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August 5, 2014

David Szymanski
New York State Department of Environmental Conservation
Division of Environmental Remediation
270 Michigan Ave.
Buffalo, New York 14203-2915

Re: **Periodic Review Report (July 8, 2013, through July 7, 2014), Former Dowell Facility, Depew, New York**

Dear Mr. Szymanski,

Please find enclosed one electronic copy (submitted via e-mail) of the above-referenced document. The original signed certification form has been mailed to your attention at the New York State Department of Environmental Conservation Regional Office address listed above. An electronic copy of the Level IV electronic data deliverable has also been submitted to the email address identified on New York State Department of Environmental Conservation's web page for environmental data submission.

If you have any questions or comments, please call me at (281) 285-4747. I can also be reached by e-mail at cocianni-v@slb.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "V. Cocianni", with a stylized flourish above it.

Virgilio Cocianni
Remediation Manager

Enclosures

c: Matt Focucci/New York State Department of Health
Jim Strunk/The Dow Chemical Company
Cathy Barnett/CH2M HILL

Draft

Periodic Review Report (July 8, 2013, through July 7, 2014)

**Former Dowell Depew Facility
3311 Walden Avenue, Depew, New York**

Prepared for
**New York State Department of
Environmental Conservation**

On Behalf of
**Schlumberger Technology Corporation and
The Dow Chemical Company**

August 2014

Executive Summary

On behalf of the Volunteers (Schlumberger Technology Corporation and The Dow Chemical Company), CH2M HILL Engineers, Inc., has prepared this periodic review report (PRR) in accordance with the Site management plan (SMP) for the former Dowell Depew Facility (the site) located in Depew, New York. The site entered into the New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Program (VCP) on February 26, 2001—Voluntary Cleanup Agreement # B9-0586-00-10, Site # V-00410-9. The PRR was prepared as required in the SMP for the periodic submittal of data, information, recommendations, and certifications to NYSDEC.

Dowell Schlumberger Incorporated (Dowell, a defunct joint venture between Schlumberger Technology Corporation and The Dow Chemical Company) operated a facility at 3311 Walden Avenue in the Village of Depew located to the east of Buffalo, New York. Former activities at the site included servicing industrial facilities and limited oilfield-related projects. In the late 1980s, Dowell discontinued operations at the site, and the facility was permanently closed. After site operations ceased, the Volunteers performed site investigations to determine the nature and extent of contamination in site soil and/or groundwater that may be attributed to previous site activities.

Site investigations detected elevated concentrations of volatile organic compounds in both soil and groundwater at the site. Additionally, asbestos-containing material was identified in several of the onsite building structures. The Volunteers subsequently entered the site into the NYSDEC VCP, and remedial actions were initiated in October 2003. Remedial actions conducted between October 2003 and May 2004 included building/structure demolition, asbestos-containing material abatement, contaminated soil excavation/disposal, monitoring well removal/installation, and site restoration. No engineering controls were installed as part of the site remedy; however, a Declaration of Covenants and Restrictions granted to the NYSDEC was recorded with the Erie County Clerk on June 22, 2005.

Following completion of the remedial actions, but prior to issuance of the Certificate of Completion by NYSDEC, a long-term monitoring program consisting of quarterly groundwater sampling of onsite monitoring wells was instituted for the site. A final remedial action report was completed and submitted to NYSDEC in September 2010. The SMP was prepared and submitted to NYSDEC in May 2011. NYSDEC issued a Certificate of Completion for the site remediation on December 7, 2011. Since this time, the long-term monitoring program and site maintenance activities have been conducted in accordance with the SMP and NYSDEC-approved modifications.

This PRR summarizes the monitoring activities conducted during the reporting period of July 8, 2013, to July 7, 2014. The June 2014 annual groundwater sampling data and site inspection form indicates that the final remedy continues to perform as designed and that concentrations of remaining site contaminants are stable or decreasing. The institutional controls remain in place as required, and no areas of noncompliance were identified during the reporting period. Developments in vapor intrusion practice and its application to remediation sites have occurred since the publication of the SMP. The Volunteers plan to re-evaluate the current site conditions to assess the potential risk associated with vapor intrusion.

Based on the consistency of the groundwater data since the remedial action was completed, it is recommended that the NYSDEC-approved annual site inspection and annual groundwater monitoring of monitoring wells MW-06S, MW-06D, MW-07S, MW-07D, and RW-01 be repeated during the next reporting period of July 8, 2014, to July 7, 2015.

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Abbreviations and Acronyms

AST	aboveground storage tank
1,1-DCA	1,1-dichloroethane
1,2-DCA	1,2-dichloroethane
1,1-DCE	1,1-dichloroethene
1,2-DCE	1,2-dichloroethene
cis-1,2-DCE	cis-1,2-dichloroethene
EC	engineering control
FD	field duplicate
IC	institutional control
MS	matrix spike
MSD	matrix spike duplicate
µg/L	micrograms per liter
NYSDEC	New York State Department of Environmental Conservation
PRR	Periodic Review Report
QA	quality assurance
QC	quality control
SCG	applicable standards, criteria and guidelines
SMP	Site Management Plan
site	Former Dowell Depew Facility
1,1,1-TCA	1,1,1-trichloroethane
TCL	Target Compound List
TestAmerica	TestAmerica Laboratories, Inc. – Buffalo, New York
UST	underground storage tank
VCP	Voluntary Cleanup Program
VOC	volatile organic compound

Introduction and Site Overview

This periodic review report (PRR) was prepared for the former Dowell Depew Facility (the site) located in Depew, New York. The PRR was prepared in accordance with the site management plan (SMP) for the periodic submittal of data, information, recommendations, and certifications to the New York State Department of Environmental Conservation (NYSDEC). Fieldwork and laboratory analysis reported in this PRR were performed in accordance with the SMP (URS Corporation 2011) and NYSDEC-approved modifications (NYSDEC 2014 and Szymanski 2014).

1.1 Purpose

The purpose of the PRR is to provide the following information for the reporting period to NYSDEC (URS Corporation 2011):

- Identification, assessment, and certification of institutional controls (ICs) required by the remedy for the site
- Results of the required annual site inspections and severe conditions inspections, if applicable
- Applicable inspection forms and other records generated for the site during the reporting period in electronic format
- Data summary tables and graphical representations of contaminants of concern by media
- Results of analyses, copies of laboratory reports, and the required laboratory data deliverables for samples collected during the reporting period submitted electronically in a NYSDEC-approved format
- A site evaluation, including compliance of the remedy, new conclusions or observations regarding site contamination based on inspections or data generated for the media monitored, recommendations regarding changes to the remedy and/or monitoring plan, and the overall performance and effectiveness of the remedy.

1.2 Site Location

The site is located east of Buffalo, New York, at 3311 Walden Avenue in the Village of Depew (Figure 1-1). The site is located in a mixed residential and industrial/commercial area. Properties surrounding the site included Walden Avenue to the north, a CSX railroad yard to the south, a lumber yard and supply store (84 Lumber) to the east, and a mattress manufacturer (Buffalo Batt and Felt) to the west (Figure 1-2). A residential neighborhood and a recycling facility (EnviroSense Corp.) are located adjacent to the site on the north side of Walden Avenue.

The site covers approximately 3.5 acres and is relatively flat with a gentle downward slope to the north–northwest toward Walden Avenue. Maximum relief across the site (that is, from south to north) is about 4 feet, and surface water flows from south to north across the site. The property is currently vacant, and the ground surface consists primarily of gravel and grass with small- to medium-sized trees on portions of the site. A 6-foot-high chain-linked fence with a locked entrance gate along Walden Avenue surrounds the site.

1.3 Site History

Former activities at the site included servicing industrial facilities and limited oilfield-related projects. Various industrial cleaning and oilfield-related chemicals were stored onsite and transferred into tank trucks for use at different job sites (URS Corporation 2004). A former railroad siding, which has been removed, traversed the site from east to west. Former onsite building structures included the following: a two-story office building, a chemical storage building, a one-story office/maintenance shop, an acid plant, a bulk cement plant, cement silos, an 8,000-gallon diesel aboveground storage tank (AST), a 1,000-gallon gasoline

underground storage tank (UST) with dispenser, a mud separator, an oil/water separator, and a hydrochloric acid AST (Figure 1-2). In the late 1980s, operations at the site were discontinued, and the facility was permanently closed. Building structures were razed during the 2003 to 2004 remedial action, and the site has been inactive since (URS Corporation 2011).

1.4 Previous Site Investigations and Remedial Action Activities

Site investigations and remedial actions were performed after site operations were discontinued. A chronology of the site investigations and remedial actions is presented in Table 1-1.

SECTION 2

Institutional Controls and Engineering Controls Plan Compliance

Section 2 summarizes the IC and engineering controls (EC) requirements for the site.

2.1 Institutional Controls and Engineering Controls Requirements

A series of ICs is required by the Declaration of Covenants and Restrictions to (1) prevent future exposure to remaining contamination, and (2) limit the use and development of the site to commercial uses only. Adherence to the ICs on the site is required by the Declaration of Covenants and Restrictions and was implemented under the SMP. The ICs for the site consist of the following:

- Compliance with the Declaration of Covenants and Restrictions and the SMP by the Grantor and the Grantor's successors and assigns.
- Groundwater monitoring must be performed as defined in the SMP. (Alterations to the groundwater monitoring program, schedule, or sampling and analysis methods require prior approval by NYSDEC before implementation.)
- Data and information pertinent to site management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP. (Alterations to the frequency of reporting to the NYSDEC require prior approval by NYSDEC before implementation.)

The site has a series of ICs in the form of site restrictions. Adherence to the ICs is required by the Declaration of Covenants and Restrictions. The following site restrictions apply to the Controlled Property:

- The property may only be used for restricted commercial use, provided that the long-term ICs included in the SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted or restricted residential use, without additional remediation and amendment of the Declaration of Covenants and Restrictions, as approved by NYSDEC.
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP.
- The use of the groundwater underlying the property is prohibited without treatment, rendering it safe for intended use.
- The potential for vapor intrusion must be evaluated for any buildings developed on the site, and any potential impacts that are identified must be monitored or mitigated.
- Vegetable gardens and farming on the property are prohibited.
- The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, the following: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by NYSDEC, and (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow, and will be made by A Qualified Environmental Professional as defined by 6NYCRR Part 375-1.2 (ak).

ICs identified in the Declaration of Covenants and Restrictions may not be discontinued without an amendment to or extinguishment of the Declaration of Covenants and Restrictions. To date, there have been no changes made to the ICs, and monitoring activities have been performed in compliance with applicable requirements.

2.2 Institutional Controls and Engineering Controls Certification

The NYSDEC IC/EC Certification Form has been completed by a CH2M HILL New York Registered Professional Engineer for this reporting period and is provided as Appendix A.

Monitoring Plan Compliance

3.1 Monitoring Plan Requirements

On April 9, 2014, NYSDEC approved reducing the site monitoring plan requirements to annual sampling of site monitoring wells MW-06S, MW-06D, MW-07S, MW-07D, and recovery well RW-01 for target compound list (TCL) volatile organic compounds (VOCs) only (NYSDEC 2014). Additionally, on May 16, 2014, NYSDEC approved the proposed change in the groundwater sample collection technique at the site from low-flow sampling techniques to a passive sampling technique using disposable HydraSleeves (Szymanski 2014). The NYSDEC-approved modified monitoring plan requirements and sample collection method were incorporated into the June 2014 annual sampling event.

3.2 Groundwater Level Measurements

Prior to groundwater sample collection, total well depth and depth to groundwater were measured at each site monitoring and recovery well and piezometer on June 10, 2014. Depths were measured relative to the top of casing and were recorded to the nearest 0.01 foot. Table 3-1 presents the total well depths, depth to groundwater measurements, and groundwater elevations for each site monitoring well and piezometer for the June 2014 annual sampling event.

3.3 Groundwater Sampling and Analysis

On June 10, 2014, groundwater samples were collected from site monitoring wells MW-06S, MW-06D, MW-07S, MW-07D, and RW-01 using disposable HydraSleeves. HydraSleeves were deployed at the appropriate depths to collect a representative groundwater sample from the mid-point of each well screen interval. The HydraSleeves were later retrieved, and a representative groundwater sample was collected from each HydraSleeve and placed in laboratory-supplied sample bottleware. After sample collection was completed at a well, excess sample water was returned to its well. Groundwater samples collected during the sampling event were placed in a laboratory-supplied cooler, packed on ice, and delivered to TestAmerica Laboratories, Inc. (TestAmerica) in Buffalo, New York, for laboratory analyses. The groundwater samples were analyzed for TCL VOCs using U.S. Environmental Protection Agency Method 8260B.

Quality assurance (QA)/quality control (QC) samples were collected in accordance with the site-specific quality assurance project plan (URS Corporation 2011). QA/QC samples collected during the sampling event included field duplicates (FDs), matrix spike (MS)/matrix spike duplicate (MSD), and trip blank samples. Equipment rinsate blank samples were not collected during the sampling event since only disposable sampling equipment was used. FDs were collected at a rate of 1 for every 10 native samples. MS and MSD samples were collected at a rate of 1 for every 20 native samples. A trip blank sample was included in the sample cooler provided by and submitted to TestAmerica.

3.4 Data Quality Assessment

CH2M HILL performed a data review, verification, and validation of the June 2014 annual monitoring event sample data to assess the quality of the analytical results associated with the groundwater samples. To reflect data usability limitations, data were qualified using appropriate qualifier flags. The precision and accuracy of the data, as measured by field and laboratory QC indicators, suggests that the project analytical requirements were met, and the data are acceptable for project decision making as qualified. The laboratory data report for the June 2014 annual monitoring event is provided as Appendix B, and the data quality evaluation report is provided as Appendix C.

3.5 Groundwater Monitoring Results

3.5.1 Groundwater Elevations and Groundwater Flow

Groundwater elevation measurements for the June 2014 annual monitoring event are presented in Table 3-1. Figure 3-1 presents the potentiometric surfaces for the two lithologic units present onsite (defined as the upper and lower till units) as measured in June 2014. The general groundwater flow direction for both lithologic units in relation to site monitoring wells MW-06S, MW-06D, MW-07S, MW-07D, and RW-01 is to the west to northwest. The groundwater flow directions are consistent with past measurements (URS Corporation 2013).

3.5.2 Evaluation of Groundwater Results

Table 3-2 presents the analytes detected in groundwater during the June 2014 annual monitoring event. Historical VOC concentrations in groundwater are presented in the first PRR (URS Corporation 2013) and are provided as Appendix D.

Ten VOCs were detected and eight VOCs exceeded applicable standards, criteria, and guideline (SCG) values at one or more groundwater/recovery well. The eight VOCs exceeding applicable SCG values are 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), 1,2-DCA, total 1,2-DCE, chloroethane, cis-1,2-DCE, trichloroethene, and vinyl chloride (Figure 3-2).

Based on the analytical result of the sampling for VOCs during the June 2014 annual monitoring event, the following observations were made:

- VOCs were only detected above SCG values in site monitoring wells MW-06S and MW-06D. Unlike previous sampling rounds, there were no concentrations exceeding SCG values at RW-01.
- VOC concentrations exceeding SCG values in MW-06S are significantly lower than the concentrations reported during the July 2013 monitoring event. 1,1,1-TCA decreased from 240 to 7.77 micrograms per liter ($\mu\text{g/L}$), 1,1-DCA decreased from 12,000 to 252 $\mu\text{g/L}$, and chloroethane decreased from 530 to 13.9 $\mu\text{g/L}$.
- VOC concentrations exceeding SCG values in MW-06D are generally consistent with concentrations reported during the July 2013 monitoring event.
- Chloroethane, a breakdown product of 1,1-DCA and 1,1,1-TCA, was once again detected in MW-06S and MW-06D groundwater samples.

The Level IV electronic data deliverable has been prepared and is being submitted to NYSDEC as a separate deliverable at the same time as the PRR.

3.5.3 Monitoring Deficiencies

There were no monitoring deficiencies during the reporting period.

3.5.4 Conclusions and Recommendations

The following conclusions were made based on the analytical results of the monitoring conducted during this reporting period:

- Data indicate that remaining groundwater contamination above SCG values onsite is still limited to the area around MW-06S and MW-06D, and concentrations in MW-06S are significantly lower than in prior rounds.
- Chloroethane concentrations in MW-06S and MW-06D suggest that 1,1,1-TCA and 1,1-DCA may be breaking down as part of the natural attenuation process.

Based on the consistency of the groundwater data with prior sampling rounds, it is recommended that monitoring wells currently in the NYSDEC-approved revised monitoring program continue to be sampled annually for TCL VOCs. If the annual sampling results show a significant change in contaminant

concentrations, then change in the frequency of sampling impacted monitoring well(s) will be discussed and agreed upon with NYSDEC.

Operation, Maintenance, and Inspections Compliance

4.1 Operation and Maintenance Plan Requirements

The site remedy does not rely on mechanical systems, such as groundwater pump and treat or air sparge/soil vapor extraction, to protect public health and the environment; therefore, operation and maintenance are not applicable at this site. However, the SMP does require sitewide inspections to be conducted concurrently with the monitoring plan.

4.2 Site Inspections

The CH2M HILL project manager performed a sitewide inspection on June 10, 2014, during the June groundwater monitoring event. In addition, the CH2M HILL New York Registered Professional Engineer inspected the site on July 17, 2014. Copies of the completed sitewide inspection forms are provided as Appendix E. The sitewide inspections indicated no significant changes in the conditions of the site since the time of the last PRR dated August 2013, with the exception of an increase in size and density of onsite vegetation.

During the reporting period, the following maintenance activities were performed:

- Grass between the perimeter fence and Walden Avenue was mowed.
- Vegetation (grass, bushes, and small trees) within the perimeter fence was brush-hogged.
- To the extent possible, vegetation growing within the perimeter fence was removed.
- Trash that had accumulated along the road easement between the perimeter fence and Walden Avenue was removed and disposed of offsite.

Remedy Performance, Effectiveness, and Protectiveness

Section 5 includes a summary of the remedy performance, effectiveness, and protectiveness based on inspections and data generated during this reporting period, and as the data compares to historical data.

5.1 Remedy Performance

Previous documents have detailed the remedy performance as it relates to site soil (URS 2011 and URS 2013). The remedy performance related to site groundwater is demonstrated by the stable or decreasing groundwater concentrations since remedial action activities were completed. Data indicate that remaining groundwater contamination above SCG values onsite is still limited to the area around MW-06S and MW-06D. In addition, chloroethane concentrations suggest that 1,1,1-TCA and 1,1-DCA may be breaking down as part of the natural attenuation process.

5.2 Remedy Effectiveness

The remedy was effective in removing soil with VOC concentrations exceeding soil cleanup objectives for restricted commercial use (URS Corporation 2013). The remedy has also been effective in reducing VOC concentrations in groundwater below SCG values, with the exception of the area around MW-06S and MW-06D. Groundwater concentrations are lower in MW-06S and approximately the same in MW-06D since the last PRR.

5.3 Remedy Protectiveness

The remedy has been protective of human health and the environment by reducing the VOC concentrations in soil to below the applicable soil cleanup objectives for commercial sites. VOC concentrations in groundwater have been reduced to levels below SCG values, with the exception of a small area along the north side of the site (that is, characterized by MW-06S and MW-06D). In April 2008, an investigation was performed to evaluate whether site contaminants had migrated offsite in groundwater. One reason for the investigation was to evaluate the potential for offsite groundwater to serve as a potential source of vapor intrusion to offsite residences. Residual site contaminants in groundwater were not detected offsite (URS Corporation 2010).

Developments in vapor intrusion practice and its application to remediation sites have occurred since the publication of the SMP. The Volunteers plan to re-evaluate the current site conditions to assess the potential risk associated with vapor intrusion.

Conclusions and Recommendations

The site is compliant with the requirements of the SMP for the July 8, 2013, to July 7, 2014, reporting period. The June 2014 groundwater sampling data and inspections indicate that the final remedy continues to be effective in protecting human health and the environment, and that the remaining site contamination is stable or decreasing. ICs remain in place, as required. However, one caveat is worth noting. Developments in vapor intrusion practice and its application to remediation sites have occurred since the publication of the SMP. The Volunteers plan to re-evaluate the current site conditions to assess the potential risk associated with vapor intrusion. The Volunteers will consult with NYSDEC prior to implementing additional investigation or remedial action activities.

There were no areas of noncompliance during the reporting period. Based on the consistency of the data since the remedial action was completed, it is recommended that the NYSDEC-approved modified groundwater monitoring program and schedule, which consist of an annual site inspection and annual monitoring of monitoring wells MW-06S, MW-06D, MW-07S, MW-07D, and RW-01, continue during the next reporting period of July 8, 2014, through July 7, 2015.

SECTION 7

References

New York State Department of Environmental Conservation (NYSDEC). 2014. *NYSDEC Letter – Site Management (SM) Periodic Review Report (PRR) Response Letter for the Former Dowell Facility 3311 Walden Avenue Depew New York, Depew, New York*. April.

Szymanski, David/NYSDEC Project Manager. 2014. Personal communications (e-mail) with Jayson Burkard/CH2M HILL. May 16.

URS Corporation. 2004. *Remedial Action Report for the Former Dowell Facility 3311 Walden Avenue Depew New York, Depew, New York*. July.

URS Corporation. 2010. *Final Remedial Action Report for the Former Dowell Facility 3311 Walden Avenue Depew New York, Depew, New York*. September.

URS Corporation. 2011. *Site Management Plan for the Former Dowell Facility 3311 Walden Avenue Depew New York, Depew, New York*. May.

URS Corporation. 2013. *Periodic Review Report (December 7, 2011 – July 7, 2013)*. Former Dowell Facility 3311 Walden Avenue Depew New York, Depew, New York. August.

TABLE 1-1

Chronology of Site Investigations and Remedial Actions

Periodic Review Report (July 8, 2013 through July 7, 2014)

Former Dowell Depew Facility, Depew, New York

Date	Work Performed
September 1989	Removal and offsite disposal of the 1,000-gallon UST and its associated dispenser, the 8,000-gallon AST, and contaminated soils.
May 1990	Site investigation performed to determine the presence or absence of chemical constituents in site soil and groundwater. Low level VOC concentrations were detected in shallow groundwater.
January 1992	Physical/chemical evaluation of groundwater performed at former UST location. No contamination was detected in the groundwater sample.
September 1996 - March 1997	Monitoring well installation (MW-01, MW-02, MW-03, and MW-04) and sampling, VOC concentrations exceeded SCG values at MW-03 and lead exceeded the MCL at MW-02 and MW-04. The mud separator was decommissioned.
November 1997	Supplemental investigation was performed, soil samples were collected, and groundwater samples were collected from existing monitoring wells.
July 1998	Removal and offsite disposal of former acid plant concrete revetment, 500 tons of VOC contaminated soil from the around the acid plant, cement bulk plant debris, and other miscellaneous debris.
July 1998 - January 2000	Groundwater samples collected four times during this period from MW-01 through MW-04 for VOCs.
February 26, 2001	The volunteers entered into a Voluntary Cleanup Agreement with NYSDEC.
July 2001	Site investigation performed to collect soil, sediment, and groundwater samples. Hydraulic conductivity testing was performed. An asbestos survey and land survey of investigation locations was completed.
October 2003 - May 2004	Remedial activities including asbestos abatement, building/structure demolition, monitoring well abandonment and installation, excavation and offsite disposal of ~4,610 tons of VOC contaminated soil.
October 2005	Installation of monitoring well MW-07D.
April 2008	Offsite groundwater investigation completed.
June 2009	Installation and implementation of six injection wells upgradient of monitoring wells MW-06S and MW-06D. 377 gallons of hydrogen peroxide and sodium persulfate was injected between August and November 2009.
September 2010	Final Remedial Action Report was prepared and submitted to NYSDEC.
May 2011	A Site Management Plan was submitted to NYSDEC.
December 2011	NYSDEC issued a Certificate of Completion for the site remediation.
August 2013	First Periodic Review Report was submitted and presented a summary of the remedy performance during the period of December 7, 2011 through July 7, 2013.

