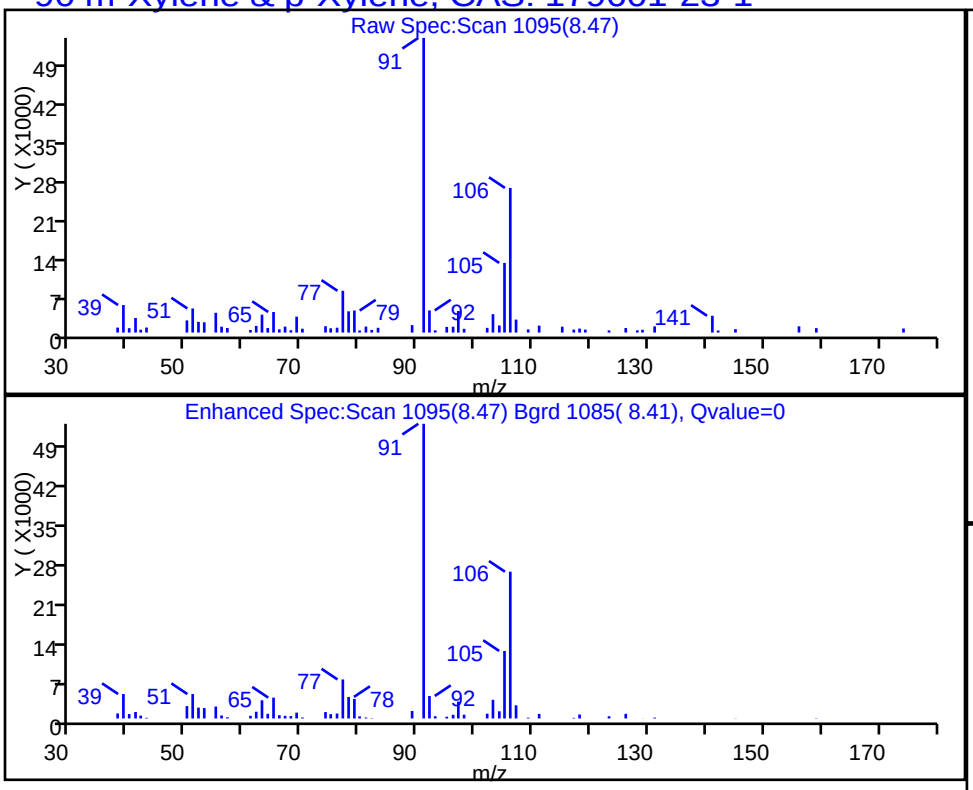


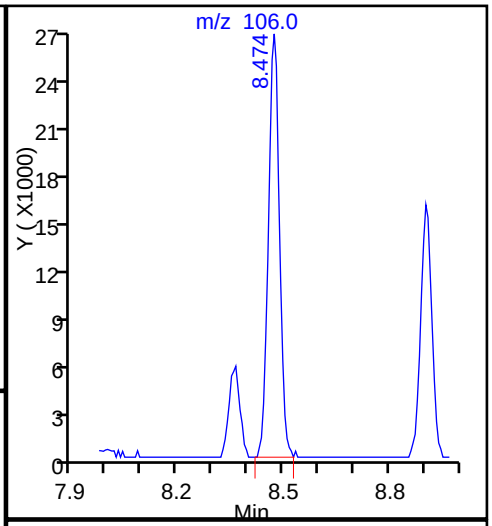


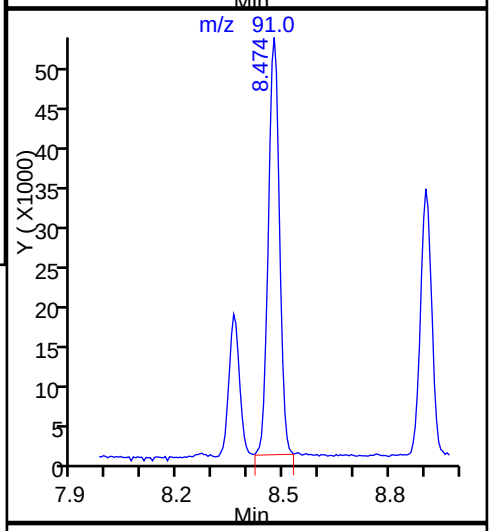
TestAmerica Buffalo

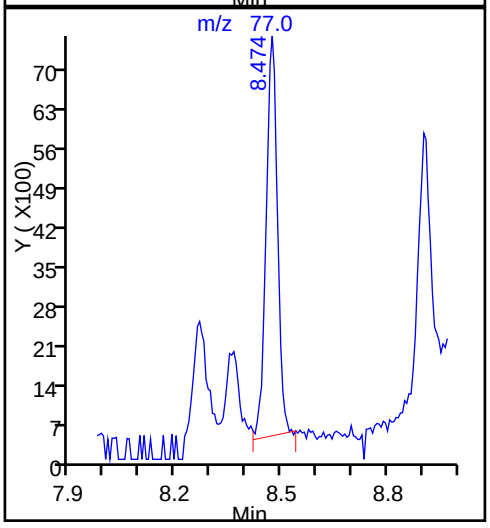
Data File:	\\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D				
Injection Date:	18-Sep-2014 05:35:30	Instrument ID:	HP5973F		
Lims ID:	480-67484-A-1-A	Lab Sample ID:	480-67484-1		
Client ID:	MW-30 (1-4')				
Operator ID:	CDC	ALS Bottle#:	15	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

90 m-Xylene & p-Xylene, CAS: 179601-23-1









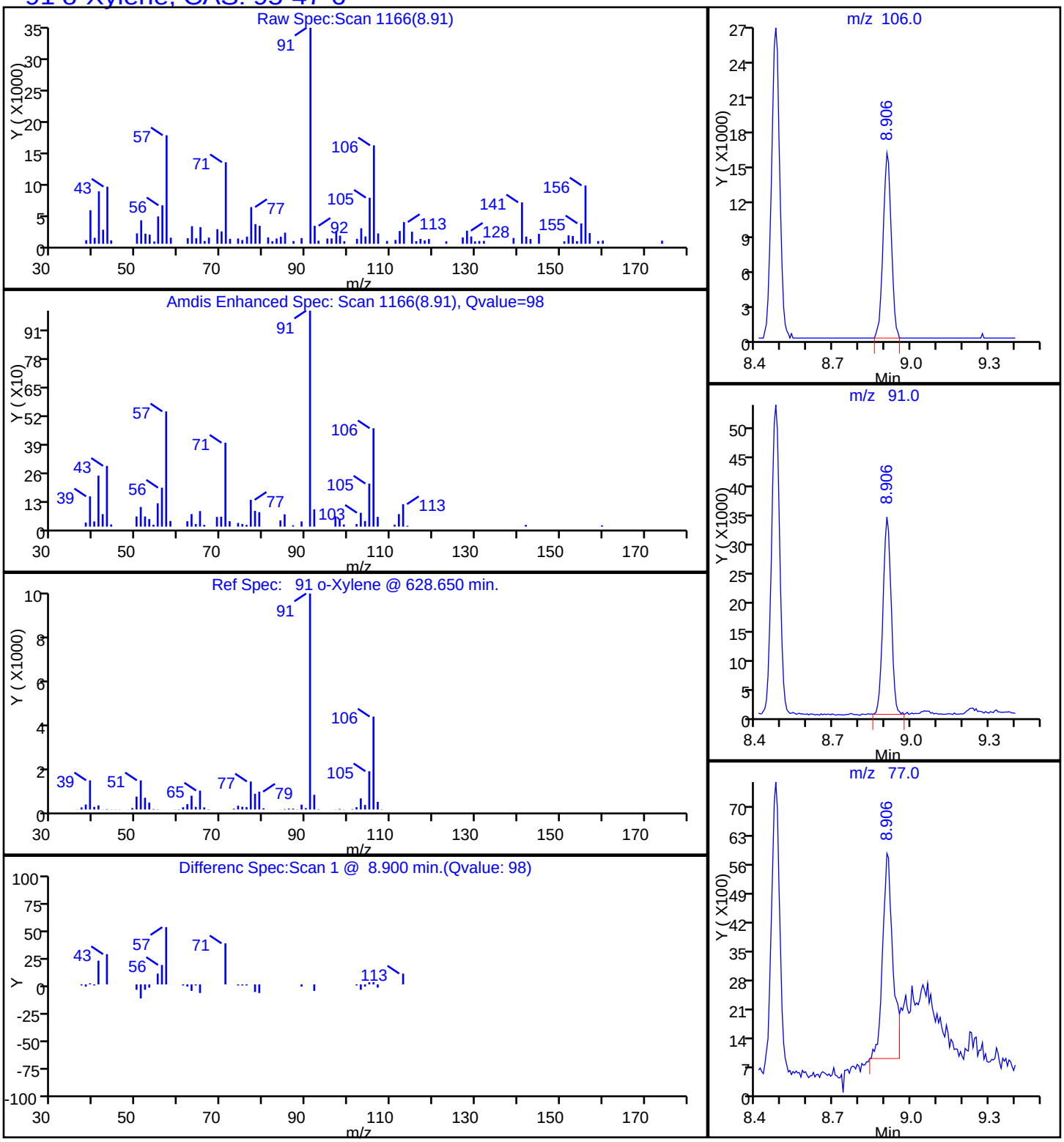
Report Date: 28-Sep-2014 19:42:39 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D

Injection Date:	18-Sep-2014 05:35:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-1-A	Lab Sample ID:	480-67484-1
Client ID:	MW-30 (1-4')		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

91 o-Xylene, CAS: 95-47-6



Manual Integration/User Assign Peak Report

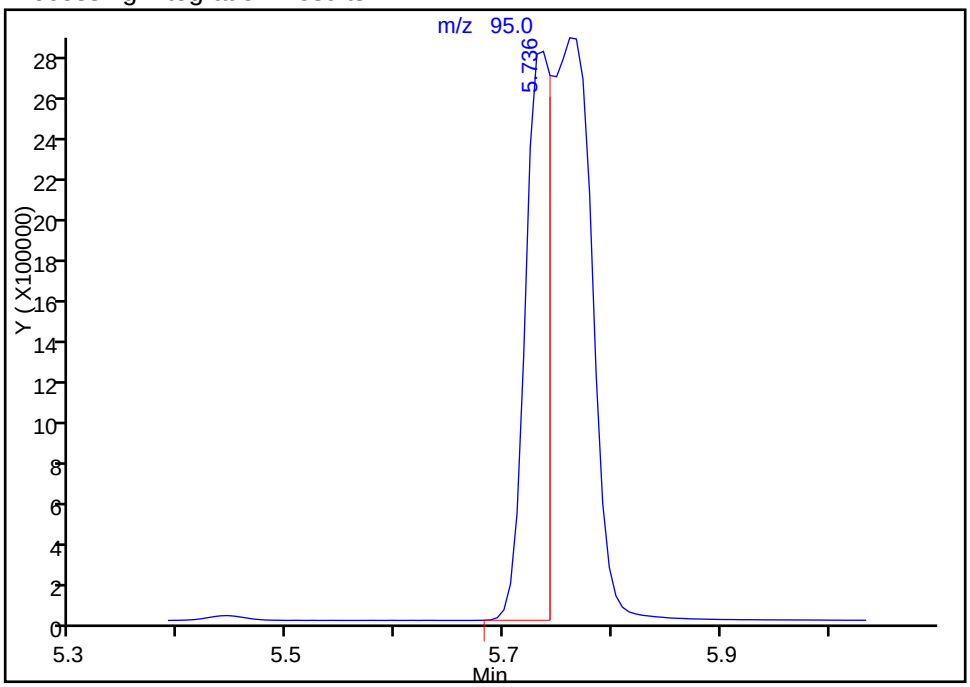
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2196.D				
Injection Date:	18-Sep-2014 05:35:30	Instrument ID:	HP5973F		
Lims ID:	480-67484-A-1-A	Lab Sample ID:	480-67484-1		
Client ID:	MW-30 (1-4')				
Operator ID:	CDC	ALS Bottle#:	15	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6

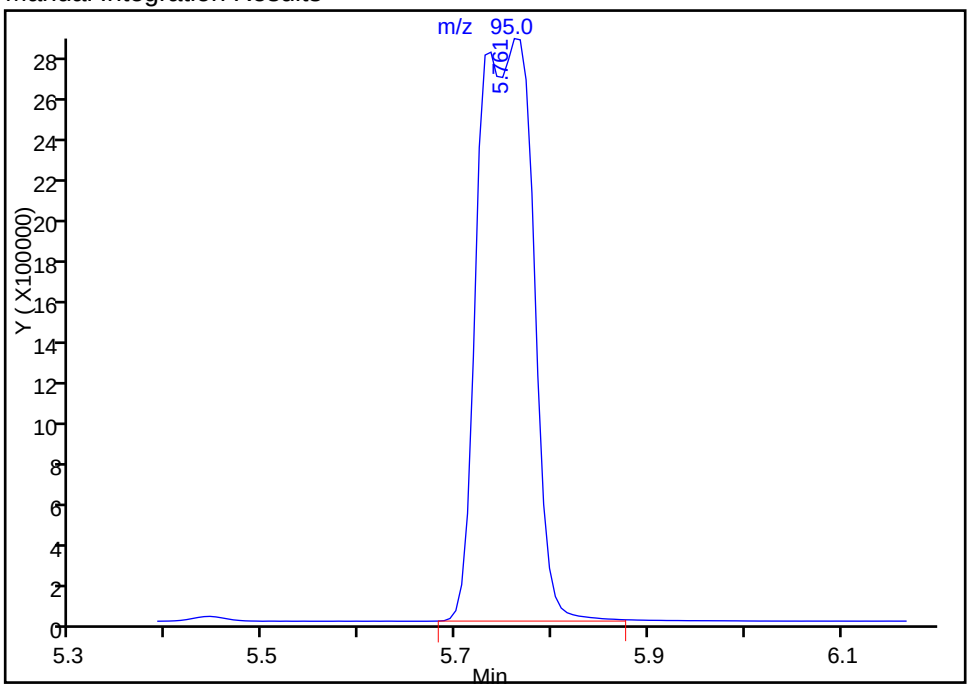
Processing Integration Results

RT: 5.74
Response: 4665381
Amount: 1364.3539



Manual Integration Results

RT: 5.76
Response: 11425964
Amount: 3341.4331



Reviewer: gigliad, 28-Sep-2014 19:42:38
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: MW-30 (1-4') DL | Lab Sample ID: 480-67484-1 DL

Matrix: Solid | Lab File ID: G34300.D

Analysis Method: 8260C | Date Collected: 09/11/2014 11:00

Sample wt/vol: 5.25(g) | Date Analyzed: 09/25/2014 16:23

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Medium

Analysis Batch No.: 204342 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2200	600
79-34-5	1,1,2,2-Tetrachloroethane	ND		2200	350
79-00-5	1,1,2-Trichloroethane	ND		2200	450
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2200	1100
75-34-3	1,1-Dichloroethane	ND		2200	670
75-35-4	1,1-Dichloroethene	ND		2200	750
120-82-1	1,2,4-Trichlorobenzene	ND		2200	820
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2200	1100
106-93-4	1,2-Dibromoethane	ND		2200	380
95-50-1	1,2-Dichlorobenzene	ND		2200	550
107-06-2	1,2-Dichloroethane	ND		2200	880
78-87-5	1,2-Dichloropropane	ND		2200	350
541-73-1	1,3-Dichlorobenzene	ND		2200	580
106-46-7	1,4-Dichlorobenzene	ND		2200	300
591-78-6	2-Hexanone	ND		11000	4400
78-93-3	2-Butanone (MEK)	ND		11000	6400
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		11000	690
67-64-1	Acetone	ND		11000	8900
71-43-2	Benzene	ND		2200	410
75-27-4	Bromodichloromethane	ND		2200	430
75-25-2	Bromoform	ND		2200	1100
74-83-9	Bromomethane	ND		2200	480
75-15-0	Carbon disulfide	ND		2200	980
56-23-5	Carbon tetrachloride	ND		2200	550
108-90-7	Chlorobenzene	ND		2200	290
124-48-1	Dibromochloromethane	ND		2200	1000
75-00-3	Chloroethane	ND		2200	450
67-66-3	Chloroform	ND		2200	1500
74-87-3	Chloromethane	ND		2200	510
156-59-2	cis-1,2-Dichloroethene	7000		2200	600
10061-01-5	cis-1,3-Dichloropropene	ND		2200	520
110-82-7	Cyclohexane	ND		2200	480
75-71-8	Dichlorodifluoromethane	ND		2200	940
100-41-4	Ethylbenzene	ND		2200	630
98-82-8	Isopropylbenzene	ND		2200	320

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: MW-30 (1-4') DL | Lab Sample ID: 480-67484-1 DL

Matrix: Solid | Lab File ID: G34300.D

Analysis Method: 8260C | Date Collected: 09/11/2014 11:00

Sample wt/vol: 5.25(g) | Date Analyzed: 09/25/2014 16:23

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Medium

Analysis Batch No.: 204342 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2200	1000
1634-04-4	Methyl tert-butyl ether	ND		2200	820
108-87-2	Methylcyclohexane	ND		2200	1000
75-09-2	Methylene Chloride	ND		2200	430
100-42-5	Styrene	ND		2200	520
127-18-4	Tetrachloroethene	ND		2200	290
108-88-3	Toluene	ND		2200	580
156-60-5	trans-1,2-Dichloroethene	520	J	2200	510
10061-02-6	trans-1,3-Dichloropropene	ND		2200	210
79-01-6	Trichloroethene	62000		2200	600
75-69-4	Trichlorofluoromethane	ND		2200	1000
75-01-4	Vinyl chloride	ND		2200	720
1330-20-7	Xylenes, Total	ND		4300	360

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		53-146
2037-26-5	Toluene-d8 (Surr)	96		50-149
460-00-4	4-Bromofluorobenzene (Surr)	98		49-148

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34300.D
Lims ID: 480-67484-A-1-B Lab Sample ID: 480-67484-1
Client ID: MW-30 (1-4')
Sample Type: Client
Inject. Date: 25-Sep-2014 16:23:30 ALS Bottle#: 75 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-67484-A-1-B
Misc. Info.: 480-0035718-009480-0035718-009
Operator ID: CN Instrument ID: HP5973G

Method: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Sep-2014 16:13:15 Calib Date: 24-Sep-2014 10:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34248.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: goliszekg Date: 25-Sep-2014 20:45:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.578	5.584	-0.006	98	167703	25.0	
* 2 Chlorobenzene-d5	82	8.577	8.577	0.000	89	354692	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.948	10.955	-0.007	98	294196	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.291	5.297	-0.006	0	7491	1.35	
$ 5 Toluene-d8 (Surr)	98	7.096	7.096	0.000	92	37970	1.14	
$ 6 4-Bromofluorobenzene (Surr	174	9.821	9.821	0.000	83	10633	1.18	
10 Dichlorodifluoromethane	85		1.414				ND	
12 Chloromethane	50	1.578	1.572	0.006	36	1454	0.1332	
13 Vinyl chloride	62		1.688				ND	
14 Bromomethane	94		1.987				ND	
15 Chloroethane	64		2.127				ND	
17 Trichlorofluoromethane	101		2.347				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.859				ND	
20 1,1-Dichloroethene	96		2.865				ND	
22 Acetone	43	2.938	2.926	0.012	74	1570	0.4691	
24 Carbon disulfide	76		3.060				ND	
28 Methyl acetate	43		3.224				ND	
29 Methylene Chloride	84	3.389	3.377	0.012	48	2161	0.1880	
31 Methyl tert-butyl ether	73		3.554				ND	
32 trans-1,2-Dichloroethene	96	3.566	3.566	0.000	91	2195	0.2413	
36 1,1-Dichloroethane	63		3.974				ND	
43 cis-1,2-Dichloroethene	96	4.529	4.523	0.006	82	27534	3.22	
44 2-Butanone (MEK)	43		4.553				ND	
50 Chloroform	85		4.834				ND	
51 1,1,1-Trichloroethane	97		4.962				ND	
52 Cyclohexane	56		4.986				ND	
53 Carbon tetrachloride	117		5.108				ND	
56 Benzene	78		5.316				ND	
57 1,2-Dichloroethane	62		5.364				ND	
61 Trichloroethene	95	5.925	5.925	0.000	98	238628	28.6	M
62 Methylcyclohexane	83		6.065				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.157				ND	
67 Dichlorobromomethane	83		6.437				ND	
72 cis-1,3-Dichloropropene	75		6.858				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.998				ND	
74 Toluene	92	7.163	7.163	0.000	96	4639	0.2158	
76 trans-1,3-Dichloropropene	75		7.419				ND	
79 1,1,2-Trichloroethane	83		7.608				ND	
80 Tetrachloroethene	166	7.705	7.705	0.000	82	860	0.1045	
82 2-Hexanone	43		7.839				ND	
83 Chlorodibromomethane	129		8.010				ND	
84 Ethylene Dibromide	107		8.120				ND	
86 Chlorobenzene	112		8.608				ND	
89 Ethylbenzene	91		8.699				ND	
90 m-Xylene & p-Xylene	106	8.833	8.821	0.012	93	1488	0.0920	
91 o-Xylene	106		9.254				ND	
92 Styrene	104		9.278				ND	
93 Bromoform	173		9.516				ND	
95 Isopropylbenzene	105		9.632				ND	
98 1,1,2,2-Tetrachloroethane	83		10.004				ND	
110 1,3-Dichlorobenzene	146		10.888				ND	
113 1,4-Dichlorobenzene	146		10.973				ND	
116 1,2-Dichlorobenzene	146		11.320				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.040				ND	
119 1,2,4-Trichlorobenzene	180		12.729				ND	
S 124 Xylenes, Total	1				0		0.0920	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

G_8260_IS_00065 Amount Added: 1.00 Units: uL

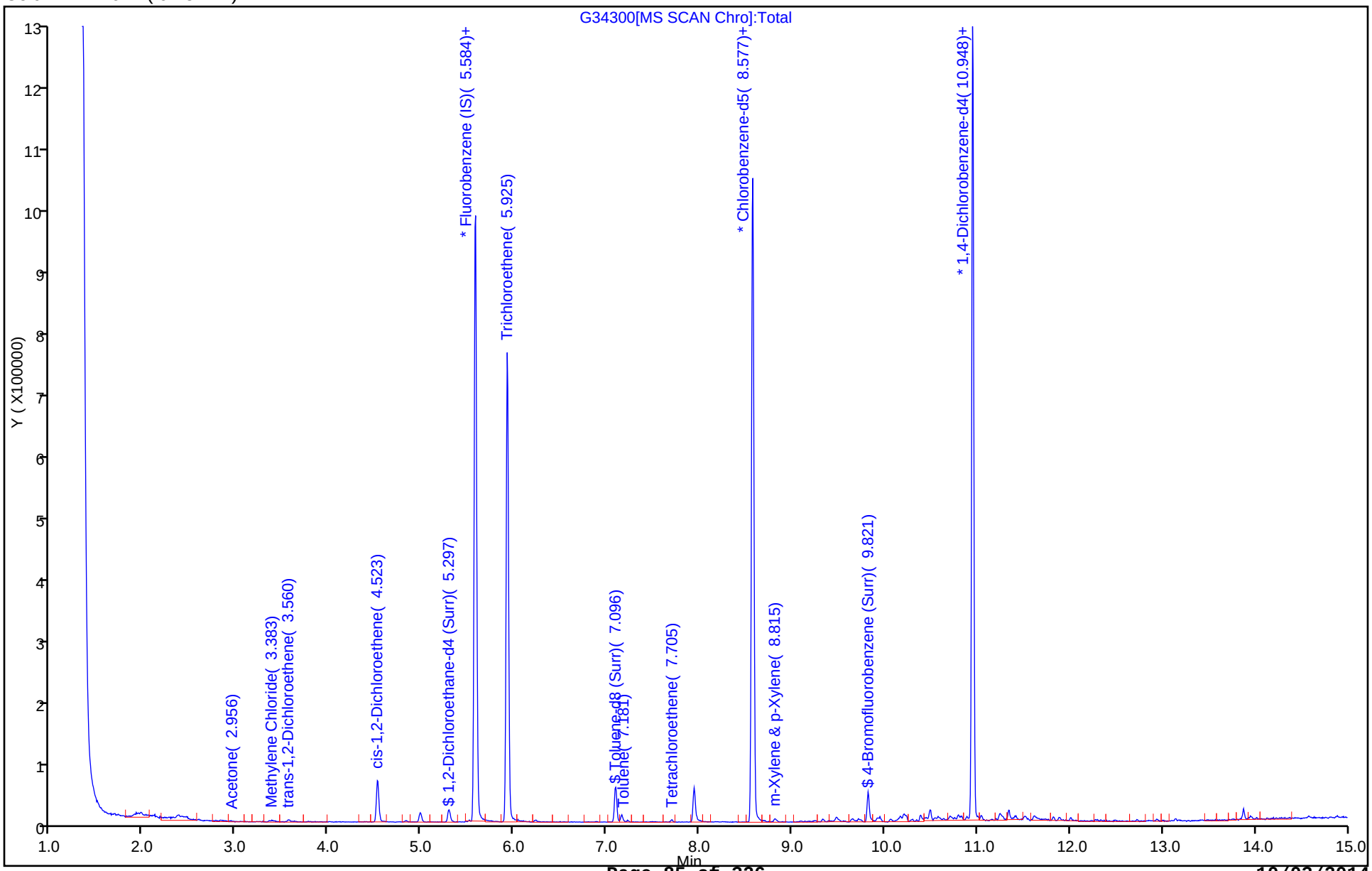
Report Date: 26-Sep-2014 16:13:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34300.D

Injection Date:	25-Sep-2014 16:23:30	Instrument ID:	HP5973G	Operator ID:	CN
Lims ID:	480-67484-A-1-B	Lab Sample ID:	480-67484-1	Worklist Smp#:	9
Client ID:	MW-30 (1-4')				
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	75
Method:	G-8260	Limit Group:	MV - 8260C ICAL		

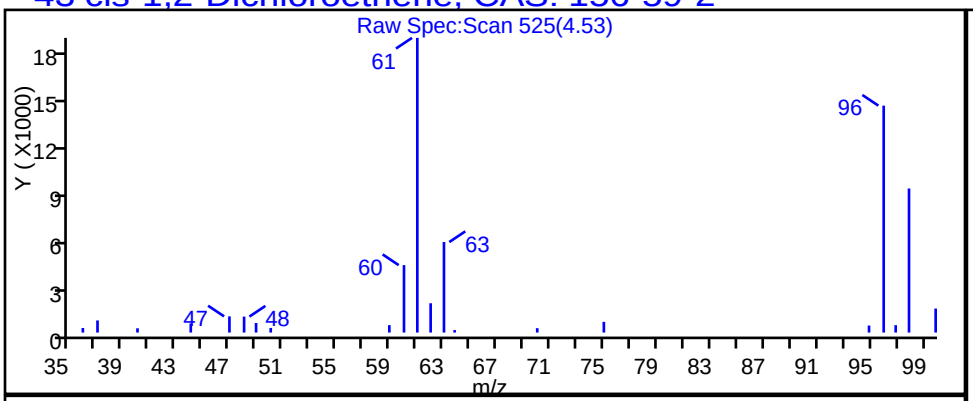
Column: ZB-624 (0.25 mm)

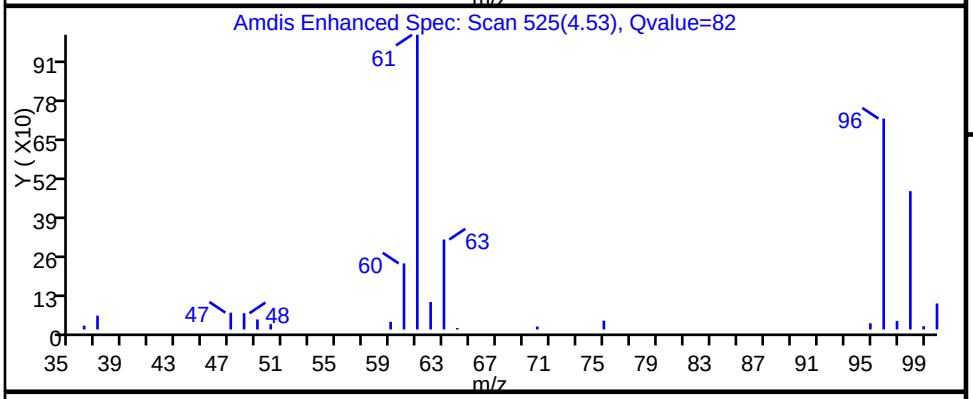


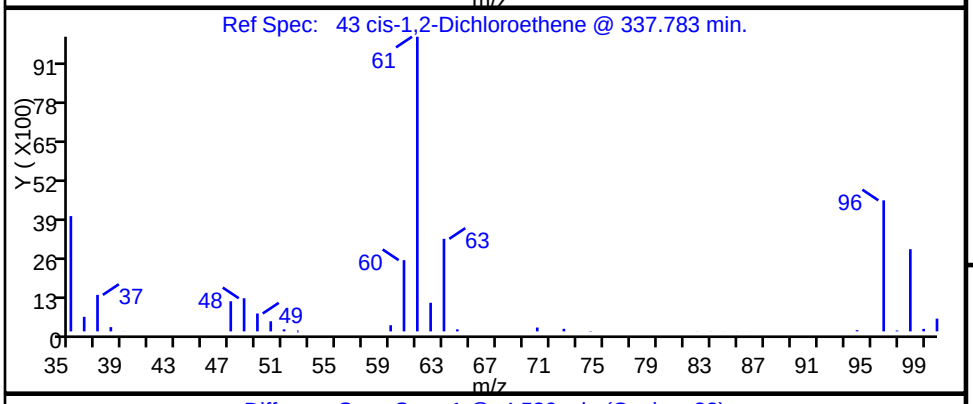
TestAmerica Buffalo

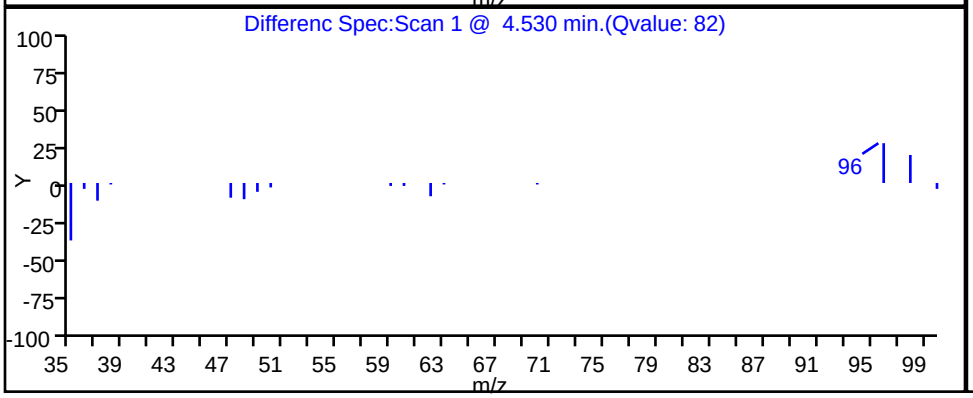
Data File:	\\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34300.D				
Injection Date:	25-Sep-2014 16:23:30	Instrument ID:	HP5973G		
Lims ID:	480-67484-A-1-B	Lab Sample ID:	480-67484-1		
Client ID:	MW-30 (1-4')				
Operator ID:	CN	ALS Bottle#:	75	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	G-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

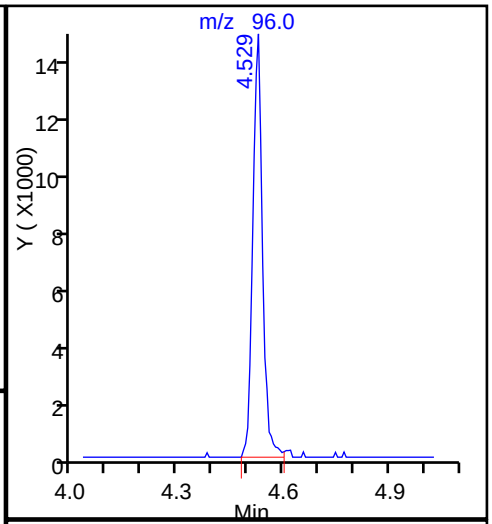
43 cis-1,2-Dichloroethene, CAS: 156-59-2

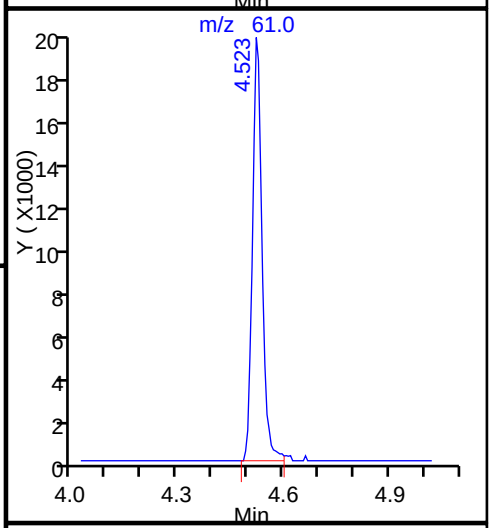


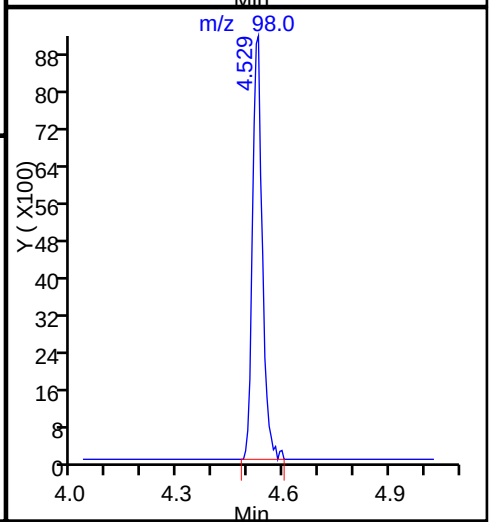








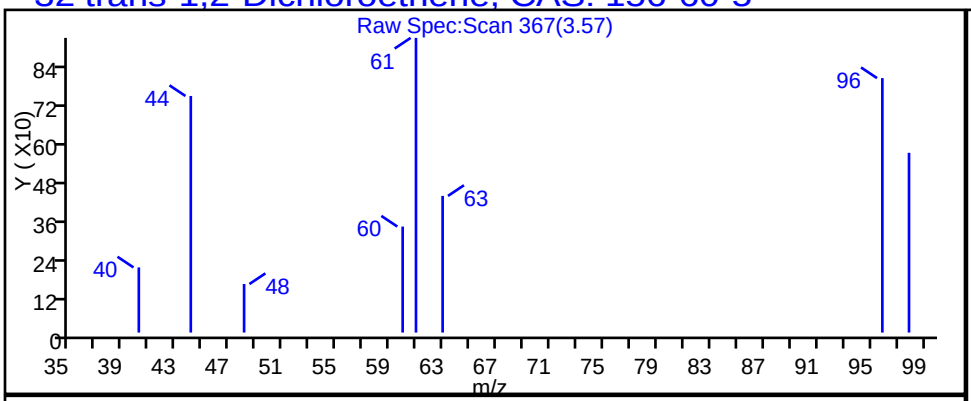


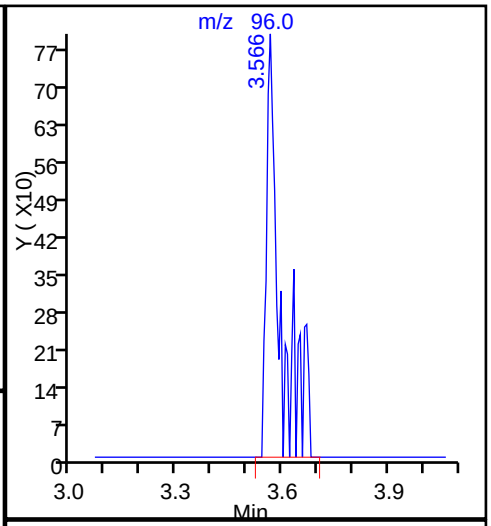


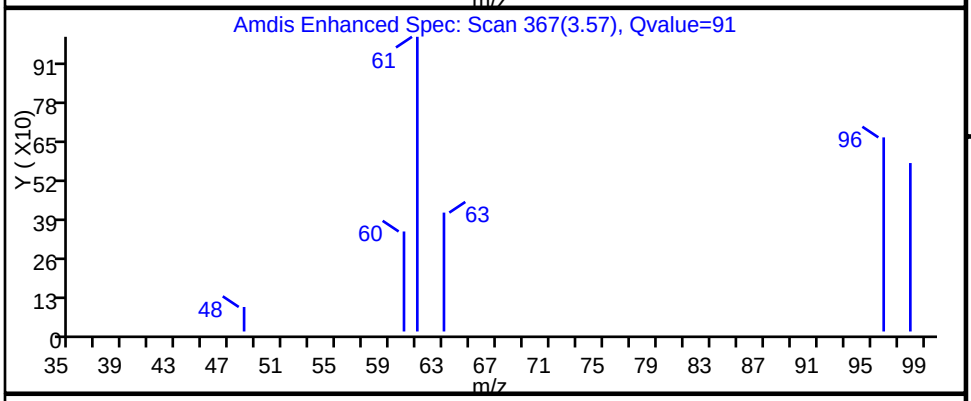
TestAmerica Buffalo

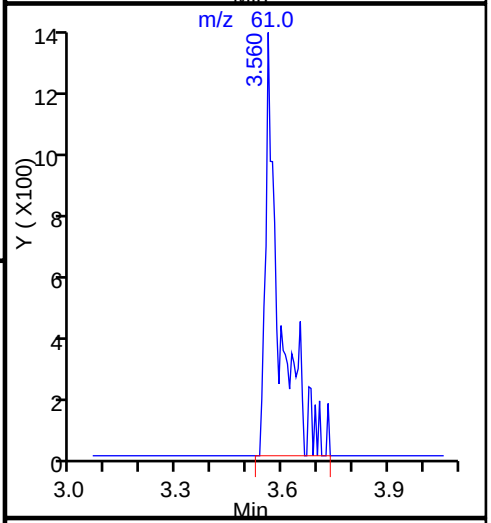
Data File:	\\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34300.D				
Injection Date:	25-Sep-2014 16:23:30	Instrument ID:	HP5973G		
Lims ID:	480-67484-A-1-B	Lab Sample ID:	480-67484-1		
Client ID:	MW-30 (1-4')				
Operator ID:	CN	ALS Bottle#:	75	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	G-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

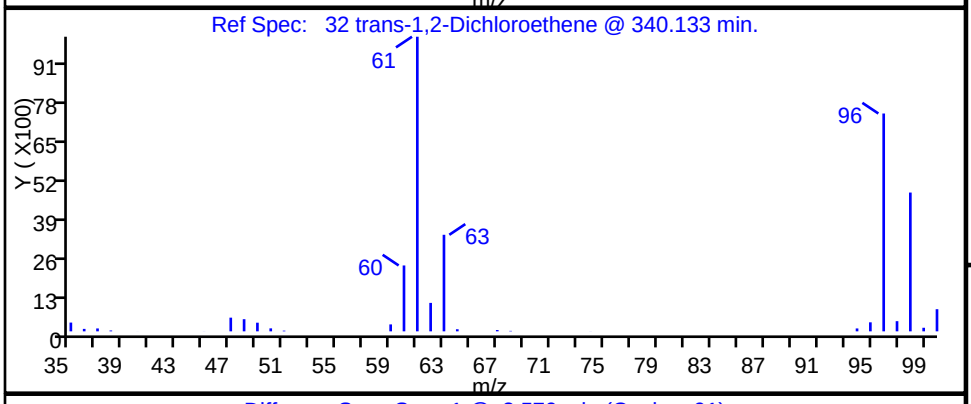
32 trans-1,2-Dichloroethene, CAS: 156-60-5

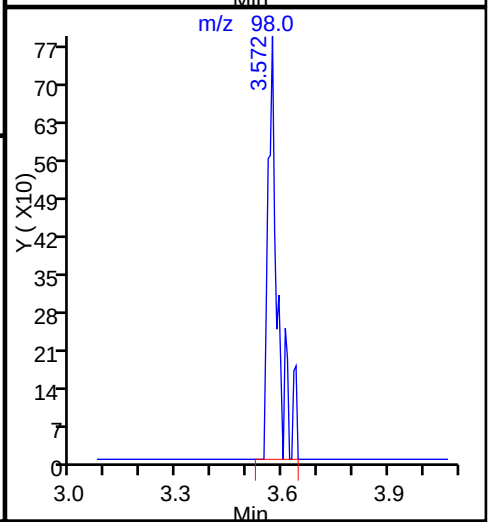


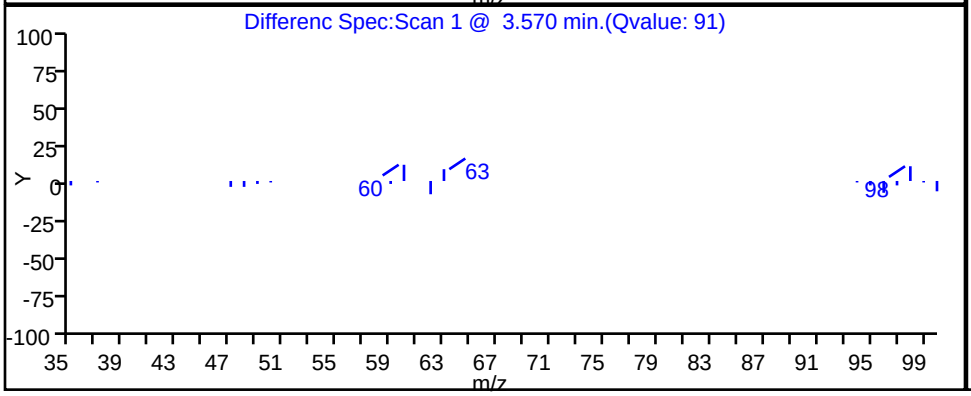












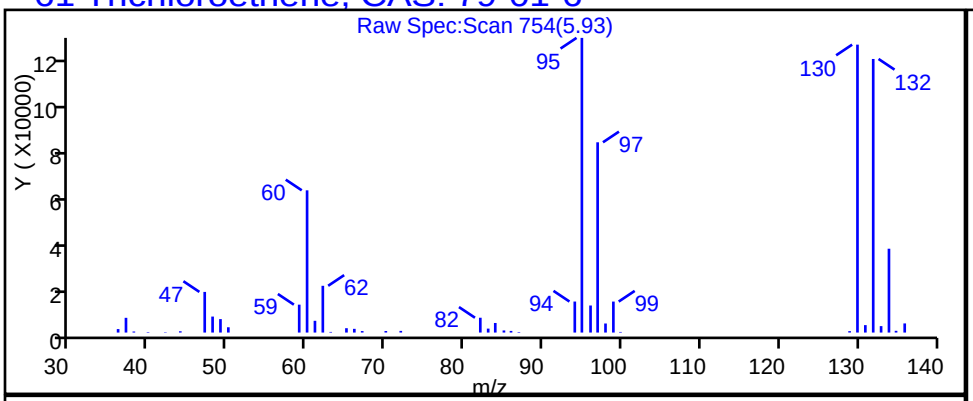
Report Date: 26-Sep-2014 16:13:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

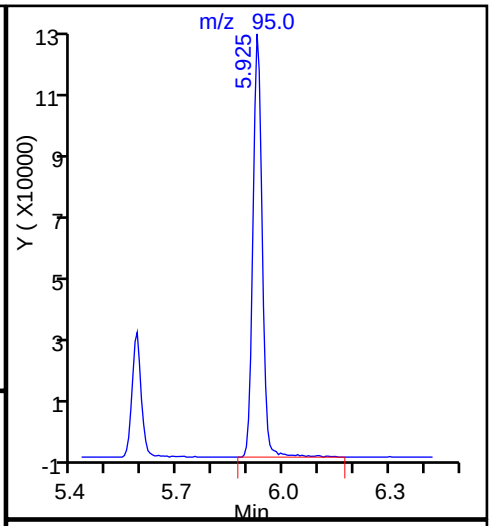
TestAmerica Buffalo

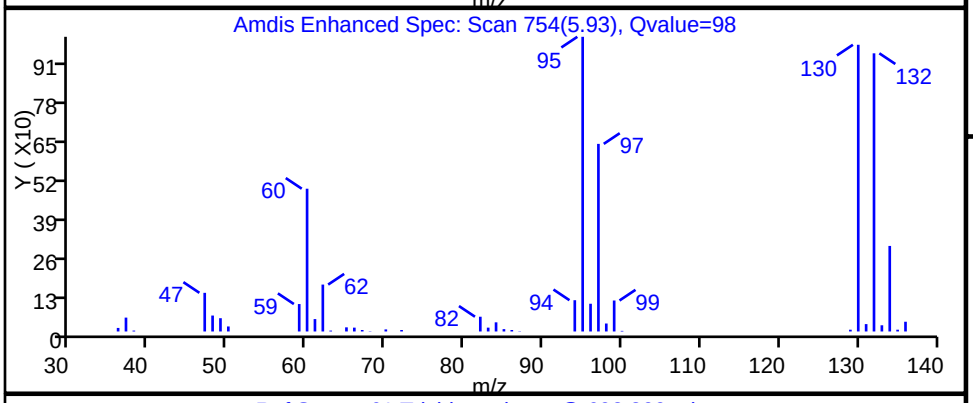
Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34300.D

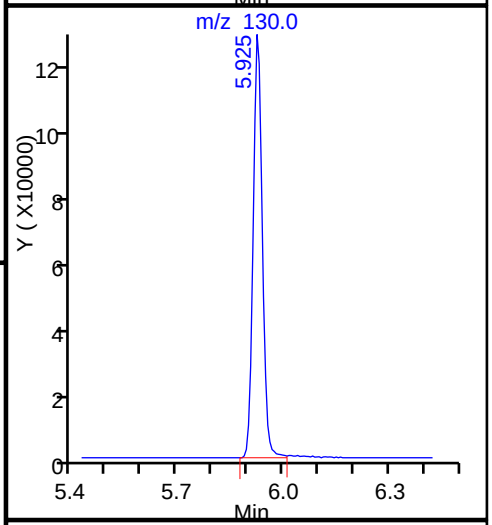
Injection Date:	25-Sep-2014 16:23:30	Instrument ID:	HP5973G
Lims ID:	480-67484-A-1-B	Lab Sample ID:	480-67484-1
Client ID:	MW-30 (1-4')		
Operator ID:	CN	ALS Bottle#:	75 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	20.0000
Method:	G-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

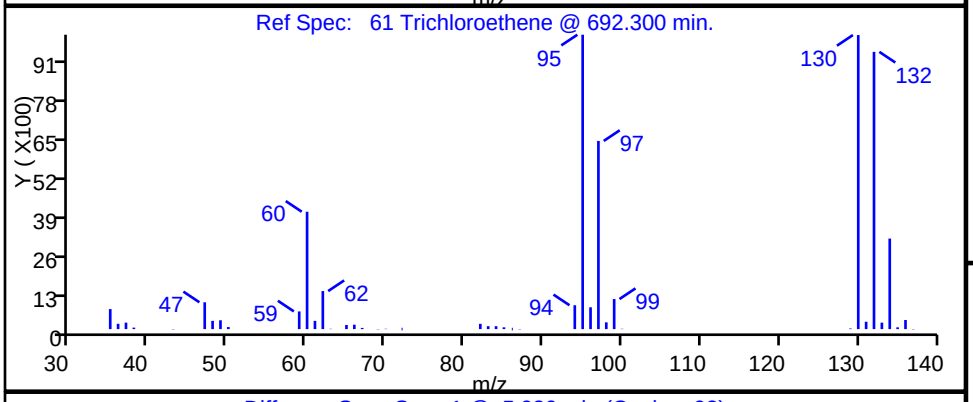
61 Trichloroethene, CAS: 79-01-6

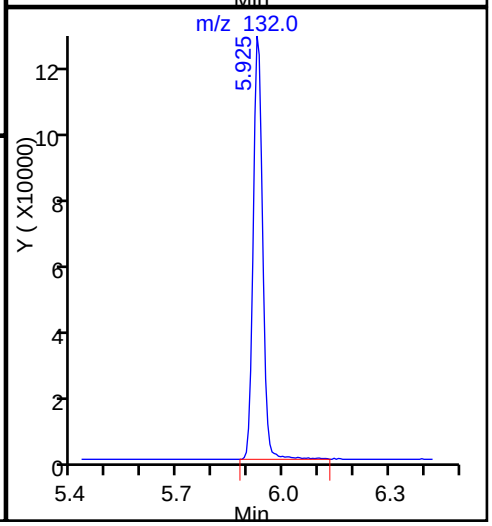


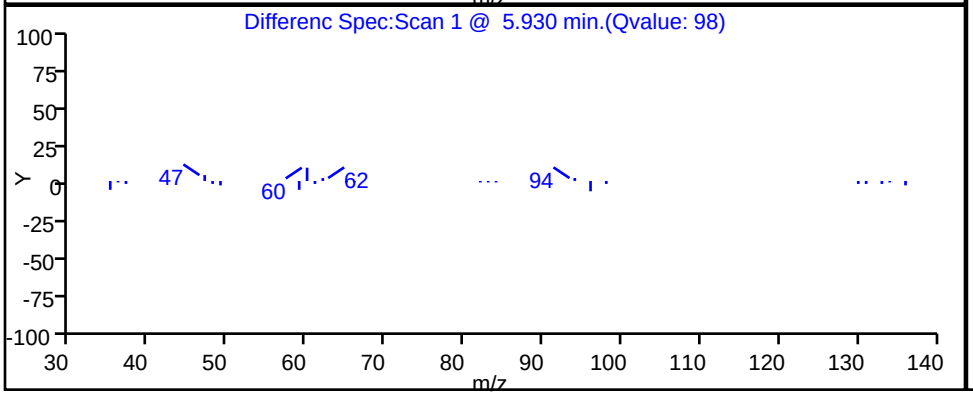












Manual Integration/User Assign Peak Report

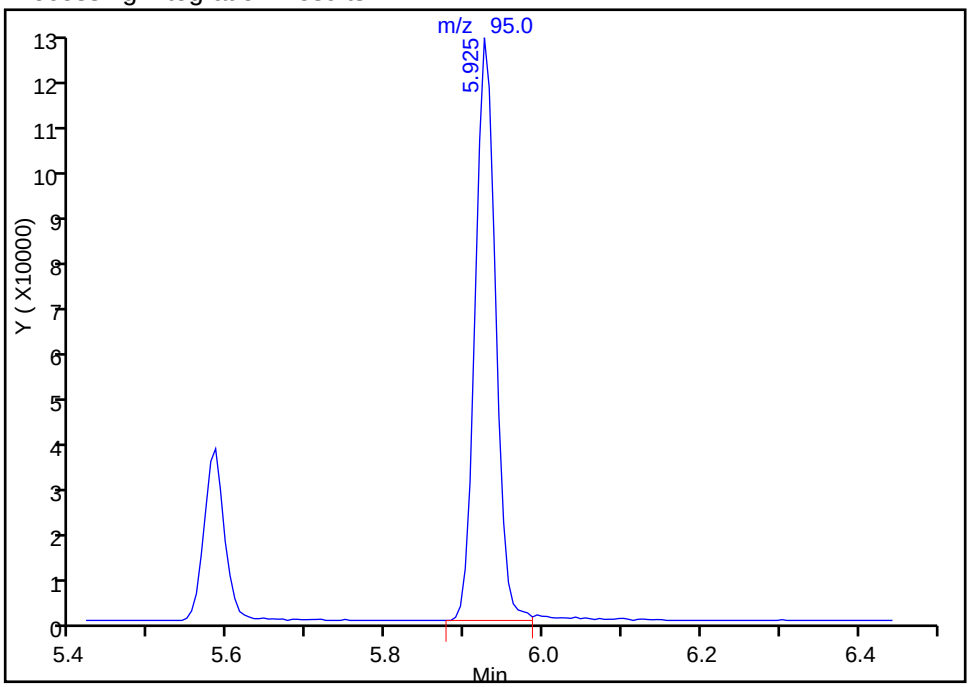
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34300.D				
Injection Date:	25-Sep-2014 16:23:30	Instrument ID:	HP5973G		
Lims ID:	480-67484-A-1-B	Lab Sample ID:	480-67484-1		
Client ID:	MW-30 (1-4')				
Operator ID:	CN	ALS Bottle#:	75	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	G-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

61 Trichloroethene, CAS: 79-01-6

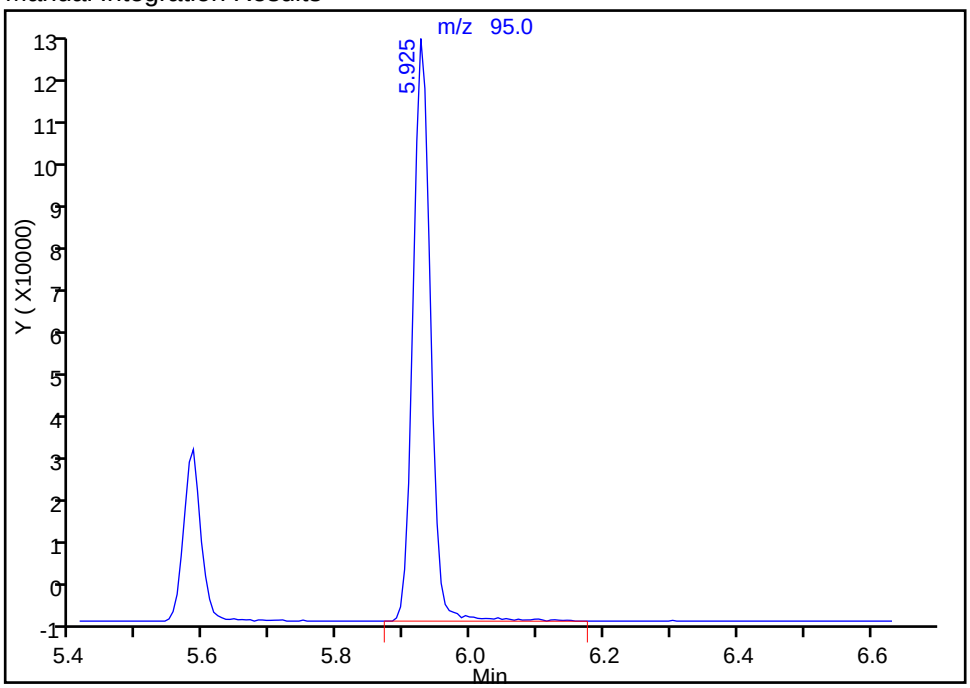
Processing Integration Results

RT: 5.93
Response: 234202
Amount: 28.100694



Manual Integration Results

RT: 5.93
Response: 238628
Amount: 28.631747



Reviewer: nguyendudziaknq, 26-Sep-2014 16:13:15
Audit Action: Manually Integrated
Audit Reason: Peak Tail

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: MW-31 (6-8') | Lab Sample ID: 480-67484-2

Matrix: Solid | Lab File ID: F2215.D

Analysis Method: 8260C | Date Collected: 09/11/2014 16:00

Sample wt/vol: 5.02(g) | Date Analyzed: 09/19/2014 02:09

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 15.7 | Level: (low/med) Low

Analysis Batch No.: 203192 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.9	0.43
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.9	0.96
79-00-5	1,1,2-Trichloroethane	ND		5.9	0.77
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.3
75-34-3	1,1-Dichloroethane	ND		5.9	0.72
75-35-4	1,1-Dichloroethene	ND		5.9	0.72
120-82-1	1,2,4-Trichlorobenzene	ND		5.9	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.9	3.0
106-93-4	1,2-Dibromoethane	ND		5.9	0.76
95-50-1	1,2-Dichlorobenzene	ND		5.9	0.46
107-06-2	1,2-Dichloroethane	ND		5.9	0.30
78-87-5	1,2-Dichloropropane	ND		5.9	3.0
541-73-1	1,3-Dichlorobenzene	ND		5.9	0.30
106-46-7	1,4-Dichlorobenzene	ND		5.9	0.83
591-78-6	2-Hexanone	ND		30	3.0
78-93-3	2-Butanone (MEK)	ND		30	2.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		30	1.9
67-64-1	Acetone	ND		30	5.0
71-43-2	Benzene	ND		5.9	0.29
75-27-4	Bromodichloromethane	ND		5.9	0.79
75-25-2	Bromoform	ND		5.9	3.0
74-83-9	Bromomethane	ND		5.9	0.53
75-15-0	Carbon disulfide	ND		5.9	3.0
56-23-5	Carbon tetrachloride	ND		5.9	0.57
108-90-7	Chlorobenzene	ND		5.9	0.78
124-48-1	Dibromochloromethane	ND		5.9	0.76
75-00-3	Chloroethane	ND		5.9	1.3
67-66-3	Chloroform	ND		5.9	0.37
74-87-3	Chloromethane	ND		5.9	0.36
156-59-2	cis-1,2-Dichloroethene	ND		5.9	0.76
10061-01-5	cis-1,3-Dichloropropene	ND		5.9	0.85
110-82-7	Cyclohexane	ND		5.9	0.83
75-71-8	Dichlorodifluoromethane	ND		5.9	0.49
100-41-4	Ethylbenzene	ND		5.9	0.41
98-82-8	Isopropylbenzene	ND		5.9	0.89

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: MW-31 (6-8') | Lab Sample ID: 480-67484-2

Matrix: Solid | Lab File ID: F2215.D

Analysis Method: 8260C | Date Collected: 09/11/2014 16:00

Sample wt/vol: 5.02(g) | Date Analyzed: 09/19/2014 02:09

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 15.7 | Level: (low/med) Low

Analysis Batch No.: 203192 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.9	3.6
1634-04-4	Methyl tert-butyl ether	ND		5.9	0.58
108-87-2	Methylcyclohexane	ND		5.9	0.90
75-09-2	Methylene Chloride	ND		5.9	2.7
100-42-5	Styrene	ND		5.9	0.30
127-18-4	Tetrachloroethene	ND		5.9	0.79
108-88-3	Toluene	ND		5.9	0.45
156-60-5	trans-1,2-Dichloroethene	ND		5.9	0.61
10061-02-6	trans-1,3-Dichloropropene	ND		5.9	2.6
79-01-6	Trichloroethene	1.5	J	5.9	1.3
75-69-4	Trichlorofluoromethane	ND		5.9	0.56
75-01-4	Vinyl chloride	ND		5.9	0.72
1330-20-7	Xylenes, Total	ND		12	0.99

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		64-126
2037-26-5	Toluene-d8 (Surr)	98		71-125
460-00-4	4-Bromofluorobenzene (Surr)	112		72-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F2215.D
Lims ID: 480-67484-A-2-B Lab Sample ID: 480-67484-2
Client ID: MW-31 (6-8')
Sample Type: Client
Inject. Date: 19-Sep-2014 02:09:30 ALS Bottle#: 5 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-67484-A-2-B
Misc. Info.: 480-0035494-012480-0035494-012
Operator ID: CDC Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Sep-2014 09:52:11 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: sobolr Date: 19-Sep-2014 09:52:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.438	0.006	99	116138	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.261	0.006	85	259012	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	97	262213	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.195	0.006	0	84466	56.1	
$ 5 Toluene-d8 (Surr)	98	6.819	6.819	0.000	93	518558	48.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.484	9.484	0.000	92	184418	56.0	
10 Dichlorodifluoromethane	85		1.934				ND	
12 Chloromethane	50		2.092				ND	
13 Vinyl chloride	62		2.202				ND	
14 Bromomethane	94		2.500				ND	
15 Chloroethane	64		2.567				ND	
17 Trichlorofluoromethane	101		2.774				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.151				ND	
22 1,1-Dichloroethene	96		3.181				ND	
23 Acetone	43		3.218				ND	
26 Carbon disulfide	76		3.394				ND	
27 Methyl acetate	43		3.443				ND	
30 Methylene Chloride	84	3.570	3.565	0.006	90	4686	1.33	
32 Methyl tert-butyl ether	73		3.711				ND	
34 trans-1,2-Dichloroethene	96		3.747				ND	
39 1,1-Dichloroethane	63		4.082				ND	
43 2-Butanone (MEK)	43		4.520				ND	
45 cis-1,2-Dichloroethene	96		4.532				ND	
50 Chloroform	83		4.775				ND	
51 1,1,1-Trichloroethane	97		4.921				ND	
52 Cyclohexane	56		4.952				ND	
55 Carbon tetrachloride	117		5.049				ND	
57 Benzene	78		5.225				ND	
58 1,2-Dichloroethane	62		5.262				ND	
1 1,4-Difluorobenzene	114		5.505				ND	
62 Trichloroethene	95	5.754	5.749	0.006	94	4072	1.29	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
64 Methylcyclohexane	83		5.882				ND	
65 1,2-Dichloropropane	63		5.968				ND	
68 Dichlorobromomethane	83		6.211				ND	
72 cis-1,3-Dichloropropene	75		6.588				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.691				ND	
74 Toluene	92		6.886				ND	
77 trans-1,3-Dichloropropene	75		7.105				ND	
79 1,1,2-Trichloroethane	83		7.306				ND	
81 Tetrachloroethene	166		7.409				ND	
80 2-Hexanone	43		7.482				ND	
83 Chlorodibromomethane	129		7.714				ND	
84 Ethylene Dibromide	107		7.841				ND	
87 Chlorobenzene	112		8.291				ND	
88 Ethylbenzene	91	8.352	8.358	-0.006	92	4577	0.2736	
90 m-Xylene & p-Xylene	106		8.474				ND	
91 o-Xylene	106		8.906				ND	
92 Styrene	104		8.930				ND	
95 Bromoform	173		9.204				ND	
94 Isopropylbenzene	105		9.271				ND	
97 1,1,2,2-Tetrachloroethane	83		9.648				ND	
111 1,3-Dichlorobenzene	146		10.536				ND	
113 1,4-Dichlorobenzene	146		10.621				ND	
116 1,2-Dichlorobenzene	146		10.962				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.643				ND	
119 1,2,4-Trichlorobenzene	180		12.282				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00268	Amount Added:	1.00	Units: uL	Run Reagent

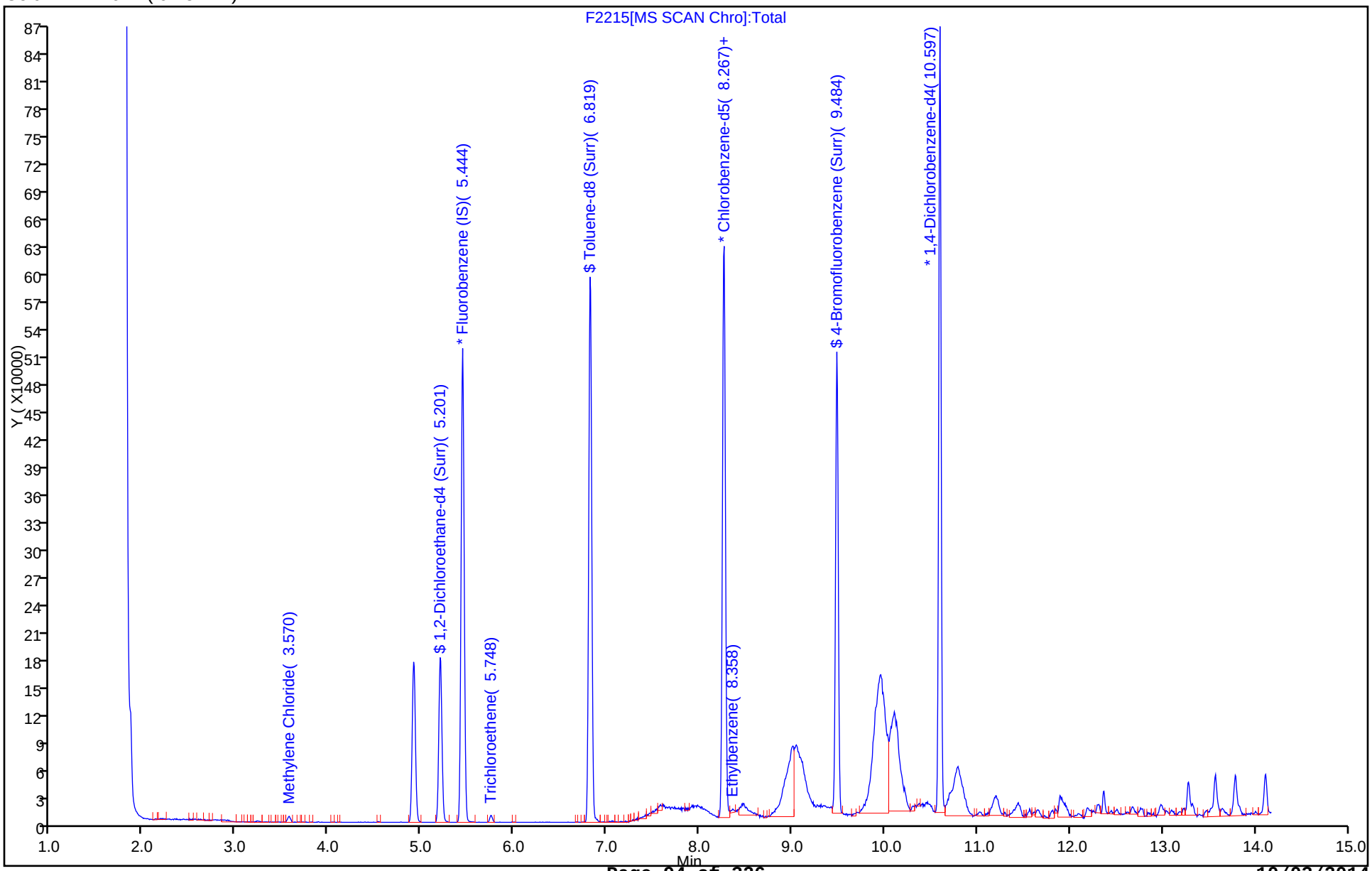
Report Date: 19-Sep-2014 09:52:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F2215.D

Injection Date:	19-Sep-2014 02:09:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-67484-A-2-B	Lab Sample ID:	480-67484-2	Worklist Smp#:	12
Client ID:	MW-31 (6-8')				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



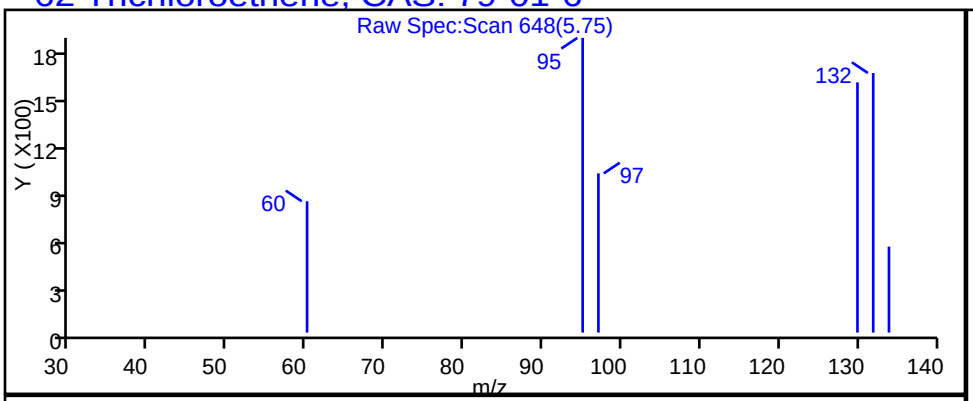
Report Date: 19-Sep-2014 09:52:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

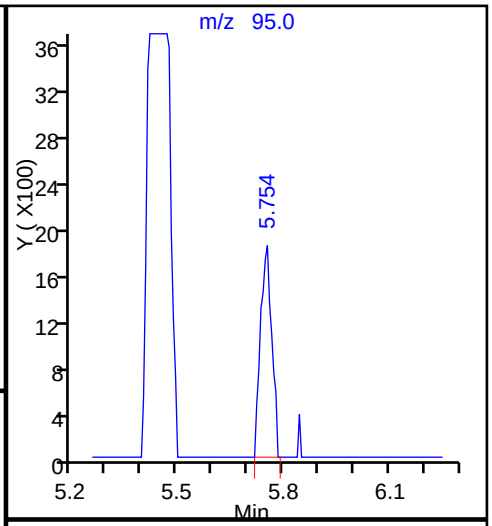
TestAmerica Buffalo

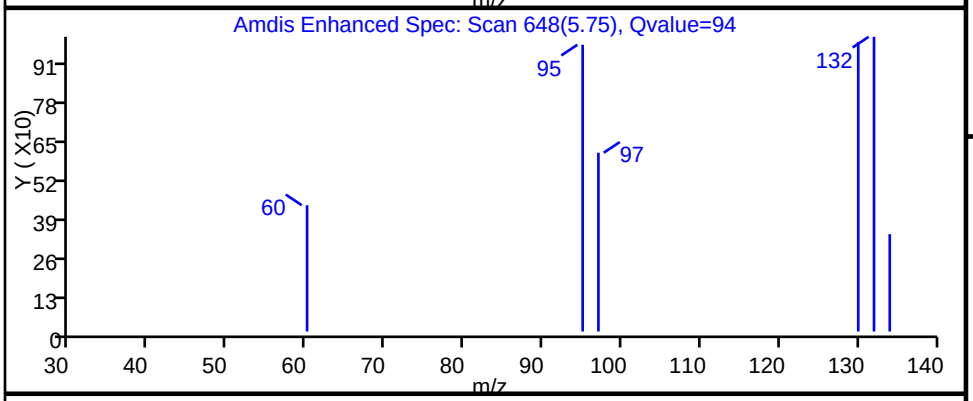
Data File: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F2215.D

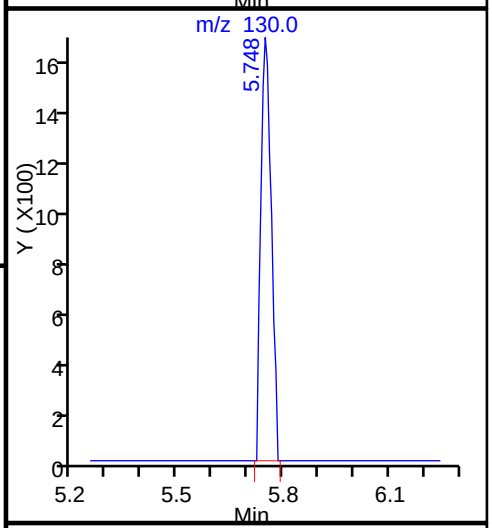
Injection Date:	19-Sep-2014 02:09:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-2-B	Lab Sample ID:	480-67484-2
Client ID:	MW-31 (6-8')		
Operator ID:	CDC	ALS Bottle#:	5 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

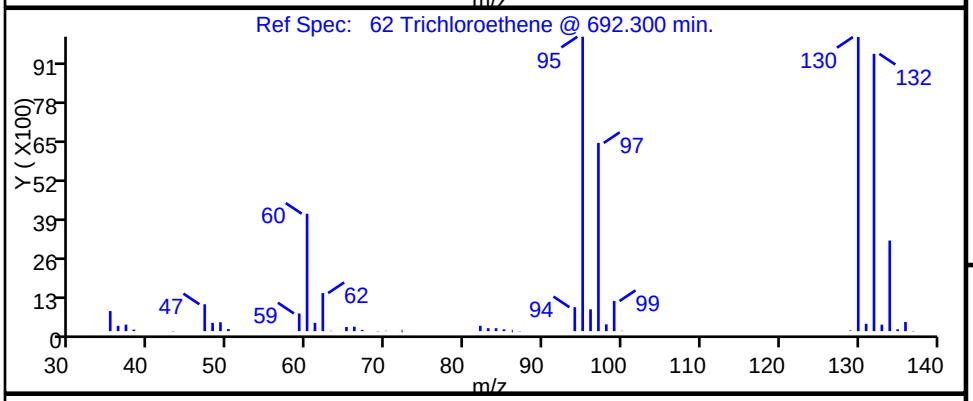
62 Trichloroethene, CAS: 79-01-6

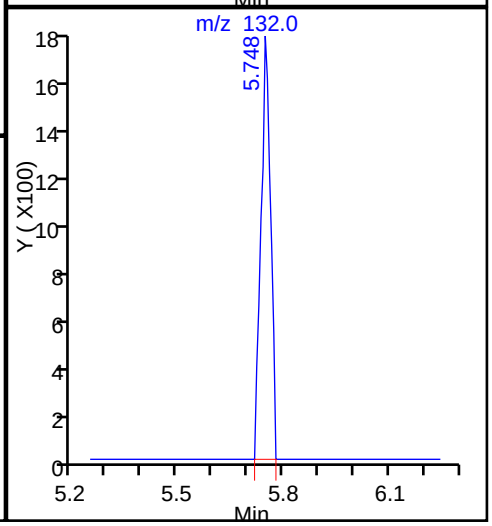


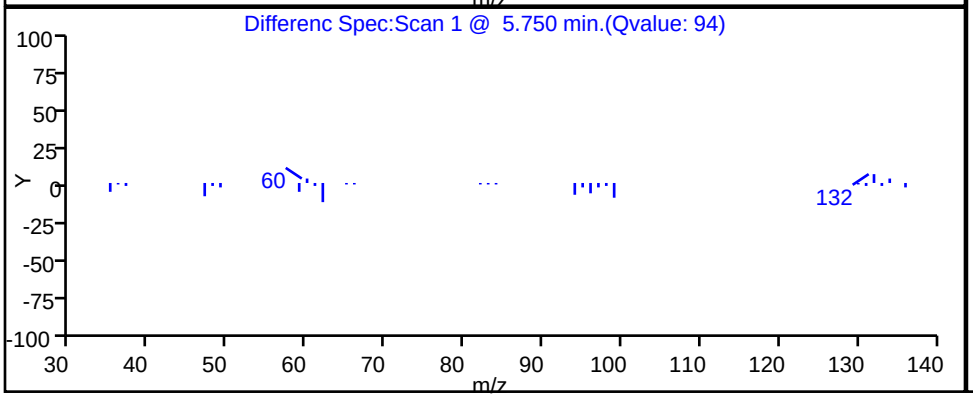












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: MW-32 (16-18') | Lab Sample ID: 480-67484-3

Matrix: Solid | Lab File ID: F2198.D

Analysis Method: 8260C | Date Collected: 09/12/2014 12:00

Sample wt/vol: 5.03(g) | Date Analyzed: 09/18/2014 06:26

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 14.7 | Level: (low/med) Low

Analysis Batch No.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.8	0.42
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.8	0.95
79-00-5	1,1,2-Trichloroethane	ND		5.8	0.76
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3
75-34-3	1,1-Dichloroethane	ND		5.8	0.71
75-35-4	1,1-Dichloroethene	ND		5.8	0.71
120-82-1	1,2,4-Trichlorobenzene	ND		5.8	0.35
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.8	2.9
106-93-4	1,2-Dibromoethane	ND		5.8	0.75
95-50-1	1,2-Dichlorobenzene	ND		5.8	0.46
107-06-2	1,2-Dichloroethane	ND		5.8	0.29
78-87-5	1,2-Dichloropropane	ND		5.8	2.9
541-73-1	1,3-Dichlorobenzene	ND		5.8	0.30
106-46-7	1,4-Dichlorobenzene	ND		5.8	0.82
591-78-6	2-Hexanone	ND		29	2.9
78-93-3	2-Butanone (MEK)	ND		29	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		29	1.9
67-64-1	Acetone	ND		29	4.9
71-43-2	Benzene	ND		5.8	0.29
75-27-4	Bromodichloromethane	ND		5.8	0.78
75-25-2	Bromoform	ND		5.8	2.9
74-83-9	Bromomethane	ND		5.8	0.52
75-15-0	Carbon disulfide	ND		5.8	2.9
56-23-5	Carbon tetrachloride	ND		5.8	0.56
108-90-7	Chlorobenzene	ND		5.8	0.77
124-48-1	Dibromochloromethane	ND		5.8	0.75
75-00-3	Chloroethane	ND		5.8	1.3
67-66-3	Chloroform	ND		5.8	0.36
74-87-3	Chloromethane	ND		5.8	0.35
156-59-2	cis-1,2-Dichloroethene	3.6	J	5.8	0.75
10061-01-5	cis-1,3-Dichloropropene	ND		5.8	0.84
110-82-7	Cyclohexane	ND		5.8	0.82
75-71-8	Dichlorodifluoromethane	ND		5.8	0.48
100-41-4	Ethylbenzene	ND		5.8	0.40
98-82-8	Isopropylbenzene	ND		5.8	0.88

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: MW-32 (16-18') | Lab Sample ID: 480-67484-3

Matrix: Solid | Lab File ID: F2198.D

Analysis Method: 8260C | Date Collected: 09/12/2014 12:00

Sample wt/vol: 5.03(g) | Date Analyzed: 09/18/2014 06:26

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 14.7 | Level: (low/med) Low

Analysis Batch No.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.8	3.5
1634-04-4	Methyl tert-butyl ether	ND		5.8	0.57
108-87-2	Methylcyclohexane	ND		5.8	0.89
75-09-2	Methylene Chloride	ND		5.8	2.7
100-42-5	Styrene	ND		5.8	0.29
127-18-4	Tetrachloroethene	ND		5.8	0.78
108-88-3	Toluene	ND		5.8	0.44
156-60-5	trans-1,2-Dichloroethene	ND		5.8	0.60
10061-02-6	trans-1,3-Dichloropropene	ND		5.8	2.6
79-01-6	Trichloroethene	18		5.8	1.3
75-69-4	Trichlorofluoromethane	ND		5.8	0.55
75-01-4	Vinyl chloride	ND		5.8	0.71
1330-20-7	Xylenes, Total	ND		12	0.98

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
2037-26-5	Toluene-d8 (Surr)	97		71-125
460-00-4	4-Bromofluorobenzene (Surr)	108		72-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2198.D
Lims ID: 480-67484-A-3-A Lab Sample ID: 480-67484-3
Client ID: MW-32 (16-18')
Sample Type: Client
Inject. Date: 18-Sep-2014 06:26:30 ALS Bottle#: 17 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-67484-A-3-A
Misc. Info.: 480-0035460-023480-0035460-023
Operator ID: CDC Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2014 19:55:55 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: cwiklinc Date: 18-Sep-2014 20:13:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	99	121182	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	86	255784	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	95	250408	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	82345	52.4	
$ 5 Toluene-d8 (Surr)	98	6.819	6.825	-0.006	93	506795	48.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.484	9.484	0.000	92	175794	54.1	
10 Dichlorodifluoromethane	85		1.934				ND	
12 Chloromethane	50		2.098				ND	
13 Vinyl chloride	62		2.208				ND	
14 Bromomethane	94		2.500				ND	
15 Chloroethane	64		2.567				ND	
17 Trichlorofluoromethane	101		2.780				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.157				ND	
22 1,1-Dichloroethene	96		3.187				ND	
23 Acetone	43		3.224				ND	
26 Carbon disulfide	76		3.394				ND	
27 Methyl acetate	43		3.443				ND	
30 Methylene Chloride	84	3.558	3.564	-0.006	82	2646	0.7209	
32 Methyl tert-butyl ether	73		3.716				ND	
34 trans-1,2-Dichloroethene	96		3.753				ND	
39 1,1-Dichloroethane	63		4.081				ND	
43 2-Butanone (MEK)	43		4.526				ND	
45 cis-1,2-Dichloroethene	96	4.538	4.538	0.000	77	11006	3.13	
50 Chloroform	83		4.781				ND	
51 1,1,1-Trichloroethane	97		4.927				ND	
52 Cyclohexane	56		4.957				ND	
55 Carbon tetrachloride	117		5.055				ND	
57 Benzene	78		5.231				ND	
58 1,2-Dichloroethane	62		5.268				ND	
1 1,4-Difluorobenzene	114		5.511				ND	
62 Trichloroethene	95	5.748	5.748	0.000	98	50986	15.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
64 Methylcyclohexane	83		5.888				ND	
65 1,2-Dichloropropane	63		5.973				ND	
68 Dichlorobromomethane	83		6.217				ND	
72 cis-1,3-Dichloropropene	75		6.594				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.691				ND	
74 Toluene	92	6.880	6.886	-0.006	97	3012	0.3260	
77 trans-1,3-Dichloropropene	75		7.111				ND	
79 1,1,2-Trichloroethane	83		7.306				ND	
81 Tetrachloroethene	166		7.409				ND	
80 2-Hexanone	43		7.482				ND	
83 Chlorodibromomethane	129		7.713				ND	
84 Ethylene Dibromide	107		7.847				ND	
87 Chlorobenzene	112		8.297				ND	
88 Ethylbenzene	91		8.358				ND	
90 m-Xylene & p-Xylene	106		8.474				ND	
91 o-Xylene	106		8.906				ND	
92 Styrene	104		8.930				ND	
95 Bromoform	173		9.204				ND	
94 Isopropylbenzene	105		9.271				ND	
97 1,1,2,2-Tetrachloroethane	83		9.648				ND	
111 1,3-Dichlorobenzene	146		10.542				ND	
113 1,4-Dichlorobenzene	146		10.621				ND	
116 1,2-Dichlorobenzene	146		10.962				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.643				ND	
119 1,2,4-Trichlorobenzene	180		12.282				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00268	Amount Added:	1.00	Units: uL	Run Reagent

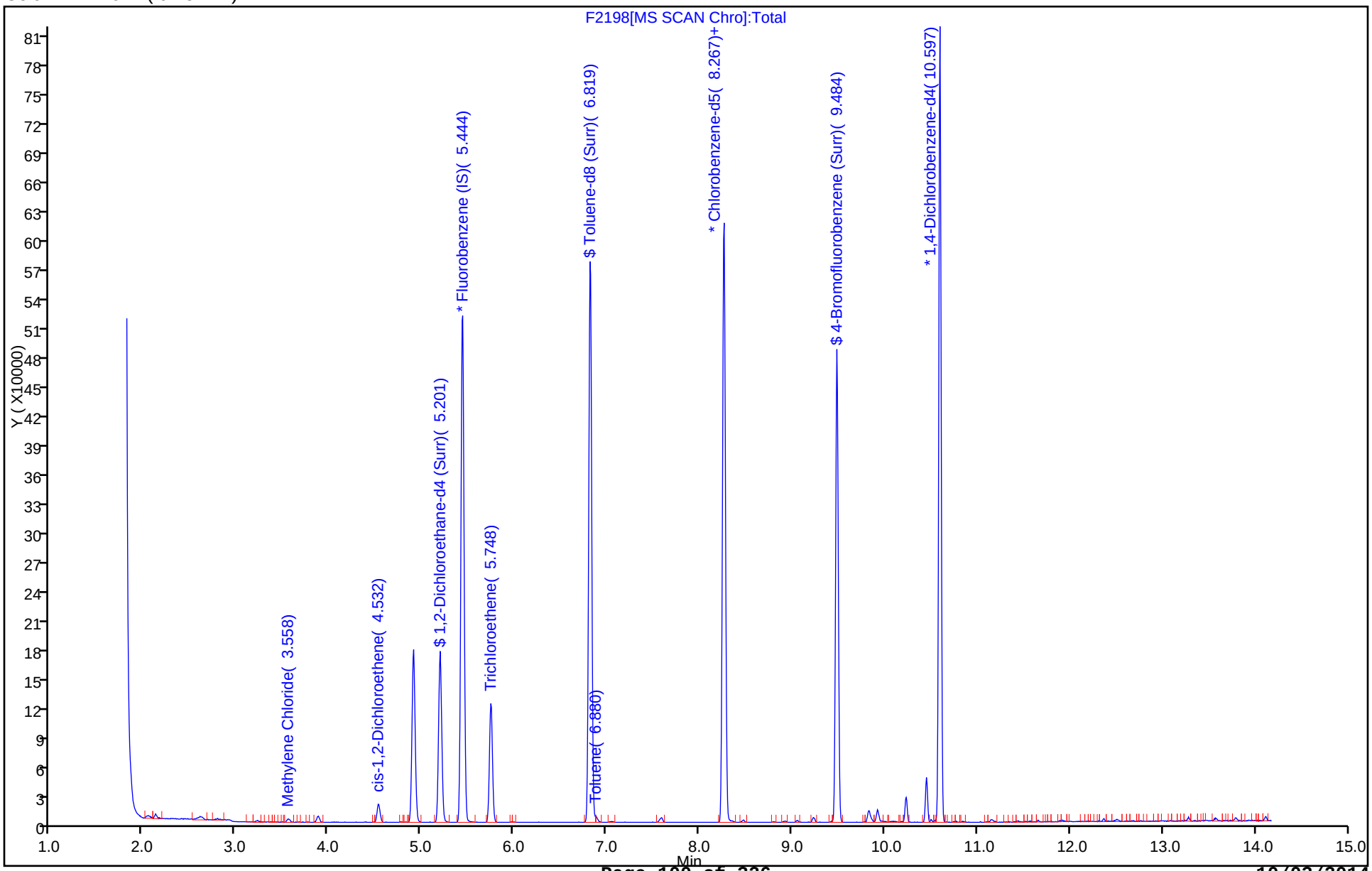
Report Date: 18-Sep-2014 20:13:30 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2198.D

Injection Date:	18-Sep-2014 06:26:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-67484-A-3-A	Lab Sample ID:	480-67484-3	Worklist Smp#:	23
Client ID:	MW-32 (16-18')				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

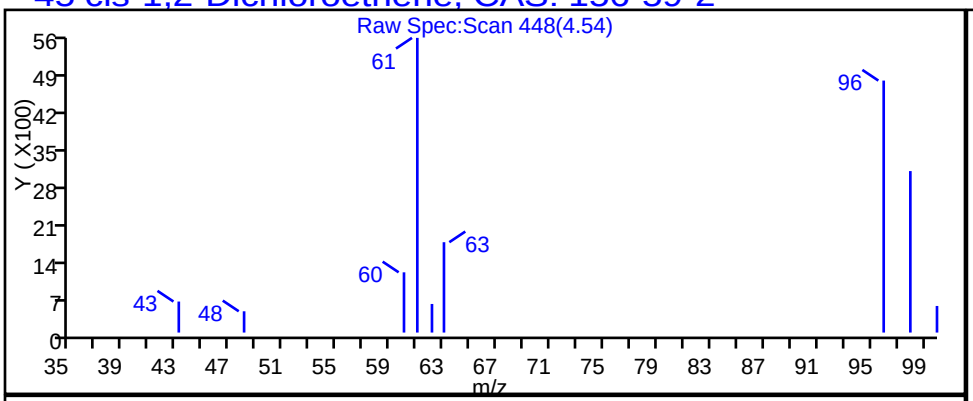


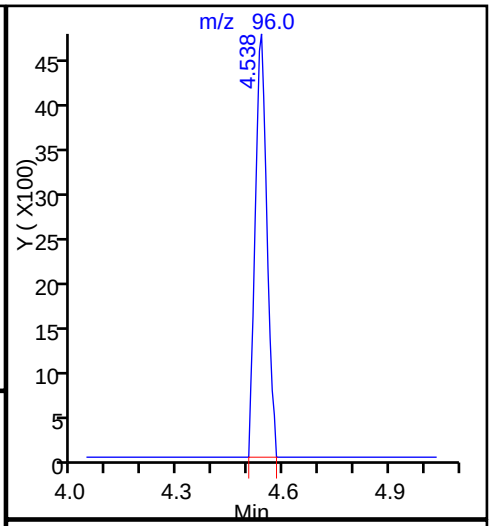
TestAmerica Buffalo

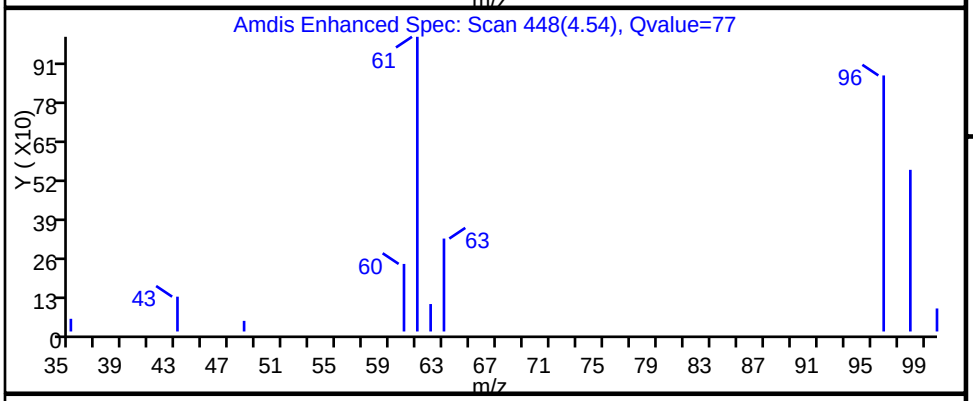
Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2198.D

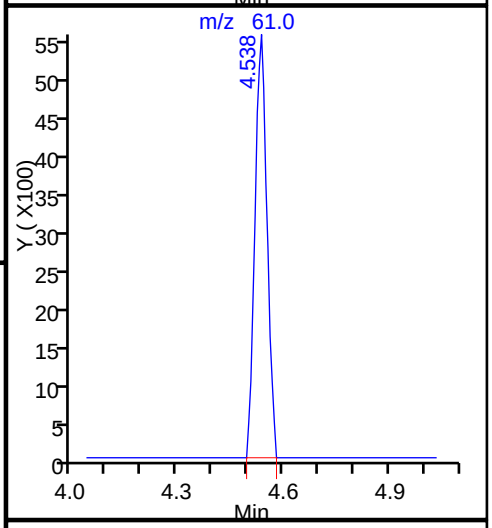
Injection Date:	18-Sep-2014 06:26:30	Instrument ID:	HP5973F		
Lims ID:	480-67484-A-3-A	Lab Sample ID:	480-67484-3		
Client ID:	MW-32 (16-18')				
Operator ID:	CDC	ALS Bottle#:	17	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

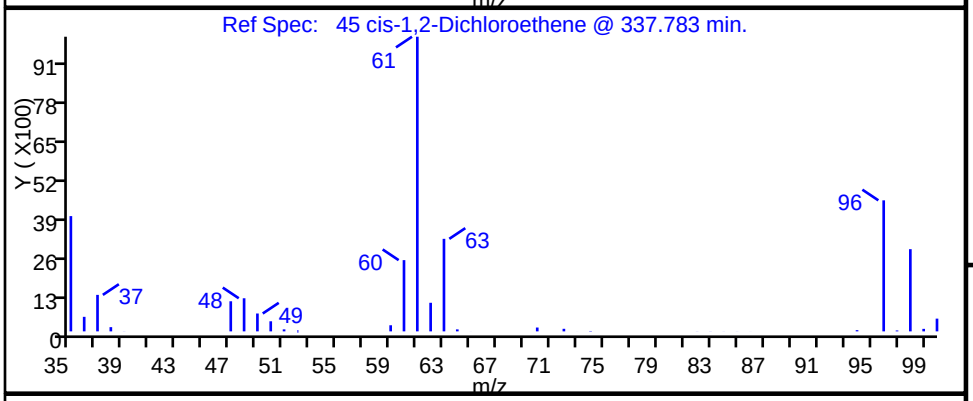
45 cis-1,2-Dichloroethene, CAS: 156-59-2

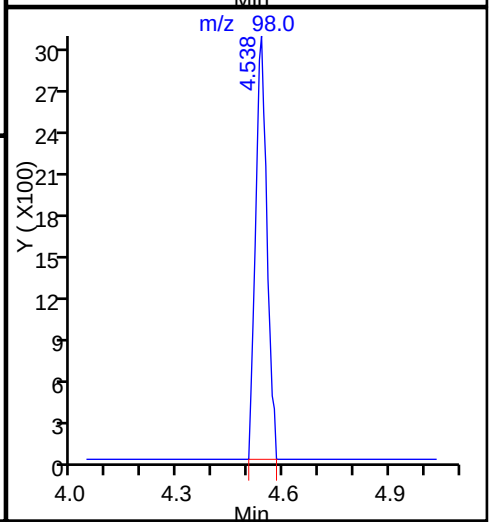


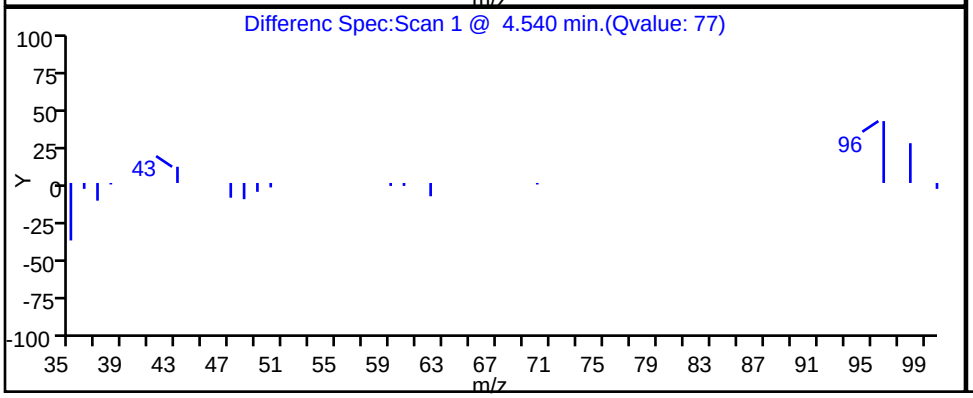












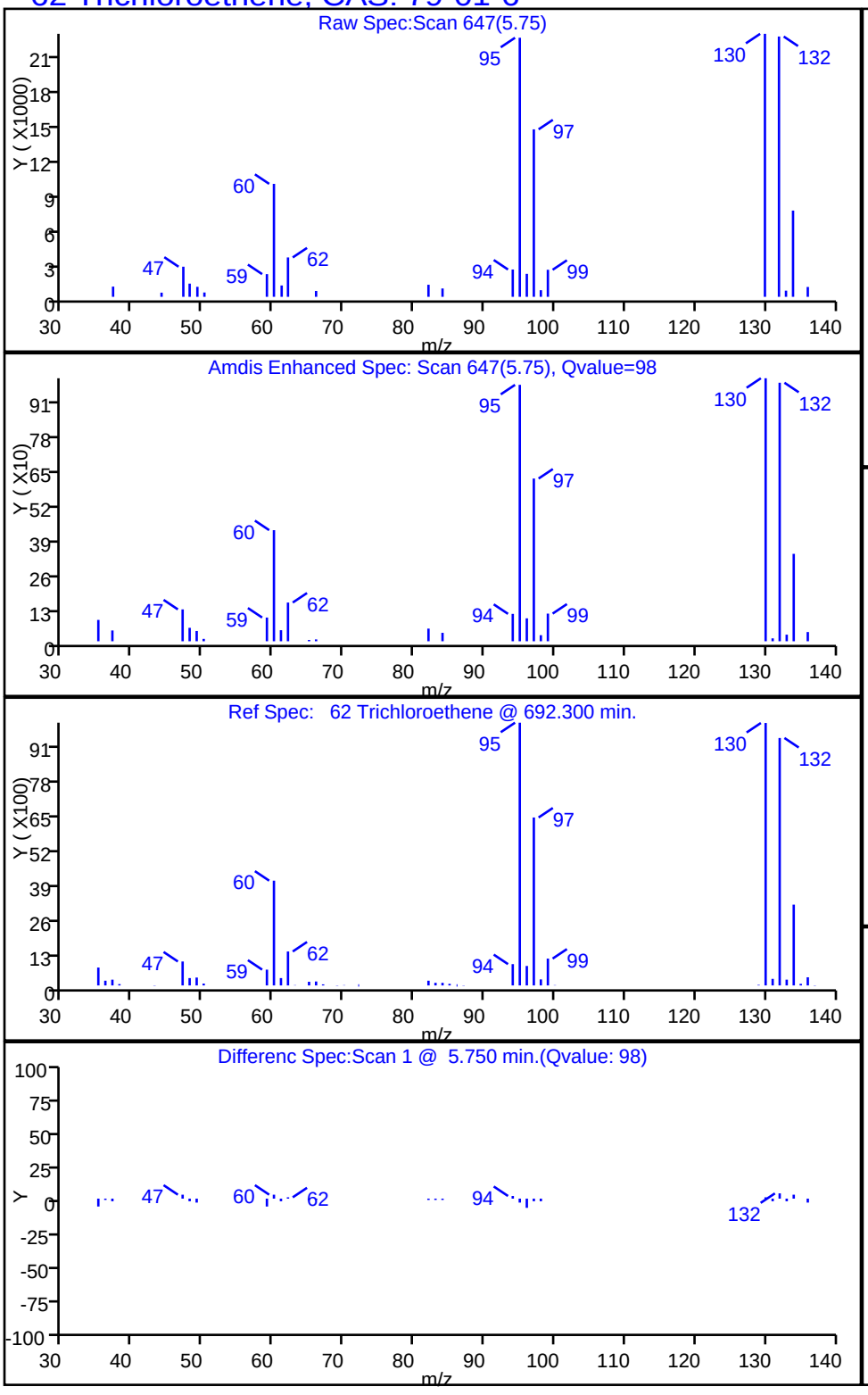
Report Date: 18-Sep-2014 20:13:30 Chrom Revision: 2.2 18-Aug-2014 12:17:36

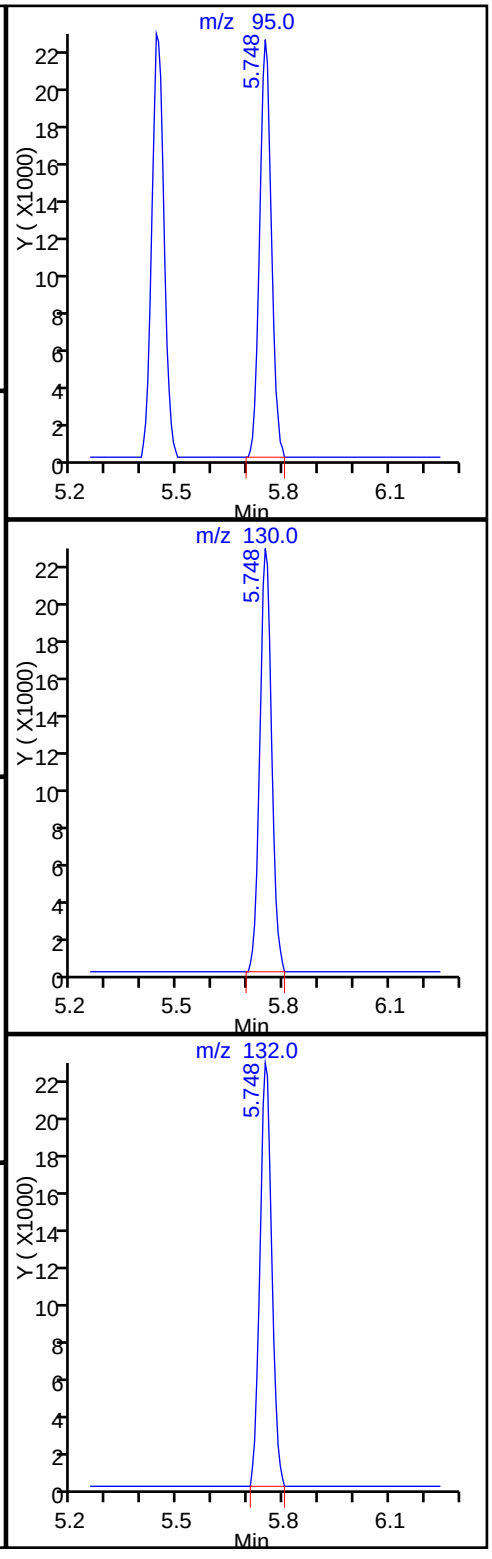
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2198.D

Injection Date:	18-Sep-2014 06:26:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-3-A	Lab Sample ID:	480-67484-3
Client ID:	MW-32 (16-18')		
Operator ID:	CDC	ALS Bottle#:	17 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: MW-33 (4-8') | Lab Sample ID: 480-67484-4

Matrix: Solid | Lab File ID: F2199.D

Analysis Method: 8260C | Date Collected: 09/15/2014 10:00

Sample wt/vol: 5.11(g) | Date Analyzed: 09/18/2014 06:52

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 16.1 | Level: (low/med) Low

Analysis Batch No.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.8	0.42
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.8	0.95
79-00-5	1,1,2-Trichloroethane	ND		5.8	0.76
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3
75-34-3	1,1-Dichloroethane	ND		5.8	0.71
75-35-4	1,1-Dichloroethene	ND		5.8	0.71
120-82-1	1,2,4-Trichlorobenzene	ND		5.8	0.35
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.8	2.9
106-93-4	1,2-Dibromoethane	ND		5.8	0.75
95-50-1	1,2-Dichlorobenzene	ND		5.8	0.46
107-06-2	1,2-Dichloroethane	ND		5.8	0.29
78-87-5	1,2-Dichloropropane	ND		5.8	2.9
541-73-1	1,3-Dichlorobenzene	ND		5.8	0.30
106-46-7	1,4-Dichlorobenzene	ND		5.8	0.82
591-78-6	2-Hexanone	ND		29	2.9
78-93-3	2-Butanone (MEK)	ND		29	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		29	1.9
67-64-1	Acetone	ND		29	4.9
71-43-2	Benzene	ND		5.8	0.29
75-27-4	Bromodichloromethane	ND		5.8	0.78
75-25-2	Bromoform	ND		5.8	2.9
74-83-9	Bromomethane	ND		5.8	0.52
75-15-0	Carbon disulfide	ND		5.8	2.9
56-23-5	Carbon tetrachloride	ND		5.8	0.56
108-90-7	Chlorobenzene	ND		5.8	0.77
124-48-1	Dibromochloromethane	ND		5.8	0.75
75-00-3	Chloroethane	ND		5.8	1.3
67-66-3	Chloroform	ND		5.8	0.36
74-87-3	Chloromethane	ND		5.8	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.8	0.75
10061-01-5	cis-1,3-Dichloropropene	ND		5.8	0.84
110-82-7	Cyclohexane	ND		5.8	0.82
75-71-8	Dichlorodifluoromethane	ND		5.8	0.48
100-41-4	Ethylbenzene	ND		5.8	0.40
98-82-8	Isopropylbenzene	ND		5.8	0.88

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: MW-33 (4-8') | Lab Sample ID: 480-67484-4

Matrix: Solid | Lab File ID: F2199.D

Analysis Method: 8260C | Date Collected: 09/15/2014 10:00

Sample wt/vol: 5.11(g) | Date Analyzed: 09/18/2014 06:52

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 16.1 | Level: (low/med) Low

Analysis Batch No.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.8	3.5
1634-04-4	Methyl tert-butyl ether	ND		5.8	0.57
108-87-2	Methylcyclohexane	ND		5.8	0.89
75-09-2	Methylene Chloride	ND		5.8	2.7
100-42-5	Styrene	ND		5.8	0.29
127-18-4	Tetrachloroethene	ND		5.8	0.78
108-88-3	Toluene	ND		5.8	0.44
156-60-5	trans-1,2-Dichloroethene	ND		5.8	0.60
10061-02-6	trans-1,3-Dichloropropene	ND		5.8	2.6
79-01-6	Trichloroethene	1.6	J	5.8	1.3
75-69-4	Trichlorofluoromethane	ND		5.8	0.55
75-01-4	Vinyl chloride	ND		5.8	0.71
1330-20-7	Xylenes, Total	ND		12	0.98

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
2037-26-5	Toluene-d8 (Surr)	98		71-125
460-00-4	4-Bromofluorobenzene (Surr)	110		72-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2199.D
Lims ID: 480-67484-A-4-A Lab Sample ID: 480-67484-4
Client ID: MW-33 (4-8')
Sample Type: Client
Inject. Date: 18-Sep-2014 06:52:30 ALS Bottle#: 18 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-67484-A-4-A
Misc. Info.: 480-0035460-024480-0035460-024
Operator ID: CDC Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2014 19:55:55 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: cwiklinc Date: 18-Sep-2014 20:13:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.438	5.444	-0.006	99	118708	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	85	249803	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	95	245097	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	81076	52.7	
$ 5 Toluene-d8 (Surr)	98	6.819	6.825	-0.006	93	501982	49.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.484	9.484	0.000	92	174844	55.1	
10 Dichlorodifluoromethane	85		1.934				ND	
12 Chloromethane	50		2.098				ND	
13 Vinyl chloride	62		2.208				ND	
14 Bromomethane	94		2.500				ND	
15 Chloroethane	64		2.567				ND	
17 Trichlorofluoromethane	101		2.780				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.157				ND	
22 1,1-Dichloroethene	96		3.187				ND	
23 Acetone	43		3.224				ND	
26 Carbon disulfide	76		3.394				ND	
27 Methyl acetate	43		3.443				ND	
30 Methylene Chloride	84	3.565	3.564	0.001	85	1852	0.5151	
32 Methyl tert-butyl ether	73		3.716				ND	
34 trans-1,2-Dichloroethene	96		3.753				ND	
39 1,1-Dichloroethane	63		4.081				ND	
43 2-Butanone (MEK)	43		4.526				ND	
45 cis-1,2-Dichloroethene	96		4.538				ND	
50 Chloroform	83		4.781				ND	
51 1,1,1-Trichloroethane	97		4.927				ND	
52 Cyclohexane	56		4.957				ND	
55 Carbon tetrachloride	117		5.055				ND	
57 Benzene	78		5.231				ND	
58 1,2-Dichloroethane	62		5.268				ND	
1 1,4-Difluorobenzene	114		5.511				ND	
62 Trichloroethene	95	5.749	5.748	0.001	94	4506	1.40	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
64 Methylcyclohexane	83		5.888				ND	
65 1,2-Dichloropropane	63		5.973				ND	
68 Dichlorobromomethane	83		6.217				ND	
72 cis-1,3-Dichloropropene	75		6.594				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.691				ND	
74 Toluene	92		6.886				ND	
77 trans-1,3-Dichloropropene	75		7.111				ND	
79 1,1,2-Trichloroethane	83		7.306				ND	
81 Tetrachloroethene	166		7.409				ND	
80 2-Hexanone	43		7.482				ND	
83 Chlorodibromomethane	129		7.713				ND	
84 Ethylene Dibromide	107		7.847				ND	
87 Chlorobenzene	112		8.297				ND	
88 Ethylbenzene	91		8.358				ND	
90 m-Xylene & p-Xylene	106		8.474				ND	
91 o-Xylene	106		8.906				ND	
92 Styrene	104		8.930				ND	
95 Bromoform	173		9.204				ND	
94 Isopropylbenzene	105		9.271				ND	
97 1,1,2,2-Tetrachloroethane	83		9.648				ND	
111 1,3-Dichlorobenzene	146		10.542				ND	
113 1,4-Dichlorobenzene	146		10.621				ND	
116 1,2-Dichlorobenzene	146		10.962				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.643				ND	
119 1,2,4-Trichlorobenzene	180		12.282				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00268	Amount Added:	1.00	Units: uL	Run Reagent

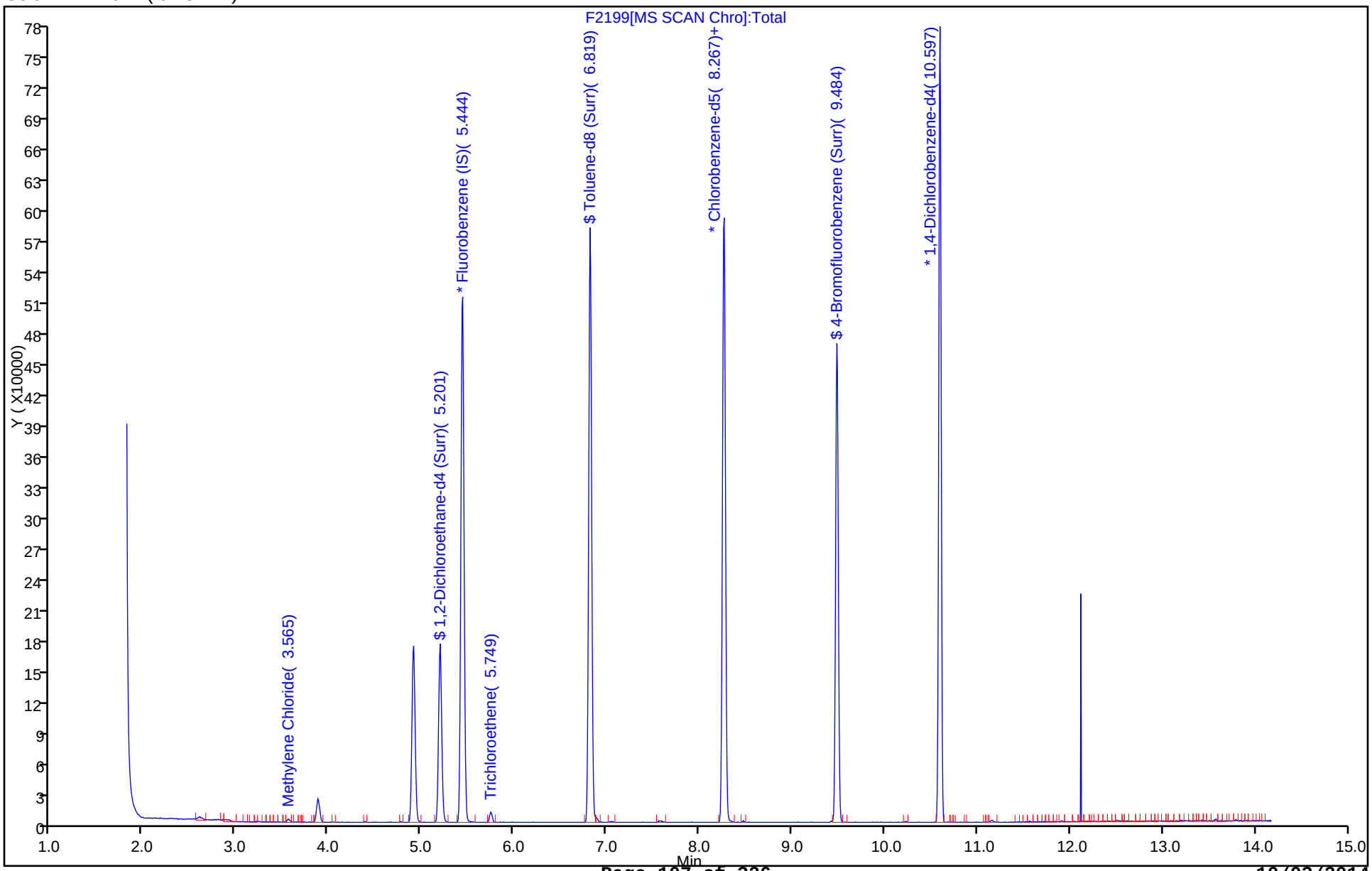
Report Date: 18-Sep-2014 20:13:55 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2199.D

Injection Date:	18-Sep-2014 06:52:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-67484-A-4-A	Lab Sample ID:	480-67484-4	Worklist Smp#:	24
Client ID:	MW-33 (4-8')				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