Notes:

AST = above ground storage tank

MCL = maximum contaminant level

NYSDEC = New York State Department of Environmental Conservation

SCG = applicable standards, criteria, and guidelines

UST = underground storage tank

VOC = volatile organic compound

TABLE 3-1

Groundwater Elevation Measurements

Periodic Review Report (July 8, 2013, through July 7, 2014)

Former Dowell Depew Facility, Depew, New York

Well ID	Northing	Easting	Ground Surface Elevation (ft)	Top of Casing Elevation (ft)	Total Depth (ft btoc)	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Total Depth Measured June 10, 2014 (ft btoc)	Depth to Water Measured June 10, 2014 (ft btoc)	Groundwater Elevation June 10, 2014 (ft)
MW-01	1060924.157	1118932.986	104.10	103.80	29.70	20	30	28.75	12.15	91.65
MW-02	1061209.591	1119165.904	102.53	102.25	28.02	18.3	28.3	26.55	3.24	99.01
MW-04	1061182.893	1119049.101	101.65	101.25	27.60	18	28	27.68	4.14	97.11
MW-06S	1061162.035	1118942.310	100.96	100.38	19.92	10	20	19.87	2.02	98.36
MW-06D	1061168.182	1118943.395	100.96	100.38	29.92	20	30	29.60	2.03	98.35
MW-07S	1061148.617	1118862.788	100.64	100.10	19.46	9.5	19.5	18.97	3.84	96.26
MW-07D	1061140.668	1118865.965	100.90	100.27	29.87	20	30	30.19	4.78	95.49
RW-01	1061171.187	1118970.030	101.10	103.90	18.80	6	16	18.50	3.08	100.82
RW-02	1061104.123	1119044.860	102.20	104.72	18.52	6	16	18.05	3.85	100.87
PZ-01S	1061012.984	1118932.541	101.80	104.97	15.17	2	12	15.10	5.20	99.77
PZ-01D	1061005.996	1118931.016	101.90	105.21	27.81	22.5	24.5	27.07	5.28	99.93
PZ-02S	1060922.990	1118929.893	104.00	107.86	15.86	10	12	16.50	4.91	102.95
PZ-03S	1061042.670	1119048.681	103.40	106.32	14.92	10	12	15.02	3.95	102.37
PZ-03D	1061046.881	1119054.834	103.70	105.73	26.03	22	24	26.97	3.49	102.24
PZ-04S	1061070.634	1118919.122	101.60	104.67	15.07	10	12	15.10	6.49	98.18
PZ-04D	1061074.512	1118924.040	101.70	104.80	27.60	22.5	24.5	27.09	6.52	98.28
PZ-05S	1061118.252	1119127.382	103.00	105.43	14.43	10	12	15.00	3.80	101.63
PZ-05D	1061122.093	1119130.623	102.80	106.20	27.70	22.3	24.3	26.70	4.75	101.45
PZ-07S	1061164.596	1119093.524	102.30	105.25	15.45	10.5	12.5	14.78	4.90	100.35
PZ-07D	1061167.578	1119102.081	102.50	105.10	27.60	23	25	27.05	4.84	100.26
PZ-08S	1061182.870	1119044.295	101.70	105.08	15.18	9.8	11.8	15.00	5.25	99.83
PZ-09S	1061205.909	1119167.589	102.60	106.38	16.08	10.3	12.3	15.02	5.89	100.49

Notes:

ft = feet

ft bgs = feet below ground surface

ft btoc = feet below top of casing

MW = monitoring well

PZ = piezometer

TABLE 3-2

Detected Analytes in Groundwater – June 2014

Periodic Review Report (July 8, 2013, through July 7, 2014)

Former Dowell Depew Facility, Depew, New York

Analyte	Location	MW-06D	MW-06S	MW-07D	MW-07S	RW-01
	Sample ID	MW-6D-061014	MW-6S-061014	MW-7D-061014	MW-7S-061014	RW-01-061014
	Sample Date	6/10/2014	6/10/2014	6/10/2014	6/10/2014	6/10/2014
SCG Values						
VOC (µg/L)						
1,1,1-Trichloroethane	5	158 J	7.77	0.82 U	0.82 U	0.82 U
1,1-Dichloroethane	5	11800	252	0.38 U	0.38 U	0.715 J
1,1-Dichloroethene	5	25.7	4.82	0.29 U	0.29 U	0.29 U
1,2-Dichloroethane	0.6	2.72	0.21 U	0.21 U	0.21 U	0.21 U
1,2-Dichloroethene, Total	5*	11.1	1.46 J	0.81 U	0.81 U	3.92
Chloroethane	5	568 J	13.9 J	0.32 UJ	0.32 UJ	0.32 UJ
cis-1,2-Dichloroethene	5	11.1	1.46	0.81 U	0.81 U	3.92
Methyl tert-butyl ether	10	0.687 J	0.16 U	0.16 U	0.16 U	0.16 U
Trichloroethene	5	0.46 U	0.503 J	0.46 U	0.46 U	0.46 U
Vinyl Chloride	2	4.77	0.9 U	0.9 U	0.9 U	0.9 U

Notes:

SCG Values = Applicable standards, criteria, and guideline values. Division of Water Technical & Operational Guidance Series (TOGS) 1.1.1 New York State Ambient Water Quality Standards and Guidance Values and Ground Water Effluent Limitations

- Table 1 and Table 5 - Class GA; June 1998; modified January 1999;
- modified April 2000; modified June 2004

*Screening level for cis-1,2-Dichloroethene used for total 1,2-Dichloroethene.

Bold indicates that the analyte was detected.

Grey shading indicates that the result exceeded the screening level.

µg/L = micrograms per liter

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

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

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

VOC = volatile organic compound

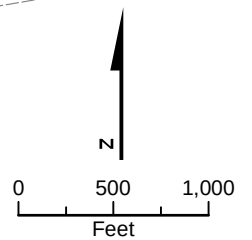
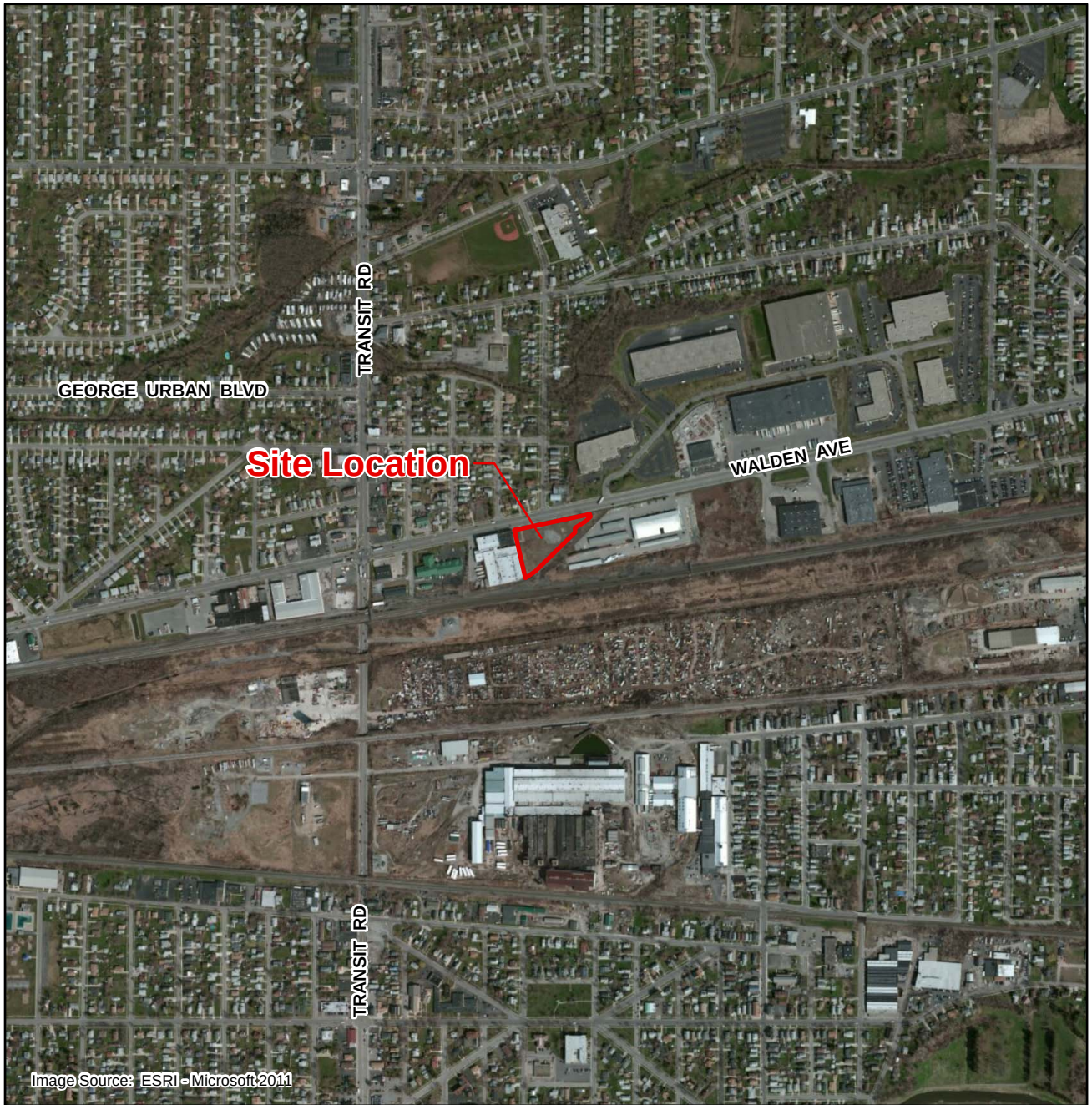


FIGURE 1-1
Site Location Map
 Periodic Review Report
 (July 8, 2013 through July 7, 2014)
 Former Dowell Depew Facility, Depew, New York



Image Source: ESRI - Microsoft 2011

- LEGEND
- | | | |
|--------------------------|-------------------------|---|
| Site Boundary | Former Feature Location | Monitoring Well / Recovery Well in Upper Till |
| Former Building Location | Former Concrete | Monitoring Well / Recovery Well in Lower Till |
| Former Tank | | Piezometer in Upper Till |
| | | Piezometer in Lower Till |

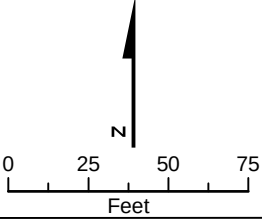


FIGURE 1-2
Site Map
Periodic Review Report
(July 8, 2013 through July 7, 2014)
Former Dowell Depew Facility, Depew, New York

CH2MHILL.

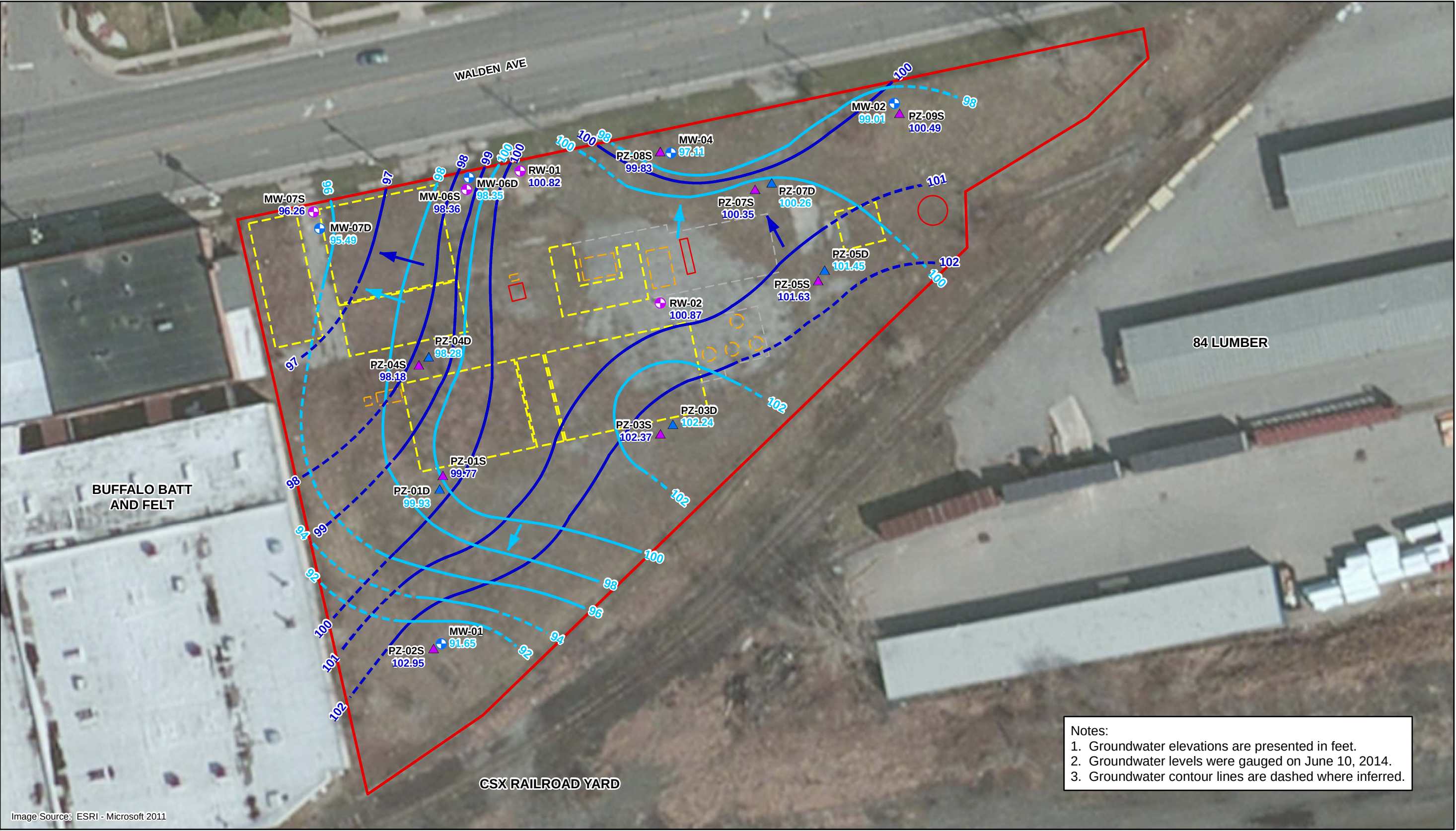


Image Source: ESRI - Microsoft 2011

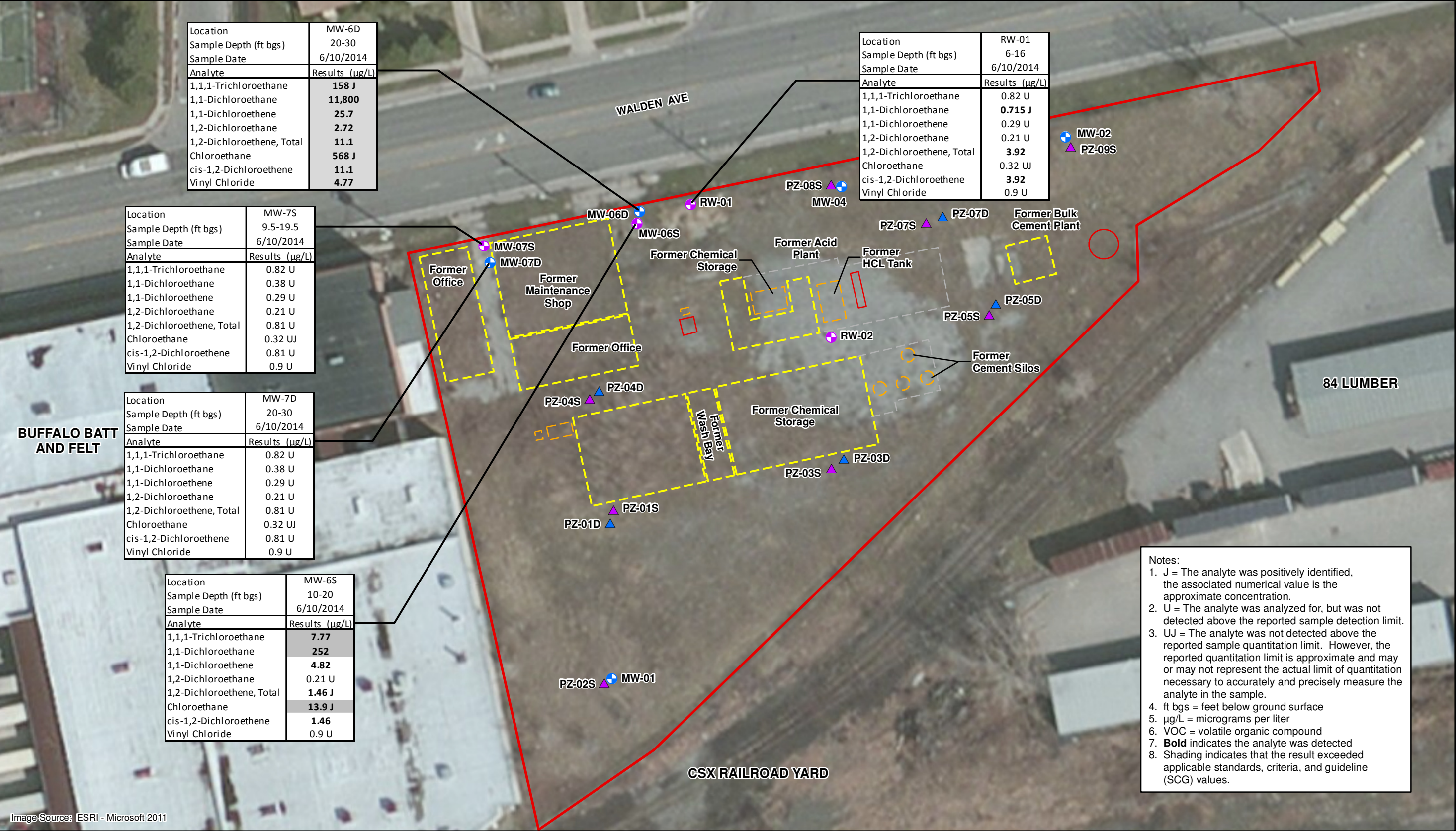
LEGEND

Site Boundary	Monitoring Well / Recovery Well in Upper Till	Groundwater Elevation Contour (Upper Till)	Groundwater Flow Direction (Upper Till)
Former Building Location	Monitoring Well / Recovery Well in Lower Till	Groundwater Elevation Contour (Lower Till)	Groundwater Flow Direction (Lower Till)
Former Feature Location	Piezometer in Upper Till	100.01 Groundwater Elevation (Upper Till)	Former Concrete
Former Tank	Piezometer in Lower Till	100.02 Groundwater Elevation (Lower Till)	



FIGURE 3-1
Potentiometric Surface Map - June 2014
Periodic Review Report
(July 8, 2013 through July 7, 2014)
Former Dowell Depew Facility, Depew, New York

CH2MHILL



LEGEND

- Site Boundary
Former Feature Location
Former Building Location
Former Concrete
Former Tank
Monitoring Well / Recovery Well in Upper Till
Monitoring Well / Recovery Well in Lower Till
Piezometer in Upper Till
Piezometer in Lower Till

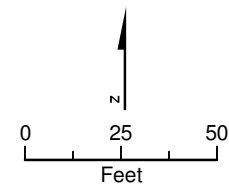


FIGURE 3-2
VOCs Exceeding SCG Values
Periodic Review Report
(July 8, 2013 through July 7, 2014)
Former Dowell Depew Facility, Depew, New York

Appendix A
IC/EC Certification Form



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details		Box 1
Site No.	V00410	
Site Name Former Dowell Facility		
Site Address: 3311-3313 Walden Ave	Zip Code: 14043	
City/Town: Depew		
County: Erie		
Site Acreage: ~~1.8~~ 3.5		
Reporting Period: ~~July 07, 2012 to July 07, 2014~~ July 8, 2013 to July 7, 2014		
		YES NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11 (d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2	
YES NO	
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☒ ☐
7. Are all ICs/ECs in place and functioning as designed?	☒ ☐
IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.	
A Corrective Measures Work Plan must be submitted along with this form to address these issues.	
Ellen E. Meyer Signature of Owner, Remedial Party or Designated Representative	7/29/2014 Date

Description of Institutional Controls

ParcelOwnerInstitutional Control

104.09-1-14

~~Bowell Schlumberger Inc.~~*Schlumberger Technology Corporation*

Ground Water Use Restriction
 Landuse Restriction
 O&M Plan
 Monitoring Plan
 Site Management Plan
 Ground Water Use Restriction
 Landuse Restriction
 Monitoring Plan
 Site Management Plan
 O&M Plan

Prohibition of groundwater use, restriction of use to industrial (may request commercial use from Relevant Agency), annual reporting, no constructions without approval of Relevant Agency, adherence to an O & M Plan included as section 7-1 of the Remedial Action Report Dated July 2004 and any subsequent modifications (May 2011 Site Management Plan requires soil vapor study or installation of vapor mitigation system according to DOH guidelines before re-use).

104.09-1-15

~~Bowell Schlumberger Inc.~~*Schlumberger Technology Corporation*

Ground Water Use Restriction
 Landuse Restriction
 Monitoring Plan
 Site Management Plan
 O&M Plan

Prohibition of groundwater use, annual reporting, no constructions without approval of Relevant Agency, adherence to an O & M Plan included as section 7-1 of the Remedial Action Report Dated July 2004 and any subsequent modifications (May 2011 Site Management Plan requires soil vapor study or installation of vapor mitigation system according to DOH guidelines before re-use).

Description of Engineering Controls

None Required

Not Applicable/No EC's

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

Please see Section 6.0 of the Periodic Review Report, July 8, 2013 to July 7, 2014

YES NO

☒ ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒ ☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Ellen E. Meyer
Signature of Owner, Remedial Party or Designated Representative

7/29/2014
Date

IC CERTIFICATIONS
SITE NO. V00410

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Ellen E. Moyer at CH2M HILL, 258 Main Road, Montgomery MA 01855
print name print business address

am certifying as Designated Representative (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Ellen E. Moyer
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

7/29/2014
Date

Appendix B
Analytical Laboratory Report Data

ANALYTICAL REPORT

Job Number: 480-61593-1

Job Description: Dowell - Depew Site

For:
CH2M Hill, Inc.
300 Hunter Avenue
Suite 305
St Louis, MO 63124
Attention: Ms. Shane Lowe



Approved for release.
John R Schove
Project Manager II
7/2/2014 10:02 AM

John R Schove, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9838
john.schove@testamericainc.com
07/02/2014
Revision: 1

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

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Job Narrative
480-61593-1

Revision

This report has been revised to include additional Quality Control information.

Receipt

The samples were received on 6/10/2014 5:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 189279 recovered above the upper control limit for Bromomethane. 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 480-189279/3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 189279 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 189394 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: MW-6S (480-61593-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 189443 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 189443 recovered outside acceptance criteria, low biased, for Dichlorodifluoromethane. 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-6D (480-61593-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: 1,1,1-Trichloroethane was detected in the sample at a concentration above the linear range of the initial calibration curve. Due to the high dilution dictated by other target compounds, this analyte was diluted out in the re-analysis of the sample. Therefore, the value being reported is from the original analysis and is qualified with an E flag: MW-6D (480-61593-2).

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

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Instrument ID: HP5975T Analysis Batch Number: 186217Lab Sample ID: IC 480-186217/6 Client Sample ID: _____Date Analyzed: 06/06/14 17:14 Lab File ID: T1920.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	4.94	Peak Tail	HillL	06/08/14 14:29

Lab Sample ID: IC 480-186217/7 Client Sample ID: _____Date Analyzed: 06/06/14 17:37 Lab File ID: T1921.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	4.94	Peak Tail	HillL	06/08/14 14:30

Lab Sample ID: IC 480-186217/10 Client Sample ID: _____Date Analyzed: 06/06/14 18:49 Lab File ID: T1924.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	4.93	Peak Tail	HillL	06/08/14 14:33

Lab Sample ID: ICV 480-186217/24 Client Sample ID: _____Date Analyzed: 06/07/14 00:25 Lab File ID: T1938.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	4.94	Peak Tail	HillL	06/08/14 21:31

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Instrument ID: HP5975T Analysis Batch Number: 189279Lab Sample ID: 480-61593-2 Client Sample ID: MW-6DDate Analyzed: 06/23/14 14:25 Lab File ID: T2571.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane	2.99	Poor chromatography	goliszekg	06/24/14 03:46

Lab Sample ID: 480-61593-7 Client Sample ID: TB-01Date Analyzed: 06/23/14 16:24 Lab File ID: T2576.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.12	Poor chromatography	goliszekg	06/23/14 17:13

SAMPLE SUMMARY

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-61593-1	MW-6S	Water	06/10/2014 1300	06/10/2014 1710
480-61593-1MS	MW-6S MS	Water	06/10/2014 1300	06/10/2014 1710
480-61593-1MSD	MW-6S MSD	Water	06/10/2014 1300	06/10/2014 1710
480-61593-2	MW-6D	Water	06/10/2014 1315	06/10/2014 1710
480-61593-3	MW-7S	Water	06/10/2014 1330	06/10/2014 1710
480-61593-4	MW-7D	Water	06/10/2014 1345	06/10/2014 1710
480-61593-5	RW-01	Water	06/10/2014 1400	06/10/2014 1710
480-61593-6	RW-01-FD	Water	06/10/2014 1405	06/10/2014 1710
480-61593-7TB	TB-01	Water	06/10/2014 0000	06/10/2014 1710

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-61593-1	MW-6S					
1,1,1-Trichloroethane		7.77		1.00	ug/L	8260C
1,1-Dichloroethane		252		4.00	ug/L	8260C
1,1-Dichloroethene		4.82		1.00	ug/L	8260C
1,2-Dichloroethene, Total		1.46	J	2.00	ug/L	8260C
Chloroethane		13.9		1.00	ug/L	8260C
cis-1,2-Dichloroethene		1.46		1.00	ug/L	8260C
Trichloroethene		0.503	J	1.00	ug/L	8260C
480-61593-2	MW-6D					
1,1,1-Trichloroethane		158	E	1.00	ug/L	8260C
1,1-Dichloroethane		11800		200	ug/L	8260C
1,1-Dichloroethene		25.7		1.00	ug/L	8260C
1,2-Dichloroethane		2.72		1.00	ug/L	8260C
1,2-Dichloroethene, Total		11.1		2.00	ug/L	8260C
Chloroethane		568		200	ug/L	8260C
cis-1,2-Dichloroethene		11.1		1.00	ug/L	8260C
Methyl tert-butyl ether		0.687	J	1.00	ug/L	8260C
Vinyl chloride		4.77		1.00	ug/L	8260C
480-61593-5	RW-01					
1,1-Dichloroethane		0.715	J	1.00	ug/L	8260C
1,2-Dichloroethene, Total		3.92		2.00	ug/L	8260C
cis-1,2-Dichloroethene		3.92		1.00	ug/L	8260C
480-61593-6	RW-01-FD					
1,1-Dichloroethane		1.04		1.00	ug/L	8260C
1,2-Dichloroethene, Total		5.22		2.00	ug/L	8260C
cis-1,2-Dichloroethene		5.22		1.00	ug/L	8260C
Vinyl chloride		2.08		1.00	ug/L	8260C

METHOD SUMMARY

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

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

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

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

METHOD / ANALYST SUMMARY

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Method	Analyst	Analyst ID
SW846 8260C	Goliszek, Gregory T	GTG
SW846 8260C	Man, Chi x	CxM

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: MW-6S

Lab Sample ID: 480-61593-1

Date Sampled: 06/10/2014 1300

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189279	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2570.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1401			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1401				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	7.77		0.820	1.00
1,1,2,2-Tetrachloroethane	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.230	U	0.230	1.00
1,1,2-Trichlorotrifluoroethane	0.310	U	0.310	1.00
1,1-Dichloroethane	223	E	0.380	1.00
1,1-Dichloroethene	4.82		0.290	1.00
1,2,4-Trichlorobenzene	0.410	U	0.410	1.00
1,2-Dibromo-3-Chloropropane	0.390	U	0.390	1.00
1,2-Dibromoethane (EDB)	0.730	U	0.730	1.00
1,2-Dichlorobenzene	0.790	U	0.790	1.00
1,2-Dichloroethane	0.210	U	0.210	1.00
1,2-Dichloroethene, Total	1.46	J	0.810	2.00
1,2-Dichloropropane	0.720	U	0.720	1.00
1,3-Dichlorobenzene	0.780	U	0.780	1.00
1,4-Dichlorobenzene	0.840	U	0.840	1.00
2-Butanone (MEK)	1.32	U	1.32	10.0
2-Hexanone	1.24	U	1.24	5.00
4-Methyl-2-pentanone (MIBK)	2.10	U	2.10	5.00
Acetone	3.00	U	3.00	10.0
Benzene	0.410	U	0.410	1.00
Bromodichloromethane	0.390	U	0.390	1.00
Bromoform	0.260	U	0.260	1.00
Bromomethane	0.690	U	0.690	1.00
Carbon disulfide	0.190	U	0.190	1.00
Carbon tetrachloride	0.270	U	0.270	1.00
Chlorobenzene	0.750	U	0.750	1.00
Chlorodibromomethane	0.320	U	0.320	1.00
Chloroethane	13.9		0.320	1.00
Chloroform	0.340	U	0.340	1.00
Chloromethane	0.350	U	0.350	1.00
cis-1,2-Dichloroethene	1.46		0.810	1.00
cis-1,3-Dichloropropene	0.360	U	0.360	1.00
Cyclohexane	0.180	U	0.180	1.00
Dichlorodifluoromethane	0.680	U	0.680	1.00
Ethylbenzene	0.740	U	0.740	1.00
Isopropylbenzene	0.790	U	0.790	1.00
Methyl acetate	0.500	U	0.500	1.00
Methyl tert-butyl ether	0.160	U	0.160	1.00
Methylcyclohexane	0.160	U	0.160	1.00
Methylene Chloride	0.440	U	0.440	1.00
Styrene	0.730	U	0.730	1.00
Tetrachloroethene	0.360	U	0.360	1.00
Toluene	0.510	U	0.510	1.00
trans-1,2-Dichloroethene	0.900	U	0.900	1.00
trans-1,3-Dichloropropene	0.370	U	0.370	1.00
Trichloroethene	0.503	J	0.460	1.00

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: MW-6S

Lab Sample ID: 480-61593-1

Date Sampled: 06/10/2014 1300

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189279	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2570.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1401			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1401				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.880	U	0.880	1.00
Vinyl chloride	0.900	U	0.900	1.00
Xylenes, Total	0.660	U	0.660	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	103		60 - 140
Toluene-d8 (Surr)	96		71 - 126

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: MW-6S

Lab Sample ID: 480-61593-1

Client Matrix: Water

Date Sampled: 06/10/2014 1300

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189394	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2603.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 0259	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 0259				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	9.27		3.28	4.00
1,1,2,2-Tetrachloroethane	0.840	U	0.840	4.00
1,1,2-Trichloroethane	0.920	U	0.920	4.00
1,1,2-Trichlorotrifluoroethane	1.24	U	1.24	4.00
1,1-Dichloroethane	252		1.52	4.00
1,1-Dichloroethene	5.78		1.16	4.00
1,2,4-Trichlorobenzene	1.64	U	1.64	4.00
1,2-Dibromo-3-Chloropropane	1.56	U	1.56	4.00
1,2-Dibromoethane (EDB)	2.92	U	2.92	4.00
1,2-Dichlorobenzene	3.16	U	3.16	4.00
1,2-Dichloroethane	0.840	U	0.840	4.00
1,2-Dichloroethene, Total	3.24	U	3.24	8.00
1,2-Dichloropropane	2.88	U	2.88	4.00
1,3-Dichlorobenzene	3.12	U	3.12	4.00
1,4-Dichlorobenzene	3.36	U	3.36	4.00
2-Butanone (MEK)	5.28	U	5.28	40.0
2-Hexanone	4.96	U	4.96	20.0
4-Methyl-2-pentanone (MIBK)	8.40	U	8.40	20.0
Acetone	12.0	U	12.0	40.0
Benzene	1.64	U	1.64	4.00
Bromodichloromethane	1.56	U	1.56	4.00
Bromoform	1.04	U	1.04	4.00
Bromomethane	2.76	U	2.76	4.00
Carbon disulfide	0.760	U	0.760	4.00
Carbon tetrachloride	1.08	U	1.08	4.00
Chlorobenzene	3.00	U	3.00	4.00
Chlorodibromomethane	1.28	U	1.28	4.00
Chloroethane	17.7		1.28	4.00
Chloroform	1.36	U	1.36	4.00
Chloromethane	1.40	U	1.40	4.00
cis-1,2-Dichloroethene	3.24	U	3.24	4.00
cis-1,3-Dichloropropene	1.44	U	1.44	4.00
Cyclohexane	0.720	U	0.720	4.00
Dichlorodifluoromethane	2.72	U	2.72	4.00
Ethylbenzene	2.96	U	2.96	4.00
Isopropylbenzene	3.16	U	3.16	4.00
Methyl acetate	2.00	U	2.00	4.00
Methyl tert-butyl ether	0.640	U	0.640	4.00
Methylcyclohexane	0.640	U	0.640	4.00
Methylene Chloride	1.76	U	1.76	4.00
Styrene	2.92	U	2.92	4.00
Tetrachloroethene	1.44	U	1.44	4.00
Toluene	2.04	U	2.04	4.00
trans-1,2-Dichloroethene	3.60	U	3.60	4.00
trans-1,3-Dichloropropene	1.48	U	1.48	4.00
Trichloroethene	1.84	U	1.84	4.00

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: MW-6S

Lab Sample ID: 480-61593-1

Date Sampled: 06/10/2014 1300

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189394	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2603.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 0259	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 0259				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	3.52	U	3.52	4.00
Vinyl chloride	3.60	U	3.60	4.00
Xylenes, Total	2.64	U	2.64	8.00

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 137
4-Bromofluorobenzene (Surr)	89		73 - 120
Dibromofluoromethane (Surr)	102		60 - 140
Toluene-d8 (Surr)	94		71 - 126

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: MW-6D

Lab Sample ID: 480-61593-2

Client Matrix: Water

Date Sampled: 06/10/2014 1315

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189279	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2571.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1425			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1425				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	158	E	0.820	1.00
1,1,2,2-Tetrachloroethane	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.230	U	0.230	1.00
1,1,2-Trichlorotrifluoroethane	0.310	U	0.310	1.00
1,1-Dichloroethane	2570	E	0.380	1.00
1,1-Dichloroethene	25.7		0.290	1.00
1,2,4-Trichlorobenzene	0.410	U	0.410	1.00
1,2-Dibromo-3-Chloropropane	0.390	U	0.390	1.00
1,2-Dibromoethane (EDB)	0.730	U	0.730	1.00
1,2-Dichlorobenzene	0.790	U	0.790	1.00
1,2-Dichloroethane	2.72		0.210	1.00
1,2-Dichloroethene, Total	11.1		0.810	2.00
1,2-Dichloropropane	0.720	U	0.720	1.00
1,3-Dichlorobenzene	0.780	U	0.780	1.00
1,4-Dichlorobenzene	0.840	U	0.840	1.00
2-Butanone (MEK)	1.32	U	1.32	10.0
2-Hexanone	1.24	U	1.24	5.00
4-Methyl-2-pentanone (MIBK)	2.10	U	2.10	5.00
Acetone	3.00	U	3.00	10.0
Benzene	0.410	U	0.410	1.00
Bromodichloromethane	0.390	U	0.390	1.00
Bromoform	0.260	U	0.260	1.00
Bromomethane	0.690	U	0.690	1.00
Carbon disulfide	0.190	U	0.190	1.00
Carbon tetrachloride	0.270	U	0.270	1.00
Chlorobenzene	0.750	U	0.750	1.00
Chlorodibromomethane	0.320	U	0.320	1.00
Chloroethane	529	E	0.320	1.00
Chloroform	0.340	U	0.340	1.00
Chloromethane	0.350	U	0.350	1.00
cis-1,2-Dichloroethene	11.1		0.810	1.00
cis-1,3-Dichloropropene	0.360	U	0.360	1.00
Cyclohexane	0.180	U	0.180	1.00
Dichlorodifluoromethane	0.680	U	0.680	1.00
Ethylbenzene	0.740	U	0.740	1.00
Isopropylbenzene	0.790	U	0.790	1.00
Methyl acetate	0.500	U	0.500	1.00
Methyl tert-butyl ether	0.687	J	0.160	1.00
Methylcyclohexane	0.160	U	0.160	1.00
Methylene Chloride	0.440	U	0.440	1.00
Styrene	0.730	U	0.730	1.00
Tetrachloroethene	0.360	U	0.360	1.00
Toluene	0.510	U	0.510	1.00
trans-1,2-Dichloroethene	0.900	U	0.900	1.00
trans-1,3-Dichloropropene	0.370	U	0.370	1.00
Trichloroethene	0.460	U	0.460	1.00

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: MW-6D

Lab Sample ID: 480-61593-2

Date Sampled: 06/10/2014 1315

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189279	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2571.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1425			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1425				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.880	U	0.880	1.00
Vinyl chloride	4.77		0.900	1.00
Xylenes, Total	0.660	U	0.660	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	104		60 - 140
Toluene-d8 (Surr)	95		71 - 126

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: MW-6D

Lab Sample ID: 480-61593-2

Date Sampled: 06/10/2014 1315

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189443	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2631.D
Dilution:	200			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 1415	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 1415				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	164	U	164	200
1,1,2,2-Tetrachloroethane	42.0	U	42.0	200
1,1,2-Trichloroethane	46.0	U	46.0	200
1,1,2-Trichlorotrifluoroethane	62.0	U	62.0	200
1,1-Dichloroethane	11800		76.0	200
1,1-Dichloroethene	58.0	U	58.0	200
1,2,4-Trichlorobenzene	82.0	U	82.0	200
1,2-Dibromo-3-Chloropropane	78.0	U	78.0	200
1,2-Dibromoethane (EDB)	146	U	146	200
1,2-Dichlorobenzene	158	U	158	200
1,2-Dichloroethane	42.0	U	42.0	200
1,2-Dichloroethene, Total	162	U	162	400
1,2-Dichloropropane	144	U	144	200
1,3-Dichlorobenzene	156	U	156	200
1,4-Dichlorobenzene	168	U	168	200
2-Butanone (MEK)	264	U	264	2000
2-Hexanone	248	U	248	1000
4-Methyl-2-pentanone (MIBK)	420	U	420	1000
Acetone	600	U	600	2000
Benzene	82.0	U	82.0	200
Bromodichloromethane	78.0	U	78.0	200
Bromoform	52.0	U	52.0	200
Bromomethane	138	U	138	200
Carbon disulfide	38.0	U	38.0	200
Carbon tetrachloride	54.0	U	54.0	200
Chlorobenzene	150	U	150	200
Chlorodibromomethane	64.0	U	64.0	200
Chloroethane	568		64.0	200
Chloroform	68.0	U	68.0	200
Chloromethane	70.0	U	70.0	200
cis-1,2-Dichloroethene	162	U	162	200
cis-1,3-Dichloropropene	72.0	U	72.0	200
Cyclohexane	36.0	U	36.0	200
Dichlorodifluoromethane	136	U	136	200
Ethylbenzene	148	U	148	200
Isopropylbenzene	158	U	158	200
Methyl acetate	100	U	100	200
Methyl tert-butyl ether	32.0	U	32.0	200
Methylcyclohexane	32.0	U	32.0	200
Methylene Chloride	88.0	U	88.0	200
Styrene	146	U	146	200
Tetrachloroethene	72.0	U	72.0	200
Toluene	102	U	102	200
trans-1,2-Dichloroethene	180	U	180	200
trans-1,3-Dichloropropene	74.0	U	74.0	200
Trichloroethene	92.0	U	92.0	200

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: MW-6D

Lab Sample ID: 480-61593-2

Date Sampled: 06/10/2014 1315

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189443	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2631.D
Dilution:	200			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 1415	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 1415				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	176	U	176	200
Vinyl chloride	180	U	180	200
Xylenes, Total	132	U	132	400

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	102		60 - 140
Toluene-d8 (Surr)	94		71 - 126

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: MW-7S

Lab Sample ID: 480-61593-3

Client Matrix: Water

Date Sampled: 06/10/2014 1330

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189443	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2632.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 1439			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 1439				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.820	U	0.820	1.00
1,1,2,2-Tetrachloroethane	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.230	U	0.230	1.00
1,1,2-Trichlorotrifluoroethane	0.310	U	0.310	1.00
1,1-Dichloroethane	0.380	U	0.380	1.00
1,1-Dichloroethene	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.410	U	0.410	1.00
1,2-Dibromo-3-Chloropropane	0.390	U	0.390	1.00
1,2-Dibromoethane (EDB)	0.730	U	0.730	1.00
1,2-Dichlorobenzene	0.790	U	0.790	1.00
1,2-Dichloroethane	0.210	U	0.210	1.00
1,2-Dichloroethene, Total	0.810	U	0.810	2.00
1,2-Dichloropropane	0.720	U	0.720	1.00
1,3-Dichlorobenzene	0.780	U	0.780	1.00
1,4-Dichlorobenzene	0.840	U	0.840	1.00
2-Butanone (MEK)	1.32	U	1.32	10.0
2-Hexanone	1.24	U	1.24	5.00
4-Methyl-2-pentanone (MIBK)	2.10	U	2.10	5.00
Acetone	3.00	U	3.00	10.0
Benzene	0.410	U	0.410	1.00
Bromodichloromethane	0.390	U	0.390	1.00
Bromoform	0.260	U	0.260	1.00
Bromomethane	0.690	U	0.690	1.00
Carbon disulfide	0.190	U	0.190	1.00
Carbon tetrachloride	0.270	U	0.270	1.00
Chlorobenzene	0.750	U	0.750	1.00
Chlorodibromomethane	0.320	U	0.320	1.00
Chloroethane	0.320	U	0.320	1.00
Chloroform	0.340	U	0.340	1.00
Chloromethane	0.350	U	0.350	1.00
cis-1,2-Dichloroethene	0.810	U	0.810	1.00
cis-1,3-Dichloropropene	0.360	U	0.360	1.00
Cyclohexane	0.180	U	0.180	1.00
Dichlorodifluoromethane	0.680	U	0.680	1.00
Ethylbenzene	0.740	U	0.740	1.00
Isopropylbenzene	0.790	U	0.790	1.00
Methyl acetate	0.500	U	0.500	1.00
Methyl tert-butyl ether	0.160	U	0.160	1.00
Methylcyclohexane	0.160	U	0.160	1.00
Methylene Chloride	0.440	U	0.440	1.00
Styrene	0.730	U	0.730	1.00
Tetrachloroethene	0.360	U	0.360	1.00
Toluene	0.510	U	0.510	1.00
trans-1,2-Dichloroethene	0.900	U	0.900	1.00
trans-1,3-Dichloropropene	0.370	U	0.370	1.00
Trichloroethene	0.460	U	0.460	1.00

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: MW-7S

Lab Sample ID: 480-61593-3

Date Sampled: 06/10/2014 1330

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189443	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2632.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 1439			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 1439				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.880	U	0.880	1.00
Vinyl chloride	0.900	U	0.900	1.00
Xylenes, Total	0.660	U	0.660	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 137
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	101		60 - 140
Toluene-d8 (Surr)	96		71 - 126

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: MW-7D

Lab Sample ID: 480-61593-4

Date Sampled: 06/10/2014 1345

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189279	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2573.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1513			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1513				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.820	U	0.820	1.00
1,1,2,2-Tetrachloroethane	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.230	U	0.230	1.00
1,1,2-Trichlorotrifluoroethane	0.310	U	0.310	1.00
1,1-Dichloroethane	0.380	U	0.380	1.00
1,1-Dichloroethene	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.410	U	0.410	1.00
1,2-Dibromo-3-Chloropropane	0.390	U	0.390	1.00
1,2-Dibromoethane (EDB)	0.730	U	0.730	1.00
1,2-Dichlorobenzene	0.790	U	0.790	1.00
1,2-Dichloroethane	0.210	U	0.210	1.00
1,2-Dichloroethene, Total	0.810	U	0.810	2.00
1,2-Dichloropropane	0.720	U	0.720	1.00
1,3-Dichlorobenzene	0.780	U	0.780	1.00
1,4-Dichlorobenzene	0.840	U	0.840	1.00
2-Butanone (MEK)	1.32	U	1.32	10.0
2-Hexanone	1.24	U	1.24	5.00
4-Methyl-2-pentanone (MIBK)	2.10	U	2.10	5.00
Acetone	3.00	U	3.00	10.0
Benzene	0.410	U	0.410	1.00
Bromodichloromethane	0.390	U	0.390	1.00
Bromoform	0.260	U	0.260	1.00
Bromomethane	0.690	U	0.690	1.00
Carbon disulfide	0.190	U	0.190	1.00
Carbon tetrachloride	0.270	U	0.270	1.00
Chlorobenzene	0.750	U	0.750	1.00
Chlorodibromomethane	0.320	U	0.320	1.00
Chloroethane	0.320	U	0.320	1.00
Chloroform	0.340	U	0.340	1.00
Chloromethane	0.350	U	0.350	1.00
cis-1,2-Dichloroethene	0.810	U	0.810	1.00
cis-1,3-Dichloropropene	0.360	U	0.360	1.00
Cyclohexane	0.180	U	0.180	1.00
Dichlorodifluoromethane	0.680	U	0.680	1.00
Ethylbenzene	0.740	U	0.740	1.00
Isopropylbenzene	0.790	U	0.790	1.00
Methyl acetate	0.500	U	0.500	1.00
Methyl tert-butyl ether	0.160	U	0.160	1.00
Methylcyclohexane	0.160	U	0.160	1.00
Methylene Chloride	0.440	U	0.440	1.00
Styrene	0.730	U	0.730	1.00
Tetrachloroethene	0.360	U	0.360	1.00
Toluene	0.510	U	0.510	1.00
trans-1,2-Dichloroethene	0.900	U	0.900	1.00
trans-1,3-Dichloropropene	0.370	U	0.370	1.00
Trichloroethene	0.460	U	0.460	1.00