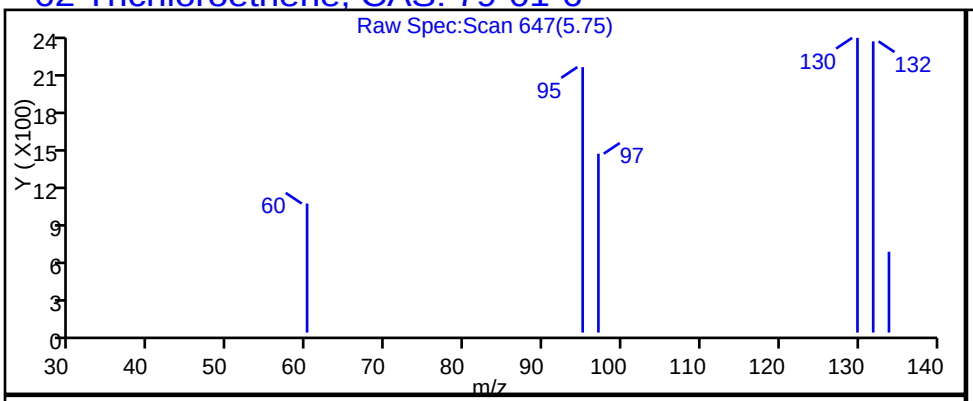
Report Date: 18-Sep-2014 20:13:55 Chrom Revision: 2.2 18-Aug-2014 12:17:36

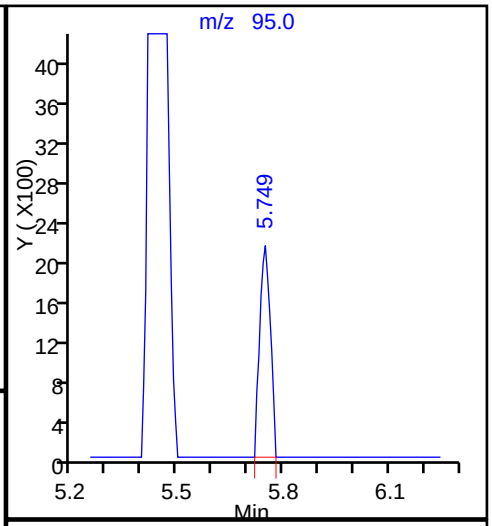
TestAmerica Buffalo

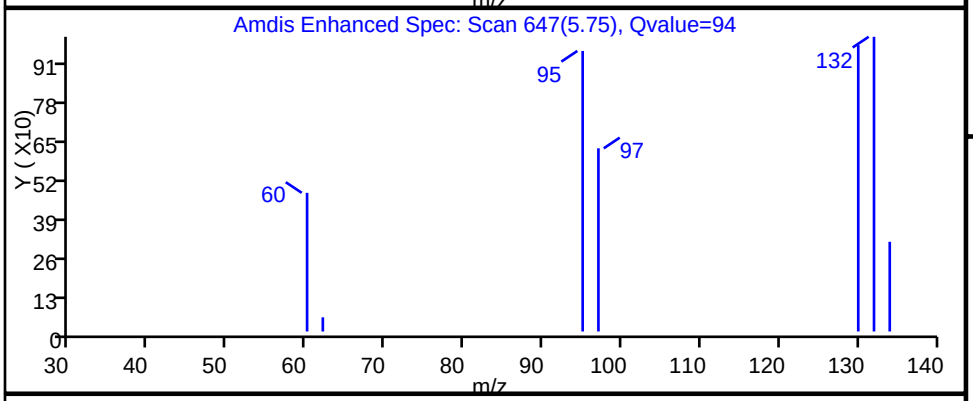
Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2199.D

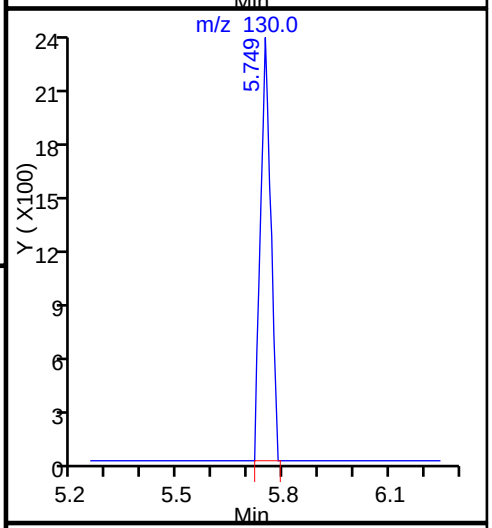
Injection Date:	18-Sep-2014 06:52:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-4-A	Lab Sample ID:	480-67484-4
Client ID:	MW-33 (4-8')		
Operator ID:	CDC	ALS Bottle#:	18 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

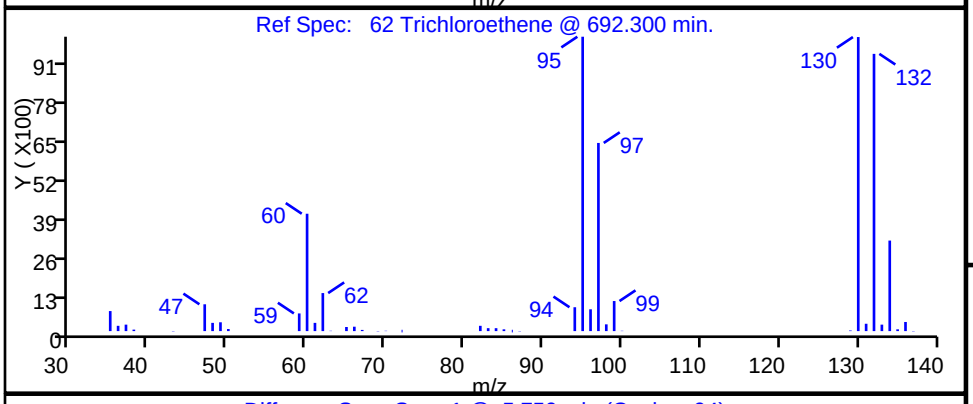
62 Trichloroethene, CAS: 79-01-6

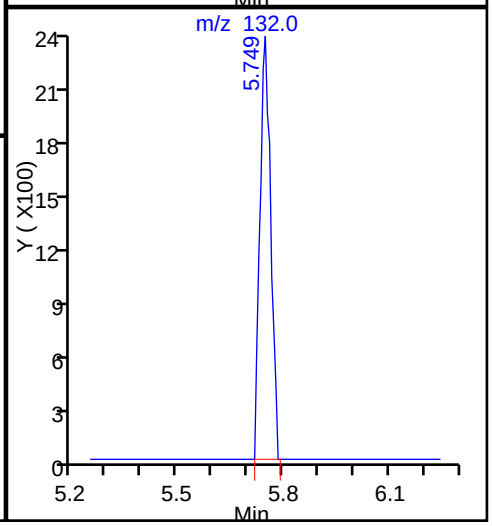


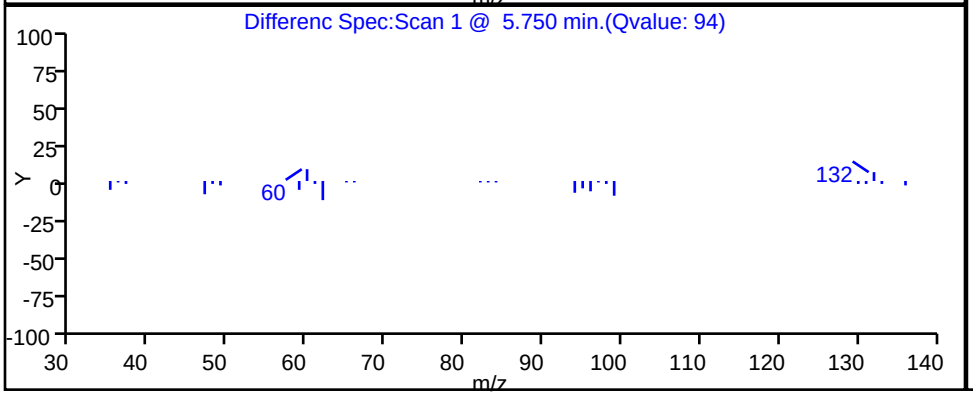












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: DUP-1 | Lab Sample ID: 480-67484-5

Matrix: Solid | Lab File ID: F2200.D

Analysis Method: 8260C | Date Collected: 09/12/2014 12:05

Sample wt/vol: 5.05(g) | Date Analyzed: 09/18/2014 07:17

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 15.6 | Level: (low/med) Low

Analysis Batch No.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.9	0.43
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.9	0.95
79-00-5	1,1,2-Trichloroethane	ND		5.9	0.76
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.3
75-34-3	1,1-Dichloroethane	ND		5.9	0.72
75-35-4	1,1-Dichloroethene	ND		5.9	0.72
120-82-1	1,2,4-Trichlorobenzene	ND		5.9	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.9	2.9
106-93-4	1,2-Dibromoethane	ND		5.9	0.75
95-50-1	1,2-Dichlorobenzene	ND		5.9	0.46
107-06-2	1,2-Dichloroethane	ND		5.9	0.29
78-87-5	1,2-Dichloropropane	ND		5.9	2.9
541-73-1	1,3-Dichlorobenzene	ND		5.9	0.30
106-46-7	1,4-Dichlorobenzene	ND		5.9	0.82
591-78-6	2-Hexanone	ND		29	2.9
78-93-3	2-Butanone (MEK)	ND		29	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		29	1.9
67-64-1	Acetone	ND		29	4.9
71-43-2	Benzene	ND		5.9	0.29
75-27-4	Bromodichloromethane	ND		5.9	0.79
75-25-2	Bromoform	ND		5.9	2.9
74-83-9	Bromomethane	ND		5.9	0.53
75-15-0	Carbon disulfide	ND		5.9	2.9
56-23-5	Carbon tetrachloride	ND		5.9	0.57
108-90-7	Chlorobenzene	ND		5.9	0.77
124-48-1	Dibromochloromethane	ND		5.9	0.75
75-00-3	Chloroethane	ND		5.9	1.3
67-66-3	Chloroform	ND		5.9	0.36
74-87-3	Chloromethane	ND		5.9	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.9	0.75
10061-01-5	cis-1,3-Dichloropropene	ND		5.9	0.84
110-82-7	Cyclohexane	ND		5.9	0.82
75-71-8	Dichlorodifluoromethane	ND		5.9	0.48
100-41-4	Ethylbenzene	ND		5.9	0.40
98-82-8	Isopropylbenzene	ND		5.9	0.88

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: DUP-1 | Lab Sample ID: 480-67484-5

Matrix: Solid | Lab File ID: F2200.D

Analysis Method: 8260C | Date Collected: 09/12/2014 12:05

Sample wt/vol: 5.05(g) | Date Analyzed: 09/18/2014 07:17

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 15.6 | Level: (low/med) Low

Analysis Batch No.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.9	3.5
1634-04-4	Methyl tert-butyl ether	ND		5.9	0.58
108-87-2	Methylcyclohexane	ND		5.9	0.89
75-09-2	Methylene Chloride	ND		5.9	2.7
100-42-5	Styrene	ND		5.9	0.29
127-18-4	Tetrachloroethene	ND		5.9	0.79
108-88-3	Toluene	0.51	J	5.9	0.44
156-60-5	trans-1,2-Dichloroethene	ND		5.9	0.60
10061-02-6	trans-1,3-Dichloropropene	ND		5.9	2.6
79-01-6	Trichloroethene	1.3	J	5.9	1.3
75-69-4	Trichlorofluoromethane	ND		5.9	0.55
75-01-4	Vinyl chloride	ND		5.9	0.72
1330-20-7	Xylenes, Total	ND		12	0.98

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
2037-26-5	Toluene-d8 (Surr)	97		71-125
460-00-4	4-Bromofluorobenzene (Surr)	110		72-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2200.D
Lims ID: 480-67484-A-5-A Lab Sample ID: 480-67484-5
Client ID: DUP-1
Sample Type: Client
Inject. Date: 18-Sep-2014 07:17:30 ALS Bottle#: 19 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-67484-A-5-A
Misc. Info.: 480-0035460-025480-0035460-025
Operator ID: CDC Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2014 19:55:55 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: cwiklinc Date: 18-Sep-2014 20:14:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.438	5.444	-0.006	99	116463	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	85	248153	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	96	245090	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	80094	53.0	
$ 5 Toluene-d8 (Surr)	98	6.819	6.825	-0.006	93	494910	48.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.490	9.484	0.006	92	173315	55.0	
10 Dichlorodifluoromethane	85		1.934				ND	
12 Chloromethane	50		2.098				ND	
13 Vinyl chloride	62		2.208				ND	
14 Bromomethane	94		2.500				ND	
15 Chloroethane	64		2.567				ND	
17 Trichlorofluoromethane	101		2.780				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.157				ND	
22 1,1-Dichloroethene	96		3.187				ND	
23 Acetone	43		3.224				ND	
26 Carbon disulfide	76		3.394				ND	
27 Methyl acetate	43		3.443				ND	
30 Methylene Chloride	84	3.558	3.564	-0.006	82	2604	0.7382	
32 Methyl tert-butyl ether	73		3.716				ND	
34 trans-1,2-Dichloroethene	96		3.753				ND	
39 1,1-Dichloroethane	63		4.081				ND	
43 2-Butanone (MEK)	43		4.526				ND	
45 cis-1,2-Dichloroethene	96		4.538				ND	
50 Chloroform	83		4.781				ND	
51 1,1,1-Trichloroethane	97		4.927				ND	
52 Cyclohexane	56		4.957				ND	
55 Carbon tetrachloride	117		5.055				ND	
57 Benzene	78		5.231				ND	
58 1,2-Dichloroethane	62		5.268				ND	
1 1,4-Difluorobenzene	114		5.511				ND	
62 Trichloroethene	95	5.742	5.748	-0.006	95	3450	1.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
64 Methylcyclohexane	83		5.888				ND	
65 1,2-Dichloropropane	63		5.973				ND	
68 Dichlorobromomethane	83		6.217				ND	
72 cis-1,3-Dichloropropene	75		6.594				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.691				ND	
74 Toluene	92	6.892	6.886	0.006	98	3892	0.4342	
77 trans-1,3-Dichloropropene	75		7.111				ND	
79 1,1,2-Trichloroethane	83		7.306				ND	
81 Tetrachloroethene	166		7.409				ND	
80 2-Hexanone	43		7.482				ND	
83 Chlorodibromomethane	129		7.713				ND	
84 Ethylene Dibromide	107		7.847				ND	
87 Chlorobenzene	112		8.297				ND	
88 Ethylbenzene	91		8.358				ND	
90 m-Xylene & p-Xylene	106		8.474				ND	
91 o-Xylene	106		8.906				ND	
92 Styrene	104		8.930				ND	
95 Bromoform	173		9.204				ND	
94 Isopropylbenzene	105		9.271				ND	
97 1,1,2,2-Tetrachloroethane	83		9.648				ND	
111 1,3-Dichlorobenzene	146		10.542				ND	
113 1,4-Dichlorobenzene	146		10.621				ND	
116 1,2-Dichlorobenzene	146		10.962				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.643				ND	
119 1,2,4-Trichlorobenzene	180		12.282				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00268	Amount Added:	1.00	Units: uL	Run Reagent

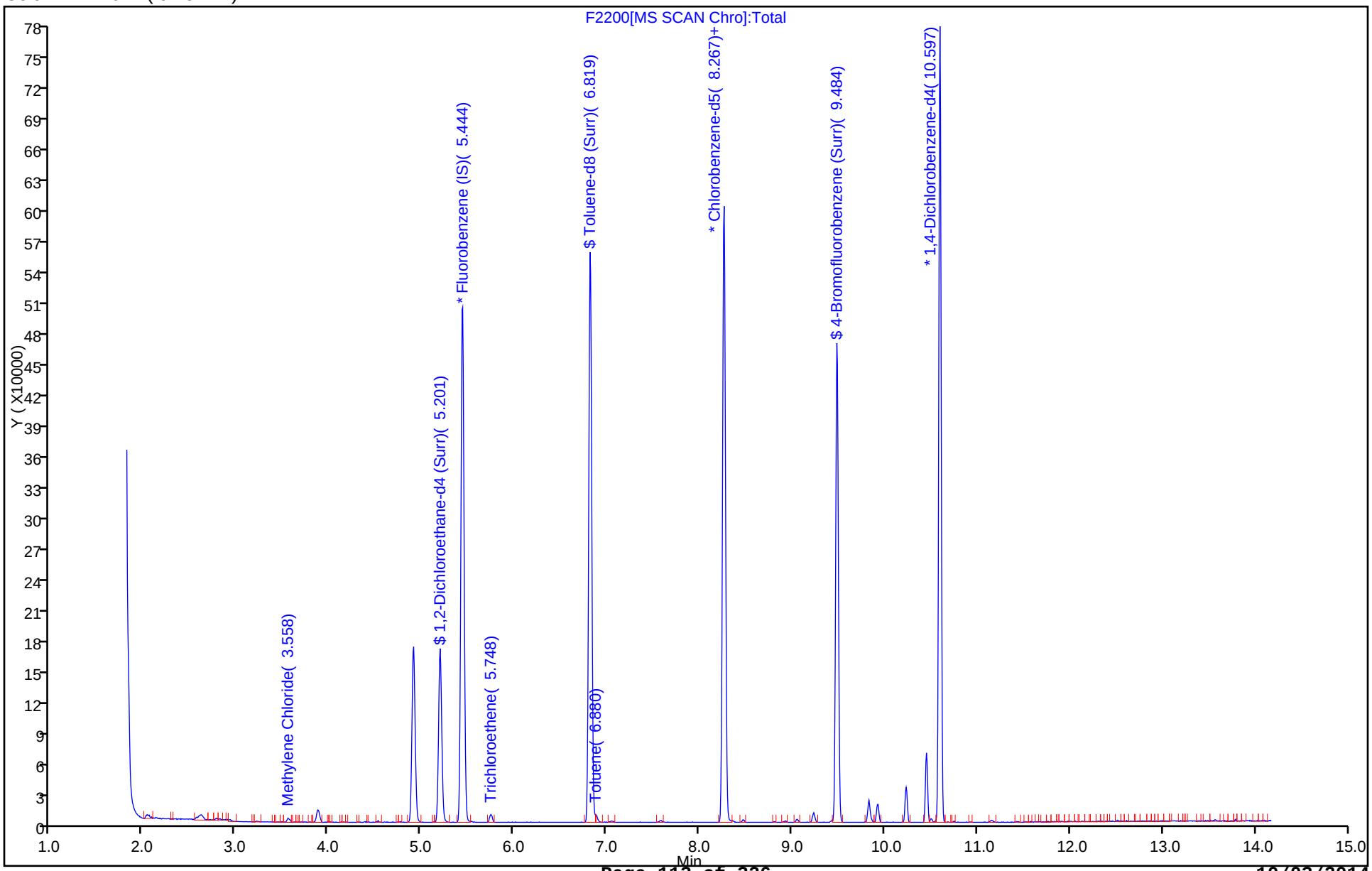
Report Date: 18-Sep-2014 20:14:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2200.D

Injection Date:	18-Sep-2014 07:17:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-67484-A-5-A	Lab Sample ID:	480-67484-5	Worklist Smp#:	25
Client ID:	DUP-1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



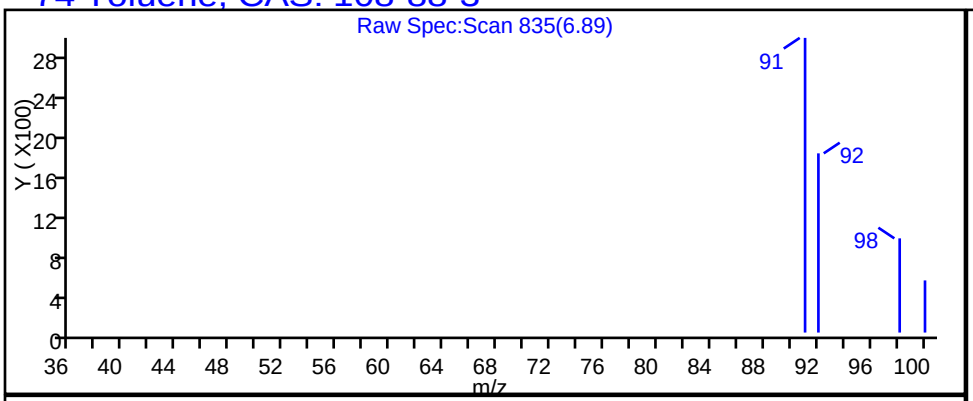
Report Date: 18-Sep-2014 20:14:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

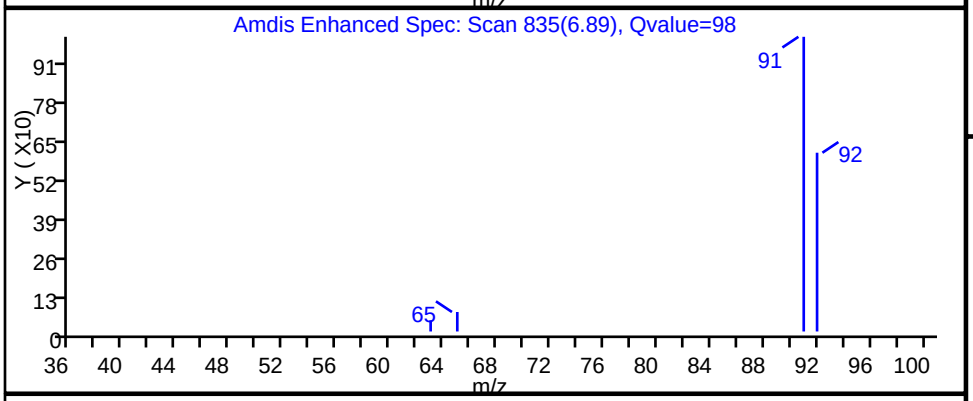
TestAmerica Buffalo

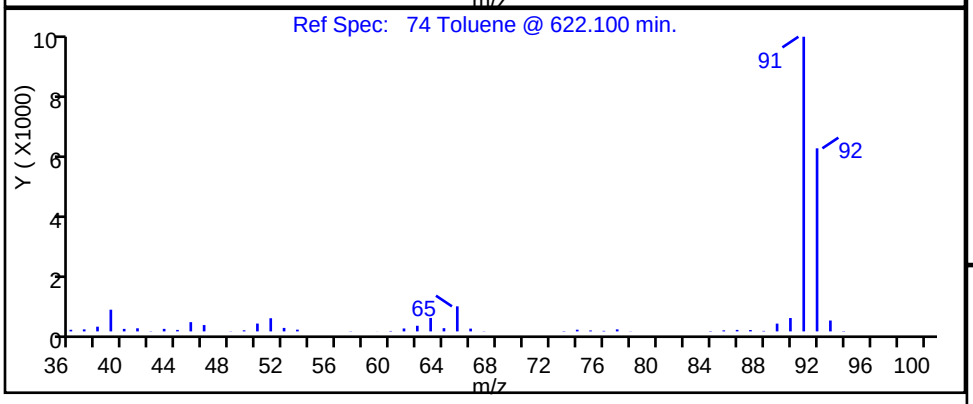
Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2200.D

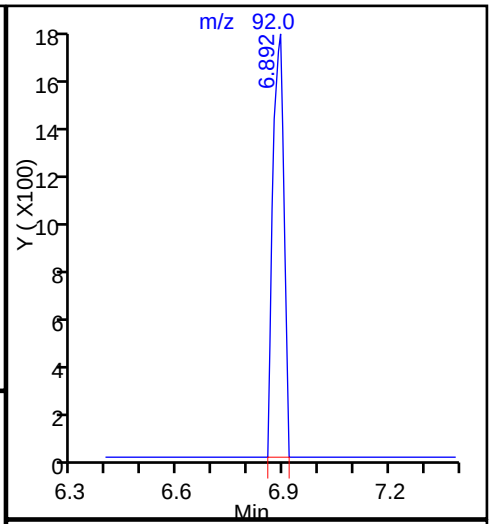
Injection Date:	18-Sep-2014 07:17:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-5-A	Lab Sample ID:	480-67484-5
Client ID:	DUP-1		
Operator ID:	CDC	ALS Bottle#:	19 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

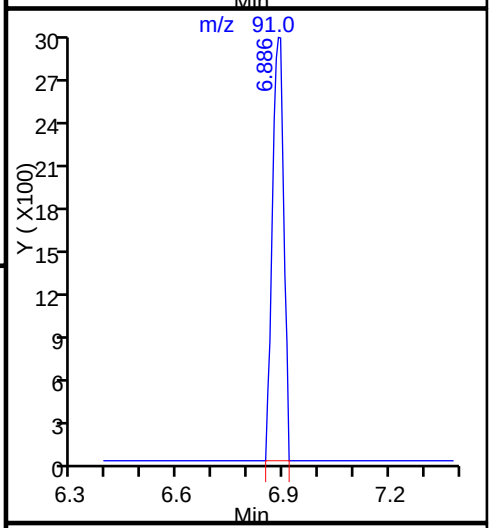
74 Toluene, CAS: 108-88-3

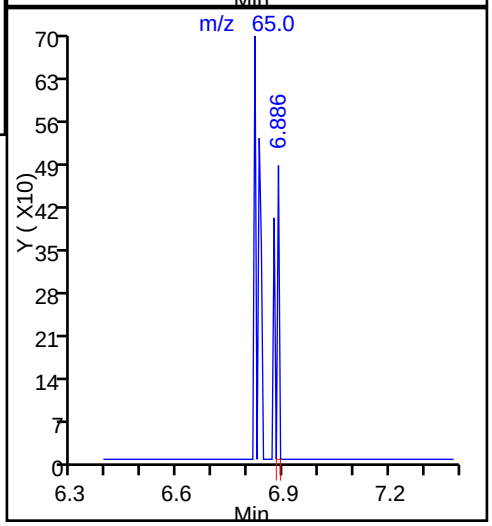












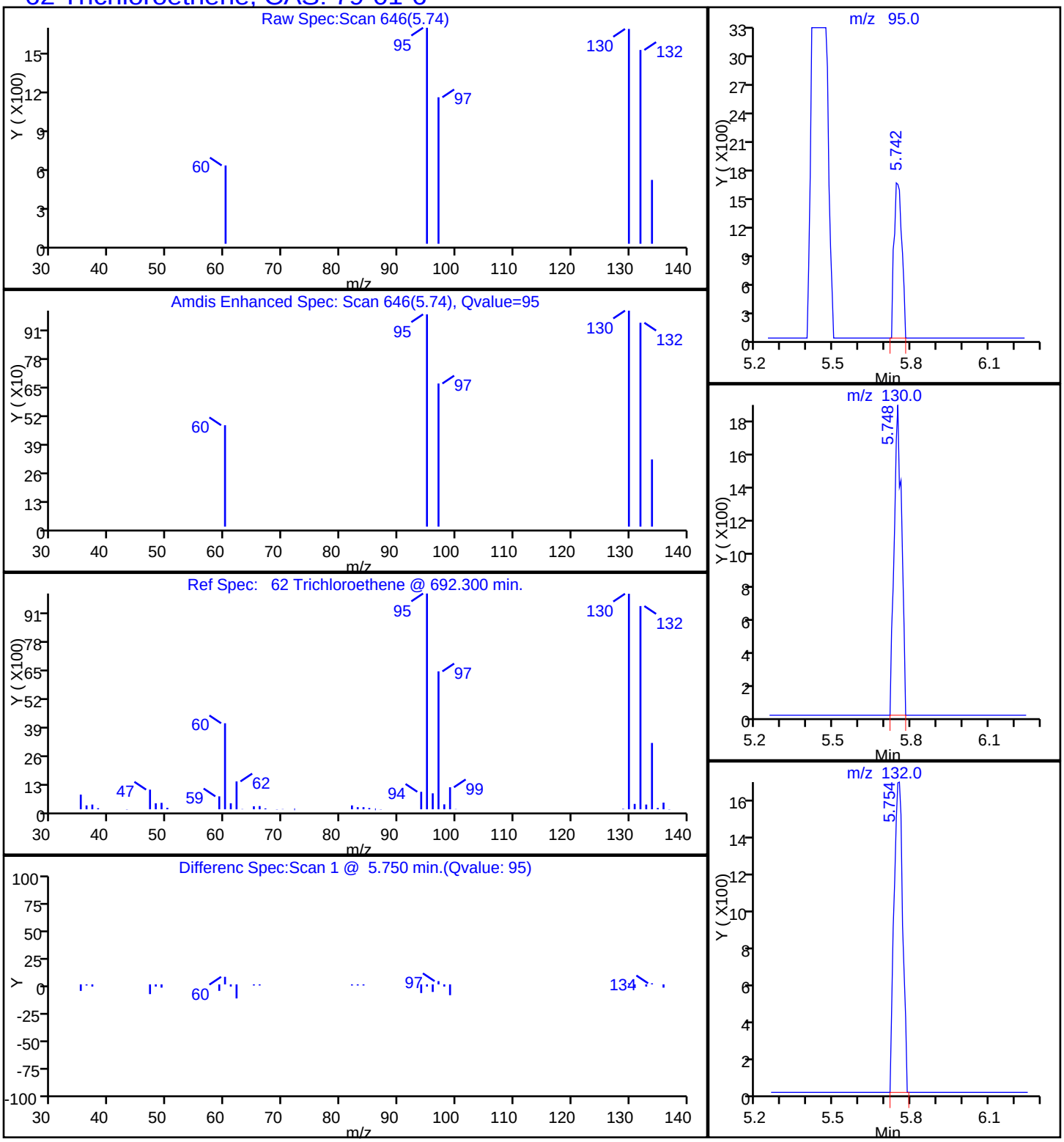
Report Date: 18-Sep-2014 20:14:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2200.D

Injection Date:	18-Sep-2014 07:17:30	Instrument ID:	HP5973F
Lims ID:	480-67484-A-5-A	Lab Sample ID:	480-67484-5
Client ID:	DUP-1		
Operator ID:	CDC	ALS Bottle#:	19 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6



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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1 Analy Batch No.: 201860

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 10:42 Calibration End Date: 09/11/2014 13:15 Calibration ID: 20104

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-201860/3	F1965.D
Level 2	IC 480-201860/4	F1966.D
Level 3	IC 480-201860/5	F1967.D
Level 4	IC 480-201860/6	F1968.D
Level 5	ICIS 480-201860/7	F1969.D
Level 6	IC 480-201860/9	F1970.D
Level 7	IC 480-201860/8	F1971.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	1.9470	1.9587 1.9490	1.9814	1.9368	1.8912	Ave		1.9440			0.1000	1.5		20.0			
Chloromethane	1.7541	1.9113 1.7262	1.9161	1.8071	1.7270	Ave		1.8070			0.1000	4.9		20.0			
Vinyl chloride	1.8384 1.7597	1.8662 1.7170	1.8599	1.7814	1.7030	Ave		1.7894			0.1000	3.7		20.0			
Butadiene	1.7153 1.5952	1.7389 1.5604	1.7042	1.6269	1.5534	Ave		1.6421				4.7		20.0			
Bromomethane	0.8465	0.9468 0.8374	0.9378	0.8743	0.8821	Ave		0.8875			0.1000	5.1		20.0			
Chloroethane	0.8314	0.9408 0.8439	0.9030	0.8275	0.8288	Ave		0.8626			0.1000	5.5		20.0			
Dichlorofluoromethane	2.3692 2.1384	2.2651 2.0747	2.2089	2.0470	2.0388	Ave		2.1632				5.7		20.0			
Trichlorofluoromethane	1.7833	1.8038 1.7748	1.7558	1.6652	1.6698	Ave		1.7421			0.1000	3.4		20.0			
Ethyl ether	1.0084 1.1573	1.1594 1.1351	1.1910	1.2145	1.1528	Ave		1.1455				5.8		20.0			
Acrolein	0.2120	0.2270 0.2123	0.2210	0.2288	0.2104	Ave		0.2186				3.7		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1588 1.2596	1.1558 1.2679	1.2165	1.2527	1.1954	Ave		1.2152			0.1000	3.9		20.0			
1,1-Dichloroethene	1.1220 1.2166	1.1835 1.2007	1.1980	1.2175	1.1689	Ave		1.1867			0.1000	2.8		20.0			
Acetone	0.4010	0.4532 0.4042	0.4465	0.4313	0.3972	Ave		0.4223			0.1000	5.8		20.0			
Iodomethane	2.1688	2.1080 2.1338	2.1551	2.1866	2.1224	Ave		2.1458				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.: 480-67484-1 Analy Batch No.: 201860

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 10:42 Calibration End Date: 09/11/2014 13:15 Calibration ID: 20104

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	4.1699 4.8890	4.4428 4.8606	4.5708	4.7457	4.6730	Ave		4.6217			0.1000	5.5		20.0			
Methyl acetate	0.9700	1.0420 0.9531	1.0334	1.0649	0.9519	Ave		1.0026			0.1000	5.0		20.0			
Allyl chloride	2.0510	2.0416 2.0157	2.0166	2.0610	1.9829	Ave		2.0281				1.4		20.0			
Methylene Chloride	1.7961 1.4031	1.6556 1.3724	1.5204	1.4742	1.3798	Ave		1.5145			0.1000	10.0		20.0			
2-Methyl-2-propanol	0.1318	0.1344 0.1476	0.1307	0.1414	0.1223	Ave		0.1347				6.6		20.0			
Methyl tert-butyl ether	3.6864 4.2298	4.0261 4.1689	4.0638	4.3122	3.9872	Ave		4.0678			0.1000	5.0		20.0			
trans-1,2-Dichloroethene	1.3172 1.3543	1.3091 1.3447	1.3431	1.3820	1.3236	Ave		1.3391			0.1000	1.9		20.0			
Acrylonitrile	0.3725 0.4240	0.4371 0.4238	0.4355	0.4653	0.4166	Ave		0.4250				6.6		20.0			
Hexane	2.3418 1.9248	2.1040 1.8932	1.9592	1.9632	1.8239	Ave		2.0015				8.6		20.0			
Vinyl acetate	1.7280	1.5317 1.7182	1.5975	1.7061	1.6634	Ave		1.6575				4.7		20.0			
1,1-Dichloroethane	2.2075 2.3507	2.2979 2.3141	2.3380	2.3509	2.2944	Ave		2.3076			0.2000	2.2		20.0			
2-Butanone (MEK)	0.5904	0.6288 0.5875	0.6237	0.6604	0.5766	Ave		0.6112			0.1000	5.2		20.0			
2,2-Dichloropropane	1.6510 2.0390	1.8170 2.0416	1.8922	1.9477	1.9171	Ave		1.9008				7.2		20.0			
cis-1,2-Dichloroethene	1.3694 1.4759	1.4701 1.4485	1.4649	1.4952	1.4419	Ave		1.4523			0.1000	2.8		20.0			
Chlorobromomethane	0.5878 0.7033	0.6708 0.6934	0.6897	0.7028	0.6830	Ave		0.6758				6.0		20.0			
Tetrahydrofuran	0.3739	0.3910 0.3770	0.3931	0.4191	0.3648	Ave		0.3865				5.0		20.0			
Chloroform	2.2601 2.3936	2.3916 2.3698	2.3827	2.3946	2.3379	Ave		2.3615			0.2000	2.1		20.0			
1,1,1-Trichloroethane	1.7578 2.0475	1.8408 2.0641	1.9017	1.9383	1.9326	Ave		1.9261			0.1000	5.6		20.0			
Cyclohexane	2.1021	2.0910 2.1060	2.0713	2.0798	2.0025	Ave		2.0755			0.1000	1.8		20.0			
1,1-Dichloropropene	1.6534 1.7943	1.7430 1.7903	1.7469	1.7911	1.7133	Ave		1.7475				3.0		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.: 480-67484-1 Analy Batch No.: 201860

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 10:42 Calibration End Date: 09/11/2014 13:15 Calibration ID: 20104

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 tetrachloride	1.2998 1.7488	1.3821 1.8203	1.4216	1.5258	1.5704	Ave		1.5384			0.1000	12.0		20.0			
Isobutyl alcohol	0.0443 0.0601	0.0572 0.0639	0.0584	0.0634	0.0560	Ave		0.0576				11.0		20.0			
Benzene	5.1119 5.4341	5.4515 5.3038	5.4999	5.5482	5.3073	Ave		5.3795			0.5000	2.8		20.0			
1,2-Dichloroethane	1.7702 1.8946	1.8375 1.8815	1.8913	1.9453	1.8440	Ave		1.8664			0.1000	3.0		20.0			
n-Heptane	1.9751 2.0166	2.0265 1.9656	2.0214	1.9806	1.8571	Ave		1.9776				3.0		20.0			
Trichloroethene	1.3292 1.3789	1.3581 1.3689	1.3398	1.3894	1.3339	Ave		1.3569			0.2000	1.7		20.0			
Methylcyclohexane	2.1591 2.4265	2.2875 2.4129	2.3043	2.3562	2.2503	Ave		2.3138			0.1000	4.1		20.0			
1,2-Dichloropropane	1.1693 1.2850	1.2451 1.2650	1.2677	1.2911	1.2474	Ave		1.2530			0.1000	3.2		20.0			
1,4-Dioxane	 0.0067	0.0042 0.0072	0.0059	0.0069	0.0064	Ave		0.0062				17.0		20.0			
Dibromomethane	0.7030 0.8136	0.7622 0.8134	0.7800	0.8176	0.7814	Ave		0.7816			0.1000	5.2		20.0			
Bromodichloromethane	1.3046 1.7846	1.3917 1.8304	1.4724	1.5540	1.6396	Ave		1.5682			0.2000	13.0		20.0			
2-Chloroethyl vinyl ether	 0.7900	0.7099 0.7910	0.7555	0.7938	0.7628	Ave		0.7672				4.2		20.0			
cis-1,3-Dichloropropene	1.6544 2.2076	1.9385 2.2088	1.9607	2.0903	2.1072	Ave		2.0239			0.2000	9.6		20.0			
4-Methyl-2-pentanone (MIBK)	 0.6068	0.6119 0.5921	0.6274	0.6556	0.5919	Ave		0.6143			0.1000	3.9		20.0			
Toluene	1.9643 1.7639	1.8948 1.7083	1.8038	1.7912	1.7169	Ave		1.8062			0.4000	5.2		20.0			
Ethyl methacrylate	 0.9240	0.7764 0.9168	0.8243	0.9078	0.8768	Ave		0.8710				6.8		20.0			
trans-1,3-Dichloropropene	0.7268 0.9879	0.8008 0.9850	0.8543	0.9044	0.9250	Ave		0.8835			0.1000	11.0		20.0			
1,1,2-Trichloroethane	0.4238 0.4881	0.4713 0.4760	0.4678	0.4860	0.4681	Ave		0.4687			0.1000	4.6		20.0			
Tetrachloroethene	0.6544 0.7217	0.6953 0.7060	0.7160	0.7054	0.6883	Ave		0.6982			0.2000	3.2		20.0			
1,3-Dichloropropane	0.9190 1.0284	1.0059 1.0062	1.0297	1.0535	1.0016	Ave		1.0063				4.2		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.: 480-67484-1 Analy Batch No.: 201860

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 10:42 Calibration End Date: 09/11/2014 13:15 Calibration ID: 20104

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	0.4460	0.4245 0.4381	0.4416	0.4734	0.4295	Ave		0.4422			0.1000	3.9		20.0			
Dibromochloromethane	0.3623 0.6232	0.4055 0.6545	0.4353	0.4937	0.5465	Lin1	-1.174	0.6347			0.1000				0.9950		0.9900
1,2-Dibromoethane	0.4912 0.5871	0.5305 0.5813	0.5548	0.5814	0.5615	Ave		0.5554				6.2		20.0			
Chlorobenzene	1.7453 1.8784	1.8764 1.8155	1.8630	1.8936	1.8389	Ave		1.8444			0.5000	2.8		20.0			
Ethylbenzene	3.1636 3.2705	3.2794 3.1446	3.2801	3.2810	3.1828	Ave		3.2288			0.1000	1.9		20.0			
1,1,1,2-Tetrachloroethane	0.4743 0.6432	0.4927 0.6445	0.5391	0.5757	0.5987	Ave		0.5669				12.0		20.0			
m,p-Xylene	1.2717	1.2738 1.2441	1.2361	1.2738	1.2372	Ave		1.2561			0.1000	1.5		20.0			
o-Xylene	1.1383 1.2340	1.1906 1.1989	1.2029	1.2130	1.1901	Ave		1.1954			0.3000	2.5		20.0			
Styrene	1.8340 2.1514	1.9919 2.0915	2.0408	2.0890	2.0823	Ave		2.0401			0.3000	5.1		20.0			
Bromoform	0.1686 0.3757	0.2125 0.4102	0.2198	0.2620	0.3080	Lin	-2.403	0.4149			0.1000				0.9970		0.9900
Isopropylbenzene	3.2486 3.3446	3.3693 3.1937	3.4204	3.3957	3.2613	Ave		3.3191			0.1000	2.6		20.0			
1,1,2,2-Tetrachloroethane	0.6944 0.7954	0.7643 0.7759	0.7780	0.8143	0.7749	Ave		0.7710			0.3000	4.9		20.0			
Bromobenzene	0.8206 0.8554	0.8555 0.8311	0.8686	0.8671	0.8434	Ave		0.8488				2.1		20.0			
trans-1,4-Dichloro-2-butene	0.2449	0.2009 0.2536	0.2043	0.2289	0.2292	Ave		0.2270				9.3		20.0			
N-Propylbenzene	3.9342 4.0447	4.0917 3.8362	4.1636	4.1221	3.9894	Ave		4.0260				2.8		20.0			
1,2,3-Trichloropropane	0.2233 0.2431	0.2396 0.2378	0.2505	0.2529	0.2381	Ave		0.2407				4.0		20.0			
2-Chlorotoluene	0.7420 0.8000	0.7927 0.7740	0.8050	0.8002	0.7728	Ave		0.7838				2.9		20.0			
1,3,5-Trimethylbenzene	2.7310 2.8418	2.8228 2.7325	2.8605	2.8581	2.7778	Ave		2.8035				2.0		20.0			
4-Chlorotoluene	0.7979 0.8364	0.8133 0.8111	0.8379	0.8402	0.8196	Ave		0.8223				2.0		20.0			
tert-Butylbenzene	0.6071 0.6377	0.6322 0.6229	0.6323	0.6270	0.6091	Ave		0.6240				1.9		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 CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1 Analy Batch No.: 201860

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 10:42 Calibration End Date: 09/11/2014 13:15 Calibration ID: 20104

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	2.7974 2.9362	2.9151 2.8141	3.0041	2.9395	2.8973	Ave		2.9005				2.5		20.0			
sec-Butylbenzene	3.4666 3.6173	3.5488 3.4363	3.6200	3.6109	3.5099	Ave		3.5443				2.1		20.0			
4-Isopropyltoluene	2.9638 3.1916	3.0585 3.0388	3.1981	3.1830	3.1052	Ave		3.1056				2.9		20.0			
1,3-Dichlorobenzene	1.5881 1.6347	1.6379 1.5798	1.6616	1.6630	1.6087	Ave		1.6248			0.6000	2.1		20.0			
1,4-Dichlorobenzene	1.6560 1.6514	1.6698 1.5931	1.6883	1.6586	1.6300	Ave		1.6496			0.5000	1.9		20.0			
n-Butylbenzene	2.6756 2.9265	2.8009 2.8097	2.9399	2.8854	2.8354	Ave		2.8390				3.2		20.0			
1,2-Dichlorobenzene	1.4902 1.5637	1.5723 1.5083	1.5708	1.5741	1.5328	Ave		1.5446			0.4000	2.2		20.0			
1,2-Dibromo-3-Chloropropane	0.0789 0.1434	0.0917 0.1516	0.1082	0.1253	0.1271	Lin1	-0.261	0.1473			0.0500				0.9970		0.9900
1,2,4-Trichlorobenzene	0.9319 1.0874	1.0128 1.0439	1.0657	1.0738	1.0583	Ave		1.0391			0.2000	5.1		20.0			
Hexachlorobutadiene	0.5874 0.6225	0.6072 0.5938	0.6177	0.6059	0.5885	Ave		0.6033				2.3		20.0			
Naphthalene	 2.5369	2.3026 2.4397	2.4432	2.5745	2.4328	Ave		2.4550				3.9		20.0			
1,2,3-Trichlorobenzene	0.8392 1.0059	0.9476 0.9534	0.9856	0.9995	0.9788	Ave		0.9586				5.9		20.0			
Dibromofluoromethane (Surr)	0.9995 1.0347	1.0164 1.0477	1.0127	1.0297	1.0378	Ave		1.0255				1.6		20.0			
1,2-Dichloroethane-d4 (Surr)	0.6279 0.6447	0.6506 0.6565	0.6567	0.6610	0.6407	Ave		0.6483				1.8		20.0			
Toluene-d8 (Surr)	2.0411 2.0512	2.0542 2.0541	2.0367	2.0545	2.0450	Ave		2.0481				0.4		20.0			
4-Bromofluorobenzene (Surr)	0.6216 0.6453	0.6289 0.6467	0.6304	0.6361	0.6395	Ave		0.6355				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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1 Analy Batch No.: 201860

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 10:42 Calibration End Date: 09/11/2014 13:15 Calibration ID: 20104

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-201860/3	F1965.D
Level 2	IC 480-201860/4	F1966.D
Level 3	IC 480-201860/5	F1967.D
Level 4	IC 480-201860/6	F1968.D
Level 5	ICIS 480-201860/7	F1969.D
Level 6	IC 480-201860/9	F1970.D
Level 7	IC 480-201860/8	F1971.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	553304	27134 1111027	55087	108008	267431	100	5.00 200	10.0	20.0	50.0
Chloromethane	FB	Ave	498489	26478 984026	53271	100775	244211	100	5.00 200	10.0	20.0	50.0
Vinyl chloride	FB	Ave	13029 500090	25853 978784	51708	99338	240812	2.50 100	5.00 200	10.0	20.0	50.0
Butadiene	FB	Ave	12157 453332	24090 889556	47381	90725	219661	2.50 100	5.00 200	10.0	20.0	50.0
Bromomethane	FB	Ave	240561	13116 477353	26073	48756	124742	100	5.00 200	10.0	20.0	50.0
Chloroethane	FB	Ave	236285	13033 481077	25104	46145	117196	100	5.00 200	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	16791 607709	31379 1182709	61413	114149	288301	2.50 100	5.00 200	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	506804	24988 1011736	48814	92859	236122	100	5.00 200	10.0	20.0	50.0
Ethyl ether	FB	Ave	7147 328891	16062 647104	33112	67727	163020	2.50 100	5.00 200	10.0	20.0	50.0
Acrolein	FB	Ave	301263	15723 605115	30728	63793	148774	500	25.0 1000	50.0	100	250
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	8213 357959	16011 722768	33821	69858	169037	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloroethene	FB	Ave	7952 345757	16395 684457	33306	67892	165286	2.50 100	5.00 200	10.0	20.0	50.0
Acetone	FB	Ave	569774	31395 1152214	62067	120266	280848	500	25.0 1000	50.0	100	250
Iodomethane	FB	Ave	616350	29203 1216409	59915	121935	300127	100	5.00 200	10.0	20.0	50.0
Carbon disulfide	FB	Ave	29553 1389392	61548 2770836	127076	264643	660795	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1 Analy Batch No.: 201860

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 10:42 Calibration End Date: 09/11/2014 13:15 Calibration ID: 20104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl acetate	FB	Ave	1378316	72174 2716627	143650	296933	673055	500	25.0 1000	50.0	100	250
Allyl chloride	FB	Ave	582863	28283 1149099	56065	114932	280394	100	5.00 200	10.0	20.0	50.0
Methylene Chloride	FB	Ave	12729 398751	22936 782368	42270	82210	195113	2.50 100	5.00 200	10.0	20.0	50.0
2-Methyl-2-propanol	FB	Ave	374651	18613 841673	36345	78856	172877	1000	50.0 2000	100	200	500
Methyl tert-butyl ether	FB	Ave	26126 1202075	55775 2376540	112982	240469	563824	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	9335 384882	18135 766540	37341	77065	187161	2.50 100	5.00 200	10.0	20.0	50.0
Acrylonitrile	FB	Ave	26402 1204903	60559 2415839	121080	259452	589119	25.0 1000	50.0 2000	100	200	500
Hexane	FB	Ave	16597 547007	29148 1079270	54471	109480	257912	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl acetate	FB	Ave	982159	42437 1958954	88827	190285	470425	200	10.0 400	20.0	40.0	100
1,1-Dichloroethane	FB	Ave	15645 668041	31833 1319161	65002	131099	324440	2.50 100	5.00 200	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	838977	43553 1674470	86704	184149	407706	500	25.0 1000	50.0	100	250
2,2-Dichloropropane	FB	Ave	11701 579451	25171 1163825	52608	108614	271085	2.50 100	5.00 200	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	9705 419422	20366 825718	40727	83381	203889	2.50 100	5.00 200	10.0	20.0	50.0
Chlorobromomethane	FB	Ave	4166 199877	9293 395290	19175	39191	96579	2.50 100	5.00 200	10.0	20.0	50.0
Tetrahydrofuran	FB	Ave	212510	10834 429795	21858	46738	103176	200	10.0 400	20.0	40.0	100
Chloroform	FB	Ave	16018 680229	33132 1350920	66245	133534	330601	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	12458 581885	25501 1176692	52870	108088	273285	2.50 100	5.00 200	10.0	20.0	50.0
Cyclohexane	FB	Ave	597409	28967 1200558	57585	115982	283170	100	5.00 200	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	11718 509931	24146 1020572	48568	99879	242277	2.50 100	5.00 200	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	9212 497005	19146 1037661	39524	85087	222068	2.50 100	5.00 200	10.0	20.0	50.0
Isobutyl alcohol	FB	Ave	7848 427247	19824 910913	40622	88406	197944	62.5 2500	125 5000	250	500	1250

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1 Analy Batch No.: 201860

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 10:42 Calibration End Date: 09/11/2014 13:15 Calibration ID: 20104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			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	36229 1544311	75521 3023526	152907	309395	750491	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	12546 538437	25456 1072567	52583	108482	260751	2.50 100	5.00 200	10.0	20.0	50.0
n-Heptane	FB	Ave	13998 573088	28074 1120544	56200	110447	262606	2.50 100	5.00 200	10.0	20.0	50.0
Trichloroethene	FB	Ave	9420 391879	18814 780348	37248	77481	188619	2.50 100	5.00 200	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	15302 689590	31689 1375533	64064	131393	318210	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	8287 365187	17249 721147	35245	72001	176396	2.50 100	5.00 200	10.0	20.0	50.0
1,4-Dioxane	CBZ	Ave	 75104	2296 162350	6521	15205	35731	 2000	100 4000	200	400	1000
Dibromomethane	FB	Ave	4982 231212	10559 463672	21686	45592	110497	2.50 100	5.00 200	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	9246 507153	19279 1043439	40936	86660	231845	2.50 100	5.00 200	10.0	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	 224515	9834 450933	21005	44267	107865	 100	5.00 200	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	11725 627364	26855 1259142	54511	116565	297979	2.50 100	5.00 200	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	 1692194	83250 3359510	172350	362889	825079	 500	25.0 1000	50.0	100	250
Toluene	CBZ	Ave	27096 983770	51560 1938484	99099	198307	478676	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl methacrylate	CBZ	Ave	 515327	21126 1040380	45287	100506	244441	 100	5.00 200	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	10026 550987	21792 1117772	46933	100120	257894	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	5846 272203	12824 540093	25703	53800	130510	2.50 100	5.00 200	10.0	20.0	50.0
Tetrachloroethene	CBZ	Ave	9027 402486	18921 801157	39335	78091	191910	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichloropropane	CBZ	Ave	12676 573579	27372 1141834	56568	116633	279245	2.50 100	5.00 200	10.0	20.0	50.0
2-Hexanone	CBZ	Ave	 1243796	57758 2485775	121310	262042	598700	 500	25.0 1000	50.0	100	250
Dibromochloromethane	CBZ	Lin1	4997 347590	11033 742728	23913	54662	152373	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromoethane	CBZ	Ave	6775 327419	14436 659660	30482	64364	156559	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1 Analy Batch No.: 201860

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 10:42 Calibration End Date: 09/11/2014 13:15 Calibration ID: 20104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			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	24074 1047645	51060 2060083	102349	209634	512703	2.50 100	5.00 200	10.0	20.0	50.0
Ethylbenzene	CBZ	Ave	43638 1824002	89236 3568271	180206	363237	887364	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	6543 358736	13406 731383	29616	63732	166923	2.50 100	5.00 200	10.0	20.0	50.0
m,p-Xylene	CBZ	Ave	 709250	34662 1411705	67909	141021	344922	 100	5.00 200	10.0	20.0	50.0
o-Xylene	CBZ	Ave	15702 688232	32397 1360459	66084	134288	331810	2.50 100	5.00 200	10.0	20.0	50.0
Styrene	CBZ	Ave	25298 1199870	54201 2373274	112120	231275	580555	2.50 100	5.00 200	10.0	20.0	50.0
Bromoform	CBZ	Lin	2326 209532	5781 465507	12075	29003	85885	2.50 100	5.00 200	10.0	20.0	50.0
Isopropylbenzene	DCB	Ave	39827 1766587	83279 3457195	170766	347591	848170	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	8513 420112	18892 839930	38844	83351	201523	2.50 100	5.00 200	10.0	20.0	50.0
Bromobenzene	DCB	Ave	10060 451841	21146 899686	43367	88754	219336	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	 129370	4965 274549	10200	23433	59621	 100	5.00 200	10.0	20.0	50.0
N-Propylbenzene	DCB	Ave	48232 2136419	101135 4152638	207874	421947	1037531	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichloropropane	DCB	Ave	2738 128408	5921 257403	12505	25885	61912	2.50 100	5.00 200	10.0	20.0	50.0
2-Chlorotoluene	DCB	Ave	9097 422584	19593 837808	40192	81913	200986	2.50 100	5.00 200	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	33481 1501016	69771 2957866	142812	292557	722429	2.50 100	5.00 200	10.0	20.0	50.0
4-Chlorotoluene	DCB	Ave	9782 441780	20103 877993	41831	86002	213162	2.50 100	5.00 200	10.0	20.0	50.0
tert-Butylbenzene	DCB	Ave	7443 336829	15627 674246	31566	64185	158401	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	34295 1550874	72052 3046264	149982	300898	753499	2.50 100	5.00 200	10.0	20.0	50.0
sec-Butylbenzene	DCB	Ave	42500 1910665	87716 3719708	180735	369616	912830	2.50 100	5.00 200	10.0	20.0	50.0
4-Isopropyltoluene	DCB	Ave	36336 1685812	75596 3289464	159670	325818	807573	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	19470 863452	40485 1710152	82960	170226	418372	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1 Analy Batch No.: 201860

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 10:42 Calibration End Date: 09/11/2014 13:15 Calibration ID: 20104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			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	20302 872283	41272 1724463	84289	169782	423917	2.50 100	5.00 200	10.0	20.0	50.0
n-Butylbenzene	DCB	Ave	32802 1545765	69229 3041466	146779	295356	737404	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	18270 825927	38863 1632739	78426	161124	398648	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	967 75720	2266 164090	5401	12828	33067	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	11425 574354	25033 1129979	53205	109914	275247	2.50 100	5.00 200	10.0	20.0	50.0
Hexachlorobutadiene	DCB	Ave	7201 328823	15007 642823	30839	62020	153062	2.50 100	5.00 200	10.0	20.0	50.0
Naphthalene	DCB	Ave	 1339996	56913 2640965	121982	263532	632698	 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	10288 531293	23422 1031996	49208	102314	254570	2.50 100	5.00 200	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	141674 147022	140800 149317	140777	143552	146746	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	88994 91609	90123 93566	91286	92153	90602	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	563099 571982	558959 582710	559477	568632	570163	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	171493 179939	171121 183452	173160	176048	178303	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1965.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-Sep-2014 10:42:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0035271-003480-0035271-003
Operator ID: RAS Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Sep-2014 20:44:57 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: cwiklinc Date: 11-Sep-2014 20:44:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	99	141744	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	87	275879	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	96	245195	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.915	4.915	0.000	93	141674	50.0	48.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	88994	50.0	48.4	
$ 5 Toluene-d8 (Surr)	98	6.825	6.819	0.006	93	563099	50.0	49.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.490	9.484	0.006	90	171493	50.0	48.9	
10 Dichlorodifluoromethane	85		1.940					ND	
12 Chloromethane	50		2.098					ND	
13 Vinyl chloride	62	2.208	2.214	-0.006	86	13029	2.50	2.57	
151 Butadiene	54	2.214	2.226	-0.012	95	12157	2.50	2.61	
14 Bromomethane	94		2.506					ND	
15 Chloroethane	64		2.573					ND	
16 Dichlorofluoromethane	67	2.743	2.743	0.000	97	16791	2.50	2.74	
17 Trichlorofluoromethane	101		2.786					ND	
18 Ethyl ether	59	2.956	2.956	0.000	89	7147	2.50	2.20	
20 Acrolein	56		3.114					ND	
21 1,1,2-Trichloro-1,2,2-trif	101	3.151	3.157	-0.006	90	8213	2.50	2.38	
22 1,1-Dichloroethene	96	3.181	3.181	0.000	98	7952	2.50	2.36	
23 Acetone	43		3.224					ND	
25 Iodomethane	142		3.339					ND	
26 Carbon disulfide	76	3.394	3.394	0.000	99	29553	2.50	2.26	
27 Methyl acetate	43		3.443					ND	
28 3-Chloro-1-propene	41		3.449					ND	
30 Methylene Chloride	84	3.570	3.564	0.006	88	12729	2.50	2.96	
31 2-Methyl-2-propanol	59		3.607					ND	
32 Methyl tert-butyl ether	73	3.716	3.717	-0.001	95	26126	2.50	2.27	
34 trans-1,2-Dichloroethene	96	3.753	3.753	0.000	96	9335	2.50	2.46	
33 Acrylonitrile	53	3.765	3.765	0.000	99	26402	25.0	21.9	
35 Hexane	57	3.887	3.887	0.000	93	16597	2.50	2.93	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43		4.069					ND	
39 1,1-Dichloroethane	63	4.081	4.082	-0.001	95	15645	2.50	2.39	
43 2-Butanone (MEK)	43		4.526					ND	
44 2,2-Dichloropropane	77	4.532	4.532	0.000	70	11701	2.50	2.17	
45 cis-1,2-Dichloroethene	96	4.538	4.538	0.000	82	9705	2.50	2.36	
48 Chlorobromomethane	128	4.745	4.745	0.000	91	4166	2.50	2.17	
49 Tetrahydrofuran	42		4.763					ND	
50 Chloroform	83	4.781	4.781	0.000	94	16018	2.50	2.39	
51 1,1,1-Trichloroethane	97	4.927	4.927	0.000	69	12458	2.50	2.28	
52 Cyclohexane	56		4.951					ND	
54 1,1-Dichloropropene	75	5.043	5.043	0.000	92	11718	2.50	2.37	
55 Carbon tetrachloride	117	5.055	5.055	0.000	96	9212	2.50	2.11	
53 Isobutyl alcohol	43	5.116	5.104	0.012	86	7848	62.5	48.0	
57 Benzene	78	5.231	5.231	0.000	93	36229	2.50	2.38	
58 1,2-Dichloroethane	62	5.268	5.268	0.000	95	12546	2.50	2.37	
59 n-Heptane	43	5.322	5.323	-0.001	88	13998	2.50	2.50	
62 Trichloroethene	95	5.748	5.748	0.000	96	9420	2.50	2.45	
64 Methylcyclohexane	83	5.882	5.888	-0.006	90	15302	2.50	2.33	
65 1,2-Dichloropropane	63	5.973	5.974	-0.001	88	8287	2.50	2.33	
66 1,4-Dioxane	88		6.077					ND	
67 Dibromomethane	93	6.107	6.101	0.006	93	4982	2.50	2.25	
68 Dichlorobromomethane	83	6.217	6.217	0.000	97	9246	2.50	2.08	
69 2-Chloroethyl vinyl ether	63		6.418					ND	
72 cis-1,3-Dichloropropene	75	6.600	6.594	0.006	92	11725	2.50	2.04	
73 4-Methyl-2-pentanone (MIBK	43		6.691					ND	
74 Toluene	92	6.886	6.886	0.000	98	27096	2.50	2.72	
75 Ethyl methacrylate	69		7.105					ND	
77 trans-1,3-Dichloropropene	75	7.111	7.111	0.000	93	10026	2.50	2.06	
79 1,1,2-Trichloroethane	83	7.306	7.306	0.000	90	5846	2.50	2.26	
81 Tetrachloroethene	166	7.409	7.409	0.000	94	9027	2.50	2.34	
82 1,3-Dichloropropane	76	7.476	7.470	0.006	95	12676	2.50	2.28	
80 2-Hexanone	43		7.482					ND	
83 Chlorodibromomethane	129	7.713	7.713	0.000	85	4997	2.50	3.28	
84 Ethylene Dibromide	107	7.841	7.847	-0.006	96	6775	2.50	2.21	
87 Chlorobenzene	112	8.297	8.297	0.000	96	24074	2.50	2.37	
88 Ethylbenzene	91	8.358	8.358	0.000	98	43638	2.50	2.45	
89 1,1,1,2-Tetrachloroethane	131	8.376	8.370	0.006	89	6543	2.50	2.09	
90 m-Xylene & p-Xylene	106		8.474					ND	
91 o-Xylene	106	8.906	8.906	0.000	96	15702	2.50	2.38	
92 Styrene	104	8.930	8.930	0.000	94	25298	2.50	2.25	
95 Bromoform	173	9.204	9.204	0.000	89	2326	2.50	6.81	
94 Isopropylbenzene	105	9.271	9.271	0.000	96	39827	2.50	2.45	
97 1,1,2,2-Tetrachloroethane	83	9.648	9.648	0.000	93	8513	2.50	2.25	
101 Bromobenzene	156	9.660	9.660	0.000	95	10060	2.50	2.42	
98 trans-1,4-Dichloro-2-buten	53		9.691					ND	
99 N-Propylbenzene	91	9.697	9.691	0.006	99	48232	2.50	2.44	
100 1,2,3-Trichloropropane	110	9.703	9.703	0.000	51	2738	2.50	2.32	
103 2-Chlorotoluene	126	9.824	9.824	0.000	95	9097	2.50	2.37	
102 1,3,5-Trimethylbenzene	105	9.855	9.855	0.000	94	33481	2.50	2.44	
105 4-Chlorotoluene	126	9.928	9.928	0.000	98	9782	2.50	2.43	
106 tert-Butylbenzene	134	10.171	10.177	-0.006	92	7443	2.50	2.43	
107 1,2,4-Trimethylbenzene	105	10.226	10.226	0.000	97	34295	2.50	2.41	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.378	10.378	0.000	94	42500	2.50	2.45	
110 4-Isopropyltoluene	119	10.506	10.506	0.000	96	36336	2.50	2.39	
111 1,3-Dichlorobenzene	146	10.542	10.542	0.000	96	19470	2.50	2.44	
113 1,4-Dichlorobenzene	146	10.621	10.621	0.000	94	20302	2.50	2.51	
115 n-Butylbenzene	91	10.877	10.877	0.000	98	32802	2.50	2.36	
116 1,2-Dichlorobenzene	146	10.968	10.962	0.006	96	18270	2.50	2.41	
117 1,2-Dibromo-3-Chloropropan	75	11.643	11.643	0.000	77	967	2.50	3.11	
119 1,2,4-Trichlorobenzene	180	12.282	12.282	0.000	92	11425	2.50	2.24	
120 Hexachlorobutadiene	225	12.379	12.380	-0.001	96	7201	2.50	2.43	
121 Naphthalene	128		12.513					ND	
122 1,2,3-Trichlorobenzene	180	12.726	12.726	0.000	92	10288	2.50	2.19	
S 125 1,2-Dichloroethene, Total	1				0			4.82	
S 126 1,3-Dichloropropene, Total	1				0			4.10	
S 123 Total BTEX	1				0			9.92	
S 124 Xylenes, Total	1				0			2.38	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

8260 CORP mix_00020	Amount Added:	2.50	Units: uL	
GAS CORP mix_00046	Amount Added:	2.50	Units: uL	
F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00266	Amount Added:	1.00	Units: uL	Run Reagent

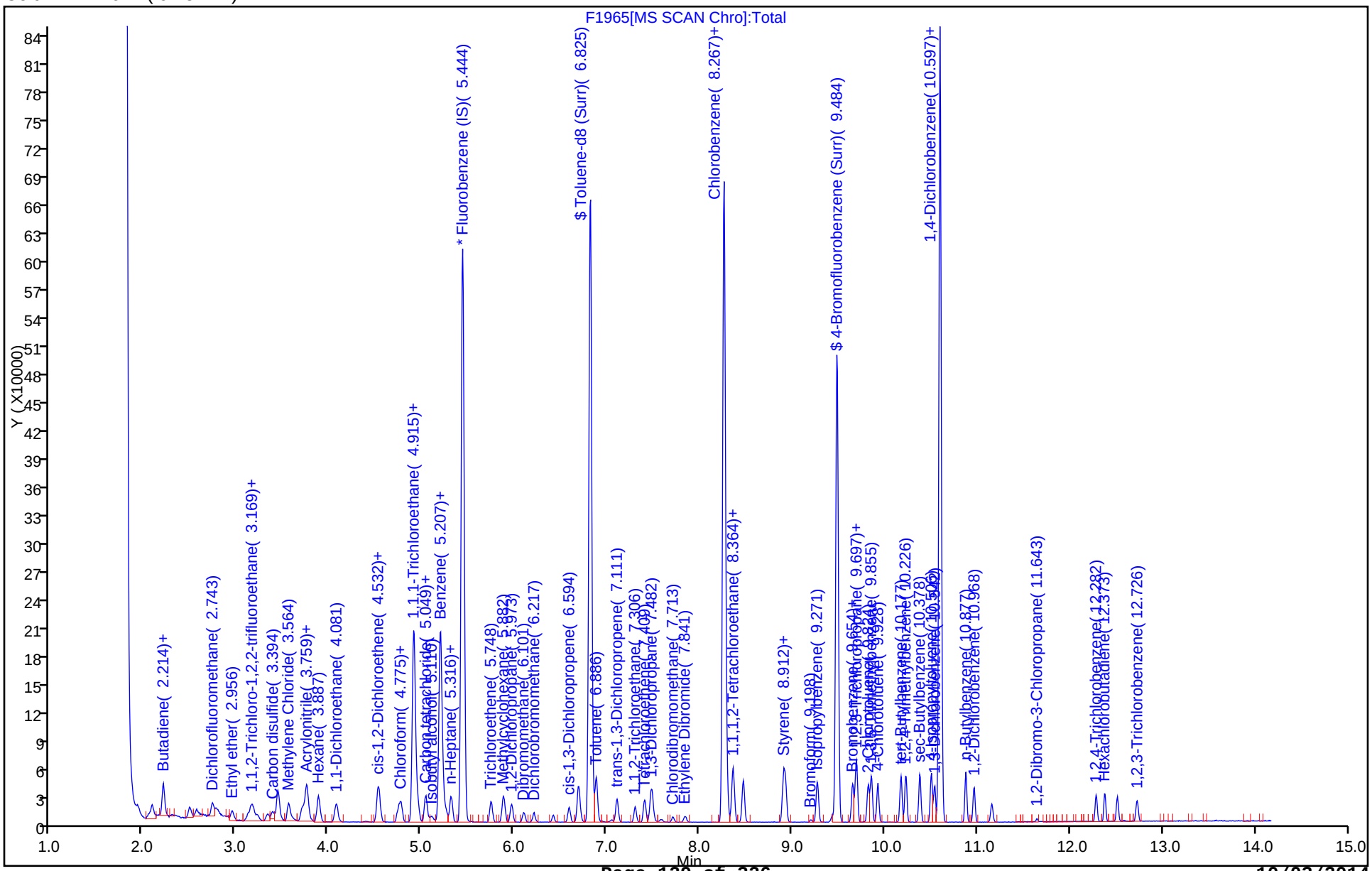
Report Date: 11-Sep-2014 20:44:59 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1965.D

Injection Date:	11-Sep-2014 10:42:30	Instrument ID:	HP5973F	Operator ID:	RAS
Lims ID:	IC			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1966.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-Sep-2014 11:08:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0035271-004480-0035271-004
Operator ID: RAS Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Sep-2014 20:46:03 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: cwiklinc Date: 11-Sep-2014 20:46:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	98	138533	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	87	272111	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	96	247169	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.915	4.915	0.000	93	140800	50.0	49.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	90123	50.0	50.2	
$ 5 Toluene-d8 (Surr)	98	6.819	6.819	0.000	93	558959	50.0	50.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.490	9.484	0.006	89	171121	50.0	49.5	
10 Dichlorodifluoromethane	85	1.934	1.940	-0.006	98	27134	5.00	5.04	
12 Chloromethane	50	2.092	2.098	-0.006	99	26478	5.00	5.29	
13 Vinyl chloride	62	2.208	2.214	-0.006	97	25853	5.00	5.21	
151 Butadiene	54	2.214	2.226	-0.012	95	24090	5.00	5.29	
14 Bromomethane	94	2.494	2.506	-0.012	92	13116	5.00	5.33	
15 Chloroethane	64	2.567	2.573	-0.006	98	13033	5.00	5.45	
16 Dichlorofluoromethane	67	2.743	2.743	0.000	97	31379	5.00	5.24	
17 Trichlorofluoromethane	101	2.780	2.786	-0.006	98	24988	5.00	5.18	
18 Ethyl ether	59	2.956	2.956	0.000	89	16062	5.00	5.06	
20 Acrolein	56	3.114	3.114	0.000	98	15723	25.0	26.0	
21 1,1,2-Trichloro-1,2,2-trif	101	3.157	3.157	0.000	84	16011	5.00	4.76	
22 1,1-Dichloroethene	96	3.181	3.181	0.000	98	16395	5.00	4.99	
23 Acetone	43	3.230	3.224	0.006	99	31395	25.0	26.8	
25 Iodomethane	142	3.339	3.339	0.000	99	29203	5.00	4.91	
26 Carbon disulfide	76	3.388	3.394	-0.006	100	61548	5.00	4.81	
27 Methyl acetate	43	3.449	3.443	0.006	96	72174	25.0	26.0	
28 3-Chloro-1-propene	41	3.449	3.449	0.000	67	28283	5.00	5.03	
30 Methylene Chloride	84	3.564	3.564	0.000	91	22936	5.00	5.47	
31 2-Methyl-2-propanol	59	3.613	3.607	0.006	97	18613	50.0	49.9	
32 Methyl tert-butyl ether	73	3.716	3.717	-0.001	95	55775	5.00	4.95	
34 trans-1,2-Dichloroethene	96	3.753	3.753	0.000	98	18135	5.00	4.89	
33 Acrylonitrile	53	3.765	3.765	0.000	100	60559	50.0	51.4	
35 Hexane	57	3.887	3.887	0.000	94	29148	5.00	5.26	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.069	4.069	0.000	98	42437	10.0	9.24	
39 1,1-Dichloroethane	63	4.081	4.082	-0.001	95	31833	5.00	4.98	
43 2-Butanone (MEK)	43	4.532	4.526	0.006	98	43553	25.0	25.7	
44 2,2-Dichloropropane	77	4.532	4.532	0.000	68	25171	5.00	4.78	
45 cis-1,2-Dichloroethene	96	4.538	4.538	0.000	84	20366	5.00	5.06	
48 Chlorobromomethane	128	4.745	4.745	0.000	87	9293	5.00	4.96	
49 Tetrahydrofuran	42	4.769	4.763	0.006	60	10834	10.0	10.1	
50 Chloroform	83	4.781	4.781	0.000	95	33132	5.00	5.06	
51 1,1,1-Trichloroethane	97	4.921	4.927	-0.006	96	25501	5.00	4.78	
52 Cyclohexane	56	4.951	4.951	0.000	91	28967	5.00	5.04	
54 1,1-Dichloropropene	75	5.043	5.043	0.000	95	24146	5.00	4.99	
55 Carbon tetrachloride	117	5.055	5.055	0.000	65	19146	5.00	4.49	
53 Isobutyl alcohol	43	5.110	5.104	0.006	92	19824	125.0	124.1	
57 Benzene	78	5.231	5.231	0.000	95	75521	5.00	5.07	
58 1,2-Dichloroethane	62	5.268	5.268	0.000	97	25456	5.00	4.92	
59 n-Heptane	43	5.316	5.323	-0.007	90	28074	5.00	5.12	
62 Trichloroethene	95	5.754	5.748	0.006	97	18814	5.00	5.00	
64 Methylcyclohexane	83	5.882	5.888	-0.006	88	31689	5.00	4.94	
65 1,2-Dichloropropane	63	5.967	5.974	-0.007	89	17249	5.00	4.97	
66 1,4-Dioxane	88	6.089	6.077	0.012	1	2296	100.0	69.8	
67 Dibromomethane	93	6.107	6.101	0.006	94	10559	5.00	4.88	
68 Dichlorobromomethane	83	6.217	6.217	0.000	98	19279	5.00	4.44	
69 2-Chloroethyl vinyl ether	63	6.418	6.418	0.000	93	9834	5.00	4.63	
72 cis-1,3-Dichloropropene	75	6.594	6.594	0.000	94	26855	5.00	4.79	
73 4-Methyl-2-pentanone (MIBK	43	6.691	6.691	0.000	96	83250	25.0	24.9	
74 Toluene	92	6.886	6.886	0.000	98	51560	5.00	5.25	
75 Ethyl methacrylate	69	7.111	7.105	0.006	75	21126	5.00	4.46	
77 trans-1,3-Dichloropropene	75	7.111	7.111	0.000	92	21792	5.00	4.53	
79 1,1,2-Trichloroethane	83	7.306	7.306	0.000	92	12824	5.00	5.03	
81 Tetrachloroethene	166	7.409	7.409	0.000	95	18921	5.00	4.98	
82 1,3-Dichloropropane	76	7.476	7.470	0.006	96	27372	5.00	5.00	
80 2-Hexanone	43	7.488	7.482	0.006	96	57758	25.0	24.0	
83 Chlorodibromomethane	129	7.713	7.713	0.000	88	11033	5.00	5.04	
84 Ethylene Dibromide	107	7.841	7.847	-0.006	97	14436	5.00	4.78	
87 Chlorobenzene	112	8.297	8.297	0.000	95	51060	5.00	5.09	
88 Ethylbenzene	91	8.358	8.358	0.000	98	89236	5.00	5.08	
89 1,1,1,2-Tetrachloroethane	131	8.370	8.370	0.000	90	13406	5.00	4.35	
90 m-Xylene & p-Xylene	106	8.474	8.474	0.000	0	34662	5.00	5.07	
91 o-Xylene	106	8.906	8.906	0.000	97	32397	5.00	4.98	
92 Styrene	104	8.930	8.930	0.000	94	54201	5.00	4.88	
95 Bromoform	173	9.204	9.204	0.000	94	5781	5.00	8.35	
94 Isopropylbenzene	105	9.271	9.271	0.000	96	83279	5.00	5.08	
97 1,1,2,2-Tetrachloroethane	83	9.648	9.648	0.000	95	18892	5.00	4.96	
101 Bromobenzene	156	9.660	9.660	0.000	94	21146	5.00	5.04	
98 trans-1,4-Dichloro-2-buten	53	9.690	9.691	-0.001	61	4965	5.00	4.42	
99 N-Propylbenzene	91	9.690	9.691	-0.001	99	101135	5.00	5.08	
100 1,2,3-Trichloropropane	110	9.697	9.703	-0.006	88	5921	5.00	4.98	
103 2-Chlorotoluene	126	9.824	9.824	0.000	96	19593	5.00	5.06	
102 1,3,5-Trimethylbenzene	105	9.855	9.855	0.000	94	69771	5.00	5.03	
105 4-Chlorotoluene	126	9.928	9.928	0.000	98	20103	5.00	4.95	
106 tert-Butylbenzene	134	10.177	10.177	0.000	92	15627	5.00	5.07	
107 1,2,4-Trimethylbenzene	105	10.226	10.226	0.000	96	72052	5.00	5.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.378	10.378	0.000	94	87716	5.00	5.01	
110 4-Isopropyltoluene	119	10.500	10.506	-0.006	96	75596	5.00	4.92	
111 1,3-Dichlorobenzene	146	10.542	10.542	0.000	96	40485	5.00	5.04	
113 1,4-Dichlorobenzene	146	10.621	10.621	0.000	95	41272	5.00	5.06	
115 n-Butylbenzene	91	10.877	10.877	0.000	98	69229	5.00	4.93	
116 1,2-Dichlorobenzene	146	10.968	10.962	0.006	97	38863	5.00	5.09	
117 1,2-Dibromo-3-Chloropropan	75	11.643	11.643	0.000	76	2266	5.00	4.88	
119 1,2,4-Trichlorobenzene	180	12.282	12.282	0.000	94	25033	5.00	4.87	
120 Hexachlorobutadiene	225	12.379	12.380	-0.001	97	15007	5.00	5.03	
121 Naphthalene	128	12.513	12.513	0.000	94	56913	5.00	4.69	
122 1,2,3-Trichlorobenzene	180	12.726	12.726	0.000	95	23422	5.00	4.94	
S 125 1,2-Dichloroethene, Total	1				0			9.95	
S 126 1,3-Dichloropropene, Total	1				0			9.32	
S 123 Total BTEX	1				0			25.4	
S 124 Xylenes, Total	1				0			10.1	

Reagents:

8260 CORP mix_00020	Amount Added:	5.00	Units: uL	
GAS CORP mix_00046	Amount Added:	5.00	Units: uL	
F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00266	Amount Added:	1.00	Units: uL	Run Reagent

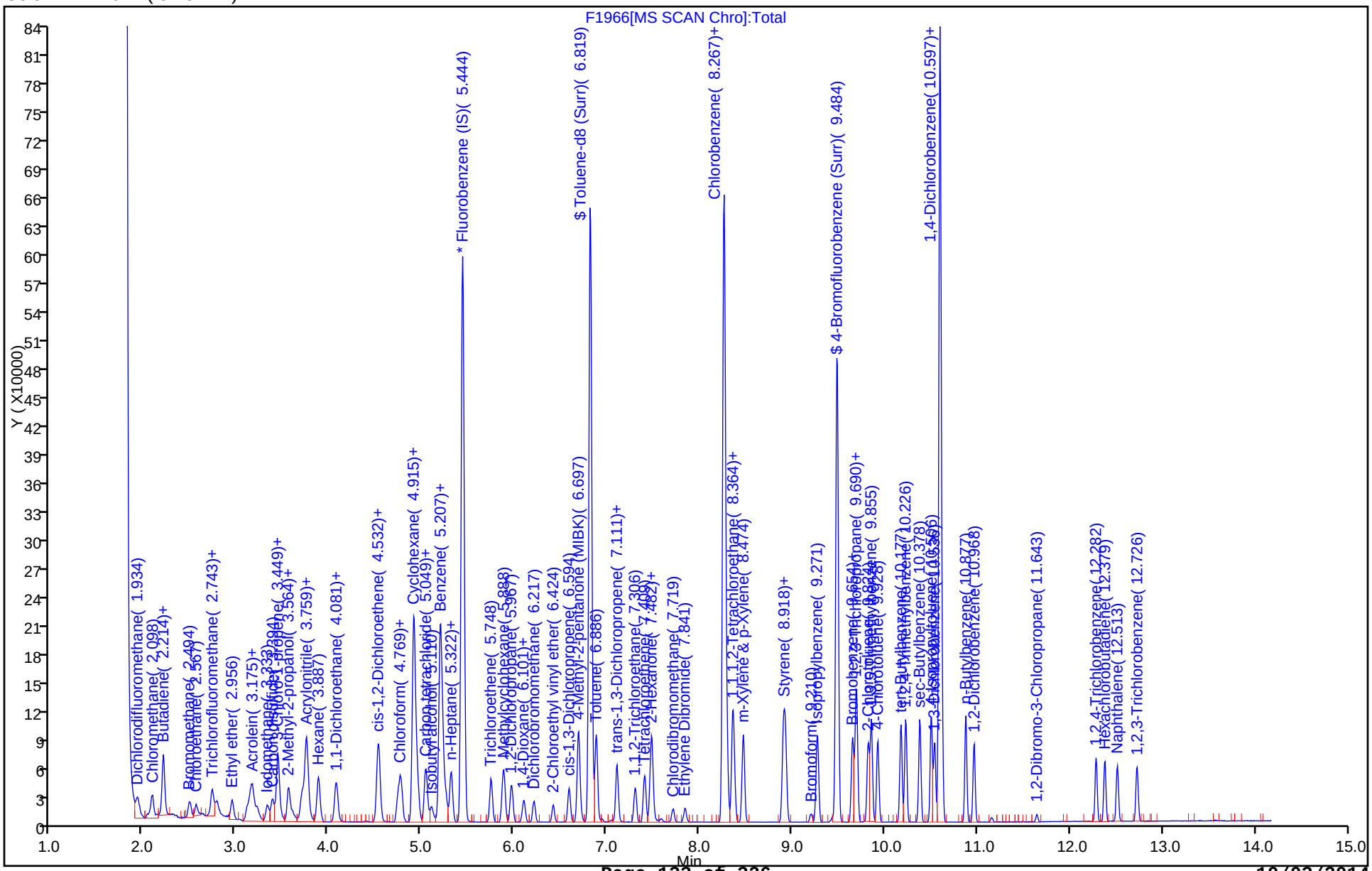
Report Date: 11-Sep-2014 20:46:04 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1966.D

Injection Date:	11-Sep-2014 11:08:30	Instrument ID:	HP5973F	Operator ID:	RAS
Lims ID:	IC 2			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1967.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-Sep-2014 11:33:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0035271-005480-0035271-005
Operator ID: RAS Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Sep-2014 20:46:41 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: cwiklinc Date: 11-Sep-2014 20:46:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	98	139010	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	87	274695	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	96	249632	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.915	4.915	0.000	93	140777	50.0	49.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	91286	50.0	50.6	
$ 5 Toluene-d8 (Surr)	98	6.825	6.819	0.006	93	559477	50.0	49.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.490	9.484	0.006	89	173160	50.0	49.6	
10 Dichlorodifluoromethane	85	1.934	1.940	-0.006	99	55087	10.0	10.2	
12 Chloromethane	50	2.098	2.098	0.000	100	53271	10.0	10.6	
13 Vinyl chloride	62	2.208	2.214	-0.006	99	51708	10.0	10.4	
151 Butadiene	54	2.220	2.226	-0.006	94	47381	10.0	10.4	
14 Bromomethane	94	2.500	2.506	-0.006	92	26073	10.0	10.6	
15 Chloroethane	64	2.567	2.573	-0.006	99	25104	10.0	10.5	
16 Dichlorofluoromethane	67	2.743	2.743	0.000	98	61413	10.0	10.2	
17 Trichlorofluoromethane	101	2.786	2.786	0.000	99	48814	10.0	10.1	
18 Ethyl ether	59	2.950	2.956	-0.006	89	33112	10.0	10.4	
20 Acrolein	56	3.120	3.114	0.006	98	30728	50.0	50.6	
21 1,1,2-Trichloro-1,2,2-trif	101	3.151	3.157	-0.006	94	33821	10.0	10.0	
22 1,1-Dichloroethene	96	3.181	3.181	0.000	97	33306	10.0	10.1	
23 Acetone	43	3.224	3.224	0.000	99	62067	50.0	52.9	
25 Iodomethane	142	3.339	3.339	0.000	99	59915	10.0	10.0	
26 Carbon disulfide	76	3.388	3.394	-0.006	99	127076	10.0	9.89	
27 Methyl acetate	43	3.449	3.443	0.006	97	143650	50.0	51.5	
28 3-Chloro-1-propene	41	3.455	3.449	0.006	90	56065	10.0	9.94	
30 Methylene Chloride	84	3.564	3.564	0.000	90	42270	10.0	10.0	
31 2-Methyl-2-propanol	59	3.613	3.607	0.006	98	36345	100.0	97.0	
32 Methyl tert-butyl ether	73	3.717	3.717	0.000	94	112982	10.0	10.0	
34 trans-1,2-Dichloroethene	96	3.753	3.753	0.000	98	37341	10.0	10.0	
33 Acrylonitrile	53	3.765	3.765	0.000	99	121080	100.0	102.5	
35 Hexane	57	3.887	3.887	0.000	94	54471	10.0	9.79	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.069	4.069	0.000	98	88827	20.0	19.3	
39 1,1-Dichloroethane	63	4.088	4.082	0.006	96	65002	10.0	10.1	
43 2-Butanone (MEK)	43	4.532	4.526	0.006	97	86704	50.0	51.0	
44 2,2-Dichloropropane	77	4.532	4.532	0.000	64	52608	10.0	9.96	
45 cis-1,2-Dichloroethene	96	4.538	4.538	0.000	84	40727	10.0	10.1	
48 Chlorobromomethane	128	4.751	4.745	0.006	93	19175	10.0	10.2	
49 Tetrahydrofuran	42	4.763	4.763	0.000	85	21858	20.0	20.3	
50 Chloroform	83	4.781	4.781	0.000	94	66245	10.0	10.1	
51 1,1,1-Trichloroethane	97	4.927	4.927	0.000	97	52870	10.0	9.87	
52 Cyclohexane	56	4.952	4.951	0.001	90	57585	10.0	9.98	
54 1,1-Dichloropropene	75	5.043	5.043	0.000	94	48568	10.0	10.0	
55 Carbon tetrachloride	117	5.055	5.055	0.000	72	39524	10.0	9.24	
53 Isobutyl alcohol	43	5.110	5.104	0.006	92	40622	250.0	253.5	
57 Benzene	78	5.231	5.231	0.000	97	152907	10.0	10.2	
58 1,2-Dichloroethane	62	5.268	5.268	0.000	97	52583	10.0	10.1	
59 n-Heptane	43	5.323	5.323	0.000	90	56200	10.0	10.2	
62 Trichloroethene	95	5.748	5.748	0.000	97	37248	10.0	9.87	
64 Methylcyclohexane	83	5.882	5.888	-0.006	88	64064	10.0	9.96	
65 1,2-Dichloropropane	63	5.974	5.974	0.000	90	35245	10.0	10.1	
66 1,4-Dioxane	88	6.077	6.077	0.000	33	6521	200.0	196.3	
67 Dibromomethane	93	6.107	6.101	0.006	96	21686	10.0	9.98	
68 Dichlorobromomethane	83	6.217	6.217	0.000	99	40936	10.0	9.39	
69 2-Chloroethyl vinyl ether	63	6.424	6.418	0.006	93	21005	10.0	9.85	
72 cis-1,3-Dichloropropene	75	6.594	6.594	0.000	94	54511	10.0	9.69	
73 4-Methyl-2-pentanone (MIBK	43	6.691	6.691	0.000	96	172350	50.0	51.1	
74 Toluene	92	6.886	6.886	0.000	98	99099	10.0	9.99	
75 Ethyl methacrylate	69	7.105	7.105	0.000	87	45287	10.0	9.46	
77 trans-1,3-Dichloropropene	75	7.111	7.111	0.000	95	46933	10.0	9.67	
79 1,1,2-Trichloroethane	83	7.306	7.306	0.000	92	25703	10.0	9.98	
81 Tetrachloroethene	166	7.409	7.409	0.000	97	39335	10.0	10.3	
82 1,3-Dichloropropane	76	7.476	7.470	0.006	98	56568	10.0	10.2	
80 2-Hexanone	43	7.488	7.482	0.006	96	121310	50.0	49.9	
83 Chlorodibromomethane	129	7.713	7.713	0.000	90	23913	10.0	8.71	
84 Ethylene Dibromide	107	7.847	7.847	0.000	97	30482	10.0	9.99	
87 Chlorobenzene	112	8.298	8.297	0.001	94	102349	10.0	10.1	
88 Ethylbenzene	91	8.358	8.358	0.000	98	180206	10.0	10.2	
89 1,1,1,2-Tetrachloroethane	131	8.377	8.370	0.007	90	29616	10.0	9.51	
90 m-Xylene & p-Xylene	106	8.474	8.474	0.000	0	67909	10.0	9.84	
91 o-Xylene	106	8.906	8.906	0.000	97	66084	10.0	10.1	
92 Styrene	104	8.930	8.930	0.000	94	112120	10.0	10.0	
95 Bromoform	173	9.210	9.204	0.006	95	12075	10.0	11.1	
94 Isopropylbenzene	105	9.271	9.271	0.000	96	170766	10.0	10.3	
97 1,1,2,2-Tetrachloroethane	83	9.648	9.648	0.000	97	38844	10.0	10.1	
101 Bromobenzene	156	9.660	9.660	0.000	94	43367	10.0	10.2	
98 trans-1,4-Dichloro-2-buten	53	9.691	9.691	0.000	64	10200	10.0	9.00	
99 N-Propylbenzene	91	9.697	9.691	0.006	99	207874	10.0	10.3	
100 1,2,3-Trichloropropane	110	9.703	9.703	0.000	86	12505	10.0	10.4	
103 2-Chlorotoluene	126	9.824	9.824	0.000	96	40192	10.0	10.3	
102 1,3,5-Trimethylbenzene	105	9.855	9.855	0.000	94	142812	10.0	10.2	
105 4-Chlorotoluene	126	9.928	9.928	0.000	98	41831	10.0	10.2	
106 tert-Butylbenzene	134	10.177	10.177	0.000	92	31566	10.0	10.1	
107 1,2,4-Trimethylbenzene	105	10.226	10.226	0.000	97	149982	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.378	10.378	0.000	95	180735	10.0	10.2	
110 4-Isopropyltoluene	119	10.506	10.506	0.000	96	159670	10.0	10.3	
111 1,3-Dichlorobenzene	146	10.542	10.542	0.000	97	82960	10.0	10.2	
113 1,4-Dichlorobenzene	146	10.621	10.621	0.000	96	84289	10.0	10.2	
115 n-Butylbenzene	91	10.877	10.877	0.000	98	146779	10.0	10.4	
116 1,2-Dichlorobenzene	146	10.968	10.962	0.006	97	78426	10.0	10.2	
117 1,2-Dibromo-3-Chloropropan	75	11.643	11.643	0.000	77	5401	10.0	9.12	
119 1,2,4-Trichlorobenzene	180	12.282	12.282	0.000	94	53205	10.0	10.3	
120 Hexachlorobutadiene	225	12.380	12.380	0.000	98	30839	10.0	10.2	
121 Naphthalene	128	12.513	12.513	0.000	97	121982	10.0	9.95	
122 1,2,3-Trichlorobenzene	180	12.726	12.726	0.000	95	49208	10.0	10.3	
S 125 1,2-Dichloroethene, Total	1				0			20.1	
S 126 1,3-Dichloropropene, Total	1				0			19.4	
S 123 Total BTEX	1				0			50.3	
S 124 Xylenes, Total	1				0			19.9	

Reagents:

8260 CORP mix_00020	Amount Added:	10.00	Units: uL	
GAS CORP mix_00046	Amount Added:	10.00	Units: uL	
F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00266	Amount Added:	1.00	Units: uL	Run Reagent

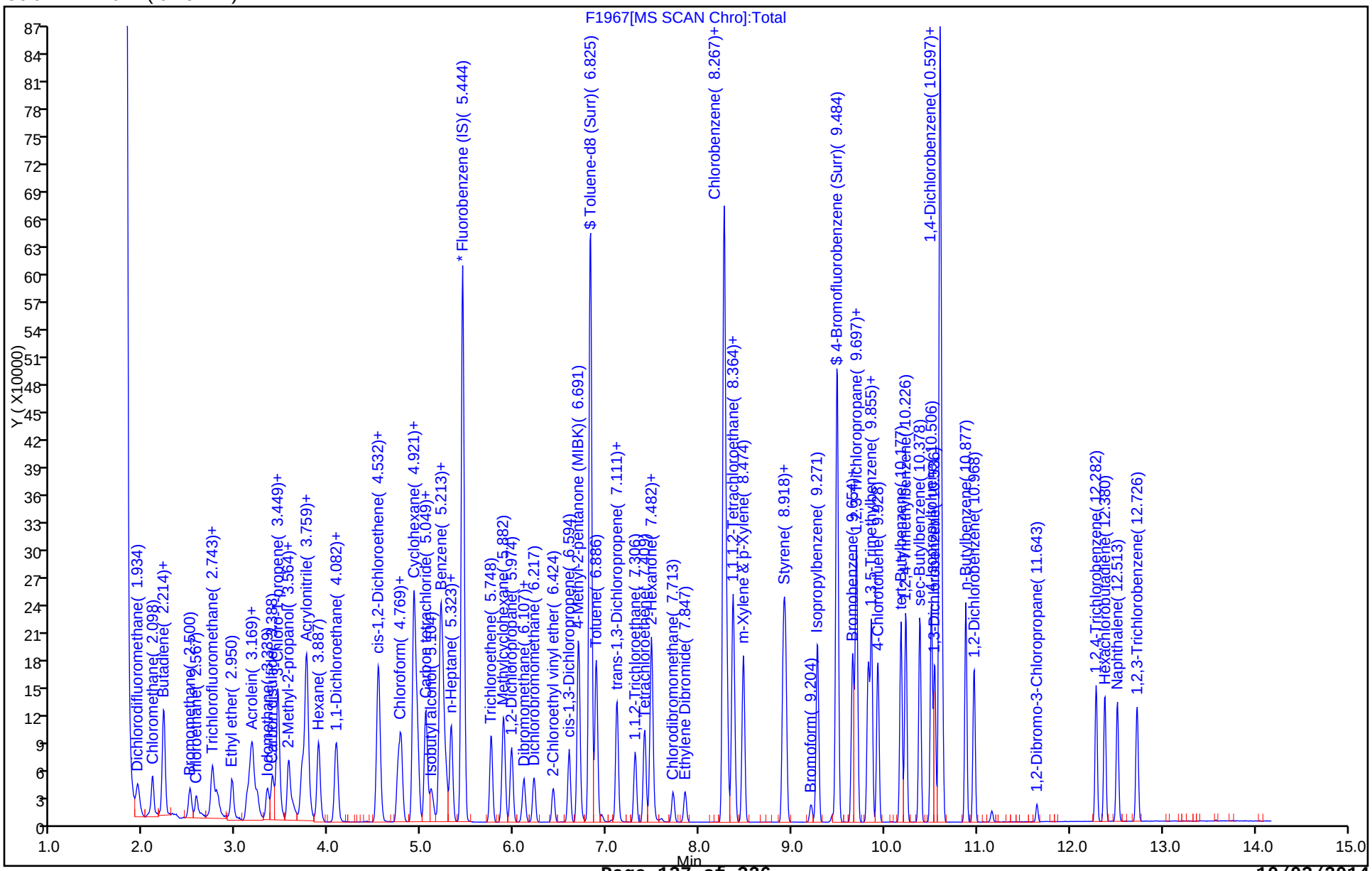
Report Date: 11-Sep-2014 20:46:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1967.D

Injection Date:	11-Sep-2014 11:33:30	Instrument ID:	HP5973F	Operator ID:	RAS
Lims ID:	IC 3			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1968.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-Sep-2014 11:59:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0035271-006480-0035271-006
Operator ID: RAS Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Sep-2014 12:28:05 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: cwiklinc Date: 11-Sep-2014 20:48:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	99	139413	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	87	276772	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	80	255905	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.915	4.915	0.000	81	143552	50.0	50.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	92153	50.0	51.0	
$ 5 Toluene-d8 (Surr)	98	6.819	6.819	0.000	84	568632	50.0	50.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.484	9.484	0.000	87	176048	50.0	50.0	
10 Dichlorodifluoromethane	85	1.934	1.940	-0.006	86	108008	20.0	19.9	
12 Chloromethane	50	2.092	2.098	-0.006	100	100775	20.0	20.0	
13 Vinyl chloride	62	2.202	2.214	-0.012	82	99338	20.0	19.9	
151 Butadiene	54	2.220	2.226	-0.006	93	90725	20.0	19.8	
14 Bromomethane	94	2.494	2.506	-0.012	88	48756	20.0	19.7	
15 Chloroethane	64	2.561	2.573	-0.012	90	46145	20.0	19.2	
16 Dichlorofluoromethane	67	2.737	2.743	-0.006	96	114149	20.0	18.9	
17 Trichlorofluoromethane	101	2.780	2.786	-0.006	93	92859	20.0	19.1	
18 Ethyl ether	59	2.950	2.956	-0.006	88	67727	20.0	21.2	
20 Acrolein	56	3.108	3.114	-0.006	91	63793	100.0	104.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.145	3.157	-0.012	84	69858	20.0	20.6	
22 1,1-Dichloroethene	96	3.175	3.181	-0.006	92	67892	20.0	20.5	
23 Acetone	43	3.224	3.224	0.000	99	120266	100.0	102.1	
25 Iodomethane	142	3.333	3.339	-0.006	99	121935	20.0	20.4	
26 Carbon disulfide	76	3.388	3.394	-0.006	99	264643	20.0	20.5	
27 Methyl acetate	43	3.443	3.443	0.000	89	296933	100.0	106.2	
28 3-Chloro-1-propene	41	3.449	3.449	0.000	41	114932	20.0	20.3	
30 Methylene Chloride	84	3.564	3.564	0.000	82	82210	20.0	19.5	
31 2-Methyl-2-propanol	59	3.607	3.607	0.000	93	78856	200.0	210.0	
32 Methyl tert-butyl ether	73	3.710	3.717	-0.007	86	240469	20.0	21.2	
34 trans-1,2-Dichloroethene	96	3.747	3.753	-0.006	77	77065	20.0	20.6	
33 Acrylonitrile	53	3.759	3.765	-0.006	100	259452	200.0	219.0	
35 Hexane	57	3.881	3.887	-0.006	90	109480	20.0	19.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.063	4.069	-0.006	97	190285	40.0	41.2	
39 1,1-Dichloroethane	63	4.081	4.082	-0.001	94	131099	20.0	20.4	
43 2-Butanone (MEK)	43	4.526	4.526	0.000	98	184149	100.0	108.0	
44 2,2-Dichloropropane	77	4.532	4.532	0.000	62	108614	20.0	20.5	
45 cis-1,2-Dichloroethene	96	4.532	4.538	-0.006	81	83381	20.0	20.6	
48 Chlorobromomethane	128	4.745	4.745	0.000	84	39191	20.0	20.8	
49 Tetrahydrofuran	42	4.763	4.763	0.000	67	46738	40.0	43.4	
50 Chloroform	83	4.775	4.781	-0.006	70	133534	20.0	20.3	
51 1,1,1-Trichloroethane	97	4.927	4.927	0.000	86	108088	20.0	20.1	
52 Cyclohexane	56	4.951	4.951	0.000	88	115982	20.0	20.0	
54 1,1-Dichloropropene	75	5.037	5.043	-0.006	90	99879	20.0	20.5	
55 Carbon tetrachloride	117	5.049	5.055	-0.006	69	85087	20.0	19.8	
53 Isobutyl alcohol	43	5.103	5.104	-0.001	67	88406	500.0	550.1	
57 Benzene	78	5.231	5.231	0.000	95	309395	20.0	20.6	
58 1,2-Dichloroethane	62	5.268	5.268	0.000	73	108482	20.0	20.8	
59 n-Heptane	43	5.316	5.323	-0.007	88	110447	20.0	20.0	
62 Trichloroethene	95	5.748	5.748	0.000	96	77481	20.0	20.5	
64 Methylcyclohexane	83	5.882	5.888	-0.006	87	131393	20.0	20.4	
65 1,2-Dichloropropane	63	5.973	5.974	-0.001	90	72001	20.0	20.6	
66 1,4-Dioxane	88	6.077	6.077	0.000	48	15205	400.0	441.7	M
67 Dibromomethane	93	6.101	6.101	0.000	90	45592	20.0	20.9	
68 Dichlorobromomethane	83	6.211	6.217	-0.006	88	86660	20.0	19.8	
69 2-Chloroethyl vinyl ether	63	6.418	6.418	0.000	87	44267	20.0	20.7	
72 cis-1,3-Dichloropropene	75	6.594	6.594	0.000	82	116565	20.0	20.7	
73 4-Methyl-2-pentanone (MIBK	43	6.691	6.691	0.000	96	362889	100.0	106.7	
74 Toluene	92	6.886	6.886	0.000	84	198307	20.0	19.8	
75 Ethyl methacrylate	69	7.105	7.105	0.000	79	100506	20.0	20.8	
77 trans-1,3-Dichloropropene	75	7.111	7.111	0.000	92	100120	20.0	20.5	
79 1,1,2-Trichloroethane	83	7.306	7.306	0.000	93	53800	20.0	20.7	
81 Tetrachloroethene	166	7.409	7.409	0.000	95	78091	20.0	20.2	
82 1,3-Dichloropropane	76	7.476	7.470	0.006	65	116633	20.0	20.9	
80 2-Hexanone	43	7.482	7.482	0.000	91	262042	100.0	107.1	
83 Chlorodibromomethane	129	7.713	7.713	0.000	80	54662	20.0	17.4	
84 Ethylene Dibromide	107	7.841	7.847	-0.006	91	64364	20.0	20.9	
87 Chlorobenzene	112	8.297	8.297	0.000	91	209634	20.0	20.5	
88 Ethylbenzene	91	8.358	8.358	0.000	58	363237	20.0	20.3	
89 1,1,1,2-Tetrachloroethane	131	8.376	8.370	0.006	54	63732	20.0	20.3	
90 m-Xylene & p-Xylene	106	8.474	8.474	0.000	0	141021	20.0	20.3	
91 o-Xylene	106	8.906	8.906	0.000	96	134288	20.0	20.3	
92 Styrene	104	8.930	8.930	0.000	94	231275	20.0	20.5	
95 Bromoform	173	9.204	9.204	0.000	89	29003	20.0	18.4	
94 Isopropylbenzene	105	9.271	9.271	0.000	95	347591	20.0	20.5	
97 1,1,2,2-Tetrachloroethane	83	9.648	9.648	0.000	70	83351	20.0	21.1	
101 Bromobenzene	156	9.654	9.660	-0.006	94	88754	20.0	20.4	
98 trans-1,4-Dichloro-2-buten	53	9.690	9.691	-0.001	8	23433	20.0	20.2	
99 N-Propylbenzene	91	9.690	9.691	-0.001	92	421947	20.0	20.5	
100 1,2,3-Trichloropropane	110	9.703	9.703	0.000	16	25885	20.0	21.0	
103 2-Chlorotoluene	126	9.824	9.824	0.000	95	81913	20.0	20.4	
102 1,3,5-Trimethylbenzene	105	9.855	9.855	0.000	92	292557	20.0	20.4	
105 4-Chlorotoluene	126	9.928	9.928	0.000	96	86002	20.0	20.4	
106 tert-Butylbenzene	134	10.177	10.177	0.000	89	64185	20.0	20.1	
107 1,2,4-Trimethylbenzene	105	10.226	10.226	0.000	39	300898	20.0	20.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.378	10.378	0.000	92	369616	20.0	20.4	
110 4-Isopropyltoluene	119	10.506	10.506	0.000	93	325818	20.0	20.5	
111 1,3-Dichlorobenzene	146	10.542	10.542	0.000	96	170226	20.0	20.5	
113 1,4-Dichlorobenzene	146	10.621	10.621	0.000	94	169782	20.0	20.1	
115 n-Butylbenzene	91	10.877	10.877	0.000	94	295356	20.0	20.3	
116 1,2-Dichlorobenzene	146	10.962	10.962	0.000	95	161124	20.0	20.4	
117 1,2-Dibromo-3-Chloropropan	75	11.643	11.643	0.000	53	12828	20.0	18.8	
119 1,2,4-Trichlorobenzene	180	12.282	12.282	0.000	93	109914	20.0	20.7	
120 Hexachlorobutadiene	225	12.379	12.380	-0.001	93	62020	20.0	20.1	
121 Naphthalene	128	12.513	12.513	0.000	97	263532	20.0	21.0	
122 1,2,3-Trichlorobenzene	180	12.726	12.726	0.000	95	102314	20.0	20.9	
S 123 Total BTEX	1				0			101.4	
S 124 Xylenes, Total	1				0			40.6	
S 125 1,2-Dichloroethene, Total	1				0			41.2	
S 126 1,3-Dichloropropene, Total	1				0			41.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8260 CORP mix_00020	Amount Added: 10.00	Units: uL	
GAS CORP mix_00046	Amount Added: 10.00	Units: uL	
F 8260 SURR_00109	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00266	Amount Added: 1.00	Units: uL	Run Reagent

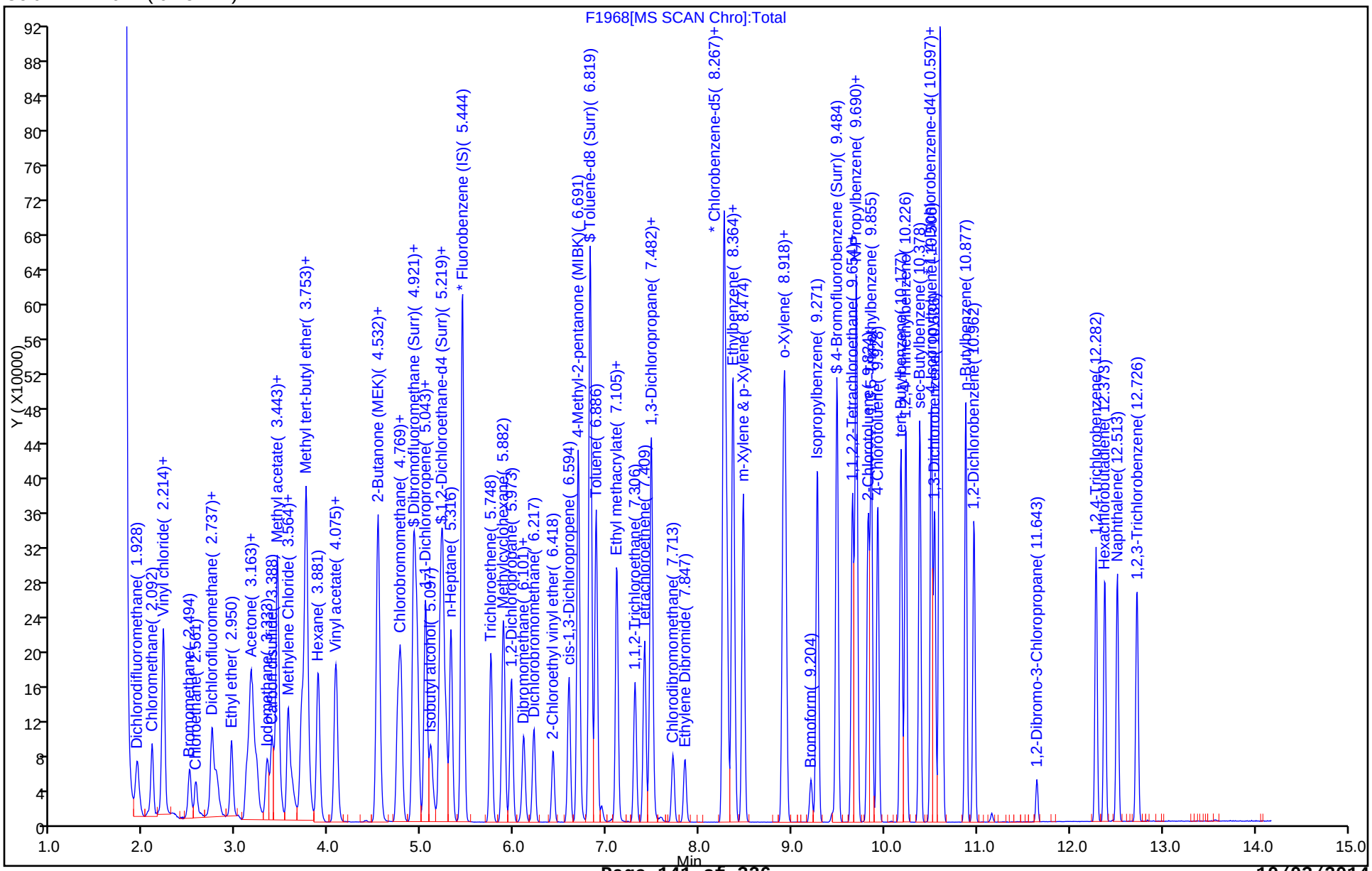
Report Date: 12-Sep-2014 12:28:06 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1968.D

Injection Date:	11-Sep-2014 11:59:30	Instrument ID:	HP5973F	Operator ID:	RAS
Lims ID:	IC 4			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

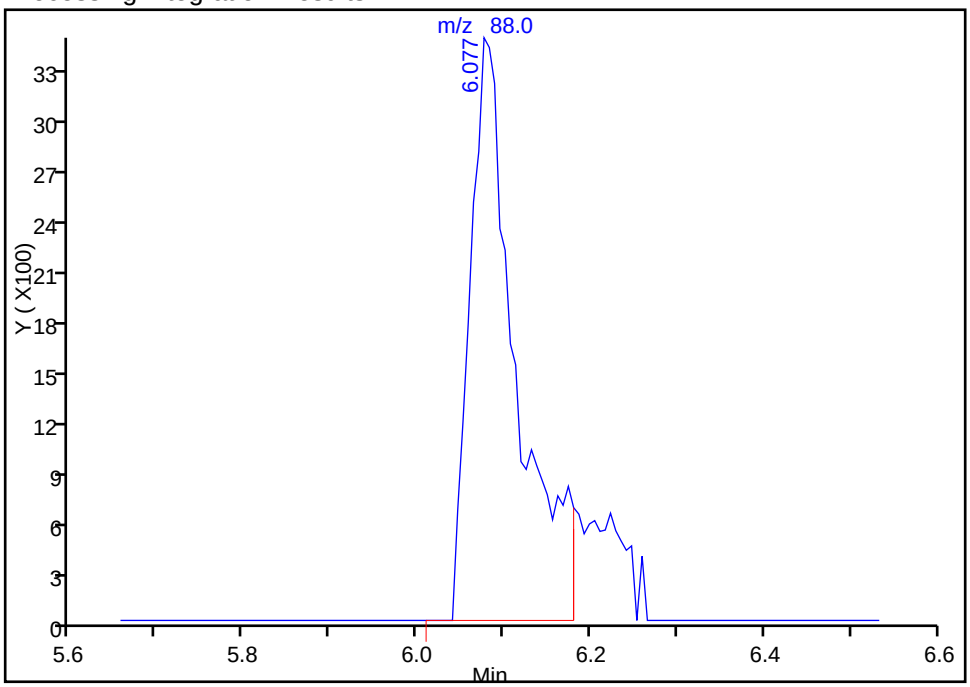
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1968.D
Injection Date: 11-Sep-2014 11:59:30 Instrument ID: HP5973F
Lims ID: IC 4
Client ID:
Operator ID: RAS ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

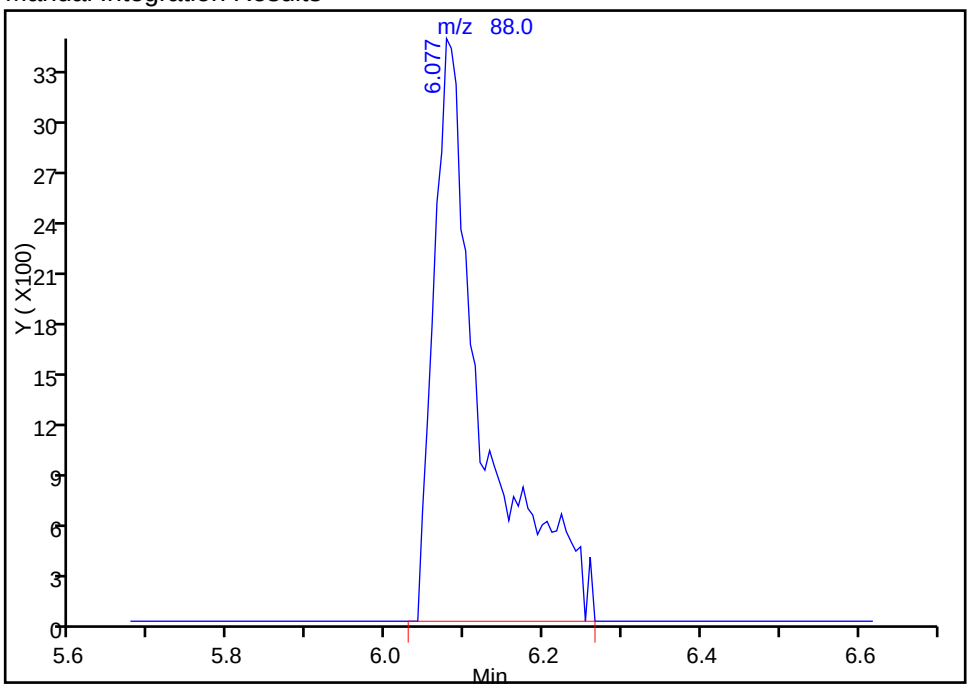
Processing Integration Results

RT: 6.08
Response: 12924
Amount: 386.0700



Manual Integration Results

RT: 6.08
Response: 15205
Amount: 441.6693



Reviewer: cwiklinc, 11-Sep-2014 20:48:18
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1969.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 11-Sep-2014 12:24:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0035271-007480-0035271-007
Operator ID: RAS Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Sep-2014 20:49:00 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: cwiklinc Date: 11-Sep-2014 20:49:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	98	141407	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	86	278803	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	74	260073	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.915	4.915	0.000	70	146746	50.0	50.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	90602	50.0	49.4	
$ 5 Toluene-d8 (Surr)	98	6.819	6.819	0.000	83	570163	50.0	49.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.484	9.484	0.000	87	178303	50.0	50.3	
10 Dichlorodifluoromethane	85	1.940	1.940	0.000	88	267431	50.0	48.6	
12 Chloromethane	50	2.098	2.098	0.000	88	244211	50.0	47.8	
13 Vinyl chloride	62	2.214	2.214	0.000	73	240812	50.0	47.6	
151 Butadiene	54	2.226	2.226	0.000	93	219661	50.0	47.3	
14 Bromomethane	94	2.506	2.506	0.000	91	124742	50.0	49.7	
15 Chloroethane	64	2.573	2.573	0.000	100	117196	50.0	48.0	
16 Dichlorofluoromethane	67	2.743	2.743	0.000	97	288301	50.0	47.1	
17 Trichlorofluoromethane	101	2.786	2.786	0.000	97	236122	50.0	47.9	
18 Ethyl ether	59	2.956	2.956	0.000	87	163020	50.0	50.3	
20 Acrolein	56	3.114	3.114	0.000	90	148774	250.0	240.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.157	3.157	0.000	94	169037	50.0	49.2	
22 1,1-Dichloroethene	96	3.181	3.181	0.000	85	165286	50.0	49.2	
23 Acetone	43	3.224	3.224	0.000	96	280848	250.0	235.2	
25 Iodomethane	142	3.339	3.339	0.000	99	300127	50.0	49.5	
26 Carbon disulfide	76	3.394	3.394	0.000	99	660795	50.0	50.6	
27 Methyl acetate	43	3.443	3.443	0.000	89	673055	250.0	237.4	
28 3-Chloro-1-propene	41	3.449	3.449	0.000	32	280394	50.0	48.9	
30 Methylene Chloride	84	3.564	3.564	0.000	78	195113	50.0	45.6	
31 2-Methyl-2-propanol	59	3.607	3.607	0.000	96	172877	500.0	453.8	
32 Methyl tert-butyl ether	73	3.717	3.717	0.000	86	563824	50.0	49.0	
34 trans-1,2-Dichloroethene	96	3.753	3.753	0.000	71	187161	50.0	49.4	
33 Acrylonitrile	53	3.765	3.765	0.000	99	589119	500.0	490.2	
35 Hexane	57	3.887	3.887	0.000	90	257912	50.0	45.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.069	4.069	0.000	98	470425	100.0	100.4	
39 1,1-Dichloroethane	63	4.082	4.082	0.000	96	324440	50.0	49.7	
43 2-Butanone (MEK)	43	4.526	4.526	0.000	97	407706	250.0	235.8	
44 2,2-Dichloropropane	77	4.532	4.532	0.000	64	271085	50.0	50.4	
45 cis-1,2-Dichloroethene	96	4.538	4.538	0.000	84	203889	50.0	49.6	
48 Chlorobromomethane	128	4.745	4.745	0.000	91	96579	50.0	50.5	
49 Tetrahydrofuran	42	4.763	4.763	0.000	70	103176	100.0	94.4	
50 Chloroform	83	4.781	4.781	0.000	95	330601	50.0	49.5	
51 1,1,1-Trichloroethane	97	4.927	4.927	0.000	95	273285	50.0	50.2	
52 Cyclohexane	56	4.951	4.951	0.000	89	283170	50.0	48.2	
54 1,1-Dichloropropene	75	5.043	5.043	0.000	93	242277	50.0	49.0	
55 Carbon tetrachloride	117	5.055	5.055	0.000	76	222068	50.0	51.0	
53 Isobutyl alcohol	43	5.104	5.104	0.000	88	197944	1250.0	1214.4	
57 Benzene	78	5.231	5.231	0.000	96	750491	50.0	49.3	
58 1,2-Dichloroethane	62	5.268	5.268	0.000	83	260751	50.0	49.4	
59 n-Heptane	43	5.323	5.323	0.000	87	262606	50.0	47.0	
62 Trichloroethene	95	5.748	5.748	0.000	97	188619	50.0	49.2	
64 Methylcyclohexane	83	5.888	5.888	0.000	88	318210	50.0	48.6	
65 1,2-Dichloropropane	63	5.974	5.974	0.000	89	176396	50.0	49.8	
66 1,4-Dioxane	88	6.077	6.077	0.000	66	35731	1000.0	1030.3	
67 Dibromomethane	93	6.101	6.101	0.000	92	110497	50.0	50.0	
68 Dichlorobromomethane	83	6.217	6.217	0.000	94	231845	50.0	52.3	
69 2-Chloroethyl vinyl ether	63	6.418	6.418	0.000	93	107865	50.0	49.7	
72 cis-1,3-Dichloropropene	75	6.594	6.594	0.000	88	297979	50.0	52.1	
73 4-Methyl-2-pentanone (MIBK	43	6.691	6.691	0.000	96	825079	250.0	240.9	
74 Toluene	92	6.886	6.886	0.000	88	478676	50.0	47.5	
75 Ethyl methacrylate	69	7.105	7.105	0.000	79	244441	50.0	50.3	
77 trans-1,3-Dichloropropene	75	7.111	7.111	0.000	93	257894	50.0	52.4	
79 1,1,2-Trichloroethane	83	7.306	7.306	0.000	88	130510	50.0	49.9	
81 Tetrachloroethene	166	7.409	7.409	0.000	97	191910	50.0	49.3	
82 1,3-Dichloropropane	76	7.470	7.470	0.000	80	279245	50.0	49.8	
80 2-Hexanone	43	7.482	7.482	0.000	87	598700	250.0	242.8	
83 Chlorodibromomethane	129	7.713	7.713	0.000	88	152373	50.0	44.9	
84 Ethylene Dibromide	107	7.847	7.847	0.000	97	156559	50.0	50.6	
87 Chlorobenzene	112	8.297	8.297	0.000	92	512703	50.0	49.9	
88 Ethylbenzene	91	8.358	8.358	0.000	58	887364	50.0	49.3	
89 1,1,1,2-Tetrachloroethane	131	8.370	8.370	0.000	46	166923	50.0	52.8	
90 m-Xylene & p-Xylene	106	8.474	8.474	0.000	0	344922	50.0	49.2	
91 o-Xylene	106	8.906	8.906	0.000	95	331810	50.0	49.8	
92 Styrene	104	8.930	8.930	0.000	94	580555	50.0	51.0	
95 Bromoform	173	9.204	9.204	0.000	93	85885	50.0	42.9	
94 Isopropylbenzene	105	9.271	9.271	0.000	95	848170	50.0	49.1	
97 1,1,2,2-Tetrachloroethane	83	9.648	9.648	0.000	79	201523	50.0	50.2	
101 Bromobenzene	156	9.660	9.660	0.000	93	219336	50.0	49.7	
98 trans-1,4-Dichloro-2-buten	53	9.691	9.691	0.000	15	59621	50.0	50.5	
99 N-Propylbenzene	91	9.691	9.691	0.000	92	1037531	50.0	49.5	
100 1,2,3-Trichloropropane	110	9.703	9.703	0.000	20	61912	50.0	49.4	
103 2-Chlorotoluene	126	9.824	9.824	0.000	95	200986	50.0	49.3	
102 1,3,5-Trimethylbenzene	105	9.855	9.855	0.000	93	722429	50.0	49.5	
105 4-Chlorotoluene	126	9.928	9.928	0.000	88	213162	50.0	49.8	
106 tert-Butylbenzene	134	10.177	10.177	0.000	90	158401	50.0	48.8	
107 1,2,4-Trimethylbenzene	105	10.226	10.226	0.000	63	753499	50.0	49.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.378	10.378	0.000	95	912830	50.0	49.5	
110 4-Isopropyltoluene	119	10.506	10.506	0.000	95	807573	50.0	50.0	
111 1,3-Dichlorobenzene	146	10.542	10.542	0.000	96	418372	50.0	49.5	
113 1,4-Dichlorobenzene	146	10.621	10.621	0.000	93	423917	50.0	49.4	
115 n-Butylbenzene	91	10.877	10.877	0.000	94	737404	50.0	49.9	
116 1,2-Dichlorobenzene	146	10.962	10.962	0.000	96	398648	50.0	49.6	
117 1,2-Dibromo-3-Chloropropan	75	11.643	11.643	0.000	70	33067	50.0	44.9	
119 1,2,4-Trichlorobenzene	180	12.282	12.282	0.000	93	275247	50.0	50.9	
120 Hexachlorobutadiene	225	12.380	12.380	0.000	96	153062	50.0	48.8	
121 Naphthalene	128	12.513	12.513	0.000	97	632698	50.0	49.5	
122 1,2,3-Trichlorobenzene	180	12.726	12.726	0.000	95	254570	50.0	51.1	
S 125 1,2-Dichloroethene, Total	1				0			99.1	
S 126 1,3-Dichloropropene, Total	1				0			104.4	
S 123 Total BTEX	1				0			245.2	
S 124 Xylenes, Total	1				0			99.0	

Reagents:

8260 CORP mix_00020	Amount Added:	25.00	Units: uL	
GAS CORP mix_00046	Amount Added:	25.00	Units: uL	
F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00266	Amount Added:	1.00	Units: uL	Run Reagent

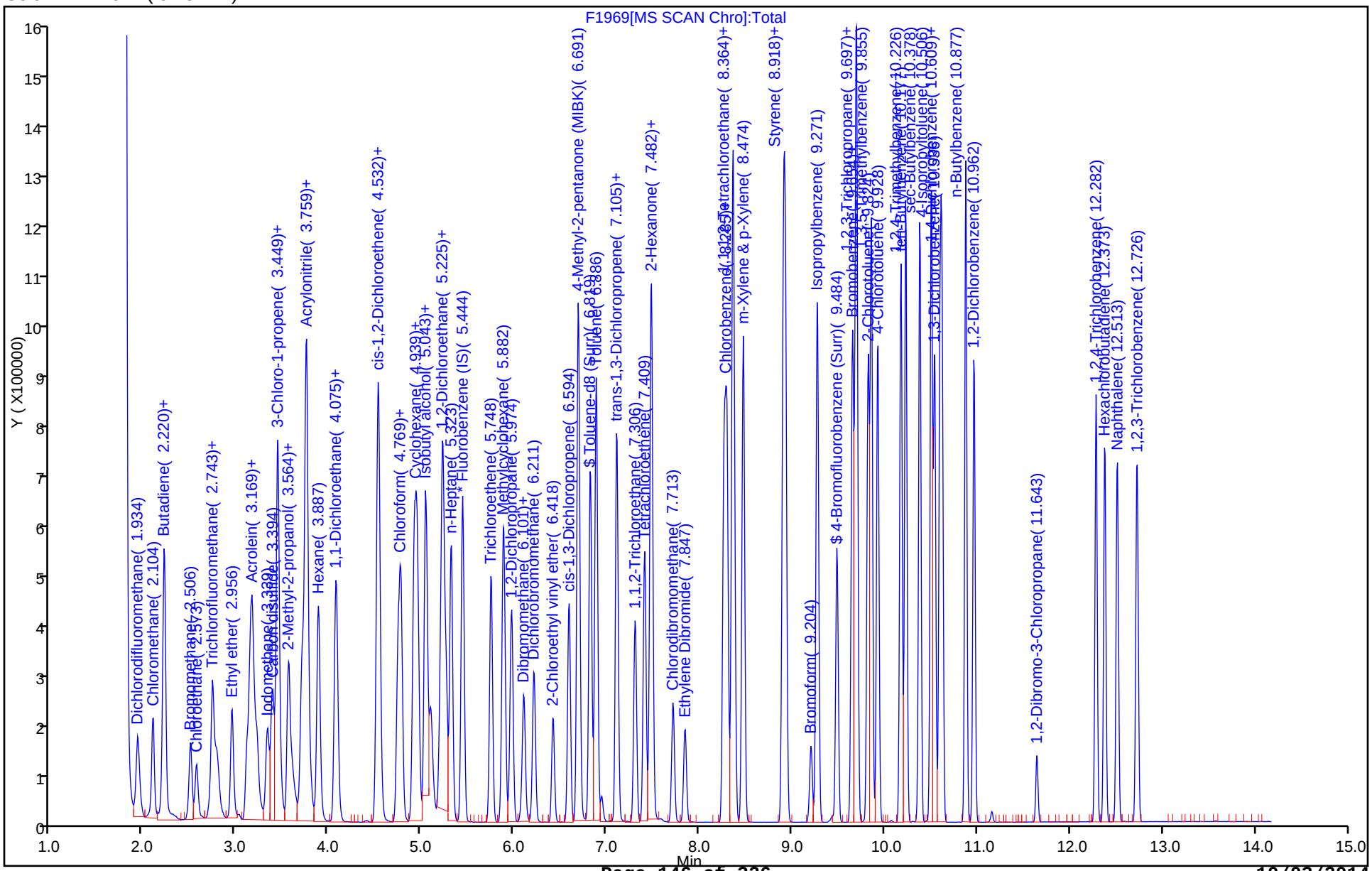
Report Date: 11-Sep-2014 20:49:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1969.D

Injection Date:	11-Sep-2014 12:24:30	Instrument ID:	HP5973F	Operator ID:	RAS
Lims ID:	ICIS 5			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1971.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-Sep-2014 13:15:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0035271-008480-0035271-008
Operator ID: RAS Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Sep-2014 20:50:49 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: cwiklinc Date: 11-Sep-2014 20:50:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.438	5.444	-0.006	99	142516	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	86	283686	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	96	270622	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.915	4.915	0.000	93	149317	50.0	51.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	93566	50.0	50.6	
$ 5 Toluene-d8 (Surr)	98	6.819	6.819	0.000	93	582710	50.0	50.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.490	9.484	0.006	88	183452	50.0	50.9	
10 Dichlorodifluoromethane	85	1.934	1.940	-0.006	99	1111027	200.0	200.5	
12 Chloromethane	50	2.104	2.098	0.006	100	984026	200.0	191.1	
13 Vinyl chloride	62	2.214	2.214	0.000	99	978784	200.0	191.9	
151 Butadiene	54	2.226	2.226	0.000	93	889556	200.0	190.1	
14 Bromomethane	94	2.506	2.506	0.000	91	477353	200.0	188.7	
15 Chloroethane	64	2.567	2.573	-0.006	100	481077	200.0	195.7	
16 Dichlorofluoromethane	67	2.737	2.743	-0.006	99	1182709	200.0	191.8	
17 Trichlorofluoromethane	101	2.786	2.786	0.000	99	1011736	200.0	203.8	
18 Ethyl ether	59	2.950	2.956	-0.006	91	647104	200.0	198.2	
20 Acrolein	56	3.108	3.114	-0.006	99	605115	1000.0	971.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.151	3.157	-0.006	95	722768	200.0	208.7	
22 1,1-Dichloroethene	96	3.175	3.181	-0.006	98	684457	200.0	202.3	
23 Acetone	43	3.218	3.224	-0.006	99	1152214	1000.0	957.3	
25 Iodomethane	142	3.333	3.339	-0.006	100	1216409	200.0	198.9	
26 Carbon disulfide	76	3.388	3.394	-0.006	99	2770836	200.0	210.3	
27 Methyl acetate	43	3.443	3.443	0.000	98	2716627	1000.0	950.7	
28 3-Chloro-1-propene	41	3.443	3.449	-0.006	84	1149099	200.0	198.8	
30 Methylene Chloride	84	3.558	3.564	-0.006	89	782368	200.0	181.2	
31 2-Methyl-2-propanol	59	3.607	3.607	0.000	99	841673	2000.0	2192.1	
32 Methyl tert-butyl ether	73	3.710	3.717	-0.007	94	2376540	200.0	205.0	
34 trans-1,2-Dichloroethene	96	3.747	3.753	-0.006	99	766540	200.0	200.8	
33 Acrylonitrile	53	3.759	3.765	-0.006	99	2415839	2000.0	1994.4	
35 Hexane	57	3.881	3.887	-0.006	94	1079270	200.0	189.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.063	4.069	-0.006	98	1958954	400.0	414.7	
39 1,1-Dichloroethane	63	4.081	4.082	-0.001	97	1319161	200.0	200.6	
43 2-Butanone (MEK)	43	4.519	4.526	-0.007	99	1674470	1000.0	961.1	
44 2,2-Dichloropropane	77	4.526	4.532	-0.006	88	1163825	200.0	214.8	
45 cis-1,2-Dichloroethene	96	4.538	4.538	0.000	85	825718	200.0	199.5	
48 Chlorobromomethane	128	4.745	4.745	0.000	91	395290	200.0	205.2	
49 Tetrahydrofuran	42	4.757	4.763	-0.006	84	429795	400.0	390.2	
50 Chloroform	83	4.775	4.781	-0.006	96	1350920	200.0	200.7	
51 1,1,1-Trichloroethane	97	4.927	4.927	0.000	98	1176692	200.0	214.3	
52 Cyclohexane	56	4.951	4.951	0.000	90	1200558	200.0	202.9	
54 1,1-Dichloropropene	75	5.043	5.043	0.000	95	1020572	200.0	204.9	
55 Carbon tetrachloride	117	5.049	5.055	-0.006	99	1037661	200.0	236.6	
53 Isobutyl alcohol	43	5.097	5.104	-0.007	92	910913	5000.0	5545.1	
57 Benzene	78	5.231	5.231	0.000	96	3023526	200.0	197.2	
58 1,2-Dichloroethane	62	5.262	5.268	-0.006	98	1072567	200.0	201.6	
59 n-Heptane	43	5.316	5.323	-0.007	89	1120544	200.0	198.8	
62 Trichloroethene	95	5.748	5.748	0.000	97	780348	200.0	201.8	
64 Methylcyclohexane	83	5.888	5.888	0.000	89	1375533	200.0	208.6	
65 1,2-Dichloropropane	63	5.973	5.974	-0.001	91	721147	200.0	201.9	
66 1,4-Dioxane	88	6.077	6.077	0.000	91	162350	4000.0	4600.9	
67 Dibromomethane	93	6.101	6.101	0.000	97	463672	200.0	208.1	
68 Dichlorobromomethane	83	6.211	6.217	-0.006	99	1043439	200.0	233.4	
69 2-Chloroethyl vinyl ether	63	6.418	6.418	0.000	94	450933	200.0	206.2	
72 cis-1,3-Dichloropropene	75	6.594	6.594	0.000	94	1259142	200.0	218.3	
73 4-Methyl-2-pentanone (MIBK	43	6.691	6.691	0.000	95	3359510	1000.0	963.9	
74 Toluene	92	6.886	6.886	0.000	99	1938484	200.0	189.2	
75 Ethyl methacrylate	69	7.105	7.105	0.000	88	1040380	200.0	210.5	
77 trans-1,3-Dichloropropene	75	7.111	7.111	0.000	95	1117772	200.0	223.0	
79 1,1,2-Trichloroethane	83	7.306	7.306	0.000	93	540093	200.0	203.1	
81 Tetrachloroethene	166	7.409	7.409	0.000	96	801157	200.0	202.3	
82 1,3-Dichloropropane	76	7.470	7.470	0.000	94	1141834	200.0	200.0	
80 2-Hexanone	43	7.482	7.482	0.000	95	2485775	1000.0	990.8	
83 Chlorodibromomethane	129	7.713	7.713	0.000	90	742728	200.0	208.1	
84 Ethylene Dibromide	107	7.841	7.847	-0.006	98	659660	200.0	209.3	
87 Chlorobenzene	112	8.297	8.297	0.000	94	2060083	200.0	196.9	
88 Ethylbenzene	91	8.358	8.358	0.000	98	3568271	200.0	194.8	
89 1,1,1,2-Tetrachloroethane	131	8.376	8.370	0.006	94	731383	200.0	227.4	
90 m-Xylene & p-Xylene	106	8.474	8.474	0.000	0	1411705	200.0	198.1	
91 o-Xylene	106	8.906	8.906	0.000	97	1360459	200.0	200.6	
92 Styrene	104	8.930	8.930	0.000	94	2373274	200.0	205.0	
95 Bromoform	173	9.204	9.204	0.000	95	465507	200.0	203.6	
94 Isopropylbenzene	105	9.271	9.271	0.000	97	3457195	200.0	192.4	
97 1,1,2,2-Tetrachloroethane	83	9.648	9.648	0.000	97	839930	200.0	201.3	
101 Bromobenzene	156	9.654	9.660	-0.006	95	899686	200.0	195.8	
98 trans-1,4-Dichloro-2-buten	53	9.691	9.691	0.000	61	274549	200.0	223.5	
99 N-Propylbenzene	91	9.697	9.691	0.006	98	4152638	200.0	190.6	
100 1,2,3-Trichloropropane	110	9.703	9.703	0.000	84	257403	200.0	197.5	
103 2-Chlorotoluene	126	9.824	9.824	0.000	96	837808	200.0	197.5	
102 1,3,5-Trimethylbenzene	105	9.855	9.855	0.000	95	2957866	200.0	194.9	
105 4-Chlorotoluene	126	9.928	9.928	0.000	98	877993	200.0	197.3	
106 tert-Butylbenzene	134	10.177	10.177	0.000	92	674246	200.0	199.6	
107 1,2,4-Trimethylbenzene	105	10.226	10.226	0.000	97	3046264	200.0	194.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.378	10.378	0.000	95	3719708	200.0	193.9	
110 4-Isopropyltoluene	119	10.506	10.506	0.000	96	3289464	200.0	195.7	
111 1,3-Dichlorobenzene	146	10.542	10.542	0.000	97	1710152	200.0	194.5	
113 1,4-Dichlorobenzene	146	10.621	10.621	0.000	94	1724463	200.0	193.1	
115 n-Butylbenzene	91	10.877	10.877	0.000	97	3041466	200.0	197.9	
116 1,2-Dichlorobenzene	146	10.968	10.962	0.006	96	1632739	200.0	195.3	
117 1,2-Dibromo-3-Chloropropan	75	11.643	11.643	0.000	84	164090	200.0	207.6	
119 1,2,4-Trichlorobenzene	180	12.282	12.282	0.000	94	1129979	200.0	200.9	
120 Hexachlorobutadiene	225	12.379	12.380	-0.001	98	642823	200.0	196.9	
121 Naphthalene	128	12.513	12.513	0.000	97	2640965	200.0	198.8	
122 1,2,3-Trichlorobenzene	180	12.726	12.726	0.000	95	1031996	200.0	198.9	
S 125 1,2-Dichloroethene, Total	1				0			400.3	
S 126 1,3-Dichloropropene, Total	1				0			441.3	
S 123 Total BTEX	1				0			979.8	
S 124 Xylenes, Total	1				0			398.7	

Reagents:

8260 CORP mix_00020	Amount Added: 100.00	Units: uL	
GAS CORP mix_00046	Amount Added: 100.00	Units: uL	
F 8260 SURR_00109	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00266	Amount Added: 1.00	Units: uL	Run Reagent

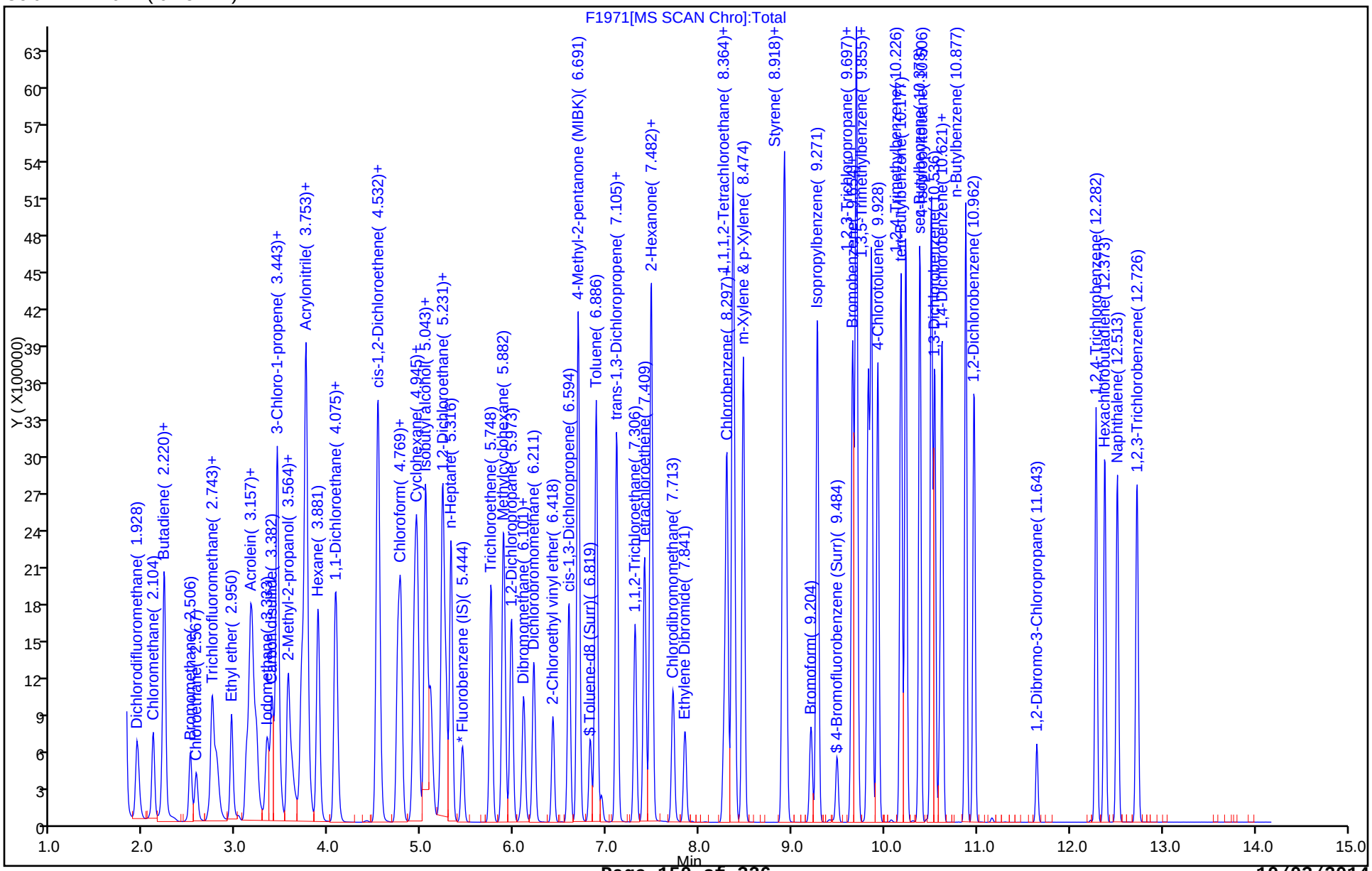
Report Date: 11-Sep-2014 20:50:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1971.D

Injection Date:	11-Sep-2014 13:15:30	Instrument ID:	HP5973F	Operator ID:	RAS
Lims ID:	IC 7			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1970.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 11-Sep-2014 12:50:30 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0035271-009480-0035271-009
Operator ID: RAS Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Sep-2014 20:49:49 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: cwiklinc Date: 11-Sep-2014 20:49:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	99	142095	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	86	278859	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	66	264099	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.915	4.915	0.000	44	147022	50.0	50.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	91609	50.0	49.7	
$ 5 Toluene-d8 (Surr)	98	6.819	6.819	0.000	83	571982	50.0	50.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.484	9.484	0.000	86	179939	50.0	50.8	
10 Dichlorodifluoromethane	85	1.928	1.940	-0.012	99	553304	100.0	100.2	
12 Chloromethane	50	2.098	2.098	0.000	99	498489	100.0	97.1	
13 Vinyl chloride	62	2.208	2.214	-0.006	89	500090	100.0	98.3	
151 Butadiene	54	2.220	2.226	-0.006	93	453332	100.0	97.1	
14 Bromomethane	94	2.500	2.506	-0.006	91	240561	100.0	95.4	
15 Chloroethane	64	2.567	2.573	-0.006	100	236285	100.0	96.4	
16 Dichlorofluoromethane	67	2.737	2.743	-0.006	98	607709	100.0	98.9	
17 Trichlorofluoromethane	101	2.786	2.786	0.000	98	506804	100.0	102.4	
18 Ethyl ether	59	2.950	2.956	-0.006	88	328891	100.0	101.0	
20 Acrolein	56	3.108	3.114	-0.006	93	301263	500.0	485.0	
21 1,1,2-Trichloro-1,2,2-trif	101	3.151	3.157	-0.006	95	357959	100.0	103.6	
22 1,1-Dichloroethene	96	3.175	3.181	-0.006	94	345757	100.0	102.5	
23 Acetone	43	3.218	3.224	-0.006	95	569774	500.0	474.8	
25 Iodomethane	142	3.333	3.339	-0.006	99	616350	100.0	101.1	
26 Carbon disulfide	76	3.388	3.394	-0.006	99	1389392	100.0	105.8	
27 Methyl acetate	43	3.443	3.443	0.000	89	1378316	500.0	483.8	
28 3-Chloro-1-propene	41	3.449	3.449	0.000	47	582863	100.0	101.1	
30 Methylene Chloride	84	3.558	3.564	-0.006	82	398751	100.0	92.6	
31 2-Methyl-2-propanol	59	3.601	3.607	-0.006	97	374651	1000.0	978.7	
32 Methyl tert-butyl ether	73	3.710	3.717	-0.007	86	1202075	100.0	104.0	
34 trans-1,2-Dichloroethene	96	3.747	3.753	-0.006	79	384882	100.0	101.1	
33 Acrylonitrile	53	3.759	3.765	-0.006	99	1204903	1000.0	997.7	
35 Hexane	57	3.881	3.887	-0.006	90	547007	100.0	96.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.063	4.069	-0.006	97	982159	200.0	208.5	
39 1,1-Dichloroethane	63	4.082	4.082	0.000	97	668041	100.0	101.9	
43 2-Butanone (MEK)	43	4.520	4.526	-0.006	97	838977	500.0	483.0	
44 2,2-Dichloropropane	77	4.526	4.532	-0.006	66	579451	100.0	107.3	
45 cis-1,2-Dichloroethene	96	4.532	4.538	-0.006	84	419422	100.0	101.6	
48 Chlorobromomethane	128	4.739	4.745	-0.006	88	199877	100.0	104.1	
49 Tetrahydrofuran	42	4.757	4.763	-0.006	81	212510	200.0	193.5	
50 Chloroform	83	4.775	4.781	-0.006	96	680229	100.0	101.4	
51 1,1,1-Trichloroethane	97	4.921	4.927	-0.006	94	581885	100.0	106.3	
52 Cyclohexane	56	4.952	4.951	0.001	89	597409	100.0	101.3	
54 1,1-Dichloropropene	75	5.037	5.043	-0.006	92	509931	100.0	102.7	
55 Carbon tetrachloride	117	5.055	5.055	0.000	77	497005	100.0	113.7	
53 Isobutyl alcohol	43	5.098	5.104	-0.006	68	427247	2500.0	2608.5	
57 Benzene	78	5.225	5.231	-0.006	96	1544311	100.0	101.0	
58 1,2-Dichloroethane	62	5.262	5.268	-0.006	93	538437	100.0	101.5	
59 n-Heptane	43	5.317	5.323	-0.006	87	573088	100.0	102.0	
62 Trichloroethene	95	5.748	5.748	0.000	97	391879	100.0	101.6	
64 Methylcyclohexane	83	5.882	5.888	-0.006	88	689590	100.0	104.9	
65 1,2-Dichloropropane	63	5.967	5.974	-0.007	90	365187	100.0	102.6	
66 1,4-Dioxane	88	6.077	6.077	0.000	63	75104	2000.0	2165.3	
67 Dibromomethane	93	6.101	6.101	0.000	91	231212	100.0	104.1	
68 Dichlorobromomethane	83	6.211	6.217	-0.006	97	507153	100.0	113.8	
69 2-Chloroethyl vinyl ether	63	6.418	6.418	0.000	94	224515	100.0	103.0	
72 cis-1,3-Dichloropropene	75	6.588	6.594	-0.006	89	627364	100.0	109.1	
73 4-Methyl-2-pentanone (MIBK	43	6.691	6.691	0.000	96	1692194	500.0	493.9	
74 Toluene	92	6.886	6.886	0.000	89	983770	100.0	97.7	
75 Ethyl methacrylate	69	7.105	7.105	0.000	79	515327	100.0	106.1	
77 trans-1,3-Dichloropropene	75	7.105	7.111	-0.006	92	550987	100.0	111.8	
79 1,1,2-Trichloroethane	83	7.306	7.306	0.000	92	272203	100.0	104.1	
81 Tetrachloroethene	166	7.409	7.409	0.000	97	402486	100.0	103.4	
82 1,3-Dichloropropane	76	7.470	7.470	0.000	75	573579	100.0	102.2	
80 2-Hexanone	43	7.482	7.482	0.000	87	1243796	500.0	504.3	
83 Chlorodibromomethane	129	7.713	7.713	0.000	87	347590	100.0	100.0	
84 Ethylene Dibromide	107	7.841	7.847	-0.006	97	327419	100.0	105.7	
87 Chlorobenzene	112	8.298	8.297	0.001	93	1047645	100.0	101.8	
88 Ethylbenzene	91	8.358	8.358	0.000	57	1824002	100.0	101.3	
89 1,1,1,2-Tetrachloroethane	131	8.377	8.370	0.007	55	358736	100.0	113.5	
90 m-Xylene & p-Xylene	106	8.474	8.474	0.000	0	709250	100.0	101.2	
91 o-Xylene	106	8.906	8.906	0.000	95	688232	100.0	103.2	
92 Styrene	104	8.930	8.930	0.000	94	1199870	100.0	105.5	
95 Bromoform	173	9.204	9.204	0.000	95	209532	100.0	96.4	
94 Isopropylbenzene	105	9.271	9.271	0.000	95	1766587	100.0	100.8	
97 1,1,2,2-Tetrachloroethane	83	9.648	9.648	0.000	80	420112	100.0	103.2	
101 Bromobenzene	156	9.660	9.660	0.000	93	451841	100.0	100.8	
98 trans-1,4-Dichloro-2-buten	53	9.691	9.691	0.000	16	129370	100.0	107.9	
99 N-Propylbenzene	91	9.691	9.691	0.000	97	2136419	100.0	100.5	
100 1,2,3-Trichloropropane	110	9.703	9.703	0.000	14	128408	100.0	101.0	
103 2-Chlorotoluene	126	9.824	9.824	0.000	95	422584	100.0	102.1	
102 1,3,5-Trimethylbenzene	105	9.855	9.855	0.000	93	1501016	100.0	101.4	
105 4-Chlorotoluene	126	9.928	9.928	0.000	88	441780	100.0	101.7	
106 tert-Butylbenzene	134	10.177	10.177	0.000	89	336829	100.0	102.2	
107 1,2,4-Trimethylbenzene	105	10.226	10.226	0.000	54	1550874	100.0	101.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.378	10.378	0.000	95	1910665	100.0	102.1	
110 4-Isopropyltoluene	119	10.506	10.506	0.000	95	1685812	100.0	102.8	
111 1,3-Dichlorobenzene	146	10.542	10.542	0.000	96	863452	100.0	100.6	
113 1,4-Dichlorobenzene	146	10.621	10.621	0.000	93	872283	100.0	100.1	
115 n-Butylbenzene	91	10.877	10.877	0.000	95	1545765	100.0	103.1	
116 1,2-Dichlorobenzene	146	10.968	10.962	0.006	97	825927	100.0	101.2	
117 1,2-Dibromo-3-Chloropropan	75	11.643	11.643	0.000	79	75720	100.0	99.1	
119 1,2,4-Trichlorobenzene	180	12.282	12.282	0.000	93	574354	100.0	104.6	
120 Hexachlorobutadiene	225	12.380	12.380	0.000	97	328823	100.0	103.2	
121 Naphthalene	128	12.513	12.513	0.000	97	1339996	100.0	103.3	
122 1,2,3-Trichlorobenzene	180	12.726	12.726	0.000	95	531293	100.0	104.9	
S 125 1,2-Dichloroethene, Total	1				0			202.8	
S 126 1,3-Dichloropropene, Total	1				0			220.9	
S 123 Total BTEX	1				0			504.4	
S 124 Xylenes, Total	1				0			204.5	

Reagents:

8260 CORP mix_00020	Amount Added:	50.00	Units: uL	
GAS CORP mix_00046	Amount Added:	50.00	Units: uL	
F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00266	Amount Added:	1.00	Units: uL	Run Reagent

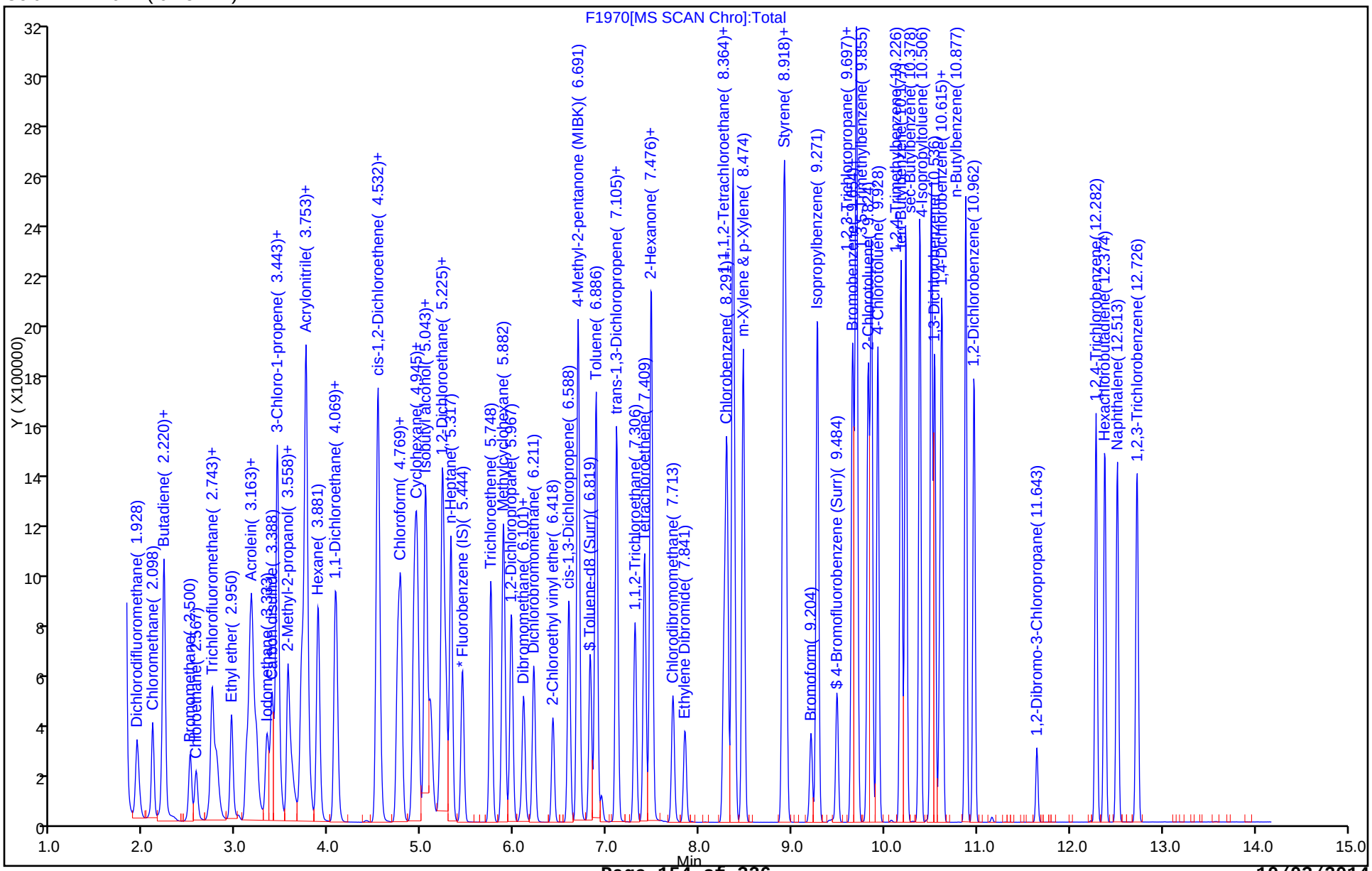
Report Date: 11-Sep-2014 20:49:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1970.D

Injection Date:	11-Sep-2014 12:50:30	Instrument ID:	HP5973F	Operator ID:	RAS
Lims ID:	IC 6			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1 Analy Batch No.: 204000

SDG No.:

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

Calibration Start Date: 09/24/2014 04:27 Calibration End Date: 09/24/2014 06:42 Calibration ID: 20355

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-204000/6	G34233.D
Level 2	IC 480-204000/7	G34234.D
Level 3	IC 480-204000/8	G34235.D
Level 4	IC 480-204000/5	G34232.D
Level 5	ICIS 480-204000/9	G34236.D
Level 6	IC 480-204000/10	G34237.D
Level 7	IC 480-204000/11	G34238.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	2.1161 2.1988	2.0753 2.2098	2.1872		2.1291	Ave		2.1527			0.1000	2.5		20.0			
Chloromethane	1.6703 1.6502	1.6053 1.6282	1.6034		1.6092	Ave		1.6278			0.1000	1.7		20.0			
Vinyl chloride	1.7164 1.7839	1.7554 1.7409	1.7756		1.7573	Ave		1.7549			0.1000	1.4		20.0			
Butadiene	1.3233 1.3937	1.3327 1.4981	1.5261		1.4042	Ave		1.4130				5.9		20.0			
Bromomethane	0.5892 0.6538	0.4654 0.6963	0.3973		0.3790	Qua	-1.072	0.5269	0.0018477		0.1000				0.9930		0.9900
Chloroethane	1.1237 0.9821	1.0413 1.0034	1.0336		0.9961	Ave		1.0300			0.1000	5.0		20.0			
Dichlorofluoromethane	1.9342 2.2327	1.6685 2.2447	2.0116		1.9828	Ave		2.0124				11.0		20.0			
Trichlorofluoromethane	1.8606 2.3353	2.0755 2.3207	2.2096		2.2187	Ave		2.1701			0.1000	8.2		20.0			
Ethyl ether	0.9817 1.1075	1.0646 1.0869	1.0976		1.0838	Ave		1.0703				4.3		20.0			
Acrolein	0.1779 0.1633	0.1652 0.1647	0.1633		0.1659	Ave		0.1667				3.3		20.0			
1,1-Dichloroethene	1.5647 1.7609	1.6985 1.7072	1.7651		1.7358	Ave		1.7054			0.1000	4.3		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.2646 1.4060	1.2774 1.4145	1.4715		1.3777	Ave		1.3686			0.1000	6.0		20.0			
Acetone	0.4813 0.5147	0.4844 0.4974	0.5089		0.5071	Ave		0.4990			0.1000	2.7		20.0			
Iodomethane	1.6181 1.7692	1.7483 1.9501	1.9249		1.7913	Ave		1.8003				6.8		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.: 480-67484-1 Analy Batch No.: 204000

SDG No.:

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

Calibration Start Date: 09/24/2014 04:27 Calibration End Date: 09/24/2014 06:42 Calibration ID: 20355

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	4.5651 5.3267	4.6597 5.2743	5.2131		5.1589	Ave		5.0330			0.1000	6.6		20.0			
Allyl chloride	1.6345 1.6119	1.6302 1.7482	1.7358		1.6133	Ave		1.6623				3.8		20.0			
Methyl acetate	1.1499 1.2921	1.2300 1.2191	1.2865		1.2755	Ave		1.2422			0.1000	4.4		20.0			
Methylene Chloride	1.9433 1.6375	1.7006 1.6039	1.7287		1.6686	Ave		1.7138			0.1000	7.1		20.0			
2-Methyl-2-propanol	0.1892 0.2202	0.1903 0.2183	0.2207		0.2224	Ave		0.2102				7.6		20.0			
Methyl tert-butyl ether	3.8925 4.4055	4.3044 4.3005	4.3977		4.3759	Ave		4.2794			0.1000	4.6		20.0			
trans-1,2-Dichloroethene	1.2549 1.3578	1.3391 1.3677	1.4126		1.4040	Ave		1.3560			0.1000	4.2		20.0			
Acrylonitrile	0.5230 0.5729	0.5561 0.5421	0.5955	0.4865	0.5770	Ave		0.5505				6.7		20.0			
Hexane	1.7643 1.8403	1.8525 1.7959	1.8185		1.8254	Ave		1.8162				1.8		20.0			
1,1-Dichloroethane	2.0478 2.2464	2.2193 2.2937	2.3154		2.2750	Ave		2.2329			0.2000	4.3		20.0			
Vinyl acetate	1.3199 1.8563	1.5868 1.8454	1.6837		1.7901	Ave		1.6804				12.0		20.0			
2,2-Dichloropropane	0.7233 0.8157	0.8331 0.7906	0.8412		0.8212	Ave		0.8042				5.4		20.0			
cis-1,2-Dichloroethene	1.1321 1.3123	1.2907 1.2736	1.3115		1.3212	Ave		1.2735			0.1000	5.6		20.0			
2-Butanone (MEK)	0.6518 0.7780	0.6984 0.7519	0.7688		0.7625	Ave		0.7352			0.1000	6.7		20.0			
Chlorobromomethane	0.5473 0.6257	0.6100 0.6263	0.6112		0.6089	Ave		0.6049				4.8		20.0			
Tetrahydrofuran	0.5539 0.5171	0.4869 0.5002	0.4948		0.5130	Ave		0.5110				4.7		20.0			
Chloroform	1.3569 1.4345	1.4075 1.4260	1.4468		1.4178	Ave		1.4149			0.2000	2.2		20.0			
1,1,1-Trichloroethane	1.1921 1.4003	1.3334 1.4398	1.4317		1.3697	Ave		1.3612			0.1000	6.7		20.0			
Cyclohexane	2.2271 2.4941	2.4171 2.4333	2.4925		2.4214	Ave		2.4143			0.1000	4.1		20.0			
Carbon tetrachloride	1.0708 1.5345	1.3372 1.6825	1.4467		1.5054	Ave		1.4295			0.1000	15.0		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.: 480-67484-1 Analy Batch No.: 204000

SDG No.:

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

Calibration Start Date: 09/24/2014 04:27 Calibration End Date: 09/24/2014 06:42 Calibration ID: 20355

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	1.5183 1.7117	1.6333 1.6804	1.7230		1.7104	Ave		1.6629				4.7		20.0			
Isobutyl alcohol	0.0535 0.0893	0.0723 0.0855	0.0829		0.0872	Ave		0.0784				17.0		20.0			
Benzene	4.8152 5.0592	5.1517 4.8532	5.2023		5.0530	Ave		5.0224			0.5000	3.1		20.0			
1,2-Dichloroethane	1.7708 1.9720	1.9481 1.9600	1.9689		1.9912	Ave		1.9352			0.1000	4.2		20.0			
n-Heptane	1.6719 1.8399	1.8544 1.8058	1.8531		1.8225	Ave		1.8079				3.8		20.0			
Trichloroethene	1.1175 1.2820	1.2617 1.2381	1.3067		1.2486	Ave		1.2424			0.2000	5.3		20.0			
Methylcyclohexane	1.9497 2.2549	2.2092 2.2277	2.3318		2.2023	Ave		2.1959			0.1000	5.9		20.0			
1,2-Dichloropropane	1.0987 1.2494	1.1822 1.2355	1.2517		1.2618	Ave		1.2132			0.1000	5.2		20.0			
Dibromomethane	0.6881 0.7947	0.7262 0.7829	0.7683		0.7807	Ave		0.7568			0.1000	5.4		20.0			
1,4-Dioxane	0.0063 0.0093	0.0080 0.0089	0.0093		0.0089	Ave		0.0085				14.0		20.0			
Bromodichloromethane	1.2046 1.6853	1.3960 1.7493	1.4790		1.5808	Ave		1.5158			0.2000	13.0		20.0			
2-Chloroethyl vinyl ether	0.6668 0.9738	0.8557 0.9941	0.9184		0.9700	Ave		0.8965				14.0		20.0			
cis-1,3-Dichloropropene	1.6241 2.1147	1.8403 2.1587	2.0043		2.0528	Ave		1.9658			0.2000	10.0		20.0			
4-Methyl-2-pentanone (MIBK)	0.6287 0.7291	0.6743 0.6975	0.7251		0.7352	Ave		0.6983			0.1000	5.9		20.0			
Toluene	1.4026 1.5518	1.4791 1.5626	1.5582		1.5371	Ave		1.5152			0.4000	4.2		20.0			
trans-1,3-Dichloropropene	0.6521 0.9404	0.7227 0.9847	0.8568		0.9028	Ave		0.8432			0.1000	15.0		20.0			
Ethyl methacrylate	0.7439 0.9656	0.7819 0.9917	0.8796		0.9291	Ave		0.8819				11.0		20.0			
1,1,2-Trichloroethane	0.3936 0.4617	0.4250 0.4732	0.4632		0.4630	Ave		0.4466			0.1000	6.9		20.0			
Tetrachloroethene	0.5669 0.5855	0.5573 0.5973	0.5924		0.5797	Ave		0.5799			0.2000	2.6		20.0			
1,3-Dichloropropane	0.9139 1.0607	0.9926 1.0739	1.0652		1.0505	Ave		1.0261				6.1		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.: 480-67484-1 Analy Batch No.: 204000

SDG No.:

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

Calibration Start Date: 09/24/2014 04:27 Calibration End Date: 09/24/2014 06:42 Calibration ID: 20355

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	0.4162 0.5307	0.4695 0.5217	0.5136		0.5215	Ave		0.4956			0.1000	9.0		20.0			
Dibromochloromethane	0.3402 0.5602	0.3876 0.6027	0.4388		0.4957	Lin1	-0.463	0.5765			0.1000				0.9930		0.9900
1,2-Dibromoethane	0.4859 0.5788	0.4987 0.5935	0.5622		0.5623	Ave		0.5469				8.1		20.0			
Chlorobenzene	1.4829 1.6466	1.5690 1.6583	1.6640		1.6572	Ave		1.6130			0.5000	4.5		20.0			
1,1,1,2-Tetrachloroethane	0.4019 0.5367	0.4280 0.5594	0.4863		0.5163	Ave		0.4881				13.0		20.0			
Ethylbenzene	2.7267 2.9235	2.8218 2.8831	2.9493		2.9442	Ave		2.8748			0.1000	3.0		20.0			
m,p-Xylene	1.0618 1.1662	1.0981 1.1916	1.1608		1.1578	Ave		1.1394			0.1000	4.3		20.0			
o-Xylene	0.9829 1.1253	1.0840 1.1352	1.1200		1.1210	Ave		1.0947			0.3000	5.2		20.0			
Styrene	1.6206 1.9721	1.7880 2.0004	1.9198		1.9465	Ave		1.8746			0.3000	7.7		20.0			
Bromoform	0.1665 0.3302	0.2023 0.3793	0.2345		0.2790	Lin	-1.403	0.3841			0.1000				0.9950		0.9900
Isopropylbenzene	3.0949 3.4909	3.3703 3.3556	3.6335		3.4717	Ave		3.4028			0.1000	5.3		20.0			
Bromobenzene	0.7134 0.7930	0.7440 0.7839	0.8089		0.7902	Ave		0.7722				4.7		20.0			
1,1,2,2-Tetrachloroethane	0.7578 0.9151	0.8172 0.9144	0.9018		0.9044	Ave		0.8685			0.3000	7.6		20.0			
1,2,3-Trichloropropane	0.2851 0.3166	0.2895 0.3110	0.3228		0.3129	Ave		0.3063				5.0		20.0			
trans-1,4-Dichloro-2-butene	0.2123 0.3269	0.2481 0.3296	0.2890		0.3014	Ave		0.2845				16.0		20.0			
N-Propylbenzene	3.5056 4.0587	3.9323 3.8296	4.2499		4.0591	Ave		3.9392				6.5		20.0			
2-Chlorotoluene	0.7369 0.7831	0.7501 0.7699	0.7991		0.7813	Ave		0.7701				3.0		20.0			
1,3,5-Trimethylbenzene	2.5758 3.0263	2.8210 2.9484	3.0931		2.9813	Ave		2.9076				6.4		20.0			
4-Chlorotoluene	0.7562 0.8295	0.7713 0.8227	0.8488		0.8226	Ave		0.8085				4.5		20.0			
tert-Butylbenzene	0.5207 0.6474	0.6127 0.6434	0.6532		0.6382	Ave		0.6193				8.1		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.: 480-67484-1 Analy Batch No.: 204000

SDG No.:

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

Calibration Start Date: 09/24/2014 04:27 Calibration End Date: 09/24/2014 06:42 Calibration ID: 20355

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	2.6098 3.1228	2.9558 3.0528	3.1969		3.0864	Ave		3.0041				7.0		20.0			
sec-Butylbenzene	3.2494 3.8084	3.6330 3.6901	3.9483		3.7860	Ave		3.6859				6.5		20.0			
1,3-Dichlorobenzene	1.4215 1.5542	1.5001 1.5154	1.6093		1.5556	Ave		1.5260			0.6000	4.2		20.0			
4-Isopropyltoluene	2.6496 3.2037	3.0674 3.1187	3.3427		3.1907	Ave		3.0955				7.7		20.0			
1,4-Dichlorobenzene	1.4907 1.6084	1.5230 1.6029	1.6381		1.6050	Ave		1.5780			0.5000	3.6		20.0			
n-Butylbenzene	2.5533 3.0089	2.8086 2.9781	3.0559		2.9460	Ave		2.8918				6.4		20.0			
1,2-Dichlorobenzene	1.4393 1.5431	1.4684 1.5434	1.6110		1.5244	Ave		1.5216			0.4000	4.0		20.0			
1,2-Dibromo-3-Chloropropane	0.1290 0.1843	0.1266 0.2087	0.1537		0.1630	Ave		0.1609			0.0500	20.0		20.0			
1,2,4-Trichlorobenzene	1.0177 1.1493	1.0440 1.1859	1.1281		1.1071	Ave		1.1053			0.2000	5.8		20.0			
Hexachlorobutadiene	0.4336 0.5188	0.4767 0.5443	0.5107		0.4764	Ave		0.4934				7.9		20.0			
Naphthalene	2.0364 2.8771	2.3336 2.9308	2.7252		2.7421	Ave		2.6075				13.0		20.0			
1,2,3-Trichlorobenzene	0.8911 1.0172	0.8979 1.0524	1.0032		0.9622	Ave		0.9706				6.8		20.0			
Dibromofluoromethane (Surr)	1.0185 1.0852	1.1011 1.0782	1.0753	1.0449	1.0847	Ave		1.0697				2.6		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8270 0.8087	0.8649 0.7915	0.8231	0.8390	0.8284	Ave		0.8261				2.8		20.0			
Toluene-d8 (Surr)	2.3398 2.3235	2.3115 2.3776	2.3301	2.3398	2.3427	Ave		2.3379				0.9		20.0			
4-Bromofluorobenzene (Surr)	0.6262 0.6411	0.6310 0.6641	0.6248	0.6291	0.6281	Ave		0.6349				2.2		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.: 480-67484-1 Analy Batch No.: 204000

SDG No.:

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

Calibration Start Date: 09/24/2014 04:27 Calibration End Date: 09/24/2014 06:42 Calibration ID: 20355

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-204000/6	G34233.D
Level 2	IC 480-204000/7	G34234.D
Level 3	IC 480-204000/8	G34235.D
Level 4	IC 480-204000/5	G34232.D
Level 5	ICIS 480-204000/9	G34236.D
Level 6	IC 480-204000/10	G34237.D
Level 7	IC 480-204000/11	G34238.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	13950 723996	66487 1501677	140109		345847	1.00 50.0	5.00 100	10.0		25.0
Chloromethane	FB	Ave	11011 543370	51429 1106431	102712		261407	1.00 50.0	5.00 100	10.0		25.0
Vinyl chloride	FB	Ave	11315 587392	56239 1183071	113746		285458	1.00 50.0	5.00 100	10.0		25.0
Butadiene	FB	Ave	8724 458921	42695 1018044	97761		228102	1.00 50.0	5.00 100	10.0		25.0
Bromomethane	FB	Qua	3884 215294	14910 473174	25451		61562	1.00 50.0	5.00 100	10.0		25.0
Chloroethane	FB	Ave	7408 323368	33362 681845	66215		161806	1.00 50.0	5.00 100	10.0		25.0
Dichlorofluoromethane	FB	Ave	12751 735183	53455 1525423	128862		322082	1.00 50.0	5.00 100	10.0		25.0
Trichlorofluoromethane	FB	Ave	12266 768968	66494 1577059	141550		360405	1.00 50.0	5.00 100	10.0		25.0
Ethyl ether	FB	Ave	6472 364672	34107 738582	70312		176051	1.00 50.0	5.00 100	10.0		25.0
Acrolein	FB	Ave	5865 268798	26470 559764	52311		134757	5.00 250	25.0 500	50.0		125
1,1-Dichloroethene	FB	Ave	10315 579814	54415 1160112	113072		281969	1.00 50.0	5.00 100	10.0		25.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	8337 462953	40925 961217	94265		223799	1.00 50.0	5.00 100	10.0		25.0
Acetone	FB	Ave	15864 847379	77597 1690025	162997		411888	5.00 250	25.0 500	50.0		125
Iodomethane	FB	Ave	10667 582551	56010 1325218	123310		290988	1.00 50.0	5.00 100	10.0		25.0
Carbon disulfide	FB	Ave	30095 1753954	149287 3584213	333952		838017	1.00 50.0	5.00 100	10.0		25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1 Analy Batch No.: 204000

SDG No.:

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

Calibration Start Date: 09/24/2014 04:27 Calibration End Date: 09/24/2014 06:42 Calibration ID: 20355

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	10775 530767	52227 1188026	111198		262066	1.00 50.0	5.00 100	10.0		25.0
Methyl acetate	FB	Ave	37904 2127282	197033 4142259	412060		1036001	5.00 250	25.0 500	50.0		125
Methylene Chloride	FB	Ave	12811 539198	54483 1089924	110739		271055	1.00 50.0	5.00 100	10.0		25.0
2-Methyl-2-propanol	FB	Ave	12475 725042	60970 1483188	141377		361321	10.0 500	50.0 1000	100		250
Methyl tert-butyl ether	FB	Ave	25661 1450627	137902 2922429	281714		710828	1.00 50.0	5.00 100	10.0		25.0
trans-1,2-Dichloroethene	FB	Ave	8273 447079	42902 929409	90491		228071	1.00 50.0	5.00 100	10.0		25.0
Acrylonitrile	FB	Ave	34481 1886436	178169 3684127	381476	15907	937316	10.0 500	50.0 1000	100	5.00	250
Hexane	FB	Ave	11631 605977	59351 1220412	116495		296519	1.00 50.0	5.00 100	10.0		25.0
1,1-Dichloroethane	FB	Ave	13500 739697	71100 1558712	148327		369554	1.00 50.0	5.00 100	10.0		25.0
Vinyl acetate	FB	Ave	17403 1222438	101677 2508079	215715		581580	2.00 100	10.0 200	20.0		50.0
2,2-Dichloropropane	FB	Ave	4768 268576	26690 537236	53885		133400	1.00 50.0	5.00 100	10.0		25.0
cis-1,2-Dichloroethene	FB	Ave	7463 432116	41350 865456	84015		214612	1.00 50.0	5.00 100	10.0		25.0
2-Butanone (MEK)	FB	Ave	21483 1280941	111873 2554902	246243		619335	5.00 250	25.0 500	50.0		125
Chlorobromomethane	FB	Ave	3608 206035	19544 425633	39151		98910	1.00 50.0	5.00 100	10.0		25.0
Tetrahydrofuran	FB	Ave	7303 340504	31197 679851	63399		166657	2.00 100	10.0 200	20.0		50.0
Chloroform	FB	Ave	8945 472350	45094 969016	92679		230310	1.00 50.0	5.00 100	10.0		25.0
1,1,1-Trichloroethane	FB	Ave	7859 461071	42720 978442	91714		222493	1.00 50.0	5.00 100	10.0		25.0
Cyclohexane	FB	Ave	14682 821257	77438 1653538	159670		393337	1.00 50.0	5.00 100	10.0		25.0
Carbon tetrachloride	FB	Ave	7059 505255	42841 1143335	92674		244541	1.00 50.0	5.00 100	10.0		25.0
1,1-Dichloropropene	FB	Ave	10009 563614	52327 1141923	110377		277847	1.00 50.0	5.00 100	10.0		25.0
Isobutyl alcohol	FB	Ave	8811 735294	57882 1452241	132815		353985	25.0 1250	125 2500	250		625

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1 Analy Batch No.: 204000

SDG No.:

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

Calibration Start Date: 09/24/2014 04:27 Calibration End Date: 09/24/2014 06:42 Calibration ID: 20355

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	31744 1665867	165047 3298000	333259		820808	1.00 50.0	5.00 100	10.0		25.0
1,2-Dichloroethane	FB	Ave	11674 649340	62412 1331910	126130		323450	1.00 50.0	5.00 100	10.0		25.0
n-Heptane	FB	Ave	11022 605846	59409 1227111	118710		296050	1.00 50.0	5.00 100	10.0		25.0
Trichloroethene	FB	Ave	7367 422116	40422 841384	83709		202818	1.00 50.0	5.00 100	10.0		25.0
Methylcyclohexane	FB	Ave	12853 742494	70776 1513877	149378		357746	1.00 50.0	5.00 100	10.0		25.0
1,2-Dichloropropane	FB	Ave	7243 411386	37875 839570	80181		204971	1.00 50.0	5.00 100	10.0		25.0
Dibromomethane	FB	Ave	4536 261667	23266 532021	49217		126823	1.00 50.0	5.00 100	10.0		25.0
1,4-Dioxane	CBZ	Ave	1713 128323	10979 245180	25158		60418	20.0 1000	100 2000	200		500
Bromodichloromethane	FB	Ave	7941 554924	44725 1188728	94745		256791	1.00 50.0	5.00 100	10.0		25.0
2-Chloroethyl vinyl ether	FB	Ave	4396 320632	27415 675575	58832		157571	1.00 50.0	5.00 100	10.0		25.0
cis-1,3-Dichloropropene	FB	Ave	10707 696314	58959 1466980	128393		333464	1.00 50.0	5.00 100	10.0		25.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	42642 2510465	231942 4826758	488205		1242342	5.00 250	25.0 500	50.0		125
Toluene	CBZ	Ave	19025 1068672	101762 2162625	209823		519483	1.00 50.0	5.00 100	10.0		25.0
trans-1,3-Dichloropropene	CBZ	Ave	8845 647621	49718 1362869	115375		305120	1.00 50.0	5.00 100	10.0		25.0
Ethyl methacrylate	CBZ	Ave	10090 664952	53793 1372436	118445		314004	1.00 50.0	5.00 100	10.0		25.0
1,1,2-Trichloroethane	CBZ	Ave	5339 317966	29240 654833	62370		156471	1.00 50.0	5.00 100	10.0		25.0
Tetrachloroethene	CBZ	Ave	7690 403210	38342 826715	79770		195907	1.00 50.0	5.00 100	10.0		25.0
1,3-Dichloropropane	CBZ	Ave	12396 730432	68290 1486280	143446		355016	1.00 50.0	5.00 100	10.0		25.0
2-Hexanone	CBZ	Ave	28226 1827492	161512 3610379	345827		881260	5.00 250	25.0 500	50.0		125
Dibromochloromethane	CBZ	Lin1	4614 385811	26663 834164	59091		167523	1.00 50.0	5.00 100	10.0		25.0
1,2-Dibromoethane	CBZ	Ave	6591 398627	34308 821357	75708		190027	1.00 50.0	5.00 100	10.0		25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1 Analy Batch No.: 204000

SDG No.:

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

Calibration Start Date: 09/24/2014 04:27 Calibration End Date: 09/24/2014 06:42 Calibration ID: 20355

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	20115 1133928	107948 2295083	224070		560077	1.00 50.0	5.00 100	10.0		25.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	5451 369629	29446 774241	65489		174475	1.00 50.0	5.00 100	10.0		25.0
Ethylbenzene	CBZ	Ave	36986 2013323	194137 3990154	397152		995019	1.00 50.0	5.00 100	10.0		25.0
m,p-Xylene	CBZ	Ave	14403 803125	75551 1649083	156311		391284	1.00 50.0	5.00 100	10.0		25.0
o-Xylene	CBZ	Ave	13333 774946	74575 1571067	150819		378844	1.00 50.0	5.00 100	10.0		25.0
Styrene	CBZ	Ave	21982 1358132	123013 2768546	258518		657854	1.00 50.0	5.00 100	10.0		25.0
Bromoform	CBZ	Lin	2259 227407	13919 524886	31581		94300	1.00 50.0	5.00 100	10.0		25.0
Isopropylbenzene	DCB	Ave	35240 2034477	195056 4107918	401120		997734	1.00 50.0	5.00 100	10.0		25.0
Bromobenzene	DCB	Ave	8123 462148	43058 959664	89303		227089	1.00 50.0	5.00 100	10.0		25.0
1,1,2,2-Tetrachloroethane	DCB	Ave	8629 533300	47295 1119381	99556		259927	1.00 50.0	5.00 100	10.0		25.0
1,2,3-Trichloropropane	DCB	Ave	3246 184504	16754 380746	35637		89922	1.00 50.0	5.00 100	10.0		25.0
trans-1,4-Dichloro-2-butene	DCB	Ave	2417 190505	14360 403481	31900		86618	1.00 50.0	5.00 100	10.0		25.0
N-Propylbenzene	DCB	Ave	39916 2365382	227580 4688213	469171		1166540	1.00 50.0	5.00 100	10.0		25.0
2-Chlorotoluene	DCB	Ave	8391 456402	43413 942572	88213		224551	1.00 50.0	5.00 100	10.0		25.0
1,3,5-Trimethylbenzene	DCB	Ave	29329 1763725	163265 3609478	341458		856785	1.00 50.0	5.00 100	10.0		25.0
4-Chlorotoluene	DCB	Ave	8610 483449	44638 1007202	93698		236413	1.00 50.0	5.00 100	10.0		25.0
tert-Butylbenzene	DCB	Ave	5929 377307	35461 787644	72111		183402	1.00 50.0	5.00 100	10.0		25.0
1,2,4-Trimethylbenzene	DCB	Ave	29716 1819953	171067 3737318	352925		887010	1.00 50.0	5.00 100	10.0		25.0
sec-Butylbenzene	DCB	Ave	36999 2219483	210262 4517496	435877		1088052	1.00 50.0	5.00 100	10.0		25.0
1,3-Dichlorobenzene	DCB	Ave	16186 905783	86816 1855217	177658		447062	1.00 50.0	5.00 100	10.0		25.0
4-Isopropyltoluene	DCB	Ave	30170 1867080	177529 3817941	369015		916970	1.00 50.0	5.00 100	10.0		25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1 Analy Batch No.: 204000

SDG No.:

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

Calibration Start Date: 09/24/2014 04:27 Calibration End Date: 09/24/2014 06:42 Calibration ID: 20355

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	16974 937364	88146 1962231	180834		461264	1.00 50.0	5.00 100	10.0		25.0
n-Butylbenzene	DCB	Ave	29073 1753541	162547 3645855	337358		846659	1.00 50.0	5.00 100	10.0		25.0
1,2-Dichlorobenzene	DCB	Ave	16389 899310	84983 1889399	177849		438099	1.00 50.0	5.00 100	10.0		25.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	1469 107394	7328 255512	16966		46858	1.00 50.0	5.00 100	10.0		25.0
1,2,4-Trichlorobenzene	DCB	Ave	11588 669805	60424 1451736	124542		318156	1.00 50.0	5.00 100	10.0		25.0
Hexachlorobutadiene	DCB	Ave	4937 302342	27590 666383	56380		136923	1.00 50.0	5.00 100	10.0		25.0
Naphthalene	DCB	Ave	23187 1676753	135059 3587969	300845		788066	1.00 50.0	5.00 100	10.0		25.0
1,2,3-Trichlorobenzene	DCB	Ave	10146 592789	51968 1288307	110743		276528	1.00 50.0	5.00 100	10.0		25.0
Dibromofluoromethane (Surr)	FB	Ave	167861 178669	176380 183181	172215	170834	176196	25.0 25.0	25.0 25.0	25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	136299 133144	138544 134461	131816	137169	134574	25.0 25.0	25.0 25.0	25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	793436 800061	795152 822647	784431	799136	791751	25.0 25.0	25.0 25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	212364 220743	217049 229777	210349	214855	212275	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
Qua = Quadratic ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34232.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Sep-2014 04:27:30 ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0035654-005480-0035654-005
Operator ID: gtg Instrument ID: HP5973G
Sublist: chrom-G-8260*sub20

Method: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2014 10:12:33 Calib Date: 24-Sep-2014 09:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34245.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: sobolr Date: 24-Sep-2014 10:12:33

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	5.584	5.584	0.000	98	163499	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.577	8.577	0.000	89	341538	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.949	10.955	-0.007	98	285719	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.986	4.992	-0.006	93	170834	25.0	24.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.297	5.297	0.000	0	137169	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	7.096	7.096	0.000	93	799136	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.821	9.821	0.000	83	214855	25.0	24.8	
10 Dichlorodifluoromethane	85		1.414					ND	
12 Chloromethane	50		1.578					ND	
13 Vinyl chloride	62		1.688					ND	
144 Butadiene	54		1.719					ND	
14 Bromomethane	94		1.999					ND	
15 Chloroethane	64		2.133					ND	
16 Dichlorofluoromethane	67		2.334					ND	
17 Trichlorofluoromethane	101		2.340					ND	
18 Ethyl ether	59		2.615					ND	
19 Acrolein	56		2.773					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.859					ND	
20 1,1-Dichloroethene	96		2.865					ND	
22 Acetone	43		2.932					ND	
23 Iodomethane	142		3.041					ND	
24 Carbon disulfide	76		3.066					ND	
26 3-Chloro-1-propene	41		3.188					ND	
28 Methyl acetate	43		3.230					ND	
29 Methylene Chloride	84		3.383					ND	
30 2-Methyl-2-propanol	59		3.493					ND	
31 Methyl tert-butyl ether	73		3.560					ND	
32 trans-1,2-Dichloroethene	96		3.566					ND	
33 Acrylonitrile	53	3.602	3.590	0.012	97	15907	5.00	4.42	M
34 Hexane	57		3.779					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		3.974					ND	
38 Vinyl acetate	43		4.029					ND	
42 2,2-Dichloropropane	77		4.498					ND	
43 cis-1,2-Dichloroethene	96		4.529					ND	
44 2-Butanone (MEK)	43		4.553					ND	
48 Chlorobromomethane	128		4.761					ND	
49 Tetrahydrofuran	42		4.797					ND	
50 Chloroform	85		4.834					ND	
51 1,1,1-Trichloroethane	97		4.962					ND	
52 Cyclohexane	56		4.986					ND	
53 Carbon tetrachloride	117		5.108					ND	
54 1,1-Dichloropropene	75		5.120					ND	
55 Isobutyl alcohol	43		5.303					ND	
56 Benzene	78		5.315					ND	
57 1,2-Dichloroethane	62		5.370					ND	
59 n-Heptane	43		5.517					ND	
61 Trichloroethene	95		5.931					ND	
62 Methylcyclohexane	83		6.065					ND	
63 1,2-Dichloropropane	63		6.157					ND	
65 Dibromomethane	93		6.291					ND	
66 1,4-Dioxane	88		6.309					ND	
67 Dichlorobromomethane	83		6.443					ND	
70 2-Chloroethyl vinyl ether	63		6.718					ND	
72 cis-1,3-Dichloropropene	75		6.864					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.998					ND	
74 Toluene	92		7.163					ND	
76 trans-1,3-Dichloropropene	75		7.425					ND	
78 Ethyl methacrylate	69		7.480					ND	
79 1,1,2-Trichloroethane	83		7.614					ND	
80 Tetrachloroethene	166		7.705					ND	
81 1,3-Dichloropropane	76		7.772					ND	
82 2-Hexanone	43		7.839					ND	
83 Chlorodibromomethane	129		8.016					ND	
84 Ethylene Dibromide	107		8.120					ND	
86 Chlorobenzene	112		8.607					ND	
88 1,1,1,2-Tetrachloroethane	131		8.699					ND	
89 Ethylbenzene	91		8.705					ND	
90 m-Xylene & p-Xylene	106		8.827					ND	
91 o-Xylene	106		9.254					ND	
92 Styrene	104		9.278					ND	
93 Bromoform	173		9.516					ND	
95 Isopropylbenzene	105		9.632					ND	
97 Bromobenzene	156		9.973					ND	
98 1,1,2,2-Tetrachloroethane	83		10.004					ND	
99 1,2,3-Trichloropropane	110		10.040					ND	
100 trans-1,4-Dichloro-2-buten	53		10.052					ND	
101 N-Propylbenzene	91		10.058					ND	
102 2-Chlorotoluene	126		10.156					ND	
104 1,3,5-Trimethylbenzene	105		10.235					ND	
105 4-Chlorotoluene	126		10.266					ND	
106 tert-Butylbenzene	134		10.546					ND	
107 1,2,4-Trimethylbenzene	105		10.601					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		10.759					ND	
110 1,3-Dichlorobenzene	146		10.887					ND	
111 4-Isopropyltoluene	119		10.894					ND	
113 1,4-Dichlorobenzene	146		10.973					ND	
115 n-Butylbenzene	91		11.278					ND	
116 1,2-Dichlorobenzene	146		11.320					ND	
117 1,2-Dibromo-3-Chloropropan	75		12.040					ND	
119 1,2,4-Trichlorobenzene	180		12.729					ND	
120 Hexachlorobutadiene	225		12.844					ND	
121 Naphthalene	128		12.936					ND	
122 1,2,3-Trichlorobenzene	180		13.143					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					0	
S 126 1,3-Dichloropropene, Total	1		30.000					0	
S 123 Total BTEX	1		30.000					0	
S 124 Xylenes, Total	1		30.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00022	Amount Added:	0.50	Units: uL	
GAS CORP mix_00048	Amount Added:	0.50	Units: uL	
G_8260_IS_00065	Amount Added:	1.00	Units: uL	Run Reagent
G_8260_Surr_00081	Amount Added:	1.00	Units: uL	Run Reagent

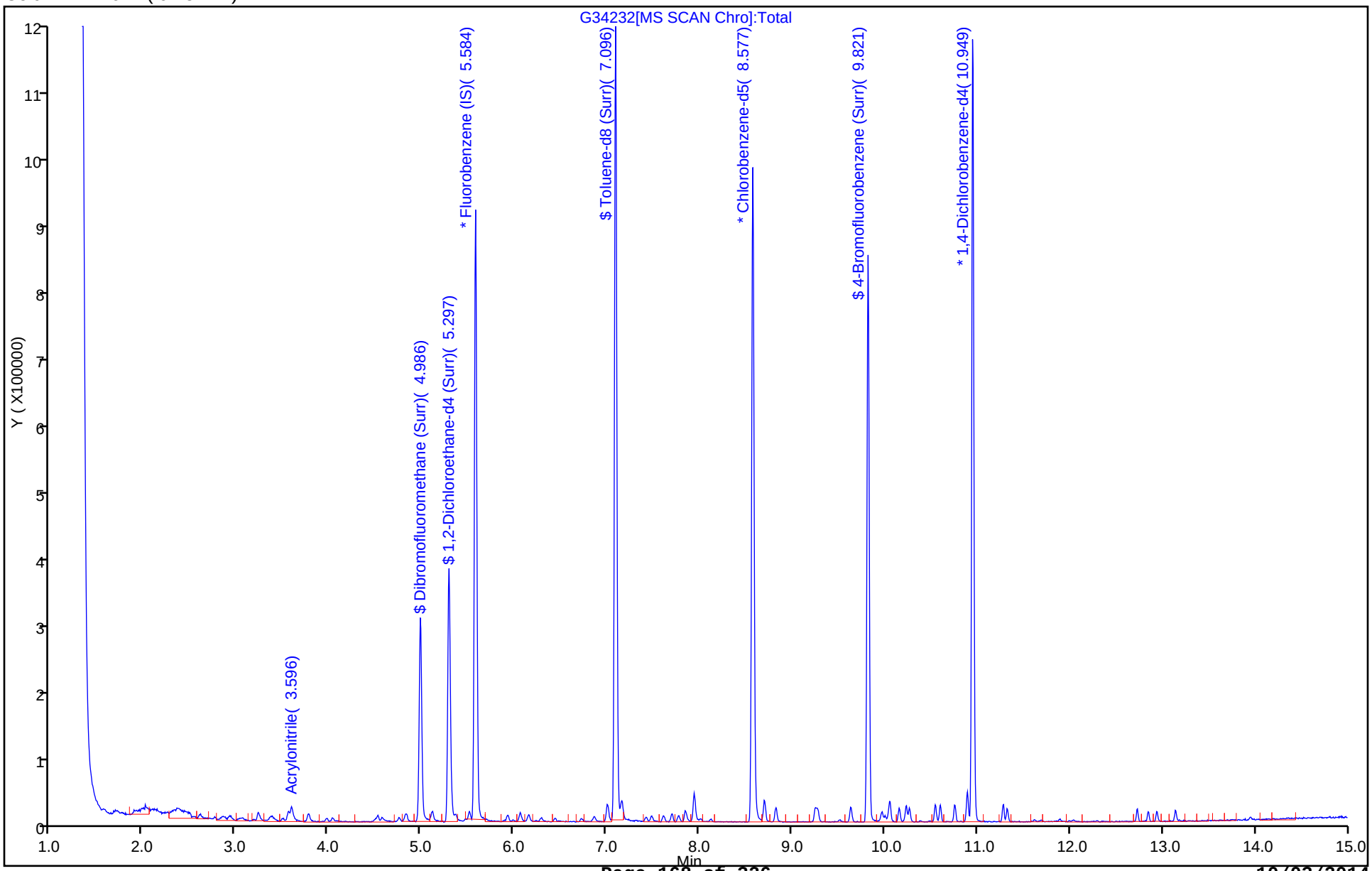
Report Date: 24-Sep-2014 10:12:35 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34232.D

Injection Date:	24-Sep-2014 04:27:30	Instrument ID:	HP5973G	Operator ID:	gtg
Lims ID:	IC 0.5			Worklist Smp#:	5
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)



Manual Integration/User Assign Peak Report

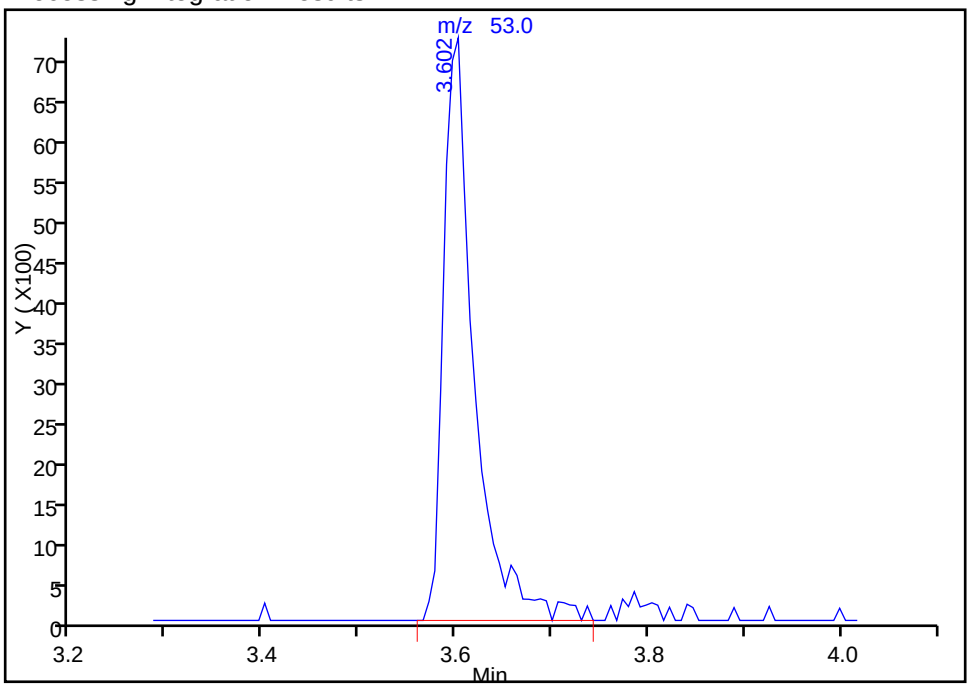
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34232.D
Injection Date: 24-Sep-2014 04:27:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: gtg ALS Bottle#: 7 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

33 Acrylonitrile, CAS: 107-13-1

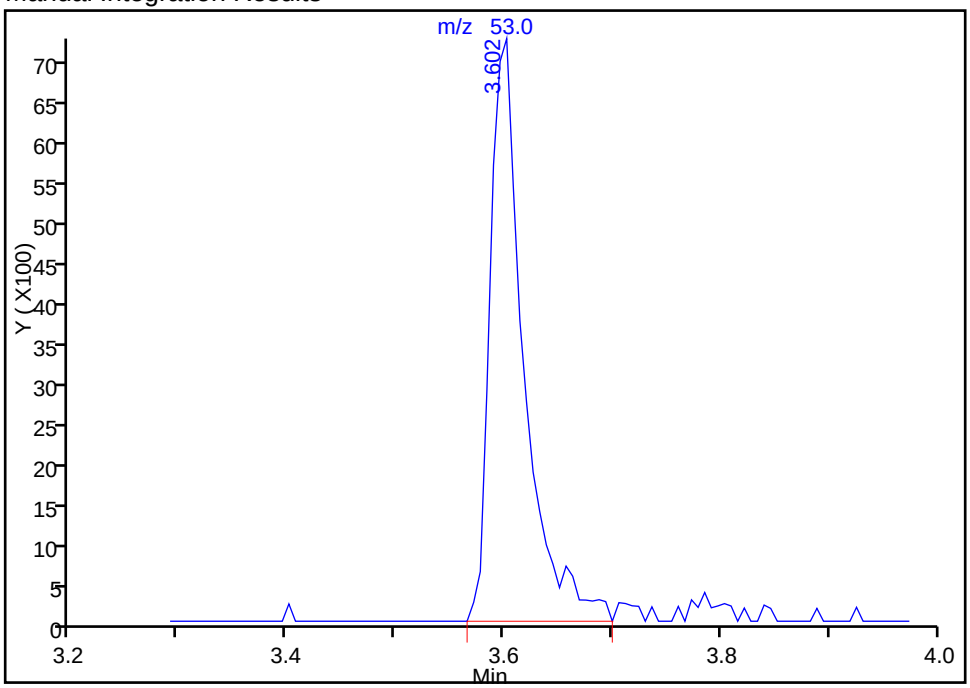
Processing Integration Results

RT: 3.60
Response: 16278
Amount: 4.508451



Manual Integration Results

RT: 3.60
Response: 15907
Amount: 4.418669



Reviewer: sobolr, 24-Sep-2014 09:49:04
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34233.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Sep-2014 04:49:30 ALS Bottle#: 8 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0035654-006480-0035654-006
Operator ID: gtg Instrument ID: HP5973G
Sublist: chrom-G-8260*sub20

Method: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2014 10:30:14 Calib Date: 24-Sep-2014 09:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34245.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: sobolr Date: 24-Sep-2014 10:12:42

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	5.584	5.584	0.000	98	164810	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.577	8.577	0.000	89	339109	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.954	10.948	0.006	97	284661	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.986	4.986	0.000	93	167861	25.0	23.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.297	5.297	0.000	0	136299	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	7.095	7.096	-0.001	93	793436	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.821	9.821	0.000	83	212364	25.0	24.7	
10 Dichlorodifluoromethane	85	1.414	1.420	-0.006	96	13950	1.00	0.9830	
12 Chloromethane	50	1.572	1.572	0.000	98	11011	1.00	1.03	
13 Vinyl chloride	62	1.682	1.682	0.000	97	11315	1.00	0.9780	
144 Butadiene	54	1.731	1.719	0.012	79	8724	1.00	0.9365	
14 Bromomethane	94	1.987	1.987	0.000	57	3884	1.00	3.12	
15 Chloroethane	64	2.133	2.139	-0.006	90	7408	1.00	1.09	
16 Dichlorofluoromethane	67	2.334	2.328	0.006	54	12751	1.00	0.9611	M
17 Trichlorofluoromethane	101	2.353	2.353	0.000	76	12266	1.00	0.8574	
18 Ethyl ether	59	2.609	2.609	0.000	89	6472	1.00	0.9172	
19 Acrolein	56	2.773	2.773	0.000	99	5865	5.00	5.34	M
20 1,1-Dichloroethene	96	2.877	2.859	0.018	93	10315	1.00	0.9175	
21 1,1,2-Trichloro-1,2,2-trif	101	2.895	2.877	0.018	52	8337	1.00	0.9240	M
22 Acetone	43	2.932	2.932	0.000	99	15864	5.00	4.82	
23 Iodomethane	142	3.041	3.035	0.006	98	10667	1.00	0.8988	M
24 Carbon disulfide	76	3.066	3.060	0.006	98	30095	1.00	0.9070	M
26 3-Chloro-1-propene	41	3.188	3.188	0.000	87	10775	1.00	0.9832	
28 Methyl acetate	43	3.236	3.230	0.006	98	37904	5.00	4.63	
29 Methylene Chloride	84	3.389	3.377	0.012	92	12811	1.00	1.13	
30 2-Methyl-2-propanol	59	3.505	3.493	0.012	98	12475	10.0	9.00	
31 Methyl tert-butyl ether	73	3.566	3.560	0.006	95	25661	1.00	0.9096	
32 trans-1,2-Dichloroethene	96	3.566	3.566	0.000	49	8273	1.00	0.9255	
33 Acrylonitrile	53	3.602	3.590	0.012	98	34481	10.0	9.50	
34 Hexane	57	3.779	3.779	0.000	94	11631	1.00	0.9714	

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	3.980	3.974	0.006	94	13500	1.00	0.9171	M
38 Vinyl acetate	43	4.035	4.029	0.006	97	17403	2.00	1.57	
42 2,2-Dichloropropane	77	4.498	4.498	0.000	87	4768	1.00	0.8994	
43 cis-1,2-Dichloroethene	96	4.529	4.529	0.000	80	7463	1.00	0.8889	
44 2-Butanone (MEK)	43	4.572	4.559	0.013	99	21483	5.00	4.43	M
48 Chlorobromomethane	128	4.767	4.761	0.006	95	3608	1.00	0.9048	
49 Tetrahydrofuran	42	4.822	4.803	0.019	82	7303	2.00	2.17	M
50 Chloroform	85	4.840	4.834	0.006	94	8945	1.00	0.9590	
51 1,1,1-Trichloroethane	97	4.962	4.962	0.000	64	7859	1.00	0.8758	
52 Cyclohexane	56	4.992	4.986	0.006	45	14682	1.00	0.9225	M
53 Carbon tetrachloride	117	5.108	5.108	0.000	72	7059	1.00	0.7491	
54 1,1-Dichloropropene	75	5.120	5.114	0.006	93	10009	1.00	0.9130	
55 Isobutyl alcohol	43	5.321	5.309	0.012	50	8811	25.0	17.0	
56 Benzene	78	5.315	5.315	0.000	92	31744	1.00	0.9587	
57 1,2-Dichloroethane	62	5.370	5.370	0.000	97	11674	1.00	0.9151	
59 n-Heptane	43	5.517	5.517	0.000	89	11022	1.00	0.9248	
61 Trichloroethene	95	5.931	5.925	0.006	96	7367	1.00	0.8994	
62 Methylcyclohexane	83	6.065	6.065	0.000	89	12853	1.00	0.9094	M
63 1,2-Dichloropropane	63	6.157	6.157	0.000	90	7243	1.00	0.9056	
65 Dibromomethane	93	6.285	6.291	-0.006	91	4536	1.00	0.9092	
66 1,4-Dioxane	88	6.327	6.309	0.018	57	1713	20.0	14.9	
67 Dichlorobromomethane	83	6.443	6.443	0.000	99	7941	1.00	0.7947	
70 2-Chloroethyl vinyl ether	63	6.730	6.718	0.012	93	4396	1.00	0.7438	
72 cis-1,3-Dichloropropene	75	6.864	6.864	0.000	92	10707	1.00	0.8262	
73 4-Methyl-2-pentanone (MIBK	43	7.004	7.004	0.000	96	42642	5.00	4.50	
74 Toluene	92	7.163	7.163	0.000	95	19025	1.00	0.9256	
76 trans-1,3-Dichloropropene	75	7.425	7.425	0.000	94	8845	1.00	0.7733	
78 Ethyl methacrylate	69	7.486	7.480	0.006	89	10090	1.00	0.8434	
79 1,1,2-Trichloroethane	83	7.614	7.608	0.006	93	5339	1.00	0.8813	
80 Tetrachloroethene	166	7.705	7.705	0.000	94	7690	1.00	0.9777	
81 1,3-Dichloropropane	76	7.772	7.772	0.000	92	12396	1.00	0.8906	
82 2-Hexanone	43	7.851	7.839	0.012	96	28226	5.00	4.20	
83 Chlorodibromomethane	129	8.016	8.010	0.006	92	4614	1.00	1.39	
84 Ethylene Dibromide	107	8.126	8.120	0.006	94	6591	1.00	0.8885	
86 Chlorobenzene	112	8.607	8.607	0.000	95	20115	1.00	0.9194	
88 1,1,1,2-Tetrachloroethane	131	8.699	8.699	0.000	41	5451	1.00	0.8233	
89 Ethylbenzene	91	8.705	8.705	0.000	98	36986	1.00	0.9485	
90 m-Xylene & p-Xylene	106	8.827	8.827	0.000	0	14403	1.00	0.9319	
91 o-Xylene	106	9.254	9.254	0.000	96	13333	1.00	0.8979	
92 Styrene	104	9.278	9.278	0.000	94	21982	1.00	0.8645	
93 Bromoform	173	9.516	9.516	0.000	88	2259	1.00	4.09	
95 Isopropylbenzene	105	9.638	9.638	0.000	96	35240	1.00	0.9095	
97 Bromobenzene	156	9.973	9.973	0.000	97	8123	1.00	0.9238	
98 1,1,2,2-Tetrachloroethane	83	10.003	10.004	-0.001	96	8629	1.00	0.8726	
99 1,2,3-Trichloropropane	110	10.040	10.040	0.000	86	3246	1.00	0.9307	
100 trans-1,4-Dichloro-2-buten	53	10.058	10.052	0.006	62	2417	1.00	0.7460	
101 N-Propylbenzene	91	10.058	10.058	0.000	99	39916	1.00	0.8899	
102 2-Chlorotoluene	126	10.156	10.156	0.000	96	8391	1.00	0.9569	
104 1,3,5-Trimethylbenzene	105	10.235	10.235	0.000	94	29329	1.00	0.8859	
105 4-Chlorotoluene	126	10.266	10.266	0.000	97	8610	1.00	0.9352	
106 tert-Butylbenzene	134	10.546	10.546	0.000	92	5929	1.00	0.8408	
107 1,2,4-Trimethylbenzene	105	10.601	10.601	0.000	98	29716	1.00	0.8687	

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	10.759	10.759	0.000	95	36999	1.00	0.8816	
110 1,3-Dichlorobenzene	146	10.887	10.887	0.000	92	16186	1.00	0.9315	
111 4-Isopropyltoluene	119	10.894	10.894	0.000	95	30170	1.00	0.8560	
113 1,4-Dichlorobenzene	146	10.973	10.973	0.000	92	16974	1.00	0.9447	
115 n-Butylbenzene	91	11.278	11.278	0.000	98	29073	1.00	0.8829	
116 1,2-Dichlorobenzene	146	11.320	11.320	0.000	94	16389	1.00	0.9459	
117 1,2-Dibromo-3-Chloropropan	75	12.040	12.040	0.000	64	1469	1.00	0.8019	
119 1,2,4-Trichlorobenzene	180	12.729	12.729	0.000	92	11588	1.00	0.9207	
120 Hexachlorobutadiene	225	12.850	12.851	0.000	93	4937	1.00	0.8787	
121 Naphthalene	128	12.936	12.936	0.000	98	23187	1.00	0.7810	
122 1,2,3-Trichlorobenzene	180	13.143	13.143	0.000	96	10146	1.00	0.9180	
S 125 1,2-Dichloroethene, Total	1				0			1.81	
S 126 1,3-Dichloropropene, Total	1				0			1.60	
S 123 Total BTEX	1				0			4.66	
S 124 Xylenes, Total	1				0			1.83	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00048	Amount Added:	1.00	Units: uL	
8260 CORP mix_00022	Amount Added:	1.00	Units: uL	
G_8260_IS_00065	Amount Added:	1.00	Units: uL	Run Reagent
G_8260_Surr_00081	Amount Added:	1.00	Units: uL	Run Reagent

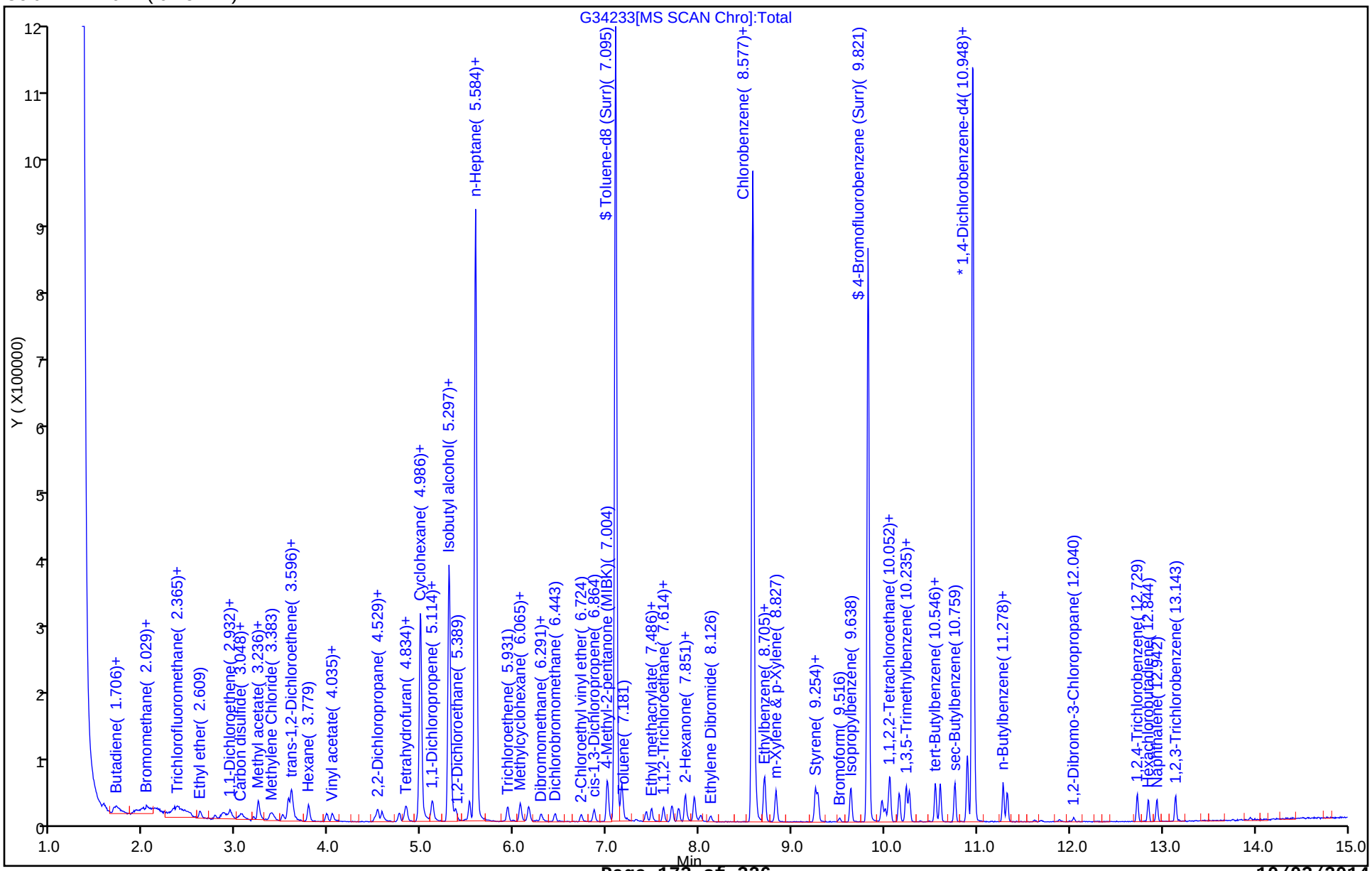
Report Date: 24-Sep-2014 10:30:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34233.D

Injection Date:	24-Sep-2014 04:49:30	Instrument ID:	HP5973G	Operator ID:	gtg
Lims ID:	IC			Worklist Smp#:	6
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)



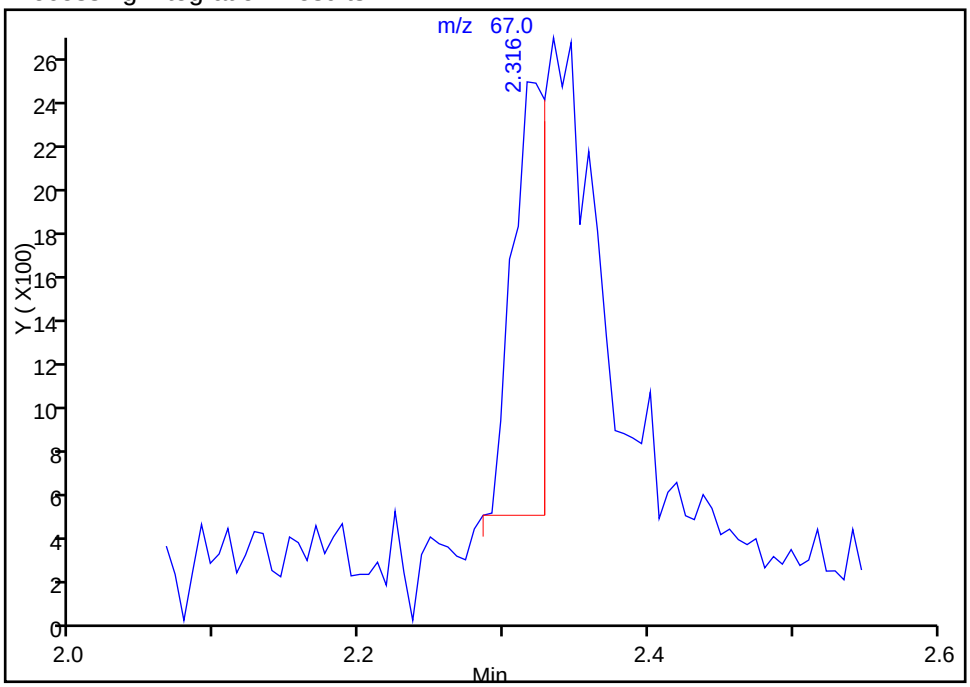
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34233.D
Injection Date: 24-Sep-2014 04:49:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 8 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

16 Dichlorofluoromethane, CAS: 75-43-4

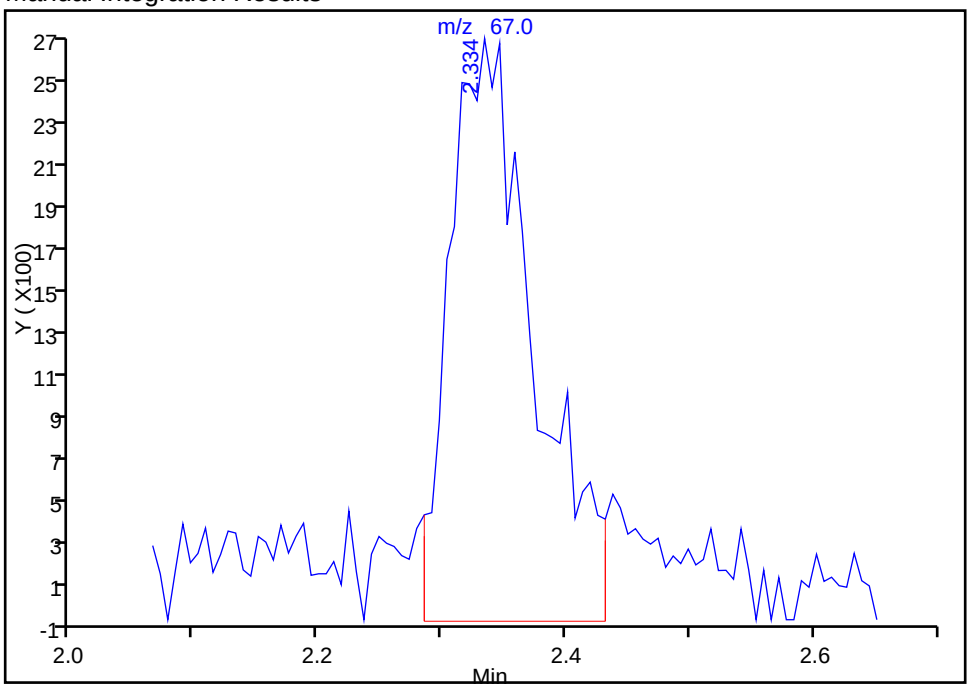
Processing Integration Results

RT: 2.32
Response: 3237
Amount: 1.126406



Manual Integration Results

RT: 2.33
Response: 12751
Amount: 0.961129



Reviewer: sobolr, 24-Sep-2014 09:56:06
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

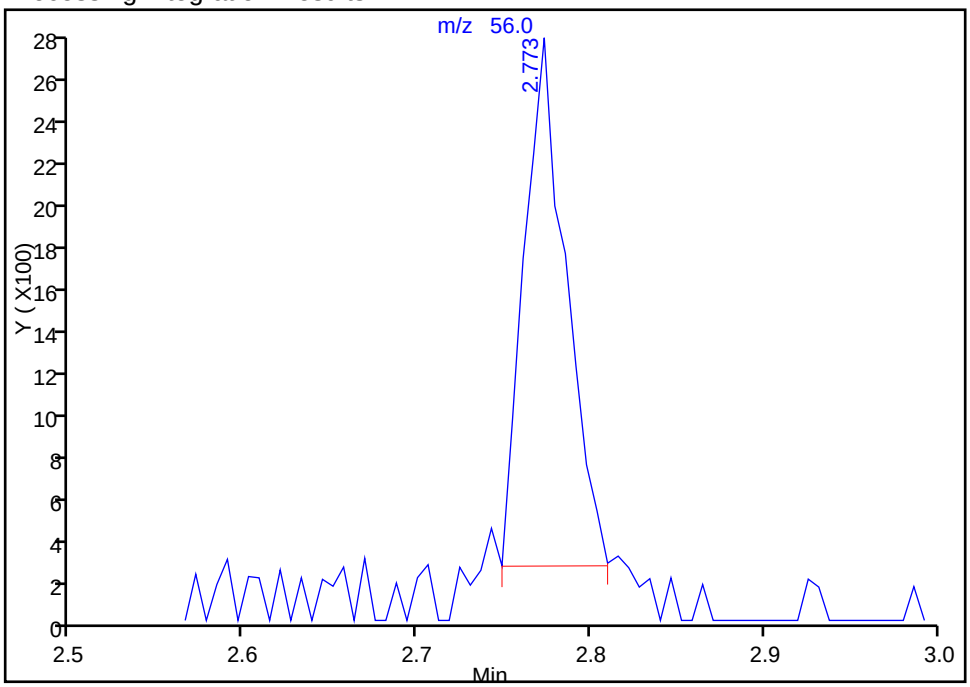
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34233.D
Injection Date: 24-Sep-2014 04:49:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 8 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

19 Acrolein, CAS: 107-02-8

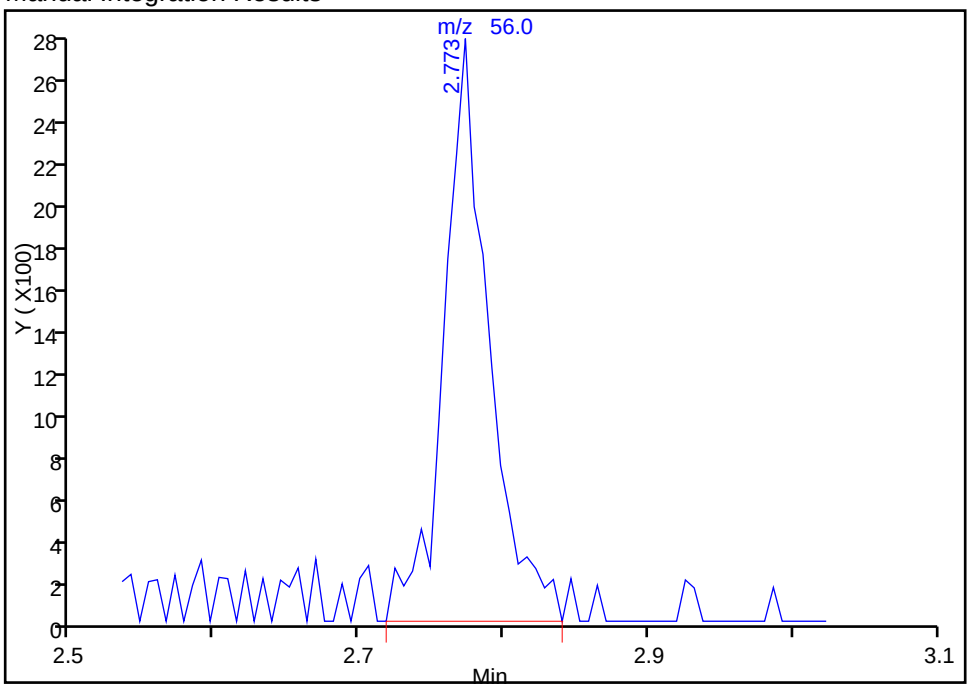
Processing Integration Results

RT: 2.77
Response: 4129
Amount: 3.965127



Manual Integration Results

RT: 2.77
Response: 5865
Amount: 5.335722



Reviewer: sobolr, 24-Sep-2014 09:59:36
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

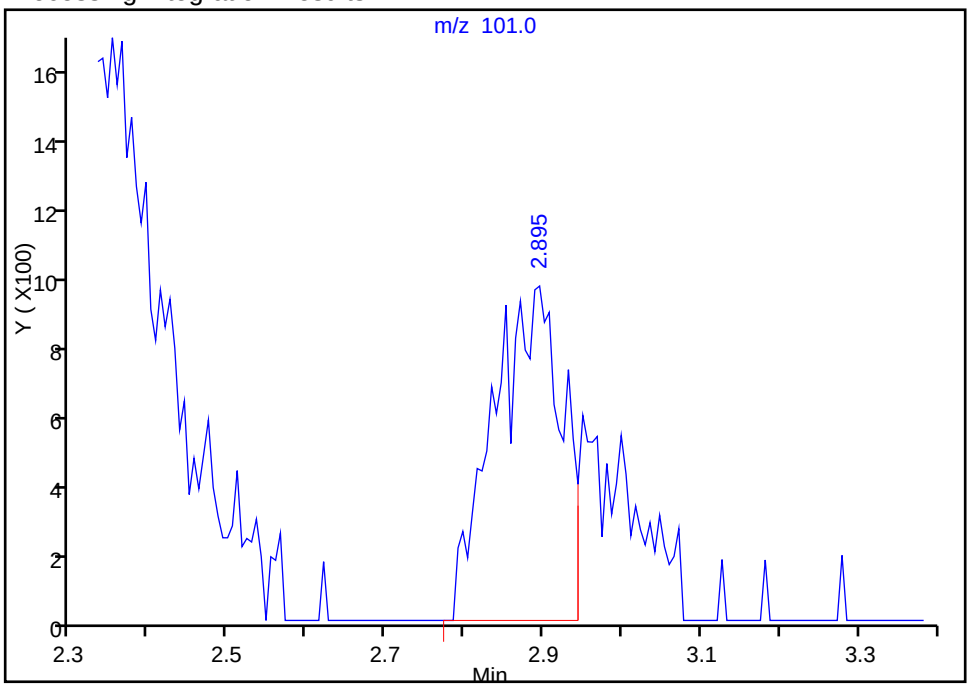
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34233.D
Injection Date: 24-Sep-2014 04:49:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 8 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

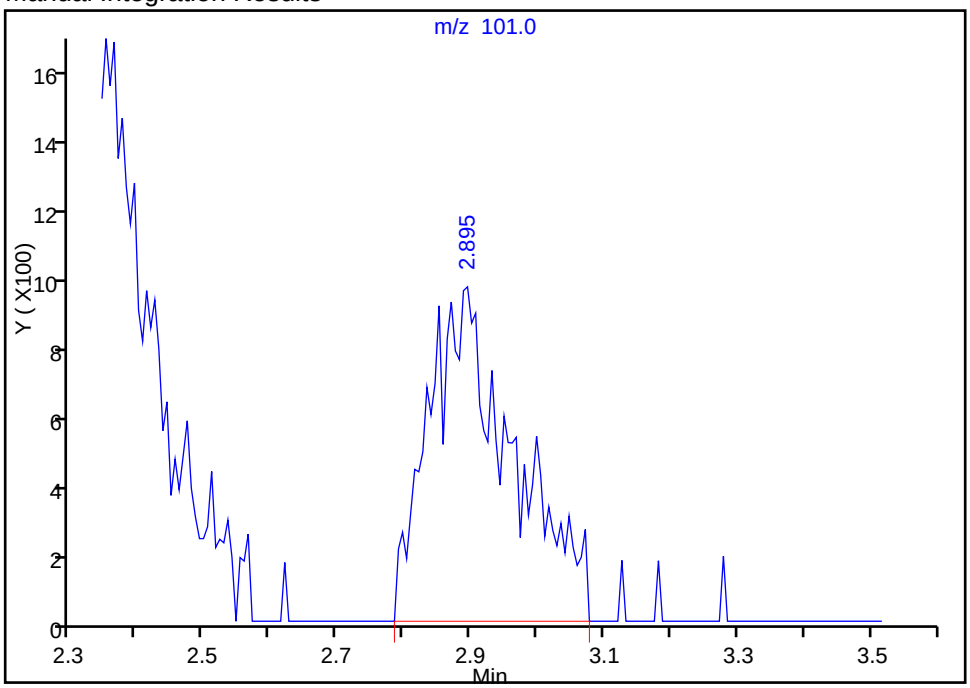
Processing Integration Results

RT: 2.90
Response: 5754
Amount: 0.974686



Manual Integration Results

RT: 2.90
Response: 8337
Amount: 0.924022



Reviewer: sobolr, 24-Sep-2014 09:59:36
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