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: MW-7D

Lab Sample ID: 480-61593-4

Date Sampled: 06/10/2014 1345

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189279	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2573.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1513			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1513				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.880	U	0.880	1.00
Vinyl chloride	0.900	U	0.900	1.00
Xylenes, Total	0.660	U	0.660	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	98		60 - 140
Toluene-d8 (Surr)	99		71 - 126

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: RW-01

Lab Sample ID: 480-61593-5

Date Sampled: 06/10/2014 1400

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189279	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2574.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1536			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1536				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.820	U	0.820	1.00
1,1,2,2-Tetrachloroethane	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.230	U	0.230	1.00
1,1,2-Trichlorotrifluoroethane	0.310	U	0.310	1.00
1,1-Dichloroethane	0.715	J	0.380	1.00
1,1-Dichloroethene	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.410	U	0.410	1.00
1,2-Dibromo-3-Chloropropane	0.390	U	0.390	1.00
1,2-Dibromoethane (EDB)	0.730	U	0.730	1.00
1,2-Dichlorobenzene	0.790	U	0.790	1.00
1,2-Dichloroethane	0.210	U	0.210	1.00
1,2-Dichloroethene, Total	3.92		0.810	2.00
1,2-Dichloropropane	0.720	U	0.720	1.00
1,3-Dichlorobenzene	0.780	U	0.780	1.00
1,4-Dichlorobenzene	0.840	U	0.840	1.00
2-Butanone (MEK)	1.32	U	1.32	10.0
2-Hexanone	1.24	U	1.24	5.00
4-Methyl-2-pentanone (MIBK)	2.10	U	2.10	5.00
Acetone	3.00	U	3.00	10.0
Benzene	0.410	U	0.410	1.00
Bromodichloromethane	0.390	U	0.390	1.00
Bromoform	0.260	U	0.260	1.00
Bromomethane	0.690	U	0.690	1.00
Carbon disulfide	0.190	U	0.190	1.00
Carbon tetrachloride	0.270	U	0.270	1.00
Chlorobenzene	0.750	U	0.750	1.00
Chlorodibromomethane	0.320	U	0.320	1.00
Chloroethane	0.320	U	0.320	1.00
Chloroform	0.340	U	0.340	1.00
Chloromethane	0.350	U	0.350	1.00
cis-1,2-Dichloroethene	3.92		0.810	1.00
cis-1,3-Dichloropropene	0.360	U	0.360	1.00
Cyclohexane	0.180	U	0.180	1.00
Dichlorodifluoromethane	0.680	U	0.680	1.00
Ethylbenzene	0.740	U	0.740	1.00
Isopropylbenzene	0.790	U	0.790	1.00
Methyl acetate	0.500	U	0.500	1.00
Methyl tert-butyl ether	0.160	U	0.160	1.00
Methylcyclohexane	0.160	U	0.160	1.00
Methylene Chloride	0.440	U	0.440	1.00
Styrene	0.730	U	0.730	1.00
Tetrachloroethene	0.360	U	0.360	1.00
Toluene	0.510	U	0.510	1.00
trans-1,2-Dichloroethene	0.900	U	0.900	1.00
trans-1,3-Dichloropropene	0.370	U	0.370	1.00
Trichloroethene	0.460	U	0.460	1.00

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: RW-01

Lab Sample ID: 480-61593-5

Date Sampled: 06/10/2014 1400

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189279	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2574.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1536			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1536				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.880	U	0.880	1.00
Vinyl chloride	0.900	U	0.900	1.00
Xylenes, Total	0.660	U	0.660	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Dibromofluoromethane (Surr)	100		60 - 140
Toluene-d8 (Surr)	93		71 - 126

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: RW-01-FD

Lab Sample ID: 480-61593-6

Date Sampled: 06/10/2014 1405

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189279	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2575.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1600			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1600				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.820	U	0.820	1.00
1,1,2,2-Tetrachloroethane	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.230	U	0.230	1.00
1,1,2-Trichlorotrifluoroethane	0.310	U	0.310	1.00
1,1-Dichloroethane	1.04		0.380	1.00
1,1-Dichloroethene	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.410	U	0.410	1.00
1,2-Dibromo-3-Chloropropane	0.390	U	0.390	1.00
1,2-Dibromoethane (EDB)	0.730	U	0.730	1.00
1,2-Dichlorobenzene	0.790	U	0.790	1.00
1,2-Dichloroethane	0.210	U	0.210	1.00
1,2-Dichloroethene, Total	5.22		0.810	2.00
1,2-Dichloropropane	0.720	U	0.720	1.00
1,3-Dichlorobenzene	0.780	U	0.780	1.00
1,4-Dichlorobenzene	0.840	U	0.840	1.00
2-Butanone (MEK)	1.32	U	1.32	10.0
2-Hexanone	1.24	U	1.24	5.00
4-Methyl-2-pentanone (MIBK)	2.10	U	2.10	5.00
Acetone	3.00	U	3.00	10.0
Benzene	0.410	U	0.410	1.00
Bromodichloromethane	0.390	U	0.390	1.00
Bromoform	0.260	U	0.260	1.00
Bromomethane	0.690	U	0.690	1.00
Carbon disulfide	0.190	U	0.190	1.00
Carbon tetrachloride	0.270	U	0.270	1.00
Chlorobenzene	0.750	U	0.750	1.00
Chlorodibromomethane	0.320	U	0.320	1.00
Chloroethane	0.320	U	0.320	1.00
Chloroform	0.340	U	0.340	1.00
Chloromethane	0.350	U	0.350	1.00
cis-1,2-Dichloroethene	5.22		0.810	1.00
cis-1,3-Dichloropropene	0.360	U	0.360	1.00
Cyclohexane	0.180	U	0.180	1.00
Dichlorodifluoromethane	0.680	U	0.680	1.00
Ethylbenzene	0.740	U	0.740	1.00
Isopropylbenzene	0.790	U	0.790	1.00
Methyl acetate	0.500	U	0.500	1.00
Methyl tert-butyl ether	0.160	U	0.160	1.00
Methylcyclohexane	0.160	U	0.160	1.00
Methylene Chloride	0.440	U	0.440	1.00
Styrene	0.730	U	0.730	1.00
Tetrachloroethene	0.360	U	0.360	1.00
Toluene	0.510	U	0.510	1.00
trans-1,2-Dichloroethene	0.900	U	0.900	1.00
trans-1,3-Dichloropropene	0.370	U	0.370	1.00
Trichloroethene	0.460	U	0.460	1.00

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: RW-01-FD

Lab Sample ID: 480-61593-6

Date Sampled: 06/10/2014 1405

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189279	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2575.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1600			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1600				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.880	U	0.880	1.00
Vinyl chloride	2.08		0.900	1.00
Xylenes, Total	0.660	U	0.660	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	98		60 - 140
Toluene-d8 (Surr)	95		71 - 126

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: TB-01

Lab Sample ID: 480-61593-7TB

Date Sampled: 06/10/2014 0000

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189279	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2576.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1624			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1624				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.820	U	0.820	1.00
1,1,2,2-Tetrachloroethane	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.230	U	0.230	1.00
1,1,2-Trichlorotrifluoroethane	0.310	U	0.310	1.00
1,1-Dichloroethane	0.380	U	0.380	1.00
1,1-Dichloroethene	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.410	U	0.410	1.00
1,2-Dibromo-3-Chloropropane	0.390	U	0.390	1.00
1,2-Dibromoethane (EDB)	0.730	U	0.730	1.00
1,2-Dichlorobenzene	0.790	U	0.790	1.00
1,2-Dichloroethane	0.210	U	0.210	1.00
1,2-Dichloroethene, Total	0.810	U	0.810	2.00
1,2-Dichloropropane	0.720	U	0.720	1.00
1,3-Dichlorobenzene	0.780	U	0.780	1.00
1,4-Dichlorobenzene	0.840	U	0.840	1.00
2-Butanone (MEK)	1.32	U	1.32	10.0
2-Hexanone	1.24	U	1.24	5.00
4-Methyl-2-pentanone (MIBK)	2.10	U	2.10	5.00
Acetone	3.00	U	3.00	10.0
Benzene	0.410	U	0.410	1.00
Bromodichloromethane	0.390	U	0.390	1.00
Bromoform	0.260	U	0.260	1.00
Bromomethane	0.690	U	0.690	1.00
Carbon disulfide	0.190	U	0.190	1.00
Carbon tetrachloride	0.270	U	0.270	1.00
Chlorobenzene	0.750	U	0.750	1.00
Chlorodibromomethane	0.320	U	0.320	1.00
Chloroethane	0.320	U	0.320	1.00
Chloroform	0.340	U	0.340	1.00
Chloromethane	0.350	U	0.350	1.00
cis-1,2-Dichloroethene	0.810	U	0.810	1.00
cis-1,3-Dichloropropene	0.360	U	0.360	1.00
Cyclohexane	0.180	U	0.180	1.00
Dichlorodifluoromethane	0.680	U	0.680	1.00
Ethylbenzene	0.740	U	0.740	1.00
Isopropylbenzene	0.790	U	0.790	1.00
Methyl acetate	0.500	U	0.500	1.00
Methyl tert-butyl ether	0.160	U	0.160	1.00
Methylcyclohexane	0.160	U	0.160	1.00
Methylene Chloride	0.440	U	0.440	1.00
Styrene	0.730	U	0.730	1.00
Tetrachloroethene	0.360	U	0.360	1.00
Toluene	0.510	U	0.510	1.00
trans-1,2-Dichloroethene	0.900	U	0.900	1.00
trans-1,3-Dichloropropene	0.370	U	0.370	1.00
Trichloroethene	0.460	U	0.460	1.00

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Client Sample ID: TB-01

Lab Sample ID: 480-61593-7TB

Date Sampled: 06/10/2014 0000

Client Matrix: Water

Date Received: 06/10/2014 1710

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-189279	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2576.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1624			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1624				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.880	U	0.880	1.00
Vinyl chloride	0.900	U	0.900	1.00
Xylenes, Total	0.660	U	0.660	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	99		60 - 140
Toluene-d8 (Surr)	98		71 - 126

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

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

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
480-61593-1	MW-6S	103	98	96	95
480-61593-1 DL	MW-6S DL	102	99	94	89
480-61593-2	MW-6D	104	96	95	93
480-61593-2 DL	MW-6D DL	102	98	94	94
480-61593-3	MW-7S	101	99	96	94
480-61593-4	MW-7D	98	96	99	95
480-61593-5	RW-01	100	98	93	91
480-61593-6	RW-01-FD	98	98	95	93
480-61593-7	TB-01	99	96	98	95
MB 480-189279/8		99	96	98	96
MB 480-189394/8		99	97	99	96
MB 480-189443/8		103	101	97	90
LCS 480-189279/31		101	98	100	101
LCS 480-189394/4		103	95	99	98
LCS 480-189443/4		103	96	99	99
480-61593-1 MS	MW-6S MS MS	103	95	101	100
480-61593-2 MS	MW-6D MS	103	96	99	99
480-61593-1 MSD	MW-6S MSD MSD	100	96	98	102
480-61593-2 MSD	MW-6D MSD	100	97	98	100

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

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Method Blank - Batch: 480-189279

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 480-189279/8
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/23/2014 1329
Prep Date: 06/23/2014 1329
Leach Date: N/A

Analysis Batch: 480-189279
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5975T
Lab File ID: T2569.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.820	U	0.820	1.00
1,1,2,2-Tetrachloroethane	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.230	U	0.230	1.00
1,1,2-Trichlorotrifluoroethane	0.310	U	0.310	1.00
1,1-Dichloroethane	0.380	U	0.380	1.00
1,1-Dichloroethene	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.410	U	0.410	1.00
1,2-Dibromo-3-Chloropropane	0.390	U	0.390	1.00
1,2-Dibromoethane (EDB)	0.730	U	0.730	1.00
1,2-Dichlorobenzene	0.790	U	0.790	1.00
1,2-Dichloroethane	0.210	U	0.210	1.00
1,2-Dichloroethene, Total	0.810	U	0.810	2.00
1,2-Dichloropropane	0.720	U	0.720	1.00
1,3-Dichlorobenzene	0.780	U	0.780	1.00
1,4-Dichlorobenzene	0.840	U	0.840	1.00
2-Butanone (MEK)	1.32	U	1.32	10.0
2-Hexanone	1.24	U	1.24	5.00
4-Methyl-2-pentanone (MIBK)	2.10	U	2.10	5.00
Acetone	3.00	U	3.00	10.0
Benzene	0.410	U	0.410	1.00
Bromodichloromethane	0.390	U	0.390	1.00
Bromoform	0.260	U	0.260	1.00
Bromomethane	0.690	U	0.690	1.00
Carbon disulfide	0.190	U	0.190	1.00
Carbon tetrachloride	0.270	U	0.270	1.00
Chlorobenzene	0.750	U	0.750	1.00
Chlorodibromomethane	0.320	U	0.320	1.00
Chloroethane	0.320	U	0.320	1.00
Chloroform	0.340	U	0.340	1.00
Chloromethane	0.350	U	0.350	1.00
cis-1,2-Dichloroethene	0.810	U	0.810	1.00
cis-1,3-Dichloropropene	0.360	U	0.360	1.00
Cyclohexane	0.180	U	0.180	1.00
Dichlorodifluoromethane	0.680	U	0.680	1.00
Ethylbenzene	0.740	U	0.740	1.00
Isopropylbenzene	0.790	U	0.790	1.00
Methyl acetate	0.500	U	0.500	1.00
Methyl tert-butyl ether	0.160	U	0.160	1.00
Methylcyclohexane	0.160	U	0.160	1.00
Methylene Chloride	0.440	U	0.440	1.00
Styrene	0.730	U	0.730	1.00
Tetrachloroethene	0.360	U	0.360	1.00
Toluene	0.510	U	0.510	1.00
trans-1,2-Dichloroethene	0.900	U	0.900	1.00
trans-1,3-Dichloropropene	0.370	U	0.370	1.00

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Method Blank - Batch: 480-189279

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 480-189279/8
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/23/2014 1329
Prep Date: 06/23/2014 1329
Leach Date: N/A

Analysis Batch: 480-189279
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5975T
Lab File ID: T2569.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Trichloroethene	0.460	U	0.460	1.00
Trichlorofluoromethane	0.880	U	0.880	1.00
Vinyl chloride	0.900	U	0.900	1.00
Xylenes, Total	0.660	U	0.660	2.00

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

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Lab Control Sample - Batch: 480-189279

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 480-189279/31
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/23/2014 1224
Prep Date: 06/23/2014 1224
Leach Date: N/A

Analysis Batch: 480-189279
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5975T
Lab File ID: T2566.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	25.0	25.23	101	73 - 126	
1,1,2,2-Tetrachloroethane	25.0	23.48	94	70 - 126	
1,1,2-Trichloroethane	25.0	23.97	96	76 - 122	
1,1,2-Trichlorotrifluoroethane	25.0	22.53	90	52 - 148	
1,1-Dichloroethane	25.0	25.50	102	71 - 129	
1,1-Dichloroethene	25.0	23.98	96	58 - 121	
1,2,4-Trichlorobenzene	25.0	24.90	100	70 - 122	
1,2-Dibromo-3-Chloropropane	25.0	19.62	78	56 - 134	
1,2-Dibromoethane (EDB)	25.0	24.26	97	77 - 120	
1,2-Dichlorobenzene	25.0	25.67	103	80 - 124	
1,2-Dichloroethane	25.0	24.43	98	75 - 127	
1,2-Dichloropropane	25.0	25.23	101	76 - 120	
1,3-Dichlorobenzene	25.0	25.90	104	77 - 120	
1,4-Dichlorobenzene	25.0	25.09	100	75 - 120	
2-Butanone (MEK)	125	107.4	86	57 - 140	
2-Hexanone	125	116.4	93	65 - 127	
4-Methyl-2-pentanone (MIBK)	125	113.7	91	71 - 125	
Acetone	125	114.6	92	56 - 142	
Benzene	25.0	25.33	101	71 - 124	
Bromodichloromethane	25.0	23.77	95	80 - 122	
Bromoform	25.0	22.12	88	52 - 132	
Bromomethane	25.0	32.99	132	55 - 144	
Carbon disulfide	25.0	23.34	93	59 - 134	
Carbon tetrachloride	25.0	23.82	95	72 - 134	
Chlorobenzene	25.0	25.67	103	72 - 120	
Chlorodibromomethane	25.0	23.02	92	75 - 125	
Chloroethane	25.0	23.87	95	69 - 136	
Chloroform	25.0	25.27	101	73 - 127	
Chloromethane	25.0	23.01	92	68 - 124	
cis-1,2-Dichloroethene	25.0	25.36	101	74 - 124	
cis-1,3-Dichloropropene	25.0	24.40	98	74 - 124	
Cyclohexane	25.0	23.00	92	59 - 135	
Dichlorodifluoromethane	25.0	19.42	78	59 - 135	
Ethylbenzene	25.0	25.18	101	77 - 123	
Isopropylbenzene	25.0	25.26	101	77 - 122	
Methyl acetate	125	109.9	88	74 - 133	
Methyl tert-butyl ether	25.0	24.11	96	64 - 127	
Methylcyclohexane	25.0	22.84	91	61 - 138	
Methylene Chloride	25.0	26.89	108	57 - 132	
Styrene	25.0	26.12	104	70 - 130	
Tetrachloroethene	25.0	24.00	96	74 - 122	
Toluene	25.0	25.39	102	80 - 122	
trans-1,2-Dichloroethene	25.0	26.07	104	73 - 127	
trans-1,3-Dichloropropene	25.0	24.36	97	72 - 123	
Trichloroethene	25.0	24.69	99	74 - 123	
Trichlorofluoromethane	25.0	23.50	94	62 - 152	

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Lab Control Sample - Batch: 480-189279

Method: 8260C

Preparation: 5030C

Lab Sample ID:	LCS 480-189279/31	Analysis Batch:	480-189279	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T2566.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1224	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1224				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl chloride	25.0	21.63	87	65 - 133	
Xylenes, Total	50.0	51.09	102	76 - 122	
Surrogate	% Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		
4-Bromofluorobenzene (Surr)	101		73 - 120		
Dibromofluoromethane (Surr)	101		60 - 140		
Toluene-d8 (Surr)	100		71 - 126		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Method Blank - Batch: 480-189394

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 480-189394/8
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/24/2014 0109
Prep Date: 06/24/2014 0109
Leach Date: N/A

Analysis Batch: 480-189394
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5975T
Lab File ID: T2598.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.820	U	0.820	1.00
1,1,2,2-Tetrachloroethane	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.230	U	0.230	1.00
1,1,2-Trichlorotrifluoroethane	0.310	U	0.310	1.00
1,1-Dichloroethane	0.380	U	0.380	1.00
1,1-Dichloroethene	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.410	U	0.410	1.00
1,2-Dibromo-3-Chloropropane	0.390	U	0.390	1.00
1,2-Dibromoethane (EDB)	0.730	U	0.730	1.00
1,2-Dichlorobenzene	0.790	U	0.790	1.00
1,2-Dichloroethane	0.210	U	0.210	1.00
1,2-Dichloroethene, Total	0.810	U	0.810	2.00
1,2-Dichloropropane	0.720	U	0.720	1.00
1,3-Dichlorobenzene	0.780	U	0.780	1.00
1,4-Dichlorobenzene	0.840	U	0.840	1.00
2-Butanone (MEK)	1.32	U	1.32	10.0
2-Hexanone	1.24	U	1.24	5.00
4-Methyl-2-pentanone (MIBK)	2.10	U	2.10	5.00
Acetone	3.00	U	3.00	10.0
Benzene	0.410	U	0.410	1.00
Bromodichloromethane	0.390	U	0.390	1.00
Bromoform	0.260	U	0.260	1.00
Bromomethane	0.690	U	0.690	1.00
Carbon disulfide	0.190	U	0.190	1.00
Carbon tetrachloride	0.270	U	0.270	1.00
Chlorobenzene	0.750	U	0.750	1.00
Chlorodibromomethane	0.320	U	0.320	1.00
Chloroethane	0.320	U	0.320	1.00
Chloroform	0.340	U	0.340	1.00
Chloromethane	0.350	U	0.350	1.00
cis-1,2-Dichloroethene	0.810	U	0.810	1.00
cis-1,3-Dichloropropene	0.360	U	0.360	1.00
Cyclohexane	0.180	U	0.180	1.00
Dichlorodifluoromethane	0.680	U	0.680	1.00
Ethylbenzene	0.740	U	0.740	1.00
Isopropylbenzene	0.790	U	0.790	1.00
Methyl acetate	0.500	U	0.500	1.00
Methyl tert-butyl ether	0.160	U	0.160	1.00
Methylcyclohexane	0.160	U	0.160	1.00
Methylene Chloride	0.440	U	0.440	1.00
Styrene	0.730	U	0.730	1.00
Tetrachloroethene	0.360	U	0.360	1.00
Toluene	0.510	U	0.510	1.00
trans-1,2-Dichloroethene	0.900	U	0.900	1.00
trans-1,3-Dichloropropene	0.370	U	0.370	1.00

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Method Blank - Batch: 480-189394

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 480-189394/8
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/24/2014 0109
Prep Date: 06/24/2014 0109
Leach Date: N/A

Analysis Batch: 480-189394
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5975T
Lab File ID: T2598.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Trichloroethene	0.460	U	0.460	1.00
Trichlorofluoromethane	0.880	U	0.880	1.00
Vinyl chloride	0.900	U	0.900	1.00
Xylenes, Total	0.660	U	0.660	2.00

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

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Lab Control Sample - Batch: 480-189394

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 480-189394/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/23/2014 2358
Prep Date: 06/23/2014 2358
Leach Date: N/A