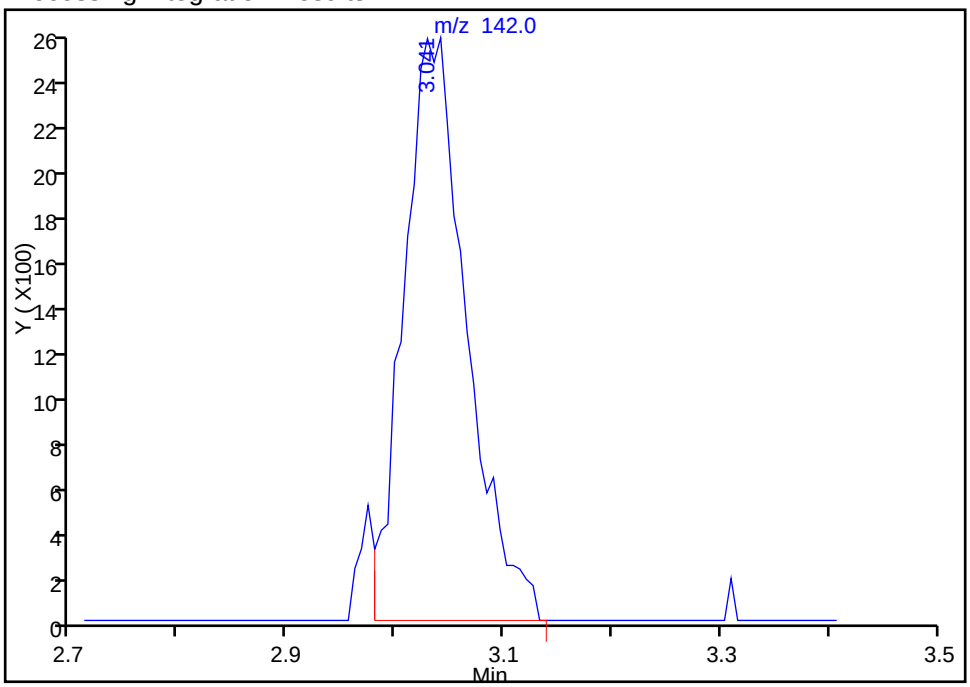
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34233.D
Injection Date: 24-Sep-2014 04:49:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 8 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

23 Iodomethane, CAS: 74-88-4

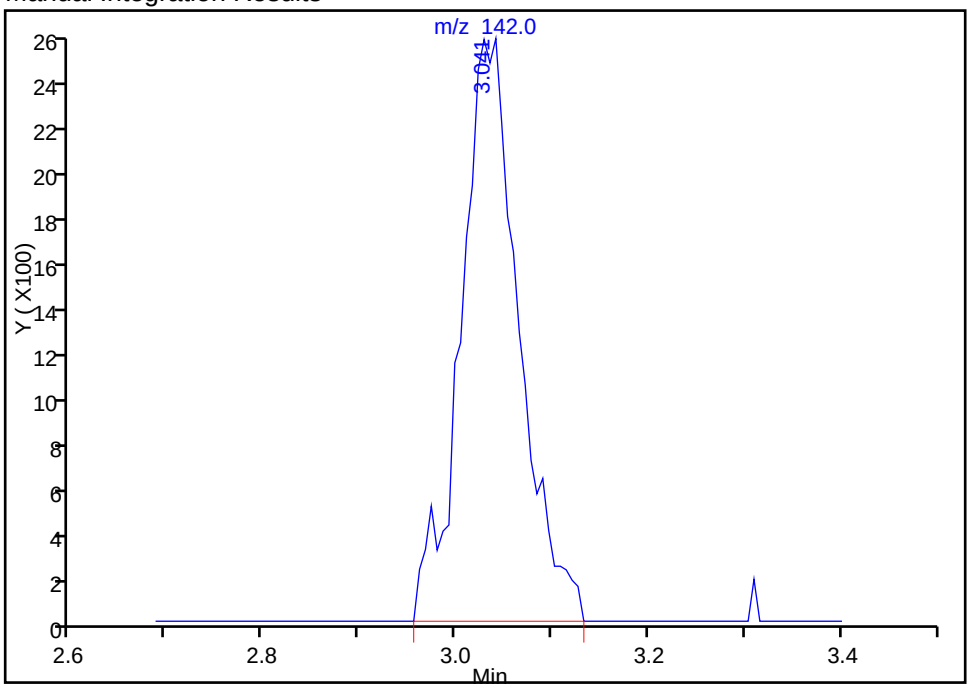
Processing Integration Results

RT: 3.04
Response: 10285
Amount: 0.871259



Manual Integration Results

RT: 3.04
Response: 10667
Amount: 0.898771



Reviewer: sobolr, 24-Sep-2014 09:59:36
Audit Action: Manually Integrated
Audit Reason: Split Peak

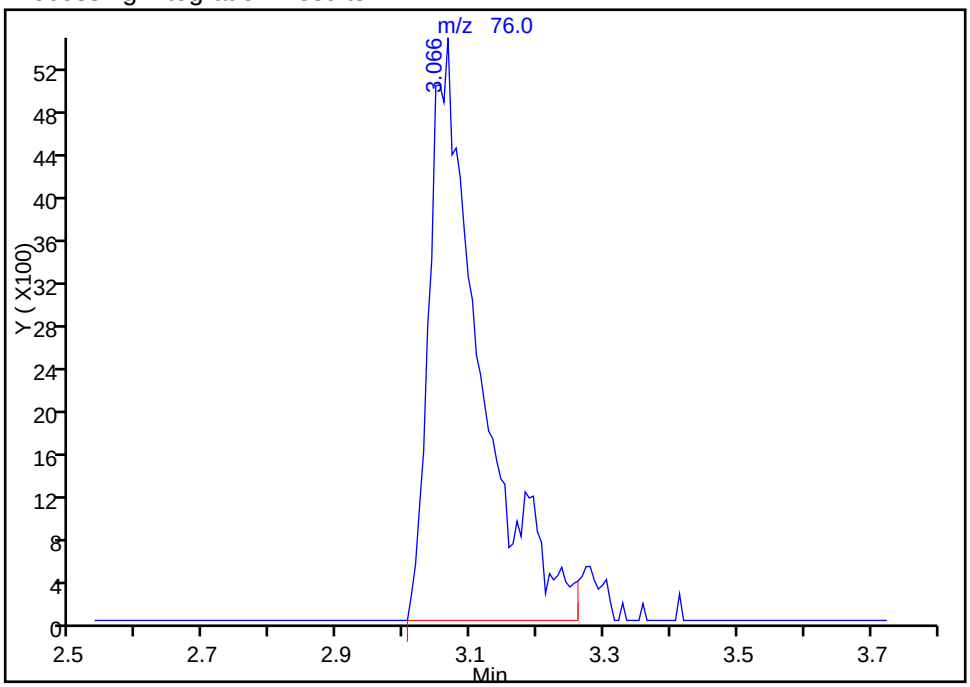
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34233.D
Injection Date: 24-Sep-2014 04:49:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 8 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

24 Carbon disulfide, CAS: 75-15-0

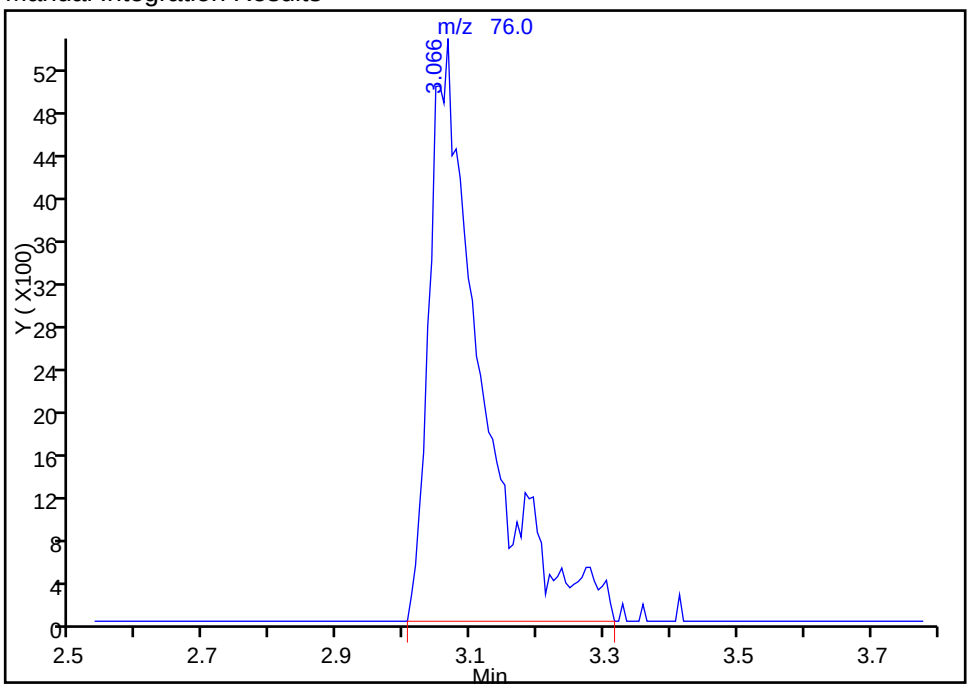
Processing Integration Results

RT: 3.07
Response: 28999
Amount: 0.903391



Manual Integration Results

RT: 3.07
Response: 30095
Amount: 0.907036



Reviewer: sobolr, 24-Sep-2014 09:59:36
Audit Action: Manually Integrated
Audit Reason: Split Peak

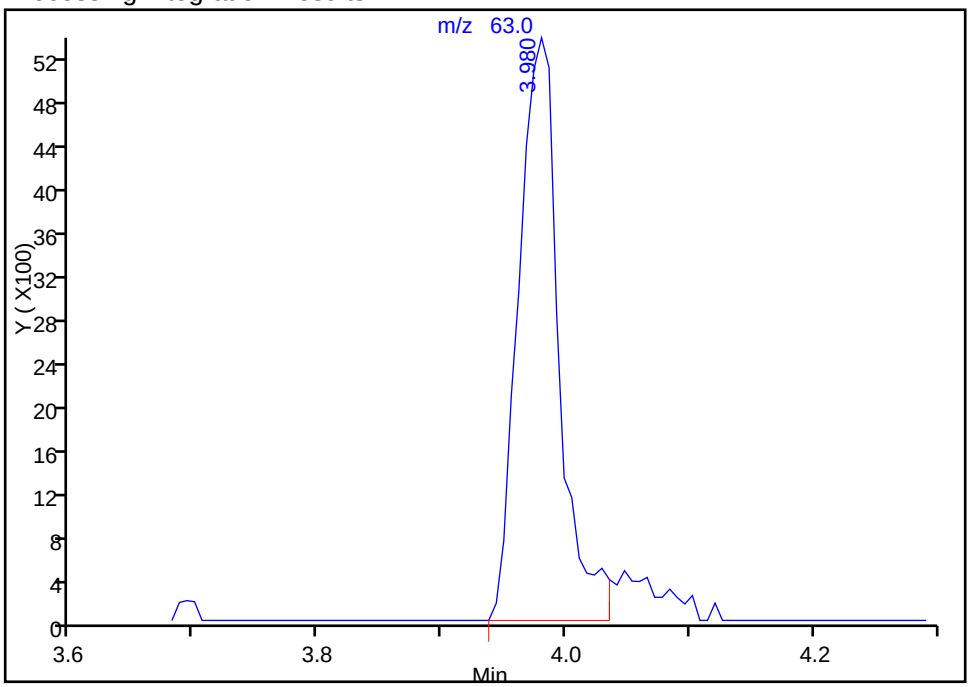
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34233.D
Injection Date: 24-Sep-2014 04:49:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 8 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

36 1,1-Dichloroethane, CAS: 75-34-3

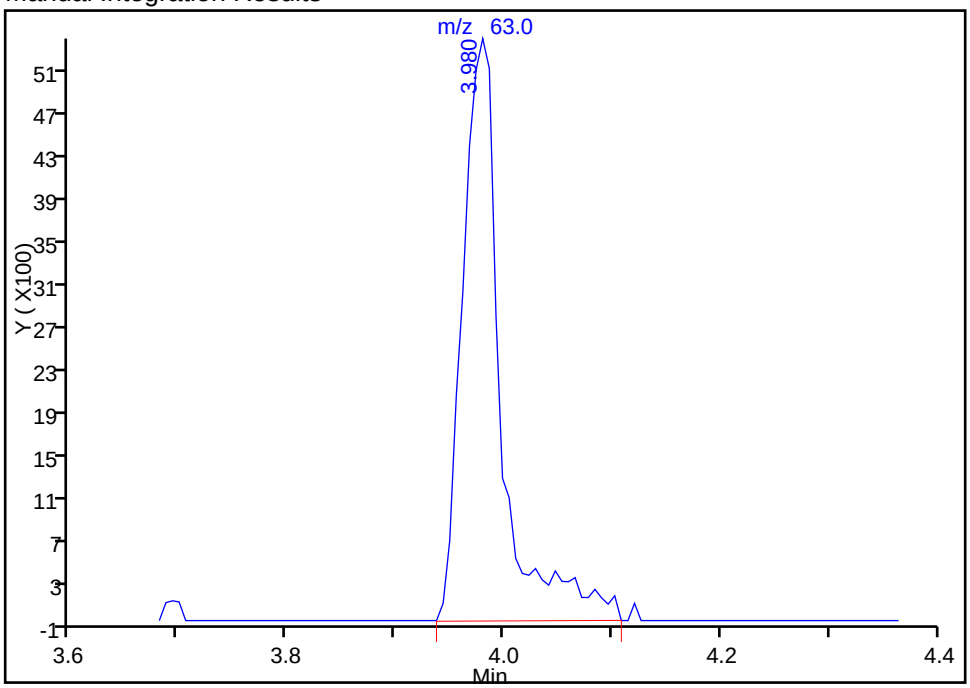
Processing Integration Results

RT: 3.98
Response: 12300
Amount: 0.929167



Manual Integration Results

RT: 3.98
Response: 13500
Amount: 0.917089



Reviewer: sobolr, 24-Sep-2014 10:22:31
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

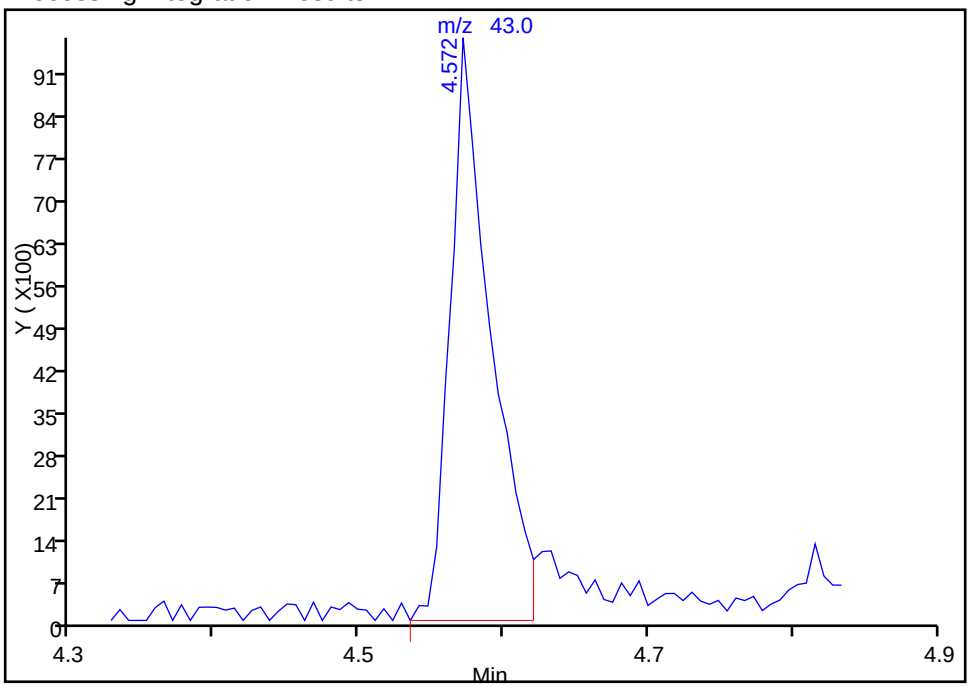
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34233.D
Injection Date: 24-Sep-2014 04:49:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 8 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

44 2-Butanone (MEK), CAS: 78-93-3

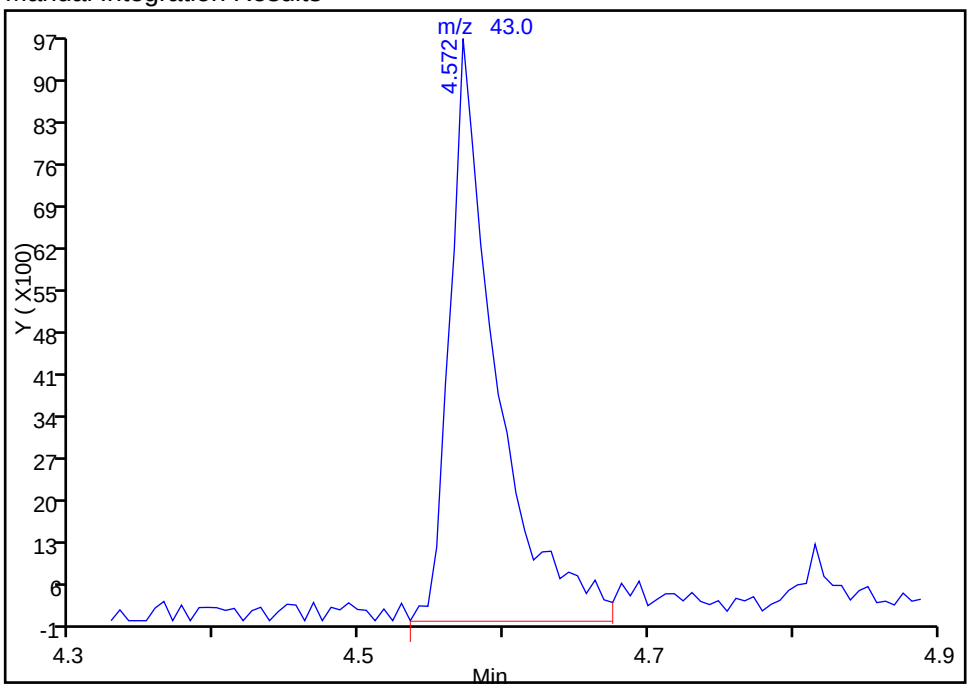
Processing Integration Results

RT: 4.57
Response: 19091
Amount: 4.004840



Manual Integration Results

RT: 4.57
Response: 21483
Amount: 4.432237



Reviewer: sobolr, 24-Sep-2014 09:59:36
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

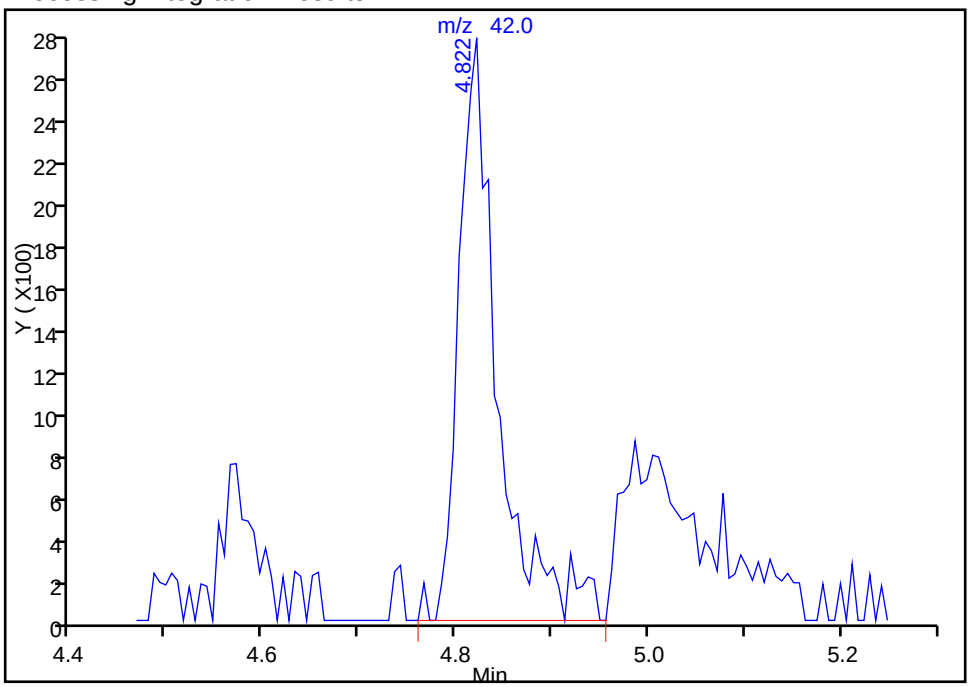
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34233.D
Injection Date: 24-Sep-2014 04:49:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 8 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

49 Tetrahydrofuran, CAS: 109-99-9

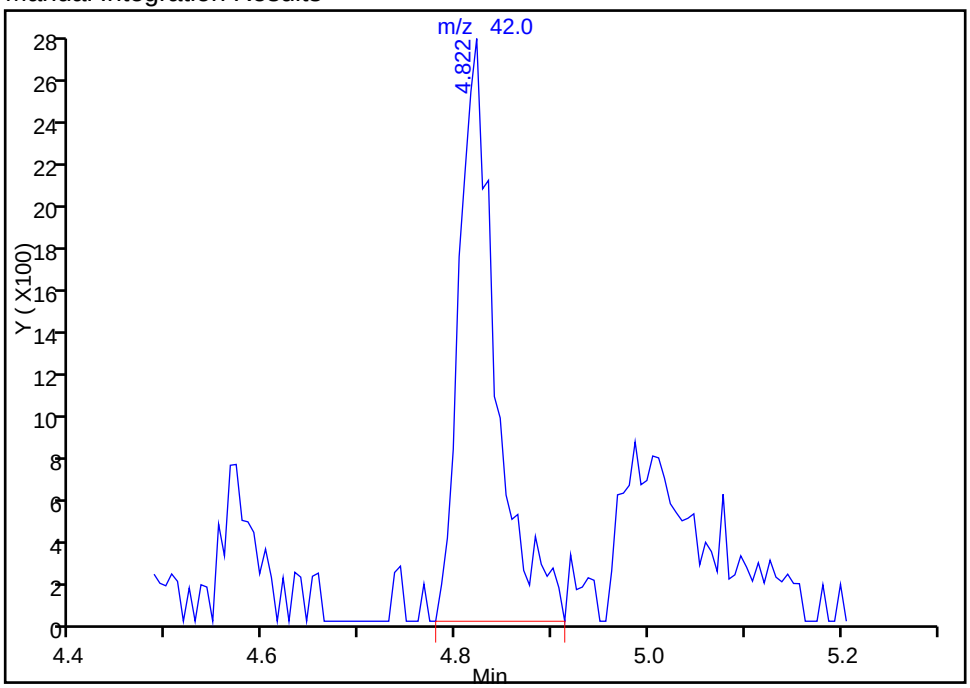
Processing Integration Results

RT: 4.82
Response: 7743
Amount: 2.273853



Manual Integration Results

RT: 4.82
Response: 7303
Amount: 2.167984



Reviewer: sobolr, 24-Sep-2014 09:59:36
Audit Action: Manually Integrated
Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

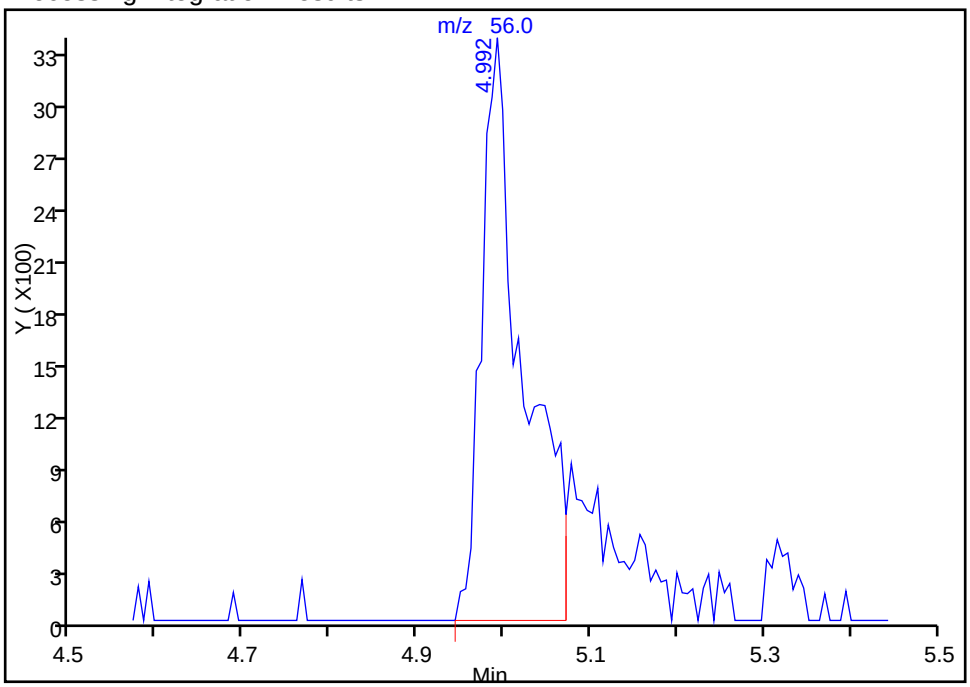
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34233.D
Injection Date: 24-Sep-2014 04:49:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 8 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

52 Cyclohexane, CAS: 110-82-7

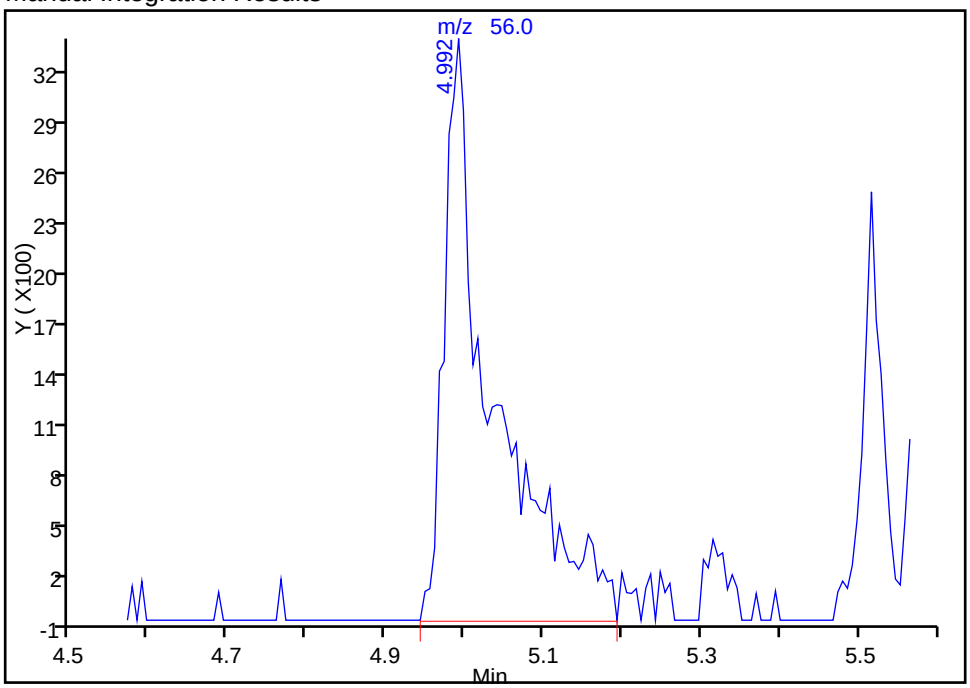
Processing Integration Results

RT: 4.99
Response: 11324
Amount: 1.221823



Manual Integration Results

RT: 4.99
Response: 14682
Amount: 0.922483



Reviewer: sobolr, 24-Sep-2014 09:59:36
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

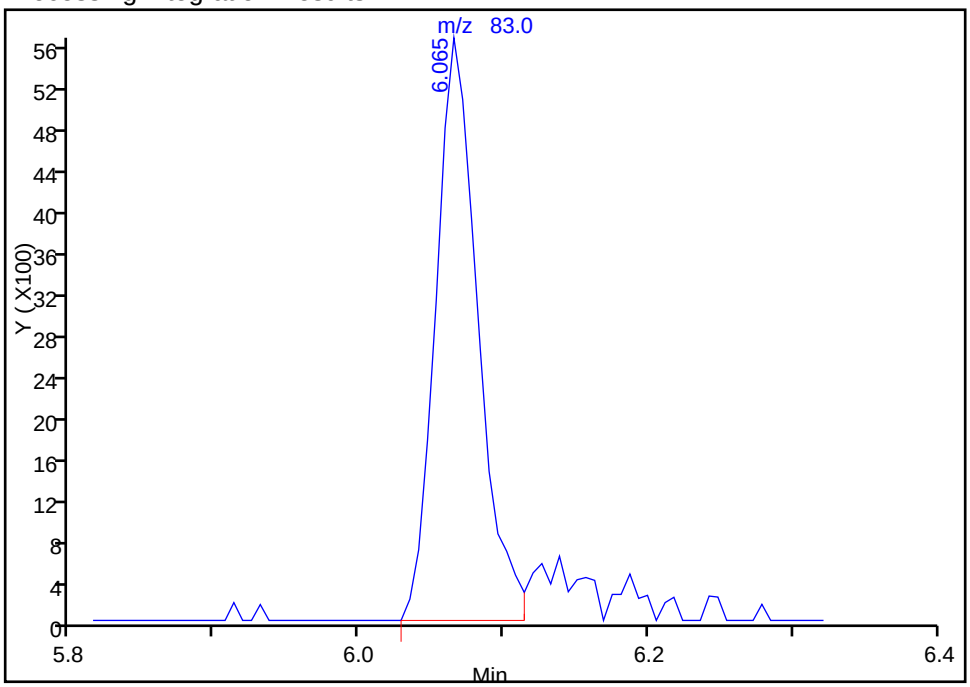
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34233.D
Injection Date: 24-Sep-2014 04:49:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 8 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

62 Methylcyclohexane, CAS: 108-87-2

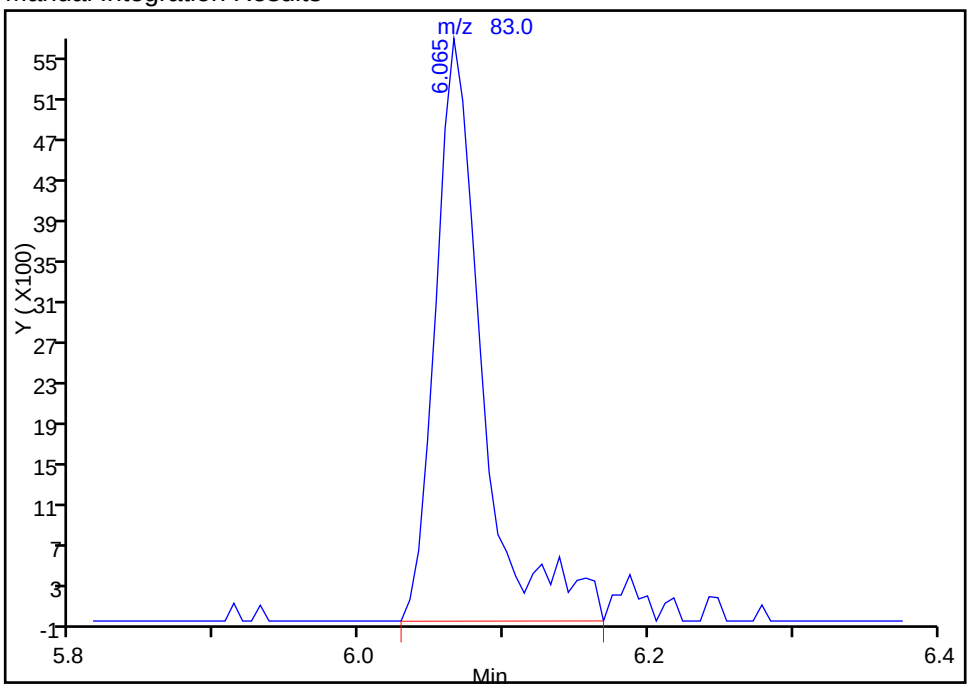
Processing Integration Results

RT: 6.07
Response: 11573
Amount: 0.831376



Manual Integration Results

RT: 6.07
Response: 12853
Amount: 0.909391



Reviewer: sobolr, 24-Sep-2014 10:30:14
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34234.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Sep-2014 05:11:30 ALS Bottle#: 9 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0035654-007480-0035654-007
Operator ID: gtg Instrument ID: HP5973G
Sublist: chrom-G-8260*sub20

Method: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2014 10:30:41 Calib Date: 24-Sep-2014 09:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34245.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: sobolr Date: 24-Sep-2014 10:19:19

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	5.584	5.584	0.000	98	160188	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.577	8.577	0.000	89	343993	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.955	10.948	0.007	97	289376	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.986	4.986	0.000	94	176380	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.297	5.297	0.000	0	138544	25.0	26.2	
$ 5 Toluene-d8 (Surr)	98	7.096	7.096	0.000	93	795152	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.821	9.821	0.000	83	217049	25.0	24.8	
10 Dichlorodifluoromethane	85	1.414	1.420	-0.006	99	66487	5.00	4.82	
12 Chloromethane	50	1.572	1.572	0.000	99	51429	5.00	4.93	
13 Vinyl chloride	62	1.688	1.682	0.006	98	56239	5.00	5.00	
144 Butadiene	54	1.713	1.719	-0.006	93	42695	5.00	4.72	
14 Bromomethane	94	1.987	1.987	0.000	92	14910	5.00	6.31	M
15 Chloroethane	64	2.127	2.139	-0.012	99	33362	5.00	5.05	
16 Dichlorofluoromethane	67	2.334	2.328	0.006	94	53455	5.00	4.15	
17 Trichlorofluoromethane	101	2.341	2.353	-0.012	75	66494	5.00	4.78	
18 Ethyl ether	59	2.609	2.609	0.000	90	34107	5.00	4.97	
19 Acrolein	56	2.767	2.773	-0.006	99	26470	25.0	24.8	
20 1,1-Dichloroethene	96	2.865	2.859	0.006	97	54415	5.00	4.98	
21 1,1,2-Trichloro-1,2,2-trif	101	2.877	2.877	0.000	51	40925	5.00	4.67	
22 Acetone	43	2.932	2.932	0.000	99	77597	25.0	24.3	
23 Iodomethane	142	3.036	3.035	0.001	99	56010	5.00	4.86	
24 Carbon disulfide	76	3.066	3.060	0.006	99	149287	5.00	4.63	
26 3-Chloro-1-propene	41	3.188	3.188	0.000	86	52227	5.00	4.90	
28 Methyl acetate	43	3.237	3.230	0.007	97	197033	25.0	24.8	
29 Methylene Chloride	84	3.383	3.377	0.006	90	54483	5.00	4.96	
30 2-Methyl-2-propanol	59	3.493	3.493	0.000	99	60970	50.0	45.3	
31 Methyl tert-butyl ether	73	3.560	3.560	0.000	95	137902	5.00	5.03	
32 trans-1,2-Dichloroethene	96	3.566	3.566	0.000	98	42902	5.00	4.94	
33 Acrylonitrile	53	3.590	3.590	0.000	99	178169	50.0	50.5	
34 Hexane	57	3.779	3.779	0.000	93	59351	5.00	5.10	

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	3.974	3.974	0.000	97	71100	5.00	4.97	M
38 Vinyl acetate	43	4.029	4.029	0.000	97	101677	10.0	9.44	
42 2,2-Dichloropropane	77	4.505	4.498	0.007	89	26690	5.00	5.18	
43 cis-1,2-Dichloroethene	96	4.529	4.529	0.000	82	41350	5.00	5.07	
44 2-Butanone (MEK)	43	4.560	4.559	0.001	99	111873	25.0	23.7	
48 Chlorobromomethane	128	4.761	4.761	0.000	97	19544	5.00	5.04	
49 Tetrahydrofuran	42	4.803	4.803	0.000	86	31197	10.0	9.53	
50 Chloroform	85	4.834	4.834	0.000	95	45094	5.00	4.97	
51 1,1,1-Trichloroethane	97	4.968	4.962	0.006	97	42720	5.00	4.90	
52 Cyclohexane	56	4.986	4.986	0.000	47	77438	5.00	5.01	M
53 Carbon tetrachloride	117	5.108	5.108	0.000	95	42841	5.00	4.68	
54 1,1-Dichloropropene	75	5.120	5.114	0.006	95	52327	5.00	4.91	
55 Isobutyl alcohol	43	5.309	5.309	0.000	92	57882	125.0	115.2	
56 Benzene	78	5.316	5.315	0.001	95	165047	5.00	5.13	
57 1,2-Dichloroethane	62	5.370	5.370	0.000	99	62412	5.00	5.03	
59 n-Heptane	43	5.517	5.517	0.000	89	59409	5.00	5.13	
61 Trichloroethene	95	5.931	5.925	0.006	96	40422	5.00	5.08	
62 Methylcyclohexane	83	6.065	6.065	0.000	90	70776	5.00	5.03	M
63 1,2-Dichloropropane	63	6.157	6.157	0.000	89	37875	5.00	4.87	
65 Dibromomethane	93	6.291	6.291	0.000	93	23266	5.00	4.80	
66 1,4-Dioxane	88	6.321	6.309	0.012	98	10979	100.0	94.3	
67 Dichlorobromomethane	83	6.443	6.443	0.000	99	44725	5.00	4.60	
70 2-Chloroethyl vinyl ether	63	6.718	6.718	0.000	94	27415	5.00	4.77	
72 cis-1,3-Dichloropropene	75	6.864	6.864	0.000	94	58959	5.00	4.68	
73 4-Methyl-2-pentanone (MIBK	43	7.004	7.004	0.000	96	231942	25.0	24.1	
74 Toluene	92	7.163	7.163	0.000	98	101762	5.00	4.88	
76 trans-1,3-Dichloropropene	75	7.425	7.425	0.000	96	49718	5.00	4.28	
78 Ethyl methacrylate	69	7.480	7.480	0.000	90	53793	5.00	4.43	
79 1,1,2-Trichloroethane	83	7.614	7.608	0.006	94	29240	5.00	4.76	
80 Tetrachloroethene	166	7.705	7.705	0.000	92	38342	5.00	4.81	
81 1,3-Dichloropropane	76	7.772	7.772	0.000	92	68290	5.00	4.84	
82 2-Hexanone	43	7.846	7.839	0.007	96	161512	25.0	23.7	
83 Chlorodibromomethane	129	8.016	8.010	0.006	90	26663	5.00	4.16	
84 Ethylene Dibromide	107	8.126	8.120	0.006	99	34308	5.00	4.56	
86 Chlorobenzene	112	8.608	8.607	0.001	94	107948	5.00	4.86	
88 1,1,1,2-Tetrachloroethane	131	8.699	8.699	0.000	88	29446	5.00	4.38	
89 Ethylbenzene	91	8.705	8.705	0.000	99	194137	5.00	4.91	
90 m-Xylene & p-Xylene	106	8.827	8.827	0.000	0	75551	5.00	4.82	
91 o-Xylene	106	9.254	9.254	0.000	97	74575	5.00	4.95	
92 Styrene	104	9.278	9.278	0.000	95	123013	5.00	4.77	
93 Bromoform	173	9.516	9.516	0.000	92	13919	5.00	6.29	
95 Isopropylbenzene	105	9.638	9.638	0.000	96	195056	5.00	4.95	
97 Bromobenzene	156	9.973	9.973	0.000	97	43058	5.00	4.82	
98 1,1,2,2-Tetrachloroethane	83	10.004	10.004	0.000	96	47295	5.00	4.70	
99 1,2,3-Trichloropropane	110	10.040	10.040	0.000	87	16754	5.00	4.73	
100 trans-1,4-Dichloro-2-buten	53	10.052	10.052	0.000	71	14360	5.00	4.36	
101 N-Propylbenzene	91	10.059	10.058	0.001	99	227580	5.00	4.99	
102 2-Chlorotoluene	126	10.156	10.156	0.000	95	43413	5.00	4.87	
104 1,3,5-Trimethylbenzene	105	10.235	10.235	0.000	94	163265	5.00	4.85	
105 4-Chlorotoluene	126	10.266	10.266	0.000	98	44638	5.00	4.77	
106 tert-Butylbenzene	134	10.546	10.546	0.000	92	35461	5.00	4.95	
107 1,2,4-Trimethylbenzene	105	10.601	10.601	0.000	97	171067	5.00	4.92	

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	10.760	10.759	0.001	95	210262	5.00	4.93	
110 1,3-Dichlorobenzene	146	10.888	10.887	0.001	96	86816	5.00	4.91	
111 4-Isopropyltoluene	119	10.894	10.894	0.000	97	177529	5.00	4.95	
113 1,4-Dichlorobenzene	146	10.973	10.973	0.000	95	88146	5.00	4.83	
115 n-Butylbenzene	91	11.278	11.278	0.000	98	162547	5.00	4.86	
116 1,2-Dichlorobenzene	146	11.320	11.320	0.000	94	84983	5.00	4.83	
117 1,2-Dibromo-3-Chloropropan	75	12.040	12.040	0.000	73	7328	5.00	3.93	
119 1,2,4-Trichlorobenzene	180	12.729	12.729	0.000	93	60424	5.00	4.72	
120 Hexachlorobutadiene	225	12.845	12.851	-0.005	97	27590	5.00	4.83	
121 Naphthalene	128	12.936	12.936	0.000	97	135059	5.00	4.47	
122 1,2,3-Trichlorobenzene	180	13.143	13.143	0.000	95	51968	5.00	4.63	
S 123 Total BTEX	1				0			24.7	
S 124 Xylenes, Total	1				0			9.77	
S 125 1,2-Dichloroethene, Total	1				0			10.0	
S 126 1,3-Dichloropropene, Total	1				0			8.97	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00048	Amount Added:	5.00	Units: uL	
8260 CORP mix_00022	Amount Added:	5.00	Units: uL	
G_8260_IS_00065	Amount Added:	1.00	Units: uL	Run Reagent
G_8260_Surr_00081	Amount Added:	1.00	Units: uL	Run Reagent

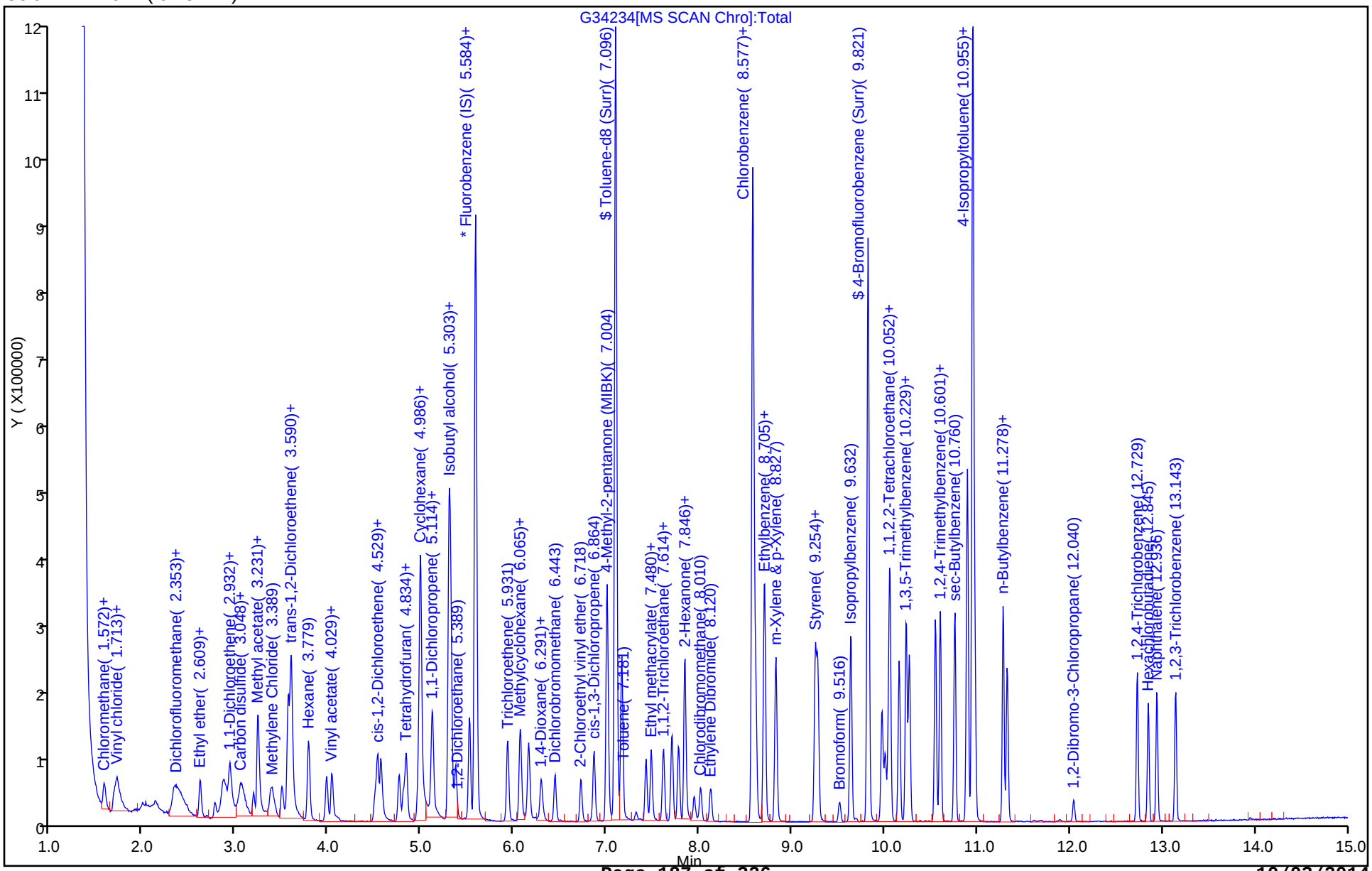
Report Date: 24-Sep-2014 10:30:42 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34234.D

Injection Date:	24-Sep-2014 05:11:30	Instrument ID:	HP5973G	Operator ID:	gtg
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	G-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

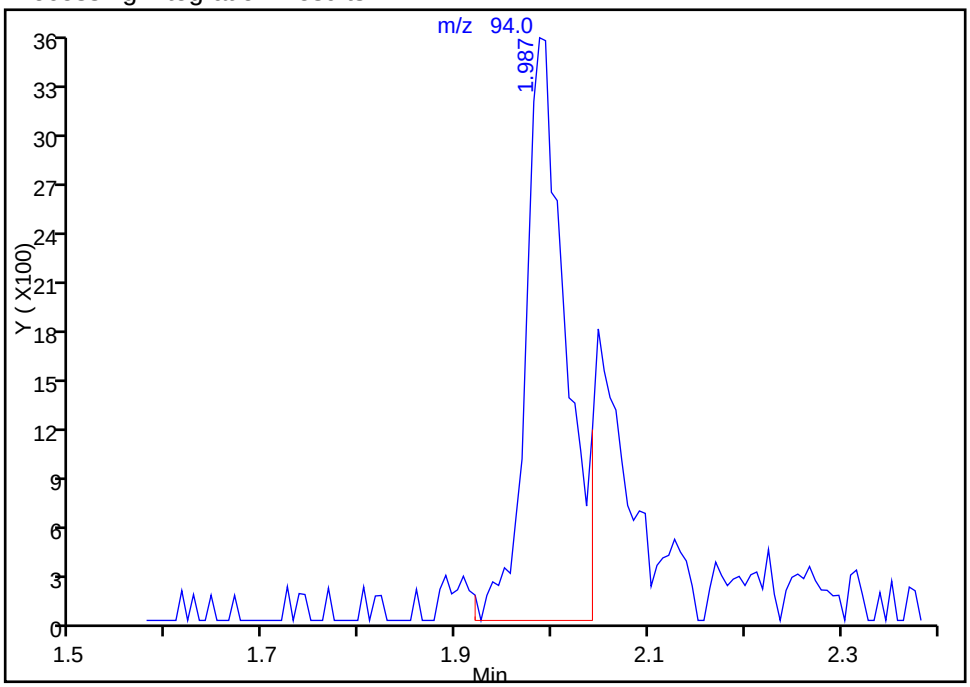
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34234.D
Injection Date: 24-Sep-2014 05:11:30 Instrument ID: HP5973G
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 9 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

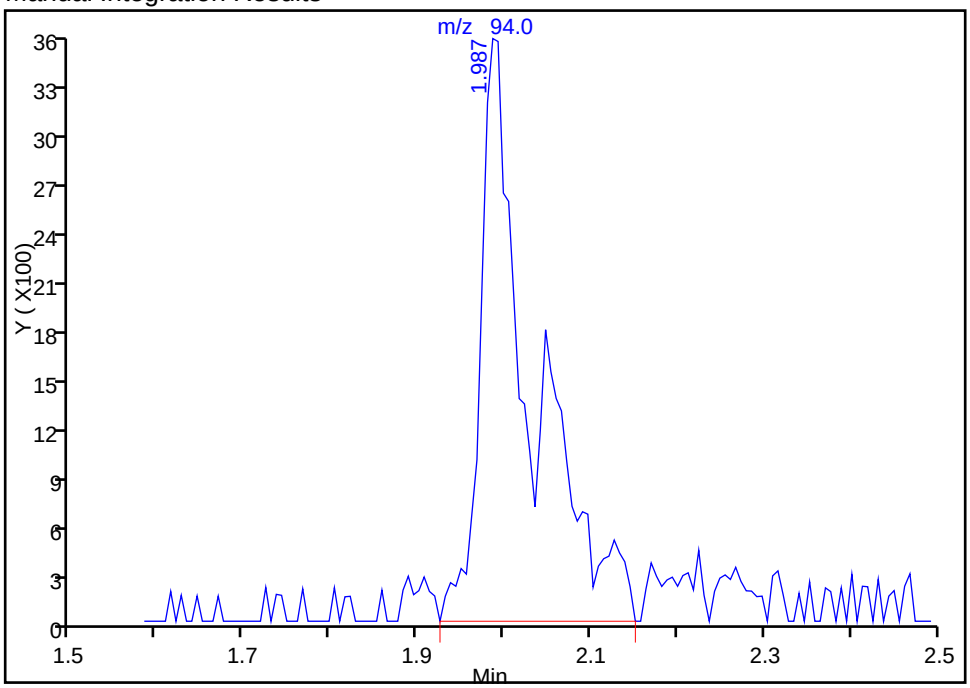
Processing Integration Results

RT: 1.99
Response: 10389
Amount: 3.400561



Manual Integration Results

RT: 1.99
Response: 14910
Amount: 6.310684



Reviewer: sobolr, 24-Sep-2014 10:05:49
Audit Action: Manually Integrated
Audit Reason: Split Peak

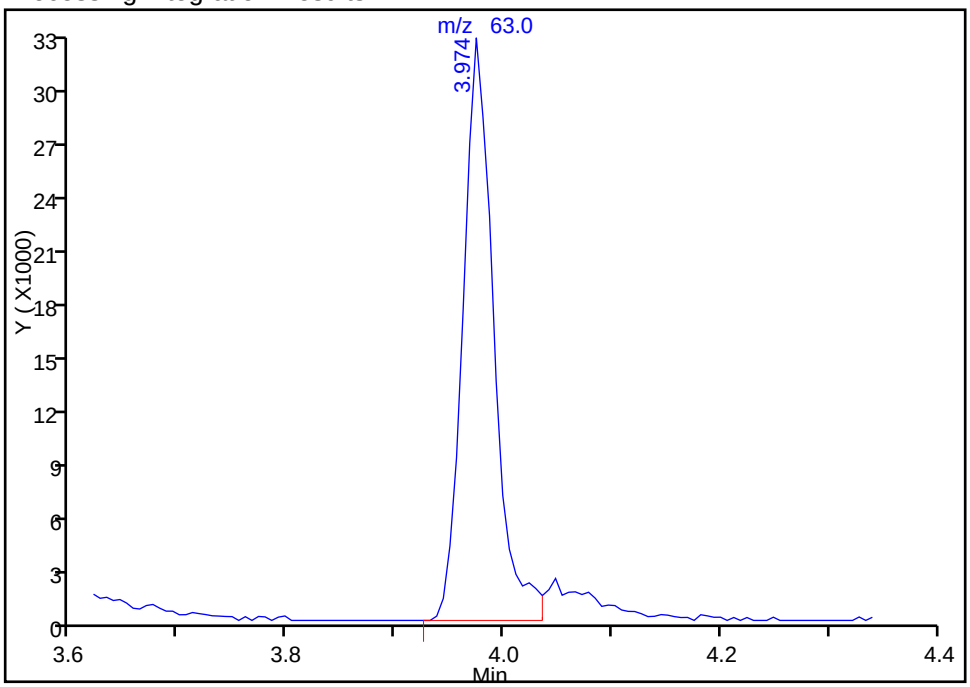
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34234.D
Injection Date: 24-Sep-2014 05:11:30 Instrument ID: HP5973G
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 9 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

36 1,1-Dichloroethane, CAS: 75-34-3

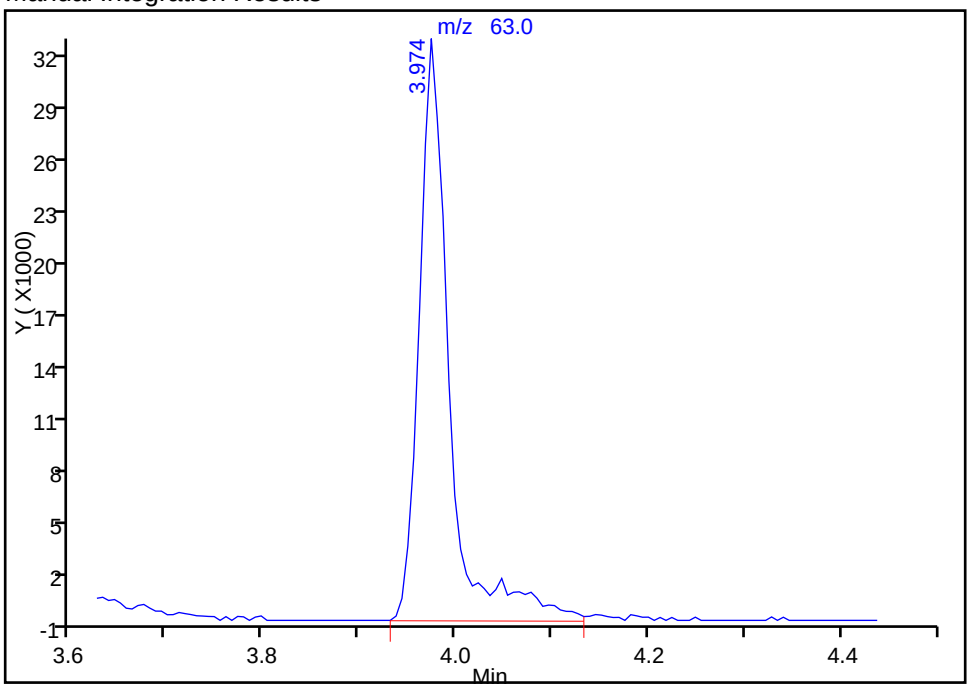
Processing Integration Results

RT: 3.97
Response: 64270
Amount: 5.085153



Manual Integration Results

RT: 3.97
Response: 71100
Amount: 4.969365



Reviewer: sobolr, 24-Sep-2014 10:22:18
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

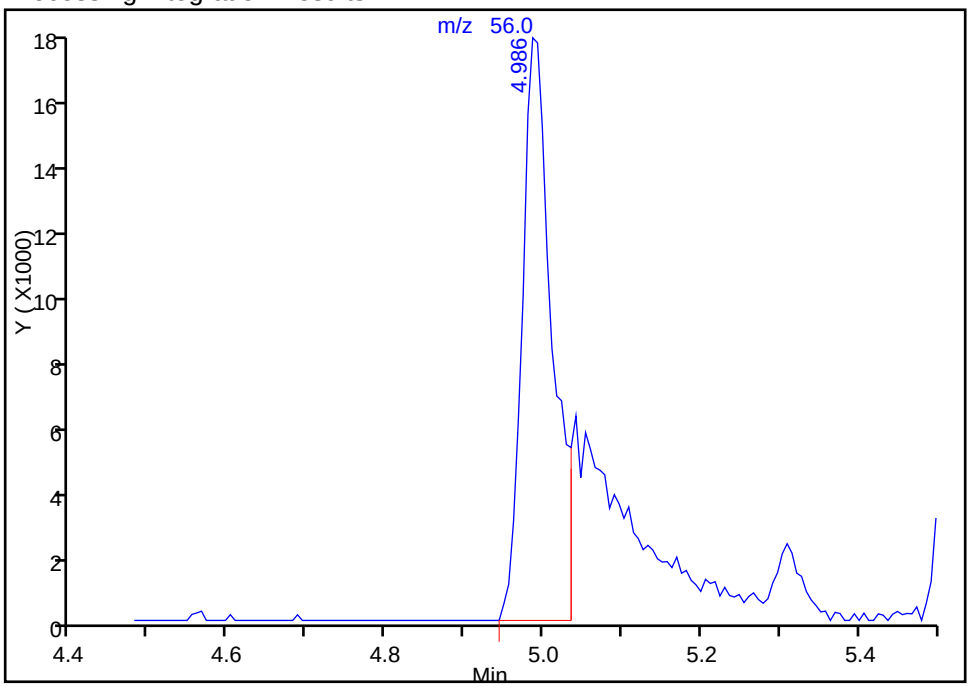
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34234.D
Injection Date: 24-Sep-2014 05:11:30 Instrument ID: HP5973G
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 9 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

52 Cyclohexane, CAS: 110-82-7

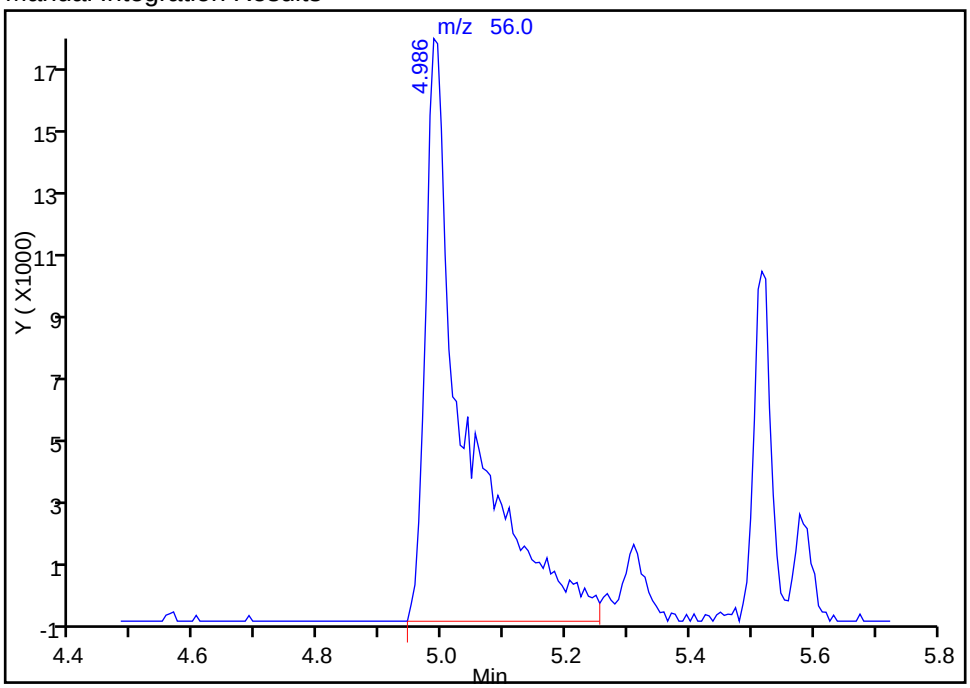
Processing Integration Results

RT: 4.99
Response: 46244
Amount: 3.204803



Manual Integration Results

RT: 4.99
Response: 77438
Amount: 5.005885



Reviewer: sobolr, 24-Sep-2014 10:18:23
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

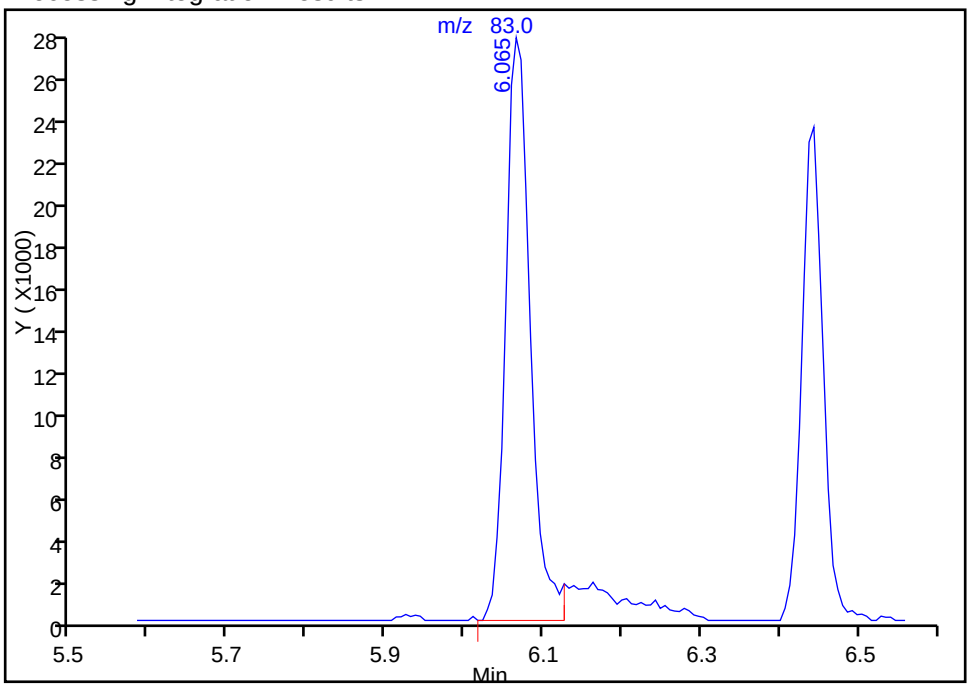
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34234.D
Injection Date: 24-Sep-2014 05:11:30 Instrument ID: HP5973G
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 9 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

62 Methylcyclohexane, CAS: 108-87-2

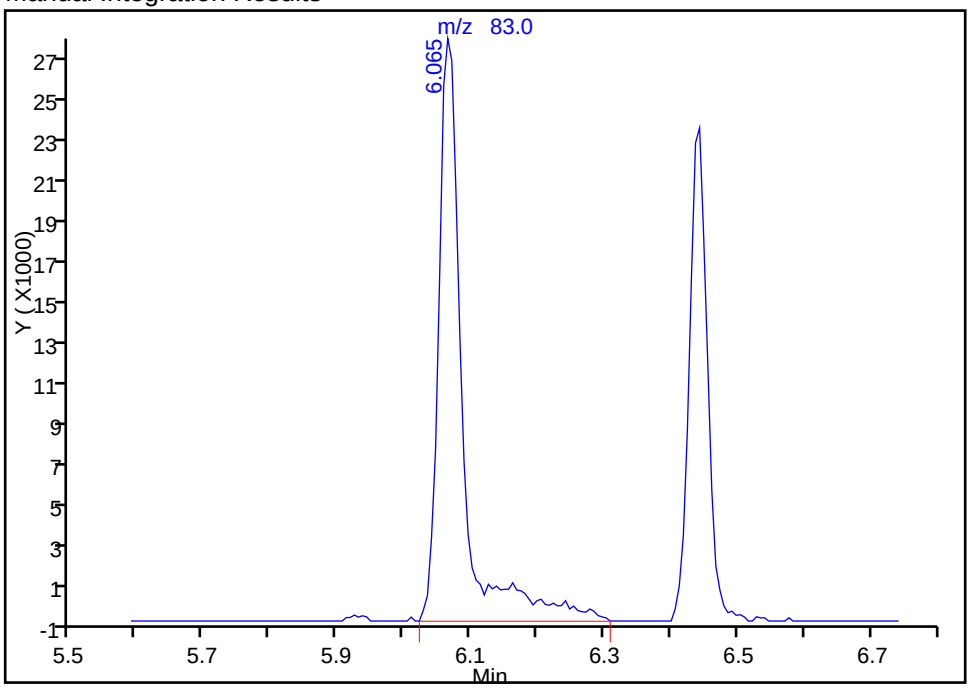
Processing Integration Results

RT: 6.07
Response: 60777
Amount: 4.424245



Manual Integration Results

RT: 6.07
Response: 70776
Amount: 5.030077



Reviewer: sobolr, 24-Sep-2014 10:30:41
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34235.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 24-Sep-2014 05:34:30 ALS Bottle#: 10 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0035654-008480-0035654-008
Operator ID: gtg Instrument ID: HP5973G
Sublist: chrom-G-8260*sub20

Method: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2014 10:31:37 Calib Date: 24-Sep-2014 09:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34245.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: sobolr Date: 24-Sep-2014 10:24:09

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	5.584	5.584	0.000	98	160150	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.577	8.577	0.000	89	336652	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.948	10.948	0.000	97	275988	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.986	4.986	0.000	94	172215	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.297	5.297	0.000	0	131816	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	7.096	7.096	0.000	93	784431	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.821	9.821	0.000	83	210349	25.0	24.6	
10 Dichlorodifluoromethane	85	1.420	1.420	0.000	99	140109	10.0	10.2	
12 Chloromethane	50	1.572	1.572	0.000	99	102712	10.0	9.85	
13 Vinyl chloride	62	1.682	1.682	0.000	98	113746	10.0	10.1	
144 Butadiene	54	1.719	1.719	0.000	92	97761	10.0	10.8	
14 Bromomethane	94	1.987	1.987	0.000	92	25451	10.0	9.27	M
15 Chloroethane	64	2.139	2.139	0.000	99	66215	10.0	10.0	
16 Dichlorofluoromethane	67	2.328	2.328	0.000	97	128862	10.0	10.0	
17 Trichlorofluoromethane	101	2.353	2.353	0.000	96	141550	10.0	10.2	
18 Ethyl ether	59	2.609	2.609	0.000	90	70312	10.0	10.3	
19 Acrolein	56	2.773	2.773	0.000	99	52311	50.0	49.0	
20 1,1-Dichloroethene	96	2.859	2.859	0.000	97	113072	10.0	10.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.877	2.877	0.000	52	94265	10.0	10.8	
22 Acetone	43	2.932	2.932	0.000	99	162997	50.0	51.0	
23 Iodomethane	142	3.035	3.035	0.000	99	123310	10.0	10.7	
24 Carbon disulfide	76	3.060	3.060	0.000	100	333952	10.0	10.4	
26 3-Chloro-1-propene	41	3.188	3.188	0.000	87	111198	10.0	10.4	
28 Methyl acetate	43	3.230	3.230	0.000	97	412060	50.0	51.8	
29 Methylene Chloride	84	3.377	3.377	0.000	96	110739	10.0	10.1	
30 2-Methyl-2-propanol	59	3.493	3.493	0.000	99	141377	100.0	105.0	
31 Methyl tert-butyl ether	73	3.560	3.560	0.000	96	281714	10.0	10.3	
32 trans-1,2-Dichloroethene	96	3.566	3.566	0.000	98	90491	10.0	10.4	
33 Acrylonitrile	53	3.590	3.590	0.000	99	381476	100.0	108.2	
34 Hexane	57	3.779	3.779	0.000	93	116495	10.0	10.0	

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	3.974	3.974	0.000	97	148327	10.0	10.4	M
38 Vinyl acetate	43	4.029	4.029	0.000	97	215715	20.0	20.0	
42 2,2-Dichloropropane	77	4.498	4.498	0.000	91	53885	10.0	10.5	
43 cis-1,2-Dichloroethene	96	4.529	4.529	0.000	83	84015	10.0	10.3	
44 2-Butanone (MEK)	43	4.559	4.559	0.000	100	246243	50.0	52.3	
48 Chlorobromomethane	128	4.761	4.761	0.000	97	39151	10.0	10.1	
49 Tetrahydrofuran	42	4.803	4.803	0.000	95	63399	20.0	19.4	
50 Chloroform	85	4.834	4.834	0.000	94	92679	10.0	10.2	
51 1,1,1-Trichloroethane	97	4.962	4.962	0.000	98	91714	10.0	10.5	
52 Cyclohexane	56	4.986	4.986	0.000	58	159670	10.0	10.3	
53 Carbon tetrachloride	117	5.108	5.108	0.000	98	92674	10.0	10.1	
54 1,1-Dichloropropene	75	5.114	5.114	0.000	96	110377	10.0	10.4	
55 Isobutyl alcohol	43	5.309	5.309	0.000	95	132815	250.0	264.3	
56 Benzene	78	5.315	5.315	0.000	97	333259	10.0	10.4	
57 1,2-Dichloroethane	62	5.370	5.370	0.000	98	126130	10.0	10.2	
59 n-Heptane	43	5.517	5.517	0.000	90	118710	10.0	10.2	
61 Trichloroethene	95	5.925	5.925	0.000	97	83709	10.0	10.5	
62 Methylcyclohexane	83	6.065	6.065	0.000	90	149378	10.0	10.6	M
63 1,2-Dichloropropane	63	6.157	6.157	0.000	91	80181	10.0	10.3	
65 Dibromomethane	93	6.291	6.291	0.000	94	49217	10.0	10.2	
66 1,4-Dioxane	88	6.309	6.309	0.000	94	25158	200.0	220.9	M
67 Dichlorobromomethane	83	6.443	6.443	0.000	99	94745	10.0	9.76	
70 2-Chloroethyl vinyl ether	63	6.718	6.718	0.000	94	58832	10.0	10.2	
72 cis-1,3-Dichloropropene	75	6.864	6.864	0.000	93	128393	10.0	10.2	
73 4-Methyl-2-pentanone (MIBK	43	7.004	7.004	0.000	96	488205	50.0	51.9	
74 Toluene	92	7.163	7.163	0.000	98	209823	10.0	10.3	
76 trans-1,3-Dichloropropene	75	7.425	7.425	0.000	95	115375	10.0	10.2	
78 Ethyl methacrylate	69	7.480	7.480	0.000	89	118445	10.0	9.97	
79 1,1,2-Trichloroethane	83	7.608	7.608	0.000	93	62370	10.0	10.4	
80 Tetrachloroethene	166	7.705	7.705	0.000	95	79770	10.0	10.2	
81 1,3-Dichloropropane	76	7.772	7.772	0.000	92	143446	10.0	10.4	
82 2-Hexanone	43	7.839	7.839	0.000	96	345827	50.0	51.8	
83 Chlorodibromomethane	129	8.010	8.010	0.000	90	59091	10.0	8.41	
84 Ethylene Dibromide	107	8.120	8.120	0.000	99	75708	10.0	10.3	
86 Chlorobenzene	112	8.607	8.607	0.000	92	224070	10.0	10.3	
88 1,1,1,2-Tetrachloroethane	131	8.699	8.699	0.000	87	65489	10.0	9.96	
89 Ethylbenzene	91	8.705	8.705	0.000	98	397152	10.0	10.3	
90 m-Xylene & p-Xylene	106	8.827	8.827	0.000	0	156311	10.0	10.2	
91 o-Xylene	106	9.254	9.254	0.000	97	150819	10.0	10.2	
92 Styrene	104	9.278	9.278	0.000	95	258518	10.0	10.2	
93 Bromoform	173	9.516	9.516	0.000	94	31581	10.0	9.76	
95 Isopropylbenzene	105	9.638	9.638	0.000	96	401120	10.0	10.7	
97 Bromobenzene	156	9.973	9.973	0.000	97	89303	10.0	10.5	
98 1,1,2,2-Tetrachloroethane	83	10.004	10.004	0.000	95	99556	10.0	10.4	
99 1,2,3-Trichloropropane	110	10.040	10.040	0.000	88	35637	10.0	10.5	
100 trans-1,4-Dichloro-2-buten	53	10.052	10.052	0.000	72	31900	10.0	10.2	
101 N-Propylbenzene	91	10.058	10.058	0.000	99	469171	10.0	10.8	
102 2-Chlorotoluene	126	10.156	10.156	0.000	95	88213	10.0	10.4	
104 1,3,5-Trimethylbenzene	105	10.235	10.235	0.000	93	341458	10.0	10.6	
105 4-Chlorotoluene	126	10.266	10.266	0.000	98	93698	10.0	10.5	
106 tert-Butylbenzene	134	10.546	10.546	0.000	93	72111	10.0	10.5	
107 1,2,4-Trimethylbenzene	105	10.601	10.601	0.000	98	352925	10.0	10.6	

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	10.759	10.759	0.000	95	435877	10.0	10.7	
110 1,3-Dichlorobenzene	146	10.887	10.887	0.000	96	177658	10.0	10.5	
111 4-Isopropyltoluene	119	10.894	10.894	0.000	97	369015	10.0	10.8	
113 1,4-Dichlorobenzene	146	10.973	10.973	0.000	93	180834	10.0	10.4	
115 n-Butylbenzene	91	11.278	11.278	0.000	98	337358	10.0	10.6	
116 1,2-Dichlorobenzene	146	11.320	11.320	0.000	95	177849	10.0	10.6	
117 1,2-Dibromo-3-Chloropropan	75	12.040	12.040	0.000	83	16966	10.0	9.55	
119 1,2,4-Trichlorobenzene	180	12.729	12.729	0.000	94	124542	10.0	10.2	
120 Hexachlorobutadiene	225	12.851	12.851	0.000	96	56380	10.0	10.4	
121 Naphthalene	128	12.936	12.936	0.000	98	300845	10.0	10.5	
122 1,2,3-Trichlorobenzene	180	13.143	13.143	0.000	94	110743	10.0	10.3	
S 125 1,2-Dichloroethene, Total	1				0			20.7	
S 126 1,3-Dichloropropene, Total	1				0			20.4	
S 123 Total BTEX	1				0			51.3	
S 124 Xylenes, Total	1				0			20.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00048	Amount Added:	5.00	Units: uL	
8260 CORP mix_00022	Amount Added:	5.00	Units: uL	
G_8260_IS_00065	Amount Added:	1.00	Units: uL	Run Reagent
G_8260_Surr_00081	Amount Added:	1.00	Units: uL	Run Reagent

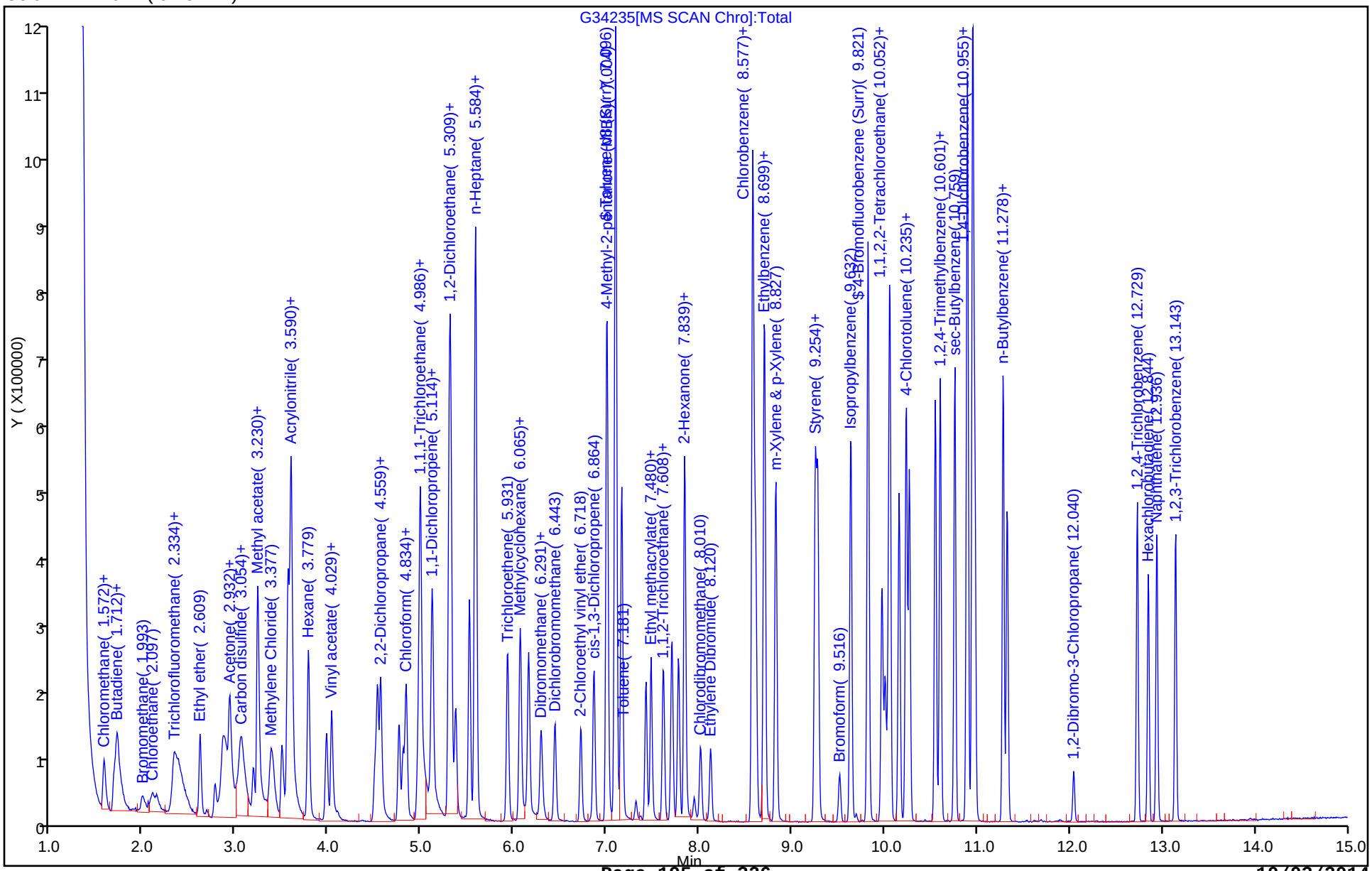
Report Date: 24-Sep-2014 10:31:38 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34235.D

Injection Date:	24-Sep-2014 05:34:30	Instrument ID:	HP5973G	Operator ID:	gtg
Lims ID:	IC 3			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	G-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

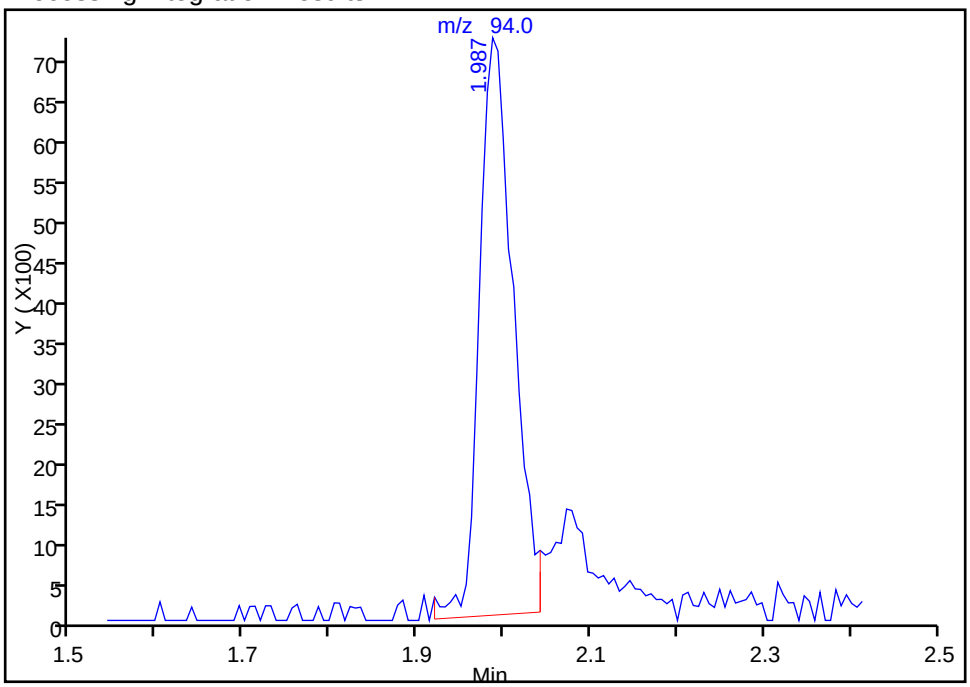
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34235.D
Injection Date: 24-Sep-2014 05:34:30 Instrument ID: HP5973G
Lims ID: IC 3
Client ID:
Operator ID: gtg ALS Bottle#: 10 Worklist Smp#: 8
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

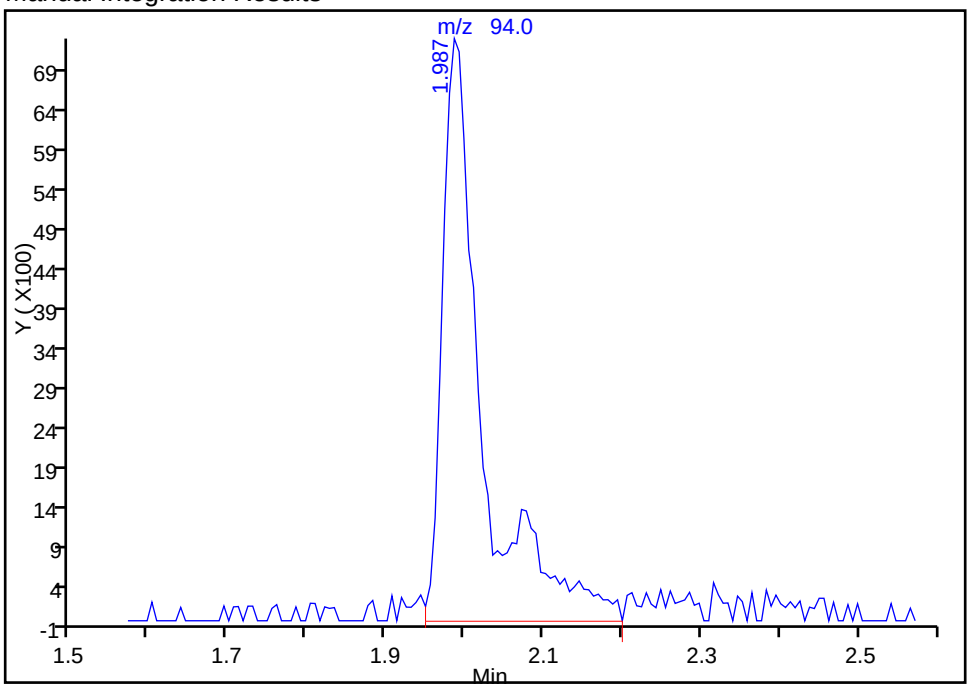
Processing Integration Results

RT: 1.99
Response: 19644
Amount: 6.129127



Manual Integration Results

RT: 1.99
Response: 25451
Amount: 9.273004



Reviewer: sobolr, 24-Sep-2014 10:06:17
Audit Action: Manually Integrated
Audit Reason: Split Peak

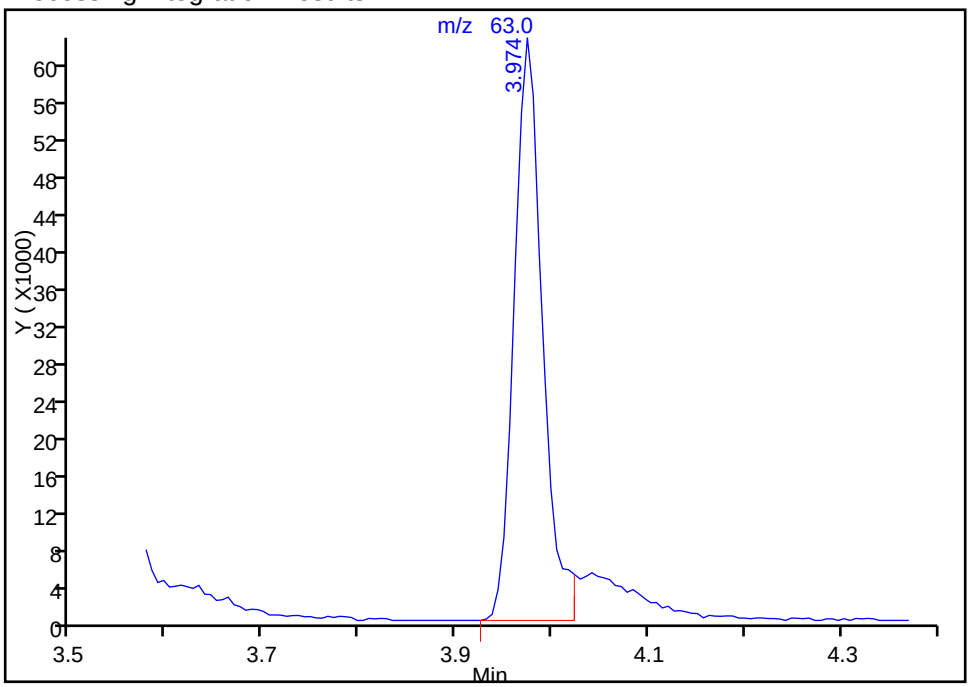
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34235.D
Injection Date: 24-Sep-2014 05:34:30 Instrument ID: HP5973G
Lims ID: IC 3
Client ID:
Operator ID: gtg ALS Bottle#: 10 Worklist Smp#: 8
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

36 1,1-Dichloroethane, CAS: 75-34-3

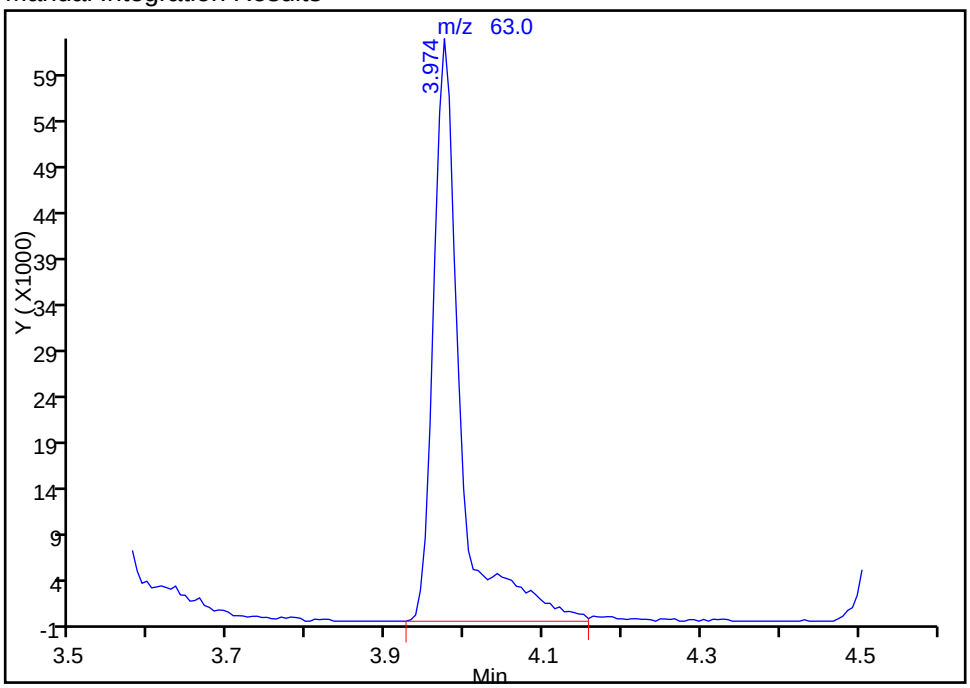
Processing Integration Results

RT: 3.97
Response: 127051
Amount: 10.345199



Manual Integration Results

RT: 3.97
Response: 148327
Amount: 10.369421



Reviewer: sobolr, 24-Sep-2014 10:21:56
Audit Action: Manually Integrated
Audit Reason: Split Peak

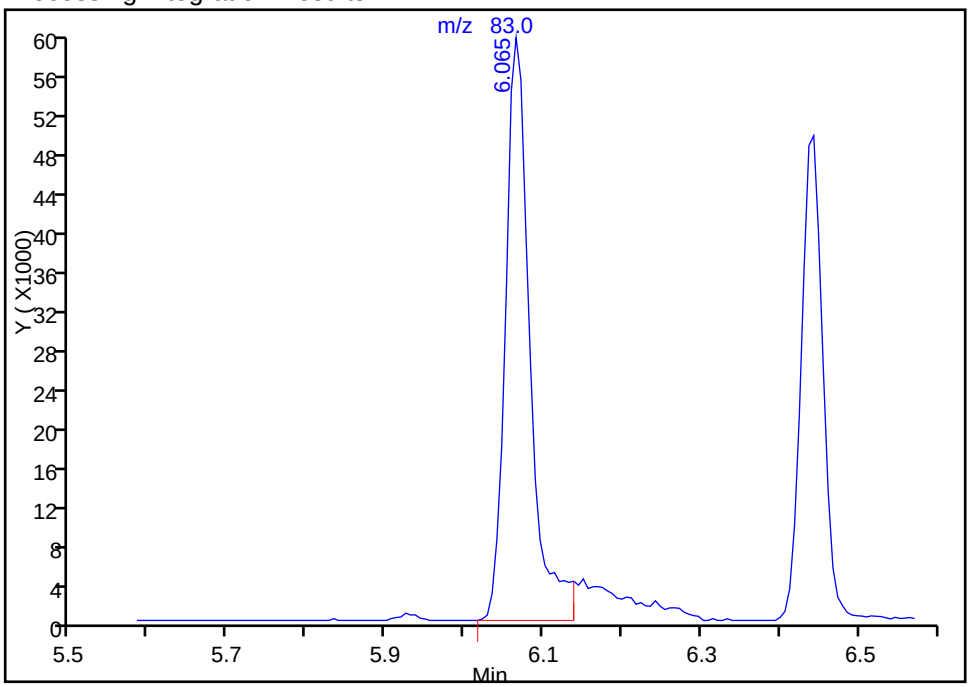
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34235.D
Injection Date: 24-Sep-2014 05:34:30 Instrument ID: HP5973G
Lims ID: IC 3
Client ID:
Operator ID: gtg ALS Bottle#: 10 Worklist Smp#: 8
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

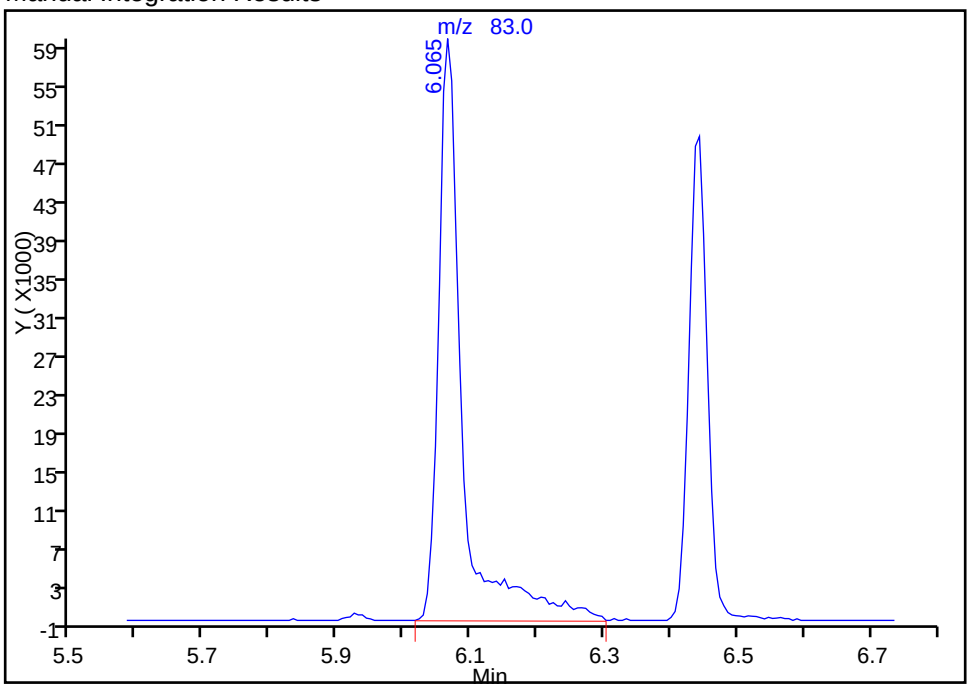
Processing Integration Results

RT: 6.07
Response: 128766
Amount: 9.767456



Manual Integration Results

RT: 6.07
Response: 149378
Amount: 10.618869



Reviewer: sobolr, 24-Sep-2014 10:29:46
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

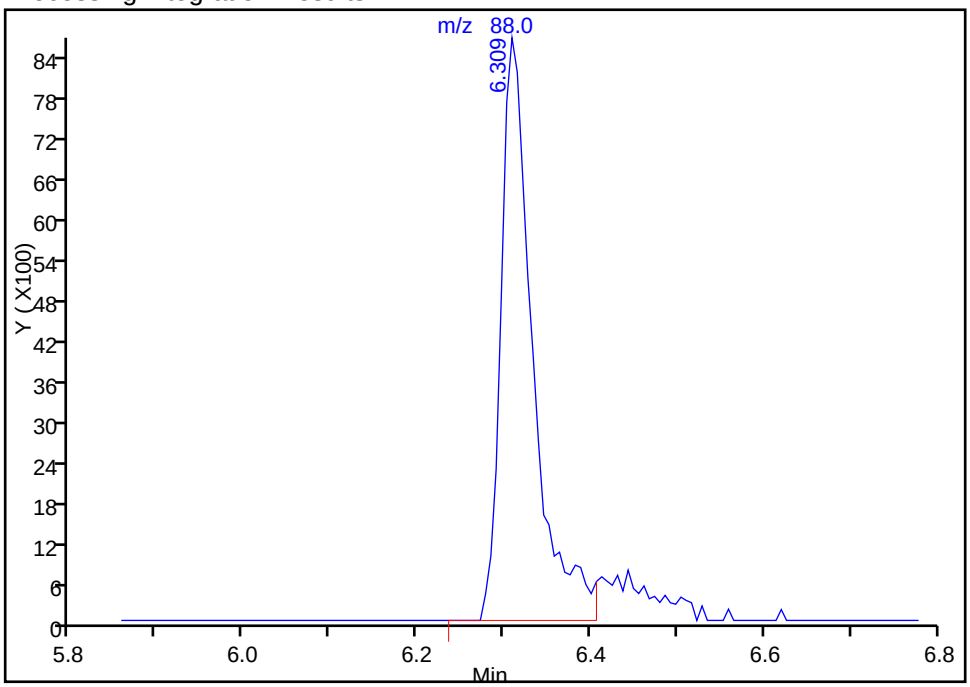
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34235.D
Injection Date: 24-Sep-2014 05:34:30 Instrument ID: HP5973G
Lims ID: IC 3
Client ID:
Operator ID: gtg ALS Bottle#: 10 Worklist Smp#: 8
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

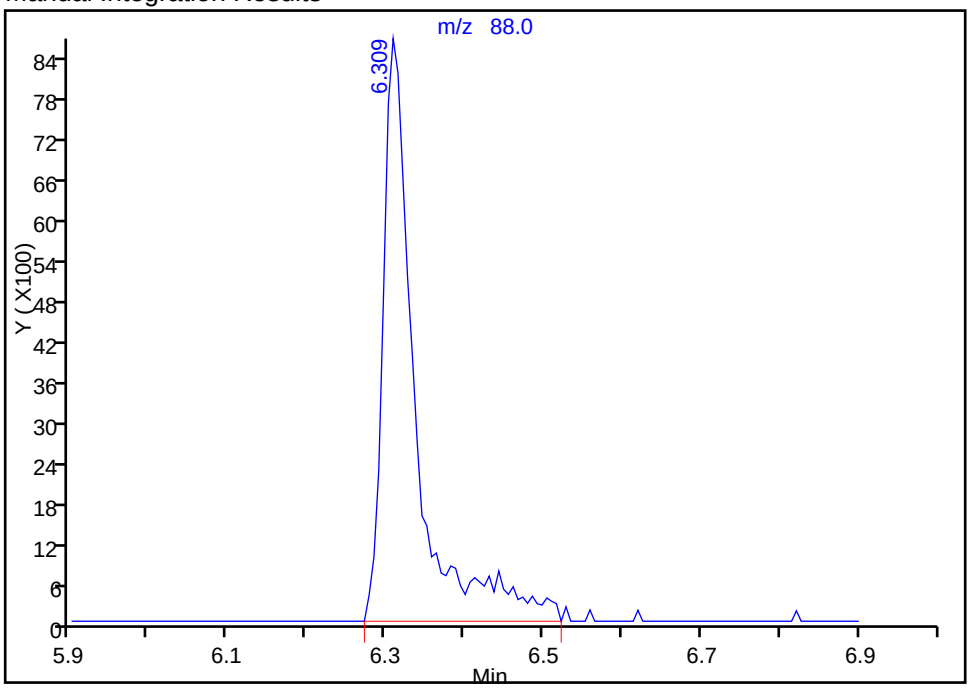
Processing Integration Results

RT: 6.31
Response: 22324
Amount: 203.1877



Manual Integration Results

RT: 6.31
Response: 25158
Amount: 220.8859



Reviewer: sobolr, 24-Sep-2014 10:21:56
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34236.D
Lims ID: ICIS 4
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 24-Sep-2014 05:56:30 ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 4
Misc. Info.: 480-0035654-009480-0035654-009
Operator ID: gtg Instrument ID: HP5973G
Sublist: chrom-G-8260*sub20

Method: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2014 10:29:19 Calib Date: 24-Sep-2014 09:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34245.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: sobolr Date: 24-Sep-2014 10:26:14

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	5.584	5.584	0.000	93	162441	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.577	8.577	0.000	89	337963	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.955	10.955	0.000	74	287390	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.992	4.992	0.000	79	176196	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.297	5.297	0.000	0	134574	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	7.096	7.096	0.000	91	791751	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.821	9.821	0.000	82	212275	25.0	24.7	
10 Dichlorodifluoromethane	85	1.414	1.414	0.000	87	345847	25.0	24.7	
12 Chloromethane	50	1.578	1.578	0.000	88	261407	25.0	24.7	
13 Vinyl chloride	62	1.688	1.688	0.000	82	285458	25.0	25.0	
144 Butadiene	54	1.719	1.719	0.000	91	228102	25.0	24.8	
14 Bromomethane	94	1.999	1.999	0.000	92	61562	25.0	18.8	M
15 Chloroethane	64	2.133	2.133	0.000	92	161806	25.0	24.2	
16 Dichlorofluoromethane	67	2.334	2.334	0.000	82	322082	25.0	24.6	
17 Trichlorofluoromethane	101	2.340	2.340	0.000	61	360405	25.0	25.6	
18 Ethyl ether	59	2.615	2.615	0.000	88	176051	25.0	25.3	
19 Acrolein	56	2.773	2.773	0.000	92	134757	125.0	124.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.859	2.859	0.000	45	223799	25.0	25.2	
20 1,1-Dichloroethene	96	2.865	2.865	0.000	87	281969	25.0	25.4	
22 Acetone	43	2.932	2.932	0.000	99	411888	125.0	127.0	
23 Iodomethane	142	3.041	3.041	0.000	76	290988	25.0	24.9	
24 Carbon disulfide	76	3.066	3.066	0.000	99	838017	25.0	25.6	M
26 3-Chloro-1-propene	41	3.188	3.188	0.000	45	262066	25.0	24.3	
28 Methyl acetate	43	3.230	3.230	0.000	95	1036001	125.0	128.4	
29 Methylene Chloride	84	3.383	3.383	0.000	81	271055	25.0	24.3	
30 2-Methyl-2-propanol	59	3.493	3.493	0.000	98	361321	250.0	264.6	
31 Methyl tert-butyl ether	73	3.560	3.560	0.000	84	710828	25.0	25.6	
32 trans-1,2-Dichloroethene	96	3.566	3.566	0.000	45	228071	25.0	25.9	
33 Acrylonitrile	53	3.590	3.590	0.000	97	937316	250.0	262.1	
34 Hexane	57	3.779	3.779	0.000	92	296519	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
36 1,1-Dichloroethane	63	3.974	3.974	0.000	85	369554	25.0	25.5	M
38 Vinyl acetate	43	4.029	4.029	0.000	97	581580	50.0	53.3	
42 2,2-Dichloropropane	77	4.498	4.498	0.000	91	133400	25.0	25.5	
43 cis-1,2-Dichloroethene	96	4.529	4.529	0.000	70	214612	25.0	25.9	
44 2-Butanone (MEK)	43	4.553	4.553	0.000	98	619335	125.0	129.6	
48 Chlorobromomethane	128	4.761	4.761	0.000	94	98910	25.0	25.2	
49 Tetrahydrofuran	42	4.797	4.797	0.000	87	166657	50.0	50.2	
50 Chloroform	85	4.834	4.834	0.000	70	230310	25.0	25.1	
51 1,1,1-Trichloroethane	97	4.962	4.962	0.000	91	222493	25.0	25.2	
52 Cyclohexane	56	4.986	4.986	0.000	88	393337	25.0	25.1	
53 Carbon tetrachloride	117	5.108	5.108	0.000	66	244541	25.0	26.3	
54 1,1-Dichloropropene	75	5.120	5.120	0.000	93	277847	25.0	25.7	
55 Isobutyl alcohol	43	5.303	5.303	0.000	87	353985	625.0	694.5	
56 Benzene	78	5.315	5.315	0.000	97	820808	25.0	25.2	
57 1,2-Dichloroethane	62	5.370	5.370	0.000	73	323450	25.0	25.7	
59 n-Heptane	43	5.517	5.517	0.000	91	296050	25.0	25.2	
61 Trichloroethene	95	5.931	5.931	0.000	94	202818	25.0	25.1	
62 Methylcyclohexane	83	6.065	6.065	0.000	90	357746	25.0	26.8	M
63 1,2-Dichloropropane	63	6.157	6.157	0.000	89	204971	25.0	26.0	
65 Dibromomethane	93	6.291	6.291	0.000	88	126823	25.0	25.8	
66 1,4-Dioxane	88	6.309	6.309	0.000	88	60418	500.0	528.4	
67 Dichlorobromomethane	83	6.443	6.443	0.000	93	256791	25.0	26.1	
70 2-Chloroethyl vinyl ether	63	6.718	6.718	0.000	92	157571	25.0	27.1	
72 cis-1,3-Dichloropropene	75	6.864	6.864	0.000	90	333464	25.0	26.1	
73 4-Methyl-2-pentanone (MIBK	43	6.998	6.998	0.000	96	1242342	125.0	131.6	
74 Toluene	92	7.163	7.163	0.000	93	519483	25.0	25.4	
76 trans-1,3-Dichloropropene	75	7.425	7.425	0.000	90	305120	25.0	26.8	
78 Ethyl methacrylate	69	7.480	7.480	0.000	82	314004	25.0	26.3	
79 1,1,2-Trichloroethane	83	7.614	7.614	0.000	88	156471	25.0	25.9	
80 Tetrachloroethene	166	7.705	7.705	0.000	89	195907	25.0	25.0	
81 1,3-Dichloropropane	76	7.772	7.772	0.000	91	355016	25.0	25.6	
82 2-Hexanone	43	7.839	7.839	0.000	96	881260	125.0	131.5	
83 Chlorodibromomethane	129	8.016	8.016	0.000	88	167523	25.0	22.3	
84 Ethylene Dibromide	107	8.120	8.120	0.000	98	190027	25.0	25.7	
86 Chlorobenzene	112	8.607	8.607	0.000	92	560077	25.0	25.7	
88 1,1,1,2-Tetrachloroethane	131	8.699	8.699	0.000	39	174475	25.0	26.4	
89 Ethylbenzene	91	8.705	8.705	0.000	98	995019	25.0	25.6	
90 m-Xylene & p-Xylene	106	8.827	8.827	0.000	0	391284	25.0	25.4	
91 o-Xylene	106	9.254	9.254	0.000	97	378844	25.0	25.6	
92 Styrene	104	9.278	9.278	0.000	95	657854	25.0	26.0	
93 Bromoform	173	9.516	9.516	0.000	94	94300	25.0	21.8	
95 Isopropylbenzene	105	9.632	9.632	0.000	96	997734	25.0	25.5	
97 Bromobenzene	156	9.973	9.973	0.000	97	227089	25.0	25.6	
98 1,1,2,2-Tetrachloroethane	83	10.004	10.004	0.000	80	259927	25.0	26.0	
99 1,2,3-Trichloropropane	110	10.040	10.040	0.000	53	89922	25.0	25.5	
100 trans-1,4-Dichloro-2-buten	53	10.052	10.052	0.000	35	86618	25.0	26.5	
101 N-Propylbenzene	91	10.058	10.058	0.000	98	1166540	25.0	25.8	
102 2-Chlorotoluene	126	10.156	10.156	0.000	95	224551	25.0	25.4	
104 1,3,5-Trimethylbenzene	105	10.235	10.235	0.000	94	856785	25.0	25.6	
105 4-Chlorotoluene	126	10.266	10.266	0.000	99	236413	25.0	25.4	
106 tert-Butylbenzene	134	10.546	10.546	0.000	91	183402	25.0	25.8	
107 1,2,4-Trimethylbenzene	105	10.601	10.601	0.000	68	887010	25.0	25.7	

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	10.759	10.759	0.000	95	1088052	25.0	25.7	
110 1,3-Dichlorobenzene	146	10.887	10.887	0.000	85	447062	25.0	25.5	
111 4-Isopropyltoluene	119	10.894	10.894	0.000	94	916970	25.0	25.8	
113 1,4-Dichlorobenzene	146	10.973	10.973	0.000	92	461264	25.0	25.4	
115 n-Butylbenzene	91	11.278	11.278	0.000	98	846659	25.0	25.5	
116 1,2-Dichlorobenzene	146	11.320	11.320	0.000	90	438099	25.0	25.0	
117 1,2-Dibromo-3-Chloropropan	75	12.040	12.040	0.000	72	46858	25.0	25.3	
119 1,2,4-Trichlorobenzene	180	12.729	12.729	0.000	92	318156	25.0	25.0	
120 Hexachlorobutadiene	225	12.844	12.844	0.000	92	136923	25.0	24.1	
121 Naphthalene	128	12.936	12.936	0.000	97	788066	25.0	26.3	
122 1,2,3-Trichlorobenzene	180	13.143	13.143	0.000	94	276528	25.0	24.8	
S 125 1,2-Dichloroethene, Total	1				0			51.8	
S 126 1,3-Dichloropropene, Total	1				0			52.9	
S 123 Total BTEX	1				0			127.1	
S 124 Xylenes, Total	1				0			51.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00048	Amount Added: 12.50	Units: uL		
8260 CORP mix_00022	Amount Added: 12.50	Units: uL		
G_8260_IS_00065	Amount Added: 1.00	Units: uL	Run Reagent	
G_8260_Surr_00081	Amount Added: 1.00	Units: uL	Run Reagent	

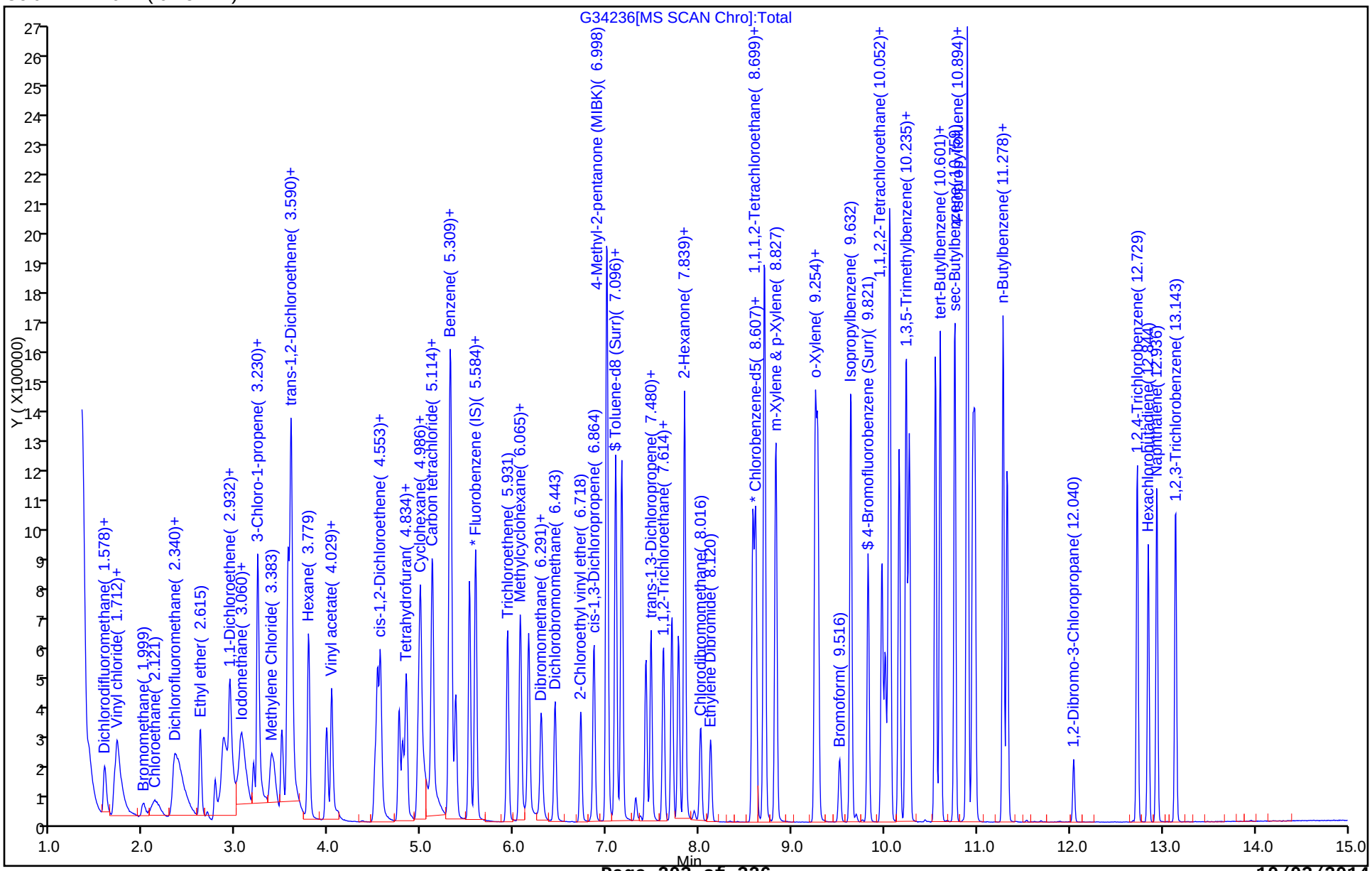
Report Date: 24-Sep-2014 10:29:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34236.D

Injection Date:	24-Sep-2014 05:56:30	Instrument ID:	HP5973G	Operator ID:	gtg
Lims ID:	ICIS 4			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	G-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

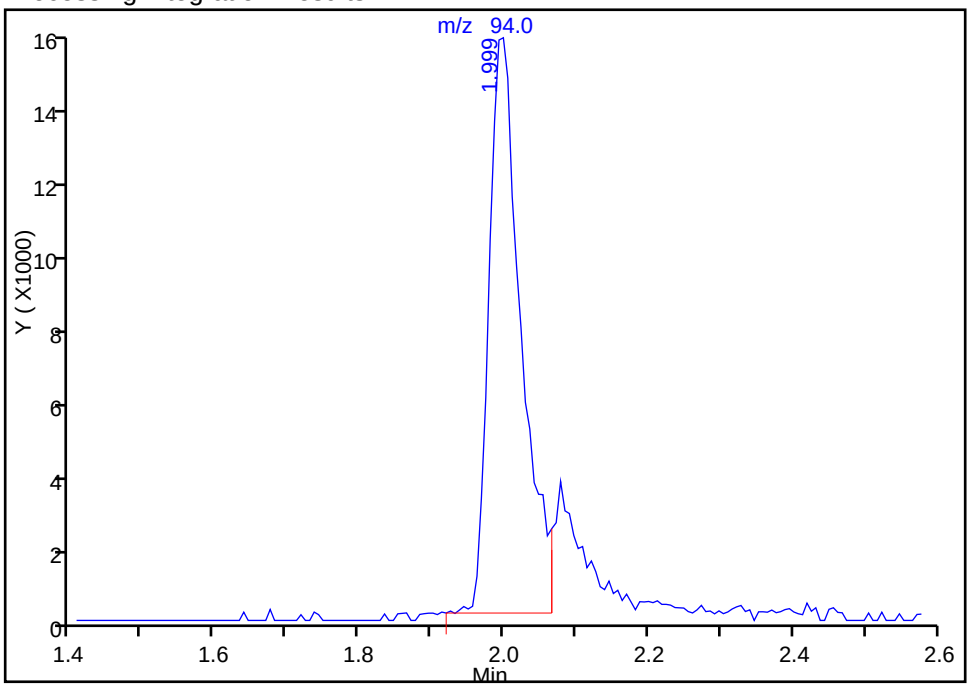
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34236.D
Injection Date: 24-Sep-2014 05:56:30 Instrument ID: HP5973G
Lims ID: ICIS 4
Client ID:
Operator ID: gtg ALS Bottle#: 11 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

14 Bromomethane, CAS: 74-83-9

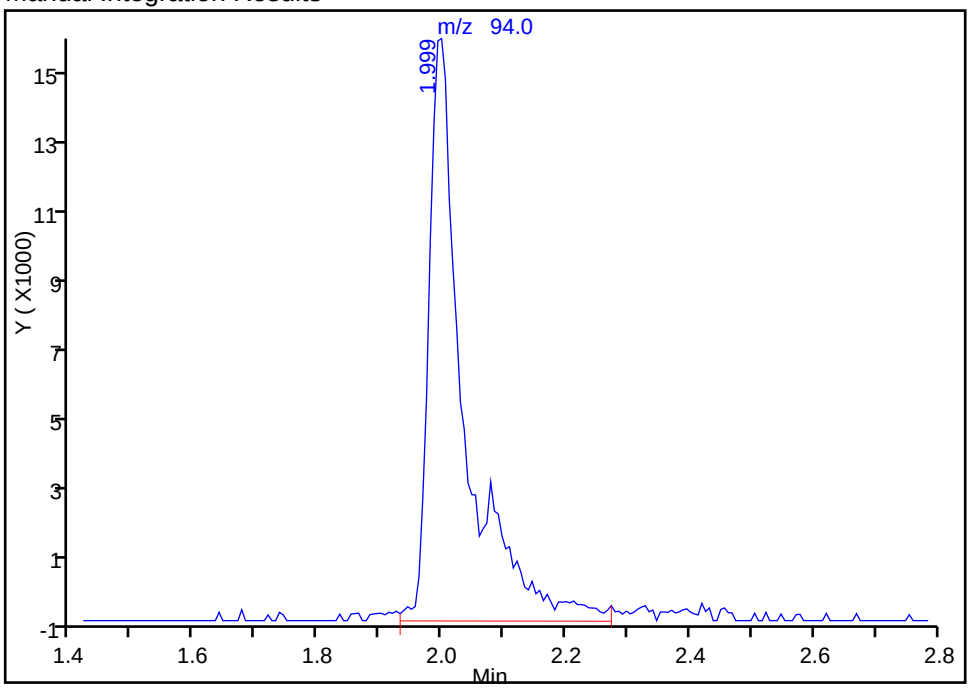
Processing Integration Results

RT: 2.00
Response: 47197
Amount: 14.092691



Manual Integration Results

RT: 2.00
Response: 61562
Amount: 18.779730



Reviewer: HillL, 24-Sep-2014 10:10:13
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

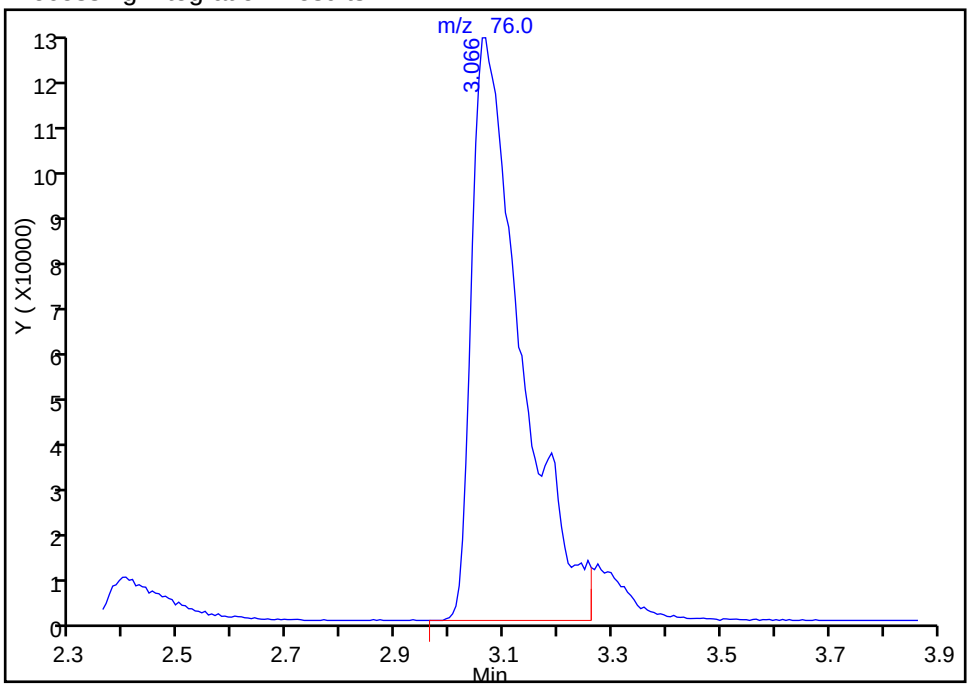
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34236.D
Injection Date: 24-Sep-2014 05:56:30 Instrument ID: HP5973G
Lims ID: ICIS 4
Client ID:
Operator ID: gtg ALS Bottle#: 11 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

24 Carbon disulfide, CAS: 75-15-0

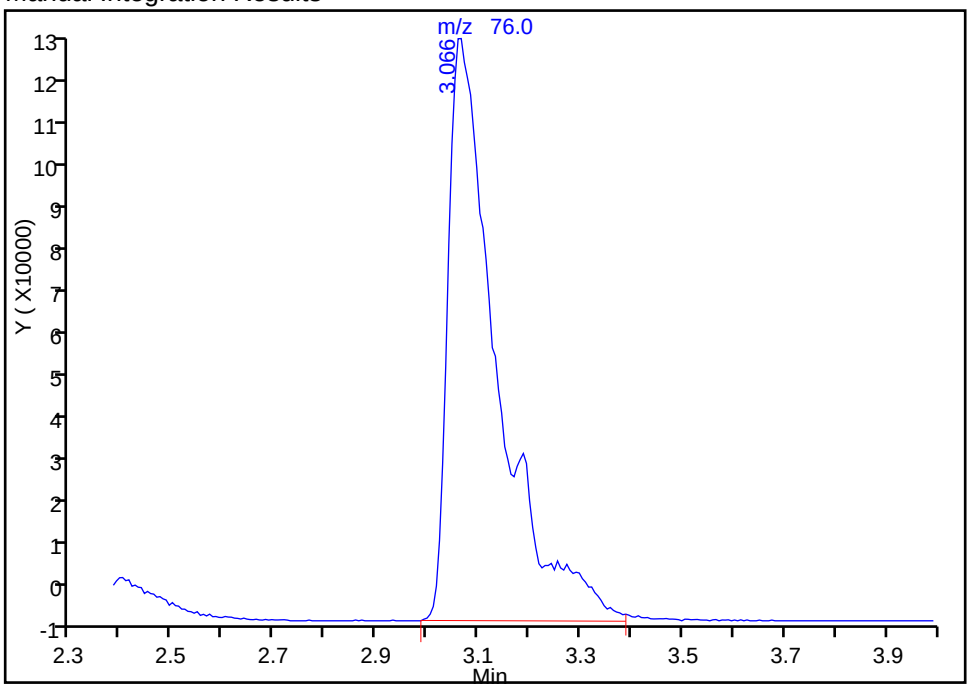
Processing Integration Results

RT: 3.07
Response: 790735
Amount: 24.851205



Manual Integration Results

RT: 3.07
Response: 838017
Amount: 25.625429



Reviewer: sobolr, 24-Sep-2014 10:26:14
Audit Action: Manually Integrated
Audit Reason: Split Peak

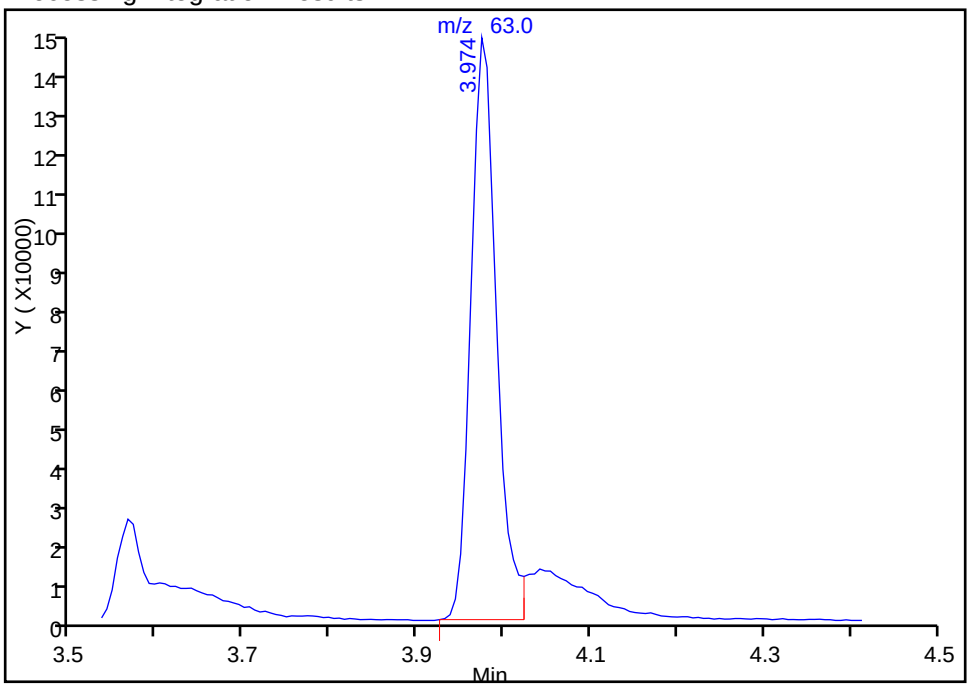
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34236.D
Injection Date: 24-Sep-2014 05:56:30 Instrument ID: HP5973G
Lims ID: ICIS 4
Client ID:
Operator ID: gtg ALS Bottle#: 11 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

36 1,1-Dichloroethane, CAS: 75-34-3

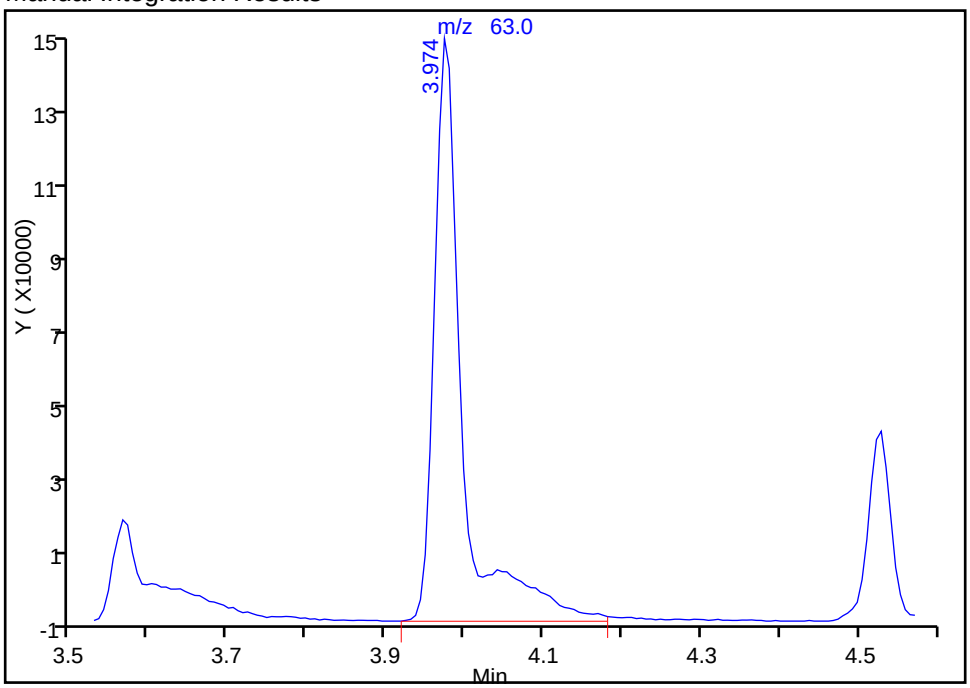
Processing Integration Results

RT: 3.97
Response: 305126
Amount: 23.037925



Manual Integration Results

RT: 3.97
Response: 369554
Amount: 25.470854



Reviewer: sobolr, 24-Sep-2014 10:23:00
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

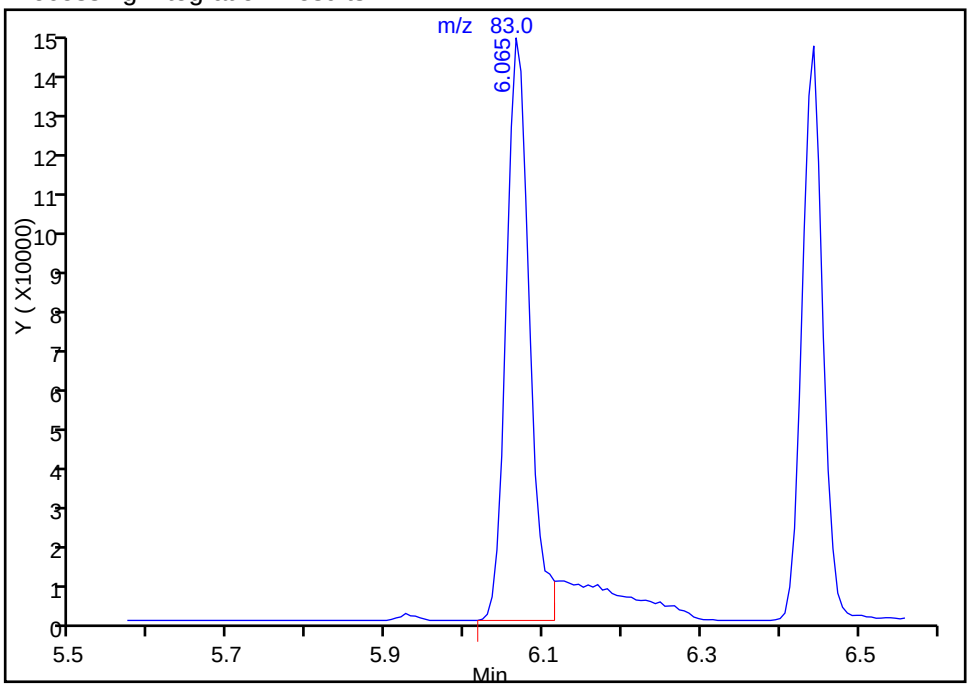
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34236.D
Injection Date: 24-Sep-2014 05:56:30 Instrument ID: HP5973G
Lims ID: ICIS 4
Client ID:
Operator ID: gtg ALS Bottle#: 11 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

62 Methylcyclohexane, CAS: 108-87-2

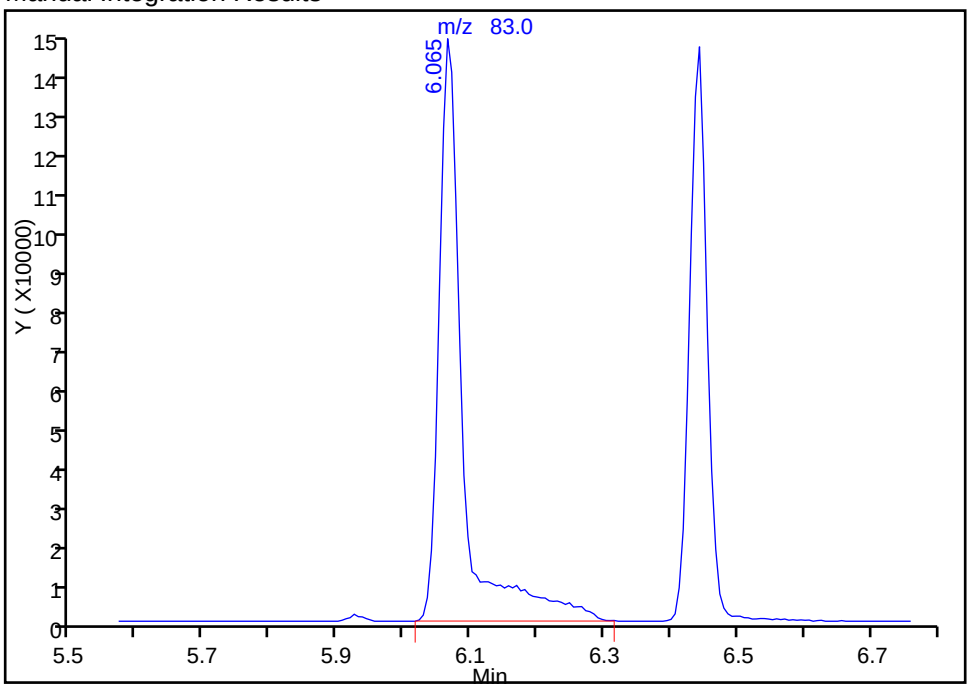
Processing Integration Results

RT: 6.07
Response: 295461
Amount: 22.804034



Manual Integration Results

RT: 6.07
Response: 357746
Amount: 26.753852



Reviewer: sobolr, 24-Sep-2014 10:29:19
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34237.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 24-Sep-2014 06:19:30 ALS Bottle#: 12 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 5
Misc. Info.: 480-0035654-010480-0035654-010
Operator ID: gtg Instrument ID: HP5973G
Sublist: chrom-G-8260*sub20

Method: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2014 10:27:35 Calib Date: 24-Sep-2014 09:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34245.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: sobolr Date: 24-Sep-2014 10:27:35

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	5.584	5.584	0.000	98	164637	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.577	8.577	0.000	88	344329	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.955	10.955	0.000	97	291396	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.986	4.992	-0.006	92	178669	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.297	5.297	0.000	0	133144	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	7.096	7.096	0.000	93	800061	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.821	9.821	0.000	83	220743	25.0	25.2	
10 Dichlorodifluoromethane	85	1.414	1.414	0.000	99	723996	50.0	51.1	
12 Chloromethane	50	1.579	1.578	0.001	99	543370	50.0	50.7	
13 Vinyl chloride	62	1.694	1.688	0.006	98	587392	50.0	50.8	
144 Butadiene	54	1.719	1.719	0.000	93	458921	50.0	49.3	
14 Bromomethane	94	2.005	1.999	0.006	91	215294	50.0	53.9	
15 Chloroethane	64	2.139	2.133	0.006	100	323368	50.0	47.7	
16 Dichlorofluoromethane	67	2.341	2.334	0.007	96	735183	50.0	55.5	
17 Trichlorofluoromethane	101	2.347	2.340	0.007	95	768968	50.0	53.8	
18 Ethyl ether	59	2.609	2.615	-0.006	89	364672	50.0	51.7	
19 Acrolein	56	2.773	2.773	0.000	99	268798	250.0	244.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.859	2.859	0.000	94	462953	50.0	51.4	
20 1,1-Dichloroethene	96	2.859	2.865	-0.006	96	579814	50.0	51.6	
22 Acetone	43	2.926	2.932	-0.006	99	847379	250.0	257.9	
23 Iodomethane	142	3.036	3.041	-0.005	99	582551	50.0	49.1	
24 Carbon disulfide	76	3.066	3.066	0.000	100	1753954	50.0	53.9	
26 3-Chloro-1-propene	41	3.188	3.188	0.000	87	530767	50.0	48.5	
28 Methyl acetate	43	3.231	3.230	0.001	97	2127282	250.0	260.0	
29 Methylene Chloride	84	3.383	3.383	0.000	92	539198	50.0	47.8	
30 2-Methyl-2-propanol	59	3.481	3.493	-0.012	99	725042	500.0	523.8	
31 Methyl tert-butyl ether	73	3.554	3.560	-0.006	95	1450627	50.0	51.5	
32 trans-1,2-Dichloroethene	96	3.566	3.566	0.000	98	447079	50.0	50.1	
33 Acrylonitrile	53	3.590	3.590	0.000	98	1886436	500.0	520.4	
34 Hexane	57	3.779	3.779	0.000	93	605977	50.0	50.7	

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	3.974	3.974	0.000	96	739697	50.0	50.3	
38 Vinyl acetate	43	4.029	4.029	0.000	97	1222438	100.0	110.5	
42 2,2-Dichloropropane	77	4.499	4.498	0.001	91	268576	50.0	50.7	
43 cis-1,2-Dichloroethene	96	4.529	4.529	0.000	82	432116	50.0	51.5	
44 2-Butanone (MEK)	43	4.554	4.553	0.001	99	1280941	250.0	264.6	
48 Chlorobromomethane	128	4.761	4.761	0.000	97	206035	50.0	51.7	
49 Tetrahydrofuran	42	4.791	4.797	-0.006	85	340504	100.0	101.2	
50 Chloroform	85	4.834	4.834	0.000	94	472350	50.0	50.7	
51 1,1,1-Trichloroethane	97	4.968	4.962	0.006	98	461071	50.0	51.4	
52 Cyclohexane	56	4.986	4.986	0.000	92	821257	50.0	51.7	
53 Carbon tetrachloride	117	5.114	5.108	0.006	97	505255	50.0	53.7	
54 1,1-Dichloropropene	75	5.121	5.120	0.001	96	563614	50.0	51.5	
55 Isobutyl alcohol	43	5.303	5.303	0.000	93	735294	1250.0	1423.5	
56 Benzene	78	5.316	5.315	0.001	97	1665867	50.0	50.4	
57 1,2-Dichloroethane	62	5.370	5.370	0.000	99	649340	50.0	51.0	
59 n-Heptane	43	5.517	5.517	0.000	90	605846	50.0	50.9	
61 Trichloroethene	95	5.931	5.931	0.000	97	422116	50.0	51.6	
62 Methylcyclohexane	83	6.065	6.065	0.000	89	742494	50.0	58.5	
63 1,2-Dichloropropane	63	6.157	6.157	0.000	91	411386	50.0	51.5	
65 Dibromomethane	93	6.291	6.291	0.000	95	261667	50.0	52.5	
66 1,4-Dioxane	88	6.303	6.309	-0.006	94	128323	1000.0	1101.5	M
67 Dichlorobromomethane	83	6.443	6.443	0.000	99	554924	50.0	55.6	
70 2-Chloroethyl vinyl ether	63	6.718	6.718	0.000	94	320632	50.0	54.3	
72 cis-1,3-Dichloropropene	75	6.858	6.864	-0.006	94	696314	50.0	53.8	
73 4-Methyl-2-pentanone (MIBK	43	6.998	6.998	0.000	95	2510465	250.0	261.0	
74 Toluene	92	7.163	7.163	0.000	98	1068672	50.0	51.2	
76 trans-1,3-Dichloropropene	75	7.419	7.425	-0.006	95	647621	50.0	55.8	
78 Ethyl methacrylate	69	7.480	7.480	0.000	89	664952	50.0	54.7	
79 1,1,2-Trichloroethane	83	7.608	7.614	-0.006	93	317966	50.0	51.7	
80 Tetrachloroethene	166	7.705	7.705	0.000	94	403210	50.0	50.5	
81 1,3-Dichloropropane	76	7.772	7.772	0.000	92	730432	50.0	51.7	
82 2-Hexanone	43	7.840	7.839	0.001	94	1827492	250.0	267.8	
83 Chlorodibromomethane	129	8.016	8.016	0.000	90	385811	50.0	49.4	
84 Ethylene Dibromide	107	8.120	8.120	0.000	99	398627	50.0	52.9	
86 Chlorobenzene	112	8.608	8.607	0.001	92	1133928	50.0	51.0	
88 1,1,1,2-Tetrachloroethane	131	8.699	8.699	0.000	91	369629	50.0	55.0	
89 Ethylbenzene	91	8.705	8.705	0.000	99	2013323	50.0	50.8	
90 m-Xylene & p-Xylene	106	8.827	8.827	0.000	0	803125	50.0	51.2	
91 o-Xylene	106	9.254	9.254	0.000	97	774946	50.0	51.4	
92 Styrene	104	9.278	9.278	0.000	95	1358132	50.0	52.6	
93 Bromoform	173	9.516	9.516	0.000	95	227407	50.0	46.6	
95 Isopropylbenzene	105	9.638	9.632	0.006	96	2034477	50.0	51.3	
97 Bromobenzene	156	9.973	9.973	0.000	98	462148	50.0	51.3	
98 1,1,2,2-Tetrachloroethane	83	10.004	10.004	0.000	95	533300	50.0	52.7	
99 1,2,3-Trichloropropane	110	10.040	10.040	0.000	88	184504	50.0	51.7	
100 trans-1,4-Dichloro-2-buten	53	10.052	10.052	0.000	78	190505	50.0	57.4	
101 N-Propylbenzene	91	10.059	10.058	0.001	98	2365382	50.0	51.5	
102 2-Chlorotoluene	126	10.156	10.156	0.000	95	456402	50.0	50.8	
104 1,3,5-Trimethylbenzene	105	10.235	10.235	0.000	93	1763725	50.0	52.0	
105 4-Chlorotoluene	126	10.266	10.266	0.000	98	483449	50.0	51.3	
106 tert-Butylbenzene	134	10.546	10.546	0.000	92	377307	50.0	52.3	
107 1,2,4-Trimethylbenzene	105	10.601	10.601	0.000	98	1819953	50.0	52.0	

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	10.760	10.759	0.001	95	2219483	50.0	51.7	
110 1,3-Dichlorobenzene	146	10.888	10.887	0.001	96	905783	50.0	50.9	
111 4-Isopropyltoluene	119	10.900	10.894	0.006	97	1867080	50.0	51.7	
113 1,4-Dichlorobenzene	146	10.973	10.973	0.000	92	937364	50.0	51.0	
115 n-Butylbenzene	91	11.278	11.278	0.000	98	1753541	50.0	52.0	
116 1,2-Dichlorobenzene	146	11.321	11.320	0.001	95	899310	50.0	50.7	
117 1,2-Dibromo-3-Chloropropan	75	12.040	12.040	0.000	78	107394	50.0	57.3	
119 1,2,4-Trichlorobenzene	180	12.729	12.729	0.000	93	669805	50.0	52.0	
120 Hexachlorobutadiene	225	12.851	12.844	0.007	96	302342	50.0	52.6	
121 Naphthalene	128	12.936	12.936	0.000	98	1676753	50.0	55.2	
122 1,2,3-Trichlorobenzene	180	13.143	13.143	0.000	94	592789	50.0	52.4	
S 123 Total BTEX	1				0			255.0	
S 124 Xylenes, Total	1				0			102.6	
S 125 1,2-Dichloroethene, Total	1				0			101.6	
S 126 1,3-Dichloropropene, Total	1				0			109.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00048	Amount Added: 25.00	Units: uL		
8260 CORP mix_00022	Amount Added: 25.00	Units: uL		
G_8260_IS_00065	Amount Added: 1.00	Units: uL	Run Reagent	
G_8260_Surr_00081	Amount Added: 1.00	Units: uL	Run Reagent	

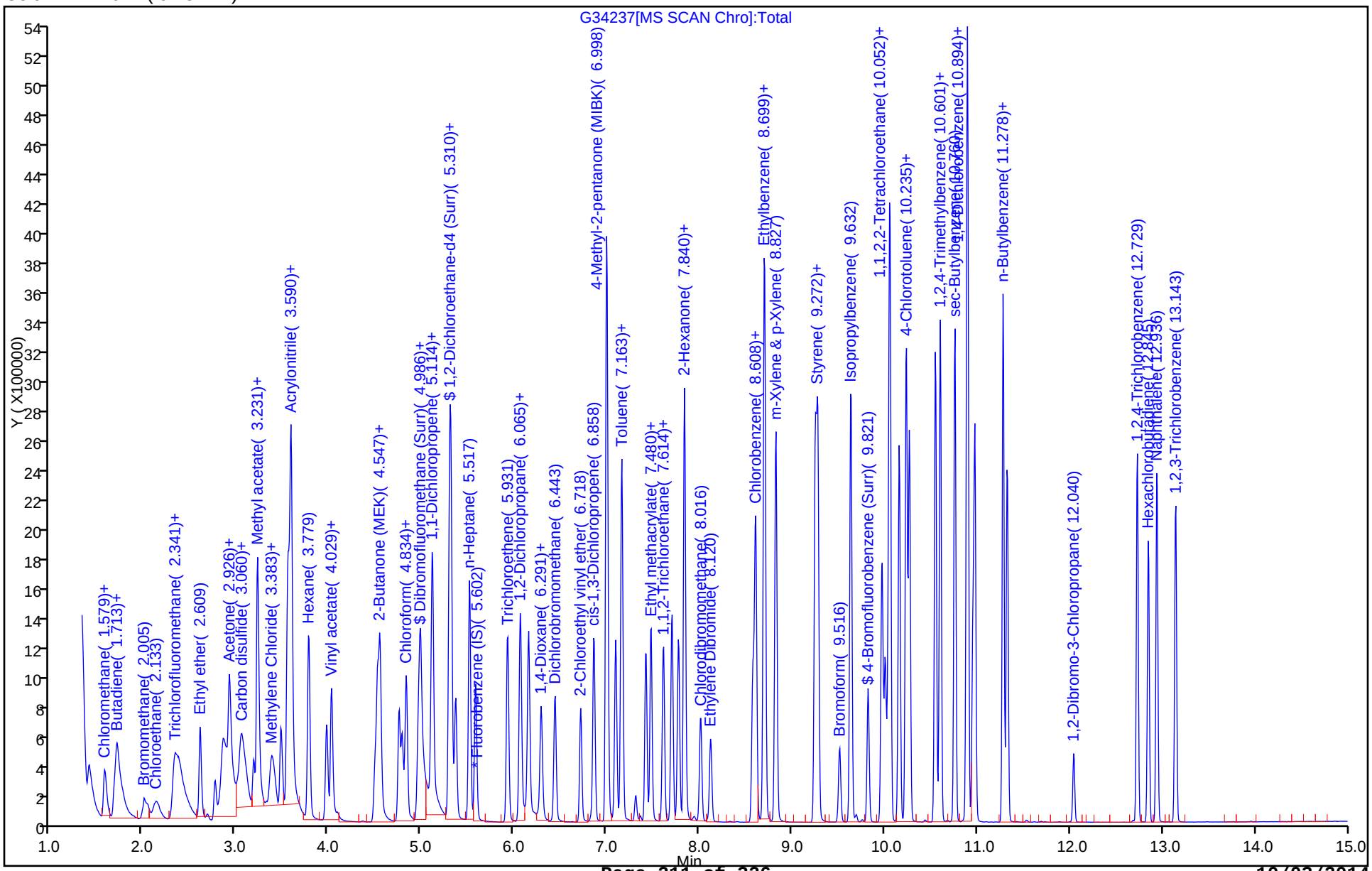
Report Date: 24-Sep-2014 10:27:35 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34237.D

Injection Date:	24-Sep-2014 06:19:30	Instrument ID:	HP5973G	Operator ID:	gtg
Lims ID:	IC 5			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	G-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

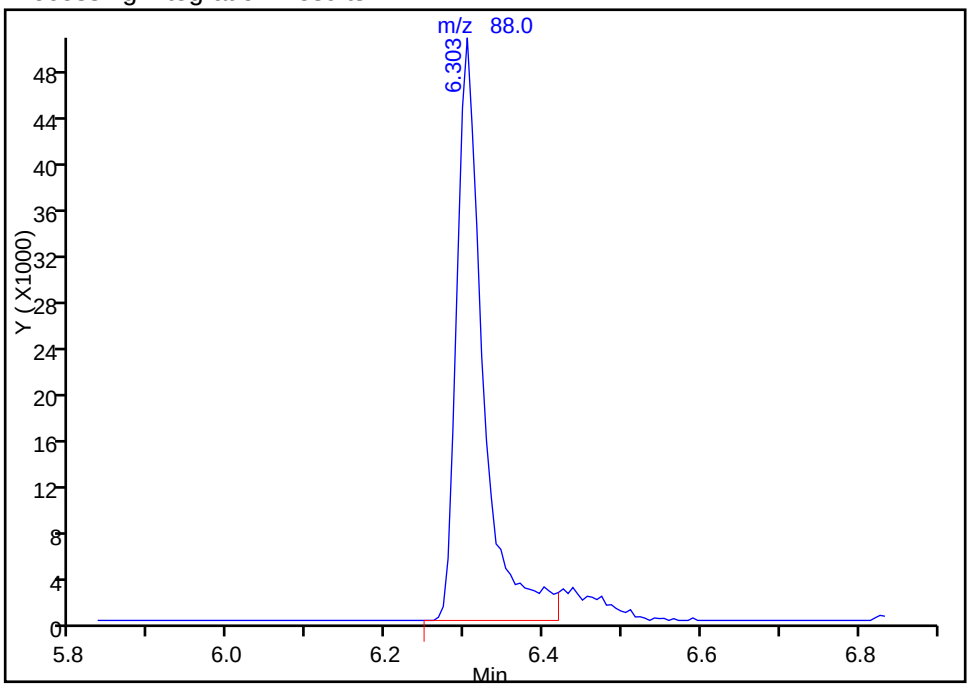
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34237.D
Injection Date: 24-Sep-2014 06:19:30 Instrument ID: HP5973G
Lims ID: IC 5
Client ID:
Operator ID: gtg ALS Bottle#: 12 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

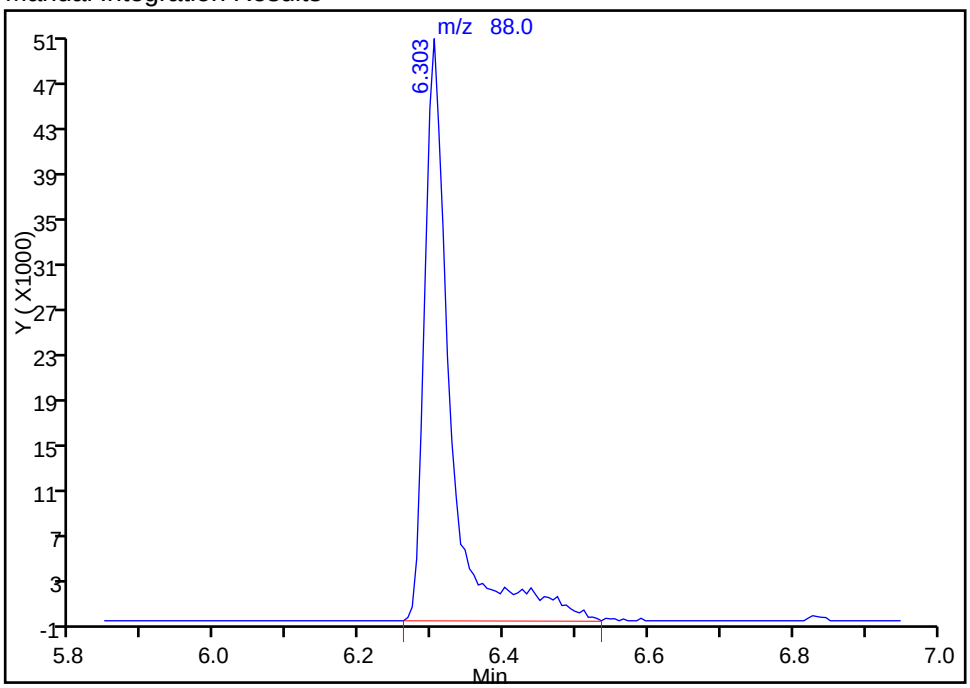
Processing Integration Results

RT: 6.30
Response: 118103
Amount: 1028.8629



Manual Integration Results

RT: 6.30
Response: 128323
Amount: 1101.5496



Reviewer: sobolr, 24-Sep-2014 10:27:35
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34238.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 24-Sep-2014 06:42:30 ALS Bottle#: 13 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0035654-011480-0035654-011
Operator ID: gtg Instrument ID: HP5973G
Sublist: chrom-G-8260*sub20

Method: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2014 10:28:57 Calib Date: 24-Sep-2014 09:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34245.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: sobolr Date: 24-Sep-2014 10:28:57

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	5.584	5.584	0.000	98	169889	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.577	8.577	0.000	88	345995	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.955	10.955	0.000	97	306053	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.986	4.992	-0.006	88	183181	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.297	5.297	0.000	0	134461	25.0	24.0	
$ 5 Toluene-d8 (Surr)	98	7.096	7.096	0.000	93	822647	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.821	9.821	0.000	83	229777	25.0	26.1	
10 Dichlorodifluoromethane	85	1.414	1.414	0.000	99	1501677	100.0	102.7	
12 Chloromethane	50	1.585	1.578	0.007	99	1106431	100.0	100.0	
13 Vinyl chloride	62	1.694	1.688	0.006	98	1183071	100.0	99.2	
144 Butadiene	54	1.725	1.719	0.006	92	1018044	100.0	106.0	
14 Bromomethane	94	1.999	1.999	0.000	91	473174	100.0	99.5	
15 Chloroethane	64	2.133	2.133	0.000	99	681845	100.0	97.4	
16 Dichlorofluoromethane	67	2.334	2.334	0.000	97	1525423	100.0	111.5	
17 Trichlorofluoromethane	101	2.347	2.340	0.007	98	1577059	100.0	106.9	
18 Ethyl ether	59	2.609	2.615	-0.006	89	738582	100.0	101.5	
19 Acrolein	56	2.773	2.773	0.000	99	559764	500.0	494.0	
21 1,1,2-Trichloro-1,2,2-trif	101	2.865	2.859	0.006	91	961217	100.0	103.4	
20 1,1-Dichloroethene	96	2.871	2.865	0.006	96	1160112	100.0	100.1	
22 Acetone	43	2.926	2.932	-0.006	100	1690025	500.0	498.4	
23 Iodomethane	142	3.036	3.041	-0.005	99	1325218	100.0	108.3	
24 Carbon disulfide	76	3.066	3.066	0.000	100	3584213	100.0	104.8	M
26 3-Chloro-1-propene	41	3.188	3.188	0.000	87	1188026	100.0	105.2	
28 Methyl acetate	43	3.231	3.230	0.001	97	4142259	500.0	490.7	
29 Methylene Chloride	84	3.389	3.383	0.006	92	1089924	100.0	93.6	
30 2-Methyl-2-propanol	59	3.481	3.493	-0.012	99	1483188	1000.0	1038.4	
31 Methyl tert-butyl ether	73	3.554	3.560	-0.006	95	2922429	100.0	100.5	
32 trans-1,2-Dichloroethene	96	3.566	3.566	0.000	97	929409	100.0	100.9	
33 Acrylonitrile	53	3.590	3.590	0.000	98	3684127	1000.0	984.9	
34 Hexane	57	3.785	3.779	0.006	93	1220412	100.0	98.9	

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	3.974	3.974	0.000	96	1558712	100.0	102.7	M
38 Vinyl acetate	43	4.029	4.029	0.000	97	2508079	200.0	219.6	
42 2,2-Dichloropropane	77	4.499	4.498	0.001	91	537236	100.0	98.3	
43 cis-1,2-Dichloroethene	96	4.529	4.529	0.000	81	865456	100.0	100.0	
44 2-Butanone (MEK)	43	4.553	4.553	0.000	99	2554902	500.0	511.4	
48 Chlorobromomethane	128	4.761	4.761	0.000	97	425633	100.0	103.5	
49 Tetrahydrofuran	42	4.791	4.797	-0.006	85	679851	200.0	195.8	
50 Chloroform	85	4.834	4.834	0.000	94	969016	100.0	100.8	
51 1,1,1-Trichloroethane	97	4.968	4.962	0.006	98	978442	100.0	105.8	
52 Cyclohexane	56	4.992	4.986	0.006	93	1653538	100.0	100.8	
53 Carbon tetrachloride	117	5.108	5.108	0.000	97	1143335	100.0	117.7	
54 1,1-Dichloropropene	75	5.120	5.120	0.000	96	1141923	100.0	101.1	
55 Isobutyl alcohol	43	5.303	5.303	0.000	93	1452241	2500.0	2724.5	
56 Benzene	78	5.316	5.315	0.001	97	3298000	100.0	96.6	
57 1,2-Dichloroethane	62	5.370	5.370	0.000	98	1331910	100.0	101.3	
59 n-Heptane	43	5.517	5.517	0.000	90	1227111	100.0	99.9	
61 Trichloroethene	95	5.931	5.931	0.000	97	841384	100.0	99.7	
62 Methylcyclohexane	83	6.065	6.065	0.000	90	1513877	100.0	111.7	M
63 1,2-Dichloropropane	63	6.157	6.157	0.000	91	839570	100.0	101.8	
65 Dibromomethane	93	6.291	6.291	0.000	95	532021	100.0	103.4	
66 1,4-Dioxane	88	6.303	6.309	-0.006	93	245180	2000.0	2094.5	
67 Dichlorobromomethane	83	6.443	6.443	0.000	99	1188728	100.0	115.4	
70 2-Chloroethyl vinyl ether	63	6.718	6.718	0.000	93	675575	100.0	110.9	
72 cis-1,3-Dichloropropene	75	6.858	6.864	-0.006	94	1466980	100.0	109.8	
73 4-Methyl-2-pentanone (MIBK	43	6.998	6.998	0.000	94	4826758	500.0	499.4	
74 Toluene	92	7.163	7.163	0.000	98	2162625	100.0	103.1	
76 trans-1,3-Dichloropropene	75	7.425	7.425	0.000	95	1362869	100.0	116.8	
78 Ethyl methacrylate	69	7.480	7.480	0.000	88	1372436	100.0	112.4	
79 1,1,2-Trichloroethane	83	7.614	7.614	0.000	94	654833	100.0	105.9	
80 Tetrachloroethene	166	7.705	7.705	0.000	93	826715	100.0	103.0	
81 1,3-Dichloropropane	76	7.772	7.772	0.000	93	1486280	100.0	104.7	
82 2-Hexanone	43	7.839	7.839	0.000	94	3610379	500.0	526.4	
83 Chlorodibromomethane	129	8.016	8.016	0.000	91	834164	100.0	105.3	
84 Ethylene Dibromide	107	8.120	8.120	0.000	98	821357	100.0	108.5	
86 Chlorobenzene	112	8.608	8.607	0.001	92	2295083	100.0	102.8	
88 1,1,1,2-Tetrachloroethane	131	8.699	8.699	0.000	92	774241	100.0	114.6	
89 Ethylbenzene	91	8.705	8.705	0.000	99	3990154	100.0	100.3	
90 m-Xylene & p-Xylene	106	8.827	8.827	0.000	0	1649083	100.0	104.6	
91 o-Xylene	106	9.254	9.254	0.000	97	1571067	100.0	103.7	
92 Styrene	104	9.278	9.278	0.000	94	2768546	100.0	106.7	
93 Bromoform	173	9.516	9.516	0.000	95	524886	100.0	102.4	
95 Isopropylbenzene	105	9.638	9.632	0.006	97	4107918	100.0	98.6	
97 Bromobenzene	156	9.973	9.973	0.000	97	959664	100.0	101.5	
98 1,1,2,2-Tetrachloroethane	83	10.004	10.004	0.000	96	1119381	100.0	105.3	
99 1,2,3-Trichloropropane	110	10.040	10.040	0.000	88	380746	100.0	101.5	
100 trans-1,4-Dichloro-2-buten	53	10.052	10.052	0.000	78	403481	100.0	115.8	
101 N-Propylbenzene	91	10.059	10.058	0.001	98	4688213	100.0	97.2	
102 2-Chlorotoluene	126	10.156	10.156	0.000	95	942572	100.0	100.0	
104 1,3,5-Trimethylbenzene	105	10.235	10.235	0.000	93	3609478	100.0	101.4	
105 4-Chlorotoluene	126	10.266	10.266	0.000	98	1007202	100.0	101.8	
106 tert-Butylbenzene	134	10.552	10.546	0.006	92	787644	100.0	103.9	
107 1,2,4-Trimethylbenzene	105	10.601	10.601	0.000	98	3737318	100.0	101.6	

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	10.760	10.759	0.001	96	4517496	100.0	100.1	
110 1,3-Dichlorobenzene	146	10.888	10.887	0.001	95	1855217	100.0	99.3	
111 4-Isopropyltoluene	119	10.900	10.894	0.006	96	3817941	100.0	100.8	
113 1,4-Dichlorobenzene	146	10.973	10.973	0.000	92	1962231	100.0	101.6	
115 n-Butylbenzene	91	11.278	11.278	0.000	97	3645855	100.0	103.0	
116 1,2-Dichlorobenzene	146	11.320	11.320	0.000	95	1889399	100.0	101.4	
117 1,2-Dibromo-3-Chloropropan	75	12.040	12.040	0.000	78	255512	100.0	129.7	
119 1,2,4-Trichlorobenzene	180	12.729	12.729	0.000	93	1451736	100.0	107.3	
120 Hexachlorobutadiene	225	12.851	12.844	0.007	96	666383	100.0	110.3	
121 Naphthalene	128	12.936	12.936	0.000	98	3587969	100.0	112.4	
122 1,2,3-Trichlorobenzene	180	13.143	13.143	0.000	94	1288307	100.0	108.4	
S 125 1,2-Dichloroethene, Total	1				0			200.9	
S 126 1,3-Dichloropropene, Total	1				0			226.6	
S 123 Total BTEX	1				0			508.3	
S 124 Xylenes, Total	1				0			208.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00048	Amount Added: 50.00	Units: uL		
8260 CORP mix_00022	Amount Added: 50.00	Units: uL		
G_8260_IS_00065	Amount Added: 1.00	Units: uL	Run Reagent	
G_8260_Surr_00081	Amount Added: 1.00	Units: uL	Run Reagent	

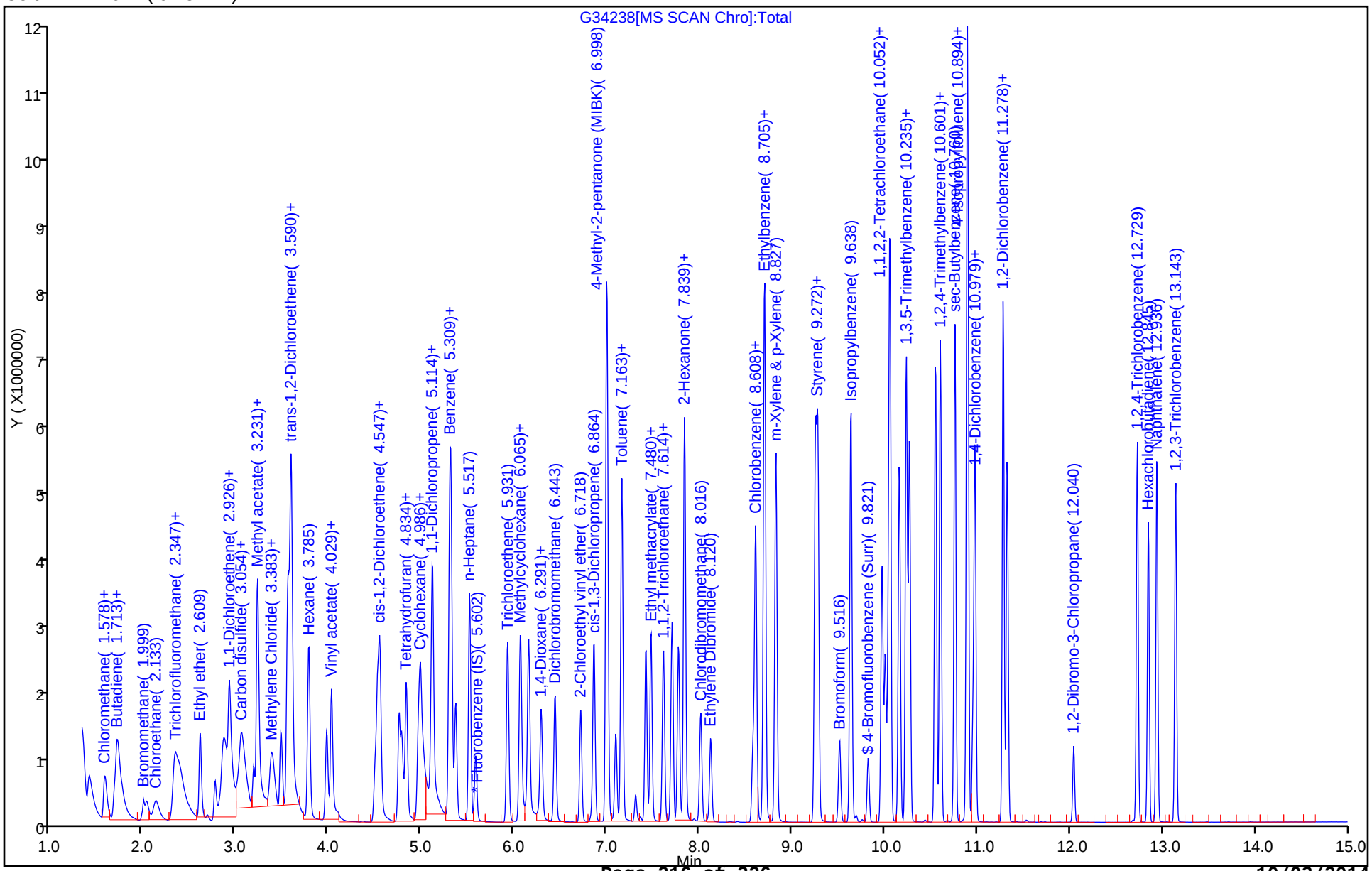
Report Date: 24-Sep-2014 10:28:58 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34238.D

Injection Date:	24-Sep-2014 06:42:30	Instrument ID:	HP5973G	Operator ID:	gtg
Lims ID:	IC 6			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	G-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



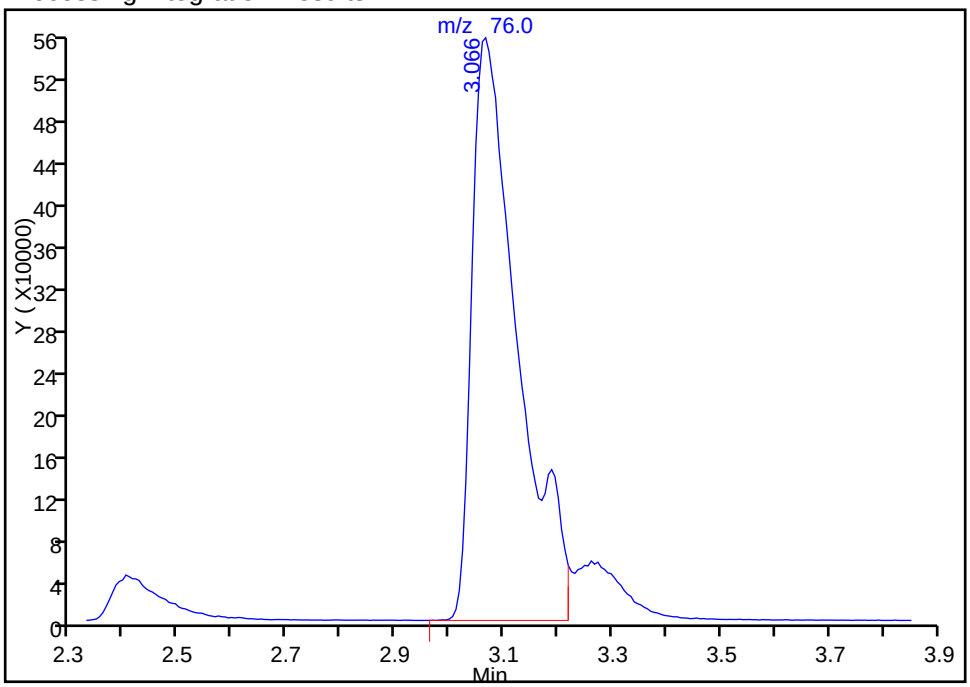
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34238.D
Injection Date: 24-Sep-2014 06:42:30 Instrument ID: HP5973G
Lims ID: IC 6
Client ID:
Operator ID: gtg ALS Bottle#: 13 Worklist Smp#: 11
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

24 Carbon disulfide, CAS: 75-15-0

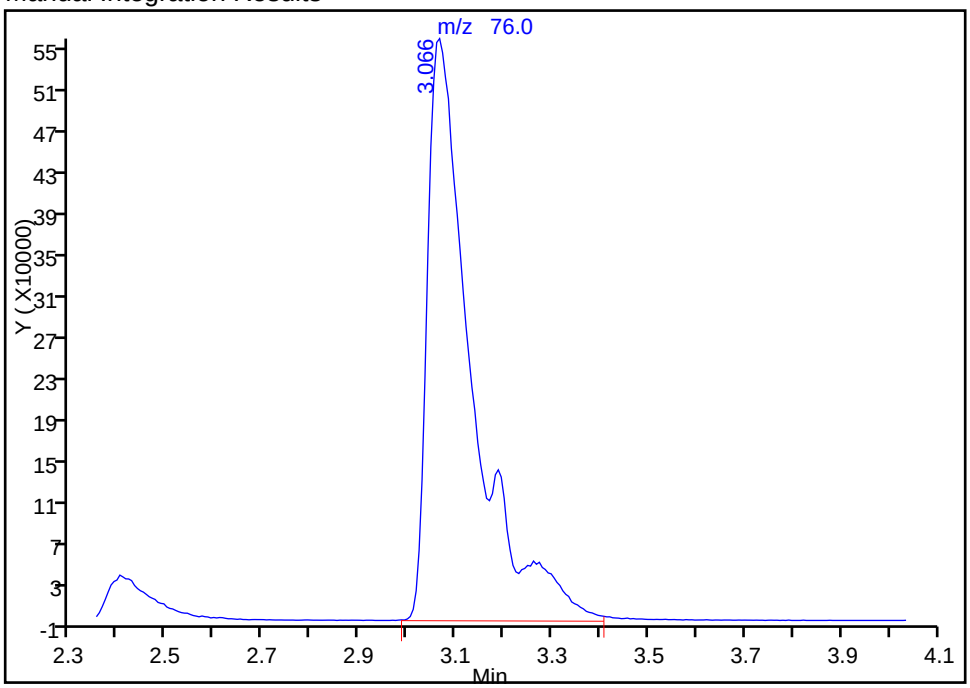
Processing Integration Results

RT: 3.07
Response: 3227434
Amount: 96.033570



Manual Integration Results

RT: 3.07
Response: 3584213
Amount: 104.7955



Reviewer: sobolr, 24-Sep-2014 10:28:57
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

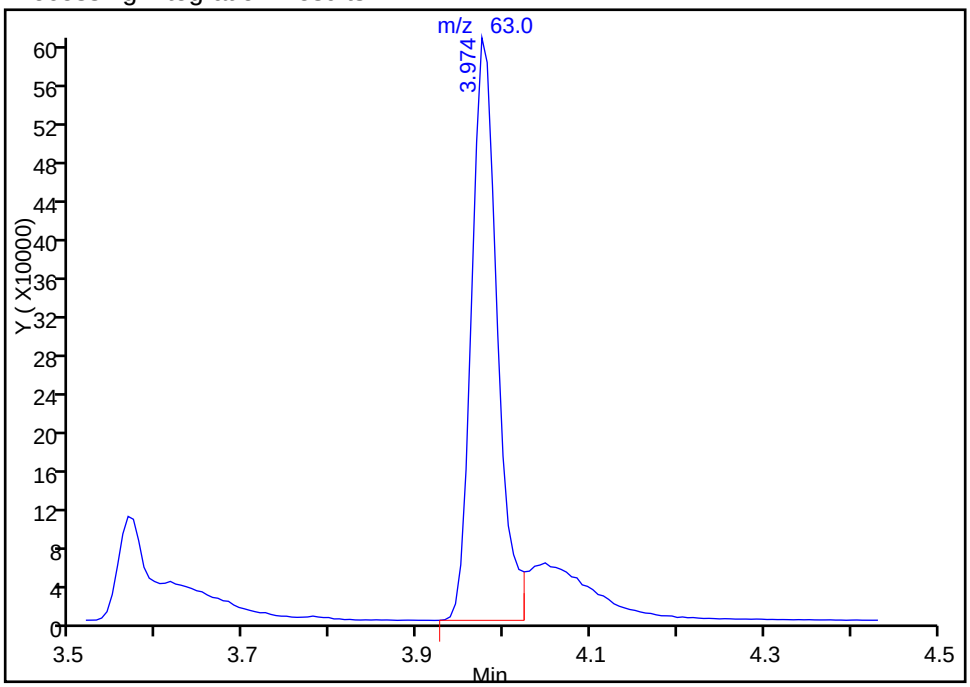
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34238.D
Injection Date: 24-Sep-2014 06:42:30 Instrument ID: HP5973G
Lims ID: IC 6
Client ID:
Operator ID: gtg ALS Bottle#: 13 Worklist Smp#: 11
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

36 1,1-Dichloroethane, CAS: 75-34-3

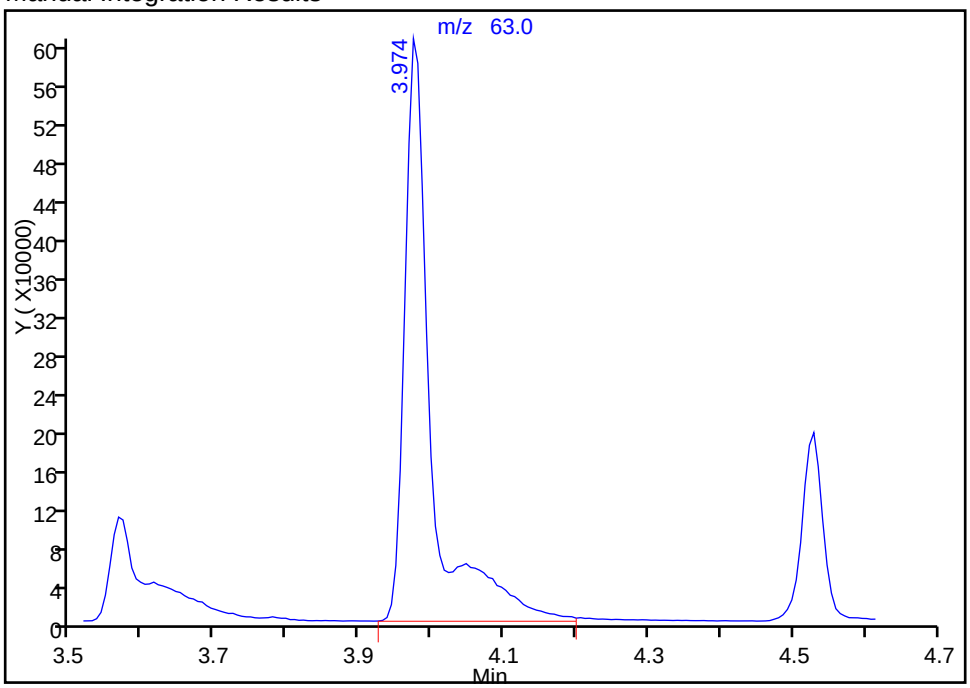
Processing Integration Results

RT: 3.97
Response: 1255714
Amount: 85.602424



Manual Integration Results

RT: 3.97
Response: 1558712
Amount: 102.7216



Reviewer: sobolr, 24-Sep-2014 10:23:59
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

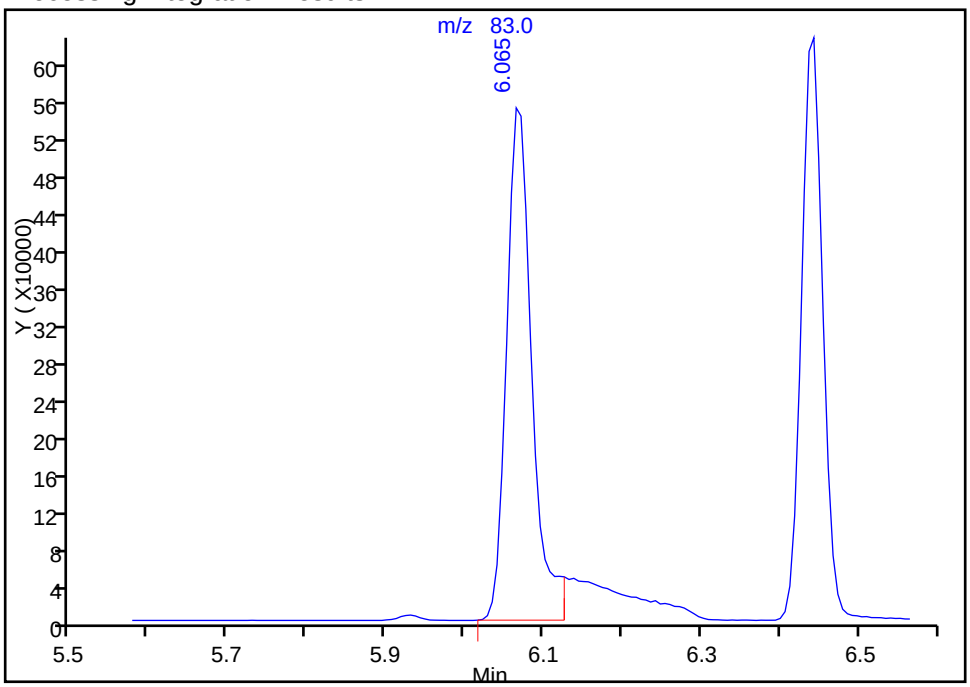
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34238.D
Injection Date: 24-Sep-2014 06:42:30 Instrument ID: HP5973G
Lims ID: IC 6
Client ID:
Operator ID: gtg ALS Bottle#: 13 Worklist Smp#: 11
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

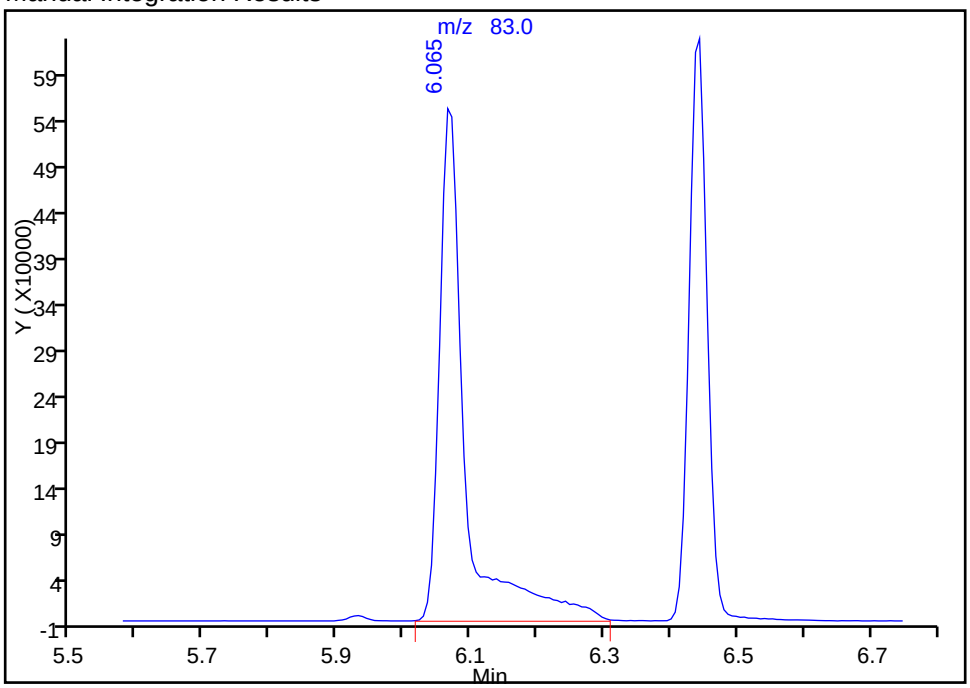
Processing Integration Results

RT: 6.07
Response: 1236412
Amount: 94.468087



Manual Integration Results

RT: 6.07
Response: 1513877
Amount: 111.7204



Reviewer: sobolr, 24-Sep-2014 10:28:57
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab Sample ID: CCVIS 480-202965/3 Calibration Date: 09/17/2014 21:27

Instrument ID: HP5973F Calib Start Date: 09/11/2014 10:42

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 09/11/2014 13:15

Lab File ID: F2178.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	1.944	1.934	0.1000	49.7	50.0	-0.5	50.0
Chloromethane	Ave	1.807	1.741	0.1000	48.2	50.0	-3.7	20.0
Vinyl chloride	Ave	1.789	1.824	0.1000	51.0	50.0	1.9	20.0
Butadiene	Ave	1.642	1.634		49.8	50.0	-0.5	20.0
Bromomethane	Ave	0.8875	0.8465	0.1000	47.7	50.0	-4.6	50.0
Chloroethane	Ave	0.8626	0.8123	0.1000	47.1	50.0	-5.8	50.0
Dichlorofluoromethane	Ave	2.163	2.106		48.7	50.0	-2.6	20.0
Trichlorofluoromethane	Ave	1.742	1.897	0.1000	54.4	50.0	8.9	20.0
Ethyl ether	Ave	1.146	1.156		50.4	50.0	0.9	20.0
Acrolein	Ave	0.2186	0.2472		283	250	13.1	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	1.215	1.319	0.1000	54.3	50.0	8.5	20.0
1,1-Dichloroethene	Ave	1.187	1.266	0.1000	53.3	50.0	6.7	20.0
Acetone	Ave	0.4223	0.4611	0.1000	273	250	9.2	50.0
Iodomethane	Ave	2.146	2.229		51.9	50.0	3.9	20.0
Carbon disulfide	Ave	4.622	4.535	0.1000	49.1	50.0	-1.9	20.0
Methyl acetate	Ave	1.003	1.126	0.1000	281	250	12.3	50.0
Allyl chloride	Ave	2.028	1.925		47.5	50.0	-5.1	20.0
Methylene Chloride	Ave	1.515	1.383	0.1000	45.7	50.0	-8.7	20.0
2-Methyl-2-propanol	Ave	0.1347	0.1617		600	500	20.1	50.0
Methyl tert-butyl ether	Ave	4.068	4.281	0.1000	52.6	50.0	5.2	20.0
trans-1,2-Dichloroethene	Ave	1.339	1.423	0.1000	53.1	50.0	6.2	20.0
Acrylonitrile	Ave	0.4250	0.4917		578	500	15.7	20.0
Hexane	Ave	2.001	1.870		46.7	50.0	-6.6	20.0
Vinyl acetate	Ave	1.657	1.848		111	100	11.5	20.0
1,1-Dichloroethane	Ave	2.308	2.300	0.2000	49.8	50.0	-0.3	20.0
2-Butanone (MEK)	Ave	0.6112	0.6854	0.1000	280	250	12.1	20.0
2,2-Dichloropropane	Ave	1.901	2.066		54.3	50.0	8.7	20.0
cis-1,2-Dichloroethene	Ave	1.452	1.531	0.1000	52.7	50.0	5.4	20.0
Chlorobromomethane	Ave	0.6758	0.7473		55.3	50.0	10.6	20.0
Tetrahydrofuran	Ave	0.3865	0.4402		114	100	13.9	20.0
Chloroform	Ave	2.361	2.455	0.2000	52.0	50.0	4.0	20.0
1,1,1-Trichloroethane	Ave	1.926	2.077	0.1000	53.9	50.0	7.8	20.0
Cyclohexane	Ave	2.075	2.037	0.1000	49.1	50.0	-1.9	20.0
1,1-Dichloropropene	Ave	1.747	1.829		52.3	50.0	4.7	20.0
Carbon tetrachloride	Ave	1.538	1.828	0.1000	59.4	50.0	18.9	20.0
Isobutyl alcohol	Ave	0.0576	0.0693		1500	1250	20.2	50.0
Benzene	Ave	5.380	5.491	0.5000	51.0	50.0	2.1	20.0
1,2-Dichloroethane	Ave	1.866	1.921	0.1000	51.5	50.0	2.9	20.0
n-Heptane	Ave	1.978	1.941		49.1	50.0	-1.9	20.0
Trichloroethene	Ave	1.357	1.441	0.2000	53.1	50.0	6.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab Sample ID: CCVIS 480-202965/3 Calibration Date: 09/17/2014 21:27

Instrument ID: HP5973F Calib Start Date: 09/11/2014 10:42

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 09/11/2014 13:15

Lab File ID: F2178.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	2.314	2.451	0.1000	53.0	50.0	5.9	20.0
1,2-Dichloropropane	Ave	1.253	1.213	0.1000	48.4	50.0	-3.2	20.0
1,4-Dioxane	Ave	0.0062	0.0079		1270	1000	26.7	50.0
Dibromomethane	Ave	0.7816	0.8525	0.1000	54.5	50.0	9.1	20.0
Bromodichloromethane	Ave	1.568	1.770	0.2000	56.4	50.0	12.9	20.0
2-Chloroethyl vinyl ether	Ave	0.7672	0.8268		53.9	50.0	7.8	20.0
cis-1,3-Dichloropropene	Ave	2.024	2.111	0.2000	52.1	50.0	4.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6143	0.6406	0.1000	261	250	4.3	20.0
Toluene	Ave	1.806	1.704	0.4000	47.2	50.0	-5.6	20.0
Ethyl methacrylate	Ave	0.8710	0.8957		51.4	50.0	2.8	20.0
trans-1,3-Dichloropropene	Ave	0.8835	0.9062	0.1000	51.3	50.0	2.6	20.0
1,1,2-Trichloroethane	Ave	0.4687	0.4689	0.1000	50.0	50.0	0.0	20.0
Tetrachloroethene	Ave	0.6982	0.7704	0.2000	55.2	50.0	10.3	20.0
1,3-Dichloropropane	Ave	1.006	0.999		49.6	50.0	-0.8	20.0
2-Hexanone	Ave	0.4422	0.4759	0.1000	269	250	7.6	20.0
Dibromochloromethane	Lin1		0.6022	0.1000	49.3	50.0	-1.4	20.0
1,2-Dibromoethane	Ave	0.5554	0.6007		54.1	50.0	8.2	20.0
Chlorobenzene	Ave	1.844	1.835	0.5000	49.7	50.0	-0.5	20.0
Ethylbenzene	Ave	3.229	3.181	0.1000	49.3	50.0	-1.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5669	0.6154		54.3	50.0	8.5	20.0
m,p-Xylene	Ave	1.256	1.240	0.1000	49.4	50.0	-1.3	20.0
o-Xylene	Ave	1.195	1.182	0.3000	49.4	50.0	-1.2	20.0
Styrene	Ave	2.040	2.060	0.3000	50.5	50.0	1.0	20.0
Bromoform	Lin		0.3876	0.1000	52.5	50.0	5.0	50.0
Isopropylbenzene	Ave	3.319	3.016	0.1000	45.4	50.0	-9.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7710	0.7523	0.3000	48.8	50.0	-2.4	20.0
Bromobenzene	Ave	0.8488	0.8046		47.4	50.0	-5.2	20.0
N-Propylbenzene	Ave	4.026	3.636		45.2	50.0	-9.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2270	0.2273		50.1	50.0	0.1	50.0
1,2,3-Trichloropropane	Ave	0.2407	0.2443		50.7	50.0	1.5	20.0
2-Chlorotoluene	Ave	0.7838	0.7279		46.4	50.0	-7.1	20.0
1,3,5-Trimethylbenzene	Ave	2.803	2.552		45.5	50.0	-9.0	20.0
4-Chlorotoluene	Ave	0.8223	0.7564		46.0	50.0	-8.0	20.0
tert-Butylbenzene	Ave	0.6240	0.5824		46.7	50.0	-6.7	20.0
1,2,4-Trimethylbenzene	Ave	2.901	2.639		45.5	50.0	-9.0	20.0
sec-Butylbenzene	Ave	3.544	3.262		46.0	50.0	-8.0	20.0
4-Isopropyltoluene	Ave	3.106	2.915		46.9	50.0	-6.1	20.0
1,3-Dichlorobenzene	Ave	1.625	1.539	0.6000	47.4	50.0	-5.3	20.0
1,4-Dichlorobenzene	Ave	1.650	1.552	0.5000	47.0	50.0	-5.9	20.0
n-Butylbenzene	Ave	2.839	2.633		46.4	50.0	-7.3	20.0
1,2-Dichlorobenzene	Ave	1.545	1.439	0.4000	46.6	50.0	-6.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab Sample ID: CCVIS 480-202965/3 Calibration Date: 09/17/2014 21:27

Instrument ID: HP5973F Calib Start Date: 09/11/2014 10:42

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 09/11/2014 13:15

Lab File ID: F2178.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	Lin1		0.1388	0.0500	48.9	50.0	-2.3	50.0
1,2,4-Trichlorobenzene	Ave	1.039	1.053	0.2000	50.7	50.0	1.4	20.0
Hexachlorobutadiene	Ave	0.6033	0.6268		51.9	50.0	3.9	20.0
Naphthalene	Ave	2.455	2.495		50.8	50.0	1.6	20.0
1,2,3-Trichlorobenzene	Ave	0.9586	0.9752		50.9	50.0	1.7	20.0
Dibromofluoromethane (Surr)	Ave	1.025	1.098		53.6	50.0	7.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.6483	0.6867		53.0	50.0	5.9	20.0
Toluene-d8 (Surr)	Ave	2.048	1.999		48.8	50.0	-2.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6355	0.6992		55.0	50.0	10.0	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2178.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Sep-2014 21:27:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0035460-003480-0035460-003
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Sep-2014 21:49:37 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK049

First Level Reviewer: cwiklinc Date: 17-Sep-2014 21:49:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	99	123603	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	85	258019	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	94	265648	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.915	4.915	0.000	93	135768	50.0	53.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	84882	50.0	53.0	
$ 5 Toluene-d8 (Surr)	98	6.825	6.825	0.000	93	515690	50.0	48.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.484	9.484	0.000	91	180413	50.0	55.0	
10 Dichlorodifluoromethane	85	1.934	1.934	0.000	99	239038	50.0	49.7	
12 Chloromethane	50	2.098	2.098	0.000	100	215173	50.0	48.2	
13 Vinyl chloride	62	2.208	2.208	0.000	98	225451	50.0	51.0	
151 Butadiene	54	2.220	2.220	0.000	92	201953	50.0	49.8	
14 Bromomethane	94	2.500	2.500	0.000	91	104627	50.0	47.7	
15 Chloroethane	64	2.567	2.567	0.000	100	100400	50.0	47.1	
16 Dichlorofluoromethane	67	2.743	2.743	0.000	99	260293	50.0	48.7	
17 Trichlorofluoromethane	101	2.780	2.780	0.000	100	234461	50.0	54.4	
18 Ethyl ether	59	2.956	2.956	0.000	89	142859	50.0	50.4	
20 Acrolein	56	3.114	3.114	0.000	99	152741	250.0	282.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.157	3.157	0.000	92	162979	50.0	54.3	
22 1,1-Dichloroethene	96	3.187	3.187	0.000	99	156479	50.0	53.3	
23 Acetone	43	3.224	3.224	0.000	99	284955	250.0	273.0	
25 Iodomethane	142	3.339	3.339	0.000	100	275480	50.0	51.9	
26 Carbon disulfide	76	3.394	3.394	0.000	99	560519	50.0	49.1	
27 Methyl acetate	43	3.443	3.443	0.000	97	695607	250.0	280.7	
28 3-Chloro-1-propene	41	3.449	3.449	0.000	86	237972	50.0	47.5	
30 Methylene Chloride	84	3.564	3.564	0.000	86	170971	50.0	45.7	
31 2-Methyl-2-propanol	59	3.607	3.607	0.000	99	199905	500.0	600.3	
32 Methyl tert-butyl ether	73	3.716	3.716	0.000	93	529107	50.0	52.6	
34 trans-1,2-Dichloroethene	96	3.753	3.753	0.000	98	175857	50.0	53.1	
33 Acrylonitrile	53	3.765	3.765	0.000	99	607725	500.0	578.5	
35 Hexane	57	3.887	3.887	0.000	93	231156	50.0	46.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.069	4.069	0.000	97	456830	100.0	111.5	
39 1,1-Dichloroethane	63	4.081	4.081	0.000	96	284343	50.0	49.8	
43 2-Butanone (MEK)	43	4.526	4.526	0.000	98	423601	250.0	280.3	
44 2,2-Dichloropropane	77	4.532	4.532	0.000	89	255355	50.0	54.3	
45 cis-1,2-Dichloroethene	96	4.538	4.538	0.000	83	189252	50.0	52.7	
48 Chlorobromomethane	128	4.745	4.745	0.000	86	92371	50.0	55.3	
49 Tetrahydrofuran	42	4.763	4.763	0.000	83	108828	100.0	113.9	
50 Chloroform	83	4.781	4.781	0.000	96	303435	50.0	52.0	
51 1,1,1-Trichloroethane	97	4.927	4.927	0.000	98	256735	50.0	53.9	
52 Cyclohexane	56	4.957	4.957	0.000	88	251741	50.0	49.1	
54 1,1-Dichloropropene	75	5.043	5.043	0.000	95	226114	50.0	52.3	
55 Carbon tetrachloride	117	5.055	5.055	0.000	98	225996	50.0	59.4	
53 Isobutyl alcohol	43	5.097	5.097	0.000	92	214067	1250.0	1502.5	
57 Benzene	78	5.231	5.231	0.000	95	678653	50.0	51.0	
58 1,2-Dichloroethane	62	5.268	5.268	0.000	98	237379	50.0	51.5	
59 n-Heptane	43	5.316	5.316	0.000	88	239878	50.0	49.1	
62 Trichloroethene	95	5.748	5.748	0.000	97	178113	50.0	53.1	
64 Methylcyclohexane	83	5.888	5.888	0.000	87	302946	50.0	53.0	
65 1,2-Dichloropropane	63	5.973	5.973	0.000	90	149900	50.0	48.4	
66 1,4-Dioxane	88	6.077	6.077	0.000	89	40649	1000.0	1266.6	
67 Dibromomethane	93	6.101	6.101	0.000	95	105374	50.0	54.5	
68 Dichlorobromomethane	83	6.217	6.217	0.000	99	218790	50.0	56.4	
69 2-Chloroethyl vinyl ether	63	6.424	6.424	0.000	94	102196	50.0	53.9	
72 cis-1,3-Dichloropropene	75	6.594	6.594	0.000	95	260911	50.0	52.1	
73 4-Methyl-2-pentanone (MIBK	43	6.691	6.691	0.000	95	826488	250.0	260.7	
74 Toluene	92	6.886	6.886	0.000	98	439743	50.0	47.2	
75 Ethyl methacrylate	69	7.105	7.105	0.000	87	231108	50.0	51.4	
77 trans-1,3-Dichloropropene	75	7.111	7.111	0.000	94	233825	50.0	51.3	
79 1,1,2-Trichloroethane	83	7.306	7.306	0.000	92	120981	50.0	50.0	
81 Tetrachloroethene	166	7.409	7.409	0.000	98	198768	50.0	55.2	
82 1,3-Dichloropropane	76	7.470	7.470	0.000	95	257646	50.0	49.6	
80 2-Hexanone	43	7.482	7.482	0.000	94	613892	250.0	269.0	
83 Chlorodibromomethane	129	7.713	7.713	0.000	89	155390	50.0	49.3	
84 Ethylene Dibromide	107	7.847	7.847	0.000	99	154990	50.0	54.1	
87 Chlorobenzene	112	8.297	8.297	0.000	95	473493	50.0	49.7	
88 Ethylbenzene	91	8.358	8.358	0.000	98	820754	50.0	49.3	
89 1,1,1,2-Tetrachloroethane	131	8.370	8.370	0.000	94	158773	50.0	54.3	
90 m-Xylene & p-Xylene	106	8.474	8.474	0.000	0	319994	50.0	49.4	
91 o-Xylene	106	8.906	8.906	0.000	97	304880	50.0	49.4	
92 Styrene	104	8.930	8.930	0.000	94	531457	50.0	50.5	
95 Bromoform	173	9.204	9.204	0.000	97	99994	50.0	52.5	
94 Isopropylbenzene	105	9.271	9.271	0.000	96	801187	50.0	45.4	
97 1,1,2,2-Tetrachloroethane	83	9.648	9.648	0.000	97	199857	50.0	48.8	
101 Bromobenzene	156	9.654	9.654	0.000	92	213733	50.0	47.4	
98 trans-1,4-Dichloro-2-buten	53	9.690	9.690	0.000	60	60381	50.0	50.1	
99 N-Propylbenzene	91	9.690	9.690	0.000	98	965865	50.0	45.2	
100 1,2,3-Trichloropropane	110	9.703	9.703	0.000	83	64899	50.0	50.7	
103 2-Chlorotoluene	126	9.824	9.824	0.000	97	193374	50.0	46.4	
102 1,3,5-Trimethylbenzene	105	9.855	9.855	0.000	94	678001	50.0	45.5	
105 4-Chlorotoluene	126	9.928	9.928	0.000	98	200939	50.0	46.0	
106 tert-Butylbenzene	134	10.177	10.177	0.000	92	154715	50.0	46.7	
107 1,2,4-Trimethylbenzene	105	10.226	10.226	0.000	97	701146	50.0	45.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.378	10.378	0.000	94	866587	50.0	46.0	
110 4-Isopropyltoluene	119	10.506	10.506	0.000	96	774373	50.0	46.9	
111 1,3-Dichlorobenzene	146	10.542	10.542	0.000	97	408807	50.0	47.4	
113 1,4-Dichlorobenzene	146	10.621	10.621	0.000	96	412262	50.0	47.0	
115 n-Butylbenzene	91	10.877	10.877	0.000	97	699467	50.0	46.4	
116 1,2-Dichlorobenzene	146	10.962	10.962	0.000	97	382253	50.0	46.6	
117 1,2-Dibromo-3-Chloropropan	75	11.643	11.643	0.000	91	36860	50.0	48.9	
119 1,2,4-Trichlorobenzene	180	12.282	12.282	0.000	94	279841	50.0	50.7	
120 Hexachlorobutadiene	225	12.379	12.379	0.000	97	166497	50.0	51.9	
121 Naphthalene	128	12.513	12.513	0.000	97	662808	50.0	50.8	
122 1,2,3-Trichlorobenzene	180	12.726	12.726	0.000	96	259051	50.0	50.9	
S 123 Total BTEX	1				0			246.3	
S 124 Xylenes, Total	1				0			98.8	
S 125 1,2-Dichloroethene, Total	1				0			105.8	
S 126 1,3-Dichloropropene, Total	1				0			103.4	

Reagents:

8260 CORP mix_00020	Amount Added: 25.00	Units: uL	
GAS CORP mix_00046	Amount Added: 25.00	Units: uL	
F 8260 SURR_00109	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00268	Amount Added: 1.00	Units: uL	Run Reagent

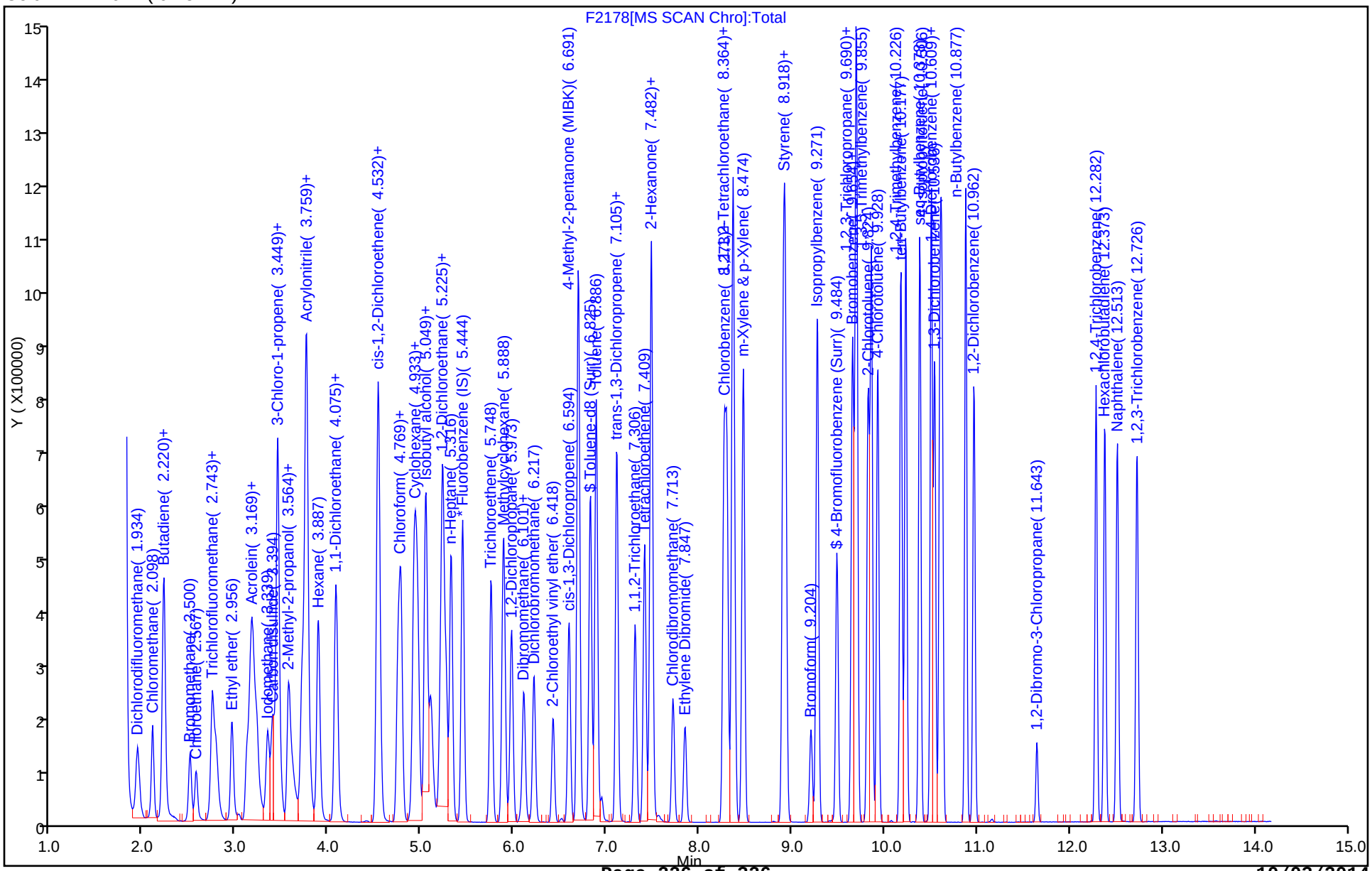
Report Date: 17-Sep-2014 21:49:38 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2178.D

Injection Date:	17-Sep-2014 21:27:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab Sample ID: CCVIS 480-203192/4 Calibration Date: 09/18/2014 21:56

Instrument ID: HP5973F Calib Start Date: 09/11/2014 10:42

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 09/11/2014 13:15

Lab File ID: F2207.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	1.944	2.193	0.1000	56.4	50.0	12.8	50.0
Chloromethane	Ave	1.807	1.873	0.1000	51.8	50.0	3.6	20.0
Vinyl chloride	Ave	1.789	1.995	0.1000	55.7	50.0	11.5	20.0
Butadiene	Ave	1.642	1.809		55.1	50.0	10.2	20.0
Bromomethane	Ave	0.8875	0.9850	0.1000	55.5	50.0	11.0	50.0
Chloroethane	Ave	0.8626	0.9333	0.1000	54.1	50.0	8.2	50.0
Dichlorofluoromethane	Ave	2.163	2.402		55.5	50.0	11.0	20.0
Trichlorofluoromethane	Ave	1.742	2.148	0.1000	61.7	50.0	23.3*	20.0
Ethyl ether	Ave	1.146	1.174		51.2	50.0	2.5	20.0
Acrolein	Ave	0.2186	0.2409		276	250	10.2	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	1.215	1.382	0.1000	56.9	50.0	13.7	20.0
1,1-Dichloroethene	Ave	1.187	1.338	0.1000	56.4	50.0	12.7	20.0
Acetone	Ave	0.4223	0.4516	0.1000	267	250	7.0	50.0
Iodomethane	Ave	2.146	2.363		55.1	50.0	10.1	20.0
Carbon disulfide	Ave	4.622	4.797	0.1000	51.9	50.0	3.8	20.0
Allyl chloride	Ave	2.028	2.033		50.1	50.0	0.2	20.0
Methyl acetate	Ave	1.003	1.089	0.1000	272	250	8.6	50.0
Methylene Chloride	Ave	1.515	1.472	0.1000	48.6	50.0	-2.8	20.0
2-Methyl-2-propanol	Ave	0.1347	0.1598		593	500	18.6	50.0
Methyl tert-butyl ether	Ave	4.068	4.504	0.1000	55.4	50.0	10.7	20.0
trans-1,2-Dichloroethene	Ave	1.339	1.500	0.1000	56.0	50.0	12.0	20.0
Acrylonitrile	Ave	0.4250	0.4828		568	500	13.6	20.0
Hexane	Ave	2.001	1.972		49.3	50.0	-1.4	20.0
Vinyl acetate	Ave	1.657	1.901		115	100	14.7	20.0
1,1-Dichloroethane	Ave	2.308	2.440	0.2000	52.9	50.0	5.7	20.0
2-Butanone (MEK)	Ave	0.6112	0.6630	0.1000	271	250	8.5	20.0
2,2-Dichloropropane	Ave	1.901	2.237		58.8	50.0	17.7	20.0
cis-1,2-Dichloroethene	Ave	1.452	1.605	0.1000	55.3	50.0	10.5	20.0
Chlorobromomethane	Ave	0.6758	0.7787		57.6	50.0	15.2	20.0
Tetrahydrofuran	Ave	0.3865	0.4254		110	100	10.1	20.0
Chloroform	Ave	2.361	2.586	0.2000	54.7	50.0	9.5	20.0
1,1,1-Trichloroethane	Ave	1.926	2.220	0.1000	57.6	50.0	15.3	20.0
Cyclohexane	Ave	2.075	2.176	0.1000	52.4	50.0	4.9	20.0
1,1-Dichloropropene	Ave	1.747	1.960		56.1	50.0	12.2	20.0
Carbon tetrachloride	Ave	1.538	1.948	0.1000	63.3	50.0	26.6*	20.0
Isobutyl alcohol	Ave	0.0576	0.0674		1460	1250	17.0	50.0
Benzene	Ave	5.380	5.793	0.5000	53.8	50.0	7.7	20.0
1,2-Dichloroethane	Ave	1.866	1.998	0.1000	53.5	50.0	7.0	20.0
n-Heptane	Ave	1.978	2.098		53.0	50.0	6.1	20.0
Trichloroethene	Ave	1.357	1.528	0.2000	56.3	50.0	12.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab Sample ID: CCVIS 480-203192/4 Calibration Date: 09/18/2014 21:56

Instrument ID: HP5973F Calib Start Date: 09/11/2014 10:42

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 09/11/2014 13:15

Lab File ID: F2207.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	2.314	2.640	0.1000	57.0	50.0	14.1	20.0
1,2-Dichloropropane	Ave	1.253	1.297	0.1000	51.8	50.0	3.5	20.0
1,4-Dioxane	Ave	0.0062	0.0071		1150	1000	14.6	50.0
Dibromomethane	Ave	0.7816	0.8821	0.1000	56.4	50.0	12.9	20.0
Bromodichloromethane	Ave	1.568	1.873	0.2000	59.7	50.0	19.4	20.0
2-Chloroethyl vinyl ether	Ave	0.7672	0.8472		55.2	50.0	10.4	20.0
cis-1,3-Dichloropropene	Ave	2.024	2.235	0.2000	55.2	50.0	10.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6143	0.5889	0.1000	240	250	-4.1	20.0
Toluene	Ave	1.806	1.691	0.4000	46.8	50.0	-6.4	20.0
Ethyl methacrylate	Ave	0.8710	0.8574		49.2	50.0	-1.6	20.0
trans-1,3-Dichloropropene	Ave	0.8835	0.8874	0.1000	50.2	50.0	0.4	20.0
1,1,2-Trichloroethane	Ave	0.4687	0.4575	0.1000	48.8	50.0	-2.4	20.0
Tetrachloroethene	Ave	0.6982	0.7649	0.2000	54.8	50.0	9.6	20.0
1,3-Dichloropropane	Ave	1.006	0.9688		48.1	50.0	-3.7	20.0
2-Hexanone	Ave	0.4422	0.4404	0.1000	249	250	-0.4	20.0
Dibromochloromethane	Lin1		0.6017	0.1000	49.3	50.0	-1.5	20.0
1,2-Dibromoethane	Ave	0.5554	0.5783		52.1	50.0	4.1	20.0
Chlorobenzene	Ave	1.844	1.817	0.5000	49.3	50.0	-1.5	20.0
Ethylbenzene	Ave	3.229	3.171	0.1000	49.1	50.0	-1.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5669	0.6135		54.1	50.0	8.2	20.0
m,p-Xylene	Ave	1.256	1.232	0.1000	49.0	50.0	-1.9	20.0
o-Xylene	Ave	1.195	1.183	0.3000	49.5	50.0	-1.1	20.0
Styrene	Ave	2.040	2.034	0.3000	49.9	50.0	-0.3	20.0
Bromoform	Lin		0.3802	0.1000	51.6	50.0	3.2	50.0
Isopropylbenzene	Ave	3.319	2.996	0.1000	45.1	50.0	-9.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7710	0.6984	0.3000	45.3	50.0	-9.4	20.0
Bromobenzene	Ave	0.8488	0.7967		46.9	50.0	-6.1	20.0
N-Propylbenzene	Ave	4.026	3.615		44.9	50.0	-10.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2270	0.2117		46.6	50.0	-6.7	50.0
1,2,3-Trichloropropane	Ave	0.2407	0.2269		47.1	50.0	-5.8	20.0
2-Chlorotoluene	Ave	0.7838	0.7143		45.6	50.0	-8.9	20.0
1,3,5-Trimethylbenzene	Ave	2.803	2.532		45.2	50.0	-9.7	20.0
4-Chlorotoluene	Ave	0.8223	0.7544		45.9	50.0	-8.3	20.0
tert-Butylbenzene	Ave	0.6240	0.5715		45.8	50.0	-8.4	20.0
1,2,4-Trimethylbenzene	Ave	2.901	2.599		44.8	50.0	-10.4	20.0
sec-Butylbenzene	Ave	3.544	3.237		45.7	50.0	-8.7	20.0
4-Isopropyltoluene	Ave	3.106	2.900		46.7	50.0	-6.6	20.0
1,3-Dichlorobenzene	Ave	1.625	1.518	0.6000	46.7	50.0	-6.6	20.0
1,4-Dichlorobenzene	Ave	1.650	1.531	0.5000	46.4	50.0	-7.2	20.0
n-Butylbenzene	Ave	2.839	2.625		46.2	50.0	-7.5	20.0
1,2-Dichlorobenzene	Ave	1.545	1.419	0.4000	45.9	50.0	-8.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab Sample ID: CCVIS 480-203192/4 Calibration Date: 09/18/2014 21:56

Instrument ID: HP5973F Calib Start Date: 09/11/2014 10:42

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 09/11/2014 13:15

Lab File ID: F2207.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	Lin1		0.1278	0.0500	45.2	50.0	-9.7	50.0
1,2,4-Trichlorobenzene	Ave	1.039	1.034	0.2000	49.8	50.0	-0.5	20.0
Hexachlorobutadiene	Ave	0.6033	0.6341		52.5	50.0	5.1	20.0
Naphthalene	Ave	2.455	2.328		47.4	50.0	-5.2	20.0
1,2,3-Trichlorobenzene	Ave	0.9586	0.9472		49.4	50.0	-1.2	20.0
Dibromofluoromethane (Surr)	Ave	1.025	1.174		57.3	50.0	14.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.6483	0.7227		55.7	50.0	11.5	20.0
Toluene-d8 (Surr)	Ave	2.048	1.980		48.3	50.0	-3.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6355	0.7013		55.2	50.0	10.4	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F2207.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Sep-2014 21:56:30 ALS Bottle#: 1 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2014 22:18:46 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: cwiklinc Date: 18-Sep-2014 22:18:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	99	115555	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	86	257841	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	94	267864	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.915	4.915	0.000	93	135711	50.0	57.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	83516	50.0	55.7	
$ 5 Toluene-d8 (Surr)	98	6.819	6.819	0.000	93	510409	50.0	48.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.484	9.484	0.000	91	180826	50.0	55.2	
10 Dichlorodifluoromethane	85	1.934	1.934	0.000	99	253387	50.0	56.4	
12 Chloromethane	50	2.092	2.092	0.000	100	216383	50.0	51.8	
13 Vinyl chloride	62	2.202	2.202	0.000	98	230544	50.0	55.7	
151 Butadiene	54	2.220	2.220	0.000	92	209091	50.0	55.1	
14 Bromomethane	94	2.500	2.500	0.000	90	113821	50.0	55.5	
15 Chloroethane	64	2.567	2.567	0.000	99	107850	50.0	54.1	
16 Dichlorofluoromethane	67	2.737	2.737	0.000	99	277535	50.0	55.5	
17 Trichlorofluoromethane	101	2.774	2.774	0.000	100	248235	50.0	61.7	
18 Ethyl ether	59	2.950	2.950	0.000	89	135643	50.0	51.2	
20 Acrolein	56	3.108	3.108	0.000	99	139190	250.0	275.5	
21 1,1,2-Trichloro-1,2,2-trif	101	3.151	3.151	0.000	92	159667	50.0	56.9	
22 1,1-Dichloroethene	96	3.181	3.181	0.000	99	154583	50.0	56.4	
23 Acetone	43	3.218	3.218	0.000	99	260928	250.0	267.4	
25 Iodomethane	142	3.339	3.339	0.000	99	273082	50.0	55.1	
26 Carbon disulfide	76	3.394	3.394	0.000	99	554321	50.0	51.9	
28 3-Chloro-1-propene	41	3.443	3.443	0.000	90	234906	50.0	50.1	
27 Methyl acetate	43	3.443	3.443	0.000	97	629155	250.0	271.5	
30 Methylene Chloride	84	3.565	3.565	0.000	86	170113	50.0	48.6	
31 2-Methyl-2-propanol	59	3.607	3.607	0.000	100	184598	500.0	593.0	
32 Methyl tert-butyl ether	73	3.711	3.711	0.000	93	520460	50.0	55.4	
34 trans-1,2-Dichloroethene	96	3.747	3.747	0.000	98	173332	50.0	56.0	
33 Acrylonitrile	53	3.759	3.759	0.000	100	557886	500.0	568.0	
35 Hexane	57	3.881	3.881	0.000	93	227931	50.0	49.3	
37 Vinyl acetate	43	4.063	4.063	0.000	97	439376	100.0	114.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
39 1,1-Dichloroethane	63	4.082	4.082	0.000	97	281929	50.0	52.9	
43 2-Butanone (MEK)	43	4.520	4.520	0.000	98	383069	250.0	271.2	
44 2,2-Dichloropropane	77	4.526	4.526	0.000	87	258495	50.0	58.8	
45 cis-1,2-Dichloroethene	96	4.532	4.532	0.000	83	185504	50.0	55.3	
48 Chlorobromomethane	128	4.739	4.739	0.000	91	89985	50.0	57.6	
49 Tetrahydrofuran	42	4.757	4.757	0.000	82	98323	100.0	110.1	
50 Chloroform	83	4.775	4.775	0.000	95	298777	50.0	54.7	
51 1,1,1-Trichloroethane	97	4.921	4.921	0.000	98	256518	50.0	57.6	
52 Cyclohexane	56	4.952	4.952	0.000	88	251471	50.0	52.4	
54 1,1-Dichloropropene	75	5.037	5.037	0.000	97	226518	50.0	56.1	
55 Carbon tetrachloride	117	5.049	5.049	0.000	99	225144	50.0	63.3	
53 Isobutyl alcohol	43	5.098	5.098	0.000	92	194796	1250.0	1462.5	
57 Benzene	78	5.225	5.225	0.000	95	669376	50.0	53.8	
58 1,2-Dichloroethane	62	5.262	5.262	0.000	97	230843	50.0	53.5	
59 n-Heptane	43	5.317	5.317	0.000	89	242403	50.0	53.0	
62 Trichloroethene	95	5.749	5.749	0.000	97	176525	50.0	56.3	
64 Methylcyclohexane	83	5.882	5.882	0.000	87	305014	50.0	57.0	
65 1,2-Dichloropropane	63	5.968	5.968	0.000	91	149886	50.0	51.8	
66 1,4-Dioxane	88	6.077	6.077	0.000	91	36748	1000.0	1145.8	
67 Dibromomethane	93	6.101	6.101	0.000	94	101932	50.0	56.4	
68 Dichlorobromomethane	83	6.211	6.211	0.000	99	216397	50.0	59.7	
69 2-Chloroethyl vinyl ether	63	6.418	6.418	0.000	94	97894	50.0	55.2	
72 cis-1,3-Dichloropropene	75	6.588	6.588	0.000	95	258264	50.0	55.2	
73 4-Methyl-2-pentanone (MIBK	43	6.691	6.691	0.000	95	759243	250.0	239.7	
74 Toluene	92	6.886	6.886	0.000	99	436080	50.0	46.8	
75 Ethyl methacrylate	69	7.105	7.105	0.000	88	221078	50.0	49.2	
77 trans-1,3-Dichloropropene	75	7.105	7.105	0.000	94	228819	50.0	50.2	
79 1,1,2-Trichloroethane	83	7.306	7.306	0.000	92	117958	50.0	48.8	
81 Tetrachloroethene	166	7.409	7.409	0.000	99	197230	50.0	54.8	
82 1,3-Dichloropropane	76	7.470	7.470	0.000	95	249807	50.0	48.1	
80 2-Hexanone	43	7.482	7.482	0.000	93	567763	250.0	249.0	
83 Chlorodibromomethane	129	7.714	7.714	0.000	89	155136	50.0	49.3	
84 Ethylene Dibromide	107	7.841	7.841	0.000	98	149105	50.0	52.1	
87 Chlorobenzene	112	8.291	8.291	0.000	98	468455	50.0	49.3	
88 Ethylbenzene	91	8.358	8.358	0.000	98	817737	50.0	49.1	
89 1,1,1,2-Tetrachloroethane	131	8.371	8.371	0.000	94	158183	50.0	54.1	
90 m-Xylene & p-Xylene	106	8.474	8.474	0.000	0	317641	50.0	49.0	
91 o-Xylene	106	8.906	8.906	0.000	96	304943	50.0	49.5	
92 Styrene	104	8.930	8.930	0.000	94	524554	50.0	49.9	
95 Bromoform	173	9.204	9.204	0.000	97	98023	50.0	51.6	
94 Isopropylbenzene	105	9.271	9.271	0.000	96	802624	50.0	45.1	
97 1,1,2,2-Tetrachloroethane	83	9.648	9.648	0.000	98	187069	50.0	45.3	
101 Bromobenzene	156	9.654	9.654	0.000	91	213415	50.0	46.9	
98 trans-1,4-Dichloro-2-buten	53	9.691	9.691	0.000	61	56713	50.0	46.6	
99 N-Propylbenzene	91	9.691	9.691	0.000	99	968439	50.0	44.9	
100 1,2,3-Trichloropropane	110	9.697	9.697	0.000	85	60775	50.0	47.1	
103 2-Chlorotoluene	126	9.818	9.818	0.000	96	191344	50.0	45.6	
102 1,3,5-Trimethylbenzene	105	9.855	9.855	0.000	94	678277	50.0	45.2	
105 4-Chlorotoluene	126	9.928	9.928	0.000	98	202086	50.0	45.9	
106 tert-Butylbenzene	134	10.177	10.177	0.000	91	153080	50.0	45.8	
107 1,2,4-Trimethylbenzene	105	10.226	10.226	0.000	96	696150	50.0	44.8	
109 sec-Butylbenzene	105	10.378	10.378	0.000	94	867109	50.0	45.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
110 4-Isopropyltoluene	119	10.500	10.500	0.000	96	776698	50.0	46.7	
111 1,3-Dichlorobenzene	146	10.536	10.536	0.000	97	406710	50.0	46.7	
113 1,4-Dichlorobenzene	146	10.621	10.621	0.000	95	410178	50.0	46.4	
115 n-Butylbenzene	91	10.877	10.877	0.000	98	703231	50.0	46.2	
116 1,2-Dichlorobenzene	146	10.962	10.962	0.000	98	380167	50.0	45.9	
117 1,2-Dibromo-3-Chloropropan	75	11.643	11.643	0.000	85	34238	50.0	45.2	
119 1,2,4-Trichlorobenzene	180	12.282	12.282	0.000	94	277064	50.0	49.8	
120 Hexachlorobutadiene	225	12.374	12.374	0.000	97	169839	50.0	52.5	
121 Naphthalene	128	12.513	12.513	0.000	97	623523	50.0	47.4	
122 1,2,3-Trichlorobenzene	180	12.726	12.726	0.000	96	253722	50.0	49.4	
S 125 1,2-Dichloroethene, Total	1				0			111.3	
S 126 1,3-Dichloropropene, Total	1				0			105.4	
S 123 Total BTEX	1				0			248.3	
S 124 Xylenes, Total	1				0			98.5	

Reagents:

8260 CORP mix_00020	Amount Added: 25.00	Units: uL	
GAS CORP mix_00047	Amount Added: 25.00	Units: uL	
F 8260 SURR_00109	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00268	Amount Added: 1.00	Units: uL	Run Reagent

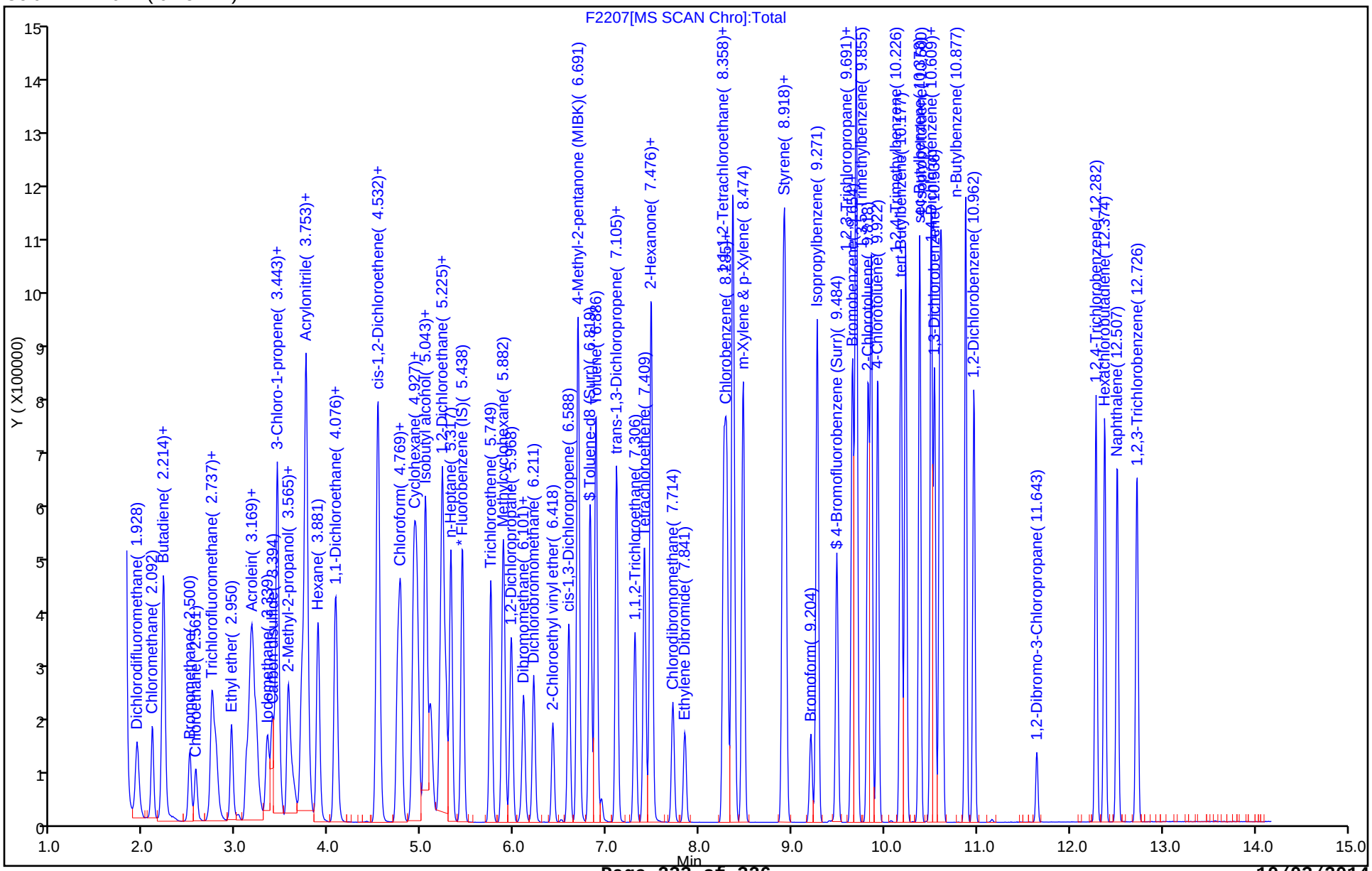
Report Date: 18-Sep-2014 22:18:47 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F2207.D

Injection Date:	18-Sep-2014 21:56:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab Sample ID: CCVIS 480-204342/2 Calibration Date: 09/25/2014 11:32