Analysis Batch: 480-189394
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5975T
Lab File ID: T2595.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	25.0	26.01	104	73 - 126	
1,1,2,2-Tetrachloroethane	25.0	22.55	90	70 - 126	
1,1,2-Trichloroethane	25.0	22.98	92	76 - 122	
1,1,2-Trichlorotrifluoroethane	25.0	25.85	103	52 - 148	
1,1-Dichloroethane	25.0	26.07	104	71 - 129	
1,1-Dichloroethene	25.0	24.84	99	58 - 121	
1,2,4-Trichlorobenzene	25.0	23.21	93	70 - 122	
1,2-Dibromo-3-Chloropropane	25.0	20.19	81	56 - 134	
1,2-Dibromoethane (EDB)	25.0	24.04	96	77 - 120	
1,2-Dichlorobenzene	25.0	24.04	96	80 - 124	
1,2-Dichloroethane	25.0	24.46	98	75 - 127	
1,2-Dichloropropane	25.0	24.84	99	76 - 120	
1,3-Dichlorobenzene	25.0	24.41	98	77 - 120	
1,4-Dichlorobenzene	25.0	24.28	97	75 - 120	
2-Butanone (MEK)	125	108.6	87	57 - 140	
2-Hexanone	125	108.9	87	65 - 127	
4-Methyl-2-pentanone (MIBK)	125	109.1	87	71 - 125	
Acetone	125	113.4	91	56 - 142	
Benzene	25.0	24.68	99	71 - 124	
Bromodichloromethane	25.0	25.11	100	80 - 122	
Bromoform	25.0	22.67	91	52 - 132	
Bromomethane	25.0	31.64	127	55 - 144	
Carbon disulfide	25.0	25.18	101	59 - 134	
Carbon tetrachloride	25.0	26.11	104	72 - 134	
Chlorobenzene	25.0	24.73	99	72 - 120	
Chlorodibromomethane	25.0	23.50	94	75 - 125	
Chloroethane	25.0	24.44	98	69 - 136	
Chloroform	25.0	25.46	102	73 - 127	
Chloromethane	25.0	23.87	95	68 - 124	
cis-1,2-Dichloroethene	25.0	25.86	103	74 - 124	
cis-1,3-Dichloropropene	25.0	24.88	100	74 - 124	
Cyclohexane	25.0	25.38	102	59 - 135	
Dichlorodifluoromethane	25.0	21.18	85	59 - 135	
Ethylbenzene	25.0	24.63	99	77 - 123	
Isopropylbenzene	25.0	24.49	98	77 - 122	
Methyl acetate	125	112.2	90	74 - 133	
Methyl tert-butyl ether	25.0	24.08	96	64 - 127	
Methylcyclohexane	25.0	25.31	101	61 - 138	
Methylene Chloride	25.0	29.05	116	57 - 132	
Styrene	25.0	24.90	100	70 - 130	
Tetrachloroethene	25.0	23.96	96	74 - 122	
Toluene	25.0	24.27	97	80 - 122	
trans-1,2-Dichloroethene	25.0	26.26	105	73 - 127	
trans-1,3-Dichloropropene	25.0	23.55	94	72 - 123	
Trichloroethene	25.0	23.79	95	74 - 123	
Trichlorofluoromethane	25.0	24.80	99	62 - 152	

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Lab Control Sample - Batch: 480-189394

Method: 8260C

Preparation: 5030C

Lab Sample ID:	LCS 480-189394/4	Analysis Batch:	480-189394	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T2595.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 2358	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 2358				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl chloride	25.0	22.31	89	65 - 133	
Xylenes, Total	50.0	49.14	98	76 - 122	
Surrogate	% Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	95		66 - 137		
4-Bromofluorobenzene (Surr)	98		73 - 120		
Dibromofluoromethane (Surr)	103		60 - 140		
Toluene-d8 (Surr)	99		71 - 126		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 480-189394

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	480-61593-1	Analysis Batch:	480-189394	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T2617.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 0832			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 0832				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-61593-1	Analysis Batch:	480-189394	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T2618.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 0856			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 0856				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	125	121	73 - 126	3	15		
1,1,2,2-Tetrachloroethane	92	91	70 - 126	0	15		
1,1,2-Trichloroethane	94	92	76 - 122	2	15		
1,1,2-Trichlorotrifluoroethane	103	98	52 - 148	5	20		
1,1-Dichloroethane	426	412	71 - 129	2	20	E F1	E F1
1,1-Dichloroethene	109	105	58 - 121	4	16		
1,2,4-Trichlorobenzene	88	89	70 - 122	0	20		
1,2-Dibromo-3-Chloropropane	80	83	56 - 134	3	15		
1,2-Dibromoethane (EDB)	96	94	77 - 120	2	15		
1,2-Dichlorobenzene	95	92	80 - 124	4	20		
1,2-Dichloroethane	97	92	75 - 127	4	20		
1,2-Dichloropropane	95	94	76 - 120	1	20		
1,3-Dichlorobenzene	96	93	77 - 120	3	20		
1,4-Dichlorobenzene	94	92	75 - 120	3	20		
2-Butanone (MEK)	82	81	57 - 140	1	20		
2-Hexanone	90	88	65 - 127	2	15		
4-Methyl-2-pentanone (MIBK)	90	88	71 - 125	3	35		
Acetone	81	80	56 - 142	1	15		
Benzene	96	94	71 - 124	2	13		
Bromodichloromethane	97	94	80 - 122	2	15		
Bromoform	90	90	52 - 132	0	15		
Bromomethane	157	135	55 - 144	15	15	F1	
Carbon disulfide	93	90	59 - 134	3	15		
Carbon tetrachloride	100	98	72 - 134	2	15		
Chlorobenzene	98	97	72 - 120	1	25		
Chlorodibromomethane	96	92	75 - 125	4	15		
Chloroethane	136	125	69 - 136	8	15		
Chloroform	98	95	73 - 127	3	20		
Chloromethane	92	91	68 - 124	2	15		
cis-1,2-Dichloroethene	101	100	74 - 124	0	15		
cis-1,3-Dichloropropene	91	89	74 - 124	2	15		
Cyclohexane	99	95	59 - 135	4	20		
Dichlorodifluoromethane	80	79	59 - 135	1	20		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-189394**

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

MS Lab Sample ID:	480-61593-1	Analysis Batch:	480-189394	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T2617.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 0832			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 0832				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-61593-1	Analysis Batch:	480-189394	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T2618.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 0856			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 0856				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ethylbenzene	97	94	77 - 123	3	15		
Isopropylbenzene	94	94	77 - 122	1	20		
Methyl acetate	83	83	74 - 133	0	20		
Methyl tert-butyl ether	90	90	64 - 127	0	37		
Methylcyclohexane	98	94	61 - 138	4	20		
Methylene Chloride	105	103	57 - 132	1	15		
Styrene	100	99	70 - 130	1	20		
Tetrachloroethene	98	91	74 - 122	7	20		
Toluene	100	95	80 - 122	5	15		
trans-1,2-Dichloroethene	101	97	73 - 127	5	20		
trans-1,3-Dichloropropene	93	89	72 - 123	5	15		
Trichloroethene	96	91	74 - 123	5	16		
Trichlorofluoromethane	108	101	62 - 152	7	20		
Vinyl chloride	92	88	65 - 133	4	15		
Xylenes, Total	98	94	76 - 122	4	16		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	96	66 - 137
4-Bromofluorobenzene (Surr)	100	102	73 - 120
Dibromofluoromethane (Surr)	103	100	60 - 140
Toluene-d8 (Surr)	101	98	71 - 126

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 480-189394

Method: 8260C
Preparation: 5030C

MS Lab Sample ID: 480-61593-1 Units: ug/L
Client Matrix: Water
Dilution: 4.0
Analysis Date: 06/24/2014 0832
Prep Date: 06/24/2014 0832
Leach Date: N/A

MSD Lab Sample ID: 480-61593-1
Client Matrix: Water
Dilution: 4.0
Analysis Date: 06/24/2014 0856
Prep Date: 06/24/2014 0856
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	9.27	100	100	134.1	130.6
1,1,2,2-Tetrachloroethane	0.840 U	100	100	91.57	91.50
1,1,2-Trichloroethane	0.920 U	100	100	93.93	91.67
1,1,2-Trichlorotrifluoroethane	1.24 U	100	100	102.7	97.53
1,1-Dichloroethane	252	100	100	678.3 E F1	664.5 E F1
1,1-Dichloroethene	5.78	100	100	115.0	110.3
1,2,4-Trichlorobenzene	1.64 U	100	100	88.31	88.56
1,2-Dibromo-3-Chloropropane	1.56 U	100	100	80.30	82.51
1,2-Dibromoethane (EDB)	2.92 U	100	100	95.72	94.15
1,2-Dichlorobenzene	3.16 U	100	100	95.39	91.78
1,2-Dichloroethane	0.840 U	100	100	96.66	92.45
1,2-Dichloropropane	2.88 U	100	100	94.78	93.79
1,3-Dichlorobenzene	3.12 U	100	100	95.68	93.23
1,4-Dichlorobenzene	3.36 U	100	100	94.08	91.61
2-Butanone (MEK)	5.28 U	500	500	409.1	403.6
2-Hexanone	4.96 U	500	500	450.0	441.8
4-Methyl-2-pentanone (MIBK)	8.40 U	500	500	451.4	439.6
Acetone	12.0 U	500	500	404.8	400.4
Benzene	1.64 U	100	100	96.07	94.04
Bromodichloromethane	1.56 U	100	100	96.53	94.36
Bromoform	1.04 U	100	100	89.99	90.12
Bromomethane	2.76 U	100	100	157.3 F1	135.4
Carbon disulfide	0.760 U	100	100	93.20	90.44
Carbon tetrachloride	1.08 U	100	100	100.3	98.01
Chlorobenzene	3.00 U	100	100	97.91	96.97
Chlorodibromomethane	1.28 U	100	100	95.68	92.11
Chloroethane	17.7	100	100	153.6	142.5
Chloroform	1.36 U	100	100	97.90	95.02
Chloromethane	1.40 U	100	100	92.48	90.88
cis-1,2-Dichloroethene	3.24 U	100	100	100.7	100.4
cis-1,3-Dichloropropene	1.44 U	100	100	90.77	88.67
Cyclohexane	0.720 U	100	100	98.71	94.76
Dichlorodifluoromethane	2.72 U	100	100	79.62	79.01
Ethylbenzene	2.96 U	100	100	97.01	93.68
Isopropylbenzene	3.16 U	100	100	94.23	93.70
Methyl acetate	2.00 U	500	500	414.9	413.3
Methyl tert-butyl ether	0.640 U	100	100	90.26	90.47
Methylcyclohexane	0.640 U	100	100	98.07	94.11
Methylene Chloride	1.76 U	100	100	104.6	103.1
Styrene	2.92 U	100	100	100.3	98.81
Tetrachloroethene	1.44 U	100	100	97.57	90.56
Toluene	2.04 U	100	100	99.76	94.65
trans-1,2-Dichloroethene	3.60 U	100	100	101.1	96.63

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-189394**

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

MS Lab Sample ID: 480-61593-1 Units: ug/L
Client Matrix: Water
Dilution: 4.0
Analysis Date: 06/24/2014 0832
Prep Date: 06/24/2014 0832
Leach Date: N/A

MSD Lab Sample ID: 480-61593-1
Client Matrix: Water
Dilution: 4.0
Analysis Date: 06/24/2014 0856
Prep Date: 06/24/2014 0856
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
trans-1,3-Dichloropropene	1.48	U	100	100	92.96	88.79
Trichloroethene	1.84	U	100	100	95.58	91.27
Trichlorofluoromethane	3.52	U	100	100	108.2	100.7
Vinyl chloride	3.60	U	100	100	91.96	88.13
Xylenes, Total	2.64	U	200	200	196.0	188.9

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Method Blank - Batch: 480-189443

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 480-189443/8
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/24/2014 1342
Prep Date: 06/24/2014 1342
Leach Date: N/A

Analysis Batch: 480-189443
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5975T
Lab File ID: T2630.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.820	U	0.820	1.00
1,1,2,2-Tetrachloroethane	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.230	U	0.230	1.00
1,1,2-Trichlorotrifluoroethane	0.310	U	0.310	1.00
1,1-Dichloroethane	0.380	U	0.380	1.00
1,1-Dichloroethene	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.410	U	0.410	1.00
1,2-Dibromo-3-Chloropropane	0.390	U	0.390	1.00
1,2-Dibromoethane (EDB)	0.730	U	0.730	1.00
1,2-Dichlorobenzene	0.790	U	0.790	1.00
1,2-Dichloroethane	0.210	U	0.210	1.00
1,2-Dichloroethene, Total	0.810	U	0.810	2.00
1,2-Dichloropropane	0.720	U	0.720	1.00
1,3-Dichlorobenzene	0.780	U	0.780	1.00
1,4-Dichlorobenzene	0.840	U	0.840	1.00
2-Butanone (MEK)	1.32	U	1.32	10.0
2-Hexanone	1.24	U	1.24	5.00
4-Methyl-2-pentanone (MIBK)	2.10	U	2.10	5.00
Acetone	3.00	U	3.00	10.0
Benzene	0.410	U	0.410	1.00
Bromodichloromethane	0.390	U	0.390	1.00
Bromoform	0.260	U	0.260	1.00
Bromomethane	0.690	U	0.690	1.00
Carbon disulfide	0.190	U	0.190	1.00
Carbon tetrachloride	0.270	U	0.270	1.00
Chlorobenzene	0.750	U	0.750	1.00
Chlorodibromomethane	0.320	U	0.320	1.00
Chloroethane	0.320	U	0.320	1.00
Chloroform	0.340	U	0.340	1.00
Chloromethane	0.350	U	0.350	1.00
cis-1,2-Dichloroethene	0.810	U	0.810	1.00
cis-1,3-Dichloropropene	0.360	U	0.360	1.00
Cyclohexane	0.180	U	0.180	1.00
Dichlorodifluoromethane	0.680	U	0.680	1.00
Ethylbenzene	0.740	U	0.740	1.00
Isopropylbenzene	0.790	U	0.790	1.00
Methyl acetate	0.500	U	0.500	1.00
Methyl tert-butyl ether	0.160	U	0.160	1.00
Methylcyclohexane	0.160	U	0.160	1.00
Methylene Chloride	0.440	U	0.440	1.00
Styrene	0.730	U	0.730	1.00
Tetrachloroethene	0.360	U	0.360	1.00
Toluene	0.510	U	0.510	1.00
trans-1,2-Dichloroethene	0.900	U	0.900	1.00
trans-1,3-Dichloropropene	0.370	U	0.370	1.00

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Method Blank - Batch: 480-189443

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 480-189443/8
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/24/2014 1342
Prep Date: 06/24/2014 1342
Leach Date: N/A

Analysis Batch: 480-189443
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5975T
Lab File ID: T2630.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Trichloroethene	0.460	U	0.460	1.00
Trichlorofluoromethane	0.880	U	0.880	1.00
Vinyl chloride	0.900	U	0.900	1.00
Xylenes, Total	0.660	U	0.660	2.00

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	66 - 137
4-Bromofluorobenzene (Surr)	90	73 - 120
Dibromofluoromethane (Surr)	103	60 - 140
Toluene-d8 (Surr)	97	71 - 126

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Lab Control Sample - Batch: 480-189443

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 480-189443/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/24/2014 1223
Prep Date: 06/24/2014 1223
Leach Date: N/A

Analysis Batch: 480-189443
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5975T
Lab File ID: T2627.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	25.0	28.81	115	73 - 126	
1,1,2,2-Tetrachloroethane	25.0	25.33	101	70 - 126	
1,1,2-Trichloroethane	25.0	25.57	102	76 - 122	
1,1,2-Trichlorotrifluoroethane	25.0	28.71	115	52 - 148	
1,1-Dichloroethane	25.0	28.55	114	71 - 129	
1,1-Dichloroethene	25.0	28.07	112	58 - 121	
1,2,4-Trichlorobenzene	25.0	25.63	103	70 - 122	
1,2-Dibromo-3-Chloropropane	25.0	20.69	83	56 - 134	
1,2-Dibromoethane (EDB)	25.0	25.91	104	77 - 120	
1,2-Dichlorobenzene	25.0	26.60	106	80 - 124	
1,2-Dichloroethane	25.0	26.25	105	75 - 127	
1,2-Dichloropropane	25.0	26.92	108	76 - 120	
1,3-Dichlorobenzene	25.0	26.95	108	77 - 120	
1,4-Dichlorobenzene	25.0	26.51	106	75 - 120	
2-Butanone (MEK)	125	119.8	96	57 - 140	
2-Hexanone	125	118.2	95	65 - 127	
4-Methyl-2-pentanone (MIBK)	125	119.5	96	71 - 125	
Acetone	125	125.1	100	56 - 142	
Benzene	25.0	26.86	107	71 - 124	
Bromodichloromethane	25.0	26.14	105	80 - 122	
Bromoform	25.0	23.40	94	52 - 132	
Bromomethane	25.0	35.00	140	55 - 144	
Carbon disulfide	25.0	27.64	111	59 - 134	
Carbon tetrachloride	25.0	28.03	112	72 - 134	
Chlorobenzene	25.0	26.83	107	72 - 120	
Chlorodibromomethane	25.0	24.90	100	75 - 125	
Chloroethane	25.0	25.75	103	69 - 136	
Chloroform	25.0	27.50	110	73 - 127	
Chloromethane	25.0	24.14	97	68 - 124	
cis-1,2-Dichloroethene	25.0	28.11	112	74 - 124	
cis-1,3-Dichloropropene	25.0	26.18	105	74 - 124	
Cyclohexane	25.0	27.63	111	59 - 135	
Dichlorodifluoromethane	25.0	19.85	79	59 - 135	
Ethylbenzene	25.0	27.29	109	77 - 123	
Isopropylbenzene	25.0	27.28	109	77 - 122	
Methyl acetate	125	120.4	96	74 - 133	
Methyl tert-butyl ether	25.0	26.17	105	64 - 127	
Methylcyclohexane	25.0	27.72	111	61 - 138	
Methylene Chloride	25.0	29.58	118	57 - 132	
Styrene	25.0	27.64	111	70 - 130	
Tetrachloroethene	25.0	26.31	105	74 - 122	
Toluene	25.0	26.59	106	80 - 122	
trans-1,2-Dichloroethene	25.0	28.65	115	73 - 127	
trans-1,3-Dichloropropene	25.0	25.79	103	72 - 123	
Trichloroethene	25.0	26.92	108	74 - 123	
Trichlorofluoromethane	25.0	27.61	110	62 - 152	

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Lab Control Sample - Batch: 480-189443

Method: 8260C

Preparation: 5030C

Lab Sample ID:	LCS 480-189443/4	Analysis Batch:	480-189443	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T2627.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 1223	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 1223				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl chloride	25.0	22.90	92	65 - 133	
Xylenes, Total	50.0	53.69	107	76 - 122	
Surrogate	% Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		
4-Bromofluorobenzene (Surr)	99		73 - 120		
Dibromofluoromethane (Surr)	103		60 - 140		
Toluene-d8 (Surr)	99		71 - 126		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 480-189443

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	480-61593-2	Analysis Batch:	480-189443	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T2651.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 2212			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 2212				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-61593-2	Analysis Batch:	480-189443	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T2652.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 2235			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 2235				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	110	108	73 - 126	2	15		
1,1,2,2-Tetrachloroethane	100	99	70 - 126	2	15		
1,1,2-Trichloroethane	102	99	76 - 122	4	15		
1,1,2-Trichlorotrifluoroethane	107	103	52 - 148	4	20		
1,1-Dichloroethane	86	84	71 - 129	0	20		
1,1-Dichloroethene	109	108	58 - 121	1	16		
1,2,4-Trichlorobenzene	101	96	70 - 122	5	20		
1,2-Dibromo-3-Chloropropane	84	85	56 - 134	1	15		
1,2-Dibromoethane (EDB)	101	101	77 - 120	0	15		
1,2-Dichlorobenzene	106	102	80 - 124	4	20		
1,2-Dichloroethane	103	103	75 - 127	0	20		
1,2-Dichloropropane	105	103	76 - 120	1	20		
1,3-Dichlorobenzene	105	103	77 - 120	2	20		
1,4-Dichlorobenzene	101	102	75 - 120	1	20		
2-Butanone (MEK)	92	91	57 - 140	0	20		
2-Hexanone	94	92	65 - 127	2	15		
4-Methyl-2-pentanone (MIBK)	94	94	71 - 125	0	35		
Acetone	89	89	56 - 142	0	15		
Benzene	105	104	71 - 124	1	13		
Bromodichloromethane	102	102	80 - 122	1	15		
Bromoform	94	91	52 - 132	3	15		
Bromomethane	150	151	55 - 144	1	15	F1	F1
Carbon disulfide	107	104	59 - 134	3	15		
Carbon tetrachloride	104	104	72 - 134	1	15		
Chlorobenzene	104	103	72 - 120	2	25		
Chlorodibromomethane	99	94	75 - 125	5	15		
Chloroethane	106	103	69 - 136	3	15		
Chloroform	108	108	73 - 127	0	20		
Chloromethane	86	89	68 - 124	4	15		
cis-1,2-Dichloroethene	107	106	74 - 124	2	15		
cis-1,3-Dichloropropene	101	97	74 - 124	4	15		
Cyclohexane	103	100	59 - 135	3	20		
Dichlorodifluoromethane	71	70	59 - 135	1	20		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-189443**

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

MS Lab Sample ID:	480-61593-2	Analysis Batch:	480-189443	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T2651.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 2212			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 2212				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-61593-2	Analysis Batch:	480-189443	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T2652.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2014 2235			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 2235				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ethylbenzene	103	102	77 - 123	1	15		
Isopropylbenzene	104	101	77 - 122	3	20		
Methyl acetate	95	95	74 - 133	1	20		
Methyl tert-butyl ether	101	102	64 - 127	1	37		
Methylcyclohexane	101	98	61 - 138	3	20		
Methylene Chloride	118	116	57 - 132	1	15		
Styrene	109	107	70 - 130	2	20		
Tetrachloroethene	99	95	74 - 122	4	20		
Toluene	105	101	80 - 122	3	15		
trans-1,2-Dichloroethene	106	109	73 - 127	2	20		
trans-1,3-Dichloropropene	97	95	72 - 123	2	15		
Trichloroethene	101	102	74 - 123	0	16		
Trichlorofluoromethane	104	105	62 - 152	1	20		
Vinyl chloride	89	86	65 - 133	3	15		
Xylenes, Total	104	102	76 - 122	2	16		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	97	66 - 137
4-Bromofluorobenzene (Surr)	99	100	73 - 120
Dibromofluoromethane (Surr)	103	100	60 - 140
Toluene-d8 (Surr)	99	98	71 - 126

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 480-189443

Method: 8260C
Preparation: 5030C

MS Lab Sample ID: 480-61593-2 Units: ug/L
Client Matrix: Water
Dilution: 200
Analysis Date: 06/24/2014 2212
Prep Date: 06/24/2014 2212
Leach Date: N/A