Instrument ID: HP5973G Calib Start Date: 09/24/2014 04:27

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 09/24/2014 06:42

Lab File ID: G34292.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	2.153	1.823	0.1000	21.2	25.0	-15.3	50.0
Chloromethane	Ave	1.628	1.517	0.1000	23.3	25.0	-6.8	20.0
Vinyl chloride	Ave	1.755	1.649	0.1000	23.5	25.0	-6.0	20.0
Butadiene	Ave	1.413	1.431		25.3	25.0	1.3	20.0
Bromomethane	Qua		0.4934	0.1000	23.5	25.0	-6.0	50.0
Chloroethane	Ave	1.030	1.015	0.1000	24.6	25.0	-1.5	50.0
Dichlorofluoromethane	Ave	2.012	2.112		26.2	25.0	5.0	20.0
Trichlorofluoromethane	Ave	2.170	2.167	0.1000	25.0	25.0	-0.1	20.0
Ethyl ether	Ave	1.070	1.085		25.4	25.0	1.4	20.0
Acrolein	Ave	0.1667	0.1685		126	125	1.1	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	1.369	1.435	0.1000	26.2	25.0	4.8	20.0
1,1-Dichloroethene	Ave	1.705	1.682	0.1000	24.7	25.0	-1.4	20.0
Acetone	Ave	0.4990	0.5615	0.1000	141	125	12.5	50.0
Iodomethane	Ave	1.800	1.959		27.2	25.0	8.8	20.0
Carbon disulfide	Ave	5.033	4.799	0.1000	23.8	25.0	-4.7	20.0
Allyl chloride	Ave	1.662	1.789		26.9	25.0	7.6	20.0
Methyl acetate	Ave	1.242	1.303	0.1000	131	125	4.9	50.0
Methylene Chloride	Ave	1.714	1.608	0.1000	23.5	25.0	-6.2	20.0
2-Methyl-2-propanol	Ave	0.2102	0.2018		240	250	-4.0	50.0
Methyl tert-butyl ether	Ave	4.279	4.349	0.1000	25.4	25.0	1.6	20.0
trans-1,2-Dichloroethene	Ave	1.356	1.354	0.1000	25.0	25.0	-0.2	20.0
Acrylonitrile	Ave	0.5505	0.5947		270	250	8.0	20.0
Hexane	Ave	1.816	1.765		24.3	25.0	-2.8	20.0
1,1-Dichloroethane	Ave	2.233	2.084	0.2000	23.3	25.0	-6.7	20.0
Vinyl acetate	Ave	1.680	1.858		55.3	50.0	10.6	20.0
2,2-Dichloropropane	Ave	0.8042	0.8240		25.6	25.0	2.5	20.0
cis-1,2-Dichloroethene	Ave	1.274	1.334	0.1000	26.2	25.0	4.7	20.0
2-Butanone (MEK)	Ave	0.7352	0.8007	0.1000	136	125	8.9	20.0
Chlorobromomethane	Ave	0.6049	0.6361		26.3	25.0	5.2	20.0
Tetrahydrofuran	Ave	0.5110	0.5087		49.8	50.0	-0.5	20.0
Chloroform	Ave	1.415	1.502	0.2000	26.5	25.0	6.1	20.0
1,1,1-Trichloroethane	Ave	1.361	1.417	0.1000	26.0	25.0	4.1	20.0
Cyclohexane	Ave	2.414	2.329	0.1000	24.1	25.0	-3.5	20.0
Carbon tetrachloride	Ave	1.430	1.521	0.1000	26.6	25.0	6.4	20.0
1,1-Dichloropropene	Ave	1.663	1.737		26.1	25.0	4.5	20.0
Isobutyl alcohol	Ave	0.0784	0.0842		671	625	7.4	50.0
Benzene	Ave	5.022	5.218	0.5000	26.0	25.0	3.9	20.0
1,2-Dichloroethane	Ave	1.935	2.048	0.1000	26.5	25.0	5.8	20.0
n-Heptane	Ave	1.808	1.873		25.9	25.0	3.6	20.0
Trichloroethene	Ave	1.242	1.297	0.2000	26.1	25.0	4.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab Sample ID: CCVIS 480-204342/2 Calibration Date: 09/25/2014 11:32

Instrument ID: HP5973G Calib Start Date: 09/24/2014 04:27

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 09/24/2014 06:42

Lab File ID: G34292.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	2.196	1.852	0.1000	21.1	25.0	-15.7	20.0
1,2-Dichloropropane	Ave	1.213	1.283	0.1000	26.4	25.0	5.7	20.0
Dibromomethane	Ave	0.7568	0.8022	0.1000	26.5	25.0	6.0	20.0
1,4-Dioxane	Ave	0.0085	0.0070		414	500	-17.2	50.0
Bromodichloromethane	Ave	1.516	1.647	0.2000	27.2	25.0	8.7	20.0
2-Chloroethyl vinyl ether	Ave	0.8965	0.9630		26.9	25.0	7.4	20.0
cis-1,3-Dichloropropene	Ave	1.966	2.137	0.2000	27.2	25.0	8.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6983	0.7480	0.1000	134	125	7.1	20.0
Toluene	Ave	1.515	1.628	0.4000	26.9	25.0	7.5	20.0
trans-1,3-Dichloropropene	Ave	0.8432	0.9248	0.1000	27.4	25.0	9.7	20.0
Ethyl methacrylate	Ave	0.8819	0.9437		26.8	25.0	7.0	20.0
1,1,2-Trichloroethane	Ave	0.4466	0.4746	0.1000	26.6	25.0	6.3	20.0
Tetrachloroethene	Ave	0.5799	0.6103	0.2000	26.3	25.0	5.2	20.0
1,3-Dichloropropane	Ave	1.026	1.097		26.7	25.0	6.9	20.0
2-Hexanone	Ave	0.4956	0.5478	0.1000	138	125	10.5	20.0
Dibromochloromethane	Lin1		0.5196	0.1000	23.3	25.0	-6.7	20.0
1,2-Dibromoethane	Ave	0.5469	0.5864		26.8	25.0	7.2	20.0
Chlorobenzene	Ave	1.613	1.734	0.5000	26.9	25.0	7.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4881	0.5344		27.4	25.0	9.5	20.0
Ethylbenzene	Ave	2.875	3.060	0.1000	26.6	25.0	6.5	20.0
m,p-Xylene	Ave	1.139	1.199	0.1000	26.3	25.0	5.2	20.0
o-Xylene	Ave	1.095	1.166	0.3000	26.6	25.0	6.5	20.0
Styrene	Ave	1.875	2.020	0.3000	26.9	25.0	7.7	20.0
Bromoform	Lin		0.2835	0.1000	22.1	25.0	-11.6	50.0
Isopropylbenzene	Ave	3.403	3.671	0.1000	27.0	25.0	7.9	20.0
Bromobenzene	Ave	0.7722	0.8264		26.8	25.0	7.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8685	0.9254	0.3000	26.6	25.0	6.6	20.0
1,2,3-Trichloropropane	Ave	0.3063	0.3154		25.7	25.0	3.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2845	0.3020		26.5	25.0	6.1	50.0
N-Propylbenzene	Ave	3.939	4.317		27.4	25.0	9.6	20.0
2-Chlorotoluene	Ave	0.7701	0.8184		26.6	25.0	6.3	20.0
1,3,5-Trimethylbenzene	Ave	2.908	3.134		26.9	25.0	7.8	20.0
4-Chlorotoluene	Ave	0.8085	0.8702		26.9	25.0	7.6	20.0
tert-Butylbenzene	Ave	0.6193	0.6768		27.3	25.0	9.3	20.0
1,2,4-Trimethylbenzene	Ave	3.004	3.228		26.9	25.0	7.5	20.0
sec-Butylbenzene	Ave	3.686	4.004		27.2	25.0	8.6	20.0
1,3-Dichlorobenzene	Ave	1.526	1.635	0.6000	26.8	25.0	7.2	20.0
4-Isopropyltoluene	Ave	3.095	3.356		27.1	25.0	8.4	20.0
1,4-Dichlorobenzene	Ave	1.578	1.670	0.5000	26.5	25.0	5.8	20.0
n-Butylbenzene	Ave	2.892	3.159		27.3	25.0	9.2	20.0
1,2-Dichlorobenzene	Ave	1.522	1.588	0.4000	26.1	25.0	4.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Lab Sample ID: CCVIS 480-204342/2 Calibration Date: 09/25/2014 11:32

Instrument ID: HP5973G Calib Start Date: 09/24/2014 04:27

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 09/24/2014 06:42

Lab File ID: G34292.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	0.1609	0.1712	0.0500	26.6	25.0	6.4	50.0
1,2,4-Trichlorobenzene	Ave	1.105	1.177	0.2000	26.6	25.0	6.5	20.0
Hexachlorobutadiene	Ave	0.4934	0.5090		25.8	25.0	3.2	20.0
Naphthalene	Ave	2.608	2.874		27.6	25.0	10.2	20.0
1,2,3-Trichlorobenzene	Ave	0.9706	1.045		26.9	25.0	7.6	20.0
Dibromofluoromethane (Surr)	Ave	1.070	1.090		25.5	25.0	1.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8261	0.8196		24.8	25.0	-0.8	20.0
Toluene-d8 (Surr)	Ave	2.338	2.327		24.9	25.0	-0.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6349	0.6332		24.9	25.0	-0.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34292.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Sep-2014 11:32:30 ALS Bottle#: 67 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0035718-002480-0035718-002
Operator ID: CN Instrument ID: HP5973G
Sublist: chrom-G-8260*sub20

Method: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2014 11:52:43 Calib Date: 24-Sep-2014 10:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34248.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: manc Date: 25-Sep-2014 11:52:43

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	5.584	5.584	0.000	98	168023	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.577	8.577	0.000	88	349359	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.949	10.949	0.000	97	295081	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.986	4.986	0.000	92	183064	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.297	5.297	0.000	0	137705	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	7.096	7.096	0.000	93	813082	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.821	9.821	0.000	83	221219	25.0	24.9	
10 Dichlorodifluoromethane	85	1.414	1.414	0.000	99	306327	25.0	21.2	
12 Chloromethane	50	1.572	1.572	0.000	99	254918	25.0	23.3	
13 Vinyl chloride	62	1.688	1.688	0.000	98	277134	25.0	23.5	
144 Butadiene	54	1.719	1.719	0.000	92	240494	25.0	25.3	
14 Bromomethane	94	1.987	1.987	0.000	93	82901	25.0	23.5	
15 Chloroethane	64	2.127	2.127	0.000	100	170463	25.0	24.6	
16 Dichlorofluoromethane	67	2.328	2.328	0.000	97	354909	25.0	26.2	
17 Trichlorofluoromethane	101	2.347	2.347	0.000	97	364100	25.0	25.0	
18 Ethyl ether	59	2.609	2.609	0.000	89	182375	25.0	25.4	
19 Acrolein	56	2.767	2.767	0.000	98	141574	125.0	126.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.859	2.859	0.000	59	241059	25.0	26.2	
20 1,1-Dichloroethene	96	2.865	2.865	0.000	95	282623	25.0	24.7	
22 Acetone	43	2.926	2.926	0.000	100	471759	125.0	140.7	
23 Iodomethane	142	3.035	3.035	0.000	99	329104	25.0	27.2	
24 Carbon disulfide	76	3.060	3.060	0.000	100	806300	25.0	23.8	
26 3-Chloro-1-propene	41	3.182	3.182	0.000	87	300581	25.0	26.9	
28 Methyl acetate	43	3.224	3.224	0.000	97	1094282	125.0	131.1	
29 Methylene Chloride	84	3.377	3.377	0.000	92	270203	25.0	23.5	
30 2-Methyl-2-propanol	59	3.487	3.487	0.000	97	339017	250.0	240.0	
31 Methyl tert-butyl ether	73	3.554	3.554	0.000	96	730767	25.0	25.4	
32 trans-1,2-Dichloroethene	96	3.566	3.566	0.000	98	227434	25.0	25.0	
33 Acrylonitrile	53	3.590	3.590	0.000	99	999263	250.0	270.1	
34 Hexane	57	3.779	3.779	0.000	94	296522	25.0	24.3	

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	3.974	3.974	0.000	96	350140	25.0	23.3	
38 Vinyl acetate	43	4.023	4.023	0.000	97	624321	50.0	55.3	
42 2,2-Dichloropropane	77	4.499	4.499	0.000	90	138447	25.0	25.6	
43 cis-1,2-Dichloroethene	96	4.523	4.523	0.000	82	224059	25.0	26.2	
44 2-Butanone (MEK)	43	4.553	4.553	0.000	99	672705	125.0	136.1	
48 Chlorobromomethane	128	4.755	4.755	0.000	97	106874	25.0	26.3	
49 Tetrahydrofuran	42	4.791	4.791	0.000	85	170931	50.0	49.8	
50 Chloroform	85	4.834	4.834	0.000	94	252332	25.0	26.5	
51 1,1,1-Trichloroethane	97	4.962	4.962	0.000	98	238071	25.0	26.0	
52 Cyclohexane	56	4.986	4.986	0.000	86	391398	25.0	24.1	
53 Carbon tetrachloride	117	5.108	5.108	0.000	97	255486	25.0	26.6	
54 1,1-Dichloropropene	75	5.114	5.114	0.000	96	291874	25.0	26.1	
55 Isobutyl alcohol	43	5.303	5.303	0.000	93	353753	625.0	671.0	
56 Benzene	78	5.316	5.316	0.000	97	876665	25.0	26.0	
57 1,2-Dichloroethane	62	5.364	5.364	0.000	99	344100	25.0	26.5	
59 n-Heptane	43	5.517	5.517	0.000	91	314691	25.0	25.9	
61 Trichloroethene	95	5.925	5.925	0.000	98	217936	25.0	26.1	
62 Methylcyclohexane	83	6.065	6.065	0.000	90	311173	25.0	21.1	
63 1,2-Dichloropropane	63	6.157	6.157	0.000	90	215549	25.0	26.4	
65 Dibromomethane	93	6.285	6.285	0.000	94	134789	25.0	26.5	
66 1,4-Dioxane	88	6.303	6.303	0.000	94	48958	500.0	414.2	
67 Dichlorobromomethane	83	6.437	6.437	0.000	99	276744	25.0	27.2	
70 2-Chloroethyl vinyl ether	63	6.718	6.718	0.000	93	161797	25.0	26.9	
72 cis-1,3-Dichloropropene	75	6.858	6.858	0.000	94	359057	25.0	27.2	
73 4-Methyl-2-pentanone (MIBK	43	6.998	6.998	0.000	96	1306568	125.0	133.9	
74 Toluene	92	7.163	7.163	0.000	98	568859	25.0	26.9	
76 trans-1,3-Dichloropropene	75	7.419	7.419	0.000	95	323097	25.0	27.4	
78 Ethyl methacrylate	69	7.474	7.474	0.000	89	329694	25.0	26.8	
79 1,1,2-Trichloroethane	83	7.608	7.608	0.000	94	165797	25.0	26.6	
80 Tetrachloroethene	166	7.705	7.705	0.000	93	213212	25.0	26.3	
81 1,3-Dichloropropane	76	7.772	7.772	0.000	93	383351	25.0	26.7	
82 2-Hexanone	43	7.839	7.839	0.000	94	956836	125.0	138.2	
83 Chlorodibromomethane	129	8.010	8.010	0.000	91	181537	25.0	23.3	
84 Ethylene Dibromide	107	8.120	8.120	0.000	99	204868	25.0	26.8	
86 Chlorobenzene	112	8.608	8.608	0.000	93	605661	25.0	26.9	
88 1,1,1,2-Tetrachloroethane	131	8.699	8.699	0.000	90	186705	25.0	27.4	
89 Ethylbenzene	91	8.699	8.699	0.000	99	1069206	25.0	26.6	
90 m-Xylene & p-Xylene	106	8.821	8.821	0.000	100	418947	25.0	26.3	
91 o-Xylene	106	9.254	9.254	0.000	97	407490	25.0	26.6	
92 Styrene	104	9.278	9.278	0.000	95	705632	25.0	26.9	
93 Bromoform	173	9.516	9.516	0.000	94	99039	25.0	22.1	
95 Isopropylbenzene	105	9.632	9.632	0.000	96	1083347	25.0	27.0	
97 Bromobenzene	156	9.973	9.973	0.000	97	243850	25.0	26.8	
98 1,1,2,2-Tetrachloroethane	83	10.004	10.004	0.000	96	273058	25.0	26.6	
99 1,2,3-Trichloropropane	110	10.040	10.040	0.000	88	93062	25.0	25.7	
100 trans-1,4-Dichloro-2-buten	53	10.052	10.052	0.000	73	89117	25.0	26.5	
101 N-Propylbenzene	91	10.058	10.058	0.000	99	1273772	25.0	27.4	
102 2-Chlorotoluene	126	10.156	10.156	0.000	95	241499	25.0	26.6	
104 1,3,5-Trimethylbenzene	105	10.229	10.229	0.000	93	924787	25.0	26.9	
105 4-Chlorotoluene	126	10.266	10.266	0.000	98	256790	25.0	26.9	
106 tert-Butylbenzene	134	10.546	10.546	0.000	92	199713	25.0	27.3	
107 1,2,4-Trimethylbenzene	105	10.601	10.601	0.000	98	952493	25.0	26.9	

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	10.760	10.760	0.000	95	1181628	25.0	27.2	
110 1,3-Dichlorobenzene	146	10.888	10.888	0.000	96	482550	25.0	26.8	
111 4-Isopropyltoluene	119	10.894	10.894	0.000	96	990428	25.0	27.1	
113 1,4-Dichlorobenzene	146	10.973	10.973	0.000	92	492725	25.0	26.5	
115 n-Butylbenzene	91	11.278	11.278	0.000	98	932217	25.0	27.3	
116 1,2-Dichlorobenzene	146	11.320	11.320	0.000	95	468504	25.0	26.1	
117 1,2-Dibromo-3-Chloropropan	75	12.040	12.040	0.000	75	50512	25.0	26.6	
119 1,2,4-Trichlorobenzene	180	12.729	12.729	0.000	93	347347	25.0	26.6	
120 Hexachlorobutadiene	225	12.845	12.845	0.000	96	150204	25.0	25.8	
121 Naphthalene	128	12.936	12.936	0.000	98	848185	25.0	27.6	
122 1,2,3-Trichlorobenzene	180	13.143	13.143	0.000	95	308242	25.0	26.9	
S 123 Total BTEX	1				0			132.4	
S 124 Xylenes, Total	1				0			52.9	
S 125 1,2-Dichloroethene, Total	1				0			51.1	
S 126 1,3-Dichloropropene, Total	1				0			54.6	

Reagents:

8260 CORP mix_00022	Amount Added: 12.50	Units: uL	
GAS CORP mix_00048	Amount Added: 12.50	Units: uL	
G_8260_IS_00065	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_Surr_00081	Amount Added: 1.00	Units: uL	Run Reagent

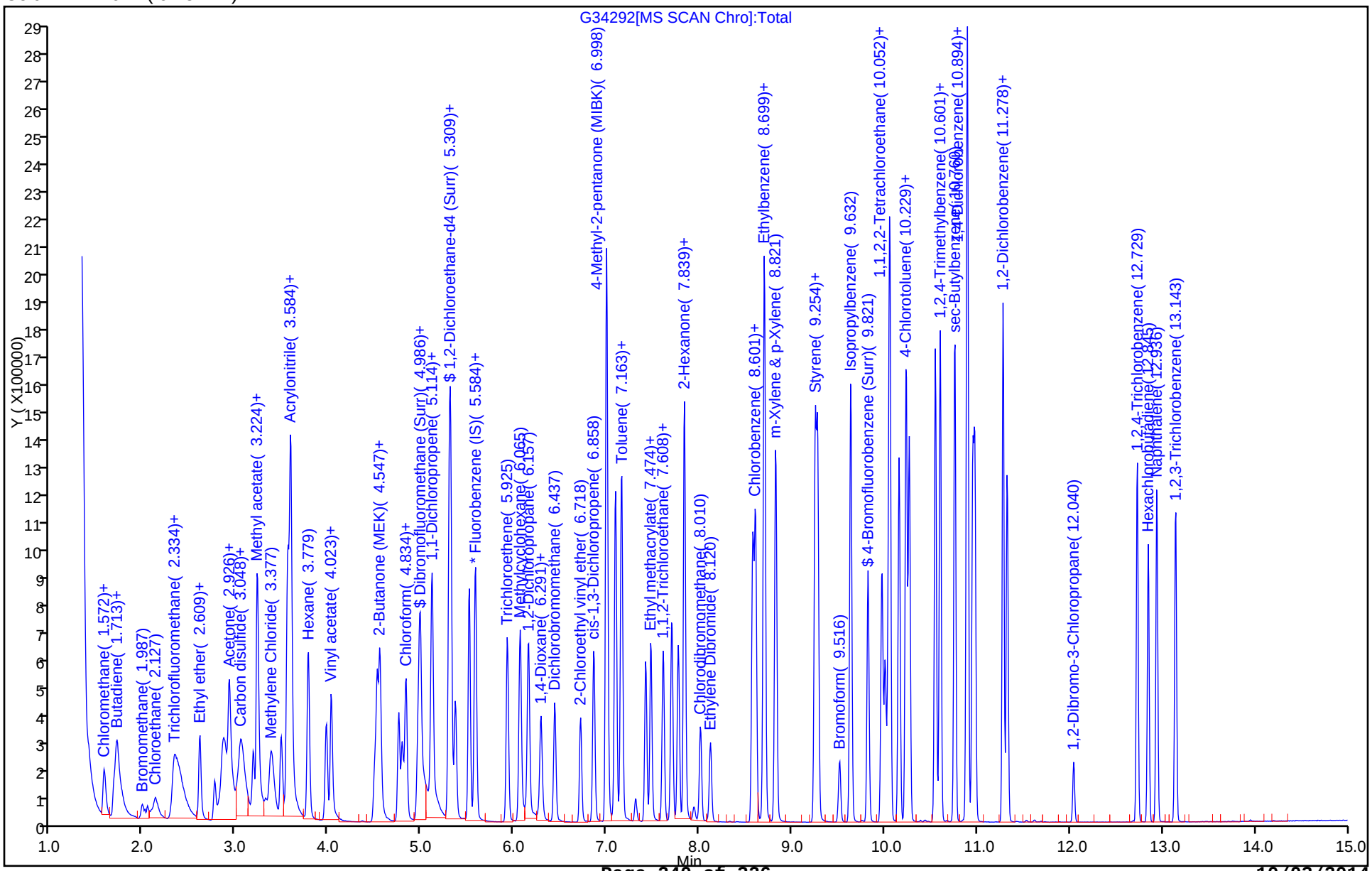
Report Date: 25-Sep-2014 11:52:44 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34292.D

Injection Date:	25-Sep-2014 11:32:30	Instrument ID:	HP5973G	Operator ID:	CN
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	67
Method:	G-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1963.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Sep-2014 09:43:30 ALS Bottle#: 31 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0035271-001480-0035271-001
Operator ID: RAS Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Sep-2014 10:00:13 Calib Date: 17-Jul-2014 07:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140716-33837.b\F0080.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: sobolr Date: 11-Sep-2014 10:00:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.637	5.637	0.000	0	86752	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

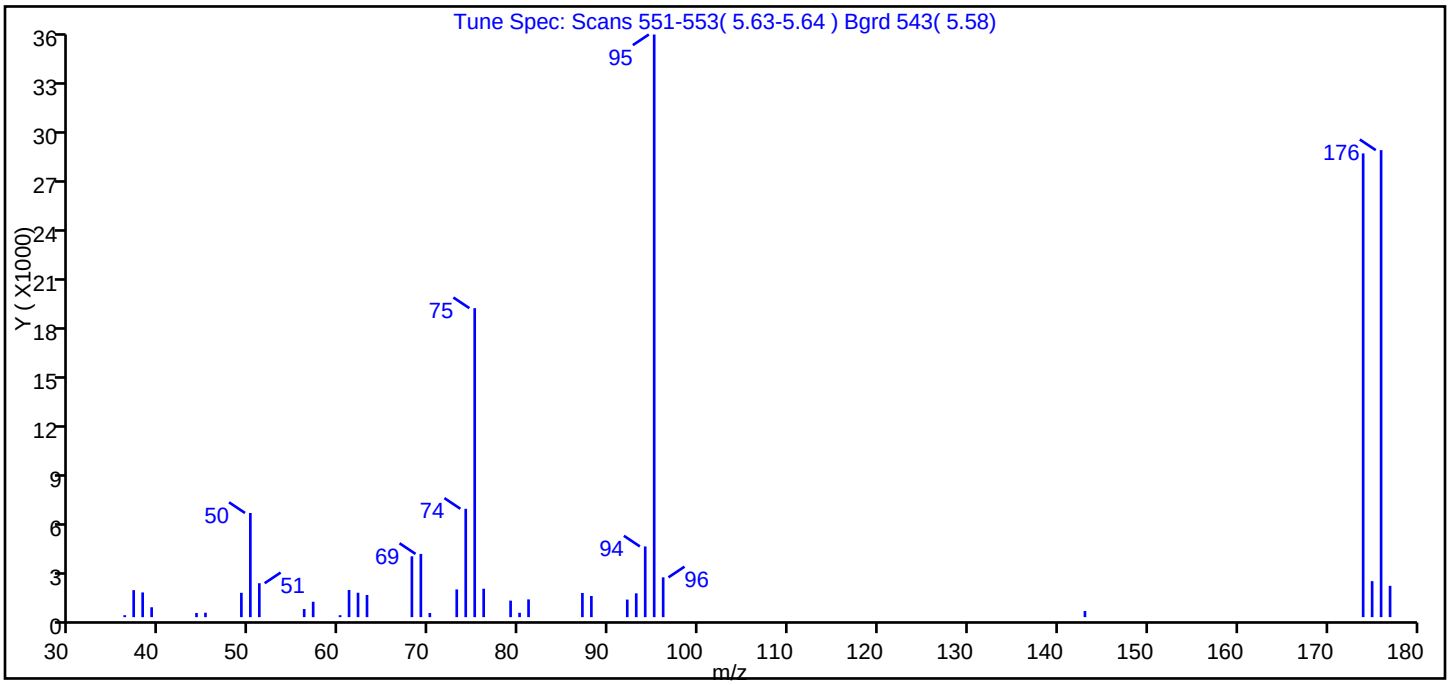
BFB_WRK_00036 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1963.D
Injection Date: 11-Sep-2014 09:43:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: RAS ALS Bottle#: 31 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.90
75	30.00 - 60.00% of mass 95	53.00
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	79.60
175	5.00 - 9.00% of mass 174	6.20 (7.80)
176	95.00 - 101.00% of mass 174	80.10 (100.70)
177	5.00 - 9.00% of mass 176	5.40 (6.70)

Data File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1963.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 11-Sep-2014 09:43:30
Spectrum: Tune Spec: Scans 551-553(5.63-5.64) Bgrd 543(5.58)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 37

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	120	57.00	942	75.00	18912	95.00	35664
37.00	1652	60.00	120	76.00	1741	96.00	2436
38.00	1512	61.00	1663	79.00	1011	143.00	376
39.00	604	62.00	1494	80.00	266	174.00	28384
44.00	255	63.00	1356	81.00	1086	175.00	2203
45.00	272	68.00	3723	87.00	1481	176.00	28584
49.00	1489	69.00	3869	88.00	1294	177.00	1917
50.00	6376	70.00	253	92.00	1075		
51.00	2076	73.00	1697	93.00	1458		
56.00	497	74.00	6632	94.00	4327		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2177.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 17-Sep-2014 20:57:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0035460-002480-0035460-002
Operator ID: CDC Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Sep-2014 21:11:01 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK049

First Level Reviewer: cwiklinc Date: 17-Sep-2014 21:11:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.607	5.607	0.000	0	101362	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

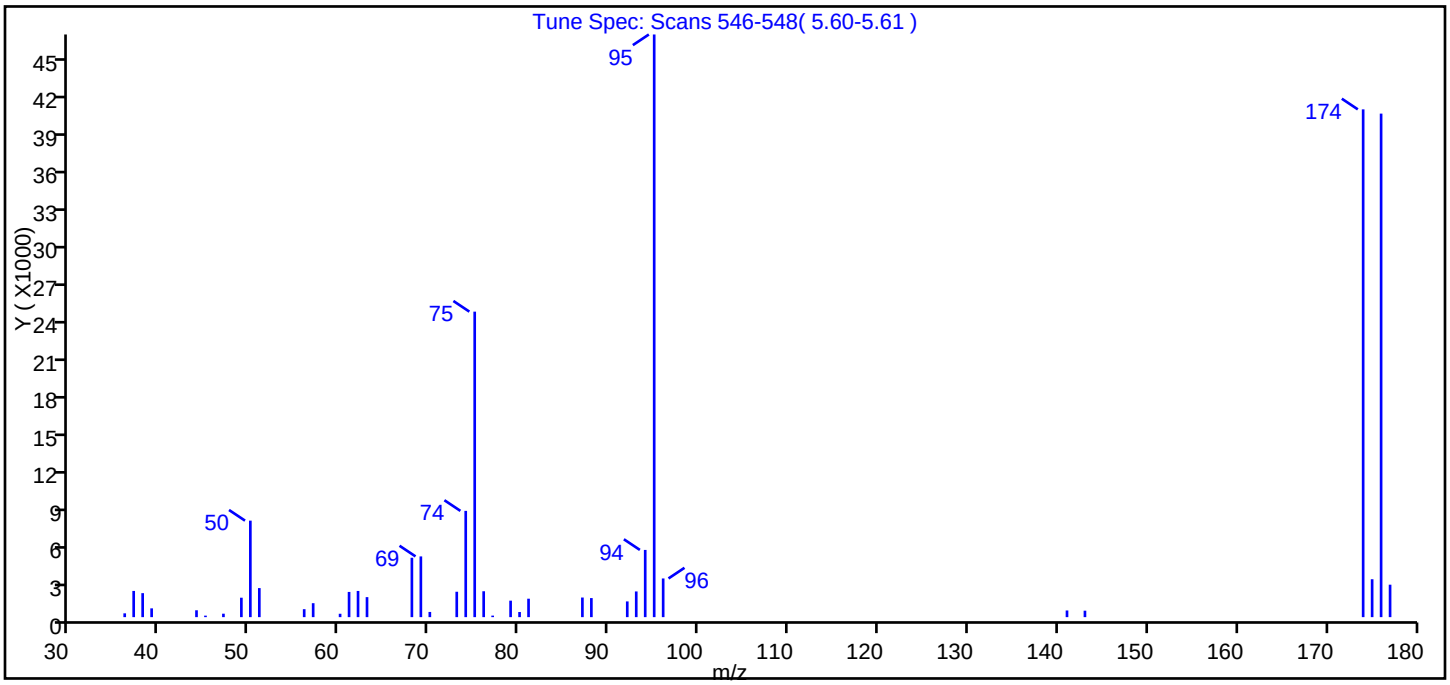
BFB_WRK_00036 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2177.D
Injection Date: 17-Sep-2014 20:57:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.60
75	30.00 - 60.00% of mass 95	52.40
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	87.10
175	5.00 - 9.00% of mass 174	6.50 (7.50)
176	95.00 - 101.00% of mass 174	86.40 (99.20)
177	5.00 - 9.00% of mass 176	5.60 (6.40)

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2177.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 17-Sep-2014 20:57:30
Spectrum: Tune Spec: Scans 546-548(5.60-5.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	301	56.00	630	74.00	8401	93.00	2032
37.00	2072	57.00	1103	75.00	24152	94.00	5314
38.00	1897	60.00	268	76.00	2047	95.00	46064
39.00	695	61.00	1993	77.00	121	96.00	3058
44.00	543	62.00	2070	79.00	1303	141.00	527
45.00	119	63.00	1582	80.00	405	143.00	510
47.00	273	68.00	4695	81.00	1458	174.00	40144
49.00	1537	69.00	4801	87.00	1551	175.00	2997
50.00	7629	70.00	411	88.00	1507	176.00	39808
51.00	2297	73.00	2008	92.00	1243	177.00	2566

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F2206.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 18-Sep-2014 21:28:30 ALS Bottle#: 1 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Operator ID: CDC Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2014 21:41:34 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: cwiklinc Date: 18-Sep-2014 21:41:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.613	5.613	0.000	0	58854	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

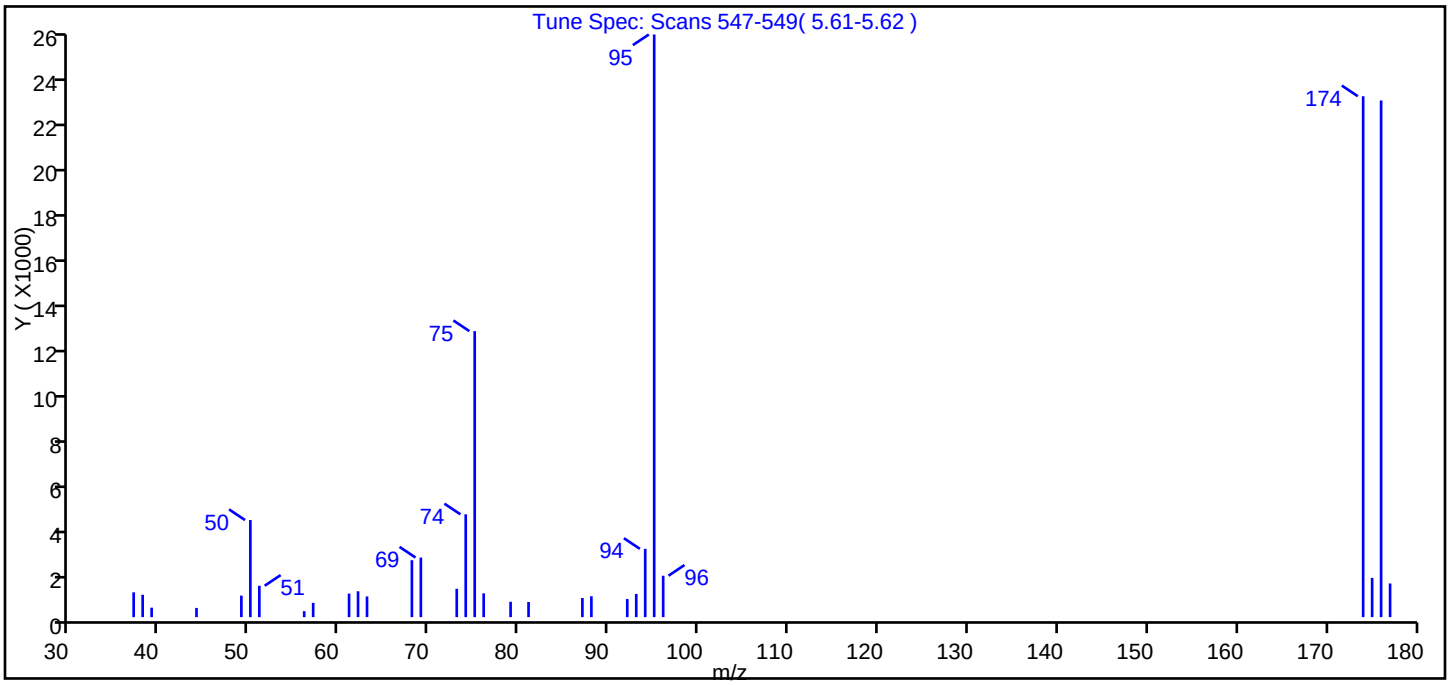
BFB_WRK_00036 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F2206.D
Injection Date: 18-Sep-2014 21:28:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.70
75	30.00 - 60.00% of mass 95	49.10
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	89.40
175	5.00 - 9.00% of mass 174	6.70 (7.50)
176	95.00 - 101.00% of mass 174	88.70 (99.20)
177	5.00 - 9.00% of mass 176	5.80 (6.50)

Data File: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F2206.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 18-Sep-2014 21:28:30
Spectrum: Tune Spec: Scans 547-549(5.61-5.62)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 31

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1081	57.00	621	75.00	12449	94.00	2972
38.00	973	61.00	1025	76.00	1035	95.00	25360
39.00	412	62.00	1127	79.00	670	96.00	1803
44.00	401	63.00	901	81.00	659	174.00	22672
49.00	937	68.00	2478	87.00	833	175.00	1709
50.00	4226	69.00	2594	88.00	909	176.00	22488
51.00	1366	73.00	1232	92.00	788	177.00	1465
56.00	261	74.00	4475	93.00	1010		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34230.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 24-Sep-2014 03:40:30 ALS Bottle#: 5 Worklist Smp#: 26
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0035654-026480-0035654-026
Operator ID: gtg Instrument ID: HP5973G

Method: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Sep-2014 03:49:06 Calib Date: 09-Sep-2014 13:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140909-35199.b\G33539.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: goliszekg Date: 24-Sep-2014 03:49:05

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	286184	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

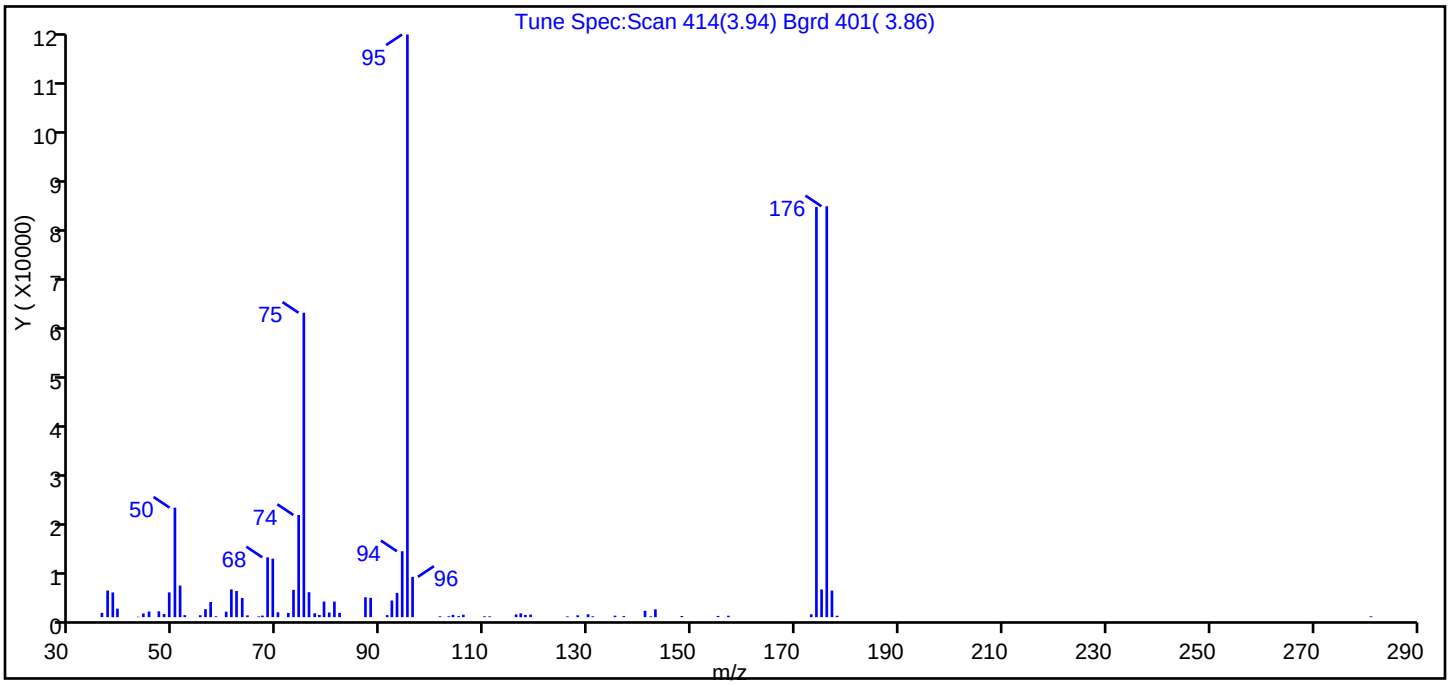
BFB_WRK_00037 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34230.D
Injection Date: 24-Sep-2014 03:40:30 Instrument ID: HP5973G
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 5 Worklist Smp#: 26
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	18.80
75	30.00 - 60.00% of mass 95	52.20
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.50 (0.70)
174	50.00 - 120.00% of mass 95	70.40
175	5.00 - 9.00% of mass 174	4.80 (6.80)
176	95.00 - 101.00% of mass 174	70.50 (100.20)
177	5.00 - 9.00% of mass 176	4.60 (6.50)

Data File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34230.D\G-8260.rslt\spectra.d
Injection Date: 24-Sep-2014 03:40:30
Spectrum: Tune Spec:Scan 414(3.94) Bgrd 401(3.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	864	62.00	5267	86.90	4009	125.90	150
37.10	5366	63.10	3862	87.90	3897	127.90	372
38.10	4976	64.10	357	91.10	408	129.90	579
39.00	1705	66.30	152	92.00	3355	130.80	176
43.00	86	67.00	310	93.00	4880	135.10	292
44.00	741	68.00	12054	94.00	13284	136.80	213
45.10	1132	69.00	11778	95.00	117440	140.90	1282
47.00	1175	70.00	979	96.00	8120	142.00	160
48.00	632	72.00	839	101.30	161	142.90	1577
49.00	4989	73.00	5507	103.00	174	148.00	233
50.10	22064	74.00	20592	103.80	453	155.00	242
51.10	6368	75.00	61352	104.90	210	157.00	285
52.00	405	76.00	5029	105.80	478	173.00	569
55.00	378	77.10	780	109.90	169	174.00	82680
56.00	1604	78.00	438	110.90	161	175.00	5586
57.00	3044	78.90	3137	116.00	544	176.00	82816
58.00	179	79.90	934	116.90	768	177.00	5357
60.00	1105	80.90	3136	117.80	444	178.00	281
61.00	5590	81.90	869	118.80	511	281.10	170

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34291.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 25-Sep-2014 11:05:30 ALS Bottle#: 66 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0035718-001480-0035718-001
Operator ID: CN Instrument ID: HP5973G

Method: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2014 11:17:36 Calib Date: 24-Sep-2014 10:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34248.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: manc Date: 25-Sep-2014 11:17:35

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	222896	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

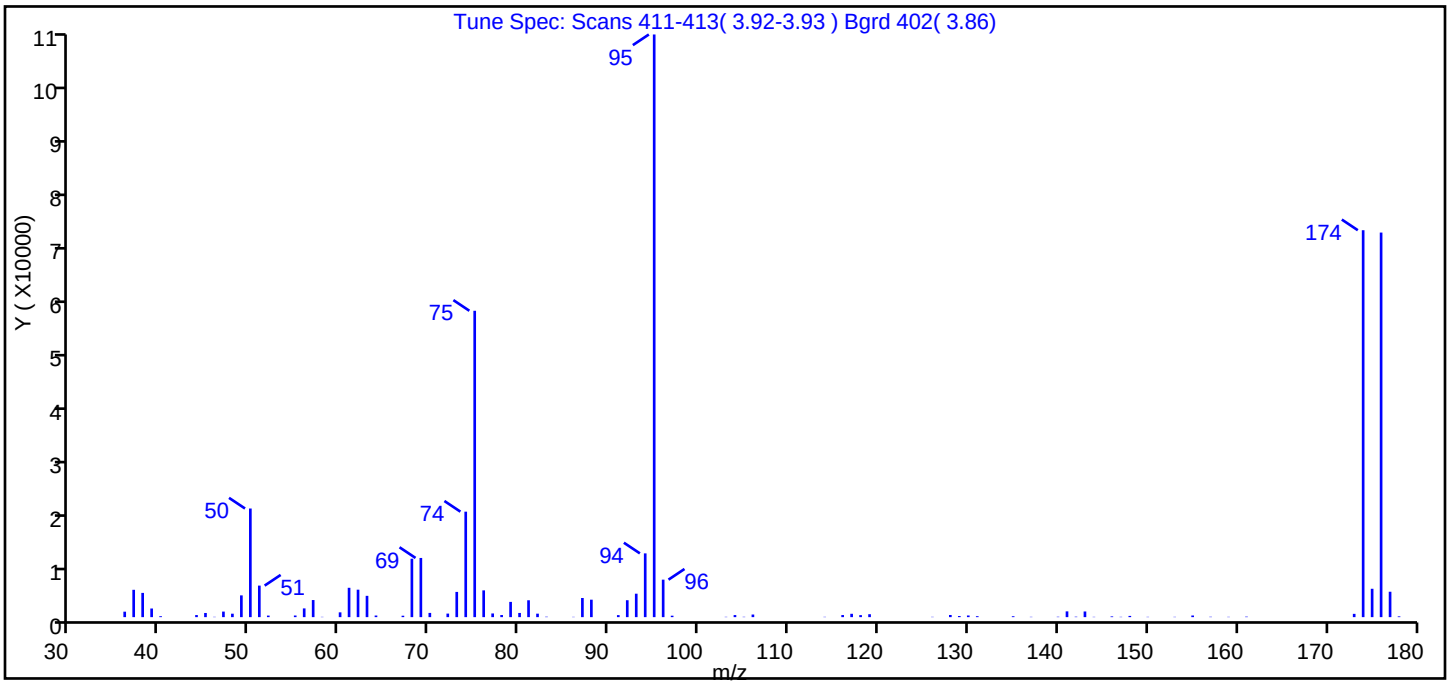
BFB_WRK_00037 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34291.D
Injection Date: 25-Sep-2014 11:05:30 Instrument ID: HP5973G
Lims ID: BFB
Client ID:
Operator ID: CN ALS Bottle#: 66 Worklist Smp#: 1
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	18.60
75	30.00 - 60.00% of mass 95	52.60
96	5.00 - 9.00% of mass 95	6.40
173	Less than 2.00% of mass 174	0.60 (0.90)
174	50.00 - 120.00% of mass 95	66.40
175	5.00 - 9.00% of mass 174	4.90 (7.30)
176	95.00 - 101.00% of mass 174	66.00 (99.40)
177	5.00 - 9.00% of mass 176	4.40 (6.60)

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34291.D\G-8260.rslt\spectra.d
Injection Date: 25-Sep-2014 11:05:30
Spectrum: Tune Spec: Scans 411-413(3.92-3.93) Bgrd 402(3.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 85

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	988	64.00	293	93.00	4238	141.00	1044
37.00	4941	67.00	257	94.00	11524	142.00	82
38.00	4382	68.00	10558	95.00	105304	143.00	1024
39.00	1562	69.00	10698	96.00	6775	144.00	53
40.00	166	70.00	765	97.00	262	146.00	131
44.00	376	72.00	642	103.00	57	147.00	56
45.00	752	73.00	4560	104.00	374	148.00	223
46.00	55	74.00	19064	105.00	61	150.00	53
47.00	1005	75.00	55368	106.00	473	153.00	54
48.00	624	76.00	4839	114.00	55	155.00	297
49.00	3934	77.00	667	116.00	379	157.00	69
50.00	19632	78.00	381	117.00	606	159.00	55
51.00	5701	79.00	2757	118.00	365	161.00	90
52.00	283	80.00	758	119.00	529	173.00	595
55.00	295	81.00	3050	126.00	55	174.00	69928
56.00	1580	82.00	629	128.00	389	175.00	5128
57.00	3090	83.00	78	129.00	200	176.00	69504
58.00	51	86.00	51	130.00	300	177.00	4591
60.00	867	87.00	3461	131.00	171	178.00	138
61.00	5304	88.00	3156	135.00	161		
62.00	4963	91.00	365	137.00	56		
63.00	3850	92.00	3058	140.00	72		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-202965/6

Matrix: Solid | Lab File ID: F2181.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/17/2014 22:56

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.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
591-78-6	2-Hexanone	ND		25	2.5
78-93-3	2-Butanone (MEK)	ND		25	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		5.0	0.25
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.35
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-202965/6

Matrix: Solid | Lab File ID: F2181.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/17/2014 22:56

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.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	3.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
2037-26-5	Toluene-d8 (Surr)	96		71-125
460-00-4	4-Bromofluorobenzene (Surr)	107		72-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2181.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 17-Sep-2014 22:56:30 ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0035460-006480-0035460-006
Operator ID: CDC Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Sep-2014 23:19:12 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK049

First Level Reviewer: cwiklinc Date: 17-Sep-2014 23:19:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	99	120051	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	86	249856	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	95	240201	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.921	4.915	0.006	93	128307	50.0	52.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.207	5.201	0.006	0	82513	50.0	53.0	
$ 5 Toluene-d8 (Surr)	98	6.825	6.825	0.000	93	493050	50.0	48.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.490	9.484	0.006	92	170049	50.0	53.5	
10 Dichlorodifluoromethane	85		1.934					ND	
11 Chlorodifluoromethane	51		1.946					ND	
12 Chloromethane	50		2.098					ND	
13 Vinyl chloride	62		2.208					ND	
151 Butadiene	54		2.220					ND	
14 Bromomethane	94		2.500					ND	
15 Chloroethane	64		2.567					ND	
16 Dichlorofluoromethane	67		2.743					ND	
17 Trichlorofluoromethane	101		2.780					ND	
148 Ethanol	45		2.920					ND	
18 Ethyl ether	59		2.956					ND	
19 Propene oxide	58		3.053					ND	
20 Acrolein	56		3.114					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.157					ND	
22 1,1-Dichloroethene	96		3.187					ND	
23 Acetone	43		3.224					ND	
24 Isopropyl alcohol	45		3.309					ND	
25 Iodomethane	142		3.339					ND	
26 Carbon disulfide	76		3.394					ND	
27 Methyl acetate	43		3.443					ND	
28 3-Chloro-1-propene	41		3.449					ND	
29 Acetonitrile	40		3.479					ND	
30 Methylene Chloride	84	3.564	3.564	0.000	83	1597		0.4392	
31 2-Methyl-2-propanol	59		3.607					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
32 Methyl tert-butyl ether	73		3.716					ND	
34 trans-1,2-Dichloroethene	96		3.753					ND	
33 Acrylonitrile	53		3.765					ND	
35 Hexane	57	3.893	3.887	0.006	94	36972		7.69	
36 Isopropyl ether	45		4.039					ND	
134 Halothane	117		4.045					ND	
37 Vinyl acetate	43		4.069					ND	
39 1,1-Dichloroethane	63		4.081					ND	
38 1,1-Dimethoxyethane	75		4.112					ND	
40 2-Chloro-1,3-butadiene	53		4.136					ND	
41 Tert-butyl ethyl ether	59		4.319					ND	
42 Ethyl acetate	43		4.520					ND	
43 2-Butanone (MEK)	43		4.526					ND	
44 2,2-Dichloropropane	77		4.532					ND	
45 cis-1,2-Dichloroethene	96		4.538					ND	
46 Propionitrile	54		4.623					ND	
47 Methacrylonitrile	41		4.720					ND	
48 Chlorobromomethane	128		4.745					ND	
49 Tetrahydrofuran	42		4.763					ND	
50 Chloroform	83		4.781					ND	
51 1,1,1-Trichloroethane	97		4.927					ND	
52 Cyclohexane	56		4.957					ND	
54 1,1-Dichloropropene	75		5.043					ND	
55 Carbon tetrachloride	117		5.055					ND	
53 Isobutyl alcohol	43		5.097					ND	
147 t-Amyl alcohol	59		5.177					ND	
152 Isooctane	57		5.195					ND	
57 Benzene	78		5.231					ND	
56 Tert-amyl methyl ether	73		5.237					ND	
58 1,2-Dichloroethane	62		5.268					ND	
59 n-Heptane	43		5.316					ND	
1 1,4-Difluorobenzene	114		5.511					ND	
136 2,4,4-Trimethyl-1-pentene	55		5.639					ND	
60 n-Butanol	56		5.645					ND	
62 Trichloroethene	95		5.748					ND	
137 Ethyl acrylate	55		5.779					ND	
135 2,4,4-Trimethyl-2-pentene	97		5.815					ND	
64 Methylcyclohexane	83		5.888					ND	
65 1,2-Dichloropropane	63		5.973					ND	
63 Methyl methacrylate	41		5.980					ND	
66 1,4-Dioxane	88		6.077					ND	
67 Dibromomethane	93		6.101					ND	
68 Dichlorobromomethane	83		6.217					ND	
69 2-Chloroethyl vinyl ether	63		6.424					ND	
70 2-Nitropropane	43		6.430					ND	
71 Epichlorohydrin	57		6.539					ND	
72 cis-1,3-Dichloropropene	75		6.594					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.691					ND	
74 Toluene	92		6.886					ND	
75 Ethyl methacrylate	69		7.105					ND	
77 trans-1,3-Dichloropropene	75		7.111					ND	
79 1,1,2-Trichloroethane	83		7.306					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
81 Tetrachloroethene	166		7.409					ND	
82 1,3-Dichloropropane	76		7.470					ND	
80 2-Hexanone	43		7.482					ND	
155 n-Butyl acetate	43		7.561					ND	
83 Chlorodibromomethane	129		7.713					ND	
84 Ethylene Dibromide	107		7.847					ND	
146 1-Chlorohexane	55		8.188					ND	
85 3-Chlorobenzotrifluoride	180		8.194					ND	
86 4-Chlorobenzotrifluoride	180		8.255					ND	
87 Chlorobenzene	112		8.297					ND	
88 Ethylbenzene	91		8.358					ND	
89 1,1,1,2-Tetrachloroethane	131		8.370					ND	
90 m-Xylene & p-Xylene	106		8.474					ND	
91 o-Xylene	106		8.906					ND	
92 Styrene	104		8.930					ND	
93 2-Chlorobenzotrifluoride	180		9.186					ND	
95 Bromoform	173		9.204					ND	
94 Isopropylbenzene	105		9.271					ND	
96 Cyclohexanone	55		9.472					ND	
97 1,1,2,2-Tetrachloroethane	83		9.648					ND	
101 Bromobenzene	156		9.654					ND	
98 trans-1,4-Dichloro-2-buten	53		9.690					ND	
99 N-Propylbenzene	91		9.690					ND	
100 1,2,3-Trichloropropane	110		9.703					ND	
103 2-Chlorotoluene	126		9.824					ND	
102 1,3,5-Trimethylbenzene	105		9.855					ND	
104 3-Chlorotoluene	126		9.879					ND	
105 4-Chlorotoluene	126		9.928					ND	
106 tert-Butylbenzene	134		10.177					ND	
107 1,2,4-Trimethylbenzene	105		10.226					ND	
108 Pentachloroethane	167		10.256					ND	
109 sec-Butylbenzene	105		10.378					ND	
110 4-Isopropyltoluene	119		10.506					ND	
111 1,3-Dichlorobenzene	146		10.542					ND	
114 Dicyclopentadiene	66		10.615					ND	
113 1,4-Dichlorobenzene	146		10.621					ND	
112 1,2,3-Trimethylbenzene	105		10.633					ND	
150 Benzyl chloride	126		10.749					ND	
115 n-Butylbenzene	91		10.877					ND	
76 2-Methylthiophene	97		10.900					ND	
116 1,2-Dichlorobenzene	146		10.962					ND	
78 3-Methylthiophene	97		11.028					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.643					ND	
118 1,3,5-Trichlorobenzene	180		11.765					ND	
119 1,2,4-Trichlorobenzene	180		12.282					ND	
120 Hexachlorobutadiene	225		12.379					ND	
121 Naphthalene	128	12.507	12.513	-0.006	93	10550		0.8945	
122 1,2,3-Trichlorobenzene	180		12.726					ND	
149 2-Methylnaphthalene	142		13.572					ND	
144 1-Bromopropane TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
S 125 1,2-Dichloroethene, Total	1		30.000					0	
S 126 1,3-Dichloropropene, Total	1		30.000					0	
S 123 Total BTEX	1		30.000					0	
S 124 Xylenes, Total	1		30.000					0	
T 138 Aziridine TIC	1		0.000					0	
T 133 cis-1,4-Dichloro-2-butene	88		0.000					0	
T 132 Methyl acrylate	1		0.000					0	
T 139 Bromoethane TIC	1		0.000					0	
T 142 1-Bromopropane	1		0.000					0	
T 141 Pentachloroethane TIC	1		0.000					0	
T 140 bis(chloromethyl)ether TIC	1		0.000					0	
T 127 Ethanol TIC	45		0.000					0	
T 9 bis(2-chloromethyl)ether T	1		0.000					0	
T 7 Ethylene oxide	1		0.000					0	
T 128 Hexachloroethane TIC	1		0.000					0	
T 131 Nitrobenzene	77		0.000					0	
T 130 Hexachloroethane	117		0.000					0	
T 129 tert-amyl alcohol TIC	59		0.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00268	Amount Added:	1.00	Units: uL	Run Reagent

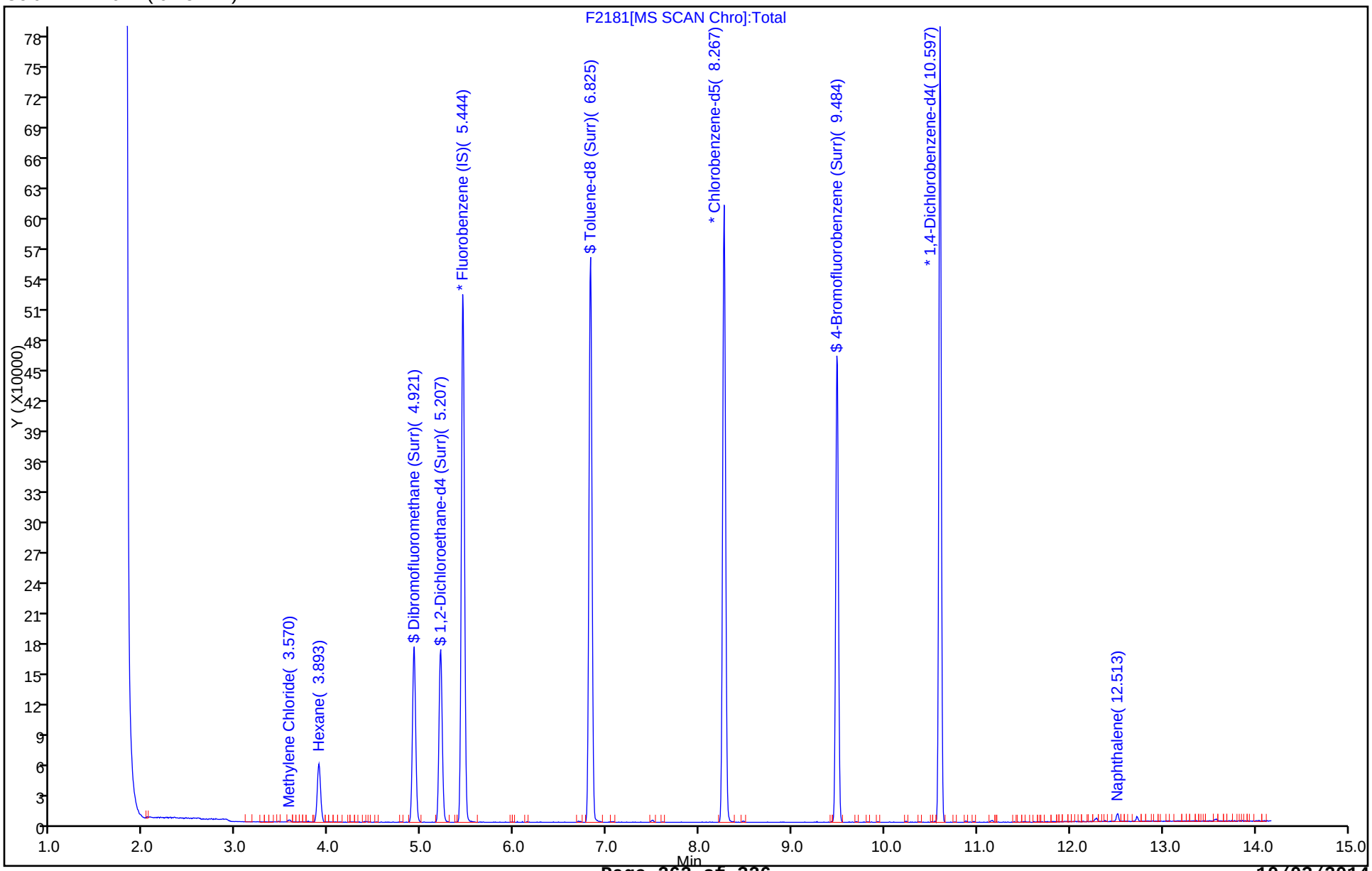
Report Date: 17-Sep-2014 23:19:13 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2181.D

Injection Date:	17-Sep-2014 22:56:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	F-8260 SOIL	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.: 480-67484-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-203192/7

Matrix: Solid | Lab File ID: F2210.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/18/2014 23:23

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.: 203192 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
591-78-6	2-Hexanone	ND		25	2.5
78-93-3	2-Butanone (MEK)	ND		25	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		5.0	0.25
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.35
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-203192/7

Matrix: Solid | Lab File ID: F2210.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/18/2014 23:23

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.: 203192 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	3.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
2037-26-5	Toluene-d8 (Surr)	96		71-125
460-00-4	4-Bromofluorobenzene (Surr)	107		72-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F2210.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 18-Sep-2014 23:23:30 ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0035494-007480-0035494-007
Operator ID: CDC Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Sep-2014 00:09:47 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: cwiklinc Date: 19-Sep-2014 00:09:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.438	0.006	99	110081	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.261	0.006	85	245155	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	95	240540	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.915	4.915	0.000	94	125255	50.0	55.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.195	0.006	0	76990	50.0	53.9	
$ 5 Toluene-d8 (Surr)	98	6.819	6.819	0.000	93	483263	50.0	48.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.484	9.484	0.000	97	167317	50.0	53.7	
10 Dichlorodifluoromethane	85		1.934					ND	
11 Chlorodifluoromethane	51		1.940					ND	
12 Chloromethane	50		2.092					ND	
13 Vinyl chloride	62		2.202					ND	
151 Butadiene	54		2.220					ND	
14 Bromomethane	94		2.500					ND	
15 Chloroethane	64		2.567					ND	
16 Dichlorofluoromethane	67		2.737					ND	
17 Trichlorofluoromethane	101		2.774					ND	
148 Ethanol	45		2.919					ND	
18 Ethyl ether	59		2.950					ND	
19 Propene oxide	58		3.047					ND	
20 Acrolein	56		3.108					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.151					ND	
22 1,1-Dichloroethene	96		3.181					ND	
23 Acetone	43		3.218					ND	
24 Isopropyl alcohol	45		3.309					ND	
25 Iodomethane	142		3.339					ND	
26 Carbon disulfide	76		3.394					ND	
28 3-Chloro-1-propene	41		3.443					ND	
27 Methyl acetate	43		3.443					ND	
29 Acetonitrile	40		3.473					ND	
30 Methylene Chloride	84	3.564	3.565	0.000	79	2975		0.8922	
31 2-Methyl-2-propanol	59		3.607					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
32 Methyl tert-butyl ether	73		3.711					ND	
34 trans-1,2-Dichloroethene	96		3.747					ND	
33 Acrylonitrile	53		3.759					ND	
35 Hexane	57	3.881	3.881	0.000	88	2793		0.6338	
36 Isopropyl ether	45		4.033					ND	
134 Halothane	117		4.045					ND	
37 Vinyl acetate	43		4.063					ND	
39 1,1-Dichloroethane	63		4.082					ND	
38 1,1-Dimethoxyethane	75		4.106					ND	
40 2-Chloro-1,3-butadiene	53		4.130					ND	
41 Tert-butyl ethyl ether	59		4.319					ND	
42 Ethyl acetate	43		4.519					ND	
43 2-Butanone (MEK)	43		4.520					ND	
44 2,2-Dichloropropane	77		4.526					ND	
45 cis-1,2-Dichloroethene	96		4.532					ND	
46 Propionitrile	54		4.617					ND	
47 Methacrylonitrile	41		4.714					ND	
48 Chlorobromomethane	128		4.739					ND	
49 Tetrahydrofuran	42		4.757					ND	
50 Chloroform	83		4.775					ND	
51 1,1,1-Trichloroethane	97		4.921					ND	
52 Cyclohexane	56		4.952					ND	
54 1,1-Dichloropropene	75		5.037					ND	
55 Carbon tetrachloride	117		5.049					ND	
53 Isobutyl alcohol	43		5.098					ND	
147 t-Amyl alcohol	59		5.170					ND	
152 Isooctane	57		5.189					ND	
57 Benzene	78		5.225					ND	
56 Tert-amyl methyl ether	73		5.237					ND	
58 1,2-Dichloroethane	62		5.262					ND	
59 n-Heptane	43		5.317					ND	
1 1,4-Difluorobenzene	114		5.505					ND	
136 2,4,4-Trimethyl-1-pentene	55		5.639					ND	
60 n-Butanol	56		5.645					ND	
62 Trichloroethene	95		5.749					ND	
137 Ethyl acrylate	55		5.773					ND	
135 2,4,4-Trimethyl-2-pentene	97		5.815					ND	
64 Methylcyclohexane	83		5.882					ND	
65 1,2-Dichloropropane	63		5.968					ND	
63 Methyl methacrylate	41		5.979					ND	
66 1,4-Dioxane	88		6.077					ND	
67 Dibromomethane	93		6.101					ND	
68 Dichlorobromomethane	83		6.211					ND	
69 2-Chloroethyl vinyl ether	63		6.418					ND	
70 2-Nitropropane	43		6.424					ND	
71 Epichlorohydrin	57		6.533					ND	
72 cis-1,3-Dichloropropene	75		6.588					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.691					ND	
74 Toluene	92		6.886					ND	
75 Ethyl methacrylate	69		7.105					ND	
77 trans-1,3-Dichloropropene	75		7.105					ND	
79 1,1,2-Trichloroethane	83		7.306					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
81 Tetrachloroethene	166		7.409					ND	
82 1,3-Dichloropropane	76		7.470					ND	
80 2-Hexanone	43		7.482					ND	
155 n-Butyl acetate	43		7.555					ND	
83 Chlorodibromomethane	129		7.714					ND	
84 Ethylene Dibromide	107		7.841					ND	
146 1-Chlorohexane	55		8.188					ND	
85 3-Chlorobenzotrifluoride	180		8.194					ND	
86 4-Chlorobenzotrifluoride	180		8.249					ND	
87 Chlorobenzene	112		8.291					ND	
88 Ethylbenzene	91		8.358					ND	
89 1,1,1,2-Tetrachloroethane	131		8.371					ND	
90 m-Xylene & p-Xylene	106		8.474					ND	
91 o-Xylene	106		8.906					ND	
92 Styrene	104		8.930					ND	
93 2-Chlorobenzotrifluoride	180		9.179					ND	
95 Bromoform	173		9.204					ND	
94 Isopropylbenzene	105		9.271					ND	
96 Cyclohexanone	55		9.471					ND	
97 1,1,2,2-Tetrachloroethane	83		9.648					ND	
101 Bromobenzene	156		9.654					ND	
98 trans-1,4-Dichloro-2-buten	53		9.691					ND	
99 N-Propylbenzene	91		9.691					ND	
100 1,2,3-Trichloropropane	110		9.697					ND	
103 2-Chlorotoluene	126		9.818					ND	
102 1,3,5-Trimethylbenzene	105		9.855					ND	
104 3-Chlorotoluene	126		9.879					ND	
105 4-Chlorotoluene	126		9.928					ND	
106 tert-Butylbenzene	134		10.177					ND	
107 1,2,4-Trimethylbenzene	105		10.226					ND	
108 Pentachloroethane	167		10.250					ND	
109 sec-Butylbenzene	105		10.378					ND	
110 4-Isopropyltoluene	119		10.500					ND	
111 1,3-Dichlorobenzene	146		10.536					ND	
114 Dicyclopentadiene	66		10.615					ND	
113 1,4-Dichlorobenzene	146		10.621					ND	
112 1,2,3-Trimethylbenzene	105		10.627					ND	
150 Benzyl chloride	126		10.749					ND	
115 n-Butylbenzene	91		10.877					ND	
76 2-Methylthiophene	97		10.900					ND	
116 1,2-Dichlorobenzene	146		10.962					ND	
78 3-Methylthiophene	97		11.028					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.643					ND	
118 1,3,5-Trichlorobenzene	180		11.765					ND	
119 1,2,4-Trichlorobenzene	180		12.282					ND	
120 Hexachlorobutadiene	225		12.374					ND	
121 Naphthalene	128	12.513	12.513	0.000	93	9263		0.7843	
122 1,2,3-Trichlorobenzene	180		12.726					ND	
149 2-Methylnaphthalene	142		13.572					ND	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
S 125 1,2-Dichloroethene, Total	1		30.000					0	
S 126 1,3-Dichloropropene, Total	1		30.000					0	
S 123 Total BTEX	1		30.000					0	
S 124 Xylenes, Total	1		30.000					0	
T 138 Aziridine TIC	1		0.000					0	
T 133 cis-1,4-Dichloro-2-butene	88		0.000					0	
T 132 Methyl acrylate	1		0.000					0	
T 139 Bromoethane TIC	1		0.000					0	
T 142 1-Bromopropane	1		0.000					0	
T 141 Pentachloroethane TIC	1		0.000					0	
T 140 bis(chloromethyl)ether TIC	1		0.000					0	
T 127 Ethanol TIC	45		0.000					0	
T 9 bis(2-chloromethyl)ether T	1		0.000					0	
T 7 Ethylene oxide	1		0.000					0	
T 128 Hexachloroethane TIC	1		0.000					0	
T 131 Nitrobenzene	77		0.000					0	
T 130 Hexachloroethane	117		0.000					0	
T 129 tert-amyl alcohol TIC	59		0.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00268	Amount Added:	1.00	Units: uL	Run Reagent

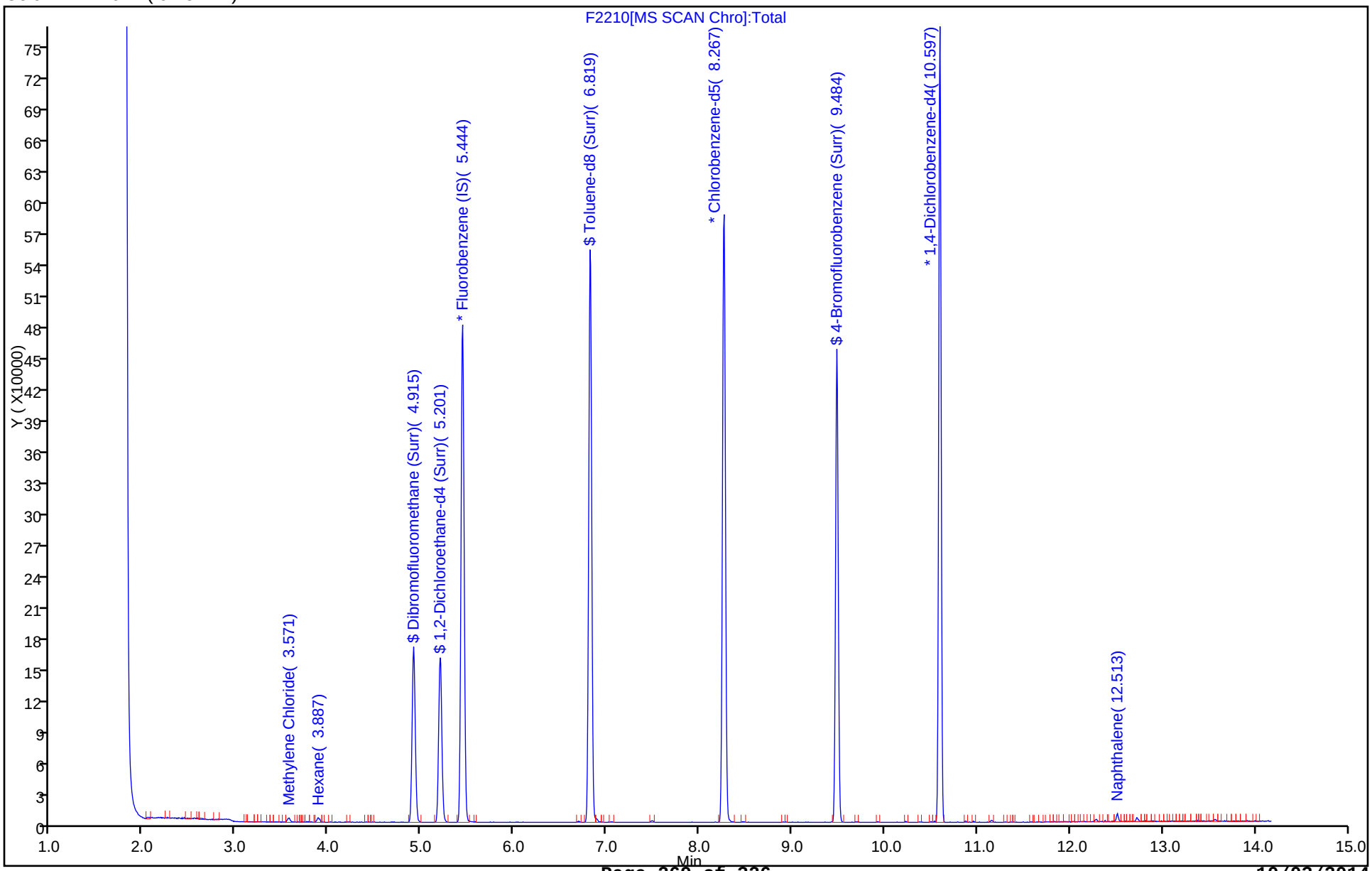
Report Date: 19-Sep-2014 00:09:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F2210.D

Injection Date:	18-Sep-2014 23:23:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	F-8260 SOIL	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.: 480-67484-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-203894/2-A

Matrix: Solid | Lab File ID: G34299.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.07(g) | Date Analyzed: 09/25/2014 15:11

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 204342 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		99	27
79-34-5	1,1,2,2-Tetrachloroethane	ND		99	16
79-00-5	1,1,2-Trichloroethane	ND		99	21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		99	49
75-34-3	1,1-Dichloroethane	ND		99	30
75-35-4	1,1-Dichloroethene	ND		99	34
120-82-1	1,2,4-Trichlorobenzene	ND		99	37
96-12-8	1,2-Dibromo-3-Chloropropane	ND		99	49
106-93-4	1,2-Dibromoethane	ND		99	17
95-50-1	1,2-Dichlorobenzene	ND		99	25
107-06-2	1,2-Dichloroethane	ND		99	40
78-87-5	1,2-Dichloropropane	ND		99	16
541-73-1	1,3-Dichlorobenzene	ND		99	26
106-46-7	1,4-Dichlorobenzene	ND		99	14
591-78-6	2-Hexanone	ND		490	200
78-93-3	2-Butanone (MEK)	ND		490	290
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		490	32
67-64-1	Acetone	ND		490	410
71-43-2	Benzene	ND		99	19
75-27-4	Bromodichloromethane	ND		99	20
75-25-2	Bromoform	ND		99	49
74-83-9	Bromomethane	257		99	22
75-15-0	Carbon disulfide	ND		99	45
56-23-5	Carbon tetrachloride	ND		99	25
108-90-7	Chlorobenzene	ND		99	13
124-48-1	Dibromochloromethane	ND		99	48
75-00-3	Chloroethane	ND		99	21
67-66-3	Chloroform	ND		99	68
74-87-3	Chloromethane	72.9	J	99	23
156-59-2	cis-1,2-Dichloroethene	ND		99	27
10061-01-5	cis-1,3-Dichloropropene	ND		99	24
110-82-7	Cyclohexane	ND		99	22
75-71-8	Dichlorodifluoromethane	102		99	43
100-41-4	Ethylbenzene	ND		99	29
98-82-8	Isopropylbenzene	ND		99	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-203894/2-A

Matrix: Solid | Lab File ID: G34299.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.07(g) | Date Analyzed: 09/25/2014 15:11

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 204342 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		99	47
1634-04-4	Methyl tert-butyl ether	ND		99	37
108-87-2	Methylcyclohexane	ND		99	46
75-09-2	Methylene Chloride	ND		99	20
100-42-5	Styrene	ND		99	24
127-18-4	Tetrachloroethene	ND		99	13
108-88-3	Toluene	ND		99	26
156-60-5	trans-1,2-Dichloroethene	ND		99	23
10061-02-6	trans-1,3-Dichloropropene	ND		99	9.7
79-01-6	Trichloroethene	ND		99	27
75-69-4	Trichlorofluoromethane	ND		99	46
75-01-4	Vinyl chloride	68.6	J	99	33
1330-20-7	Xylenes, Total	ND		200	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		53-146
2037-26-5	Toluene-d8 (Surr)	108		50-149
460-00-4	4-Bromofluorobenzene (Surr)	110		49-148

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34299.D
Lims ID: MB 480-203894/2-A
Client ID:
Sample Type: MB
Inject. Date: 25-Sep-2014 15:11:30 ALS Bottle#: 74 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-203894/2-A
Misc. Info.: 480-0035718-026480-0035718-026
Operator ID: CN Instrument ID: HP5973G

Method: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2014 18:07:23 Calib Date: 24-Sep-2014 10:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34248.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: nguyendudziaknq Date: 25-Sep-2014 18:07:28

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	5.578	5.584	-0.006	98	166461	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.577	8.577	0.000	89	344248	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.955	10.955	0.000	97	290773	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.986	4.992	-0.006	92	186674	25.0	26.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.291	5.297	-0.006	0	152482	25.0	27.7	
$ 5 Toluene-d8 (Surr)	98	7.090	7.096	-0.006	94	872931	25.0	27.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.821	9.821	0.000	84	240551	25.0	27.5	
10 Dichlorodifluoromethane	85	1.414	1.414	0.000	98	14793		1.03	
11 Chlorodifluoromethane	51		1.450					ND	
12 Chloromethane	50	1.572	1.572	0.000	95	8017		0.7397	
13 Vinyl chloride	62	1.688	1.688	0.000	96	8133		0.6960	
144 Butadiene	54	1.713	1.719	-0.006	90	2170		0.2306	
14 Bromomethane	94	1.987	1.987	0.000	64	2097		2.61	
15 Chloroethane	64		2.127					ND	
16 Dichlorofluoromethane	67		2.328					ND	
17 Trichlorofluoromethane	101	2.298	2.347	-0.049	67	5031		0.3482	
141 Ethanol	45		2.597					ND	
18 Ethyl ether	59		2.609					ND	
68 Propene oxide	58		2.688					ND	
19 Acrolein	56		2.767					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.859					ND	
20 1,1-Dichloroethene	96		2.865					ND	
22 Acetone	43	2.944	2.926	0.018	82	3293		0.99	
23 Iodomethane	142		3.035					ND	
24 Carbon disulfide	76		3.060					ND	
25 Isopropyl alcohol	45		3.109					ND	
26 3-Chloro-1-propene	41		3.182					ND	
27 Acetonitrile	40		3.224					ND	
28 Methyl acetate	43		3.224					ND	
29 Methylene Chloride	84	3.395	3.377	0.018	88	1399		0.1226	
30 2-Methyl-2-propanol	59		3.487					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		3.554					ND	
32 trans-1,2-Dichloroethene	96		3.566					ND	
33 Acrylonitrile	53		3.590					ND	
34 Hexane	57		3.779					ND	
36 1,1-Dichloroethane	63		3.974					ND	
37 Isopropyl ether	45		4.005					ND	
38 Vinyl acetate	43		4.023					ND	
39 2-Chloro-1,3-butadiene	53		4.047					ND	
40 1,1-Dimethoxyethane	75		4.072					ND	
41 Tert-butyl ethyl ether	59		4.346					ND	
42 2,2-Dichloropropane	77		4.499					ND	
43 cis-1,2-Dichloroethene	96		4.523					ND	
44 2-Butanone (MEK)	43		4.553					ND	
45 Ethyl acetate	43		4.596					ND	
46 Propionitrile	54		4.639					ND	
48 Chlorobromomethane	128		4.755					ND	
47 Methacrylonitrile	41		4.761					ND	
49 Tetrahydrofuran	42	4.822	4.791	0.031	79	3811		1.12	
50 Chloroform	85		4.834					ND	
51 1,1,1-Trichloroethane	97		4.962					ND	
52 Cyclohexane	56		4.986					ND	
53 Carbon tetrachloride	117		5.108					ND	
54 1,1-Dichloropropene	75		5.114					ND	
55 Isobutyl alcohol	43		5.303					ND	
56 Benzene	78		5.316					ND	
146 Isooctane	57		5.346					ND	
57 1,2-Dichloroethane	62		5.364					ND	
140 t-Amyl alcohol	59		5.370					ND	
58 Tert-amyl methyl ether	73		5.401					ND	
59 n-Heptane	43		5.517					ND	
1 1,4-Difluorobenzene	114		5.693					ND	
60 n-Butanol	56		5.925					ND	
61 Trichloroethene	95		5.925					ND	
145 Ethyl acrylate	55		6.041					ND	
62 Methylcyclohexane	83		6.065					ND	
63 1,2-Dichloropropane	63		6.157					ND	
64 Methyl methacrylate	41		6.254					ND	
65 Dibromomethane	93		6.285					ND	
66 1,4-Dioxane	88		6.303					ND	
67 Dichlorobromomethane	83		6.437					ND	
69 2-Nitropropane	43		6.675					ND	
70 2-Chloroethyl vinyl ether	63		6.718					ND	
71 Epichlorohydrin	57		6.803					ND	
72 cis-1,3-Dichloropropene	75		6.858					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.998					ND	
74 Toluene	92		7.163					ND	
75 2-Methylthiophene	97		7.297					ND	
76 trans-1,3-Dichloropropene	75		7.419					ND	
77 3-Methylthiophene	97		7.461					ND	
78 Ethyl methacrylate	69		7.474					ND	
79 1,1,2-Trichloroethane	83		7.608					ND	
80 Tetrachloroethene	166		7.705					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		7.772					ND	
82 2-Hexanone	43		7.839					ND	
149 n-Butyl acetate	43		7.955					ND	
83 Chlorodibromomethane	129		8.010					ND	
84 Ethylene Dibromide	107		8.120					ND	
139 1-Chlorohexane	55		8.559					ND	
85 3-Chlorobenzotrifluoride	180		8.577					ND	
86 Chlorobenzene	112		8.608					ND	
87 4-Chlorobenzotrifluoride	180		8.638					ND	
88 1,1,1,2-Tetrachloroethane	131		8.699					ND	
89 Ethylbenzene	91		8.699					ND	
90 m-Xylene & p-Xylene	106		8.821					ND	
91 o-Xylene	106		9.254					ND	
92 Styrene	104		9.278					ND	
93 Bromoform	173		9.516					ND	
94 2-Chlorobenzotrifluoride	180		9.546					ND	
95 Isopropylbenzene	105		9.632					ND	
96 Cyclohexanone	55		9.778					ND	
97 Bromobenzene	156		9.973					ND	
98 1,1,2,2-Tetrachloroethane	83		10.004					ND	
99 1,2,3-Trichloropropane	110		10.040					ND	
100 trans-1,4-Dichloro-2-buten	53		10.052					ND	
101 N-Propylbenzene	91		10.058					ND	
102 2-Chlorotoluene	126		10.156					ND	
103 3-Chlorotoluene	126		10.223					ND	
104 1,3,5-Trimethylbenzene	105		10.229					ND	
105 4-Chlorotoluene	126		10.266					ND	
106 tert-Butylbenzene	134		10.546					ND	
108 Pentachloroethane	167		10.601					ND	
107 1,2,4-Trimethylbenzene	105		10.601					ND	
109 sec-Butylbenzene	105		10.760					ND	
110 1,3-Dichlorobenzene	146		10.888					ND	
111 4-Isopropyltoluene	119		10.894					ND	
112 Dicyclopentadiene	66		10.967					ND	
113 1,4-Dichlorobenzene	146		10.973					ND	
114 1,2,3-Trimethylbenzene	105		11.003					ND	
143 Benzyl chloride	126		11.113					ND	
115 n-Butylbenzene	91		11.278					ND	
116 1,2-Dichlorobenzene	146		11.320					ND	
117 1,2-Dibromo-3-Chloropropan	75		12.040					ND	
118 1,3,5-Trichlorobenzene	180		12.192					ND	
119 1,2,4-Trichlorobenzene	180	12.735	12.729	0.006	89	1335		0.1038	
120 Hexachlorobutadiene	225	12.851	12.845	0.006	85	836		0.1457	
121 Naphthalene	128	12.942	12.936	0.006	95	3644		0.1202	
122 1,2,3-Trichlorobenzene	180	13.143	13.143	0.000	87	1750		0.1550	
142 2-Methylnaphthalene	142	13.850	13.850	0.000	91	681		3.07	
135 Halothane	1		0.000					ND	
138 Pentachloroethane TIC	1		0.000					ND	
134 Propene oxide TIC	1		0.000					ND	
137 Ethylene oxide TIC	1		0.000					ND	
136 1-Bromopropane TIC	1		0.000					ND	
S 125 1,2-Dichloroethene, 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 126 1,3-Dichloropropene, Total	1		30.000					0	
S 123 Total BTEX	1		30.000					0	
S 124 Xylenes, Total	1		30.000					0	
T 130 Aziridine TIC	1		0.000					0	
T 128 Hexachloroethane TIC	1		0.000					0	
T 131 bis(chloromethyl)ether TIC	1		0.000					0	
T 133 1-Bromopropane	1		0.000					0	
T 132 Bromoethane TIC	1		0.000					0	
T 129 tert-amyl alcohol TIC	1		0.000					0	
T 8 bis(2-chloromethyl)ether T	1		0.000					0	
T 127 Ethanol TIC	45		0.000					0	
T 9 Ethylene oxide	1		0.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_IS_00065	Amount Added:	1.00	Units: uL	Run Reagent
G_8260_Surr_00081	Amount Added:	1.00	Units: uL	Run Reagent

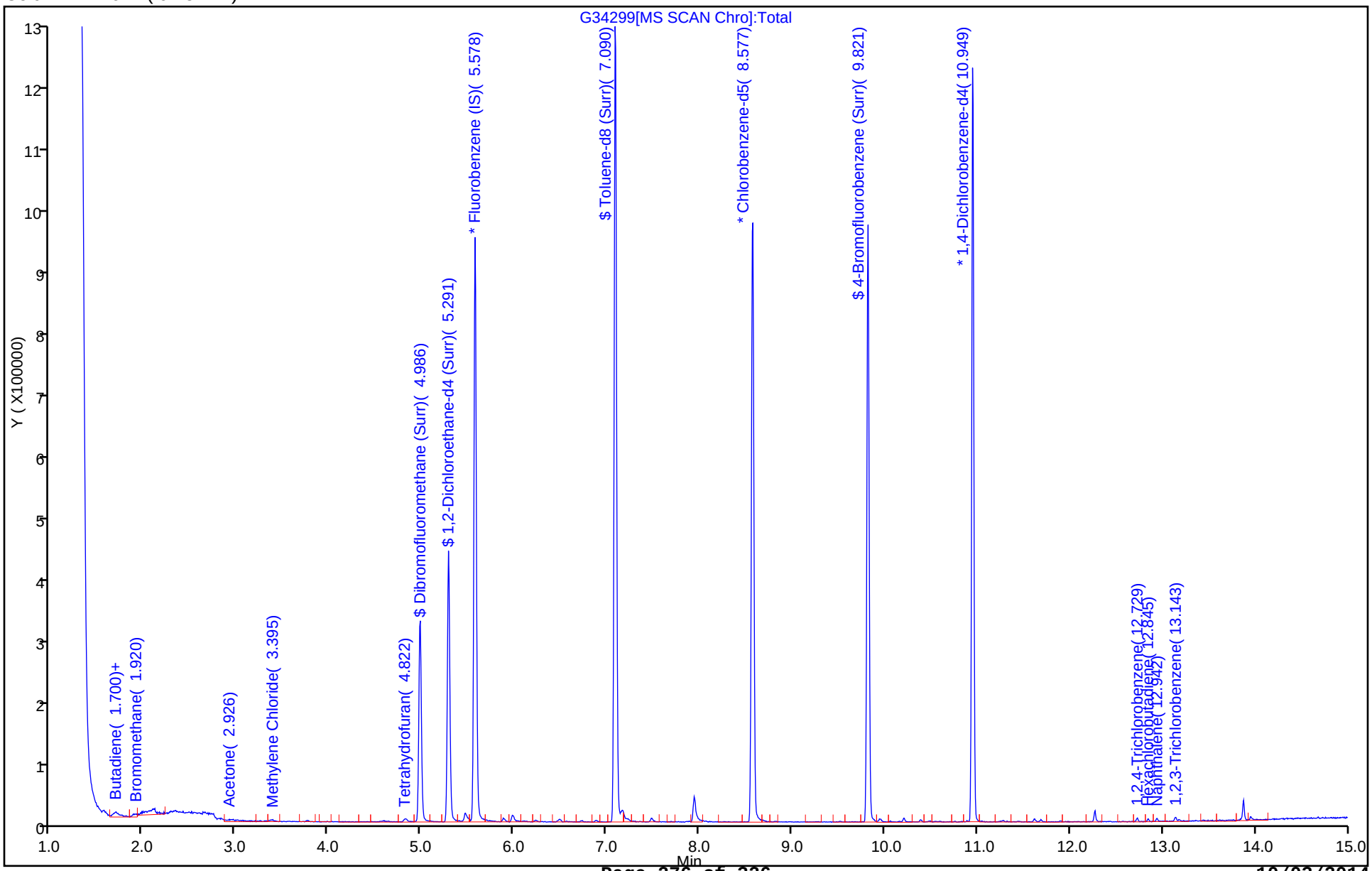
Report Date: 25-Sep-2014 18:07:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34299.D

Injection Date:	25-Sep-2014 15:11:30	Instrument ID:	HP5973G	Operator ID:	CN
Lims ID:	MB 480-203894/2-A			Worklist Smp#:	26
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	74
Method:	G-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Report Date: 25-Sep-2014 18:07:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34299.D

Injection Date: 25-Sep-2014 15:11:30 Instrument ID: HP5973G

Lims ID: MB 480-203894/2-A

Client ID:

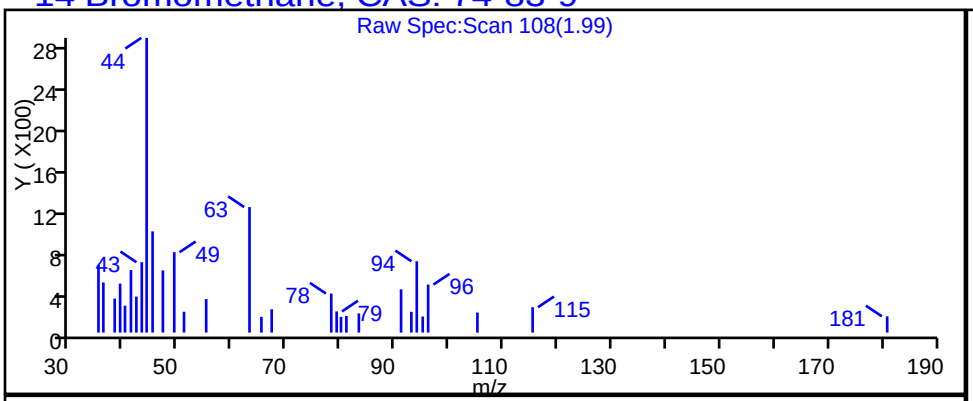
Operator ID: CN ALS Bottle#: 74 Worklist Smp#: 26

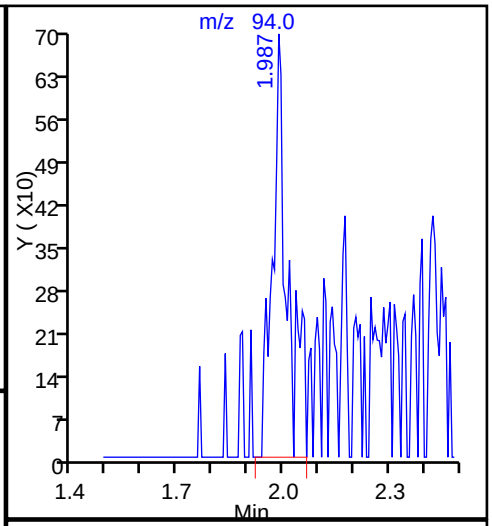
Purge Vol: 5.000 mL Dil. Factor: 1.0000

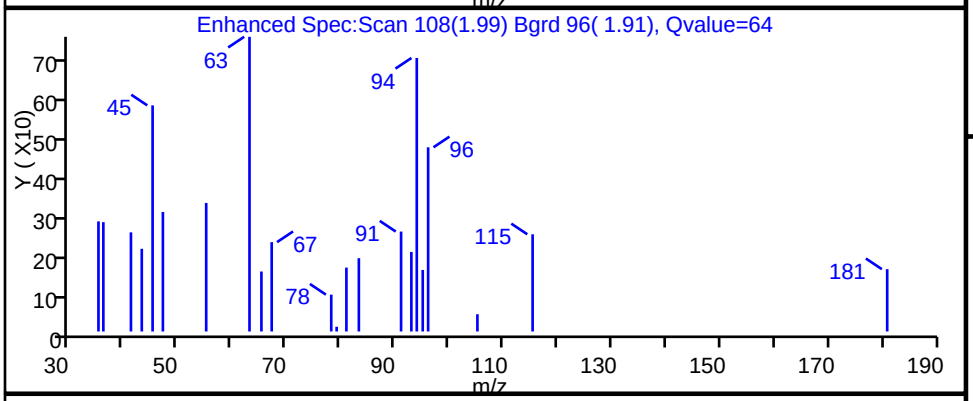
Method: G-8260 Limit Group: MV - 8260C ICAL

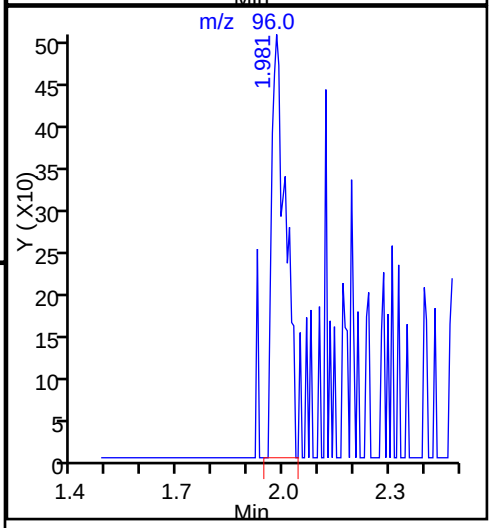
Column: ZB-624 (0.25 mm) Detector MS SCAN

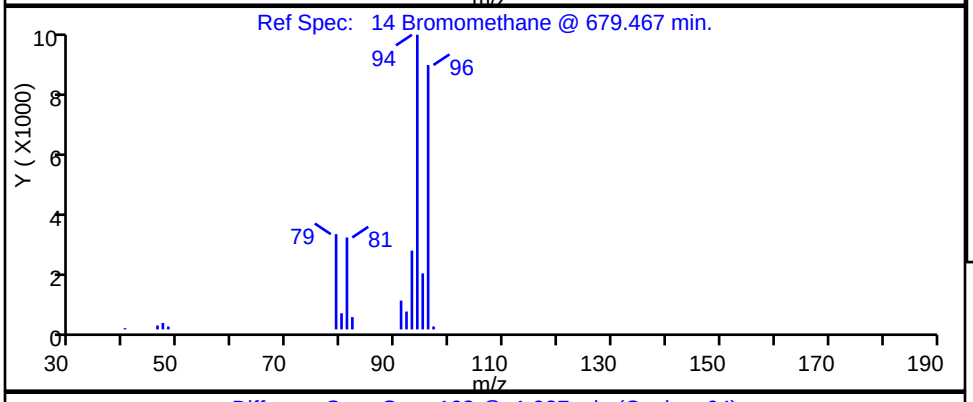
14 Bromomethane, CAS: 74-83-9

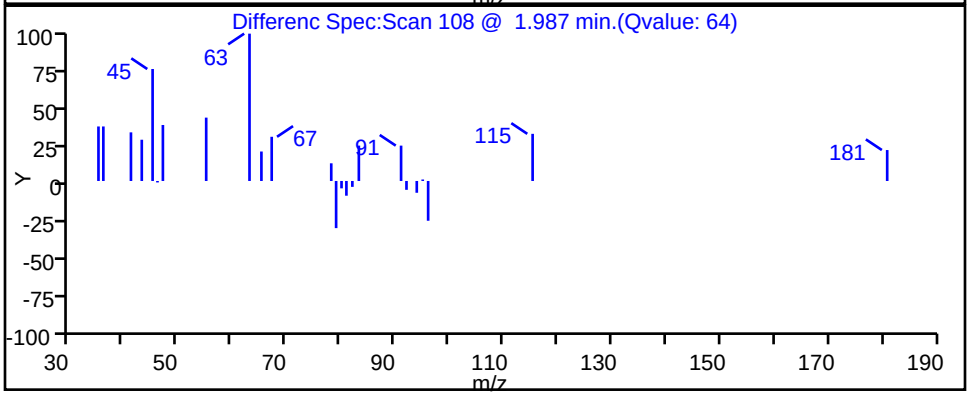












Report Date: 25-Sep-2014 18:07:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34299.D

Injection Date: 25-Sep-2014 15:11:30 Instrument ID: HP5973G

Lims ID: MB 480-203894/2-A

Client ID:

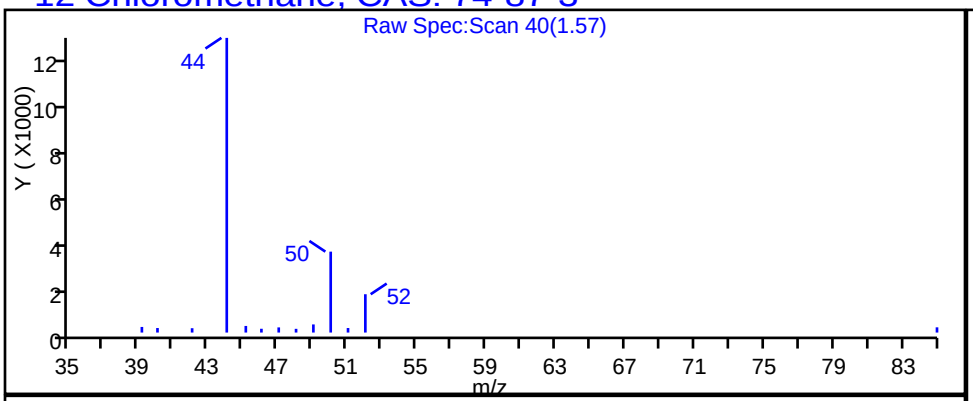
Operator ID: CN ALS Bottle#: 74 Worklist Smp#: 26

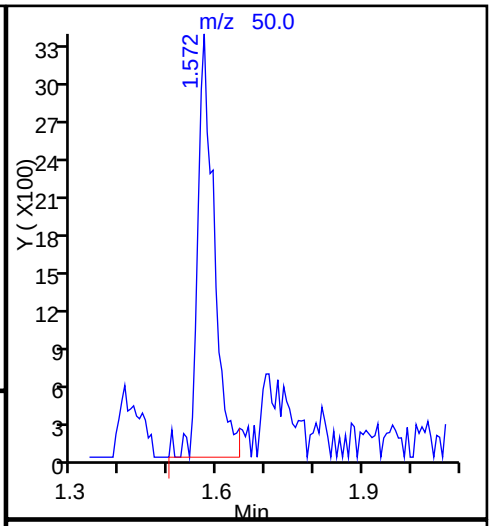
Purge Vol: 5.000 mL Dil. Factor: 1.0000

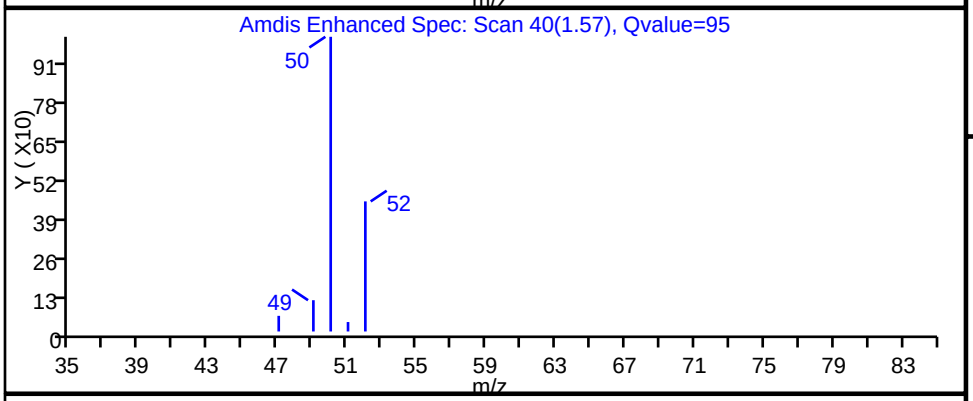
Method: G-8260 Limit Group: MV - 8260C ICAL

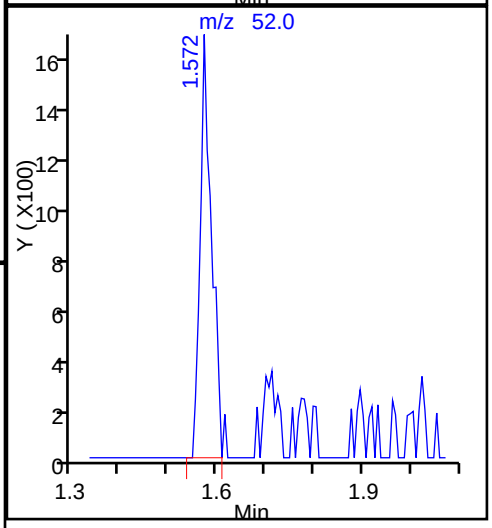
Column: ZB-624 (0.25 mm) Detector MS SCAN

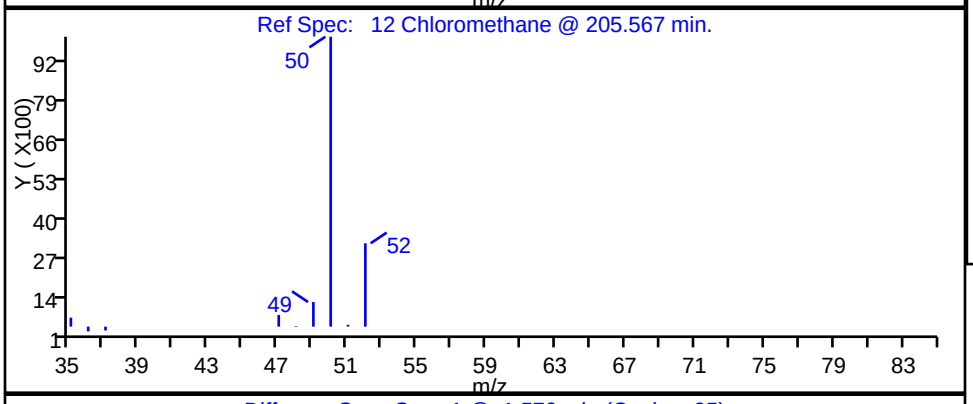
12 Chloromethane, CAS: 74-87-3

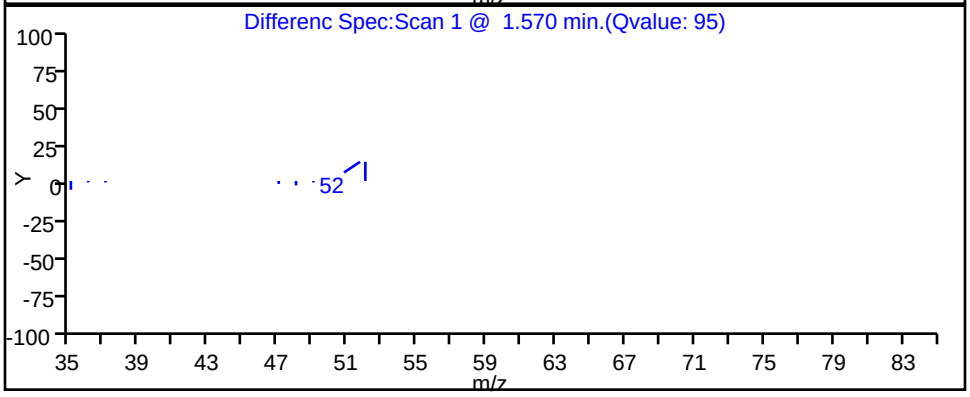












Report Date: 25-Sep-2014 18:07:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34299.D

Injection Date: 25-Sep-2014 15:11:30 Instrument ID: HP5973G

Lims ID: MB 480-203894/2-A

Client ID:

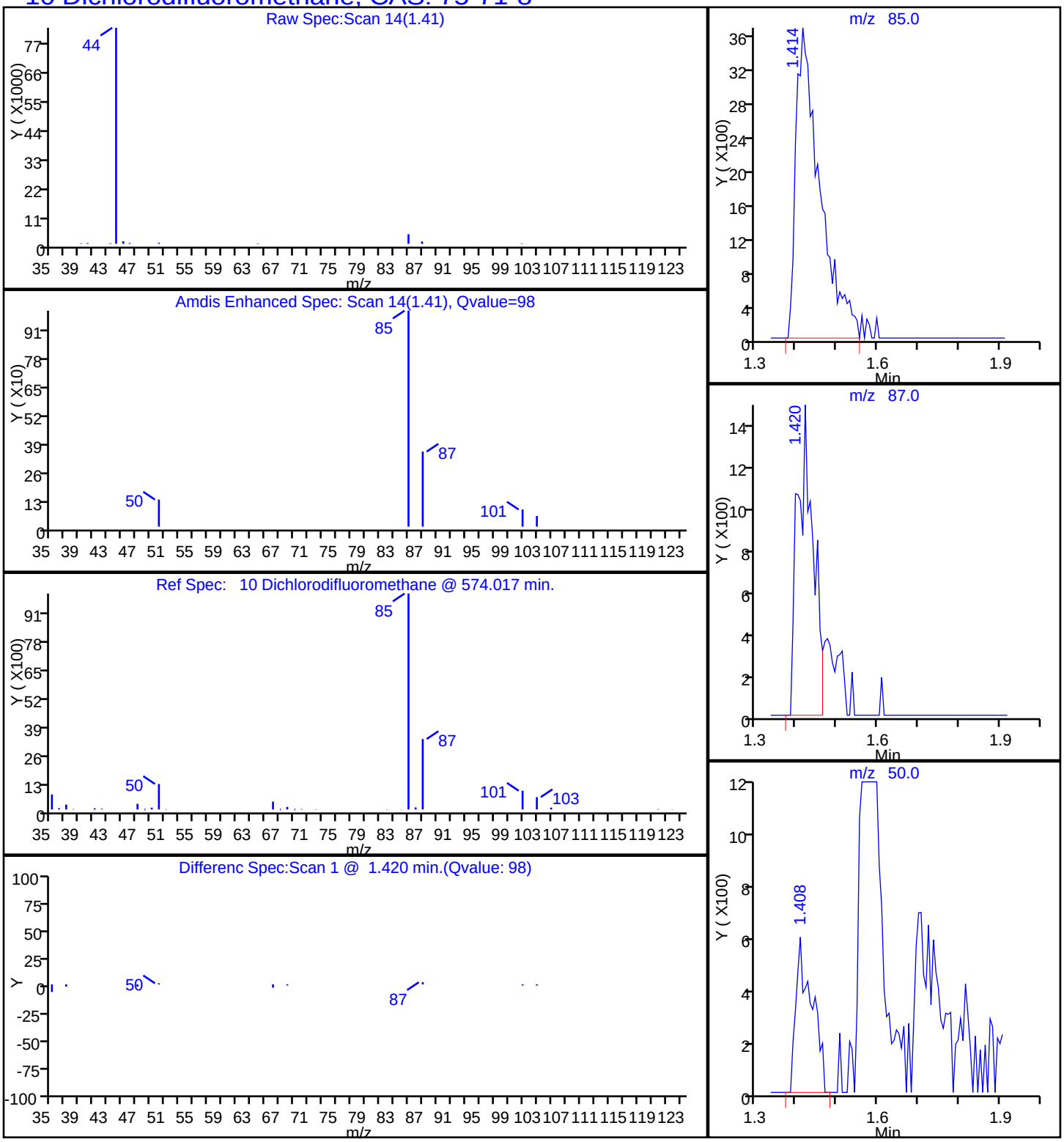
Operator ID: CN ALS Bottle#: 74 Worklist Smp#: 26

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

10 Dichlorodifluoromethane, CAS: 75-71-8



Report Date: 25-Sep-2014 18:07:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34299.D

Injection Date: 25-Sep-2014 15:11:30 Instrument ID: HP5973G

Lims ID: MB 480-203894/2-A

Client ID:

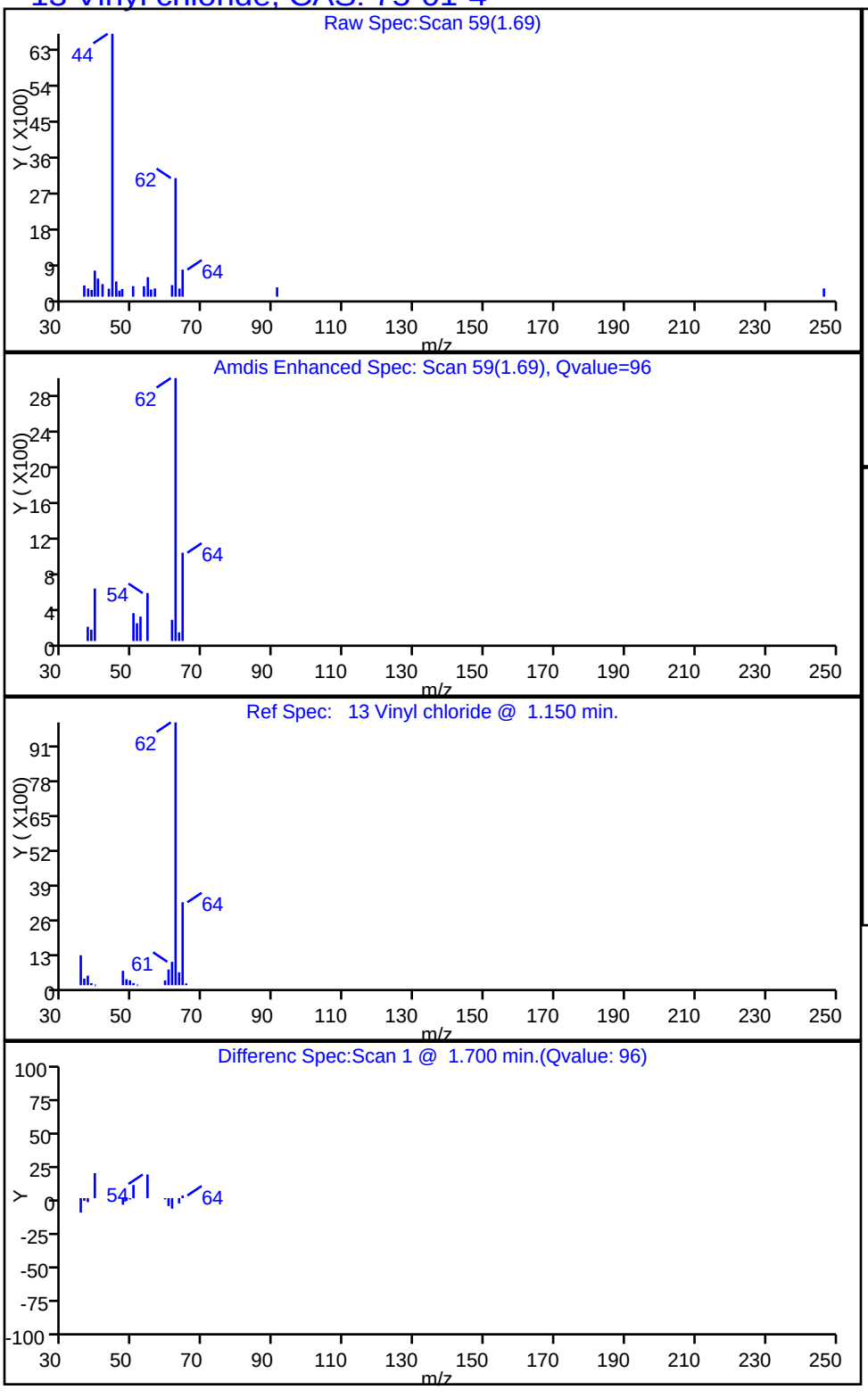
Operator ID: CN ALS Bottle#: 74 Worklist Smp#: 26