MSD Lab Sample ID: 480-61593-2
Client Matrix: Water
Dilution: 200
Analysis Date: 06/24/2014 2235
Prep Date: 06/24/2014 2235
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	164 U	5000	5000	5521	5412
1,1,2,2-Tetrachloroethane	42.0 U	5000	5000	5015	4926
1,1,2-Trichloroethane	46.0 U	5000	5000	5116	4931
1,1,2-Trichlorotrifluoroethane	62.0 U	5000	5000	5336	5146
1,1-Dichloroethane	11800	5000	5000	16040	15970
1,1-Dichloroethene	58.0 U	5000	5000	5471	5415
1,2,4-Trichlorobenzene	82.0 U	5000	5000	5029	4781
1,2-Dibromo-3-Chloropropane	78.0 U	5000	5000	4222	4245
1,2-Dibromoethane (EDB)	146 U	5000	5000	5069	5052
1,2-Dichlorobenzene	158 U	5000	5000	5306	5103
1,2-Dichloroethane	42.0 U	5000	5000	5141	5131
1,2-Dichloropropane	144 U	5000	5000	5238	5160
1,3-Dichlorobenzene	156 U	5000	5000	5228	5147
1,4-Dichlorobenzene	168 U	5000	5000	5061	5093
2-Butanone (MEK)	264 U	25000	25000	22910	22830
2-Hexanone	248 U	25000	25000	23500	22960
4-Methyl-2-pentanone (MIBK)	420 U	25000	25000	23510	23420
Acetone	600 U	25000	25000	22270	22180
Benzene	82.0 U	5000	5000	5274	5220
Bromodichloromethane	78.0 U	5000	5000	5104	5078
Bromoform	52.0 U	5000	5000	4696	4557
Bromomethane	138 U	5000	5000	7480 F1	7554 F1
Carbon disulfide	38.0 U	5000	5000	5353	5179
Carbon tetrachloride	54.0 U	5000	5000	5221	5184
Chlorobenzene	150 U	5000	5000	5224	5126
Chlorodibromomethane	64.0 U	5000	5000	4942	4683
Chloroethane	568	5000	5000	5867	5717
Chloroform	68.0 U	5000	5000	5387	5384
Chloromethane	70.0 U	5000	5000	4280	4451
cis-1,2-Dichloroethene	162 U	5000	5000	5373	5285
cis-1,3-Dichloropropene	72.0 U	5000	5000	5048	4868
Cyclohexane	36.0 U	5000	5000	5157	5011
Dichlorodifluoromethane	136 U	5000	5000	3548	3508
Ethylbenzene	148 U	5000	5000	5149	5121
Isopropylbenzene	158 U	5000	5000	5185	5055
Methyl acetate	100 U	25000	25000	23830	23630
Methyl tert-butyl ether	32.0 U	5000	5000	5040	5078
Methylcyclohexane	32.0 U	5000	5000	5065	4895
Methylene Chloride	88.0 U	5000	5000	5895	5813
Styrene	146 U	5000	5000	5472	5363
Tetrachloroethene	72.0 U	5000	5000	4925	4734
Toluene	102 U	5000	5000	5236	5067
trans-1,2-Dichloroethene	180 U	5000	5000	5315	5440

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-189443**

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

MS Lab Sample ID: 480-61593-2 Units: ug/L
Client Matrix: Water
Dilution: 200
Analysis Date: 06/24/2014 2212
Prep Date: 06/24/2014 2212
Leach Date: N/A

MSD Lab Sample ID: 480-61593-2
Client Matrix: Water
Dilution: 200
Analysis Date: 06/24/2014 2235
Prep Date: 06/24/2014 2235
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
trans-1,3-Dichloropropene	74.0	U	5000	5000	4834	4753
Trichloroethene	92.0	U	5000	5000	5074	5083
Trichlorofluoromethane	176	U	5000	5000	5201	5246
Vinyl chloride	180	U	5000	5000	4431	4288
Xylenes, Total	132	U	10000	10000	10380	10220

DATA REPORTING QUALIFIERS

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Lab Section	Qualifier	Description
GC/MS VOA	U	Indicates the analyte was analyzed for but not detected.
	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.

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-189279					
LCS 480-189279/31	Lab Control Sample	T	Water	8260C	
MB 480-189279/8	Method Blank	T	Water	8260C	
480-61593-1	MW-6S	T	Water	8260C	
480-61593-2	MW-6D	T	Water	8260C	
480-61593-4	MW-7D	T	Water	8260C	
480-61593-5	RW-01	T	Water	8260C	
480-61593-6	RW-01-FD	T	Water	8260C	
480-61593-7TB	TB-01	T	Water	8260C	
Analysis Batch:480-189394					
LCS 480-189394/4	Lab Control Sample	T	Water	8260C	
MB 480-189394/8	Method Blank	T	Water	8260C	
480-61593-1DL	MW-6S	T	Water	8260C	
480-61593-1MS	Matrix Spike	T	Water	8260C	
480-61593-1MSD	Matrix Spike Duplicate	T	Water	8260C	
Analysis Batch:480-189443					
LCS 480-189443/4	Lab Control Sample	T	Water	8260C	
MB 480-189443/8	Method Blank	T	Water	8260C	
480-61593-2DL	MW-6D	T	Water	8260C	
480-61593-2MS	Matrix Spike	T	Water	8260C	
480-61593-2MSD	Matrix Spike Duplicate	T	Water	8260C	
480-61593-3	MW-7S	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Laboratory Chronicle

Lab ID: 480-61593-1

Client ID: MW-6S

Sample Date/Time: 06/10/2014 13:00

Received Date/Time: 06/10/2014 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-61593-A-1		480-189279		06/23/2014 14:01	1	TAL BUF	GTG
A:8260C	480-61593-A-1		480-189279		06/23/2014 14:01	1	TAL BUF	GTG
P:5030C	480-61593-B-1	DL	480-189394		06/24/2014 02:59	4	TAL BUF	CxM
A:8260C	480-61593-B-1	DL	480-189394		06/24/2014 02:59	4	TAL BUF	CxM

Lab ID: 480-61593-1

Client ID: MW-6S MS

Sample Date/Time: 06/10/2014 13:00

Received Date/Time: 06/10/2014 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-61593-B-1 MS		480-189394		06/24/2014 08:32	4	TAL BUF	CxM
A:8260C	480-61593-B-1 MS		480-189394		06/24/2014 08:32	4	TAL BUF	CxM

Lab ID: 480-61593-1

Client ID: MW-6S MSD

Sample Date/Time: 06/10/2014 13:00

Received Date/Time: 06/10/2014 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-61593-B-1 MSD		480-189394		06/24/2014 08:56	4	TAL BUF	CxM
A:8260C	480-61593-B-1 MSD		480-189394		06/24/2014 08:56	4	TAL BUF	CxM

Lab ID: 480-61593-2

Client ID: MW-6D

Sample Date/Time: 06/10/2014 13:15

Received Date/Time: 06/10/2014 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-61593-A-2		480-189279		06/23/2014 14:25	1	TAL BUF	GTG
A:8260C	480-61593-A-2		480-189279		06/23/2014 14:25	1	TAL BUF	GTG
P:5030C	480-61593-C-2	DL	480-189443		06/24/2014 14:15	200	TAL BUF	CxM
A:8260C	480-61593-C-2	DL	480-189443		06/24/2014 14:15	200	TAL BUF	CxM

Lab ID: 480-61593-2 MS

Client ID: MW-6D

Sample Date/Time: 06/10/2014 13:15

Received Date/Time: 06/10/2014 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-61593-C-2 MS		480-189443		06/24/2014 22:12	200	TAL BUF	CxM
A:8260C	480-61593-C-2 MS		480-189443		06/24/2014 22:12	200	TAL BUF	CxM

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Laboratory Chronicle

Lab ID: 480-61593-2 MSD

Client ID: MW-6D

Sample Date/Time: 06/10/2014 13:15

Received Date/Time: 06/10/2014 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-61593-C-2 MSD		480-189443		06/24/2014 22:35	200	TAL BUF	CxM
A:8260C	480-61593-C-2 MSD		480-189443		06/24/2014 22:35	200	TAL BUF	CxM

Lab ID: 480-61593-3

Client ID: MW-7S

Sample Date/Time: 06/10/2014 13:30

Received Date/Time: 06/10/2014 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-61593-B-3		480-189443		06/24/2014 14:39	1	TAL BUF	CxM
A:8260C	480-61593-B-3		480-189443		06/24/2014 14:39	1	TAL BUF	CxM

Lab ID: 480-61593-4

Client ID: MW-7D

Sample Date/Time: 06/10/2014 13:45

Received Date/Time: 06/10/2014 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-61593-A-4		480-189279		06/23/2014 15:13	1	TAL BUF	GTG
A:8260C	480-61593-A-4		480-189279		06/23/2014 15:13	1	TAL BUF	GTG

Lab ID: 480-61593-5

Client ID: RW-01

Sample Date/Time: 06/10/2014 14:00

Received Date/Time: 06/10/2014 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-61593-A-5		480-189279		06/23/2014 15:36	1	TAL BUF	GTG
A:8260C	480-61593-A-5		480-189279		06/23/2014 15:36	1	TAL BUF	GTG

Lab ID: 480-61593-6

Client ID: RW-01-FD

Sample Date/Time: 06/10/2014 14:05

Received Date/Time: 06/10/2014 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-61593-A-6		480-189279		06/23/2014 16:00	1	TAL BUF	GTG
A:8260C	480-61593-A-6		480-189279		06/23/2014 16:00	1	TAL BUF	GTG

Lab ID: 480-61593-7

Client ID: TB-01

Sample Date/Time: 06/10/2014 00:00

Received Date/Time: 06/10/2014 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-61593-A-7		480-189279		06/23/2014 16:24	1	TAL BUF	GTG
A:8260C	480-61593-A-7		480-189279		06/23/2014 16:24	1	TAL BUF	GTG

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	MB 480-189279/8		480-189279		06/23/2014 13:29	1	TAL BUF	GTG
A:8260C	MB 480-189279/8		480-189279		06/23/2014 13:29	1	TAL BUF	GTG
P:5030C	MB 480-189394/8		480-189394		06/24/2014 01:09	1	TAL BUF	CxM
A:8260C	MB 480-189394/8		480-189394		06/24/2014 01:09	1	TAL BUF	CxM
P:5030C	MB 480-189443/8		480-189443		06/24/2014 13:42	1	TAL BUF	CxM
A:8260C	MB 480-189443/8		480-189443		06/24/2014 13:42	1	TAL BUF	CxM

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	LCS 480-189279/31		480-189279		06/23/2014 12:24	1	TAL BUF	GTG
A:8260C	LCS 480-189279/31		480-189279		06/23/2014 12:24	1	TAL BUF	GTG
P:5030C	LCS 480-189394/4		480-189394		06/23/2014 23:58	1	TAL BUF	CxM
A:8260C	LCS 480-189394/4		480-189394		06/23/2014 23:58	1	TAL BUF	CxM
P:5030C	LCS 480-189443/4		480-189443		06/24/2014 12:23	1	TAL BUF	CxM
A:8260C	LCS 480-189443/4		480-189443		06/24/2014 12:23	1	TAL BUF	CxM

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

Client: CH2M Hill, Inc.
Project/Site: Dowell - Depew Site

TestAmerica Job ID: 480-61593-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	State Program	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky (DW)	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP	1	2337
TestAmerica Buffalo	New Hampshire	NELAP	1	2973
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-6S	480-61593-1	103	98	96	95
MW-6S DL	480-61593-1 DL	102	99	94	89
MW-6D	480-61593-2	104	96	95	93
MW-6D DL	480-61593-2 DL	102	98	94	94
MW-7S	480-61593-3	101	99	96	94
MW-7D	480-61593-4	98	96	99	95
RW-01	480-61593-5	100	98	93	91
RW-01-FD	480-61593-6	98	98	95	93
TB-01	480-61593-7	99	96	98	95
	MB 480-189279/8	99	96	98	96
	MB 480-189394/8	99	97	99	96
	MB 480-189443/8	103	101	97	90
	LCS 480-189279/31	101	98	100	101
	LCS 480-189394/4	103	95	99	98
	LCS 480-189443/4	103	96	99	99
MW-6S MS MS	480-61593-1 MS	103	95	101	100
MW-6D MS	480-61593-2 MS	103	96	99	99
MW-6S MSD MSD	480-61593-1 MSD	100	96	98	102
MW-6D MSD	480-61593-2 MSD	100	97	98	100

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

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T2566.D
 Lab ID: LCS 480-189279/31 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.23	101	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.48	94	70-126	
1,1,2-Trichloroethane	25.0	23.97	96	76-122	
1,1,2-Trichlorotrifluoroethane	25.0	22.53	90	52-148	
1,1-Dichloroethane	25.0	25.50	102	71-129	
1,1-Dichloroethene	25.0	23.98	96	58-121	
1,2,4-Trichlorobenzene	25.0	24.90	100	70-122	
1,2-Dibromo-3-Chloropropane	25.0	19.62	78	56-134	
1,2-Dibromoethane (EDB)	25.0	24.26	97	77-120	
1,2-Dichlorobenzene	25.0	25.67	103	80-124	
1,2-Dichloroethane	25.0	24.43	98	75-127	
1,2-Dichloropropane	25.0	25.23	101	76-120	
1,3-Dichlorobenzene	25.0	25.90	104	77-120	
1,4-Dichlorobenzene	25.0	25.09	100	75-120	
2-Butanone (MEK)	125	107.4	86	57-140	
2-Hexanone	125	116.4	93	65-127	
4-Methyl-2-pentanone (MIBK)	125	113.7	91	71-125	
Acetone	125	114.6	92	56-142	
Benzene	25.0	25.33	101	71-124	
Bromodichloromethane	25.0	23.77	95	80-122	
Bromoform	25.0	22.12	88	52-132	
Bromomethane	25.0	32.99	132	55-144	
Carbon disulfide	25.0	23.34	93	59-134	
Carbon tetrachloride	25.0	23.82	95	72-134	
Chlorobenzene	25.0	25.67	103	72-120	
Chlorodibromomethane	25.0	23.02	92	75-125	
Chloroethane	25.0	23.87	95	69-136	
Chloroform	25.0	25.27	101	73-127	
Chloromethane	25.0	23.01	92	68-124	
cis-1,2-Dichloroethene	25.0	25.36	101	74-124	
cis-1,3-Dichloropropene	25.0	24.40	98	74-124	
Cyclohexane	25.0	23.00	92	59-135	
Dichlorodifluoromethane	25.0	19.42	78	59-135	
Ethylbenzene	25.0	25.18	101	77-123	
Isopropylbenzene	25.0	25.26	101	77-122	
Methyl acetate	125	109.9	88	74-133	
Methyl tert-butyl ether	25.0	24.11	96	64-127	
Methylcyclohexane	25.0	22.84	91	61-138	
Methylene Chloride	25.0	26.89	108	57-132	
Styrene	25.0	26.12	104	70-130	
Tetrachloroethene	25.0	24.00	96	74-122	
Toluene	25.0	25.39	102	80-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: T2566.D
Lab ID: LCS 480-189279/31 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
trans-1,2-Dichloroethene	25.0	26.07	104	73-127	
trans-1,3-Dichloropropene	25.0	24.36	97	72-123	
Trichloroethene	25.0	24.69	99	74-123	
Trichlorofluoromethane	25.0	23.50	94	62-152	
Vinyl chloride	25.0	21.63	87	65-133	
Xylenes, Total	50.0	51.09	102	76-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T2595.D
 Lab ID: LCS 480-189394/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.01	104	73-126	
1,1,2,2-Tetrachloroethane	25.0	22.55	90	70-126	
1,1,2-Trichloroethane	25.0	22.98	92	76-122	
1,1,2-Trichlorotrifluoroethane	25.0	25.85	103	52-148	
1,1-Dichloroethane	25.0	26.07	104	71-129	
1,1-Dichloroethene	25.0	24.84	99	58-121	
1,2,4-Trichlorobenzene	25.0	23.21	93	70-122	
1,2-Dibromo-3-Chloropropane	25.0	20.19	81	56-134	
1,2-Dibromoethane (EDB)	25.0	24.04	96	77-120	
1,2-Dichlorobenzene	25.0	24.04	96	80-124	
1,2-Dichloroethane	25.0	24.46	98	75-127	
1,2-Dichloropropane	25.0	24.84	99	76-120	
1,3-Dichlorobenzene	25.0	24.41	98	77-120	
1,4-Dichlorobenzene	25.0	24.28	97	75-120	
2-Butanone (MEK)	125	108.6	87	57-140	
2-Hexanone	125	108.9	87	65-127	
4-Methyl-2-pentanone (MIBK)	125	109.1	87	71-125	
Acetone	125	113.4	91	56-142	
Benzene	25.0	24.68	99	71-124	
Bromodichloromethane	25.0	25.11	100	80-122	
Bromoform	25.0	22.67	91	52-132	
Bromomethane	25.0	31.64	127	55-144	
Carbon disulfide	25.0	25.18	101	59-134	
Carbon tetrachloride	25.0	26.11	104	72-134	
Chlorobenzene	25.0	24.73	99	72-120	
Chlorodibromomethane	25.0	23.50	94	75-125	
Chloroethane	25.0	24.44	98	69-136	
Chloroform	25.0	25.46	102	73-127	
Chloromethane	25.0	23.87	95	68-124	
cis-1,2-Dichloroethene	25.0	25.86	103	74-124	
cis-1,3-Dichloropropene	25.0	24.88	100	74-124	
Cyclohexane	25.0	25.38	102	59-135	
Dichlorodifluoromethane	25.0	21.18	85	59-135	
Ethylbenzene	25.0	24.63	99	77-123	
Isopropylbenzene	25.0	24.49	98	77-122	
Methyl acetate	125	112.2	90	74-133	
Methyl tert-butyl ether	25.0	24.08	96	64-127	
Methylcyclohexane	25.0	25.31	101	61-138	
Methylene Chloride	25.0	29.05	116	57-132	
Styrene	25.0	24.90	100	70-130	
Tetrachloroethene	25.0	23.96	96	74-122	
Toluene	25.0	24.27	97	80-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: T2595.D
Lab ID: LCS 480-189394/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
trans-1,2-Dichloroethene	25.0	26.26	105	73-127	
trans-1,3-Dichloropropene	25.0	23.55	94	72-123	
Trichloroethene	25.0	23.79	95	74-123	
Trichlorofluoromethane	25.0	24.80	99	62-152	
Vinyl chloride	25.0	22.31	89	65-133	
Xylenes, Total	50.0	49.14	98	76-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T2627.D
 Lab ID: LCS 480-189443/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	28.81	115	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.33	101	70-126	
1,1,2-Trichloroethane	25.0	25.57	102	76-122	
1,1,2-Trichlorotrifluoroethane	25.0	28.71	115	52-148	
1,1-Dichloroethane	25.0	28.55	114	71-129	
1,1-Dichloroethene	25.0	28.07	112	58-121	
1,2,4-Trichlorobenzene	25.0	25.63	103	70-122	
1,2-Dibromo-3-Chloropropane	25.0	20.69	83	56-134	
1,2-Dibromoethane (EDB)	25.0	25.91	104	77-120	
1,2-Dichlorobenzene	25.0	26.60	106	80-124	
1,2-Dichloroethane	25.0	26.25	105	75-127	
1,2-Dichloropropane	25.0	26.92	108	76-120	
1,3-Dichlorobenzene	25.0	26.95	108	77-120	
1,4-Dichlorobenzene	25.0	26.51	106	75-120	
2-Butanone (MEK)	125	119.8	96	57-140	
2-Hexanone	125	118.2	95	65-127	
4-Methyl-2-pentanone (MIBK)	125	119.5	96	71-125	
Acetone	125	125.1	100	56-142	
Benzene	25.0	26.86	107	71-124	
Bromodichloromethane	25.0	26.14	105	80-122	
Bromoform	25.0	23.40	94	52-132	
Bromomethane	25.0	35.00	140	55-144	
Carbon disulfide	25.0	27.64	111	59-134	
Carbon tetrachloride	25.0	28.03	112	72-134	
Chlorobenzene	25.0	26.83	107	72-120	
Chlorodibromomethane	25.0	24.90	100	75-125	
Chloroethane	25.0	25.75	103	69-136	
Chloroform	25.0	27.50	110	73-127	
Chloromethane	25.0	24.14	97	68-124	
cis-1,2-Dichloroethene	25.0	28.11	112	74-124	
cis-1,3-Dichloropropene	25.0	26.18	105	74-124	
Cyclohexane	25.0	27.63	111	59-135	
Dichlorodifluoromethane	25.0	19.85	79	59-135	
Ethylbenzene	25.0	27.29	109	77-123	
Isopropylbenzene	25.0	27.28	109	77-122	
Methyl acetate	125	120.4	96	74-133	
Methyl tert-butyl ether	25.0	26.17	105	64-127	
Methylcyclohexane	25.0	27.72	111	61-138	
Methylene Chloride	25.0	29.58	118	57-132	
Styrene	25.0	27.64	111	70-130	
Tetrachloroethene	25.0	26.31	105	74-122	
Toluene	25.0	26.59	106	80-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: T2627.D
Lab ID: LCS 480-189443/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
trans-1,2-Dichloroethene	25.0	28.65	115	73-127	
trans-1,3-Dichloropropene	25.0	25.79	103	72-123	
Trichloroethene	25.0	26.92	108	74-123	
Trichlorofluoromethane	25.0	27.61	110	62-152	
Vinyl chloride	25.0	22.90	92	65-133	
Xylenes, Total	50.0	53.69	107	76-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T2617.D
 Lab ID: 480-61593-1 MS Client ID: MW-6S MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	100	9.27	134.1	125	73-126	
1,1,2,2-Tetrachloroethane	100	0.840 U	91.57	92	70-126	
1,1,2-Trichloroethane	100	0.920 U	93.93	94	76-122	
1,1,2-Trichlorotrifluoroethane	100	1.24 U	102.7	103	52-148	
1,1-Dichloroethane	100	252	678.3	426	71-129	E F1
1,1-Dichloroethene	100	5.78	115.0	109	58-121	
1,2,4-Trichlorobenzene	100	1.64 U	88.31	88	70-122	
1,2-Dibromo-3-Chloropropane	100	1.56 U	80.30	80	56-134	
1,2-Dibromoethane (EDB)	100	2.92 U	95.72	96	77-120	
1,2-Dichlorobenzene	100	3.16 U	95.39	95	80-124	
1,2-Dichloroethane	100	0.840 U	96.66	97	75-127	
1,2-Dichloropropane	100	2.88 U	94.78	95	76-120	
1,3-Dichlorobenzene	100	3.12 U	95.68	96	77-120	
1,4-Dichlorobenzene	100	3.36 U	94.08	94	75-120	
2-Butanone (MEK)	500	5.28 U	409.1	82	57-140	
2-Hexanone	500	4.96 U	450.0	90	65-127	
4-Methyl-2-pentanone (MIBK)	500	8.40 U	451.4	90	71-125	
Acetone	500	12.0 U	404.8	81	56-142	
Benzene	100	1.64 U	96.07	96	71-124	
Bromodichloromethane	100	1.56 U	96.53	97	80-122	
Bromoform	100	1.04 U	89.99	90	52-132	
Bromomethane	100	2.76 U	157.3	157	55-144	F1
Carbon disulfide	100	0.760 U	93.20	93	59-134	
Carbon tetrachloride	100	1.08 U	100.3	100	72-134	
Chlorobenzene	100	3.00 U	97.91	98	72-120	
Chlorodibromomethane	100	1.28 U	95.68	96	75-125	
Chloroethane	100	17.7	153.6	136	69-136	
Chloroform	100	1.36 U	97.90	98	73-127	
Chloromethane	100	1.40 U	92.48	92	68-124	
cis-1,2-Dichloroethene	100	3.24 U	100.7	101	74-124	
cis-1,3-Dichloropropene	100	1.44 U	90.77	91	74-124	
Cyclohexane	100	0.720 U	98.71	99	59-135	
Dichlorodifluoromethane	100	2.72 U	79.62	80	59-135	
Ethylbenzene	100	2.96 U	97.01	97	77-123	
Isopropylbenzene	100	3.16 U	94.23	94	77-122	
Methyl acetate	500	2.00 U	414.9	83	74-133	
Methyl tert-butyl ether	100	0.640 U	90.26	90	64-127	
Methylcyclohexane	100	0.640 U	98.07	98	61-138	
Methylene Chloride	100	1.76 U	104.6	105	57-132	
Styrene	100	2.92 U	100.3	100	70-130	
Tetrachloroethene	100	1.44 U	97.57	98	74-122	
Toluene	100	2.04 U	99.76	100	80-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: T2617.D
Lab ID: 480-61593-1 MS Client ID: MW-6S MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
trans-1,2-Dichloroethene	100	3.60 U	101.1	101	73-127	
trans-1,3-Dichloropropene	100	1.48 U	92.96	93	72-123	
Trichloroethene	100	1.84 U	95.58	96	74-123	
Trichlorofluoromethane	100	3.52 U	108.2	108	62-152	
Vinyl chloride	100	3.60 U	91.96	92	65-133	
Xylenes, Total	200	2.64 U	196.0	98	76-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T2651.D
 Lab ID: 480-61593-2 MS Client ID: MW-6D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	5000	164 U	5521	110	73-126	
1,1,2,2-Tetrachloroethane	5000	42.0 U	5015	100	70-126	
1,1,2-Trichloroethane	5000	46.0 U	5116	102	76-122	
1,1,2-Trichlorotrifluoroethane	5000	62.0 U	5336	107	52-148	
1,1-Dichloroethane	5000	11800	16040	86	71-129	
1,1-Dichloroethene	5000	58.0 U	5471	109	58-121	
1,2,4-Trichlorobenzene	5000	82.0 U	5029	101	70-122	
1,2-Dibromo-3-Chloropropane	5000	78.0 U	4222	84	56-134	
1,2-Dibromoethane (EDB)	5000	146 U	5069	101	77-120	
1,2-Dichlorobenzene	5000	158 U	5306	106	80-124	
1,2-Dichloroethane	5000	42.0 U	5141	103	75-127	
1,2-Dichloropropane	5000	144 U	5238	105	76-120	
1,3-Dichlorobenzene	5000	156 U	5228	105	77-120	
1,4-Dichlorobenzene	5000	168 U	5061	101	75-120	
2-Butanone (MEK)	25000	264 U	22910	92	57-140	
2-Hexanone	25000	248 U	23500	94	65-127	
4-Methyl-2-pentanone (MIBK)	25000	420 U	23510	94	71-125	
Acetone	25000	600 U	22270	89	56-142	
Benzene	5000	82.0 U	5274	105	71-124	
Bromodichloromethane	5000	78.0 U	5104	102	80-122	
Bromoform	5000	52.0 U	4696	94	52-132	
Bromomethane	5000	138 U	7480	150	55-144	F1
Carbon disulfide	5000	38.0 U	5353	107	59-134	
Carbon tetrachloride	5000	54.0 U	5221	104	72-134	
Chlorobenzene	5000	150 U	5224	104	72-120	
Chlorodibromomethane	5000	64.0 U	4942	99	75-125	
Chloroethane	5000	568	5867	106	69-136	
Chloroform	5000	68.0 U	5387	108	73-127	
Chloromethane	5000	70.0 U	4280	86	68-124	
cis-1,2-Dichloroethene	5000	162 U	5373	107	74-124	
cis-1,3-Dichloropropene	5000	72.0 U	5048	101	74-124	
Cyclohexane	5000	36.0 U	5157	103	59-135	
Dichlorodifluoromethane	5000	136 U	3548	71	59-135	
Ethylbenzene	5000	148 U	5149	103	77-123	
Isopropylbenzene	5000	158 U	5185	104	77-122	
Methyl acetate	25000	100 U	23830	95	74-133	
Methyl tert-butyl ether	5000	32.0 U	5040	101	64-127	
Methylcyclohexane	5000	32.0 U	5065	101	61-138	
Methylene Chloride	5000	88.0 U	5895	118	57-132	
Styrene	5000	146 U	5472	109	70-130	
Tetrachloroethene	5000	72.0 U	4925	99	74-122	
Toluene	5000	102 U	5236	105	80-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T2651.D
 Lab ID: 480-61593-2 MS Client ID: MW-6D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
trans-1,2-Dichloroethene	5000	180 U	5315	106	73-127	
trans-1,3-Dichloropropene	5000	74.0 U	4834	97	72-123	
Trichloroethene	5000	92.0 U	5074	101	74-123	
Trichlorofluoromethane	5000	176 U	5201	104	62-152	
Vinyl chloride	5000	180 U	4431	89	65-133	
Xylenes, Total	10000	132 U	10380	104	76-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: T2618.D
Lab ID: 480-61593-1 MSD Client ID: MW-6S MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	100	130.6	121	3	15	73-126	
1,1,2,2-Tetrachloroethane	100	91.50	91	0	15	70-126	
1,1,2-Trichloroethane	100	91.67	92	2	15	76-122	
1,1,2-Trichlorotrifluoroethane	100	97.53	98	5	20	52-148	
1,1-Dichloroethane	100	664.5	412	2	20	71-129	E F1
1,1-Dichloroethene	100	110.3	105	4	16	58-121	
1,2,4-Trichlorobenzene	100	88.56	89	0	20	70-122	
1,2-Dibromo-3-Chloropropane	100	82.51	83	3	15	56-134	
1,2-Dibromoethane (EDB)	100	94.15	94	2	15	77-120	
1,2-Dichlorobenzene	100	91.78	92	4	20	80-124	
1,2-Dichloroethane	100	92.45	92	4	20	75-127	
1,2-Dichloropropane	100	93.79	94	1	20	76-120	
1,3-Dichlorobenzene	100	93.23	93	3	20	77-120	
1,4-Dichlorobenzene	100	91.61	92	3	20	75-120	
2-Butanone (MEK)	500	403.6	81	1	20	57-140	
2-Hexanone	500	441.8	88	2	15	65-127	
4-Methyl-2-pentanone (MIBK)	500	439.6	88	3	35	71-125	
Acetone	500	400.4	80	1	15	56-142	
Benzene	100	94.04	94	2	13	71-124	
Bromodichloromethane	100	94.36	94	2	15	80-122	
Bromoform	100	90.12	90	0	15	52-132	
Bromomethane	100	135.4	135	15	15	55-144	
Carbon disulfide	100	90.44	90	3	15	59-134	
Carbon tetrachloride	100	98.01	98	2	15	72-134	
Chlorobenzene	100	96.97	97	1	25	72-120	
Chlorodibromomethane	100	92.11	92	4	15	75-125	
Chloroethane	100	142.5	125	8	15	69-136	
Chloroform	100	95.02	95	3	20	73-127	
Chloromethane	100	90.88	91	2	15	68-124	
cis-1,2-Dichloroethene	100	100.4	100	0	15	74-124	
cis-1,3-Dichloropropene	100	88.67	89	2	15	74-124	
Cyclohexane	100	94.76	95	4	20	59-135	
Dichlorodifluoromethane	100	79.01	79	1	20	59-135	
Ethylbenzene	100	93.68	94	3	15	77-123	
Isopropylbenzene	100	93.70	94	1	20	77-122	
Methyl acetate	500	413.3	83	0	20	74-133	
Methyl tert-butyl ether	100	90.47	90	0	37	64-127	
Methylcyclohexane	100	94.11	94	4	20	61-138	
Methylene Chloride	100	103.1	103	1	15	57-132	
Styrene	100	98.81	99	1	20	70-130	
Tetrachloroethene	100	90.56	91	7	20	74-122	
Toluene	100	94.65	95	5	15	80-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T2618.D
 Lab ID: 480-61593-1 MSD Client ID: MW-6S MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
trans-1,2-Dichloroethene	100	96.63	97	5	20	73-127	
trans-1,3-Dichloropropene	100	88.79	89	5	15	72-123	
Trichloroethene	100	91.27	91	5	16	74-123	
Trichlorofluoromethane	100	100.7	101	7	20	62-152	
Vinyl chloride	100	88.13	88	4	15	65-133	
Xylenes, Total	200	188.9	94	4	16	76-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo