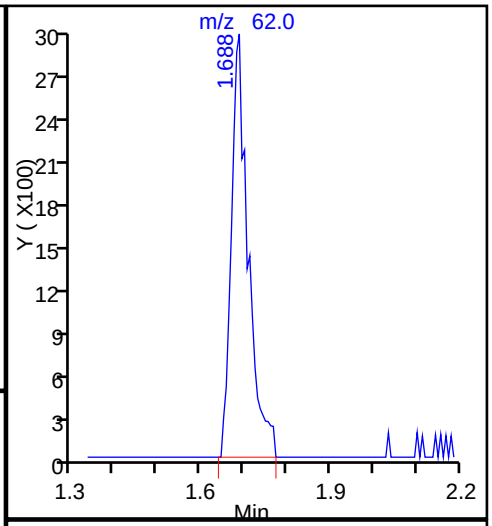
Purge Vol: 5.000 mL Dil. Factor: 1.0000

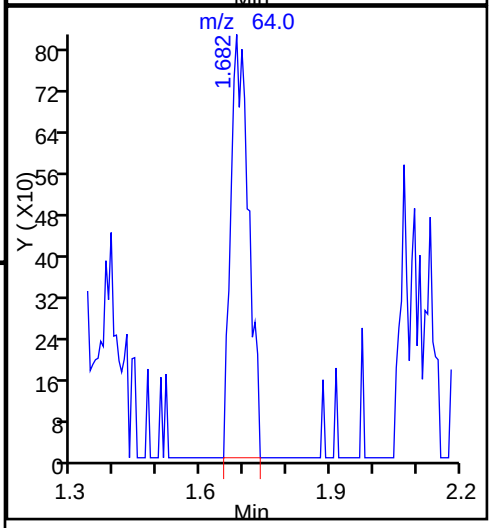
Method: G-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm) Detector MS SCAN

13 Vinyl chloride, CAS: 75-01-4







FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-202965/5

Matrix: Solid | Lab File ID: F2180.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/17/2014 22:31

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.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	52.9		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	50.2		5.0	0.81
79-00-5	1,1,2-Trichloroethane	50.3		5.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	51.9		5.0	1.1
75-34-3	1,1-Dichloroethane	48.6		5.0	0.61
75-35-4	1,1-Dichloroethene	50.7		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	50.2		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	52.3		5.0	2.5
106-93-4	1,2-Dibromoethane	54.9		5.0	0.64
95-50-1	1,2-Dichlorobenzene	47.0		5.0	0.39
107-06-2	1,2-Dichloroethane	51.8		5.0	0.25
78-87-5	1,2-Dichloropropane	48.3		5.0	2.5
541-73-1	1,3-Dichlorobenzene	46.5		5.0	0.26
106-46-7	1,4-Dichlorobenzene	46.4		5.0	0.70
591-78-6	2-Hexanone	280		25	2.5
78-93-3	2-Butanone (MEK)	292		25	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	273		25	1.6
67-64-1	Acetone	281		25	4.2
71-43-2	Benzene	49.7		5.0	0.25
75-27-4	Bromodichloromethane	55.4		5.0	0.67
75-25-2	Bromoform	53.2		5.0	2.5
74-83-9	Bromomethane	48.0		5.0	0.45
75-15-0	Carbon disulfide	47.0		5.0	2.5
56-23-5	Carbon tetrachloride	56.4		5.0	0.48
108-90-7	Chlorobenzene	48.3		5.0	0.66
124-48-1	Dibromochloromethane	49.5		5.0	0.64
75-00-3	Chloroethane	44.7		5.0	1.1
67-66-3	Chloroform	50.5		5.0	0.31
74-87-3	Chloromethane	45.9		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	51.1		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	51.5		5.0	0.72
110-82-7	Cyclohexane	47.2		5.0	0.70
75-71-8	Dichlorodifluoromethane	47.1		5.0	0.41
100-41-4	Ethylbenzene	47.9		5.0	0.35
98-82-8	Isopropylbenzene	44.7		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-202965/5

Matrix: Solid | Lab File ID: F2180.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/17/2014 22:31

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.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	290		5.0	3.0
1634-04-4	Methyl tert-butyl ether	52.7		5.0	0.49
108-87-2	Methylcyclohexane	50.6		5.0	0.76
75-09-2	Methylene Chloride	45.2		5.0	2.3
100-42-5	Styrene	49.3		5.0	0.25
127-18-4	Tetrachloroethene	52.6		5.0	0.67
108-88-3	Toluene	46.0		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	50.5		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	50.9		5.0	2.2
79-01-6	Trichloroethene	51.3		5.0	1.1
75-69-4	Trichlorofluoromethane	50.5		5.0	0.47
75-01-4	Vinyl chloride	48.1		5.0	0.61
1330-20-7	Xylenes, Total	96.7		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
2037-26-5	Toluene-d8 (Surr)	97		71-125
460-00-4	4-Bromofluorobenzene (Surr)	110		72-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2180.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 17-Sep-2014 22:31:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0035460-005480-0035460-005
Operator ID: CDC Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2014 21:57:58 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: cwiklinc Date: 17-Sep-2014 23:18:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	99	122901	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	85	255181	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	94	260899	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.915	4.915	0.000	93	133571	50.0	53.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	84585	50.0	53.1	
$ 5 Toluene-d8 (Surr)	98	6.825	6.825	0.000	93	506127	50.0	48.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.490	9.484	0.006	92	178046	50.0	54.9	
10 Dichlorodifluoromethane	85	1.934	1.934	0.000	99	225255	50.0	47.1	
12 Chloromethane	50	2.092	2.098	-0.006	99	203940	50.0	45.9	
13 Vinyl chloride	62	2.202	2.208	-0.006	98	211599	50.0	48.1	
151 Butadiene	54	2.220	2.220	0.000	92	190011	50.0	47.1	
14 Bromomethane	94	2.500	2.500	0.000	91	104606	50.0	48.0	
15 Chloroethane	64	2.561	2.567	-0.006	99	94673	50.0	44.7	
16 Dichlorofluoromethane	67	2.737	2.743	-0.006	99	242624	50.0	45.6	
17 Trichlorofluoromethane	101	2.773	2.780	-0.007	99	216094	50.0	50.5	
18 Ethyl ether	59	2.950	2.956	-0.006	88	142873	50.0	50.7	
20 Acrolein	56	3.114	3.114	0.000	99	153323	250.0	285.4	
21 1,1,2-Trichloro-1,2,2-trif	101	3.151	3.157	-0.006	93	154911	50.0	51.9	
22 1,1-Dichloroethene	96	3.181	3.187	-0.006	99	147991	50.0	50.7	
23 Acetone	43	3.224	3.224	0.000	99	291534	250.0	280.9	
25 Iodomethane	142	3.333	3.339	-0.006	99	266181	50.0	50.5	
26 Carbon disulfide	76	3.388	3.394	-0.006	99	534105	50.0	47.0	
27 Methyl acetate	43	3.443	3.443	0.000	97	714009	250.0	289.7	
28 3-Chloro-1-propene	41	3.449	3.449	0.000	86	228261	50.0	45.8	
30 Methylene Chloride	84	3.564	3.564	0.000	86	168257	50.0	45.2	
31 2-Methyl-2-propanol	59	3.607	3.607	0.000	100	218215	500.0	659.1	
32 Methyl tert-butyl ether	73	3.716	3.716	0.000	93	526535	50.0	52.7	
34 trans-1,2-Dichloroethene	96	3.747	3.753	-0.006	98	166324	50.0	50.5	
33 Acrylonitrile	53	3.759	3.765	-0.006	99	625912	500.0	599.2	
35 Hexane	57	3.881	3.887	-0.006	94	217230	50.0	44.2	
37 Vinyl acetate	43	4.069	4.069	0.000	97	450010	100.0	110.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
39 1,1-Dichloroethane	63	4.081	4.081	0.000	96	275873	50.0	48.6	
43 2-Butanone (MEK)	43	4.526	4.526	0.000	99	438380	250.0	291.8	
44 2,2-Dichloropropane	77	4.526	4.532	-0.006	88	247817	50.0	53.0	
45 cis-1,2-Dichloroethene	96	4.538	4.538	0.000	84	182378	50.0	51.1	
48 Chlorobromomethane	128	4.745	4.745	0.000	87	89777	50.0	54.0	
49 Tetrahydrofuran	42	4.763	4.763	0.000	82	112886	100.0	118.8	
50 Chloroform	83	4.775	4.781	-0.006	95	293074	50.0	50.5	
51 1,1,1-Trichloroethane	97	4.927	4.927	0.000	98	250350	50.0	52.9	
52 Cyclohexane	56	4.951	4.957	-0.006	87	240758	50.0	47.2	
54 1,1-Dichloropropene	75	5.043	5.043	0.000	95	214335	50.0	49.9	
55 Carbon tetrachloride	117	5.055	5.055	0.000	99	213256	50.0	56.4	
53 Isobutyl alcohol	43	5.103	5.097	0.006	92	226567	1250.0	1599.3	
57 Benzene	78	5.231	5.231	0.000	95	656764	50.0	49.7	
58 1,2-Dichloroethane	62	5.268	5.268	0.000	98	237423	50.0	51.8	
59 n-Heptane	43	5.316	5.316	0.000	89	229617	50.0	47.2	
62 Trichloroethene	95	5.748	5.748	0.000	97	170937	50.0	51.3	
64 Methylcyclohexane	83	5.888	5.888	0.000	87	287790	50.0	50.6	
65 1,2-Dichloropropane	63	5.973	5.973	0.000	91	148775	50.0	48.3	
66 1,4-Dioxane	88	6.083	6.077	0.006	90	42675	1000.0	1344.5	
67 Dibromomethane	93	6.101	6.101	0.000	94	104433	50.0	54.4	
68 Dichlorobromomethane	83	6.211	6.217	-0.006	100	213689	50.0	55.4	
69 2-Chloroethyl vinyl ether	63	6.424	6.424	0.000	94	103642	50.0	55.0	
72 cis-1,3-Dichloropropene	75	6.594	6.594	0.000	95	256239	50.0	51.5	
73 4-Methyl-2-pentanone (MIBK	43	6.691	6.691	0.000	96	854601	250.0	272.6	
74 Toluene	92	6.886	6.886	0.000	98	423800	50.0	46.0	
75 Ethyl methacrylate	69	7.105	7.105	0.000	85	233849	50.0	52.6	
77 trans-1,3-Dichloropropene	75	7.111	7.111	0.000	94	229476	50.0	50.9	
79 1,1,2-Trichloroethane	83	7.306	7.306	0.000	93	120430	50.0	50.3	
81 Tetrachloroethene	166	7.409	7.409	0.000	99	187291	50.0	52.6	
82 1,3-Dichloropropane	76	7.470	7.470	0.000	94	257103	50.0	50.1	
80 2-Hexanone	43	7.482	7.482	0.000	96	632382	250.0	280.2	
83 Chlorodibromomethane	129	7.719	7.713	0.006	89	154404	50.0	49.5	
84 Ethylene Dibromide	107	7.847	7.847	0.000	98	155740	50.0	54.9	
87 Chlorobenzene	112	8.297	8.297	0.000	95	455063	50.0	48.3	
88 Ethylbenzene	91	8.358	8.358	0.000	98	789700	50.0	47.9	
89 1,1,1,2-Tetrachloroethane	131	8.376	8.370	0.006	94	156290	50.0	54.0	
90 m-Xylene & p-Xylene	106	8.474	8.474	0.000	0	307994	50.0	48.0	
91 o-Xylene	106	8.906	8.906	0.000	97	296825	50.0	48.7	
92 Styrene	104	8.930	8.930	0.000	94	513753	50.0	49.3	
95 Bromoform	173	9.204	9.204	0.000	97	100419	50.0	53.2	
94 Isopropylbenzene	105	9.271	9.271	0.000	96	774670	50.0	44.7	
97 1,1,2,2-Tetrachloroethane	83	9.648	9.648	0.000	98	201910	50.0	50.2	
101 Bromobenzene	156	9.654	9.654	0.000	91	209145	50.0	47.2	
98 trans-1,4-Dichloro-2-buten	53	9.691	9.690	0.000	60	61411	50.0	51.9	
99 N-Propylbenzene	91	9.691	9.690	0.000	99	930754	50.0	44.3	
100 1,2,3-Trichloropropane	110	9.703	9.703	0.000	85	66056	50.0	52.6	
103 2-Chlorotoluene	126	9.824	9.824	0.000	97	186693	50.0	45.6	
102 1,3,5-Trimethylbenzene	105	9.855	9.855	0.000	94	656066	50.0	44.8	
105 4-Chlorotoluene	126	9.928	9.928	0.000	98	196173	50.0	45.7	
106 tert-Butylbenzene	134	10.177	10.177	0.000	92	148748	50.0	45.7	
107 1,2,4-Trimethylbenzene	105	10.226	10.226	0.000	97	675199	50.0	44.6	
109 sec-Butylbenzene	105	10.378	10.378	0.000	94	834349	50.0	45.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
110 4-Isopropyltoluene	119	10.506	10.506	0.000	96	743701	50.0	45.9	
111 1,3-Dichlorobenzene	146	10.542	10.542	0.000	97	394202	50.0	46.5	
113 1,4-Dichlorobenzene	146	10.621	10.621	0.000	94	399501	50.0	46.4	
115 n-Butylbenzene	91	10.877	10.877	0.000	98	662511	50.0	44.7	
116 1,2-Dichlorobenzene	146	10.968	10.962	0.006	98	378468	50.0	47.0	
117 1,2-Dibromo-3-Chloropropan	75	11.643	11.643	0.000	84	38811	50.0	52.3	
119 1,2,4-Trichlorobenzene	180	12.282	12.282	0.000	94	272008	50.0	50.2	
120 Hexachlorobutadiene	225	12.379	12.379	0.000	97	158523	50.0	50.4	
121 Naphthalene	128	12.513	12.513	0.000	97	676437	50.0	52.8	
122 1,2,3-Trichlorobenzene	180	12.726	12.726	0.000	95	257182	50.0	51.4	

Reagents:

8260 CORP mix_00020	Amount Added: 25.00	Units: uL	
GAS CORP mix_00046	Amount Added: 25.00	Units: uL	
F 8260 SURR_00109	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00268	Amount Added: 1.00	Units: uL	Run Reagent

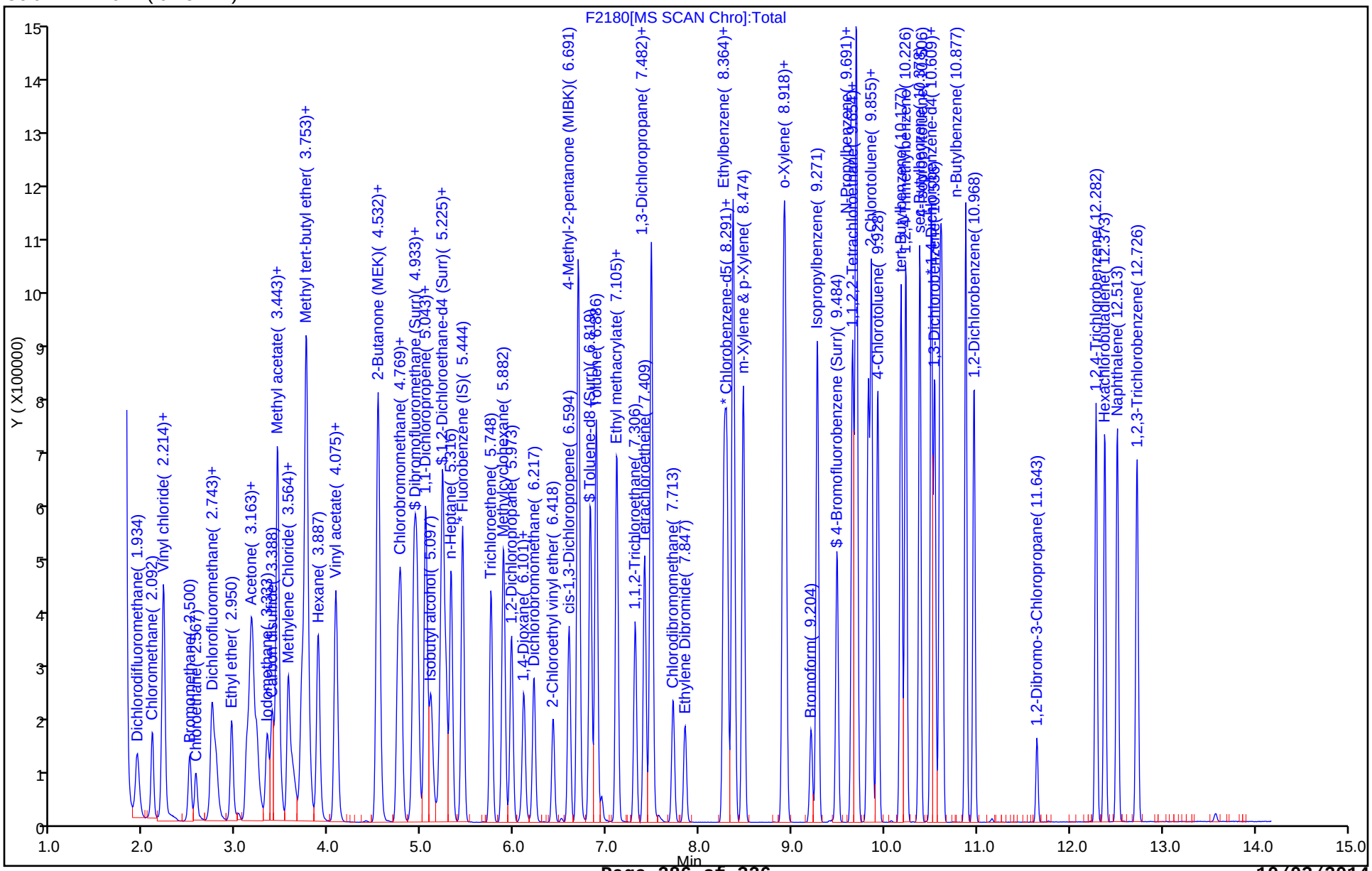
Report Date: 18-Sep-2014 21:58:00 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2180.D

Injection Date:	17-Sep-2014 22:31:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	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.: 480-67484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-203192/6

Matrix: Solid | Lab File ID: F2209.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/18/2014 22:57

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.: 203192 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	56.0		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	45.1		5.0	0.81
79-00-5	1,1,2-Trichloroethane	48.6		5.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	54.7		5.0	1.1
75-34-3	1,1-Dichloroethane	51.4		5.0	0.61
75-35-4	1,1-Dichloroethene	53.6		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	48.7		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	44.4		5.0	2.5
106-93-4	1,2-Dibromoethane	51.4		5.0	0.64
95-50-1	1,2-Dichlorobenzene	45.3		5.0	0.39
107-06-2	1,2-Dichloroethane	53.5		5.0	0.25
78-87-5	1,2-Dichloropropane	51.0		5.0	2.5
541-73-1	1,3-Dichlorobenzene	45.4		5.0	0.26
106-46-7	1,4-Dichlorobenzene	45.4		5.0	0.70
591-78-6	2-Hexanone	242		25	2.5
78-93-3	2-Butanone (MEK)	268		25	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	238		25	1.6
67-64-1	Acetone	260		25	4.2
71-43-2	Benzene	53.0		5.0	0.25
75-27-4	Bromodichloromethane	58.9		5.0	0.67
75-25-2	Bromoform	51.4		5.0	2.5
74-83-9	Bromomethane	51.9		5.0	0.45
75-15-0	Carbon disulfide	49.6		5.0	2.5
56-23-5	Carbon tetrachloride	60.6		5.0	0.48
108-90-7	Chlorobenzene	48.2		5.0	0.66
124-48-1	Dibromochloromethane	48.6		5.0	0.64
75-00-3	Chloroethane	50.6		5.0	1.1
67-66-3	Chloroform	53.9		5.0	0.31
74-87-3	Chloromethane	49.9		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	54.2		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	54.9		5.0	0.72
110-82-7	Cyclohexane	50.4		5.0	0.70
75-71-8	Dichlorodifluoromethane	53.8		5.0	0.41
100-41-4	Ethylbenzene	47.6		5.0	0.35
98-82-8	Isopropylbenzene	43.5		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-203192/6

Matrix: Solid | Lab File ID: F2209.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/18/2014 22:57

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.: 203192 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	271		5.0	3.0
1634-04-4	Methyl tert-butyl ether	54.8		5.0	0.49
108-87-2	Methylcyclohexane	54.7		5.0	0.76
75-09-2	Methylene Chloride	47.8		5.0	2.3
100-42-5	Styrene	48.6		5.0	0.25
127-18-4	Tetrachloroethene	52.6		5.0	0.67
108-88-3	Toluene	45.4		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	54.0		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	50.2		5.0	2.2
79-01-6	Trichloroethene	54.9		5.0	1.1
75-69-4	Trichlorofluoromethane	57.5		5.0	0.47
75-01-4	Vinyl chloride	52.1		5.0	0.61
1330-20-7	Xylenes, Total	95.3		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		64-126
2037-26-5	Toluene-d8 (Surr)	96		71-125
460-00-4	4-Bromofluorobenzene (Surr)	111		72-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F2209.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 18-Sep-2014 22:57:30 ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0035494-006480-0035494-006
Operator ID: CDC Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Sep-2014 00:08:58 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: cwiklinc Date: 19-Sep-2014 00:08:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.438	0.006	99	113278	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.261	0.006	85	254751	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	75	265773	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.915	4.915	0.000	69	133208	50.0	57.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.195	0.006	0	81127	50.0	55.2	
$ 5 Toluene-d8 (Surr)	98	6.819	6.819	0.000	82	498505	50.0	47.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.484	9.484	0.000	90	179999	50.0	55.6	
10 Dichlorodifluoromethane	85	1.934	1.934	0.000	98	236811	50.0	53.8	
12 Chloromethane	50	2.098	2.092	0.006	100	204189	50.0	49.9	
13 Vinyl chloride	62	2.208	2.202	0.006	98	211190	50.0	52.1	
151 Butadiene	54	2.220	2.220	0.000	90	193222	50.0	51.9	
14 Bromomethane	94	2.506	2.500	0.006	89	104301	50.0	51.9	
15 Chloroethane	64	2.567	2.567	0.000	100	98785	50.0	50.6	
16 Dichlorofluoromethane	67	2.743	2.737	0.006	94	252908	50.0	51.6	
17 Trichlorofluoromethane	101	2.780	2.774	0.006	97	226804	50.0	57.5	
18 Ethyl ether	59	2.956	2.950	0.006	87	132733	50.0	51.1	
20 Acrolein	56	3.114	3.108	0.006	91	134544	250.0	271.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.157	3.151	0.006	92	150701	50.0	54.7	
22 1,1-Dichloroethene	96	3.187	3.181	0.006	94	144186	50.0	53.6	
23 Acetone	43	3.224	3.218	0.006	98	248296	250.0	259.6	
25 Iodomethane	142	3.339	3.339	0.000	100	258499	50.0	53.2	
26 Carbon disulfide	76	3.400	3.394	0.006	99	519580	50.0	49.6	
27 Methyl acetate	43	3.443	3.443	0.000	96	615183	250.0	270.8	
28 3-Chloro-1-propene	41	3.449	3.443	0.006	42	222909	50.0	48.5	
30 Methylene Chloride	84	3.564	3.565	0.000	77	164073	50.0	47.8	
31 2-Methyl-2-propanol	59	3.613	3.607	0.006	96	184589	500.0	604.9	
32 Methyl tert-butyl ether	73	3.717	3.711	0.007	85	505070	50.0	54.8	
34 trans-1,2-Dichloroethene	96	3.753	3.747	0.006	72	163795	50.0	54.0	
33 Acrylonitrile	53	3.765	3.759	0.006	99	538987	500.0	559.8	
35 Hexane	57	3.887	3.881	0.006	89	212971	50.0	47.0	
37 Vinyl acetate	43	4.069	4.063	0.006	97	420204	100.0	111.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
39 1,1-Dichloroethane	63	4.088	4.082	0.006	97	268776	50.0	51.4	
43 2-Butanone (MEK)	43	4.526	4.520	0.006	95	370940	250.0	267.9	
44 2,2-Dichloropropane	77	4.532	4.526	0.006	64	241686	50.0	56.1	
45 cis-1,2-Dichloroethene	96	4.538	4.532	0.006	82	178267	50.0	54.2	
48 Chlorobromomethane	128	4.745	4.739	0.006	86	87472	50.0	57.1	
49 Tetrahydrofuran	42	4.763	4.757	0.006	74	94043	100.0	107.4	
50 Chloroform	83	4.781	4.775	0.006	94	288540	50.0	53.9	
51 1,1,1-Trichloroethane	97	4.927	4.921	0.006	93	244401	50.0	56.0	
52 Cyclohexane	56	4.951	4.952	-0.001	87	236908	50.0	50.4	
54 1,1-Dichloropropene	75	5.043	5.037	0.006	92	212420	50.0	53.7	
55 Carbon tetrachloride	117	5.055	5.049	0.006	77	211342	50.0	60.6	
53 Isobutyl alcohol	43	5.104	5.098	0.006	89	183592	1250.0	1406.1	
57 Benzene	78	5.231	5.225	0.006	96	645615	50.0	53.0	
58 1,2-Dichloroethane	62	5.268	5.262	0.006	83	226034	50.0	53.5	
59 n-Heptane	43	5.317	5.317	-0.001	88	226610	50.0	50.6	
62 Trichloroethene	95	5.748	5.749	0.000	95	168620	50.0	54.9	
64 Methylcyclohexane	83	5.888	5.882	0.006	86	286886	50.0	54.7	
65 1,2-Dichloropropane	63	5.974	5.968	0.006	88	144889	50.0	51.0	
66 1,4-Dioxane	88	6.077	6.077	0.000	73	35118	1000.0	1108.3	
67 Dibromomethane	93	6.107	6.101	0.006	89	100706	50.0	56.9	
68 Dichlorobromomethane	83	6.211	6.211	0.000	93	209244	50.0	58.9	
69 2-Chloroethyl vinyl ether	63	6.418	6.418	0.000	92	95534	50.0	55.0	
72 cis-1,3-Dichloropropene	75	6.594	6.588	0.006	88	251800	50.0	54.9	
73 4-Methyl-2-pentanone (MIBK	43	6.691	6.691	0.000	95	744339	250.0	237.8	
74 Toluene	92	6.886	6.886	0.000	88	418035	50.0	45.4	
75 Ethyl methacrylate	69	7.105	7.105	0.000	80	215624	50.0	48.6	
77 trans-1,3-Dichloropropene	75	7.111	7.105	0.006	94	226018	50.0	50.2	
79 1,1,2-Trichloroethane	83	7.306	7.306	0.000	93	115974	50.0	48.6	
81 Tetrachloroethene	166	7.409	7.409	0.000	98	186972	50.0	52.6	
82 1,3-Dichloropropane	76	7.470	7.470	0.000	74	245072	50.0	47.8	
80 2-Hexanone	43	7.482	7.482	0.000	91	545949	250.0	242.3	
83 Chlorodibromomethane	129	7.713	7.714	-0.001	87	151223	50.0	48.6	
84 Ethylene Dibromide	107	7.841	7.841	0.000	98	145367	50.0	51.4	
87 Chlorobenzene	112	8.297	8.291	0.006	93	453301	50.0	48.2	
88 Ethylbenzene	91	8.358	8.358	0.000	57	783416	50.0	47.6	
89 1,1,1,2-Tetrachloroethane	131	8.370	8.371	-0.001	47	154029	50.0	53.3	
90 m-Xylene & p-Xylene	106	8.474	8.474	0.000	0	304846	50.0	47.6	
91 o-Xylene	106	8.906	8.906	0.000	95	290410	50.0	47.7	
92 Styrene	104	8.930	8.930	0.000	94	505481	50.0	48.6	
95 Bromoform	173	9.204	9.204	0.000	95	96331	50.0	51.4	
94 Isopropylbenzene	105	9.271	9.271	0.000	95	767386	50.0	43.5	
97 1,1,2,2-Tetrachloroethane	83	9.648	9.648	0.000	79	184720	50.0	45.1	
101 Bromobenzene	156	9.654	9.654	0.000	91	206858	50.0	45.8	
98 trans-1,4-Dichloro-2-buten	53	9.691	9.691	0.000	15	55262	50.0	45.8	
99 N-Propylbenzene	91	9.691	9.691	0.000	92	924217	50.0	43.2	
100 1,2,3-Trichloropropane	110	9.703	9.697	0.006	24	59202	50.0	46.3	
103 2-Chlorotoluene	126	9.824	9.818	0.006	96	184458	50.0	44.3	
102 1,3,5-Trimethylbenzene	105	9.855	9.855	0.000	83	648374	50.0	43.5	
105 4-Chlorotoluene	126	9.928	9.928	0.000	88	195021	50.0	44.6	
106 tert-Butylbenzene	134	10.177	10.177	0.000	89	146122	50.0	44.1	
107 1,2,4-Trimethylbenzene	105	10.226	10.226	0.000	49	669764	50.0	43.4	
109 sec-Butylbenzene	105	10.378	10.378	0.000	94	829998	50.0	44.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
110 4-Isopropyltoluene	119	10.506	10.500	0.006	93	739824	50.0	44.8	
111 1,3-Dichlorobenzene	146	10.536	10.536	0.000	95	391831	50.0	45.4	
113 1,4-Dichlorobenzene	146	10.621	10.621	0.000	95	398062	50.0	45.4	
115 n-Butylbenzene	91	10.877	10.877	0.000	94	666692	50.0	44.2	
116 1,2-Dichlorobenzene	146	10.962	10.962	0.000	97	372332	50.0	45.3	
117 1,2-Dibromo-3-Chloropropan	75	11.643	11.643	0.000	73	33350	50.0	44.4	
119 1,2,4-Trichlorobenzene	180	12.282	12.282	0.000	90	268910	50.0	48.7	
120 Hexachlorobutadiene	225	12.373	12.374	-0.001	97	161366	50.0	50.3	
121 Naphthalene	128	12.513	12.513	0.000	97	617449	50.0	47.3	
122 1,2,3-Trichlorobenzene	180	12.726	12.726	0.000	95	249219	50.0	48.9	

Reagents:

8260 CORP mix_00020	Amount Added: 25.00	Units: uL	
GAS CORP mix_00047	Amount Added: 25.00	Units: uL	
F 8260 SURR_00109	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00268	Amount Added: 1.00	Units: uL	Run Reagent

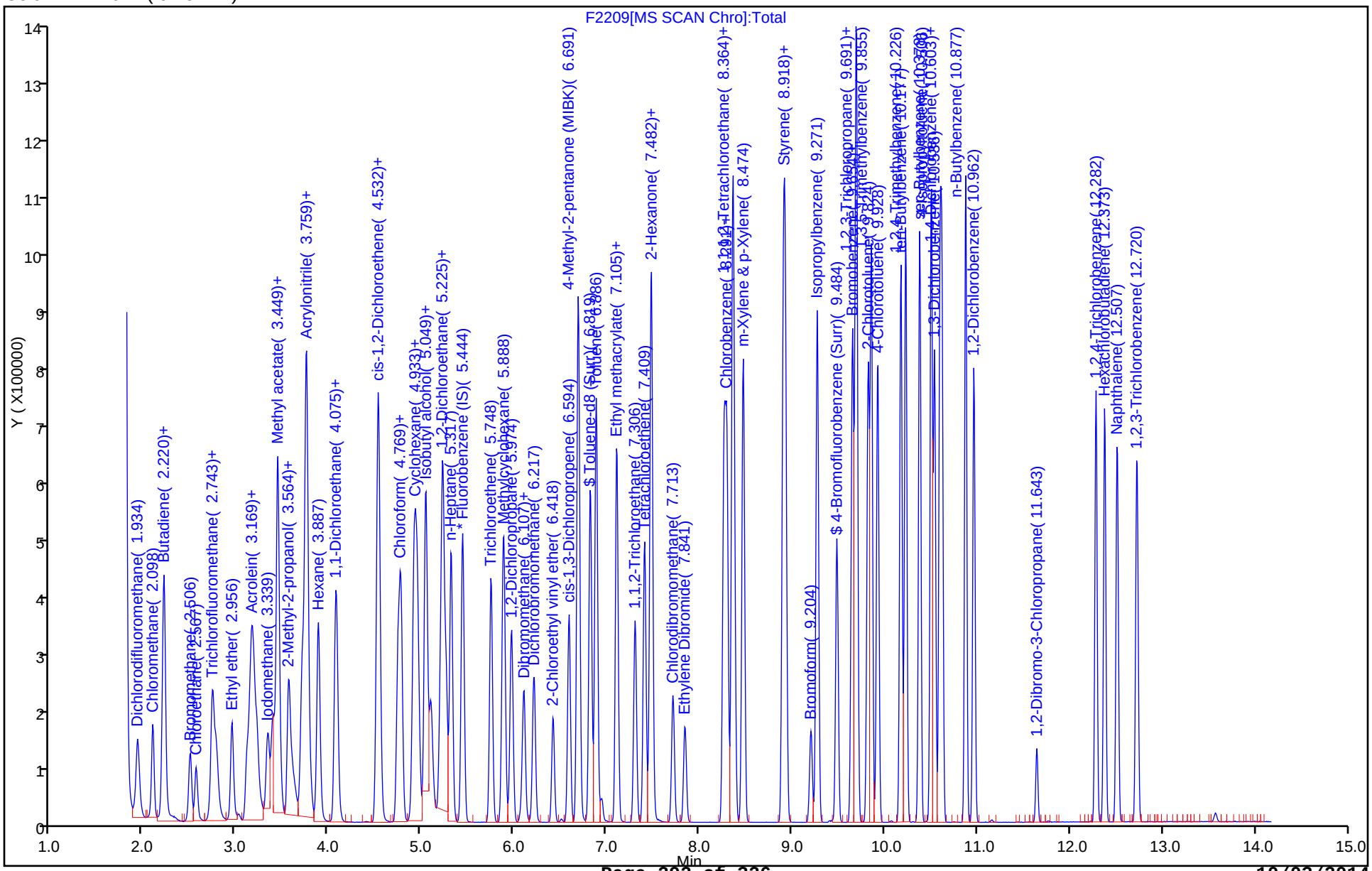
Report Date: 19-Sep-2014 00:08:59 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140918-35494.b\F2209.D

Injection Date:	18-Sep-2014 22:57:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	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.: 480-67484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-203894/1-A

Matrix: Solid | Lab File ID: G34297.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 3.24(g) | Date Analyzed: 09/25/2014 13:53

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 204342 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	3710		150	43
79-34-5	1,1,2,2-Tetrachloroethane	4210		150	25
79-00-5	1,1,2-Trichloroethane	4240		150	32
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2880		150	77
75-34-3	1,1-Dichloroethane	3100		150	48
75-35-4	1,1-Dichloroethene	3560		150	53
120-82-1	1,2,4-Trichlorobenzene	4140		150	58
96-12-8	1,2-Dibromo-3-Chloropropane	4110		150	77
106-93-4	1,2-Dibromoethane	4170		150	27
95-50-1	1,2-Dichlorobenzene	4090		150	39
107-06-2	1,2-Dichloroethane	4130		150	63
78-87-5	1,2-Dichloropropane	4100		150	25
541-73-1	1,3-Dichlorobenzene	4130		150	41
106-46-7	1,4-Dichlorobenzene	4080		150	22
591-78-6	2-Hexanone	21800		770	320
78-93-3	2-Butanone (MEK)	22800		770	460
108-10-1	4-Methyl-2-pentanone (MIBK)	21400		770	49
67-64-1	Acetone	23700		770	630
71-43-2	Benzene	3930		150	29
75-27-4	Bromodichloromethane	4140		150	31
75-25-2	Bromoform	3300		150	77
74-83-9	Bromomethane	2230		150	34
75-15-0	Carbon disulfide	2950		150	70
56-23-5	Carbon tetrachloride	3640		150	39
108-90-7	Chlorobenzene	4140		150	20
124-48-1	Dibromochloromethane	3480		150	75
75-00-3	Chloroethane	930		150	32
67-66-3	Chloroform	3980		150	110
74-87-3	Chloromethane	3120		150	37
156-59-2	cis-1,2-Dichloroethene	4030		150	43
10061-01-5	cis-1,3-Dichloropropene	4190		150	37
110-82-7	Cyclohexane	2940		150	34
75-71-8	Dichlorodifluoromethane	1900		150	67
100-41-4	Ethylbenzene	3980		150	45
98-82-8	Isopropylbenzene	3940		150	23

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-203894/1-A

Matrix: Solid | Lab File ID: G34297.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 3.24(g) | Date Analyzed: 09/25/2014 13:53

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 204342 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	21400		150	73
1634-04-4	Methyl tert-butyl ether	4100		150	58
108-87-2	Methylcyclohexane	2400		150	72
75-09-2	Methylene Chloride	3950		150	31
100-42-5	Styrene	4180		150	37
127-18-4	Tetrachloroethene	3770		150	21
108-88-3	Toluene	3950		150	41
156-60-5	trans-1,2-Dichloroethene	4010		150	36
10061-02-6	trans-1,3-Dichloropropene	4180		150	15
79-01-6	Trichloroethene	3930		150	43
75-69-4	Trichlorofluoromethane	2030		150	72
75-01-4	Vinyl chloride	3070		150	52
1330-20-7	Xylenes, Total	8050		310	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		53-146
2037-26-5	Toluene-d8 (Surr)	90		50-149
460-00-4	4-Bromofluorobenzene (Surr)	97		49-148

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34297.D
Lims ID: LCS 480-203894/1-A
Client ID:
Sample Type: LCS
Inject. Date: 25-Sep-2014 13:53:30 ALS Bottle#: 72 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-203894/1-A
Misc. Info.: 480-0035718-007480-0035718-007
Operator ID: CN Instrument ID: HP5973G

Method: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Sep-2014 14:44:32 Calib Date: 24-Sep-2014 10:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140923-35654.b\G34248.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: manc Date: 25-Sep-2014 14:44:32

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	5.578	5.584	-0.006	98	154474	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.577	8.577	0.000	88	329990	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.955	10.955	0.000	96	283087	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.986	4.992	-0.006	93	162858	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.291	5.297	-0.006	0	129558	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	7.096	7.096	0.000	93	696135	25.0	22.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.821	9.821	0.000	84	202836	25.0	24.2	
10 Dichlorodifluoromethane	85	1.408	1.414	-0.006	99	163411	25.0	12.3	
12 Chloromethane	50	1.572	1.572	0.000	99	203453	25.0	20.2	
13 Vinyl chloride	62	1.688	1.688	0.000	98	215412	25.0	19.9	
144 Butadiene	54	1.719	1.719	0.000	92	165747	25.0	19.0	
14 Bromomethane	94	1.981	1.987	-0.006	90	42814	25.0	14.5	
15 Chloroethane	64	2.084	2.127	-0.043	99	38361	25.0	6.03	
16 Dichlorofluoromethane	67	2.310	2.328	-0.018	96	199986	25.0	16.1	
17 Trichlorofluoromethane	101	2.298	2.347	-0.049	93	176461	25.0	13.2	
18 Ethyl ether	59	2.609	2.609	0.000	87	149503	25.0	22.6	
19 Acrolein	56	2.773	2.767	0.006	99	125982	125.0	122.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.828	2.859	-0.031	52	157767	25.0	18.7	
20 1,1-Dichloroethene	96	2.853	2.865	-0.012	98	242978	25.0	23.1	
22 Acetone	43	2.944	2.926	0.018	99	472661	125.0	153.3	
23 Iodomethane	142	3.017	3.035	-0.018	99	303394	25.0	27.3	
24 Carbon disulfide	76	3.042	3.060	-0.018	100	594053	25.0	19.1	
26 3-Chloro-1-propene	41	3.176	3.182	-0.006	87	268007	25.0	26.1	
28 Methyl acetate	43	3.231	3.224	0.007	97	1062699	125.0	138.5	
29 Methylene Chloride	84	3.371	3.377	-0.006	93	270785	25.0	25.6	
30 2-Methyl-2-propanol	59	3.535	3.487	0.048	98	273896	250.0	210.9	
31 Methyl tert-butyl ether	73	3.560	3.554	0.006	98	702072	25.0	26.6	
32 trans-1,2-Dichloroethene	96	3.554	3.566	-0.012	98	217679	25.0	26.0	M
33 Acrylonitrile	53	3.596	3.590	0.006	98	971529	250.0	285.6	
34 Hexane	57	3.767	3.779	-0.012	93	176608	25.0	15.7	
36 1,1-Dichloroethane	63	3.962	3.974	-0.012	96	277140	25.0	20.1	

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	4.023	4.023	0.000	97	577615	50.0	55.6	
42 2,2-Dichloropropane	77	4.493	4.499	-0.007	90	110795	25.0	22.3	
43 cis-1,2-Dichloroethene	96	4.523	4.523	0.000	80	205747	25.0	26.1	
44 2-Butanone (MEK)	43	4.560	4.553	0.007	99	671205	125.0	147.7	
48 Chlorobromomethane	128	4.755	4.755	0.000	97	98660	25.0	26.4	
49 Tetrahydrofuran	42	4.797	4.791	0.006	86	172463	50.0	54.6	
50 Chloroform	85	4.828	4.834	-0.006	94	225585	25.0	25.8	
51 1,1,1-Trichloroethane	97	4.956	4.962	-0.006	98	202342	25.0	24.1	
52 Cyclohexane	56	4.980	4.986	-0.006	90	284381	25.0	19.1	
53 Carbon tetrachloride	117	5.102	5.108	-0.006	97	208398	25.0	23.6	
54 1,1-Dichloropropene	75	5.108	5.114	-0.006	96	246725	25.0	24.0	
55 Isobutyl alcohol	43	5.322	5.303	0.019	94	277571	625.0	572.7	
56 Benzene	78	5.309	5.316	-0.007	98	791204	25.0	25.5	
57 1,2-Dichloroethane	62	5.364	5.364	0.000	98	320187	25.0	26.8	
59 n-Heptane	43	5.511	5.517	-0.006	90	224550	25.0	20.1	
61 Trichloroethene	95	5.919	5.925	-0.006	97	195370	25.0	25.4	
62 Methylcyclohexane	83	6.059	6.065	-0.006	89	210946	25.0	15.5	
63 1,2-Dichloropropane	63	6.151	6.157	-0.006	90	199079	25.0	26.6	
65 Dibromomethane	93	6.285	6.285	0.000	93	128573	25.0	27.5	
66 1,4-Dioxane	88	6.309	6.303	0.006	90	41451	500.0	371.3	
67 Dichlorobromomethane	83	6.437	6.437	0.000	99	251418	25.0	26.8	
70 2-Chloroethyl vinyl ether	63	6.718	6.718	0.000	94	155801	25.0	28.1	
72 cis-1,3-Dichloropropene	75	6.858	6.858	0.000	94	329498	25.0	27.1	
73 4-Methyl-2-pentanone (MIBK	43	6.998	6.998	0.000	96	1279659	125.0	138.8	
74 Toluene	92	7.157	7.163	-0.006	98	511825	25.0	25.6	
76 trans-1,3-Dichloropropene	75	7.419	7.419	0.000	95	301557	25.0	27.1	
78 Ethyl methacrylate	69	7.474	7.474	0.000	89	315986	25.0	27.1	
79 1,1,2-Trichloroethane	83	7.608	7.608	0.000	93	161875	25.0	27.5	
80 Tetrachloroethene	166	7.699	7.705	-0.006	94	186831	25.0	24.4	
81 1,3-Dichloropropane	76	7.772	7.772	0.000	92	364281	25.0	26.9	
82 2-Hexanone	43	7.839	7.839	0.000	95	922339	125.0	141.0	
83 Chlorodibromomethane	129	8.010	8.010	0.000	90	165662	25.0	22.6	
84 Ethylene Dibromide	107	8.120	8.120	0.000	98	194865	25.0	27.0	
86 Chlorobenzene	112	8.608	8.608	0.000	95	570494	25.0	26.8	
88 1,1,1,2-Tetrachloroethane	131	8.699	8.699	0.000	90	172542	25.0	26.8	
89 Ethylbenzene	91	8.699	8.699	0.000	99	977408	25.0	25.8	
90 m-Xylene & p-Xylene	106	8.821	8.821	0.000	99	389760	25.0	25.9	
91 o-Xylene	106	9.248	9.254	-0.006	98	379104	25.0	26.2	
92 Styrene	104	9.278	9.278	0.000	95	670523	25.0	27.1	
93 Bromoform	173	9.516	9.516	0.000	94	89972	25.0	21.4	
95 Isopropylbenzene	105	9.632	9.632	0.000	97	984106	25.0	25.5	
97 Bromobenzene	156	9.973	9.973	0.000	97	230945	25.0	26.4	
98 1,1,2,2-Tetrachloroethane	83	10.004	10.004	0.000	96	268204	25.0	27.3	
99 1,2,3-Trichloropropane	110	10.040	10.040	0.000	87	91655	25.0	26.4	
100 trans-1,4-Dichloro-2-buten	53	10.052	10.052	0.000	74	83430	25.0	25.9	
101 N-Propylbenzene	91	10.058	10.058	0.000	99	1155839	25.0	25.9	
102 2-Chlorotoluene	126	10.156	10.156	0.000	95	223719	25.0	25.7	
104 1,3,5-Trimethylbenzene	105	10.229	10.229	0.000	93	852915	25.0	25.9	
105 4-Chlorotoluene	126	10.266	10.266	0.000	99	241522	25.0	26.4	
106 tert-Butylbenzene	134	10.546	10.546	0.000	92	181307	25.0	25.9	
107 1,2,4-Trimethylbenzene	105	10.601	10.601	0.000	98	892350	25.0	26.2	
109 sec-Butylbenzene	105	10.760	10.760	0.000	95	1061407	25.0	25.4	

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	10.888	10.888	0.000	96	462062	25.0	26.7	
111 4-Isopropyltoluene	119	10.894	10.894	0.000	96	900618	25.0	25.7	
113 1,4-Dichlorobenzene	146	10.973	10.973	0.000	93	472918	25.0	26.5	
115 n-Butylbenzene	91	11.278	11.278	0.000	98	840041	25.0	25.7	
116 1,2-Dichlorobenzene	146	11.320	11.320	0.000	95	456770	25.0	26.5	
117 1,2-Dibromo-3-Chloropropan	75	12.040	12.040	0.000	90	48564	25.0	26.7	
119 1,2,4-Trichlorobenzene	180	12.729	12.729	0.000	94	335438	25.0	26.8	
120 Hexachlorobutadiene	225	12.845	12.845	0.000	96	138979	25.0	24.9	
121 Naphthalene	128	12.936	12.936	0.000	98	816933	25.0	27.7	
122 1,2,3-Trichlorobenzene	180	13.143	13.143	0.000	95	299874	25.0	27.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

G_8260_IS_00065 Amount Added: 1.00 Units: uL

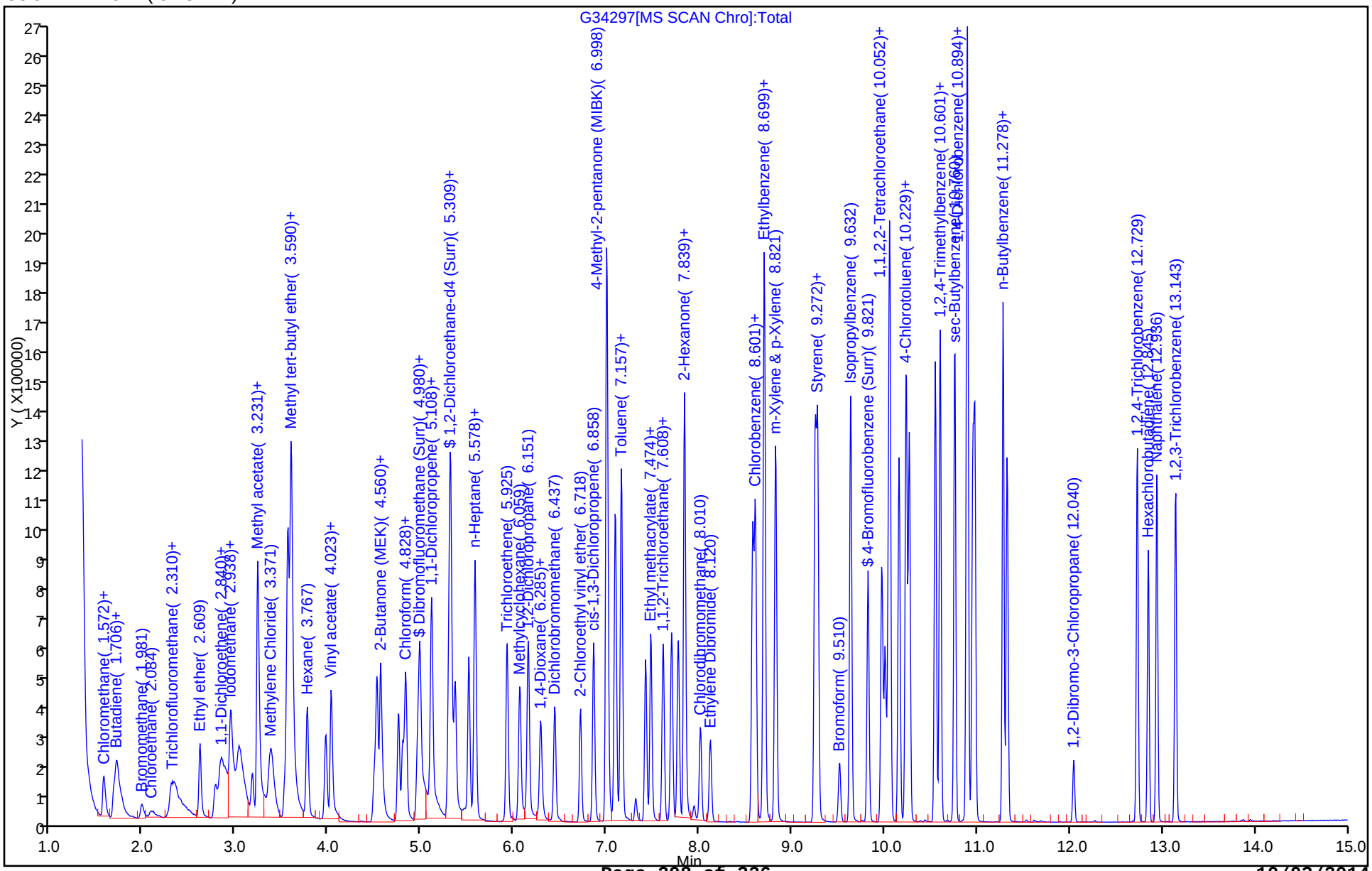
Report Date: 25-Sep-2014 14:44:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34297.D

Injection Date:	25-Sep-2014 13:53:30	Instrument ID:	HP5973G	Operator ID:	CN
Lims ID:	LCS 480-203894/1-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	72
Method:	G-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



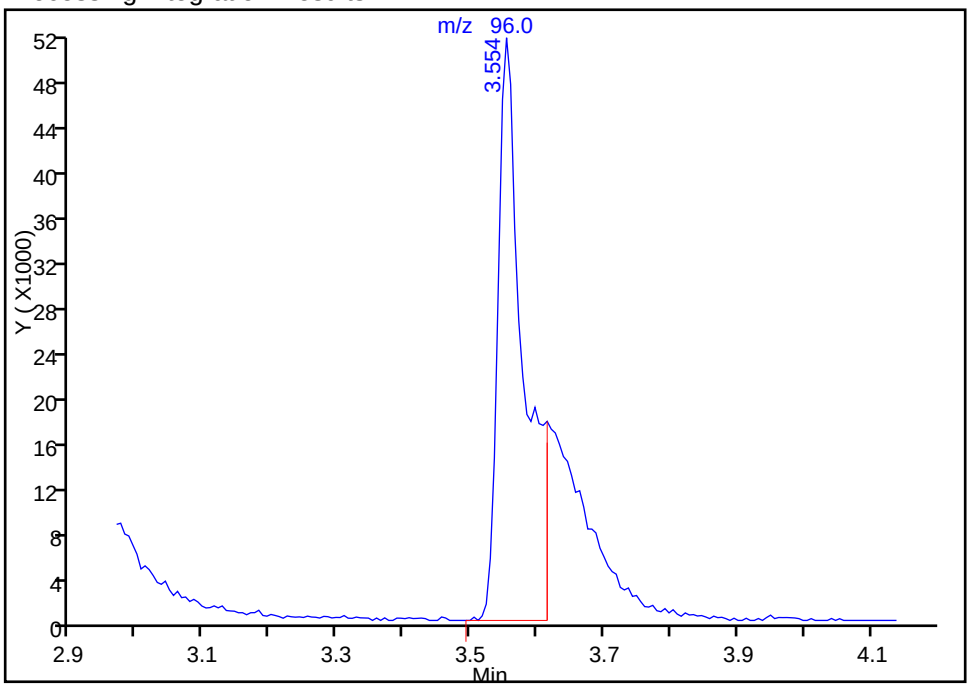
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140925-35718.b\G34297.D
Injection Date: 25-Sep-2014 13:53:30 Instrument ID: HP5973G
Lims ID: LCS 480-203894/1-A
Client ID:
Operator ID: CN ALS Bottle#: 72 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

32 trans-1,2-Dichloroethene, CAS: 156-60-5

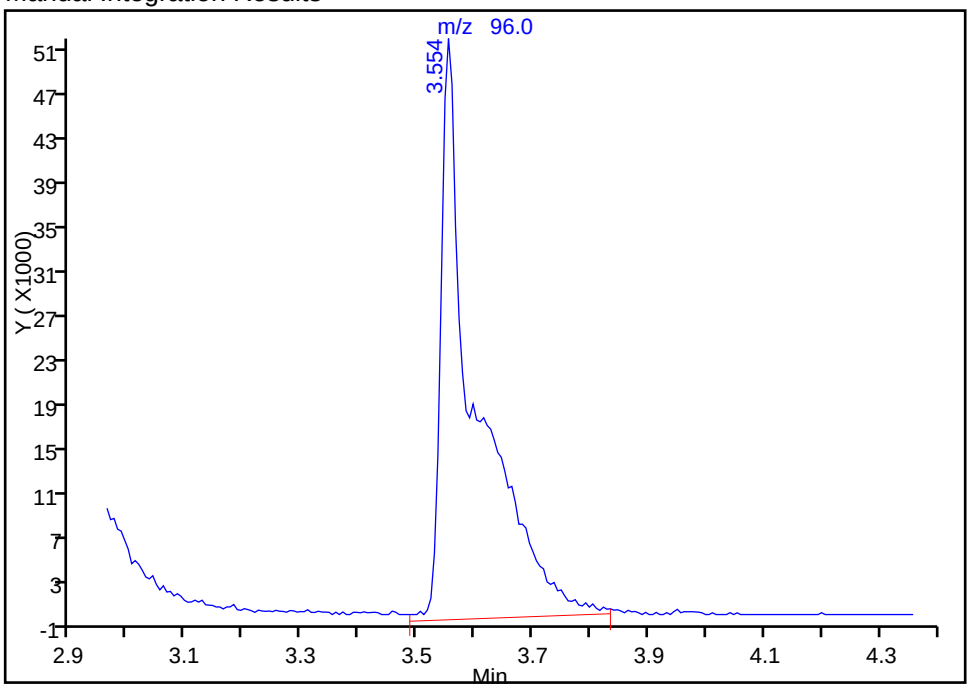
Processing Integration Results

RT: 3.55
Response: 140447
Amount: 16.762223



Manual Integration Results

RT: 3.55
Response: 217679
Amount: 25.979793



Reviewer: manc, 25-Sep-2014 14:44:32
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: MW-33 (4-8') MS | Lab Sample ID: 480-67484-4 MS

Matrix: Solid | Lab File ID: F2202.D

Analysis Method: 8260C | Date Collected: 09/15/2014 10:00

Sample wt/vol: 5.02(g) | Date Analyzed: 09/18/2014 08:08

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 16.1 | Level: (low/med) Low

Analysis Batch No.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	52.2		5.9	0.43
79-34-5	1,1,2,2-Tetrachloroethane	41.4		5.9	0.96
79-00-5	1,1,2-Trichloroethane	48.1		5.9	0.77
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50.5		5.9	1.4
75-34-3	1,1-Dichloroethane	50.8		5.9	0.72
75-35-4	1,1-Dichloroethene	51.9		5.9	0.73
120-82-1	1,2,4-Trichlorobenzene	45.7		5.9	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	37.5		5.9	3.0
106-93-4	1,2-Dibromoethane	49.7		5.9	0.76
95-50-1	1,2-Dichlorobenzene	46.2		5.9	0.46
107-06-2	1,2-Dichloroethane	51.7		5.9	0.30
78-87-5	1,2-Dichloropropane	50.6		5.9	3.0
541-73-1	1,3-Dichlorobenzene	45.6		5.9	0.31
106-46-7	1,4-Dichlorobenzene	45.7		5.9	0.83
591-78-6	2-Hexanone	210		30	3.0
78-93-3	2-Butanone (MEK)	213		30	2.2
108-10-1	4-Methyl-2-pentanone (MIBK)	211		30	1.9
67-64-1	Acetone	205		30	5.0
71-43-2	Benzene	52.3		5.9	0.29
75-27-4	Bromodichloromethane	57.1		5.9	0.80
75-25-2	Bromoform	46.8		5.9	3.0
74-83-9	Bromomethane	52.9		5.9	0.53
75-15-0	Carbon disulfide	46.2		5.9	3.0
56-23-5	Carbon tetrachloride	55.3		5.9	0.57
108-90-7	Chlorobenzene	49.9		5.9	0.78
124-48-1	Dibromochloromethane	47.0		5.9	0.76
75-00-3	Chloroethane	47.6		5.9	1.3
67-66-3	Chloroform	53.6		5.9	0.37
74-87-3	Chloromethane	46.2		5.9	0.36
156-59-2	cis-1,2-Dichloroethene	53.6		5.9	0.76
10061-01-5	cis-1,3-Dichloropropene	51.9		5.9	0.85
110-82-7	Cyclohexane	46.4		5.9	0.83
75-71-8	Dichlorodifluoromethane	45.8		5.9	0.49
100-41-4	Ethylbenzene	48.5		5.9	0.41
98-82-8	Isopropylbenzene	44.3		5.9	0.90

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: MW-33 (4-8') MS | Lab Sample ID: 480-67484-4 MS

Matrix: Solid | Lab File ID: F2202.D

Analysis Method: 8260C | Date Collected: 09/15/2014 10:00

Sample wt/vol: 5.02(g) | Date Analyzed: 09/18/2014 08:08

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 16.1 | Level: (low/med) Low

Analysis Batch No.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	222		5.9	3.6
1634-04-4	Methyl tert-butyl ether	53.8		5.9	0.58
108-87-2	Methylcyclohexane	49.9		5.9	0.90
75-09-2	Methylene Chloride	47.2		5.9	2.7
100-42-5	Styrene	50.3		5.9	0.30
127-18-4	Tetrachloroethene	52.0		5.9	0.80
108-88-3	Toluene	46.7		5.9	0.45
156-60-5	trans-1,2-Dichloroethene	52.4		5.9	0.61
10061-02-6	trans-1,3-Dichloropropene	47.6		5.9	2.6
79-01-6	Trichloroethene	56.0		5.9	1.3
75-69-4	Trichlorofluoromethane	51.9		5.9	0.56
75-01-4	Vinyl chloride	46.1		5.9	0.72
1330-20-7	Xylenes, Total	98.2		12	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
2037-26-5	Toluene-d8 (Surr)	98		71-125
460-00-4	4-Bromofluorobenzene (Surr)	111		72-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2202.D
Lims ID: 480-67484-A-4-B MS
Client ID: MW-33 (4-8')
Sample Type: MS
Inject. Date: 18-Sep-2014 08:08:30 ALS Bottle#: 21 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-67484-A-4-B MS
Misc. Info.: 480-0035460-027480-0035460-027
Operator ID: CDC Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2014 19:55:55 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: cwiklinc Date: 18-Sep-2014 20:14:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	99	113806	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	86	243481	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	94	251526	50.0	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	72441	50.0	49.1	
$ 5 Toluene-d8 (Surr)	98	6.819	6.825	-0.006	93	490066	50.0	49.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.484	9.484	0.000	92	171759	50.0	55.5	
10 Dichlorodifluoromethane	85	1.934	1.934	0.000	99	170669	50.0	38.6	
12 Chloromethane	50	2.098	2.098	0.000	99	159940	50.0	38.9	
13 Vinyl chloride	62	2.208	2.208	0.000	99	158175	50.0	38.8	
14 Bromomethane	94	2.506	2.500	0.006	91	89962	50.0	44.5	
15 Chloroethane	64	2.567	2.567	0.000	100	78643	50.0	40.1	
17 Trichlorofluoromethane	101	2.780	2.780	0.000	99	173205	50.0	43.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.157	3.157	0.000	92	117655	50.0	42.5	
22 1,1-Dichloroethene	96	3.193	3.187	0.006	99	118065	50.0	43.7	
23 Acetone	43	3.224	3.224	0.000	99	166212	250.0	172.9	
26 Carbon disulfide	76	3.406	3.394	0.012	99	409510	50.0	38.9	
27 Methyl acetate	43	3.449	3.443	0.006	97	426976	250.0	187.1	
30 Methylene Chloride	84	3.571	3.564	0.007	87	137095	50.0	39.8	
32 Methyl tert-butyl ether	73	3.717	3.716	0.001	93	419221	50.0	45.3	
34 trans-1,2-Dichloroethene	96	3.753	3.753	0.000	97	134377	50.0	44.1	
39 1,1-Dichloroethane	63	4.082	4.081	0.001	97	224875	50.0	42.8	
43 2-Butanone (MEK)	43	4.526	4.526	0.000	98	249123	250.0	179.1	
45 cis-1,2-Dichloroethene	96	4.538	4.538	0.000	83	149080	50.0	45.1	
50 Chloroform	83	4.781	4.781	0.000	95	242814	50.0	45.2	
51 1,1,1-Trichloroethane	97	4.927	4.927	0.000	97	192886	50.0	44.0	
52 Cyclohexane	56	4.952	4.957	-0.005	88	184587	50.0	39.1	
55 Carbon tetrachloride	117	5.055	5.055	0.000	99	163062	50.0	46.6	
57 Benzene	78	5.231	5.231	0.000	95	538905	50.0	44.0	
58 1,2-Dichloroethane	62	5.268	5.268	0.000	98	185019	50.0	43.6	
1 1,4-Difluorobenzene	114		5.511					ND	
62 Trichloroethene	95	5.755	5.748	0.007	98	145640	50.0	47.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
64 Methylcyclohexane	83	5.888	5.888	0.000	87	221215	50.0	42.0	
65 1,2-Dichloropropane	63	5.974	5.973	0.001	91	121415	50.0	42.6	
68 Dichlorobromomethane	83	6.217	6.217	0.000	100	171680	50.0	48.1	
72 cis-1,3-Dichloropropene	75	6.594	6.594	0.000	95	201288	50.0	43.7	
73 4-Methyl-2-pentanone (MIBK	43	6.691	6.691	0.000	96	531667	250.0	177.7	
74 Toluene	92	6.886	6.886	0.000	98	346212	50.0	39.4	
77 trans-1,3-Dichloropropene	75	7.111	7.111	0.000	94	172319	50.0	40.1	
79 1,1,2-Trichloroethane	83	7.306	7.306	0.000	93	92374	50.0	40.5	
81 Tetrachloroethene	166	7.409	7.409	0.000	99	148896	50.0	43.8	
80 2-Hexanone	43	7.482	7.482	0.000	93	380848	250.0	176.9	
83 Chlorodibromomethane	129	7.713	7.713	0.000	90	116677	50.0	39.6	
84 Ethylene Dibromide	107	7.841	7.847	-0.006	99	113315	50.0	41.9	
87 Chlorobenzene	112	8.297	8.297	0.000	95	377404	50.0	42.0	
88 Ethylbenzene	91	8.358	8.358	0.000	98	642653	50.0	40.9	
90 m-Xylene & p-Xylene	106	8.474	8.474	0.000	0	248573		40.6	
91 o-Xylene	106	8.906	8.906	0.000	96	244393		42.0	
92 Styrene	104	8.930	8.930	0.000	94	420422	50.0	42.3	
95 Bromoform	173	9.204	9.204	0.000	97	67848	50.0	39.4	
94 Isopropylbenzene	105	9.271	9.271	0.000	96	622644	50.0	37.3	
97 1,1,2,2-Tetrachloroethane	83	9.648	9.648	0.000	97	135240	50.0	34.9	
111 1,3-Dichlorobenzene	146	10.542	10.542	0.000	97	313961	50.0	38.4	
113 1,4-Dichlorobenzene	146	10.621	10.621	0.000	95	319204	50.0	38.5	
116 1,2-Dichlorobenzene	146	10.962	10.962	0.000	98	302194	50.0	38.9	
117 1,2-Dibromo-3-Chloropropan	75	11.643	11.643	0.000	85	22095	50.0	31.6	
119 1,2,4-Trichlorobenzene	180	12.282	12.282	0.000	94	201305	50.0	38.5	
S 124 Xylenes, Total	1				0			82.6	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

GAS CORP mix_00046	Amount Added:	25.00	Units: uL	
8260 CORP mix_00020	Amount Added:	25.00	Units: uL	
F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00268	Amount Added:	1.00	Units: uL	Run Reagent

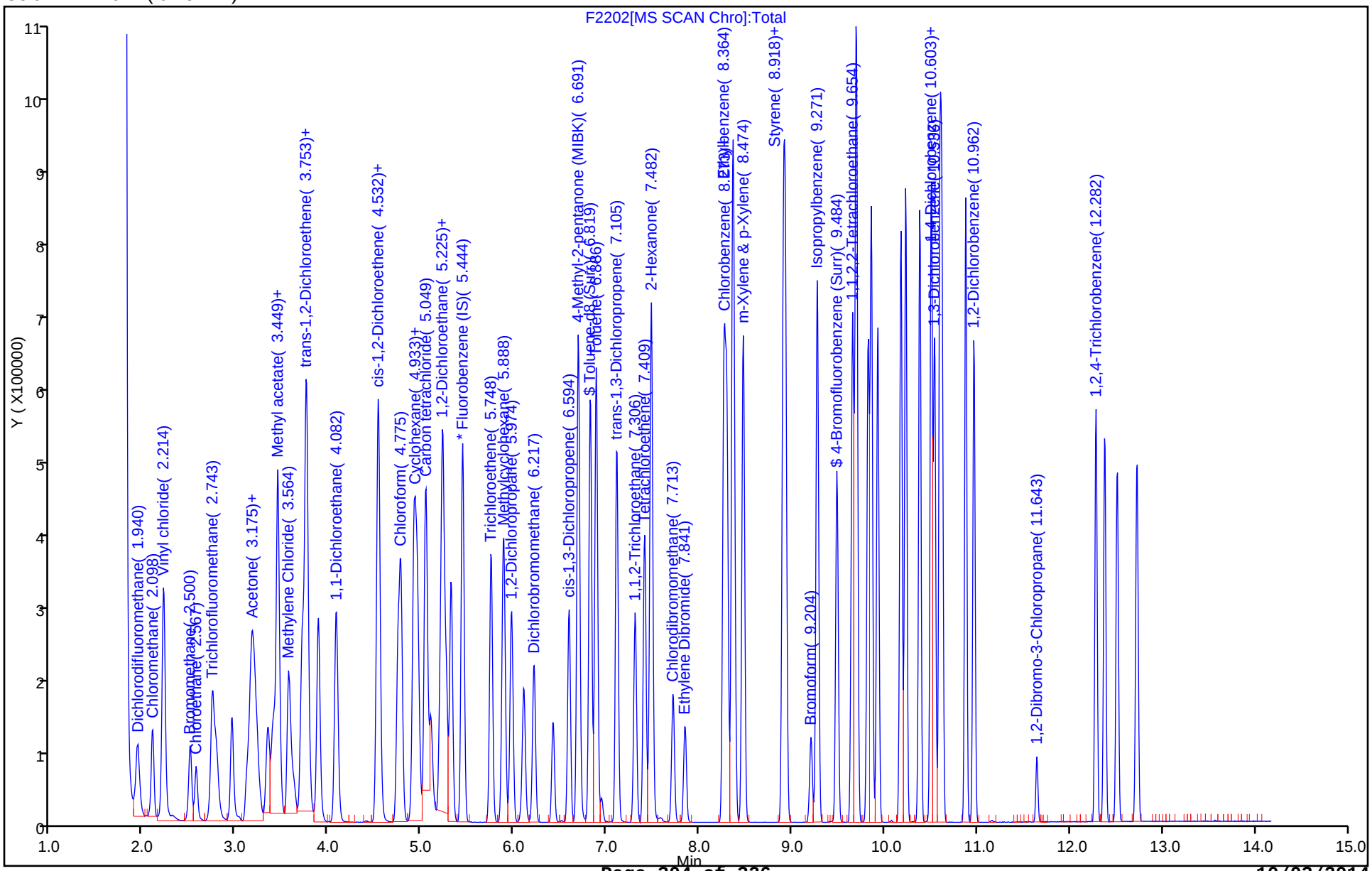
Report Date: 18-Sep-2014 20:14:51 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2202.D

Injection Date:	18-Sep-2014 08:08:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-67484-A-4-B MS			Worklist Smp#:	27
Client ID:	MW-33 (4-8')				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	F-8260 SOIL	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.: 480-67484-1

SDG No.:

Client Sample ID: MW-33 (4-8') MSD | Lab Sample ID: 480-67484-4 MSD

Matrix: Solid | Lab File ID: F2203.D

Analysis Method: 8260C | Date Collected: 09/15/2014 10:00

Sample wt/vol: 5.19(g) | Date Analyzed: 09/18/2014 08:34

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 16.1 | Level: (low/med) Low

Analysis Batch No.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	47.7		5.7	0.42
79-34-5	1,1,2,2-Tetrachloroethane	38.5		5.7	0.93
79-00-5	1,1,2-Trichloroethane	44.5		5.7	0.75
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	45.1		5.7	1.3
75-34-3	1,1-Dichloroethane	46.3		5.7	0.70
75-35-4	1,1-Dichloroethene	45.8		5.7	0.70
120-82-1	1,2,4-Trichlorobenzene	43.6		5.7	0.35
96-12-8	1,2-Dibromo-3-Chloropropane	34.7		5.7	2.9
106-93-4	1,2-Dibromoethane	45.6		5.7	0.74
95-50-1	1,2-Dichlorobenzene	43.2		5.7	0.45
107-06-2	1,2-Dichloroethane	46.8		5.7	0.29
78-87-5	1,2-Dichloropropane	46.5		5.7	2.9
541-73-1	1,3-Dichlorobenzene	42.8		5.7	0.30
106-46-7	1,4-Dichlorobenzene	43.1		5.7	0.80
591-78-6	2-Hexanone	191		29	2.9
78-93-3	2-Butanone (MEK)	193		29	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	193		29	1.9
67-64-1	Acetone	183		29	4.8
71-43-2	Benzene	47.1		5.7	0.28
75-27-4	Bromodichloromethane	52.8		5.7	0.77
75-25-2	Bromoform	43.9		5.7	2.9
74-83-9	Bromomethane	52.2		5.7	0.52
75-15-0	Carbon disulfide	41.4		5.7	2.9
56-23-5	Carbon tetrachloride	50.2		5.7	0.56
108-90-7	Chlorobenzene	45.7		5.7	0.76
124-48-1	Dibromochloromethane	43.7		5.7	0.74
75-00-3	Chloroethane	46.4		5.7	1.3
67-66-3	Chloroform	49.2		5.7	0.35
74-87-3	Chloromethane	41.2		5.7	0.35
156-59-2	cis-1,2-Dichloroethene	48.6		5.7	0.74
10061-01-5	cis-1,3-Dichloropropene	47.4		5.7	0.83
110-82-7	Cyclohexane	41.9		5.7	0.80
75-71-8	Dichlorodifluoromethane	41.1		5.7	0.47
100-41-4	Ethylbenzene	44.2		5.7	0.40
98-82-8	Isopropylbenzene	41.0		5.7	0.87

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-67484-1

SDG No.:

Client Sample ID: MW-33 (4-8') MSD | Lab Sample ID: 480-67484-4 MSD

Matrix: Solid | Lab File ID: F2203.D

Analysis Method: 8260C | Date Collected: 09/15/2014 10:00

Sample wt/vol: 5.19(g) | Date Analyzed: 09/18/2014 08:34

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 16.1 | Level: (low/med) Low

Analysis Batch No.: 202965 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	200		5.7	3.5
1634-04-4	Methyl tert-butyl ether	49.1		5.7	0.56
108-87-2	Methylcyclohexane	44.5		5.7	0.87
75-09-2	Methylene Chloride	43.6		5.7	2.6
100-42-5	Styrene	46.1		5.7	0.29
127-18-4	Tetrachloroethene	47.6		5.7	0.77
108-88-3	Toluene	42.6		5.7	0.43
156-60-5	trans-1,2-Dichloroethene	47.0		5.7	0.59
10061-02-6	trans-1,3-Dichloropropene	43.9		5.7	2.5
79-01-6	Trichloroethene	50.0		5.7	1.3
75-69-4	Trichlorofluoromethane	48.5		5.7	0.54
75-01-4	Vinyl chloride	42.1		5.7	0.70
1330-20-7	Xylenes, Total	90.0		11	0.96

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		64-126
2037-26-5	Toluene-d8 (Surr)	98		71-125
460-00-4	4-Bromofluorobenzene (Surr)	110		72-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2203.D
Lims ID: 480-67484-A-4-C MSD
Client ID: MW-33 (4-8')
Sample Type: MSD
Inject. Date: 18-Sep-2014 08:34:30 ALS Bottle#: 22 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-67484-A-4-C MSD
Misc. Info.: 480-0035460-028480-0035460-028
Operator ID: CDC Instrument ID: HP5973F

Method: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Sep-2014 19:55:55 Calib Date: 11-Sep-2014 16:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20140911-35271.b\F1979.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: cwiklinc Date: 18-Sep-2014 20:16:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.444	5.444	0.000	99	117415	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.267	8.267	0.000	85	248640	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.597	10.597	0.000	78	253601	50.0	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.201	5.201	0.000	0	73060	50.0	48.0	
$ 5 Toluene-d8 (Surr)	98	6.819	6.825	-0.006	82	500029	50.0	49.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.484	9.484	0.000	89	173184	50.0	54.8	
10 Dichlorodifluoromethane	85	1.928	1.934	-0.006	87	163362	50.0	35.8	
12 Chloromethane	50	2.098	2.098	0.000	100	152102	50.0	35.8	
13 Vinyl chloride	62	2.202	2.208	-0.006	98	153931	50.0	36.6	
14 Bromomethane	94	2.500	2.500	0.000	89	94708	50.0	45.4	
15 Chloroethane	64	2.567	2.567	0.000	98	81805	50.0	40.4	
17 Trichlorofluoromethane	101	2.780	2.780	0.000	95	172737	50.0	42.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.157	3.157	0.000	83	112088	50.0	39.3	
22 1,1-Dichloroethene	96	3.187	3.187	0.000	94	111123	50.0	39.9	
23 Acetone	43	3.224	3.224	0.000	98	157864	250.0	159.2	
26 Carbon disulfide	76	3.394	3.394	0.000	98	391579	50.0	36.1	
27 Methyl acetate	43	3.443	3.443	0.000	95	409317	250.0	173.9	
30 Methylene Chloride	84	3.564	3.564	0.000	80	135042	50.0	38.0	
32 Methyl tert-butyl ether	73	3.717	3.716	0.001	86	408186	50.0	42.7	
34 trans-1,2-Dichloroethene	96	3.747	3.753	-0.006	95	128734	50.0	40.9	
39 1,1-Dichloroethane	63	4.082	4.081	0.001	96	218225	50.0	40.3	
43 2-Butanone (MEK)	43	4.526	4.526	0.000	95	241057	250.0	167.9	
45 cis-1,2-Dichloroethene	96	4.538	4.538	0.000	82	144393	50.0	42.3	
50 Chloroform	83	4.775	4.781	-0.006	94	237458	50.0	42.8	
51 1,1,1-Trichloroethane	97	4.921	4.927	-0.006	89	187916	50.0	41.5	
52 Cyclohexane	56	4.951	4.957	-0.006	86	177888	50.0	36.5	
55 Carbon tetrachloride	117	5.055	5.055	0.000	77	158035	50.0	43.7	
57 Benzene	78	5.231	5.231	0.000	95	518076	50.0	41.0	
58 1,2-Dichloroethane	62	5.268	5.268	0.000	84	178597	50.0	40.7	
1 1,4-Difluorobenzene	114		5.511					ND	
62 Trichloroethene	95	5.748	5.748	0.000	97	138610	50.0	43.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
64 Methylcyclohexane	83	5.882	5.888	-0.006	87	210441	50.0	38.7	
65 1,2-Dichloropropane	63	5.967	5.973	-0.006	91	119198	50.0	40.5	
68 Dichlorobromomethane	83	6.211	6.217	-0.006	96	169169	50.0	45.9	
72 cis-1,3-Dichloropropene	75	6.594	6.594	0.000	88	196096	50.0	41.3	
73 4-Methyl-2-pentanone (MIBK	43	6.691	6.691	0.000	96	513989	250.0	168.3	
74 Toluene	92	6.886	6.886	0.000	88	332832	50.0	37.1	
77 trans-1,3-Dichloropropene	75	7.111	7.111	0.000	93	167937	50.0	38.2	
79 1,1,2-Trichloroethane	83	7.306	7.306	0.000	92	90384	50.0	38.8	
81 Tetrachloroethene	166	7.409	7.409	0.000	98	143902	50.0	41.4	
80 2-Hexanone	43	7.482	7.482	0.000	91	365026	250.0	166.0	
83 Chlorodibromomethane	129	7.713	7.713	0.000	86	114176	50.0	38.0	
84 Ethylene Dibromide	107	7.841	7.847	-0.006	97	109721	50.0	39.7	
87 Chlorobenzene	112	8.297	8.297	0.000	94	364915	50.0	39.8	
88 Ethylbenzene	91	8.358	8.358	0.000	56	618431	50.0	38.5	
90 m-Xylene & p-Xylene	106	8.474	8.474	0.000	0	240993		38.6	
91 o-Xylene	106	8.906	8.906	0.000	95	236577		39.8	
92 Styrene	104	8.930	8.930	0.000	94	407639	50.0	40.2	
95 Bromoform	173	9.204	9.204	0.000	94	66964	50.0	38.3	
94 Isopropylbenzene	105	9.271	9.271	0.000	95	600752	50.0	35.7	
97 1,1,2,2-Tetrachloroethane	83	9.648	9.648	0.000	76	131228	50.0	33.6	
111 1,3-Dichlorobenzene	146	10.542	10.542	0.000	96	307404	50.0	37.3	
113 1,4-Dichlorobenzene	146	10.621	10.621	0.000	94	314164	50.0	37.5	
116 1,2-Dichlorobenzene	146	10.962	10.962	0.000	97	294765	50.0	37.6	
117 1,2-Dibromo-3-Chloropropan	75	11.643	11.643	0.000	67	21267	50.0	30.2	
119 1,2,4-Trichlorobenzene	180	12.282	12.282	0.000	93	200222	50.0	38.0	
S 124 Xylenes, Total	1				0			78.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

8260 CORP mix_00020	Amount Added:	25.00	Units: uL	
GAS CORP mix_00046	Amount Added:	25.00	Units: uL	
F 8260 SURR_00109	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00268	Amount Added:	1.00	Units: uL	Run Reagent

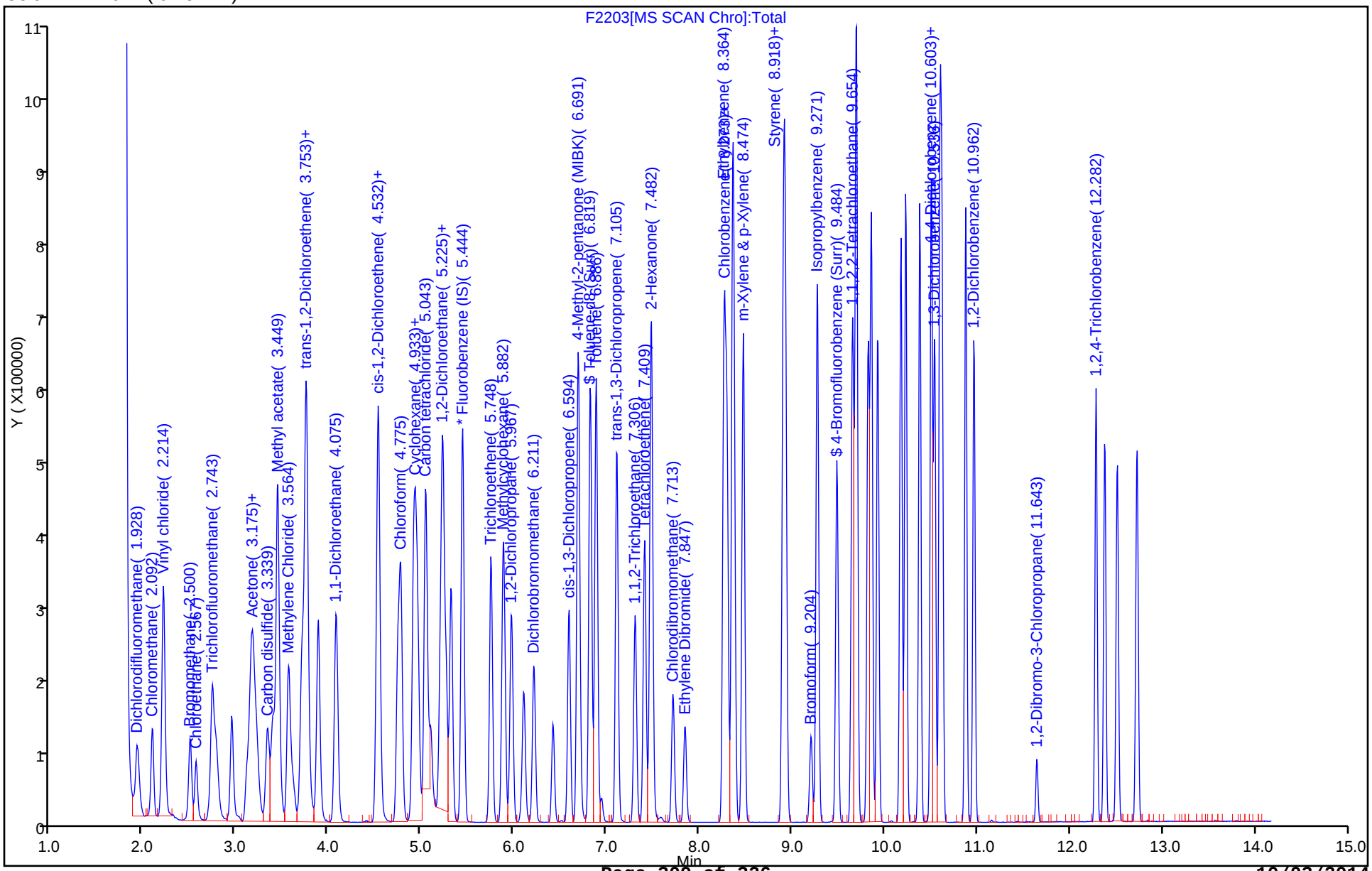
Report Date: 18-Sep-2014 20:16:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973F\20140917-35460.b\F2203.D

Injection Date:	18-Sep-2014 08:34:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-67484-A-4-C MSD			Worklist Smp#:	28
Client ID:	MW-33 (4-8')				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Instrument ID: HP5973F Start Date: 09/11/2014 09:43

Analysis Batch Number: 201860 End Date: 09/11/2014 18:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-201860/1		09/11/2014 09:43	1	F1963.D	ZB-624 (60) 0.25(mm)
IC 480-201860/3		09/11/2014 10:42	1	F1965.D	ZB-624 (60) 0.25(mm)
IC 480-201860/4		09/11/2014 11:08	1	F1966.D	ZB-624 (60) 0.25(mm)
IC 480-201860/5		09/11/2014 11:33	1	F1967.D	ZB-624 (60) 0.25(mm)
IC 480-201860/6		09/11/2014 11:59	1	F1968.D	ZB-624 (60) 0.25(mm)
ICIS 480-201860/7		09/11/2014 12:24	1	F1969.D	ZB-624 (60) 0.25(mm)
IC 480-201860/9		09/11/2014 12:50	1	F1970.D	ZB-624 (60) 0.25(mm)
IC 480-201860/8		09/11/2014 13:15	1	F1971.D	ZB-624 (60) 0.25(mm)
IC 480-201860/11		09/11/2014 14:06	1		ZB-624 (60) 0.25(mm)
IC 480-201860/12		09/11/2014 14:32	1		ZB-624 (60) 0.25(mm)
IC 480-201860/13		09/11/2014 14:58	1		ZB-624 (60) 0.25(mm)
IC 480-201860/14		09/11/2014 15:24	1		ZB-624 (60) 0.25(mm)
IC 480-201860/15		09/11/2014 15:49	1		ZB-624 (60) 0.25(mm)
IC 480-201860/16		09/11/2014 16:15	1		ZB-624 (60) 0.25(mm)
IC 480-201860/17		09/11/2014 16:40	1		ZB-624 (60) 0.25(mm)
MDLV 480-201860/19		09/11/2014 17:31	1		ZB-624 (60) 0.25(mm)
MDLV 480-201860/20		09/11/2014 17:57	1		ZB-624 (60) 0.25(mm)
ICV 480-201860/21		09/11/2014 18:22	1		ZB-624 (60) 0.25(mm)
ICV 480-201860/22		09/11/2014 18:48	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Instrument ID: HP5973F Start Date: 09/17/2014 20:57

Analysis Batch Number: 202965 End Date: 09/18/2014 08:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-202965/2		09/17/2014 20:57	1	F2177.D	ZB-624 (60) 0.25(mm)
CCVIS 480-202965/3		09/17/2014 21:27	1	F2178.D	ZB-624 (60) 0.25(mm)
CCV 480-202965/4		09/17/2014 22:05	1		ZB-624 (60) 0.25(mm)
LCS 480-202965/5		09/17/2014 22:31	1	F2180.D	ZB-624 (60) 0.25(mm)
MB 480-202965/6		09/17/2014 22:56	1	F2181.D	ZB-624 (60) 0.25(mm)
ZZZZZ		09/17/2014 23:37	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/18/2014 00:03	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/18/2014 00:28	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/18/2014 01:20	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/18/2014 01:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/18/2014 02:11	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/18/2014 02:37	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/18/2014 03:02	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/18/2014 03:28	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/18/2014 03:53	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/18/2014 04:18	1		ZB-624 (60) 0.25(mm)
480-67484-1	MW-30 (1-4')	09/18/2014 05:35	1	F2196.D	ZB-624 (60) 0.25(mm)
480-67484-3	MW-32 (16-18')	09/18/2014 06:26	1	F2198.D	ZB-624 (60) 0.25(mm)
480-67484-4	MW-33 (4-8')	09/18/2014 06:52	1	F2199.D	ZB-624 (60) 0.25(mm)
480-67484-5	DUP-1	09/18/2014 07:17	1	F2200.D	ZB-624 (60) 0.25(mm)
ZZZZZ		09/18/2014 07:43	1		ZB-624 (60) 0.25(mm)
480-67484-4 MS	MW-33 (4-8') MS	09/18/2014 08:08	1	F2202.D	ZB-624 (60) 0.25(mm)
480-67484-4 MSD	MW-33 (4-8') MSD	09/18/2014 08:34	1	F2203.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Instrument ID: HP5973F Start Date: 09/18/2014 21:28

Analysis Batch Number: 203192 End Date: 09/19/2014 08:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-203192/3		09/18/2014 21:28	1	F2206.D	ZB-624 (60) 0.25(mm)
CCVIS 480-203192/4		09/18/2014 21:56	1	F2207.D	ZB-624 (60) 0.25(mm)
CCV 480-203192/5		09/18/2014 22:32	1		ZB-624 (60) 0.25(mm)
LCS 480-203192/6		09/18/2014 22:57	1	F2209.D	ZB-624 (60) 0.25(mm)
MB 480-203192/7		09/18/2014 23:23	1	F2210.D	ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 00:27	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 00:52	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 01:17	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 01:43	1		ZB-624 (60) 0.25(mm)
480-67484-2	MW-31 (6-8')	09/19/2014 02:09	1	F2215.D	ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 02:35	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 03:00	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 03:26	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 03:52	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 04:17	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 04:43	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 05:09	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 05:34	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 06:00	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 06:25	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 06:51	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 07:17	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 07:43	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/19/2014 08:08	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Instrument ID: HP5973G Start Date: 09/24/2014 03:40

Analysis Batch Number: 204000 End Date: 09/24/2014 11:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-204000/26		09/24/2014 03:40	1	G34230.D	ZB-624 (60) 0.25(mm)
IC 480-204000/5		09/24/2014 04:27	1	G34232.D	ZB-624 (60) 0.25(mm)
IC 480-204000/6		09/24/2014 04:49	1	G34233.D	ZB-624 (60) 0.25(mm)
IC 480-204000/7		09/24/2014 05:11	1	G34234.D	ZB-624 (60) 0.25(mm)
IC 480-204000/8		09/24/2014 05:34	1	G34235.D	ZB-624 (60) 0.25(mm)
ICIS 480-204000/9		09/24/2014 05:56	1	G34236.D	ZB-624 (60) 0.25(mm)
IC 480-204000/10		09/24/2014 06:19	1	G34237.D	ZB-624 (60) 0.25(mm)
IC 480-204000/11		09/24/2014 06:42	1	G34238.D	ZB-624 (60) 0.25(mm)
MDLV 480-204000/13		09/24/2014 07:27	1		ZB-624 (60) 0.25(mm)
IC 480-204000/15		09/24/2014 08:12	1		ZB-624 (60) 0.25(mm)
IC 480-204000/16		09/24/2014 08:34	1		ZB-624 (60) 0.25(mm)
IC 480-204000/17		09/24/2014 08:57	1		ZB-624 (60) 0.25(mm)
IC 480-204000/18		09/24/2014 09:19	1		ZB-624 (60) 0.25(mm)
IC 480-204000/19		09/24/2014 09:42	1		ZB-624 (60) 0.25(mm)
IC 480-204000/20		09/24/2014 10:04	1		ZB-624 (60) 0.25(mm)
IC 480-204000/21		09/24/2014 10:27	1		ZB-624 (60) 0.25(mm)
MDLV 480-204000/23		09/24/2014 11:12	1		ZB-624 (60) 0.25(mm)
ICV 480-204000/24		09/24/2014 11:35	1		ZB-624 (60) 0.25(mm)
ICV 480-204000/25		09/24/2014 11:57	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Instrument ID: HP5973G Start Date: 09/25/2014 11:05

Analysis Batch Number: 204342 End Date: 09/25/2014 22:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-204342/1		09/25/2014 11:05	1	G34291.D	ZB-624 (60) 0.25(mm)
CCVIS 480-204342/2		09/25/2014 11:32	1	G34292.D	ZB-624 (60) 0.25(mm)
CCV 480-204342/3		09/25/2014 11:54	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 12:31	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 13:16	1		ZB-624 (60) 0.25(mm)
LCS 480-203894/1-A		09/25/2014 13:53	1	G34297.D	ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 14:15	1		ZB-624 (60) 0.25(mm)
MB 480-203894/2-A		09/25/2014 15:11	1	G34299.D	ZB-624 (60) 0.25(mm)
480-67484-1 DL	MW-30 (1-4') DL	09/25/2014 16:23	20	G34300.D	ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 16:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 17:08	5		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 17:53	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 18:16	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 18:39	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 19:01	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 19:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 19:46	1000		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 20:09	25		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 20:32	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 20:54	100		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 21:17	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 21:40	1		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 22:02	100		ZB-624 (60) 0.25(mm)
ZZZZZ		09/25/2014 22:24	100		ZB-624 (60) 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Batch Number: 202969 Batch Start Date: 09/17/14 22:08 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date: 09/17/14 23:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
480-67484-A-1	MW-30 (1-4')	5035, 8260C	T	25.57 g	30.56 g	4.99 g	5 mL		
480-67484-A-3	MW-32 (16-18')	5035, 8260C	T	25.29 g	30.32 g	5.03 g	5 mL		
480-67484-A-5	DUP-1	5035, 8260C	T	25.47 g	30.52 g	5.05 g	5 mL		
480-67484-A-4	MW-33 (4-8')	5035, 8260C	T	24.59 g	29.70 g	5.11 g	5 mL		
480-67484-A-4 MS	MW-33 (4-8')	5035, 8260C	T	24.75 g	29.77 g	5.02 g	5 mL		
480-67484-A-4 MSD	MW-33 (4-8')	5035, 8260C	T	24.68 g	29.87 g	5.19 g	5 mL		

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Batch Number: 203221 Batch Start Date: 09/18/14 23:57 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date: 09/19/14 01:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
480-67484-A-2	MW-31 (6-8')	5035, 8260C	T	24.98 g	30.00 g	5.02 g	5 mL		

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Batch Number: 203894 Batch Start Date: 09/23/14 12:39 Batch Analyst: Nguyen-Dudziak, Nhu Quynh

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00021	CORP_ML_SURR 00011
LCS 480-203894/1		5035, 8260C		19.40 g	22.64 g	3.24 g	10 mL	125 uL	1 mL
MB 480-203894/2		5035, 8260C		19.34 g	24.41 g	5.07 g	10 mL		1 mL
480-67484-A-1	MW-30 (1-4')	5035, 8260C	T	19.56 g	24.81 g	5.25 g	10 mL		1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00047					
LCS 480-203894/1		5035, 8260C		125 uL					
MB 480-203894/2		5035, 8260C							
480-67484-A-1	MW-30 (1-4')	5035, 8260C	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-67484-1

SDG No.:

Project: NYSDEC - Barthelmes Mfg: Site# 828122

Client Sample ID	Lab Sample ID
MW-30 (1-4')	480-67484-1
MW-31 (6-8')	480-67484-2
MW-32 (16-18')	480-67484-3
MW-33 (4-8')	480-67484-4
DUP-1	480-67484-5

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-67484-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-67484-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/18/2014 03:58 End Date: 09/18/2014 03:58

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			03:58																					
ZZZZZZ			03:58																					
ZZZZZZ			03:58																					
ZZZZZZ			03:58																					
ZZZZZZ			03:58																					
ZZZZZZ			03:58																					
480-67484-1	1	T	03:58	X	X																			
480-67484-2	1	T	03:58	X	X																			
480-67484-3	1	T	03:58	X	X																			
480-67484-4	1	T	03:58	X	X																			
480-67484-4 MS	1	T	03:58	X	X																			
480-67484-4 MSD	1	T	03:58	X	X																			
480-67484-5	1	T	03:58	X	X																			
ZZZZZZ			03:58																					

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-67484-1

SDG No.:

Batch Number: 202994 Batch Start Date: 09/18/14 03:58 Batch Analyst: Cwiklinski, Charles D

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
480-67484-A-1	MW-30 (1-4')	Moisture	T	4.40 g	14.81 g	13.96 g			
480-67484-A-2	MW-31 (6-8')	Moisture	T	4.21 g	14.83 g	13.16 g			
480-67484-A-3	MW-32 (16-18')	Moisture	T	4.21 g	15.42 g	13.77 g			
480-67484-A-4	MW-33 (4-8')	Moisture	T	4.32 g	18.03 g	15.82 g			
480-67484-A-4 MS	MW-33 (4-8')	Moisture	T	4.32 g	18.03 g	15.82 g			
480-67484-A-4 MSD	MW-33 (4-8')	Moisture	T	4.32 g	18.03 g	15.82 g			
480-67484-A-5	DUP-1	Moisture	T	4.29 g	16.12 g	14.28 g			

Batch Notes	
Batch Comment	pp-fh-03-14
Date samples were placed in the oven	9/18/14
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	04:15
Date samples were removed from oven	9/18/14
Oven Temp when samples removed from oven	102 Degrees C
Time Samples were removed from oven	18:04
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	102 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☒

TestAm

THE LEADER IN EN

480-67484 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Josh Houch	9/11/14	245673
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
625 Broadway 12th Floor	518-402-9824		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY	EP(GES)	BJF	
Project Name and Location (State)	**Carrier/Waybill Number**		
BARTHELMES MANUFACTURING			
Contract/Purchase Order/Quote No.			
Site #828122 Callout #122727			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis (Attach list if more space is needed): TCL 8260 VOCs	Special Instructions/ Conditions of Receipt
MW-30 (1-4')	9/11/14	1100				X	X						X	
MW-31 (6-8)	↓	1600				X	X						X	
MW-32 (16-18')	9/12/14	1200				X	X						X	
MW-33 (4-8')	9/15/14	1000				X	X						X	
DUP-1	9/12/14	1205				X	X						X	DUP
DUP-2	9/15/14	1000				X	X						X	(MS/MSD DUP for MW-33)

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other STD

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
	9/17/14	1:55	TMB	9-17-14	1755
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

ASP CATEGORY B Deliverable. #2 4.6

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: 480-67484-1

Login Number: 67484

List Source: TestAmerica Buffalo

List Number: 1

Creator: Stau, Brandon M

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.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
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.	True	nysdec
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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-72285-1
Client Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

For:
New York State D.E.C.
6274 E. Avon-Lima Rd.
Avon, New York 14414

Attn: Josh Haugh

Joseph V. Giacomazza

Authorized for release by:
1/6/2015 12:18:48 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

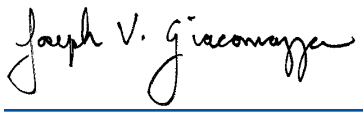
Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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.



Joe Giacomazza
Project Management Assistant II
1/6/2015 12:18:49 PM

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
*	LCS or LCSD exceeds the control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-72285-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-72285-1

Receipt
The samples were received on 12/3/2014 10:55 AM, 12/4/2014 2:35 PM and 12/5/2014 12:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.4º C, 2.7º C, 2.8º C and 4.3º C.

Except:

The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): DUP (480-72421-4)

GC/MS VOA
Method(s) 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 219142 recovered outside control limits for the following analytes:Chlorodibromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 219142 recovered above the upper control limit for Several Analytes The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-219142/3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 219142 recovered outside acceptance criteria, low biased, for Carbon Disulfide, and 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 219249 recovered above the upper control limit for Vinyl chloride, Chlorodibromomethane, Dichlorodifluoromethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-219249/2).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 219249 recovered outside acceptance criteria, low biased, for Carbon disulfide and Methyl cyclohexane. 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 following sample(s) was diluted to bring the concentration of target analytes within the calibration range: (480-72286-1 MS), (480-72286-1 MSD), HRP-BR-3 (480-72286-7), MW-11 (480-72286-5), MW-15 (480-72286-8), MW-30 (480-72286-1), MW-32 (480-72286-11), MW-8 (480-72286-2), RW-2 (480-72286-10). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 219347 recovered above the upper control limit for Several Analytes The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-219347/3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 219347 recovered outside acceptance criteria, low biased, for Carbon Disulfide, and 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 following sample(s) was diluted to bring the concentration of target analytes within the calibration range: MW-32 (480-72286-11). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 219484 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-219484/2).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 219484 recovered outside acceptance criteria, low biased, for 2-Butanone. 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.

Job ID: 480-72285-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 219332 recovered outside acceptance criteria, low biased, for Carbon Disulfide. 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 following sample(s) was diluted to bring the concentration of target analytes within the calibration range: MW-30 (480-72285-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 219491 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-219491/3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 219491 recovered outside acceptance criteria, low biased, for Carbon disulfide, Cyclohexane, Methylene chloride, and 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 laboratory control sample (LCS) for batch 219491 recovered outside control limits for the following analytes: Carbon disulfide. These analytes were not requested spiking compounds in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

GC VOA

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

Metals

Method(s) 6010C: The continuing calibration blank (CCB) for analytical batch 480-219109 contained Dissolved Iron and Manganese above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

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

General Chemistry

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

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-30
Date Collected: 12/02/14 15:37
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72285-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/14 19:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/14 19:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/15/14 19:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/14 19:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/14 19:08	1
1,1-Dichloroethene	**2.4**		1.0	0.29	ug/L			12/15/14 19:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/15/14 19:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/15/14 19:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/15/14 19:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/15/14 19:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/14 19:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/14 19:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/15/14 19:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/15/14 19:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/14 19:08	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/14 19:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/14 19:08	1
Acetone	ND		10	3.0	ug/L			12/15/14 19:08	1
Benzene	ND		1.0	0.41	ug/L			12/15/14 19:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/14 19:08	1
Bromoform	ND		1.0	0.26	ug/L			12/15/14 19:08	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/14 19:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/14 19:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/14 19:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/14 19:08	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/14 19:08	1
Chloroform	**0.43**	**J**	1.0	0.34	ug/L			12/15/14 19:08	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/14 19:08	1
cis-1,2-Dichloroethene	**290**	**E**	1.0	0.81	ug/L			12/15/14 19:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/14 19:08	1
Cyclohexane	ND		1.0	0.18	ug/L			12/15/14 19:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/15/14 19:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/15/14 19:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/14 19:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/15/14 19:08	1
Methyl acetate	ND		2.5	0.50	ug/L			12/15/14 19:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/15/14 19:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/15/14 19:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/14 19:08	1
Styrene	ND		1.0	0.73	ug/L			12/15/14 19:08	1
Tetrachloroethene	**2.2**		1.0	0.36	ug/L			12/15/14 19:08	1
Toluene	ND		1.0	0.51	ug/L			12/15/14 19:08	1
trans-1,2-Dichloroethene	**5.9**		1.0	0.90	ug/L			12/15/14 19:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/14 19:08	1
Trichloroethene	**1100**	**E**	1.0	0.46	ug/L			12/15/14 19:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/15/14 19:08	1
Vinyl chloride	**1.4**		1.0	0.90	ug/L			12/15/14 19:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/14 19:08	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-30
Date Collected: 12/02/14 15:37
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72285-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*113*		*66 - 137*		*12/15/14 19:08*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/15/14 19:08*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*		*12/15/14 19:08*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			12/16/14 15:32	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/16/14 15:32	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			12/16/14 15:32	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/16/14 15:32	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/16/14 15:32	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/16/14 15:32	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			12/16/14 15:32	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			12/16/14 15:32	20
1,2-Dibromoethane	ND		20	15	ug/L			12/16/14 15:32	20
1,2-Dichlorobenzene	ND		20	16	ug/L			12/16/14 15:32	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/16/14 15:32	20
1,2-Dichloropropane	ND		20	14	ug/L			12/16/14 15:32	20
1,3-Dichlorobenzene	ND		20	16	ug/L			12/16/14 15:32	20
1,4-Dichlorobenzene	ND		20	17	ug/L			12/16/14 15:32	20
2-Butanone (MEK)	ND		200	26	ug/L			12/16/14 15:32	20
2-Hexanone	ND		100	25	ug/L			12/16/14 15:32	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/16/14 15:32	20
Acetone	ND		200	60	ug/L			12/16/14 15:32	20
Benzene	ND		20	8.2	ug/L			12/16/14 15:32	20
Bromodichloromethane	ND		20	7.8	ug/L			12/16/14 15:32	20
Bromoform	ND		20	5.2	ug/L			12/16/14 15:32	20
Bromomethane	ND		20	14	ug/L			12/16/14 15:32	20
Carbon disulfide	ND		20	3.8	ug/L			12/16/14 15:32	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/16/14 15:32	20
Chlorobenzene	ND		20	15	ug/L			12/16/14 15:32	20
Chloroethane	ND		20	6.4	ug/L			12/16/14 15:32	20
Chloroform	ND		20	6.8	ug/L			12/16/14 15:32	20
Chloromethane	ND		20	7.0	ug/L			12/16/14 15:32	20
cis-1,2-Dichloroethene	**320**		20	16	ug/L			12/16/14 15:32	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/16/14 15:32	20
Cyclohexane	ND		20	3.6	ug/L			12/16/14 15:32	20
Dibromochloromethane	ND		20	6.4	ug/L			12/16/14 15:32	20
Dichlorodifluoromethane	ND		20	14	ug/L			12/16/14 15:32	20
Ethylbenzene	ND		20	15	ug/L			12/16/14 15:32	20
Isopropylbenzene	ND		20	16	ug/L			12/16/14 15:32	20
Methyl acetate	ND		50	10	ug/L			12/16/14 15:32	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			12/16/14 15:32	20
Methylcyclohexane	ND		20	3.2	ug/L			12/16/14 15:32	20
Methylene Chloride	ND		20	8.8	ug/L			12/16/14 15:32	20
Styrene	ND		20	15	ug/L			12/16/14 15:32	20
Tetrachloroethene	ND		20	7.2	ug/L			12/16/14 15:32	20
Toluene	ND		20	10	ug/L			12/16/14 15:32	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/16/14 15:32	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/16/14 15:32	20

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-30
Date Collected: 12/02/14 15:37
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72285-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**1400**		20	9.2	ug/L			12/16/14 15:32	20
Trichlorofluoromethane	ND		20	18	ug/L			12/16/14 15:32	20
Vinyl chloride	ND		20	18	ug/L			12/16/14 15:32	20
Xylenes, Total	ND		40	13	ug/L			12/16/14 15:32	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*12/16/14 15:32*	*20*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/16/14 15:32*	*20*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/16/14 15:32*	*20*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			12/04/14 10:14	1
Ethane	ND		7.5	1.5	ug/L			12/04/14 10:14	1
Ethene	ND		7.0	1.5	ug/L			12/04/14 10:14	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.12**		0.050		mg/L		12/05/14 08:53	12/05/14 23:01	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.050		mg/L		12/09/14 13:16	12/10/14 16:37	1
Manganese, Dissolved	**0.48**		0.0030		mg/L		12/09/14 13:16	12/10/14 16:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**2.7**		0.050		mg/L			12/04/14 13:13	1
Total Organic Carbon	ND		1.0		mg/L			12/08/14 13:09	1
Alkalinity, Total	**399**		5.0		mg/L			12/04/14 11:13	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: TRIP BLANK
Date Collected: 12/02/14 00:00
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72285-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/14 18:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/14 18:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/15/14 18:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/14 18:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/14 18:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/15/14 18:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/15/14 18:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/15/14 18:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/15/14 18:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/15/14 18:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/14 18:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/14 18:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/15/14 18:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/15/14 18:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/14 18:46	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/14 18:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/14 18:46	1
Acetone	ND		10	3.0	ug/L			12/15/14 18:46	1
Benzene	ND		1.0	0.41	ug/L			12/15/14 18:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/14 18:46	1
Bromoform	ND		1.0	0.26	ug/L			12/15/14 18:46	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/14 18:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/14 18:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/14 18:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/14 18:46	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/14 18:46	1
Chloroform	ND		1.0	0.34	ug/L			12/15/14 18:46	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/14 18:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/15/14 18:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/14 18:46	1
Cyclohexane	ND		1.0	0.18	ug/L			12/15/14 18:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/15/14 18:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/15/14 18:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/14 18:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/15/14 18:46	1
Methyl acetate	ND		2.5	0.50	ug/L			12/15/14 18:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/15/14 18:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/15/14 18:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/14 18:46	1
Styrene	ND		1.0	0.73	ug/L			12/15/14 18:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/15/14 18:46	1
Toluene	ND		1.0	0.51	ug/L			12/15/14 18:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/15/14 18:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/14 18:46	1
Trichloroethene	ND		1.0	0.46	ug/L			12/15/14 18:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/15/14 18:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/15/14 18:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/14 18:46	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: TRIP BLANK
Date Collected: 12/02/14 00:00
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72285-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		66 - 137		12/15/14 18:46	1
4-Bromofluorobenzene (Surr)	102		73 - 120		12/15/14 18:46	1
Toluene-d8 (Surr)	101		71 - 126		12/15/14 18:46	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-30
Date Collected: 12/02/14 10:14
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/14 12:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/14 12:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/15/14 12:24	1
1,1,2-Trichloroethane	**0.33**	**J**	1.0	0.23	ug/L			12/15/14 12:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/14 12:24	1
1,1-Dichloroethene	**2.1**		1.0	0.29	ug/L			12/15/14 12:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/15/14 12:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/15/14 12:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/15/14 12:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/15/14 12:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/14 12:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/14 12:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/15/14 12:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/15/14 12:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/14 12:24	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/14 12:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/14 12:24	1
Acetone	**58**		10	3.0	ug/L			12/15/14 12:24	1
Benzene	ND		1.0	0.41	ug/L			12/15/14 12:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/14 12:24	1
Bromoform	ND		1.0	0.26	ug/L			12/15/14 12:24	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/14 12:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/14 12:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/14 12:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/14 12:24	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/14 12:24	1
Chloroform	**0.76**	**J**	1.0	0.34	ug/L			12/15/14 12:24	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/14 12:24	1
cis-1,2-Dichloroethene	**330**	**E**	1.0	0.81	ug/L			12/15/14 12:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/14 12:24	1
Cyclohexane	ND		1.0	0.18	ug/L			12/15/14 12:24	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			12/15/14 12:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/15/14 12:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/14 12:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/15/14 12:24	1
Methyl acetate	ND		2.5	0.50	ug/L			12/15/14 12:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/15/14 12:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/15/14 12:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/14 12:24	1
Styrene	ND		1.0	0.73	ug/L			12/15/14 12:24	1
Tetrachloroethene	**1.7**		1.0	0.36	ug/L			12/15/14 12:24	1
Toluene	ND		1.0	0.51	ug/L			12/15/14 12:24	1
trans-1,2-Dichloroethene	**2.8**		1.0	0.90	ug/L			12/15/14 12:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/14 12:24	1
Trichloroethene	**1100**	**E**	1.0	0.46	ug/L			12/15/14 12:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/15/14 12:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/15/14 12:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/14 12:24	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-30
Date Collected: 12/02/14 10:14
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*117*		*66 - 137*		*12/15/14 12:24*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*12/15/14 12:24*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*12/15/14 12:24*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	21	ug/L			12/16/14 00:25	25
1,1,2,2-Tetrachloroethane	ND		25	5.3	ug/L			12/16/14 00:25	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	7.8	ug/L			12/16/14 00:25	25
1,1,2-Trichloroethane	ND		25	5.8	ug/L			12/16/14 00:25	25
1,1-Dichloroethane	ND		25	9.5	ug/L			12/16/14 00:25	25
1,1-Dichloroethene	ND		25	7.3	ug/L			12/16/14 00:25	25
1,2,4-Trichlorobenzene	ND		25	10	ug/L			12/16/14 00:25	25
1,2-Dibromo-3-Chloropropane	ND		25	9.8	ug/L			12/16/14 00:25	25
1,2-Dibromoethane	ND		25	18	ug/L			12/16/14 00:25	25
1,2-Dichlorobenzene	ND		25	20	ug/L			12/16/14 00:25	25
1,2-Dichloroethane	ND		25	5.3	ug/L			12/16/14 00:25	25
1,2-Dichloropropane	ND		25	18	ug/L			12/16/14 00:25	25
1,3-Dichlorobenzene	ND		25	20	ug/L			12/16/14 00:25	25
1,4-Dichlorobenzene	ND		25	21	ug/L			12/16/14 00:25	25
2-Butanone (MEK)	ND		250	33	ug/L			12/16/14 00:25	25
2-Hexanone	ND		130	31	ug/L			12/16/14 00:25	25
4-Methyl-2-pentanone (MIBK)	ND		130	53	ug/L			12/16/14 00:25	25
Acetone	ND		250	75	ug/L			12/16/14 00:25	25
Benzene	ND		25	10	ug/L			12/16/14 00:25	25
Bromodichloromethane	ND		25	9.8	ug/L			12/16/14 00:25	25
Bromoform	ND		25	6.5	ug/L			12/16/14 00:25	25
Bromomethane	ND		25	17	ug/L			12/16/14 00:25	25
Carbon disulfide	ND		25	4.8	ug/L			12/16/14 00:25	25
Carbon tetrachloride	ND		25	6.8	ug/L			12/16/14 00:25	25
Chlorobenzene	ND		25	19	ug/L			12/16/14 00:25	25
Chloroethane	ND		25	8.0	ug/L			12/16/14 00:25	25
Chloroform	ND		25	8.5	ug/L			12/16/14 00:25	25
Chloromethane	ND		25	8.8	ug/L			12/16/14 00:25	25
cis-1,2-Dichloroethene	**430**		25	20	ug/L			12/16/14 00:25	25
cis-1,3-Dichloropropene	ND		25	9.0	ug/L			12/16/14 00:25	25
Cyclohexane	ND		25	4.5	ug/L			12/16/14 00:25	25
Dibromochloromethane	ND		25	8.0	ug/L			12/16/14 00:25	25
Dichlorodifluoromethane	ND		25	17	ug/L			12/16/14 00:25	25
Ethylbenzene	ND		25	19	ug/L			12/16/14 00:25	25
Isopropylbenzene	ND		25	20	ug/L			12/16/14 00:25	25
Methyl acetate	ND		63	13	ug/L			12/16/14 00:25	25
Methyl tert-butyl ether	ND		25	4.0	ug/L			12/16/14 00:25	25
Methylcyclohexane	ND		25	4.0	ug/L			12/16/14 00:25	25
Methylene Chloride	ND		25	11	ug/L			12/16/14 00:25	25
Styrene	ND		25	18	ug/L			12/16/14 00:25	25
Tetrachloroethene	ND		25	9.0	ug/L			12/16/14 00:25	25
Toluene	ND		25	13	ug/L			12/16/14 00:25	25
trans-1,2-Dichloroethene	ND		25	23	ug/L			12/16/14 00:25	25
trans-1,3-Dichloropropene	ND		25	9.3	ug/L			12/16/14 00:25	25

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-30
Date Collected: 12/02/14 10:14
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	2000		25	12	ug/L			12/16/14 00:25	25
Trichlorofluoromethane	ND		25	22	ug/L			12/16/14 00:25	25
Vinyl chloride	ND		25	23	ug/L			12/16/14 00:25	25
Xylenes, Total	ND		50	17	ug/L			12/16/14 00:25	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*129*		*66 - 137*		*12/16/14 00:25*	*25*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*12/16/14 00:25*	*25*
Toluene-d8 (Surr)	*95*		*71 - 126*		*12/16/14 00:25*	*25*

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-8
Date Collected: 12/02/14 10:30
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/14 12:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/14 12:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**2.1**		1.0	0.31	ug/L			12/15/14 12:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/14 12:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/14 12:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/15/14 12:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/15/14 12:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/15/14 12:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/15/14 12:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/15/14 12:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/14 12:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/14 12:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/15/14 12:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/15/14 12:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/14 12:48	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/14 12:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/14 12:48	1
Acetone	**68**		10	3.0	ug/L			12/15/14 12:48	1
Benzene	ND		1.0	0.41	ug/L			12/15/14 12:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/14 12:48	1
Bromoform	ND		1.0	0.26	ug/L			12/15/14 12:48	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/14 12:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/14 12:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/14 12:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/14 12:48	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/14 12:48	1
Chloroform	ND		1.0	0.34	ug/L			12/15/14 12:48	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/14 12:48	1
cis-1,2-Dichloroethene	**2.1**		1.0	0.81	ug/L			12/15/14 12:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/14 12:48	1
Cyclohexane	ND		1.0	0.18	ug/L			12/15/14 12:48	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			12/15/14 12:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/15/14 12:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/14 12:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/15/14 12:48	1
Methyl acetate	ND		2.5	0.50	ug/L			12/15/14 12:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/15/14 12:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/15/14 12:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/14 12:48	1
Styrene	ND		1.0	0.73	ug/L			12/15/14 12:48	1
Tetrachloroethene	**6.8**		1.0	0.36	ug/L			12/15/14 12:48	1
Toluene	ND		1.0	0.51	ug/L			12/15/14 12:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/15/14 12:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/14 12:48	1
Trichloroethene	**200**	**E**	1.0	0.46	ug/L			12/15/14 12:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/15/14 12:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/15/14 12:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/14 12:48	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-8
Date Collected: 12/02/14 10:30
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*126*		*66 - 137*		*12/15/14 12:48*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*12/15/14 12:48*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/15/14 12:48*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/16/14 00:49	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/16/14 00:49	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/16/14 00:49	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/16/14 00:49	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/16/14 00:49	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/16/14 00:49	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/16/14 00:49	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/16/14 00:49	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/16/14 00:49	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/16/14 00:49	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/16/14 00:49	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/16/14 00:49	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/16/14 00:49	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/16/14 00:49	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/16/14 00:49	5
2-Hexanone	ND		25	6.2	ug/L			12/16/14 00:49	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/16/14 00:49	5
Acetone	**85**		50	15	ug/L			12/16/14 00:49	5
Benzene	ND		5.0	2.1	ug/L			12/16/14 00:49	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/16/14 00:49	5
Bromoform	ND		5.0	1.3	ug/L			12/16/14 00:49	5
Bromomethane	ND		5.0	3.5	ug/L			12/16/14 00:49	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/16/14 00:49	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/16/14 00:49	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/16/14 00:49	5
Chloroethane	ND		5.0	1.6	ug/L			12/16/14 00:49	5
Chloroform	ND		5.0	1.7	ug/L			12/16/14 00:49	5
Chloromethane	ND		5.0	1.8	ug/L			12/16/14 00:49	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/16/14 00:49	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/16/14 00:49	5
Cyclohexane	ND		5.0	0.90	ug/L			12/16/14 00:49	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/16/14 00:49	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/16/14 00:49	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/16/14 00:49	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/16/14 00:49	5
Methyl acetate	ND		13	2.5	ug/L			12/16/14 00:49	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/16/14 00:49	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/16/14 00:49	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/16/14 00:49	5
Styrene	ND		5.0	3.7	ug/L			12/16/14 00:49	5
Tetrachloroethene	**6.5**		5.0	1.8	ug/L			12/16/14 00:49	5
Toluene	ND		5.0	2.6	ug/L			12/16/14 00:49	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/16/14 00:49	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/16/14 00:49	5

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-8
Date Collected: 12/02/14 10:30
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	200		5.0	2.3	ug/L			12/16/14 00:49	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/16/14 00:49	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/16/14 00:49	5
Xylenes, Total	ND		10	3.3	ug/L			12/16/14 00:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*131*		*66 - 137*		*12/16/14 00:49*	*5*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/16/14 00:49*	*5*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/16/14 00:49*	*5*

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-6
Date Collected: 12/02/14 10:44
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/16/14 01:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/16/14 01:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**3.4**		1.0	0.31	ug/L			12/16/14 01:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/16/14 01:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/16/14 01:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/16/14 01:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/16/14 01:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/16/14 01:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/16/14 01:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/16/14 01:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/16/14 01:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/16/14 01:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/16/14 01:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/16/14 01:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/16/14 01:13	1
2-Hexanone	ND		5.0	1.2	ug/L			12/16/14 01:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/16/14 01:13	1
Acetone	**69**		10	3.0	ug/L			12/16/14 01:13	1
Benzene	ND		1.0	0.41	ug/L			12/16/14 01:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/16/14 01:13	1
Bromoform	ND		1.0	0.26	ug/L			12/16/14 01:13	1
Bromomethane	ND		1.0	0.69	ug/L			12/16/14 01:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/16/14 01:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/16/14 01:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/16/14 01:13	1
Chloroethane	**0.51**	**J**	1.0	0.32	ug/L			12/16/14 01:13	1
Chloroform	ND		1.0	0.34	ug/L			12/16/14 01:13	1
Chloromethane	ND		1.0	0.35	ug/L			12/16/14 01:13	1
cis-1,2-Dichloroethene	**45**		1.0	0.81	ug/L			12/16/14 01:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/16/14 01:13	1
Cyclohexane	ND		1.0	0.18	ug/L			12/16/14 01:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/16/14 01:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/16/14 01:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/16/14 01:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/16/14 01:13	1
Methyl acetate	ND		2.5	0.50	ug/L			12/16/14 01:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/16/14 01:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/16/14 01:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/16/14 01:13	1
Styrene	ND		1.0	0.73	ug/L			12/16/14 01:13	1
Tetrachloroethene	**5.4**		1.0	0.36	ug/L			12/16/14 01:13	1
Toluene	ND		1.0	0.51	ug/L			12/16/14 01:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/16/14 01:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/16/14 01:13	1
Trichloroethene	**79**		1.0	0.46	ug/L			12/16/14 01:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/16/14 01:13	1
Vinyl chloride	**78**	**^**	1.0	0.90	ug/L			12/16/14 01:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/16/14 01:13	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-6
Date Collected: 12/02/14 10:44
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	135		66 - 137		12/16/14 01:13	1
4-Bromofluorobenzene (Surr)	93		73 - 120		12/16/14 01:13	1
Toluene-d8 (Surr)	102		71 - 126		12/16/14 01:13	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-1
Date Collected: 12/02/14 11:00
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/14 13:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/14 13:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.4**		1.0	0.31	ug/L			12/15/14 13:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/14 13:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/14 13:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/15/14 13:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/15/14 13:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/15/14 13:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/15/14 13:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/15/14 13:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/14 13:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/14 13:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/15/14 13:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/15/14 13:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/14 13:36	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/14 13:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/14 13:36	1
Acetone	**67**		10	3.0	ug/L			12/15/14 13:36	1
Benzene	ND		1.0	0.41	ug/L			12/15/14 13:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/14 13:36	1
Bromoform	ND		1.0	0.26	ug/L			12/15/14 13:36	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/14 13:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/14 13:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/14 13:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/14 13:36	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/14 13:36	1
Chloroform	ND		1.0	0.34	ug/L			12/15/14 13:36	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/14 13:36	1
cis-1,2-Dichloroethene	**1.4**		1.0	0.81	ug/L			12/15/14 13:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/14 13:36	1
Cyclohexane	ND		1.0	0.18	ug/L			12/15/14 13:36	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			12/15/14 13:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/15/14 13:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/14 13:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/15/14 13:36	1
Methyl acetate	ND		2.5	0.50	ug/L			12/15/14 13:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/15/14 13:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/15/14 13:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/14 13:36	1
Styrene	ND		1.0	0.73	ug/L			12/15/14 13:36	1
Tetrachloroethene	**4.3**		1.0	0.36	ug/L			12/15/14 13:36	1
Toluene	ND		1.0	0.51	ug/L			12/15/14 13:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/15/14 13:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/14 13:36	1
Trichloroethene	**19**		1.0	0.46	ug/L			12/15/14 13:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/15/14 13:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/15/14 13:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/14 13:36	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-1
Date Collected: 12/02/14 11:00
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		66 - 137		12/15/14 13:36	1
4-Bromofluorobenzene (Surr)	88		73 - 120		12/15/14 13:36	1
Toluene-d8 (Surr)	92		71 - 126		12/15/14 13:36	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-11
Date Collected: 12/02/14 11:10
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/14 13:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/14 13:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/15/14 13:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/14 13:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/14 13:59	1
1,1-Dichloroethene	**0.50**	**J**	1.0	0.29	ug/L			12/15/14 13:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/15/14 13:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/15/14 13:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/15/14 13:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/15/14 13:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/14 13:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/14 13:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/15/14 13:59	1
1,4-Dichlorobenzene	**1.3**		1.0	0.84	ug/L			12/15/14 13:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/14 13:59	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/14 13:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/14 13:59	1
Acetone	**61**		10	3.0	ug/L			12/15/14 13:59	1
Benzene	ND		1.0	0.41	ug/L			12/15/14 13:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/14 13:59	1
Bromoform	ND		1.0	0.26	ug/L			12/15/14 13:59	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/14 13:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/14 13:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/14 13:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/14 13:59	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/14 13:59	1
Chloroform	ND		1.0	0.34	ug/L			12/15/14 13:59	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/14 13:59	1
cis-1,2-Dichloroethene	**100**	**E**	1.0	0.81	ug/L			12/15/14 13:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/14 13:59	1
Cyclohexane	ND		1.0	0.18	ug/L			12/15/14 13:59	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			12/15/14 13:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/15/14 13:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/14 13:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/15/14 13:59	1
Methyl acetate	ND		2.5	0.50	ug/L			12/15/14 13:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/15/14 13:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/15/14 13:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/14 13:59	1
Styrene	ND		1.0	0.73	ug/L			12/15/14 13:59	1
Tetrachloroethene	**1.4**		1.0	0.36	ug/L			12/15/14 13:59	1
Toluene	ND		1.0	0.51	ug/L			12/15/14 13:59	1
trans-1,2-Dichloroethene	**0.90**	**J**	1.0	0.90	ug/L			12/15/14 13:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/14 13:59	1
Trichloroethene	**260**	**E**	1.0	0.46	ug/L			12/15/14 13:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/15/14 13:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/15/14 13:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/14 13:59	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-11
Date Collected: 12/02/14 11:10
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*127*		*66 - 137*		*12/15/14 13:59*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*12/15/14 13:59*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*12/15/14 13:59*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/16/14 02:01	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/16/14 02:01	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/16/14 02:01	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/16/14 02:01	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/16/14 02:01	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/16/14 02:01	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/16/14 02:01	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/16/14 02:01	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/16/14 02:01	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/16/14 02:01	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/16/14 02:01	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/16/14 02:01	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/16/14 02:01	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/16/14 02:01	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/16/14 02:01	5
2-Hexanone	ND		25	6.2	ug/L			12/16/14 02:01	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/16/14 02:01	5
Acetone	**72**		50	15	ug/L			12/16/14 02:01	5
Benzene	ND		5.0	2.1	ug/L			12/16/14 02:01	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/16/14 02:01	5
Bromoform	ND		5.0	1.3	ug/L			12/16/14 02:01	5
Bromomethane	ND		5.0	3.5	ug/L			12/16/14 02:01	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/16/14 02:01	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/16/14 02:01	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/16/14 02:01	5
Chloroethane	ND		5.0	1.6	ug/L			12/16/14 02:01	5
Chloroform	ND		5.0	1.7	ug/L			12/16/14 02:01	5
Chloromethane	ND		5.0	1.8	ug/L			12/16/14 02:01	5
cis-1,2-Dichloroethene	**100**		5.0	4.1	ug/L			12/16/14 02:01	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/16/14 02:01	5
Cyclohexane	ND		5.0	0.90	ug/L			12/16/14 02:01	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/16/14 02:01	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/16/14 02:01	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/16/14 02:01	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/16/14 02:01	5
Methyl acetate	ND		13	2.5	ug/L			12/16/14 02:01	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/16/14 02:01	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/16/14 02:01	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/16/14 02:01	5
Styrene	ND		5.0	3.7	ug/L			12/16/14 02:01	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/16/14 02:01	5
Toluene	ND		5.0	2.6	ug/L			12/16/14 02:01	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/16/14 02:01	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/16/14 02:01	5

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-11
Date Collected: 12/02/14 11:10
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	280		5.0	2.3	ug/L			12/16/14 02:01	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/16/14 02:01	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/16/14 02:01	5
Xylenes, Total	ND		10	3.3	ug/L			12/16/14 02:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*133*		*66 - 137*		*12/16/14 02:01*	*5*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*12/16/14 02:01*	*5*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/16/14 02:01*	*5*

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-31
Date Collected: 12/02/14 11:38
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/16/14 02:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/16/14 02:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/16/14 02:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/16/14 02:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/16/14 02:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/16/14 02:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/16/14 02:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/16/14 02:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/16/14 02:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/16/14 02:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/16/14 02:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/16/14 02:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/16/14 02:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/16/14 02:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/16/14 02:25	1
2-Hexanone	ND		5.0	1.2	ug/L			12/16/14 02:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/16/14 02:25	1
Acetone	**33**		10	3.0	ug/L			12/16/14 02:25	1
Benzene	ND		1.0	0.41	ug/L			12/16/14 02:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/16/14 02:25	1
Bromoform	ND		1.0	0.26	ug/L			12/16/14 02:25	1
Bromomethane	ND		1.0	0.69	ug/L			12/16/14 02:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/16/14 02:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/16/14 02:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/16/14 02:25	1
Chloroethane	ND		1.0	0.32	ug/L			12/16/14 02:25	1
Chloroform	ND		1.0	0.34	ug/L			12/16/14 02:25	1
Chloromethane	ND		1.0	0.35	ug/L			12/16/14 02:25	1
cis-1,2-Dichloroethene	**5.8**		1.0	0.81	ug/L			12/16/14 02:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/16/14 02:25	1
Cyclohexane	ND		1.0	0.18	ug/L			12/16/14 02:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/16/14 02:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/16/14 02:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/16/14 02:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/16/14 02:25	1
Methyl acetate	ND		2.5	0.50	ug/L			12/16/14 02:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/16/14 02:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/16/14 02:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/16/14 02:25	1
Styrene	ND		1.0	0.73	ug/L			12/16/14 02:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/16/14 02:25	1
Toluene	ND		1.0	0.51	ug/L			12/16/14 02:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/16/14 02:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/16/14 02:25	1
Trichloroethene	**11**		1.0	0.46	ug/L			12/16/14 02:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/16/14 02:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/16/14 02:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/16/14 02:25	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-31
Date Collected: 12/02/14 11:38
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	133		66 - 137		12/16/14 02:25	1
4-Bromofluorobenzene (Surr)	95		73 - 120		12/16/14 02:25	1
Toluene-d8 (Surr)	98		71 - 126		12/16/14 02:25	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: HRP-BR-3
Date Collected: 12/02/14 11:48
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/14 14:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/14 14:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**2.5**		1.0	0.31	ug/L			12/15/14 14:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/14 14:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/14 14:47	1
1,1-Dichloroethene	**6.1**		1.0	0.29	ug/L			12/15/14 14:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/15/14 14:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/15/14 14:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/15/14 14:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/15/14 14:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/14 14:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/14 14:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/15/14 14:47	1
1,4-Dichlorobenzene	**1.3**		1.0	0.84	ug/L			12/15/14 14:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/14 14:47	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/14 14:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/14 14:47	1
Acetone	**64**		10	3.0	ug/L			12/15/14 14:47	1
Benzene	ND		1.0	0.41	ug/L			12/15/14 14:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/14 14:47	1
Bromoform	ND		1.0	0.26	ug/L			12/15/14 14:47	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/14 14:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/14 14:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/14 14:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/14 14:47	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/14 14:47	1
Chloroform	ND		1.0	0.34	ug/L			12/15/14 14:47	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/14 14:47	1
cis-1,2-Dichloroethene	**620**	**E**	1.0	0.81	ug/L			12/15/14 14:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/14 14:47	1
Cyclohexane	ND		1.0	0.18	ug/L			12/15/14 14:47	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			12/15/14 14:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/15/14 14:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/14 14:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/15/14 14:47	1
Methyl acetate	ND		2.5	0.50	ug/L			12/15/14 14:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/15/14 14:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/15/14 14:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/14 14:47	1
Styrene	ND		1.0	0.73	ug/L			12/15/14 14:47	1
Tetrachloroethene	**4.3**		1.0	0.36	ug/L			12/15/14 14:47	1
Toluene	ND		1.0	0.51	ug/L			12/15/14 14:47	1
trans-1,2-Dichloroethene	**3.0**		1.0	0.90	ug/L			12/15/14 14:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/14 14:47	1
Trichloroethene	**1000**	**E**	1.0	0.46	ug/L			12/15/14 14:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/15/14 14:47	1
Vinyl chloride	**8.8**		1.0	0.90	ug/L			12/15/14 14:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/14 14:47	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: HRP-BR-3
Date Collected: 12/02/14 11:48
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*125*		*66 - 137*		*12/15/14 14:47*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*12/15/14 14:47*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/15/14 14:47*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	21	ug/L			12/16/14 02:49	25
1,1,2,2-Tetrachloroethane	ND		25	5.3	ug/L			12/16/14 02:49	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	7.8	ug/L			12/16/14 02:49	25
1,1,2-Trichloroethane	ND		25	5.8	ug/L			12/16/14 02:49	25
1,1-Dichloroethane	ND		25	9.5	ug/L			12/16/14 02:49	25
1,1-Dichloroethene	ND		25	7.3	ug/L			12/16/14 02:49	25
1,2,4-Trichlorobenzene	ND		25	10	ug/L			12/16/14 02:49	25
1,2-Dibromo-3-Chloropropane	ND		25	9.8	ug/L			12/16/14 02:49	25
1,2-Dibromoethane	ND		25	18	ug/L			12/16/14 02:49	25
1,2-Dichlorobenzene	ND		25	20	ug/L			12/16/14 02:49	25
1,2-Dichloroethane	ND		25	5.3	ug/L			12/16/14 02:49	25
1,2-Dichloropropane	ND		25	18	ug/L			12/16/14 02:49	25
1,3-Dichlorobenzene	ND		25	20	ug/L			12/16/14 02:49	25
1,4-Dichlorobenzene	ND		25	21	ug/L			12/16/14 02:49	25
2-Butanone (MEK)	ND		250	33	ug/L			12/16/14 02:49	25
2-Hexanone	ND		130	31	ug/L			12/16/14 02:49	25
4-Methyl-2-pentanone (MIBK)	ND		130	53	ug/L			12/16/14 02:49	25
Acetone	**95**	**J**	250	75	ug/L			12/16/14 02:49	25
Benzene	ND		25	10	ug/L			12/16/14 02:49	25
Bromodichloromethane	ND		25	9.8	ug/L			12/16/14 02:49	25
Bromoform	ND		25	6.5	ug/L			12/16/14 02:49	25
Bromomethane	ND		25	17	ug/L			12/16/14 02:49	25
Carbon disulfide	ND		25	4.8	ug/L			12/16/14 02:49	25
Carbon tetrachloride	ND		25	6.8	ug/L			12/16/14 02:49	25
Chlorobenzene	ND		25	19	ug/L			12/16/14 02:49	25
Chloroethane	ND		25	8.0	ug/L			12/16/14 02:49	25
Chloroform	ND		25	8.5	ug/L			12/16/14 02:49	25
Chloromethane	ND		25	8.8	ug/L			12/16/14 02:49	25
cis-1,2-Dichloroethene	**860**		25	20	ug/L			12/16/14 02:49	25
cis-1,3-Dichloropropene	ND		25	9.0	ug/L			12/16/14 02:49	25
Cyclohexane	ND		25	4.5	ug/L			12/16/14 02:49	25
Dibromochloromethane	ND		25	8.0	ug/L			12/16/14 02:49	25
Dichlorodifluoromethane	ND		25	17	ug/L			12/16/14 02:49	25
Ethylbenzene	ND		25	19	ug/L			12/16/14 02:49	25
Isopropylbenzene	ND		25	20	ug/L			12/16/14 02:49	25
Methyl acetate	ND		63	13	ug/L			12/16/14 02:49	25
Methyl tert-butyl ether	ND		25	4.0	ug/L			12/16/14 02:49	25
Methylcyclohexane	ND		25	4.0	ug/L			12/16/14 02:49	25
Methylene Chloride	ND		25	11	ug/L			12/16/14 02:49	25
Styrene	ND		25	18	ug/L			12/16/14 02:49	25
Tetrachloroethene	ND		25	9.0	ug/L			12/16/14 02:49	25
Toluene	ND		25	13	ug/L			12/16/14 02:49	25
trans-1,2-Dichloroethene	ND		25	23	ug/L			12/16/14 02:49	25
trans-1,3-Dichloropropene	ND		25	9.3	ug/L			12/16/14 02:49	25

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: HRP-BR-3
Date Collected: 12/02/14 11:48
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1600		25	12	ug/L			12/16/14 02:49	25
Trichlorofluoromethane	ND		25	22	ug/L			12/16/14 02:49	25
Vinyl chloride	ND		25	23	ug/L			12/16/14 02:49	25
Xylenes, Total	ND		50	17	ug/L			12/16/14 02:49	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*131*		*66 - 137*		*12/16/14 02:49*	*25*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*12/16/14 02:49*	*25*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/16/14 02:49*	*25*

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-15
Date Collected: 12/02/14 11:59
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/14 15:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/14 15:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.2**		1.0	0.31	ug/L			12/15/14 15:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/14 15:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/14 15:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/15/14 15:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/15/14 15:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/15/14 15:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/15/14 15:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/15/14 15:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/14 15:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/14 15:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/15/14 15:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/15/14 15:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/14 15:10	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/14 15:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/14 15:10	1
Acetone	**67**		10	3.0	ug/L			12/15/14 15:10	1
Benzene	ND		1.0	0.41	ug/L			12/15/14 15:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/14 15:10	1
Bromoform	ND		1.0	0.26	ug/L			12/15/14 15:10	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/14 15:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/14 15:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/14 15:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/14 15:10	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/14 15:10	1
Chloroform	ND		1.0	0.34	ug/L			12/15/14 15:10	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/14 15:10	1
cis-1,2-Dichloroethene	**15**		1.0	0.81	ug/L			12/15/14 15:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/14 15:10	1
Cyclohexane	ND		1.0	0.18	ug/L			12/15/14 15:10	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			12/15/14 15:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/15/14 15:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/14 15:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/15/14 15:10	1
Methyl acetate	ND		2.5	0.50	ug/L			12/15/14 15:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/15/14 15:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/15/14 15:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/14 15:10	1
Styrene	ND		1.0	0.73	ug/L			12/15/14 15:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/15/14 15:10	1
Toluene	ND		1.0	0.51	ug/L			12/15/14 15:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/15/14 15:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/14 15:10	1
Trichloroethene	**330**	**E**	1.0	0.46	ug/L			12/15/14 15:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/15/14 15:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/15/14 15:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/14 15:10	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-15
Date Collected: 12/02/14 11:59
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*129*		*66 - 137*		*12/15/14 15:10*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*12/15/14 15:10*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/15/14 15:10*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			12/16/14 03:13	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			12/16/14 03:13	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			12/16/14 03:13	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			12/16/14 03:13	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			12/16/14 03:13	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			12/16/14 03:13	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			12/16/14 03:13	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			12/16/14 03:13	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			12/16/14 03:13	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			12/16/14 03:13	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			12/16/14 03:13	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			12/16/14 03:13	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			12/16/14 03:13	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			12/16/14 03:13	8
2-Butanone (MEK)	ND		80	11	ug/L			12/16/14 03:13	8
2-Hexanone	ND		40	9.9	ug/L			12/16/14 03:13	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			12/16/14 03:13	8
Acetone	**88**		80	24	ug/L			12/16/14 03:13	8
Benzene	ND		8.0	3.3	ug/L			12/16/14 03:13	8
Bromodichloromethane	ND		8.0	3.1	ug/L			12/16/14 03:13	8
Bromoform	ND		8.0	2.1	ug/L			12/16/14 03:13	8
Bromomethane	ND		8.0	5.5	ug/L			12/16/14 03:13	8
Carbon disulfide	ND		8.0	1.5	ug/L			12/16/14 03:13	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			12/16/14 03:13	8
Chlorobenzene	ND		8.0	6.0	ug/L			12/16/14 03:13	8
Chloroethane	ND		8.0	2.6	ug/L			12/16/14 03:13	8
Chloroform	ND		8.0	2.7	ug/L			12/16/14 03:13	8
Chloromethane	ND		8.0	2.8	ug/L			12/16/14 03:13	8
cis-1,2-Dichloroethene	**13**		8.0	6.5	ug/L			12/16/14 03:13	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			12/16/14 03:13	8
Cyclohexane	ND		8.0	1.4	ug/L			12/16/14 03:13	8
Dibromochloromethane	ND		8.0	2.6	ug/L			12/16/14 03:13	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			12/16/14 03:13	8
Ethylbenzene	ND		8.0	5.9	ug/L			12/16/14 03:13	8
Isopropylbenzene	ND		8.0	6.3	ug/L			12/16/14 03:13	8
Methyl acetate	ND		20	4.0	ug/L			12/16/14 03:13	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			12/16/14 03:13	8
Methylcyclohexane	ND		8.0	1.3	ug/L			12/16/14 03:13	8
Methylene Chloride	ND		8.0	3.5	ug/L			12/16/14 03:13	8
Styrene	ND		8.0	5.8	ug/L			12/16/14 03:13	8
Tetrachloroethene	ND		8.0	2.9	ug/L			12/16/14 03:13	8
Toluene	ND		8.0	4.1	ug/L			12/16/14 03:13	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			12/16/14 03:13	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			12/16/14 03:13	8

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-15
Date Collected: 12/02/14 11:59
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	360		8.0	3.7	ug/L			12/16/14 03:13	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			12/16/14 03:13	8
Vinyl chloride	ND		8.0	7.2	ug/L			12/16/14 03:13	8
Xylenes, Total	ND		16	5.3	ug/L			12/16/14 03:13	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*137*		*66 - 137*		*12/16/14 03:13*	*8*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*12/16/14 03:13*	*8*
Toluene-d8 (Surr)	*100*		*71 - 126*		*12/16/14 03:13*	*8*

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-33
Date Collected: 12/02/14 12:16
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/14 15:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/14 15:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**12**		1.0	0.31	ug/L			12/15/14 15:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/14 15:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/14 15:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/15/14 15:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/15/14 15:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/15/14 15:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/15/14 15:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/15/14 15:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/14 15:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/14 15:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/15/14 15:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/15/14 15:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/14 15:34	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/14 15:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/14 15:34	1
Acetone	**23**		10	3.0	ug/L			12/15/14 15:34	1
Benzene	ND		1.0	0.41	ug/L			12/15/14 15:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/14 15:34	1
Bromoform	ND		1.0	0.26	ug/L			12/15/14 15:34	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/14 15:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/14 15:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/14 15:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/14 15:34	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/14 15:34	1
Chloroform	ND		1.0	0.34	ug/L			12/15/14 15:34	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/14 15:34	1
cis-1,2-Dichloroethene	**21**		1.0	0.81	ug/L			12/15/14 15:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/14 15:34	1
Cyclohexane	ND		1.0	0.18	ug/L			12/15/14 15:34	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			12/15/14 15:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/15/14 15:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/14 15:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/15/14 15:34	1
Methyl acetate	ND		2.5	0.50	ug/L			12/15/14 15:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/15/14 15:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/15/14 15:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/14 15:34	1
Styrene	ND		1.0	0.73	ug/L			12/15/14 15:34	1
Tetrachloroethene	**2.0**		1.0	0.36	ug/L			12/15/14 15:34	1
Toluene	ND		1.0	0.51	ug/L			12/15/14 15:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/15/14 15:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/14 15:34	1
Trichloroethene	**29**		1.0	0.46	ug/L			12/15/14 15:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/15/14 15:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/15/14 15:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/14 15:34	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-33
Date Collected: 12/02/14 12:16
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	132		66 - 137		12/15/14 15:34	1
4-Bromofluorobenzene (Surr)	92		73 - 120		12/15/14 15:34	1
Toluene-d8 (Surr)	97		71 - 126		12/15/14 15:34	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: RW-2
Date Collected: 12/02/14 12:26
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.88**	**J**	1.0	0.82	ug/L			12/15/14 15:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/14 15:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**26**		1.0	0.31	ug/L			12/15/14 15:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/14 15:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/14 15:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/15/14 15:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/15/14 15:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/15/14 15:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/15/14 15:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/15/14 15:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/14 15:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/14 15:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/15/14 15:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/15/14 15:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/14 15:57	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/14 15:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/14 15:57	1
Acetone	**34**		10	3.0	ug/L			12/15/14 15:57	1
Benzene	ND		1.0	0.41	ug/L			12/15/14 15:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/14 15:57	1
Bromoform	ND		1.0	0.26	ug/L			12/15/14 15:57	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/14 15:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/14 15:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/14 15:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/14 15:57	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/14 15:57	1
Chloroform	ND		1.0	0.34	ug/L			12/15/14 15:57	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/14 15:57	1
cis-1,2-Dichloroethene	**41**		1.0	0.81	ug/L			12/15/14 15:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/14 15:57	1
Cyclohexane	ND		1.0	0.18	ug/L			12/15/14 15:57	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			12/15/14 15:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/15/14 15:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/14 15:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/15/14 15:57	1
Methyl acetate	ND		2.5	0.50	ug/L			12/15/14 15:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/15/14 15:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/15/14 15:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/14 15:57	1
Styrene	ND		1.0	0.73	ug/L			12/15/14 15:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/15/14 15:57	1
Toluene	ND		1.0	0.51	ug/L			12/15/14 15:57	1
trans-1,2-Dichloroethene	**1.3**		1.0	0.90	ug/L			12/15/14 15:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/14 15:57	1
Trichloroethene	**260**	**E**	1.0	0.46	ug/L			12/15/14 15:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/15/14 15:57	1
Vinyl chloride	**1.9**		1.0	0.90	ug/L			12/15/14 15:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/14 15:57	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: RW-2
Date Collected: 12/02/14 12:26
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-10
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*133*		*66 - 137*		*12/15/14 15:57*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*12/15/14 15:57*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*12/15/14 15:57*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/16/14 04:01	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/16/14 04:01	5
1,1,2-Trichloro-1,2,2-trifluoroethane	**29**		5.0	1.6	ug/L			12/16/14 04:01	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/16/14 04:01	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/16/14 04:01	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/16/14 04:01	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/16/14 04:01	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/16/14 04:01	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/16/14 04:01	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/16/14 04:01	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/16/14 04:01	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/16/14 04:01	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/16/14 04:01	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/16/14 04:01	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/16/14 04:01	5
2-Hexanone	ND		25	6.2	ug/L			12/16/14 04:01	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/16/14 04:01	5
Acetone	**41**	**J**	50	15	ug/L			12/16/14 04:01	5
Benzene	ND		5.0	2.1	ug/L			12/16/14 04:01	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/16/14 04:01	5
Bromoform	ND		5.0	1.3	ug/L			12/16/14 04:01	5
Bromomethane	ND		5.0	3.5	ug/L			12/16/14 04:01	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/16/14 04:01	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/16/14 04:01	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/16/14 04:01	5
Chloroethane	ND		5.0	1.6	ug/L			12/16/14 04:01	5
Chloroform	ND		5.0	1.7	ug/L			12/16/14 04:01	5
Chloromethane	ND		5.0	1.8	ug/L			12/16/14 04:01	5
cis-1,2-Dichloroethene	**39**		5.0	4.1	ug/L			12/16/14 04:01	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/16/14 04:01	5
Cyclohexane	ND		5.0	0.90	ug/L			12/16/14 04:01	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/16/14 04:01	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/16/14 04:01	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/16/14 04:01	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/16/14 04:01	5
Methyl acetate	ND		13	2.5	ug/L			12/16/14 04:01	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/16/14 04:01	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/16/14 04:01	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/16/14 04:01	5
Styrene	ND		5.0	3.7	ug/L			12/16/14 04:01	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/16/14 04:01	5
Toluene	ND		5.0	2.6	ug/L			12/16/14 04:01	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/16/14 04:01	5

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: RW-2
Date Collected: 12/02/14 12:26
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/16/14 04:01	5
Trichloroethene	**260**		5.0	2.3	ug/L			12/16/14 04:01	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/16/14 04:01	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/16/14 04:01	5
Xylenes, Total	ND		10	3.3	ug/L			12/16/14 04:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*134*		*66 - 137*		*12/16/14 04:01*	*5*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*12/16/14 04:01*	*5*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/16/14 04:01*	*5*

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-32
Date Collected: 12/02/14 12:42
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/14 16:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/14 16:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/15/14 16:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/14 16:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/14 16:21	1
1,1-Dichloroethene	**1.1**		1.0	0.29	ug/L			12/15/14 16:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/15/14 16:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/15/14 16:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/15/14 16:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/15/14 16:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/14 16:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/14 16:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/15/14 16:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/15/14 16:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/14 16:21	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/14 16:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/14 16:21	1
Acetone	**110**		10	3.0	ug/L			12/15/14 16:21	1
Benzene	ND		1.0	0.41	ug/L			12/15/14 16:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/14 16:21	1
Bromoform	ND		1.0	0.26	ug/L			12/15/14 16:21	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/14 16:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/14 16:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/14 16:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/14 16:21	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/14 16:21	1
Chloroform	ND		1.0	0.34	ug/L			12/15/14 16:21	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/14 16:21	1
cis-1,2-Dichloroethene	**350**	**E**	1.0	0.81	ug/L			12/15/14 16:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/14 16:21	1
Cyclohexane	ND		1.0	0.18	ug/L			12/15/14 16:21	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			12/15/14 16:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/15/14 16:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/14 16:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/15/14 16:21	1
Methyl acetate	ND		2.5	0.50	ug/L			12/15/14 16:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/15/14 16:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/15/14 16:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/14 16:21	1
Styrene	ND		1.0	0.73	ug/L			12/15/14 16:21	1
Tetrachloroethene	**15**		1.0	0.36	ug/L			12/15/14 16:21	1
Toluene	ND		1.0	0.51	ug/L			12/15/14 16:21	1
trans-1,2-Dichloroethene	**2.8**		1.0	0.90	ug/L			12/15/14 16:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/14 16:21	1
Trichloroethene	**1800**	**E**	1.0	0.46	ug/L			12/15/14 16:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/15/14 16:21	1
Vinyl chloride	**2.0**		1.0	0.90	ug/L			12/15/14 16:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/14 16:21	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-32
Date Collected: 12/02/14 12:42
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*128*		*66 - 137*		*12/15/14 16:21*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*12/15/14 16:21*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*12/15/14 16:21*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			12/16/14 12:55	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			12/16/14 12:55	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			12/16/14 12:55	100
1,1,2-Trichloroethane	ND		100	23	ug/L			12/16/14 12:55	100
1,1-Dichloroethane	ND		100	38	ug/L			12/16/14 12:55	100
1,1-Dichloroethene	ND		100	29	ug/L			12/16/14 12:55	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			12/16/14 12:55	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			12/16/14 12:55	100
1,2-Dibromoethane	ND		100	73	ug/L			12/16/14 12:55	100
1,2-Dichlorobenzene	ND		100	79	ug/L			12/16/14 12:55	100
1,2-Dichloroethane	ND		100	21	ug/L			12/16/14 12:55	100
1,2-Dichloropropane	ND		100	72	ug/L			12/16/14 12:55	100
1,3-Dichlorobenzene	ND		100	78	ug/L			12/16/14 12:55	100
1,4-Dichlorobenzene	ND		100	84	ug/L			12/16/14 12:55	100
2-Butanone (MEK)	ND		1000	130	ug/L			12/16/14 12:55	100
2-Hexanone	ND		500	120	ug/L			12/16/14 12:55	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			12/16/14 12:55	100
Acetone	ND		1000	300	ug/L			12/16/14 12:55	100
Benzene	ND		100	41	ug/L			12/16/14 12:55	100
Bromodichloromethane	ND		100	39	ug/L			12/16/14 12:55	100
Bromoform	ND		100	26	ug/L			12/16/14 12:55	100
Bromomethane	ND		100	69	ug/L			12/16/14 12:55	100
Carbon disulfide	ND		100	19	ug/L			12/16/14 12:55	100
Carbon tetrachloride	ND		100	27	ug/L			12/16/14 12:55	100
Chlorobenzene	ND		100	75	ug/L			12/16/14 12:55	100
Chloroethane	ND		100	32	ug/L			12/16/14 12:55	100
Chloroform	ND		100	34	ug/L			12/16/14 12:55	100
Chloromethane	ND		100	35	ug/L			12/16/14 12:55	100
cis-1,2-Dichloroethene	**400**		100	81	ug/L			12/16/14 12:55	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			12/16/14 12:55	100
Cyclohexane	ND		100	18	ug/L			12/16/14 12:55	100
Dibromochloromethane	ND		100	32	ug/L			12/16/14 12:55	100
Dichlorodifluoromethane	ND		100	68	ug/L			12/16/14 12:55	100
Ethylbenzene	ND		100	74	ug/L			12/16/14 12:55	100
Isopropylbenzene	ND		100	79	ug/L			12/16/14 12:55	100
Methyl acetate	ND		250	50	ug/L			12/16/14 12:55	100
Methyl tert-butyl ether	ND		100	16	ug/L			12/16/14 12:55	100
Methylcyclohexane	ND		100	16	ug/L			12/16/14 12:55	100
Methylene Chloride	ND		100	44	ug/L			12/16/14 12:55	100
Styrene	ND		100	73	ug/L			12/16/14 12:55	100
Tetrachloroethene	ND		100	36	ug/L			12/16/14 12:55	100
Toluene	ND		100	51	ug/L			12/16/14 12:55	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			12/16/14 12:55	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			12/16/14 12:55	100

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-32
Date Collected: 12/02/14 12:42
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	4300		100	46	ug/L			12/16/14 12:55	100
Trichlorofluoromethane	ND		100	88	ug/L			12/16/14 12:55	100
Vinyl chloride	ND		100	90	ug/L			12/16/14 12:55	100
Xylenes, Total	ND		200	66	ug/L			12/16/14 12:55	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*132*		*66 - 137*		*12/16/14 12:55*	*100*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/16/14 12:55*	*100*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/16/14 12:55*	*100*

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: PDB BLANK
Date Collected: 12/02/14 16:29
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/16/14 00:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/16/14 00:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/16/14 00:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/16/14 00:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/16/14 00:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/16/14 00:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/16/14 00:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/16/14 00:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/16/14 00:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/16/14 00:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/16/14 00:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/16/14 00:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/16/14 00:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/16/14 00:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/16/14 00:01	1
2-Hexanone	ND		5.0	1.2	ug/L			12/16/14 00:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/16/14 00:01	1
Acetone	**28**		10	3.0	ug/L			12/16/14 00:01	1
Benzene	ND		1.0	0.41	ug/L			12/16/14 00:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/16/14 00:01	1
Bromoform	ND		1.0	0.26	ug/L			12/16/14 00:01	1
Bromomethane	ND		1.0	0.69	ug/L			12/16/14 00:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/16/14 00:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/16/14 00:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/16/14 00:01	1
Chloroethane	ND		1.0	0.32	ug/L			12/16/14 00:01	1
Chloroform	ND		1.0	0.34	ug/L			12/16/14 00:01	1
Chloromethane	ND		1.0	0.35	ug/L			12/16/14 00:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/16/14 00:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/16/14 00:01	1
Cyclohexane	ND		1.0	0.18	ug/L			12/16/14 00:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/16/14 00:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/16/14 00:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/16/14 00:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/16/14 00:01	1
Methyl acetate	ND		2.5	0.50	ug/L			12/16/14 00:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/16/14 00:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/16/14 00:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/16/14 00:01	1
Styrene	ND		1.0	0.73	ug/L			12/16/14 00:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/16/14 00:01	1
Toluene	ND		1.0	0.51	ug/L			12/16/14 00:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/16/14 00:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/16/14 00:01	1
Trichloroethene	ND		1.0	0.46	ug/L			12/16/14 00:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/16/14 00:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/16/14 00:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/16/14 00:01	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: PDB BLANK
Date Collected: 12/02/14 16:29
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-12
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	129		66 - 137		12/16/14 00:01	1
4-Bromofluorobenzene (Surr)	93		73 - 120		12/16/14 00:01	1
Toluene-d8 (Surr)	99		71 - 126		12/16/14 00:01	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: TRIP BLANK
Date Collected: 12/02/14 00:00
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-13
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/14 17:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/14 17:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/15/14 17:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/14 17:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/14 17:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/15/14 17:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/15/14 17:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/15/14 17:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/15/14 17:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/15/14 17:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/14 17:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/14 17:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/15/14 17:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/15/14 17:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/14 17:09	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/14 17:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/14 17:09	1
Acetone	ND		10	3.0	ug/L			12/15/14 17:09	1
Benzene	ND		1.0	0.41	ug/L			12/15/14 17:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/14 17:09	1
Bromoform	ND		1.0	0.26	ug/L			12/15/14 17:09	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/14 17:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/14 17:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/14 17:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/14 17:09	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/14 17:09	1
Chloroform	ND		1.0	0.34	ug/L			12/15/14 17:09	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/14 17:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/15/14 17:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/14 17:09	1
Cyclohexane	ND		1.0	0.18	ug/L			12/15/14 17:09	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			12/15/14 17:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/15/14 17:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/14 17:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/15/14 17:09	1
Methyl acetate	ND		2.5	0.50	ug/L			12/15/14 17:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/15/14 17:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/15/14 17:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/14 17:09	1
Styrene	ND		1.0	0.73	ug/L			12/15/14 17:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/15/14 17:09	1
Toluene	ND		1.0	0.51	ug/L			12/15/14 17:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/15/14 17:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/14 17:09	1
Trichloroethene	ND		1.0	0.46	ug/L			12/15/14 17:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/15/14 17:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/15/14 17:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/14 17:09	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: TRIP BLANK
Date Collected: 12/02/14 00:00
Date Received: 12/03/14 10:55

Lab Sample ID: 480-72286-13
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	131		66 - 137		12/15/14 17:09	1
4-Bromofluorobenzene (Surr)	93		73 - 120		12/15/14 17:09	1
Toluene-d8 (Surr)	95		71 - 126		12/15/14 17:09	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-11
Date Collected: 12/03/14 11:35
Date Received: 12/04/14 14:35

Lab Sample ID: 480-72421-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/17/14 04:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/14 04:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/17/14 04:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/14 04:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/17/14 04:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/14 04:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/17/14 04:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/17/14 04:31	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/17/14 04:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/17/14 04:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/14 04:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/14 04:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/17/14 04:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/17/14 04:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/14 04:31	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/14 04:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/17/14 04:31	1
Acetone	ND		10	3.0	ug/L			12/17/14 04:31	1
Benzene	ND		1.0	0.41	ug/L			12/17/14 04:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/14 04:31	1
Bromoform	ND		1.0	0.26	ug/L			12/17/14 04:31	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/14 04:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/14 04:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/14 04:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/14 04:31	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/14 04:31	1
Chloroform	ND		1.0	0.34	ug/L			12/17/14 04:31	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/14 04:31	1
cis-1,2-Dichloroethene	**40**		1.0	0.81	ug/L			12/17/14 04:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/14 04:31	1
Cyclohexane	ND		1.0	0.18	ug/L			12/17/14 04:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/14 04:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/17/14 04:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/14 04:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/17/14 04:31	1
Methyl acetate	ND		2.5	0.50	ug/L			12/17/14 04:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/17/14 04:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/17/14 04:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/14 04:31	1
Styrene	ND		1.0	0.73	ug/L			12/17/14 04:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/14 04:31	1
Toluene	ND		1.0	0.51	ug/L			12/17/14 04:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/14 04:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/14 04:31	1
Trichloroethene	**77**		1.0	0.46	ug/L			12/17/14 04:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/17/14 04:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/17/14 04:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/14 04:31	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-11
Date Collected: 12/03/14 11:35
Date Received: 12/04/14 14:35

Lab Sample ID: 480-72421-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*12/17/14 04:31*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/17/14 04:31*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/17/14 04:31*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			12/05/14 09:07	1
Ethane	ND		7.5	1.5	ug/L			12/05/14 09:07	1
Ethene	ND		7.0	1.5	ug/L			12/05/14 09:07	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.70**		0.050		mg/L		12/05/14 13:35	12/09/14 12:43	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.050		mg/L		12/09/14 13:16	12/10/14 16:54	1
Manganese, Dissolved	**0.36**		0.0030		mg/L		12/09/14 13:16	12/10/14 16:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**20.7**		0.050		mg/L			12/04/14 18:21	1
Sulfate	**51.3**		20.0		mg/L			12/18/14 22:14	10
Total Organic Carbon	**5.2**		1.0		mg/L			12/08/14 17:06	1
Alkalinity, Total	**502**		5.0		mg/L			12/05/14 05:58	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-33
Date Collected: 12/03/14 14:56
Date Received: 12/04/14 14:35

Lab Sample ID: 480-72421-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/17/14 04:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/14 04:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**13**		1.0	0.31	ug/L			12/17/14 04:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/14 04:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/17/14 04:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/14 04:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/17/14 04:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/17/14 04:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/17/14 04:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/17/14 04:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/14 04:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/14 04:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/17/14 04:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/17/14 04:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/14 04:55	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/14 04:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/17/14 04:55	1
Acetone	ND		10	3.0	ug/L			12/17/14 04:55	1
Benzene	ND		1.0	0.41	ug/L			12/17/14 04:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/14 04:55	1
Bromoform	ND		1.0	0.26	ug/L			12/17/14 04:55	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/14 04:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/14 04:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/14 04:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/14 04:55	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/14 04:55	1
Chloroform	ND		1.0	0.34	ug/L			12/17/14 04:55	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/14 04:55	1
cis-1,2-Dichloroethene	**15**		1.0	0.81	ug/L			12/17/14 04:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/14 04:55	1
Cyclohexane	ND		1.0	0.18	ug/L			12/17/14 04:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/14 04:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/17/14 04:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/14 04:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/17/14 04:55	1
Methyl acetate	ND		2.5	0.50	ug/L			12/17/14 04:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/17/14 04:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/17/14 04:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/14 04:55	1
Styrene	ND		1.0	0.73	ug/L			12/17/14 04:55	1
Tetrachloroethene	**6.5**		1.0	0.36	ug/L			12/17/14 04:55	1
Toluene	ND		1.0	0.51	ug/L			12/17/14 04:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/14 04:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/14 04:55	1
Trichloroethene	**23**		1.0	0.46	ug/L			12/17/14 04:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/17/14 04:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/17/14 04:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/14 04:55	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-33
Date Collected: 12/03/14 14:56
Date Received: 12/04/14 14:35

Lab Sample ID: 480-72421-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*12/17/14 04:55*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/17/14 04:55*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/17/14 04:55*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**2.7**	**J**	4.0	1.0	ug/L			12/05/14 09:24	1
Ethane	ND		7.5	1.5	ug/L			12/05/14 09:24	1
Ethene	ND		7.0	1.5	ug/L			12/05/14 09:24	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.14**		0.050		mg/L		12/05/14 13:35	12/09/14 13:05	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.050		mg/L		12/09/14 13:16	12/10/14 17:05	1
Manganese, Dissolved	**0.39**		0.0030		mg/L		12/09/14 13:16	12/10/14 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.57**		0.050		mg/L			12/04/14 18:22	1
Sulfate	**45.3**		10.0		mg/L			12/15/14 22:01	2
Total Organic Carbon	ND		1.0		mg/L			12/08/14 17:47	1
Alkalinity, Total	**347**		5.0		mg/L			12/05/14 06:06	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: TRIP BLANK
Date Collected: 12/03/14 00:00
Date Received: 12/04/14 14:35

Lab Sample ID: 480-72421-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/17/14 05:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/14 05:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/17/14 05:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/14 05:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/17/14 05:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/14 05:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/17/14 05:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/17/14 05:19	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/17/14 05:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/17/14 05:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/14 05:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/14 05:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/17/14 05:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/17/14 05:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/14 05:19	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/14 05:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/17/14 05:19	1
Acetone	ND		10	3.0	ug/L			12/17/14 05:19	1
Benzene	ND		1.0	0.41	ug/L			12/17/14 05:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/14 05:19	1
Bromoform	ND		1.0	0.26	ug/L			12/17/14 05:19	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/14 05:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/14 05:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/14 05:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/14 05:19	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/14 05:19	1
Chloroform	ND		1.0	0.34	ug/L			12/17/14 05:19	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/14 05:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/17/14 05:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/14 05:19	1
Cyclohexane	ND		1.0	0.18	ug/L			12/17/14 05:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/14 05:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/17/14 05:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/14 05:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/17/14 05:19	1
Methyl acetate	ND		2.5	0.50	ug/L			12/17/14 05:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/17/14 05:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/17/14 05:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/14 05:19	1
Styrene	ND		1.0	0.73	ug/L			12/17/14 05:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/14 05:19	1
Toluene	ND		1.0	0.51	ug/L			12/17/14 05:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/14 05:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/14 05:19	1
Trichloroethene	ND		1.0	0.46	ug/L			12/17/14 05:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/17/14 05:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/17/14 05:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/14 05:19	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: TRIP BLANK
Date Collected: 12/03/14 00:00
Date Received: 12/04/14 14:35

Lab Sample ID: 480-72421-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		12/17/14 05:19	1
4-Bromofluorobenzene (Surr)	102		73 - 120		12/17/14 05:19	1
Toluene-d8 (Surr)	102		71 - 126		12/17/14 05:19	1

Client Sample ID: DUP
Date Collected: 12/03/14 00:00
Date Received: 12/04/14 14:35

Lab Sample ID: 480-72421-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/17/14 05:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/14 05:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/17/14 05:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/14 05:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/17/14 05:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/14 05:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/17/14 05:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/17/14 05:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/17/14 05:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/17/14 05:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/14 05:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/14 05:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/17/14 05:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/17/14 05:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/14 05:42	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/14 05:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/17/14 05:42	1
Acetone	ND		10	3.0	ug/L			12/17/14 05:42	1
Benzene	ND		1.0	0.41	ug/L			12/17/14 05:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/14 05:42	1
Bromoform	ND		1.0	0.26	ug/L			12/17/14 05:42	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/14 05:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/14 05:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/14 05:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/14 05:42	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/14 05:42	1
Chloroform	ND		1.0	0.34	ug/L			12/17/14 05:42	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/14 05:42	1
cis-1,2-Dichloroethene	**41**		1.0	0.81	ug/L			12/17/14 05:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/14 05:42	1
Cyclohexane	ND		1.0	0.18	ug/L			12/17/14 05:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/14 05:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/17/14 05:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/14 05:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/17/14 05:42	1
Methyl acetate	ND		2.5	0.50	ug/L			12/17/14 05:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/17/14 05:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/17/14 05:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/14 05:42	1
Styrene	ND		1.0	0.73	ug/L			12/17/14 05:42	1
Tetrachloroethene	**0.37**	**J**	1.0	0.36	ug/L			12/17/14 05:42	1
Toluene	ND		1.0	0.51	ug/L			12/17/14 05:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/14 05:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/14 05:42	1
Trichloroethene	**80**		1.0	0.46	ug/L			12/17/14 05:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/17/14 05:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/17/14 05:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/14 05:42	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: DUP
Date Collected: 12/03/14 00:00
Date Received: 12/04/14 14:35

Lab Sample ID: 480-72421-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*12/17/14 05:42*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/17/14 05:42*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/17/14 05:42*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			12/05/14 09:51	1
Ethane	ND		7.5	1.5	ug/L			12/05/14 09:51	1
Ethene	ND		7.0	1.5	ug/L			12/05/14 09:51	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.72**		0.050		mg/L		12/05/14 13:35	12/09/14 13:08	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.050		mg/L		12/09/14 13:16	12/10/14 17:08	1
Manganese, Dissolved	**0.35**		0.0030		mg/L		12/09/14 13:16	12/10/14 17:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**19.4**		0.050		mg/L			12/04/14 18:23	1
Sulfate	**20.8**		10.0		mg/L			12/15/14 22:54	2
Total Organic Carbon	**5.3**		1.0		mg/L			12/08/14 18:14	1
Alkalinity, Total	**500**		5.0		mg/L			12/05/14 06:13	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-31
Date Collected: 12/04/14 10:30
Date Received: 12/05/14 12:00

Lab Sample ID: 480-72539-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/17/14 02:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/14 02:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/17/14 02:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/14 02:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/17/14 02:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/14 02:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/17/14 02:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/17/14 02:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/17/14 02:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/17/14 02:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/14 02:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/14 02:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/17/14 02:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/17/14 02:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/14 02:08	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/14 02:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/17/14 02:08	1
Acetone	ND		10	3.0	ug/L			12/17/14 02:08	1
Benzene	ND		1.0	0.41	ug/L			12/17/14 02:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/14 02:08	1
Bromoform	ND		1.0	0.26	ug/L			12/17/14 02:08	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/14 02:08	1
Carbon disulfide	ND	*	1.0	0.19	ug/L			12/17/14 02:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/14 02:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/14 02:08	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/14 02:08	1
Chloroform	ND		1.0	0.34	ug/L			12/17/14 02:08	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/14 02:08	1
cis-1,2-Dichloroethene	**7.1**		1.0	0.81	ug/L			12/17/14 02:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/14 02:08	1
Cyclohexane	ND		1.0	0.18	ug/L			12/17/14 02:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/14 02:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/17/14 02:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/14 02:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/17/14 02:08	1
Methyl acetate	ND		2.5	0.50	ug/L			12/17/14 02:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/17/14 02:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/17/14 02:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/14 02:08	1
Styrene	ND		1.0	0.73	ug/L			12/17/14 02:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/14 02:08	1
Toluene	ND		1.0	0.51	ug/L			12/17/14 02:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/14 02:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/14 02:08	1
Trichloroethene	**16**		1.0	0.46	ug/L			12/17/14 02:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/17/14 02:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/17/14 02:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/14 02:08	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-31
Date Collected: 12/04/14 10:30
Date Received: 12/05/14 12:00

Lab Sample ID: 480-72539-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*129*		*66 - 137*		*12/17/14 02:08*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*12/17/14 02:08*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*12/17/14 02:08*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			12/10/14 17:22	1
Ethane	ND		7.5	1.5	ug/L			12/10/14 17:22	1
Ethene	ND		7.0	1.5	ug/L			12/10/14 17:22	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.10**		0.050		mg/L		12/08/14 13:45	12/11/14 15:26	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.050		mg/L		12/11/14 14:36	12/13/14 00:07	1
Manganese, Dissolved	**0.13**	**^**	0.0030		mg/L		12/11/14 14:36	12/13/14 00:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.050		mg/L			12/05/14 20:02	1
Sulfate	**15.4**		5.0		mg/L			12/17/14 12:16	1
Total Organic Carbon	**3.0**		1.0		mg/L			12/10/14 11:19	1
Alkalinity, Total	**299**		5.0		mg/L			12/18/14 02:11	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: TRIP BLANK
Date Collected: 12/04/14 00:00
Date Received: 12/05/14 12:00

Lab Sample ID: 480-72539-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/17/14 01:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/14 01:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/17/14 01:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/14 01:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/17/14 01:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/14 01:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/17/14 01:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/17/14 01:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/17/14 01:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/17/14 01:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/14 01:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/14 01:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/17/14 01:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/17/14 01:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/14 01:44	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/14 01:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/17/14 01:44	1
Acetone	ND		10	3.0	ug/L			12/17/14 01:44	1
Benzene	ND		1.0	0.41	ug/L			12/17/14 01:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/14 01:44	1
Bromoform	ND		1.0	0.26	ug/L			12/17/14 01:44	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/14 01:44	1
Carbon disulfide	ND	*	1.0	0.19	ug/L			12/17/14 01:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/14 01:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/14 01:44	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/14 01:44	1
Chloroform	ND		1.0	0.34	ug/L			12/17/14 01:44	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/14 01:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/17/14 01:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/14 01:44	1
Cyclohexane	ND		1.0	0.18	ug/L			12/17/14 01:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/14 01:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/17/14 01:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/14 01:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/17/14 01:44	1
Methyl acetate	ND		2.5	0.50	ug/L			12/17/14 01:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/17/14 01:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/17/14 01:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/14 01:44	1
Styrene	ND		1.0	0.73	ug/L			12/17/14 01:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/14 01:44	1
Toluene	ND		1.0	0.51	ug/L			12/17/14 01:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/14 01:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/14 01:44	1
Trichloroethene	ND		1.0	0.46	ug/L			12/17/14 01:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/17/14 01:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/17/14 01:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/14 01:44	1

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: TRIP BLANK
Date Collected: 12/04/14 00:00
Date Received: 12/05/14 12:00

Lab Sample ID: 480-72539-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	125		66 - 137		12/17/14 01:44	1
4-Bromofluorobenzene (Surr)	90		73 - 120		12/17/14 01:44	1
Toluene-d8 (Surr)	94		71 - 126		12/17/14 01:44	1

Client Sample ID: MW-30

Lab Sample ID: 480-72285-1

Date Collected: 12/02/14 15:37

Matrix: Water

Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219130	12/15/14 19:08	EDB	TAL BUF
Total/NA	Analysis	8260C	DL	20	219332	12/16/14 15:32	EDB	TAL BUF
Total/NA	Analysis	RSK-175		1	217161	12/04/14 10:14	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			217645	12/06/14 07:51	LED	TAL BUF
Dissolved	Prep	3005A			218066	12/09/14 13:16	TAS	TAL BUF
Dissolved	Analysis	6010C		1	218530	12/10/14 16:37	AMH	TAL BUF
Total/NA	Prep	3005A			217311	12/05/14 08:53	LED	TAL BUF
Total/NA	Analysis	6010C		1	217781	12/05/14 23:01	LMH	TAL BUF
Total/NA	Analysis	353.2		1	217299	12/04/14 13:13	ELR	TAL BUF
Total/NA	Analysis	9060A		1	160058	12/08/14 13:09	TPH	TAL CAN
Total/NA	Analysis	SM 2320B		1	217366	12/04/14 11:13	VAJ	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-72285-2

Date Collected: 12/02/14 00:00

Matrix: Water

Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219130	12/15/14 18:46	EDB	TAL BUF

Client Sample ID: MW-30

Lab Sample ID: 480-72286-1

Date Collected: 12/02/14 10:14

Matrix: Water

Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219142	12/15/14 12:24	GTG	TAL BUF
Total/NA	Analysis	8260C	DL	25	219249	12/16/14 00:25	CXM	TAL BUF

Client Sample ID: MW-8

Lab Sample ID: 480-72286-2

Date Collected: 12/02/14 10:30

Matrix: Water

Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219142	12/15/14 12:48	GTG	TAL BUF
Total/NA	Analysis	8260C	DL	5	219249	12/16/14 00:49	CXM	TAL BUF

Client Sample ID: MW-6

Lab Sample ID: 480-72286-3

Date Collected: 12/02/14 10:44

Matrix: Water

Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219249	12/16/14 01:13	CXM	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-1
Lab Sample ID: 480-72286-4
Date Collected: 12/02/14 11:00
Matrix: Water
Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219142	12/15/14 13:36	GTG	TAL BUF

Client Sample ID: MW-11
Lab Sample ID: 480-72286-5
Date Collected: 12/02/14 11:10
Matrix: Water
Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219142	12/15/14 13:59	GTG	TAL BUF
Total/NA	Analysis	8260C	DL	5	219249	12/16/14 02:01	CXM	TAL BUF

Client Sample ID: MW-31
Lab Sample ID: 480-72286-6
Date Collected: 12/02/14 11:38
Matrix: Water
Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219249	12/16/14 02:25	CXM	TAL BUF

Client Sample ID: HRP-BR-3
Lab Sample ID: 480-72286-7
Date Collected: 12/02/14 11:48
Matrix: Water
Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219142	12/15/14 14:47	GTG	TAL BUF
Total/NA	Analysis	8260C	DL	25	219249	12/16/14 02:49	CXM	TAL BUF

Client Sample ID: MW-15
Lab Sample ID: 480-72286-8
Date Collected: 12/02/14 11:59
Matrix: Water
Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219142	12/15/14 15:10	GTG	TAL BUF
Total/NA	Analysis	8260C	DL	8	219249	12/16/14 03:13	CXM	TAL BUF

Client Sample ID: MW-33
Lab Sample ID: 480-72286-9
Date Collected: 12/02/14 12:16
Matrix: Water
Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219142	12/15/14 15:34	GTG	TAL BUF

Client Sample ID: RW-2

Lab Sample ID: 480-72286-10

Date Collected: 12/02/14 12:26

Matrix: Water

Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219142	12/15/14 15:57	GTG	TAL BUF
Total/NA	Analysis	8260C	DL	5	219249	12/16/14 04:01	CXM	TAL BUF

Client Sample ID: MW-32

Lab Sample ID: 480-72286-11

Date Collected: 12/02/14 12:42

Matrix: Water

Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219142	12/15/14 16:21	GTG	TAL BUF
Total/NA	Analysis	8260C	DL	100	219347	12/16/14 12:55	GTG	TAL BUF

Client Sample ID: PDB BLANK

Lab Sample ID: 480-72286-12

Date Collected: 12/02/14 16:29

Matrix: Water

Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219249	12/16/14 00:01	CXM	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-72286-13

Date Collected: 12/02/14 00:00

Matrix: Water

Date Received: 12/03/14 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219142	12/15/14 17:09	GTG	TAL BUF

Client Sample ID: MW-11

Lab Sample ID: 480-72421-1

Date Collected: 12/03/14 11:35

Matrix: Water

Date Received: 12/04/14 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219484	12/17/14 04:31	RAS	TAL BUF
Total/NA	Analysis	RSK-175		1	217410	12/05/14 09:07	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			217645	12/06/14 07:51	LED	TAL BUF
Dissolved	Prep	3005A			218066	12/09/14 13:16	TAS	TAL BUF
Dissolved	Analysis	6010C		1	218530	12/10/14 16:54	AMH	TAL BUF
Total/NA	Prep	3005A			217486	12/05/14 13:35	TAS	TAL BUF
Total/NA	Analysis	6010C		1	218296	12/09/14 12:43	LMH	TAL BUF
Total/NA	Analysis	353.2		1	217376	12/04/14 18:21	RS	TAL BUF
Total/NA	Analysis	9056A		10	219976	12/18/14 22:14	NDB	TAL BUF
Total/NA	Analysis	9060A		1	160058	12/08/14 17:06	TPH	TAL CAN
Total/NA	Analysis	SM 2320B		1	217384	12/05/14 05:58	VAJ	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-33

Lab Sample ID: 480-72421-2

Date Collected: 12/03/14 14:56
Matrix: Water
Date Received: 12/04/14 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219484	12/17/14 04:55	RAS	TAL BUF
Total/NA	Analysis	RSK-175		1	217410	12/05/14 09:24	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			217645	12/06/14 07:51	LED	TAL BUF
Dissolved	Prep	3005A			218066	12/09/14 13:16	TAS	TAL BUF
Dissolved	Analysis	6010C		1	218530	12/10/14 17:05	AMH	TAL BUF
Total/NA	Prep	3005A			217486	12/05/14 13:35	TAS	TAL BUF
Total/NA	Analysis	6010C		1	218296	12/09/14 13:05	LMH	TAL BUF
Total/NA	Analysis	353.2		1	217376	12/04/14 18:22	RS	TAL BUF
Total/NA	Analysis	9038		2	219273	12/15/14 22:01	MRF	TAL BUF
Total/NA	Analysis	9060A		1	160058	12/08/14 17:47	TPH	TAL CAN
Total/NA	Analysis	SM 2320B		1	217384	12/05/14 06:06	VAJ	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-72421-3

Date Collected: 12/03/14 00:00
Matrix: Water
Date Received: 12/04/14 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219484	12/17/14 05:19	RAS	TAL BUF

Client Sample ID: DUP

Lab Sample ID: 480-72421-4

Date Collected: 12/03/14 00:00
Matrix: Water
Date Received: 12/04/14 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219484	12/17/14 05:42	RAS	TAL BUF
Total/NA	Analysis	RSK-175		1	217410	12/05/14 09:51	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			217645	12/06/14 07:51	LED	TAL BUF
Dissolved	Prep	3005A			218066	12/09/14 13:16	TAS	TAL BUF
Dissolved	Analysis	6010C		1	218530	12/10/14 17:08	AMH	TAL BUF
Total/NA	Prep	3005A			217486	12/05/14 13:35	TAS	TAL BUF
Total/NA	Analysis	6010C		1	218296	12/09/14 13:08	LMH	TAL BUF
Total/NA	Analysis	353.2		1	217376	12/04/14 18:23	RS	TAL BUF
Total/NA	Analysis	9038		2	219273	12/15/14 22:54	MRF	TAL BUF
Total/NA	Analysis	9060A		1	160058	12/08/14 18:14	TPH	TAL CAN
Total/NA	Analysis	SM 2320B		1	217384	12/05/14 06:13	VAJ	TAL BUF

Client Sample ID: MW-31

Lab Sample ID: 480-72539-1

Date Collected: 12/04/14 10:30
Matrix: Water
Date Received: 12/05/14 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219491	12/17/14 02:08	CXM	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Client Sample ID: MW-31

Lab Sample ID: 480-72539-1

Date Collected: 12/04/14 10:30

Matrix: Water

Date Received: 12/05/14 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	218356	12/10/14 17:22	KS	TAL BUF
Dissolved	Filtration	FILTRATION			217645	12/06/14 07:51	LED	TAL BUF
Dissolved	Prep	3005A			218602	12/11/14 14:36	LED	TAL BUF
Dissolved	Analysis	6010C		1	219109	12/13/14 00:07	TRB	TAL BUF
Total/NA	Prep	3005A			217849	12/08/14 13:45	TAS	TAL BUF
Total/NA	Analysis	6010C		1	218775	12/11/14 15:26	AMH	TAL BUF
Total/NA	Analysis	353.2		1	217625	12/05/14 20:02	CLT	TAL BUF
Total/NA	Analysis	9038		1	219658	12/17/14 12:16	NCH	TAL BUF
Total/NA	Analysis	9060A		1	160356	12/10/14 11:19	TPH	TAL CAN
Total/NA	Analysis	SM 2320B		1	219863	12/18/14 02:11	KMF	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-72539-2

Date Collected: 12/04/14 00:00

Matrix: Water

Date Received: 12/05/14 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	219491	12/17/14 01:44	CXM	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Certification Summary

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
353.2		Water	Nitrate as N

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
9038		Water	Sulfate

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15 *
Connecticut	State Program	1	PH-0590	12-31-15
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15 *
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-15
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15 *
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15 *
West Virginia DEP	State Program	3	210	12-31-14 *
Wisconsin	State Program	5	999518190	08-31-15

* Certification renewal pending - certification considered valid.

Method Summary

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
RSK-175	Dissolved Gases (GC)	RSK	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
353.2	Nitrate	EPA	TAL BUF
9038	Sulfate, Turbidimetric	SW846	TAL BUF
9056A	Anions, Ion Chromatography	SW846	TAL BUF
9060A	Organic Carbon, Total (TOC)	SW846	TAL CAN
SM 2320B	Alkalinity	SM	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Sample Summary

Client: New York State D.E.C.
Project/Site: NYSDEC - Barthelmes Mfg: Site# 828122

TestAmerica Job ID: 480-72285-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-72285-1	MW-30	Water	12/02/14 15:37	12/03/14 10:55
480-72285-2	TRIP BLANK	Water	12/02/14 00:00	12/03/14 10:55
480-72286-1	MW-30	Water	12/02/14 10:14	12/03/14 10:55
480-72286-2	MW-8	Water	12/02/14 10:30	12/03/14 10:55
480-72286-3	MW-6	Water	12/02/14 10:44	12/03/14 10:55
480-72286-4	MW-1	Water	12/02/14 11:00	12/03/14 10:55
480-72286-5	MW-11	Water	12/02/14 11:10	12/03/14 10:55
480-72286-6	MW-31	Water	12/02/14 11:38	12/03/14 10:55
480-72286-7	HRP-BR-3	Water	12/02/14 11:48	12/03/14 10:55
480-72286-8	MW-15	Water	12/02/14 11:59	12/03/14 10:55
480-72286-9	MW-33	Water	12/02/14 12:16	12/03/14 10:55
480-72286-10	RW-2	Water	12/02/14 12:26	12/03/14 10:55
480-72286-11	MW-32	Water	12/02/14 12:42	12/03/14 10:55
480-72286-12	PDB BLANK	Water	12/02/14 16:29	12/03/14 10:55
480-72286-13	TRIP BLANK	Water	12/02/14 00:00	12/03/14 10:55
480-72421-1	MW-11	Water	12/03/14 11:35	12/04/14 14:35
480-72421-2	MW-33	Water	12/03/14 14:56	12/04/14 14:35
480-72421-3	TRIP BLANK	Water	12/03/14 00:00	12/04/14 14:35
480-72421-4	DUP	Water	12/03/14 00:00	12/04/14 14:35
480-72539-1	MW-31	Water	12/04/14 10:30	12/05/14 12:00
480-72539-2	TRIP BLANK	Water	12/04/14 00:00	12/05/14 12:00

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Recor

480-72285 Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: JKC	Lab PM: Fischer, Briar	COC No: 480-56701-14946.1
Client Contact: Eric Popken	Phone: (800)287-7857	E-Mail: brian.fischer@testamericainc.com	Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc			Job #:
Address: 495 Aero Drive Suite 3	Due Date Requested:		
City: Cheektowaga	TAT Requested (days): 10-Da		
State, Zip: NY, 14225			
Phone:	PO #: Callout# 122727		
Email: epopken@gesonline.com	WO #:		
Project Name: NYSDEC - Barthelmes Mfg: Site# 828122	Project #: 48005120		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Iron	RSK_176 - Methane, Ethane, Ethene	9060A - Local Method	6010C - (MOD) D. Iron/manganese only ICP	353.2, 353.2_Nitrite, 9038, Nitrate_Calc	2320B - Local Method	TCL VOCs 8260						Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	A	N	N	N	A							
MW-30	12-2-14	1537	G	Water	N	Y	3	9	6	3	6	3	9							
Trip Blank	1		G	Water	N	N							2							
				Water																
				Water																
				Water																
				Water																
				Water																
				Water																
				Water																

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: (GES)	Date/Time: 12-2-14 1835	Company: GES	Received by: To Sample Frdg	Date/Time:	Company
Relinquished by:	Date/Time: 12/3 1055	Company: GES	Received by:	Date/Time: 12/3/14 1055	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.8 #1

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYS DEC	Josh Haugh	12/2/14	263872
Address 625 Broadway, 12th Floor	**Telephone Number (Area Code)/Fax Number** (518) 402-9819	**Lab Number**	**Page** 1 of 2
City Albany / **State** NY / **Zip Code** 12233	**Site Contact** Eric Popken GES	**Lab Contact** BJF	
Project Name and Location (State) Barthelmes Manufacturing Site	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No. Site No. 828122			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCL VOCs 8260B	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
MW-30	12/2/14	10:14		X						3			X		
MW-8		10:30		X						3			X		
MW-6		10:44		X						3			X		
MW-1		11:00		X						3			X		
MW-11		11:10		X						3			X		
MW-31		11:38		X						3			X		
HRD-BR-3		11:48		X						3			X		
MW-15		11:59		X						2			X		
MW-33		12:16		X						3			X		
RW-2		12:26		X						3			X		
MW-32		12:42		X						3			X		
PDB Blank		4:29 pm		X						2			X		

480-72286 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By (GES)	12-2-14	1835	1. Received By To Sample Fridge		
2. Relinquished By	12/3	1055	2. Received By	12/3/14	1055
3. Relinquished By			3. Received By		

Comments

2 4-3

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

1/6/2015

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: NYSDEC	Project Manager: Josh Haugh	Date: 12-2-14	Chain of Custody Number: 214150
Address: 625 Broadway, 12th Floor	Telephone Number (Area Code)/Fax Number: (518) 402-9819	Lab Number:	Page 2 of 2
City: Albany / State: NY / Zip Code: 12233	Site Contact: E. Poplaw (GES)	Lab Contact: BJF	
Project Name and Location (State): Barthelmes Manufacturing	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: Site # 828122			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): TCL VOA 8260	Special Instructions/ Conditions of Receipt
Trip Blank	12-2-14			X						X			2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: (GES)	12-2-14	1835	1. Received By: To Sample Fridge		
2. Relinquished By:	12/3	1055	2. Received By:	12/3/14	1055
3. Relinquished By:			3. Received By:		

Comments

#2 Hv3

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Jennifer Clay	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-56701-14946.1
Client Contact: Eric Popken	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc				Job #:
Address: 495 Aero Drive Suite 3	Due Date Requested:			
City: Cheektowaga	TAT Requested (days): 10-day			
State, Zip: NY, 14225				
Phone: (800) 287-7857	PO #: Callout# 122727			
Email: epopken@gesonline.com	WO #:			
Project Name: NYSDEC - Barthelmes Mfg: Site# 828122	Project #: 48005120			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Iron	RSK_175 - Methane, Ethane, Ethene	9060A - Local Method	6010C - (MOD) D. Iron/manganese only ICP	353.2, 353.2_Nitrite, 9038, Nitrate_Calc	2320B - Local Method	8260B TCL VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	A	N	N	N			
MW-11	12/3/14	11:35	G	Water			1	3	2	1	2	1	3		
MW-33	↓	14:56	G	Water			1	3	2	1	2	1	3		
Trip Blank	↓	—	G	Water									2		
				Water											
				Water											
				Water											
				Water											
				Water											

480-72421 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Level B deliverable

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature] Clay	12-3-14 / 1845	GES	To Sample Fridge		
2	[signature]	12/5/14 1400	GES	[signature]	12/4/14 @ 1410	TAB
3	[signature]	12/4/14 @ 1435		[signature]	12/4/14 1435	TA Buff

Custody Seals Intact: | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: #2 2.7

1/6/2015

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

480-72539 Chain of Custody

TestAmerica
LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Kevin Lee	Lab PM: Fischer, Brian J	No: 56701-14946.1
Client Contact: Eric Popken	Phone: 315 877 1368	E-Mail: brian.fischer@testamericainc.com	Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc			Job #:
Address: 495 Aero Drive Suite 3	Due Date Requested:		
City: Cheektowaga	TAT Requested (days): 10-Day		
State, Zip: NY, 14225			
Phone: (800)287-7857	PO #: Callout# 122727		
Email: epopken@gesonline.com	WO #:		
Project Name: NYSDEC - Barthelmes Mfg: Site# 828122	Project #: 48005120		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Iron	RSK_175 - Methane, Ethane, Ethene	9060A - Local Method	6010C - (MOD) D. Iron/manganese only ICP	353.2, 363.2_Nitrite, 9038, Nitrate_Calc	2320B - Local Method	TCL 8260							Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	A	N	N	N									
MW-31	12/4/14	10:30	G	Water			1	3	2	1	2	1	3								
Trip Blank	1		G	Water									2								
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Cat. B Deliverable

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		12/4/14 1130	GES		12-4-14 1130	GES
2		12-5-14 1100	GES		12/5/14 1100	GES
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: #2 2.4

1/6/2015

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

2.6

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21978.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 480-72285-1
Address: 4101 Shuffel Street NW, ,	Due Date Requested: 12/15/2014			
City: North Canton	TAT Requested (days):			
State, Zip: OH, 44720				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: NYSDEC - Barthelmes Mfg: Site# 828122	Project #: 48005120			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

C 204

Special Instructions/Note:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A / (MOD) Local Method	Total Number of containers
			Preservation Code:					
MW-30 (480-72285-1)	12/2/14	15:37 Eastern		Water			X	2
MW-30 (480-72285-1MS)	12/2/14	15:37 Eastern	MS	Water			X	2
MW-30 (480-72285-1MSD)	12/2/14	15:37 Eastern	MSD	Water			X	2

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Cameron Wallace	12-5-14 1700	TAB	Dakota Clum	12-6-14 10:40	TA-Canton
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

1/6/2015

TestAmerica Canton Sample Receipt Form/Narrative Login # :_____
Canton Facility

Client TA-Buffalo Site Name_____ Cooler unpacked by: Dakota Dunn

Cooler Received on 12-6-14 Opened on 12-6-14

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time_____ Storage Location_____

TestAmerica Cooler # _____ Foam Box (Client Cooler) Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A	(CF +4.0 °C)	Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 4	(CF +1.2 °C)	Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	☐ See Multiple Cooler Form
IR GUN# 5	(CF +0.4 °C)	Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 8	(CF +0.7 °C)	Observed Cooler Temp. 2.6 °C	Corrected Cooler Temp. 3.3 °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 (Yes) No
   -Were custody seals on the outside of the cooler(s) signed & dated? (Yes) No NA
   -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? (Yes) No
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# HC425511
11. Were VOAs on the COC? (Yes) No
12. Were air bubbles >6 mm in any VOA vials? Yes (No) NA
13. Was a trip blank present in the cooler(s)? Yes (No)

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

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

15. SAMPLE CONDITION

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

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s):_____

Ref: SOP NC-SC-0005, Sample Receiving
L:\QAQC\QA Department\QA TARDIS\Document Control\Work Instructions\WI_QA use only\WI-NC-099M-110614 Cooler Receipt Form.doc djl

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

2.6

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21979.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 480-72285-1

Address: 4101 Shuffel Street NW, ,	Due Date Requested: 12/15/2014
City: North Canton	TAT Requested (days):
State, Zip: OH, 44720	
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:
Email:	WO #:
Project Name: NYSDEC - Barthelmes Mfg: Site# 828122	Project #: 48005120
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

C204

Special Instructions/Note:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ (MOD) Local Method	Total Number of containers
			Preservation Code:					
MW-11 (480-72421-1)	12/3/14	11:35 Eastern		Water			X	2
MW-33 (480-72421-2)	12/3/14	14:56 Eastern		Water			X	2
DUP (480-72421-4)	12/3/14	Eastern		Water			X	2

Possible Hazard Identification

Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Cameron Walker	Date/Time: 12-5-14 1900	Company TAB	Received by: Dakota Chester	Date/Time: 12-6-14 10:40	Company TA-Canton
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

1/6/2015

TestAmerica Canton Sample Receipt Form/Narrative Login # :_____
Canton Facility

Client TA-Buffalo Site Name_____ Cooler unpacked by: Dakota Turner

Cooler Received on 12-6-14 Opened on 12-6-14

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time_____ Storage Location_____

TestAmerica Cooler # _____ Foam Box (Client Cooler) Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +4.0 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

IR GUN# 4 (CF +1.2 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C ☐ See Multiple Cooler Form

IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

IR GUN# 8 (CF +0.7 °C) Observed Cooler Temp. 2.6 °C Corrected Cooler Temp. 3.3 °C

2.	Were custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No
	-Were custody seals on the outside of the cooler(s) signed & dated?	(Yes) No NA
	-Were custody seals on the bottle(s)?	Yes (No)
3.	Shippers' packing slip attached to the cooler(s)?	(Yes) No
4.	Did custody papers accompany the sample(s)?	(Yes) No
5.	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6.	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
7.	Could all bottle labels be reconciled with the COC?	(Yes) No
8.	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
9.	Sufficient quantity received to perform indicated analyses?	(Yes) No
10.	Were sample(s) at the correct pH upon receipt?	Yes No (NA) pH Strip Lot# HC425511
11.	Were VOAs on the COC?	(Yes) No
12.	Were air bubbles >6 mm in any VOA vials?	Yes (No) NA
13.	Was a trip blank present in the cooler(s)?	Yes (No)

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

Concerning

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s):_____

Ref: SOP NC-SC-0005, Sample Receiving
L:\QAQC\QA Department\QA TARDIS\Document Control\Work Instructions\WI_QA use only\WI-NC-099M-110614 Cooler Receipt Form.doc djl

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

2.6

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-22011.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-72285-1

Address: 4101 Shuffel Street NW, ,	Due Date Requested: 12/16/2014
City: North Canton	TAT Requested (days):
State, Zip: OH, 44720	
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:
Email:	WO #:
Project Name: NYSDEC - Barthelmes Mfg: Site# 828122	Project #: 48005120
Site:	SSOW#:

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

C230

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-31 (480-72539-1)	12/4/14	10:30 Eastern		Water			X	2	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				12.9.14 1030	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

1/6/2015

TestAmerica Canton Sample Receipt Form/Narrative Login # : _____
Canton Facility

Client Buffalo Site Name _____ Cooler unpacked by:

Cooler Received on 12-9-14 Opened on 12-9-14

~~FedEx~~ ~~1st~~ ~~Grd~~ ~~Exp~~ UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +4.0 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

IR GUN# 4 (CF +1.2 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C ☐ See Multiple Cooler Form

IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

IR GUN# 8 (CF +0.7 °C) Observed Cooler Temp. 2.6 °C Corrected Cooler Temp. 3.3 °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were custody seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were custody seals on the bottle(s)?	Yes	No
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Did all bottles arrive in good condition (Unbroken)?	Yes	No
7. Could all bottle labels be reconciled with the COC?	Yes	No
8. Were correct bottle(s) used for the test(s) indicated?	Yes	No
9. Sufficient quantity received to perform indicated analyses?	Yes	No
10. Were sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC425511
11. Were VOAs on the COC?	Yes	No
12. Were air bubbles >6 mm in any VOA vials?	Yes	No NA
13. Was a trip blank present in the cooler(s)?	Yes	No

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

Concerning

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

Ref: SOP NC-SC-0005, Sample Receiving
L:\QAQC\QA Department\QA TARDIS\Document Control\Work Instructions\WI_QA use only\WI-NC-099M-110614 Cooler Receipt Form.doc djl

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-72285-1

Login Number: 72285

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

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.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
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.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-72285-1

Login Number: 72286

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robison, Zachary J

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.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
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.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-72285-1

Login Number: 72421

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robison, Zachary J

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.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
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.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-72285-1

Login Number: 72539

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wallace, Cameron

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.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
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.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

NYSDEC-Barthelmes MFG: Site #828122
TestAmerica Laboratories, Inc. SDG#480-67484-1
June 14, 2015
Sampling date: 9/11, 12, 15/2014

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Groundwater and Environmental Services, project located at NYSDEC-Barthelmes MFG: Site #828122, TestAmerica Laboratories, Inc. SDG#480-67484-1 submitted to Vali-Data of WNY, LLC on May 15, 2015. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use but are qualified below in Method Blank.

Sample MW-30(1-4') was diluted due to high target analyte concentration.
Samples: DUP-1, MW-30(1-4'), MW-32(16-18'), MW-33(4-8'), MW-33(4-8')MS/MSD and MW-31(6-8') could be considered biased low because they were not collected according to 5035-L/5035A-L low level specifications.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except no MDL study was included, but MDL's were included on the Form 1's.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All criteria were met except Chloromethane and Vinyl Chloride were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-203894/2-A. These target analytes should be qualified as 'undetected' at the reporting limit if they were detected above the MDL, but below the reporting limit. If these target analytes were detected above the reporting limit, they should be qualified as estimated.

Dichlorodifluoromethane and Bromomethane were detected above the reporting limit in MB 480-203894/2-A. These target analytes were not detected in the samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met except cis-1,2-Dichloroethene was detected above the MDL, below the reporting limit in MW-32(16-18') but not in DUP1. Toluene was detected above the MDL, below the reporting limit in DUP1 but not in MW-32(16-18').

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

All criteria were met except the %Rec of Ethylbenzene was outside QC limits, low in MW-33(4-8')MSD. No further action is required because Ethylbenzene was compliant in MW-33(4-8')MS.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.
Alternate forms of regression were performed on all target analytes in the initial calibrations whose %RSD >20.0%, yielding acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Carbon Tetrachloride in CCVIS 480-203192/4 was outside ASP QC limits. ASP allows up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

GENERAL CHEMISTY

The following items/criteria were reviewed for this analytical suite:

- Percent Moisture

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

PERCENT MOISTURE
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

NYSDEC-Barthelmes MFG: Site #828122
TestAmerica Laboratories, Inc. SDG#480-72285-1
June 15, 2015
Sampling date: 12/2-4/2014

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Groundwater and Environmental Services, project located at NYSDEC-Barthelmes MFG: Site #828122, TestAmerica Laboratories, Inc. #480-72285-1 submitted to Vali-Data of WNY, LLC on May 15, 2015. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Dissolved gases (RSK-175), Inorganics (6010C) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, MS/MSD and Continuing Calibration.

Samples: MW-30MS/MSD, HRP-BR-3, MW-11, MW-15, MW-30, MW-32, MW-8 and RW-2 were diluted due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except no MDL study was included, but MDL's were included on the Form 1's.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 1,2-Dichloroethane-d_4 was outside ASP QC limits, high in MW-30, MW-30DL, MW-8, MW-8DL, MW-6, MW-1, MW-11, MW-11DL, MW-31, HRP-BR-3, HRP-BR-3DL, MW-15, MW-15DL, MW-33, RW-2, RW-2DL, MW-32, MW-32DL, PDB BLANK, TRIP BLANK, MW-31, TRIP BLANK, MB-480-219142/7, MB 480-219249/6, MB 480-219347/7, MB 480-219491/7, LCS 480-219142/5, LCS 480-219249/4, LCS 480-219347/5, LCS 480-219491/5 and MW-30MS/MSD. Associated, detected target analytes in these samples should be qualified as estimated.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of Trichloroethene was outside QC limits, low in MW-30MS/MSD (480-72286-1MS/MSD) and should be qualified as estimated in MW-30 (480-72286-1). The %Rec of cis-1,2-Dichloroethene was outside QC limits, low in MW-30MSD (480-72286-1MSD), but within limits in MW-30MS (480-72286-1MS), so no further action is required.

COMPOUND QUANTITATION
All criteria were met except PDB BLANK contained Acetone above the reporting limit.

INITIAL CALIBRATION
All criteria were met except the RRF of Trichloroethene was outside QC limits in the initial calibration performed on instrument HP5973N on 11/26/14. ASP allows for up to two target

analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes in the initial calibrations whose %RSD >20.0%, yielding acceptable results.
In the initial calibration performed on instrument HP5973N on 11/26/14, the lowest standard level for Styrene was incorrectly recorded. It should not have been recorded since it was not used in the calculation of the RRF or %RSD. The recorded RRF and %RSD does not include this point.

CONTINUING CALIBRATION
All criteria were met except the %D of Dichlorodifluoromethane in CCVIS 480-219249/2 was outside ASP outer QC limits. The %Rec of Trichlorofluoromethane and Carbon Disulfide in CCVIS 480-219491/3 was outside ASP outer QC limits. The %Rec of Bromomethane in CCVIS 480-219484/2 was outside ASP outer QC limits. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.
The %Rec of Bromomethane was outside QC limits in CCVIS 480-219249/2. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

DISSOLVED GASSES

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Field Duplicate Sample Precision
- -Laboratory Control Samples
- -MS/MSD
- -Compound Quantitation
- -Initial Calibration
- -Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate underwent this analysis.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample

-MS/MSD
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Mn and Fe were detected in CCB 480-219109/70, 79, 84 above the reporting limit. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported as 'undetected' at the reporting limit. Associated samples in which these target analytes were detected above the reporting limit and below the blank concentration should be reported as 'undetected' at the blank concentration. Associated samples in which these target analytes were detected above the blank concentration should be qualified as estimated.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

FIELD DUPLICATE
No field duplicate underwent this analysis.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Fe was outside QC limits, high in CCVL 480-219612/38. The %Rec of Mn diss was outside QC limits, high in ICVL 480-219109/7. Associated samples, blanks and spikes in which these target analytes were detected above the MDL should be qualified as estimated high.

The %Rec of Fe was outside QC limits, low in CCVL 480-217781/28, 40, 63. This target analyte should be qualified as estimated in associated samples, blanks and spikes.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Alkalinity
- Nitrogen-Nitrate
- Sulfate
- TOC

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

ALKALINITY
All criteria were met except the %Rec of alkalinity was outside QC limits, low in MW-30MS/MSD (480-72285-1MS/MSD) and should be qualified as estimated in MW-30 (480-72285-1).

NITROGEN-NITRATE
All criteria were met.

SULFATE
All criteria were met.

TOC
All criteria were met except the target analytes were reported as detected if their concentration was at or above the reporting limit.

APPENDIX C

LOW FLOW SAMPLING LOGS

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	Cairn St	**Tubing Diameter (ID):**	1/4"
Project #:	0901589	**Initial Depth to Water (ft, TOC)**	6.65'
Date:	12/3/2014	**Depth to Bottom of Well (ft, TOC)**	17.70'
Sampling Device:	Micro Purge Model MP50	**Feet of Water in Well (ft)**	11.05'
Well ID:	MW-11	**Volume of Water in Well (gal)**	1.80

Horiba U52 Multiparameter Water Quality Meter

La Motte 2020we

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
10:03	6.65	--	--	--	--	--	--
10:20	6.80	14.87	7.49	0.636	105	8.95	49.2
10:30	6.80	14.93	7.54	0.640	112	9.18	26.6
10:40	6.80	14.99	7.62	0.646	114	9.38	22.6
10:50	6.80	14.99	7.63	0.645	115	9.06	13.4
11:00	6.80	15.00	7.65	0.645	117	8.97	11.4
11:05	6.80	15.01	7.67	0.643	115	9.00	10.17
11:10	6.80	15.03	7.70	0.643	115	8.89	9.54
11:15	6.80	15.03	7.70	0.642	117	8.82	7.84
11:20	6.80	15.05	7.70	0.642	115	9.03	7.45
11:25	6.80	15.05	7.72	0.642	117	9.00	6.92
11:30	6.80	15.04	7.71	0.642	115	9.00	6.53

Purge Start Time:	10:03	Notes:	Duplicate Collected Sample name:
Purge End Time:	11:30		"DUP"
Weather Conditions:	Cloudy, some rain, cold		Sample time 11:35
Purge/Sampled by:	J. Clay & K. Leo		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	Cairn St	**Tubing Diameter (ID):**	1/4"
Project #:	0901589	**Initial Depth to Water (ft, TOC)**	7.38'
Date:	12/2/2014	**Depth to Bottom of Well (ft, TOC)**	17.93'
Sampling Device:	Micro Purge Model MP50	**Feet of Water in Well (ft)**	10.55'
Well ID:	MW-30	**Volume of Water in Well (gal)**	1.72

Horiba U52 Multiparameter Water Quality Meter

La Motte 2020we

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
14:10	7.38	14.40	7.22	0.55	193	1.33	1676 (AU*)
14:25	7.37	14.85	7.17	0.544	177	0.75	77.7
14:40	1.38	15.01	7.19	0.509	151	0.39	19.3
14:55	7.39	15.04	7.20	0.491	139	0.47	17.6
15:05	7.38	15.03	7.20	0.315	133	0.26	9.64
15:15	7.37	15.04	7.21	0.487	127	0.15	6.80
15:20	7.37	15.04	7.21	0.486	125	0.15	5.87
15:25	7.37	15.04	7.21	0.484	123	0.10	5.61
15:30	7.38	15.04	7.21	0.483	121	0.06	4.95

Purge Start Time:	14:10	Notes:	~ 5 gal purged
Purge End Time:	15:30		
Weather Conditions:	cloudy, light wind, cold		Sample time 15:37
Purge/Sampled by:	J. Clay & T. Palmer		*AU = Attenuation Unit

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	Cairn St	**Tubing Diameter (ID):**	1/4"
Project #:	0901589	**Initial Depth to Water (ft, TOC)**	8.81'
Date:	12/4/2014	**Depth to Bottom of Well (ft, TOC)**	20.44'
Sampling Device:	Micro Purge Model MP50	**Feet of Water in Well (ft)**	11.63'
Well ID:	MW-31	**Volume of Water in Well (gal)**	1.90

Horiba U52 Multiparameter Water Quality Meter — La Motte 2020we

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
9:45	8.95	13.19	7.12	0.43	75	1.95	60.3
9:55	8.95	13.25	7.07	0.429	65	1.50	19.5
10:00	8.95	13.28	7.09	0.426	59	1.27	12.5
10:05	8.95	13.33	7.11	0.426	54	1.06	9.7
10:10	8.95	13.32	7.08	0.425	53	0.91	5.83
10:15	8.95	13.33	7.06	0.423	50	0.74	4.06
10:20	8.95	13.36	7.06	0.423	46	0.61	3.22
10:25	8.95	13.37	7.08	0.423	46	0.51	2.37

Purge Start Time:	9:30	Notes:	~ 5 gal purged
Purge End Time:	10:33		
Weather Conditions:	sunny, 30° F		Sample time 10:30
Purge/Sampled by:	K. Leo		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	Cairn St	**Tubing Diameter (ID):**	1/4"
Project #:	0901589	**Initial Depth to Water (ft, TOC)**	12.58'
Date:	12/3/2014	**Depth to Bottom of Well (ft, TOC)**	21.90'
Sampling Device:	Micro Purge Model MP50	**Feet of Water in Well (ft)**	9.32'
Well ID:	MW-33	**Volume of Water in Well (gal)**	1.52

Horiba U52 Multiparameter Water Quality Meter — La Motte 2020we

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
13:40	12.70	--	--	--	--	--	--
13:50	12.72	13.33	7.33	0.387	92	4.10	1365.0
14:05	12.72	13.52	7.35	0.381	85	2.08	55.3
14:20	12.72	13.50	7.33	0.388	58	1.39	16.2
14:30	12.72	13.43	7.32	0.390	47	1.48	9.90
14:40	12.72	13.37	7.32	0.391	39	1.53	7.62
14:45	12.72	13.45	7.31	0.391	39	1.49	6.20
14:50	12.72	13.43	7.32	0.393	37	1.53	7.39

Purge Start Time:	13:40	Notes:	~ 2.5 gal purged
Purge End Time:	14:54		~5 gal purged before installing
Weather Conditions:	cloudy, light rain		biotrap
Purge/Sampled by:	J. Clay & K. Leo		Sample time 14:56

APPENDIX D

MICROBIAL CENSUS REPORT

10515 Research Drive
Knoxville, TN 37932
Phone: (865) 573-8188
Fax: (865) 573-8133

Client: Eric Popken
GES
495 Aero Drive
Suite 3
Cheektowaga, NY 14225

Phone:

Fax:

Identifier: 082MA **Date Rec:** 01/30/2015 **Report Date:** 02/03/2015

Client Project #: 0901589 **Client Project Name:** Cairn Street

Purchase Order #: 6012

Analysis Requested: Advanced Bio-trap, CENSUS

Reviewed By:

NOTICE: This report is intended only for the addressee shown above and may contain confidential or privileged information. If the recipient of this material is not the intended recipient or if you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed and are rendered upon condition that it is not to be reproduced without approval from Microbial Insights, Inc. Thank you for your cooperation.

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **GES**
Project: Cairn Street

MI Project Number: **082MA**
Date Received: 01/30/2015

Sample Information

Client Sample ID:		**MW-33 MNA**	**MW-33 HRC**	**MW-11 HRC**
Sample Date:		01/29/2015	01/29/2015	01/29/2015
Units:		cells/bead	cells/bead	cells/bead
Analyst:		RW	RW	RW
Dechlorinating Bacteria				
Dehalococcoides	*DHC*	<2.50E+01	<2.50E+01	<2.50E+01
tceA Reductase	TCE	<2.50E+01	<2.50E+01	<2.50E+01
BAV1 Vinyl Chloride Reductase	BVC	<2.50E+01	<2.50E+01	<2.50E+01
Vinyl Chloride Reductase	VCR	<2.50E+01	<2.50E+01	<2.50E+01

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

REPORT TO:
Reports will be provided to the contact(s) listed below. Parties other than the contact(s) listed below will require prior approval.

Name: Eric Popken
Company: Groundwater and Environmental Services
Address: 495 Aero Drive
Suite 3
Cheektowaga NY 14225
email: epopken@GESonline.com
Phone: (800) 287-7857 ext. 4345
Fax: (866) 902-2187

Project Manager: Eric Popken
Project Name: Cairn Street
Project No.: 0901589

INVOICE TO:
For Invoices **paid by a third party** it is imperative that contact information & corresponding reference No. be provided.

Name:
Company:
Address:
email:
Phone: ( )
Fax: ( )

Purchase Order No. 6012
Subcontract No.

microbialinsights
10515 Research Drive
Knoxville, TN 37932
phone (865) 573-8188
fax: (865) 573-8133
email: info@microbe.com
www.microbe.com

Please Check One:
☐ More samples to follow
☒ No Additional Samples

Saturday Delivery
Please see sampling protocol for instructions

Report Type: ☒ Standard (default) ☐ Comprehensive (15% surcharge) ☐ Historical (35% surcharge)

Please contact us prior to submitting samples regarding questions about the analyses you are requesting at (865) 573-8188 (8:00 am to 4:00 pm M-F). After these hours please call (865) 300-8053.

Sample Information					MICRO									COC									GEO									
MI ID (Laboratory Use Only)	Monitoring Well	Unit Type	Date Deployed	Date Retrieved	DHC (Dehalococcoides)	DHC Functional Genes (bvc, tce, vcr)																										
082MA1	MW-33	MNA	12-3-14	1-29-15	X	X																										
2	MW-33	HRC	12-3-14	1-29-15	X	X																										
3	MW-11	HRC	12-3-14	1-29-15	X	X																										

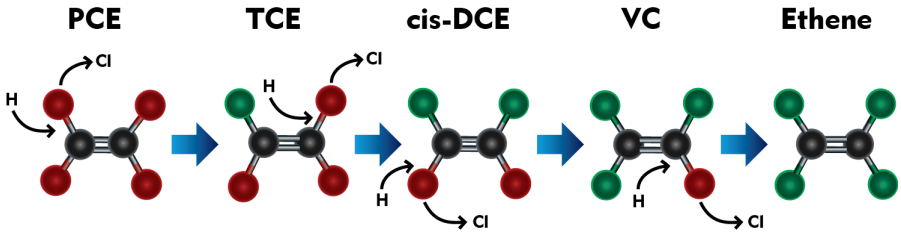
Relinquished by: Date: 1-29-15 / 1710
Received by: Date 1/30/15

In order for analysis to be completed correctly, it is vital that chain of custody is filled out correctly & that all relative information is provided. Failure to provide sufficient and/or correct information regarding reporting, invoicing & analyses requested information may result in delays for which MI will not be liable. * additional cost and sample preservation are associated with RNA samples.

DHC Interpretation

Dehalococcoides 16S rRNA gene (qDHC)

Under anaerobic conditions, tetrachloroethene (PCE) and trichloroethene (TCE) can undergo sequential reductive dechlorination through the daughter products *cis*-dichloroethene (*cis*-DCE) and vinyl chloride to nontoxic ethene (1,2).



While a number of bacterial cultures capable of utilizing PCE and TCE as growth supporting electron acceptors have been isolated (3-7), *Dehalococcoides* spp. may be the most important because they are the only bacterial group that has been isolated to date which is capable of complete reductive dechlorination of PCE to ethene (8). In fact, the presence of *Dehalococcoides* spp. has been associated with complete dechlorination to ethene at sites across North America and Europe (9).

Status	*Dehalococcoides spp.*	Observation
	**≥ 10^4** (cells/mL)	Lu et al. proposed that a concentration of 1 x 10^4 DHC cells/mL could be used as a screening criterion to identify sites where reductive dechlorination will yield a generally useful biodegradation rate (10). Similarly, in an internal study conducted with nearly 1000 groundwater samples obtained from sites across the US, ethene production was observed in approximately 80% of samples in which CENSUS® qDHC results were greater than or equal to 10^4 DHC cells/mL.
	**10^1 to < 10^4** (cells/mL)	When vinyl chloride reductase genes (See DHC functional genes discussion below) are also detected, complete reductive dechlorination of PCE and TCE to ethene may still occur even with moderate DHC concentrations. When the DHC population is below the 10^4 cells/mL criterion proposed by Lu et al. (10), project managers should carefully consider other site-specific data to determine whether subsurface conditions may be limiting reductive dechlorination. For example, the addition of an electron donor may be able to stimulate DHC growth and enhance anaerobic bioremediation.
	**< 10^1** (cells/mL)	DHC concentrations are low suggesting that complete reductive dechlorination of PCE and TCE to ethene is unlikely to occur under existing conditions. Enhanced anaerobic bioremediation options (biostimulation or bioaugmentation) may need to be considered.

10515 Research Drive
Knoxville, TN 37932
Phone: 865.573.8188
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www.microbe.com

DHC Functional Genes (*tce*A, *bvc*A, *vcr*A)

A "stall" where daughter products *cis*-DCE and vinyl chloride accumulate can occur at PCE- and TCE-impacted sites especially under MNA conditions. The accumulation of vinyl chloride, generally considered more carcinogenic than the parent compounds, is particularly problematic. Although elevated *Dehalococcoides* concentrations correspond to ethene production in numerous studies, the range of chlorinated ethenes metabolized and cometabolized varies among species and strains within the *Dehalococcoides* genus. For example, *Dehalococcoides ethenogenes* str. 195 metabolizes PCE, TCE, and *cis*-DCE and cometabolizes vinyl chloride (8) to produce ethene. Conversely, *Dehalococcoides* sp. CBDB1 utilizes PCE and TCE but does not cometabolize additional chloroethenes (11). Other *Dehalococcoides* strains, such as BAV1, GT and VS, are known to fully dechlorinate cis-DCE and VC to ethene (14,16,19). Quantification of reductive dehalogenase genes is used to more definitively confirm the potential for reductive dechlorination of TCE, cis-DCE, and vinyl chloride (12-15).

Functional Gene	Observation
TCE Reductase	
***tce*A gene**	The *tce*A gene encodes the enzyme responsible for reductive dechlorination of TCE to *cis*-DCE in some strains of *Dehalococcoides*. Absence of *tce*A does not preclude the potential for reductive dechlorination of TCE in the field since the *tce*A gene is not universally distributed among all DHC and is not present in other microorganisms capable of reductive dechlorination of TCE (e.g. *Dehalobacter*). Detection of the *tce*A gene provides an additional line of evidence indicating the potential for dechlorination of TCE.
Vinyl Chloride Reductase	
***bvc*A gene**	The *bvc*A gene encodes the vinyl chloride reductase enzyme responsible for reductive dechlorination of vinyl chloride to ethene by *Dehalococcoides* sp. str. BAV1 (16). Presence of *bvc*A gene indicates the potential for reductive dechlorination of VC to ethene. Absence of both *bvc*A and *vcr*A genes suggests VC may accumulate. An internal study with ~1,000 samples showed ethene production was observed in 80% of the samples that the DHC population was greater than or equal to 10^4 cells/mL. The *bvc*A gene was detected in over 50% of these samples. Van Der Zaan et al (17) noted that the bvcA gene was the only VC reductase gene detected at three of their sites. Alfred Spormann's laboratory at Stanford University (18) reported that the *bvc*A gene was the most abundant and active at the outflow of a PCE fed column study. This section of the column was in the DCE to VC stages of reductive dechlorination thus confirming the importance of the *bvc*A gene for complete reductive dechlorination.
***vcr*A gene**	The *vcr*A gene encodes the vinyl chloride reductase enzyme responsible for reductive dechlorination of *cis*-DCE and vinyl chloride by *Dehalococcoides* sp. strain VS (14). Presence of *vcr*A gene indicates the potential for reductive dechlorination of DCE and/or VC to ethene. Absence of both *bvc*A and *vcr*A genes suggest VC may accumulate. As with the *bvc*A gene, detection of the *vcr*A gene is associated with ethene production in internal studies (67%) and vinyl chloride reduction in independent studies (14, 17).

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Reporting

Microbial Insights can provide a variety of data packages and reporting levels to suit the needs of any project. Data packages range from simple analytical reports with results only to more complex data packages that include a report narrative, analytical results, QC data, and supporting materials including all raw data and chain-of-custody documentation. The figure below shows our standard report and explains the way values are reported.

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CENSUS

Client: Company Name
Project: Your Project Name

MI Project Number: Unique Laboratory Identifier
Date Received: Date Samples Arrived

Sample Information

Client Sample ID:		Sample A	Sample B	Sample C
Sample Date:		00/00/0000	00/00/0000	00/00/0000
Units:		cells/mL	cells/mL	cells/mL
Analyst:		Intials	Intials	Intials
Dechlorinating Bacteria				
Dehalococcoides spp.	DHC	**1.84E+05**	**2.76E+02**	**2.28E+01 (J)**
Functional Genes				
tceA Reductase	TCE	**6.00E+01**	**3.23E+01**	<4.00E-01
bvcA Reductase	BVC	**1.17E+04**	**1.81E+01**	<4.00E-01
vcrA Reducatase	VCR	**8.42E+04**	**1.74E+02**	<4.00E-01

"J" value
Result is an estimated value. This data qualifier (flag) is used when the target gene is detected but at a concentration or abundance below the practical quantification limit (PQL).

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

< value
The target gene was not detected at the limit of quantitation (LOQ) reported for that sample.

"I" value
QA Procedure indicated that the sample may have exhibited PCR inhibition. Although relatively rare, PCR inhibition can occur due to the presence of metals or humic acids at high concentrations in the sample.

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Quality Assurance

Microbial Insights' comprehensive Quality Assurance (QA) Program is the foundation of all laboratory analyses, ensuring that our clients receive high-quality analytical services that are timely, reliable, and meet their intended purpose in a cost effective manner. MI is committed to providing quality data that surpasses regulatory and industry standards, thus enabling the client to make well-informed decisions. MI maintains strict standard operating procedures and QA/QC measures throughout all of the analyses offered. The following Table details specific QA/QC procedures that are used for CENSUS.

QA/QC	Description
Date of Extraction	DNA and RNA extractions are performed the day the samples are received by MI to minimize the possibility of any changes to the microbial community prior to analysis.
Laboratory Method Blanks	An extraction blank (no sample added) is processed alongside each set of field samples from DNA extraction through CENSUS® analysis to ensure that cross contamination has not occurred. Although MI has never experienced this issue, the detection of the CENSUS® target (e.g. *Dehalococcoides*) in an extraction blank is direct evidence of cross contamination with a sample or contamination of a reagent and would invalidate the results. If this were to occur, MI would re-extract the sample. If not possible to re-extract, MI would contact the client immediately and notate it on the laboratory report.
Laboratory Control Samples (LCS)	A laboratory control sample (LCS) or positive control (target DNA) is included with each CENSUS® plate to confirm amplification and as a continuing calibration check.
Negative Controls	A negative control (no DNA) is included with each CENSUS plate to ensure that cross contamination has not occurred during amplification. As with the extraction blank, detection of CENSUS target (e.g. DHC) in a negative control is direct evidence of contamination and would invalidate the results. If this were to occur, MI would rerun the analysis.

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APPENDIX E

WASTE DISPOSAL MANIFEST

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	585-436-5660	15-0189

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC
6274 E. AVON LIMA RD.
AVON NY 14414
Attn: JOSHUA HAUGH
Generator's Phone: 585 226.5427

Generator's Site Address (if different than mailing address)
NYSDEC SITE #828122
15 CAIRN ST.
ROCHESTER NY 14611

6. Transporter 1 Company Name
NEW YORK ENVIRONMENTAL TECHNOLOGIES, INC.
U.S. EPA ID Number
NYD986983229

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CYCLE CHEM, INC.
550 INDUSTRIAL DR.
LEWISBERRY PA 17339
Facility's Phone: 717 938-4700
U.S. EPA ID Number
PAD067098822

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON RCRA, NON DOT REGULATED LIQUID, N.O.S. (PETROLEUM IMPACTED WATER)	005	DM	00150	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1. NYE280-A-LS JOB #R4508 GES BUFFALO PO#36841
(profile attached)

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: On behalf of NYSDEC Lawrence T Krisch
Signature
Month 05 Day 12 Year 15

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: THOMAS HENDERSON
Signature
Month 05 Day 12 Year 15

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Annie E. Hied
Signature: Annie E. Hied
Month 5 Day 18 Year 15

169-BLS-C 5 11979 (Rev. 9/09)

TRANSPORTER #1