Job No.: 480-61593-1

SDG No.: _____

Matrix: Water

Level: Low

Lab File ID: T2652.D

Lab ID: 480-61593-2 MSD

Client ID: MW-6D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	5000	5412	108	2	15	73-126	
1,1,2,2-Tetrachloroethane	5000	4926	99	2	15	70-126	
1,1,2-Trichloroethane	5000	4931	99	4	15	76-122	
1,1,2-Trichlorotrifluoroethane	5000	5146	103	4	20	52-148	
1,1-Dichloroethane	5000	15970	84	0	20	71-129	
1,1-Dichloroethene	5000	5415	108	1	16	58-121	
1,2,4-Trichlorobenzene	5000	4781	96	5	20	70-122	
1,2-Dibromo-3-Chloropropane	5000	4245	85	1	15	56-134	
1,2-Dibromoethane (EDB)	5000	5052	101	0	15	77-120	
1,2-Dichlorobenzene	5000	5103	102	4	20	80-124	
1,2-Dichloroethane	5000	5131	103	0	20	75-127	
1,2-Dichloropropane	5000	5160	103	1	20	76-120	
1,3-Dichlorobenzene	5000	5147	103	2	20	77-120	
1,4-Dichlorobenzene	5000	5093	102	1	20	75-120	
2-Butanone (MEK)	25000	22830	91	0	20	57-140	
2-Hexanone	25000	22960	92	2	15	65-127	
4-Methyl-2-pentanone (MIBK)	25000	23420	94	0	35	71-125	
Acetone	25000	22180	89	0	15	56-142	
Benzene	5000	5220	104	1	13	71-124	
Bromodichloromethane	5000	5078	102	1	15	80-122	
Bromoform	5000	4557	91	3	15	52-132	
Bromomethane	5000	7554	151	1	15	55-144	F1
Carbon disulfide	5000	5179	104	3	15	59-134	
Carbon tetrachloride	5000	5184	104	1	15	72-134	
Chlorobenzene	5000	5126	103	2	25	72-120	
Chlorodibromomethane	5000	4683	94	5	15	75-125	
Chloroethane	5000	5717	103	3	15	69-136	
Chloroform	5000	5384	108	0	20	73-127	
Chloromethane	5000	4451	89	4	15	68-124	
cis-1,2-Dichloroethene	5000	5285	106	2	15	74-124	
cis-1,3-Dichloropropene	5000	4868	97	4	15	74-124	
Cyclohexane	5000	5011	100	3	20	59-135	
Dichlorodifluoromethane	5000	3508	70	1	20	59-135	
Ethylbenzene	5000	5121	102	1	15	77-123	
Isopropylbenzene	5000	5055	101	3	20	77-122	
Methyl acetate	25000	23630	95	1	20	74-133	
Methyl tert-butyl ether	5000	5078	102	1	37	64-127	
Methylcyclohexane	5000	4895	98	3	20	61-138	
Methylene Chloride	5000	5813	116	1	15	57-132	
Styrene	5000	5363	107	2	20	70-130	
Tetrachloroethene	5000	4734	95	4	20	74-122	
Toluene	5000	5067	101	3	15	80-122	

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.: 480-61593-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T2652.D
 Lab ID: 480-61593-2 MSD Client ID: MW-6D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
trans-1,2-Dichloroethene	5000	5440	109	2	20	73-127	
trans-1,3-Dichloropropene	5000	4753	95	2	15	72-123	
Trichloroethene	5000	5083	102	0	16	74-123	
Trichlorofluoromethane	5000	5246	105	1	20	62-152	
Vinyl chloride	5000	4288	86	3	15	65-133	
Xylenes, Total	10000	10220	102	2	16	76-122	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
SDG No.: _____
Lab File ID: T2569.D Lab Sample ID: MB 480-189279/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5975T Date Analyzed: 06/23/2014 13:29
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 480-189279/31	T2566.D	06/23/2014 12:24
MW-6S	480-61593-1	T2570.D	06/23/2014 14:01
MW-6D	480-61593-2	T2571.D	06/23/2014 14:25
MW-7D	480-61593-4	T2573.D	06/23/2014 15:13
RW-01	480-61593-5	T2574.D	06/23/2014 15:36
RW-01-FD	480-61593-6	T2575.D	06/23/2014 16:00
TB-01	480-61593-7	T2576.D	06/23/2014 16:24

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
SDG No.: _____
Lab File ID: T2598.D Lab Sample ID: MB 480-189394/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5975T Date Analyzed: 06/24/2014 01:09
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 480-189394/4	T2595.D	06/23/2014 23:58
MW-6S DL	480-61593-1 DL	T2603.D	06/24/2014 02:59
MW-6S MS MS	480-61593-1 MS	T2617.D	06/24/2014 08:32
MW-6S MSD MSD	480-61593-1 MSD	T2618.D	06/24/2014 08:56

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
SDG No.: _____
Lab File ID: T2630.D Lab Sample ID: MB 480-189443/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5975T Date Analyzed: 06/24/2014 13:42
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 480-189443/4	T2627.D	06/24/2014 12:23
MW-6D DL	480-61593-2 DL	T2631.D	06/24/2014 14:15
MW-7S	480-61593-3	T2632.D	06/24/2014 14:39
MW-6D MS	480-61593-2 MS	T2651.D	06/24/2014 22:12
MW-6D MSD	480-61593-2 MSD	T2652.D	06/24/2014 22:35

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Lab File ID: T1916.D BFB Injection Date: 06/06/2014
 Instrument ID: HP5975T BFB Injection Time: 15:38
 Analysis Batch No.: 186217

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.7
75	30.0 - 60.0 % of mass 95	52.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.9
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	79.5
175	5.0 - 9.0 % of mass 174	5.7 (7.1)1
176	95.0 - 101.0 % of mass 174	76.6 (96.3)1
177	5.0 - 9.0 % of mass 176	4.9 (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
	IC 480-186217/4	T1918.D	06/06/2014	16:26
	IC 480-186217/5	T1919.D	06/06/2014	16:50
	IC 480-186217/6	T1920.D	06/06/2014	17:14
	IC 480-186217/7	T1921.D	06/06/2014	17:37
	ICIS 480-186217/8	T1922.D	06/06/2014	18:01
	IC 480-186217/9	T1923.D	06/06/2014	18:25
	IC 480-186217/10	T1924.D	06/06/2014	18:49
	ICV 480-186217/24	T1938.D	06/07/2014	00:25

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Lab File ID: T2561.D BFB Injection Date: 06/23/2014
 Instrument ID: HP5975T BFB Injection Time: 09:51
 Analysis Batch No.: 189279

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.9
75	30.0 - 60.0 % of mass 95	51.8
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	0.4 (0.5) 1
174	50.0 - 120.00 % of mass 95	76.5
175	5.0 - 9.0 % of mass 174	6.1 (8.0) 1
176	95.0 - 101.0 % of mass 174	73.3 (95.8) 1
177	5.0 - 9.0 % of mass 176	5.1 (6.9) 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 480-189279/3	T2562.D	06/23/2014	10:21
	LCS 480-189279/31	T2566.D	06/23/2014	12:24
	MB 480-189279/8	T2569.D	06/23/2014	13:29
MW-6S	480-61593-1	T2570.D	06/23/2014	14:01
MW-6D	480-61593-2	T2571.D	06/23/2014	14:25
MW-7D	480-61593-4	T2573.D	06/23/2014	15:13
RW-01	480-61593-5	T2574.D	06/23/2014	15:36
RW-01-FD	480-61593-6	T2575.D	06/23/2014	16:00
TB-01	480-61593-7	T2576.D	06/23/2014	16:24

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Lab File ID: T2592.D BFB Injection Date: 06/23/2014
 Instrument ID: HP5975T BFB Injection Time: 22:45
 Analysis Batch No.: 189394

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	24.3
75	30.0 - 60.0 % of mass 95	55.4
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	1.0 (1.3)1
174	50.0 - 120.00 % of mass 95	78.1
175	5.0 - 9.0 % of mass 174	6.3 (8.0)1
176	95.0 - 101.0 % of mass 174	75.0 (96.1)1
177	5.0 - 9.0 % of mass 176	4.9 (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 480-189394/2	T2593.D	06/23/2014	23:10
	LCS 480-189394/4	T2595.D	06/23/2014	23:58
	MB 480-189394/8	T2598.D	06/24/2014	01:09
MW-6S DL	480-61593-1 DL	T2603.D	06/24/2014	02:59
MW-6S MS MS	480-61593-1 MS	T2617.D	06/24/2014	08:32
MW-6S MSD MSD	480-61593-1 MSD	T2618.D	06/24/2014	08:56

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Lab File ID: T2624.D BFB Injection Date: 06/24/2014
 Instrument ID: HP5975T BFB Injection Time: 10:53
 Analysis Batch No.: 189443

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	23.3
75	30.0 - 60.0 % of mass 95	54.6
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	1.1 (1.5)1
174	50.0 - 120.00 % of mass 95	76.6
175	5.0 - 9.0 % of mass 174	6.2 (8.1)1
176	95.0 - 101.0 % of mass 174	73.7 (96.2)1
177	5.0 - 9.0 % of mass 176	4.4 (5.9)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 480-189443/2	T2625.D	06/24/2014	11:21
	LCS 480-189443/4	T2627.D	06/24/2014	12:23
	MB 480-189443/8	T2630.D	06/24/2014	13:42
MW-6D DL	480-61593-2 DL	T2631.D	06/24/2014	14:15
MW-7S	480-61593-3	T2632.D	06/24/2014	14:39
MW-6D MS	480-61593-2 MS	T2651.D	06/24/2014	22:12
MW-6D MSD	480-61593-2 MSD	T2652.D	06/24/2014	22:35

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Sample No.: ICIS 480-186217/8 Date Analyzed: 06/06/2014 18:01
 Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): T1922.D Heated Purge: (Y/N) N
 Calibration ID: 18674

	FB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	616500	4.34	455379	6.64	234283	8.49	
UPPER LIMIT	1233000	4.84	910758	7.14	468566	8.99	
LOWER LIMIT	308250	3.84	227690	6.14	117142	7.99	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-186217/24		627317	4.34	455099	6.64	235747	8.49
CCVIS 480-189279/3		520765	4.34	374829	6.64	190644	8.49
CCVIS 480-189394/2		509129	4.34	382139	6.64	193070	8.49
CCVIS 480-189443/2		523047	4.34	366128	6.64	194731	8.49

FB = Fluorobenzene (IS)

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Sample No.: CCVIS 480-189279/3 Date Analyzed: 06/23/2014 10:21
 Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): T2562.D Heated Purge: (Y/N) N
 Calibration ID: 18677

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		520765	4.34	374829	6.64	190644	8.49
UPPER LIMIT		1041530	4.84	749658	7.14	381288	8.99
LOWER LIMIT		260383	3.84	187415	6.14	95322	7.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-189279/31		520252	4.34	375057	6.64	192746	8.49
MB 480-189279/8		496844	4.34	358481	6.64	167006	8.49
480-61593-1	MW-6S	486927	4.34	358881	6.64	172070	8.49
480-61593-2	MW-6D	515692	4.34	389098	6.64	178050	8.49
480-61593-4	MW-7D	488763	4.34	358096	6.64	166971	8.49
480-61593-5	RW-01	485354	4.34	364435	6.64	161235	8.49
480-61593-6	RW-01-FD	483831	4.34	360586	6.64	163919	8.49
480-61593-7	TB-01	475338	4.34	346885	6.64	155531	8.49

FB = Fluorobenzene (IS)

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Sample No.: CCVIS 480-189394/2 Date Analyzed: 06/23/2014 23:10
 Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): T2593.D Heated Purge: (Y/N) N
 Calibration ID: 18677

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		509129	4.34	382139	6.64	193070	8.49
UPPER LIMIT		1018258	4.84	764278	7.14	386140	8.99
LOWER LIMIT		254565	3.84	191070	6.14	96535	7.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-189394/4		500566	4.34	384655	6.64	195614	8.49
MB 480-189394/8		465515	4.34	345623	6.64	161797	8.49
480-61593-1 DL	MW-6S DL	448877	4.34	343233	6.64	156283	8.49
480-61593-1 MS	MW-6S MS MS	486740	4.34	347068	6.64	183827	8.49
480-61593-1 MSD	MW-6S MSD MSD	491874	4.34	355383	6.64	184856	8.49

FB = Fluorobenzene (IS)

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Sample No.: CCVIS 480-189443/2 Date Analyzed: 06/24/2014 11:21
 Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): T2625.D Heated Purge: (Y/N) N
 Calibration ID: 18677

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		523047	4.34	366128	6.64	194731	8.49
UPPER LIMIT		1046094	4.84	732256	7.14	389462	8.99
LOWER LIMIT		261524	3.84	183064	6.14	97366	7.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-189443/4		505784	4.34	383160	6.64	192088	8.49
MB 480-189443/8		463532	4.34	355426	6.64	161055	8.49
480-61593-2 DL	MW-6D DL	456812	4.34	346613	6.64	158644	8.49
480-61593-3	MW-7S	457413	4.34	346142	6.64	163781	8.49
480-61593-2 MS	MW-6D MS	454114	4.34	336013	6.64	171949	8.49
480-61593-2 MSD	MW-6D MSD	475049	4.34	355077	6.64	181792	8.49

FB = Fluorobenzene (IS)

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

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

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

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6S Lab Sample ID: 480-61593-1

Matrix: Water Lab File ID: T2570.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:00

Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 14:01

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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	7.77		1.00	0.820
79-34-5	1,1,2,2-Tetrachloroethane	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.230	U	1.00	0.230
76-13-1	1,1,2-Trichlorotrifluoroethane	0.310	U	1.00	0.310
75-34-3	1,1-Dichloroethane	223	E	1.00	0.380
75-35-4	1,1-Dichloroethene	4.82		1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.410	U	1.00	0.410
96-12-8	1,2-Dibromo-3-Chloropropane	0.390	U	1.00	0.390
106-93-4	1,2-Dibromoethane (EDB)	0.730	U	1.00	0.730
95-50-1	1,2-Dichlorobenzene	0.790	U	1.00	0.790
107-06-2	1,2-Dichloroethane	0.210	U	1.00	0.210
540-59-0	1,2-Dichloroethene, Total	1.46	J	2.00	0.810
78-87-5	1,2-Dichloropropane	0.720	U	1.00	0.720
541-73-1	1,3-Dichlorobenzene	0.780	U	1.00	0.780
106-46-7	1,4-Dichlorobenzene	0.840	U	1.00	0.840
78-93-3	2-Butanone (MEK)	1.32	U	10.0	1.32
591-78-6	2-Hexanone	1.24	U	5.00	1.24
108-10-1	4-Methyl-2-pentanone (MIBK)	2.10	U	5.00	2.10
67-64-1	Acetone	3.00	U	10.0	3.00
71-43-2	Benzene	0.410	U	1.00	0.410
75-27-4	Bromodichloromethane	0.390	U	1.00	0.390
75-25-2	Bromoform	0.260	U	1.00	0.260
74-83-9	Bromomethane	0.690	U	1.00	0.690
75-15-0	Carbon disulfide	0.190	U	1.00	0.190
56-23-5	Carbon tetrachloride	0.270	U	1.00	0.270
108-90-7	Chlorobenzene	0.750	U	1.00	0.750
124-48-1	Chlorodibromomethane	0.320	U	1.00	0.320
75-00-3	Chloroethane	13.9		1.00	0.320
67-66-3	Chloroform	0.340	U	1.00	0.340
74-87-3	Chloromethane	0.350	U	1.00	0.350
156-59-2	cis-1,2-Dichloroethene	1.46		1.00	0.810
10061-01-5	cis-1,3-Dichloropropene	0.360	U	1.00	0.360
110-82-7	Cyclohexane	0.180	U	1.00	0.180
75-71-8	Dichlorodifluoromethane	0.680	U	1.00	0.680
100-41-4	Ethylbenzene	0.740	U	1.00	0.740
98-82-8	Isopropylbenzene	0.790	U	1.00	0.790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Client Sample ID: MW-6S Lab Sample ID: 480-61593-1
 Matrix: Water Lab File ID: T2570.D
 Analysis Method: 8260C Date Collected: 06/10/2014 13:00
 Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 14:01
 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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.500	U	1.00	0.500
1634-04-4	Methyl tert-butyl ether	0.160	U	1.00	0.160
108-87-2	Methylcyclohexane	0.160	U	1.00	0.160
75-09-2	Methylene Chloride	0.440	U	1.00	0.440
100-42-5	Styrene	0.730	U	1.00	0.730
127-18-4	Tetrachloroethene	0.360	U	1.00	0.360
108-88-3	Toluene	0.510	U	1.00	0.510
156-60-5	trans-1,2-Dichloroethene	0.900	U	1.00	0.900
10061-02-6	trans-1,3-Dichloropropene	0.370	U	1.00	0.370
79-01-6	Trichloroethene	0.503	J	1.00	0.460
75-69-4	Trichlorofluoromethane	0.880	U	1.00	0.880
75-01-4	Vinyl chloride	0.900	U	1.00	0.900
1330-20-7	Xylenes, Total	0.660	U	2.00	0.660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		66-137
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		60-140
2037-26-5	Toluene-d8 (Surr)	96		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2570.D
 Lims ID: 480-61593-A-1 Lab Sample ID: 480-61593-1
 Client ID: MW-6S
 Sample Type: Client
 Inject. Date: 23-Jun-2014 14:01:30 ALS Bottle#: 38 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-61593-A-1
 Misc. Info.: 480-0033200-009
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 03:46:17 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 23-Jun-2014 17:12:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.336	-0.001	98	486927	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	87	358881	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	97	172070	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	128598	25.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	163209	24.6	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	93	460321	24.0	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	88	127317	23.8	
11 Dichlorodifluoromethane	85		0.905				ND	
13 Chloromethane	50		1.019				ND	
14 Vinyl chloride	62	1.102	1.102	0.000	22	1714	0.2513	
15 Bromomethane	94		1.320				ND	
16 Chloroethane	64	1.403	1.382	0.021	93	48052	13.9	
17 Trichlorofluoromethane	101		1.537				ND	
22 1,1-Dichloroethene	96	1.973	1.962	0.011	86	23294	4.82	
20 1,1,2-Trichloro-1,2,2-trif	101		1.962				ND	
23 Acetone	43	2.118	2.118	0.000	92	6636	2.67	
25 Carbon disulfide	76		2.118				ND	
28 Methyl acetate	43		2.377				ND	
30 Methylene Chloride	84		2.429				ND	
33 Methyl tert-butyl ether	73		2.636				ND	
32 trans-1,2-Dichloroethene	96		2.636				ND	
36 1,1-Dichloroethane	63	2.999	2.999	0.000	86	2297749	222.7	E
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	66	8652	1.46	
44 2-Butanone (MEK)	43		3.537				ND	
50 Chloroform	83		3.734				ND	
51 1,1,1-Trichloroethane	97	3.828	3.817	0.011	90	60932	7.77	
52 Cyclohexane	56		3.817				ND	
53 Carbon tetrachloride	117		3.931				ND	
55 Benzene	78		4.118				ND	
57 1,2-Dichloroethane	62		4.180				ND	
1 1,4-Difluorobenzene	114		4.429				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
60 Trichloroethene	95	4.605	4.605	0.000	66	2906	0.5030	
62 Methylcyclohexane	83		4.688				ND	
63 1,2-Dichloropropane	63		4.802				ND	
67 Dichlorobromomethane	83		5.030				ND	
71 cis-1,3-Dichloropropene	75		5.351				ND	
72 4-Methyl-2-pentanone (MIBK)	43	5.486	5.475	0.011	79	13659	1.69	
73 Toluene	92		5.569				ND	
75 trans-1,3-Dichloropropene	75		5.786				ND	
78 1,1,2-Trichloroethane	83		5.931				ND	
79 Tetrachloroethene	166		5.962				ND	
81 2-Hexanone	43		6.118				ND	
82 Chlorodibromomethane	129		6.222				ND	
83 Ethylene Dibromide	107		6.294				ND	
86 Chlorobenzene	112		6.657				ND	
88 Ethylbenzene	91		6.729				ND	
90 m-Xylene & p-Xylene	106		6.812				ND	
91 o-Xylene	106		7.133				ND	
92 Styrene	104		7.154				ND	
93 Bromoform	173		7.330				ND	
95 Isopropylbenzene	105		7.413				ND	
98 1,1,2,2-Tetrachloroethane	83		7.724				ND	
110 1,3-Dichlorobenzene	146		8.429				ND	
113 1,4-Dichlorobenzene	146		8.512				ND	
116 1,2-Dichlorobenzene	146		8.812				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.486				ND	
119 1,2,4-Trichlorobenzene	180		10.118				ND	
S 124 1,2-Dichloroethene, Total	1				0		1.46	
S 126 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2570.D

Injection Date: 23-Jun-2014 14:01:30

Instrument ID: HP5975T

Operator ID: LH/CN

Lims ID: 480-61593-A-1

Lab Sample ID: 480-61593-1

Worklist Smp#: 9

Client ID: MW-6S

Purge Vol: 5.000 mL

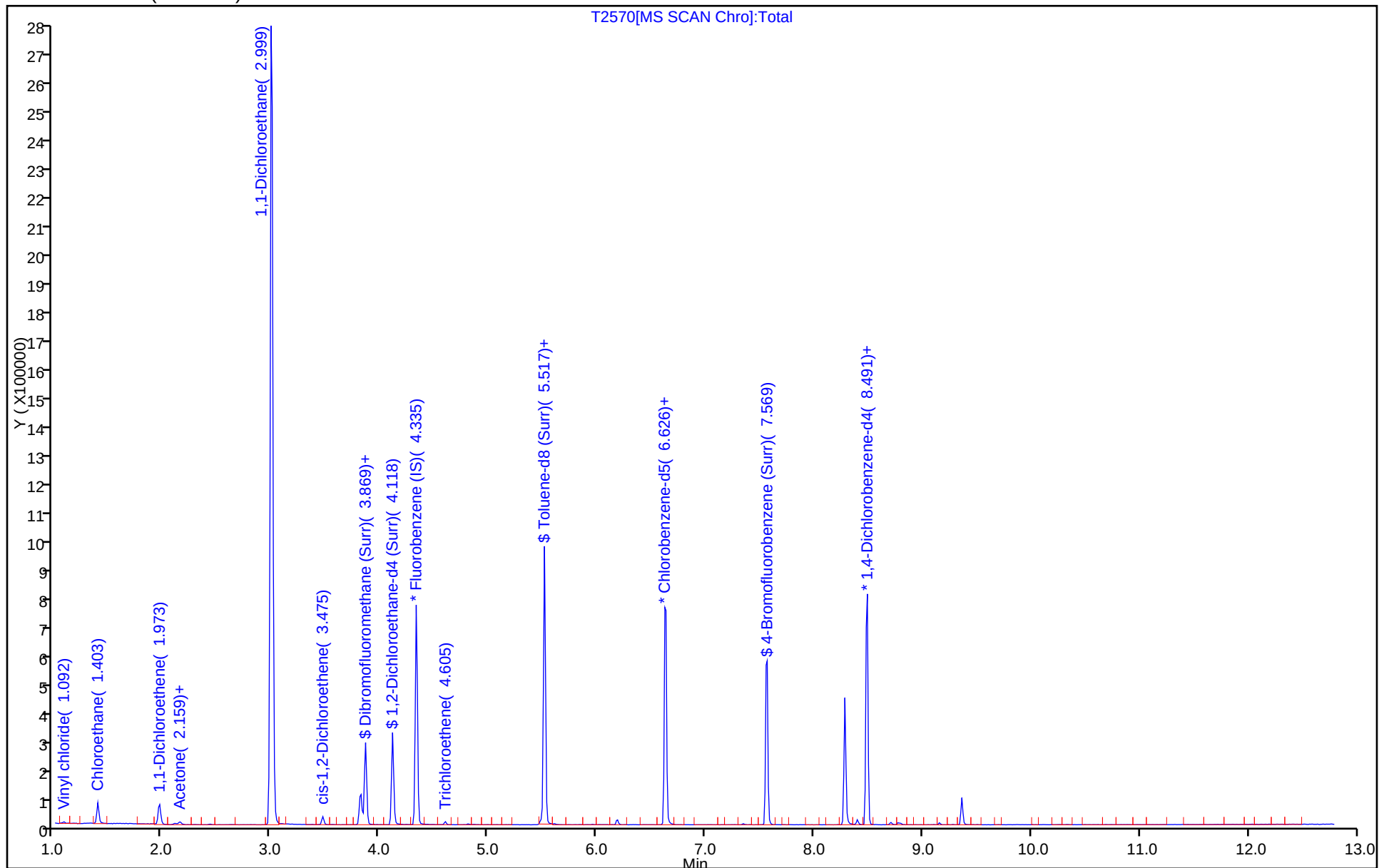
Dil. Factor: 1.0000

ALS Bottle#: 38

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2570.D

Injection Date: 23-Jun-2014 14:01:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-1

Lab Sample ID: 480-61593-1

Client ID: MW-6S

Operator ID: LH/CN

ALS Bottle#: 38

Worklist Smp#: 9

Purge Vol: 5.000 mL

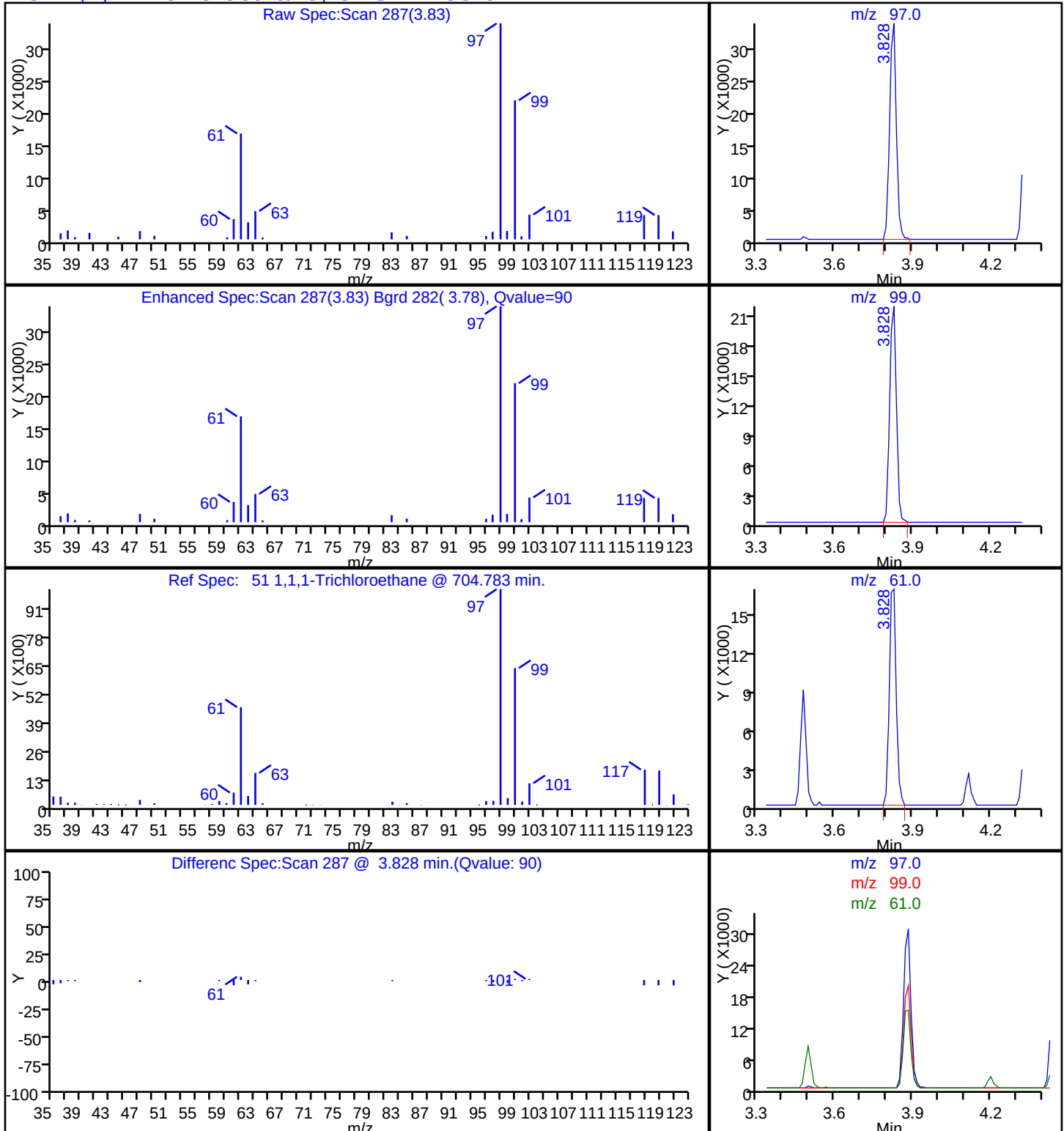
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2570.D

Injection Date: 23-Jun-2014 14:01:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-1

Lab Sample ID: 480-61593-1

Client ID: MW-6S

Operator ID: LH/CN

ALS Bottle#: 38

Worklist Smp#: 9

Purge Vol: 5.000 mL

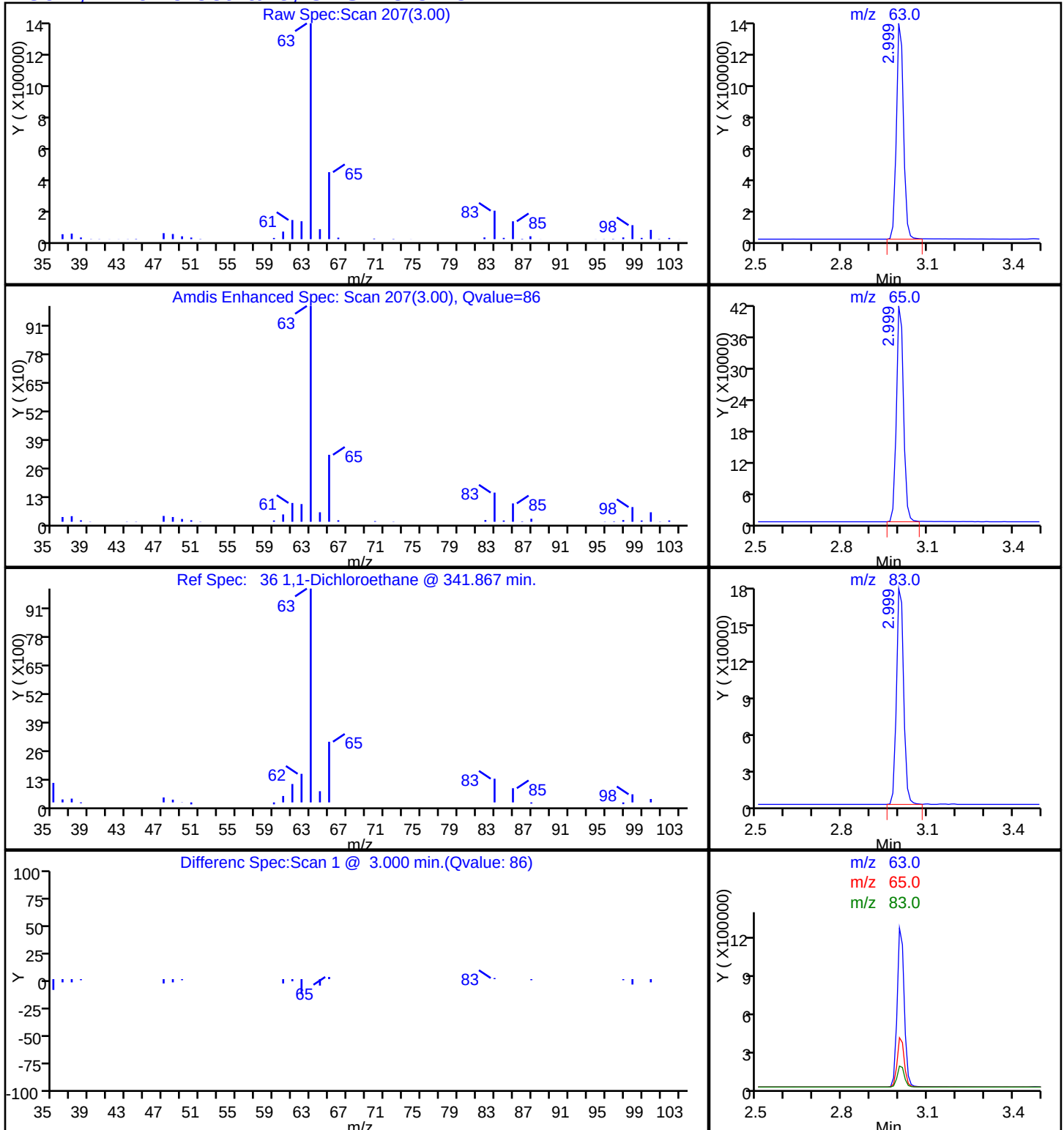
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

36 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2570.D

Injection Date: 23-Jun-2014 14:01:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-1

Lab Sample ID: 480-61593-1

Client ID: MW-6S

Operator ID: LH/CN

ALS Bottle#: 38

Worklist Smp#: 9

Purge Vol: 5.000 mL

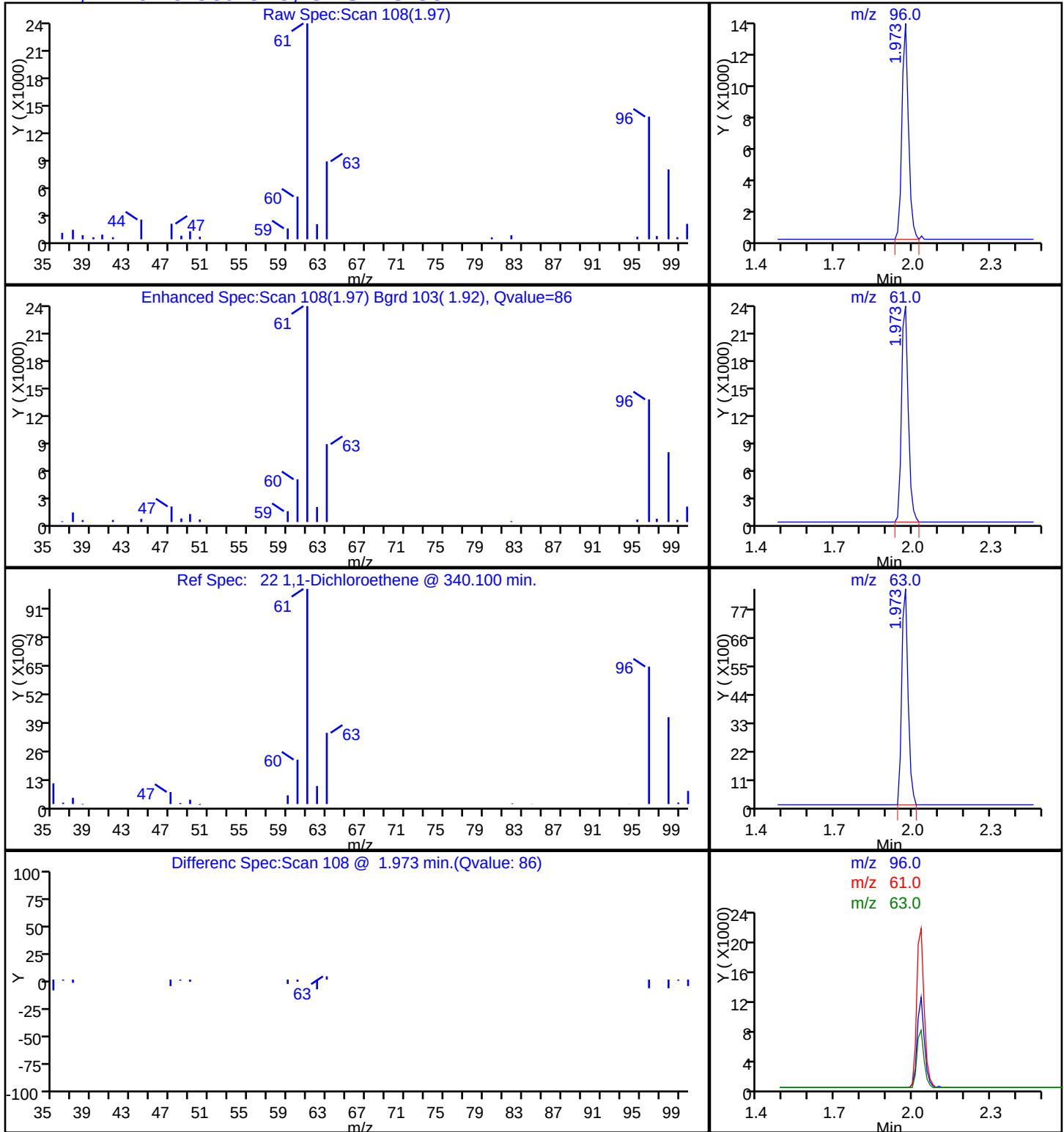
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2570.D

Injection Date: 23-Jun-2014 14:01:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-1

Lab Sample ID: 480-61593-1

Client ID: MW-6S

Operator ID: LH/CN

ALS Bottle#: 38

Worklist Smp#: 9

Purge Vol: 5.000 mL

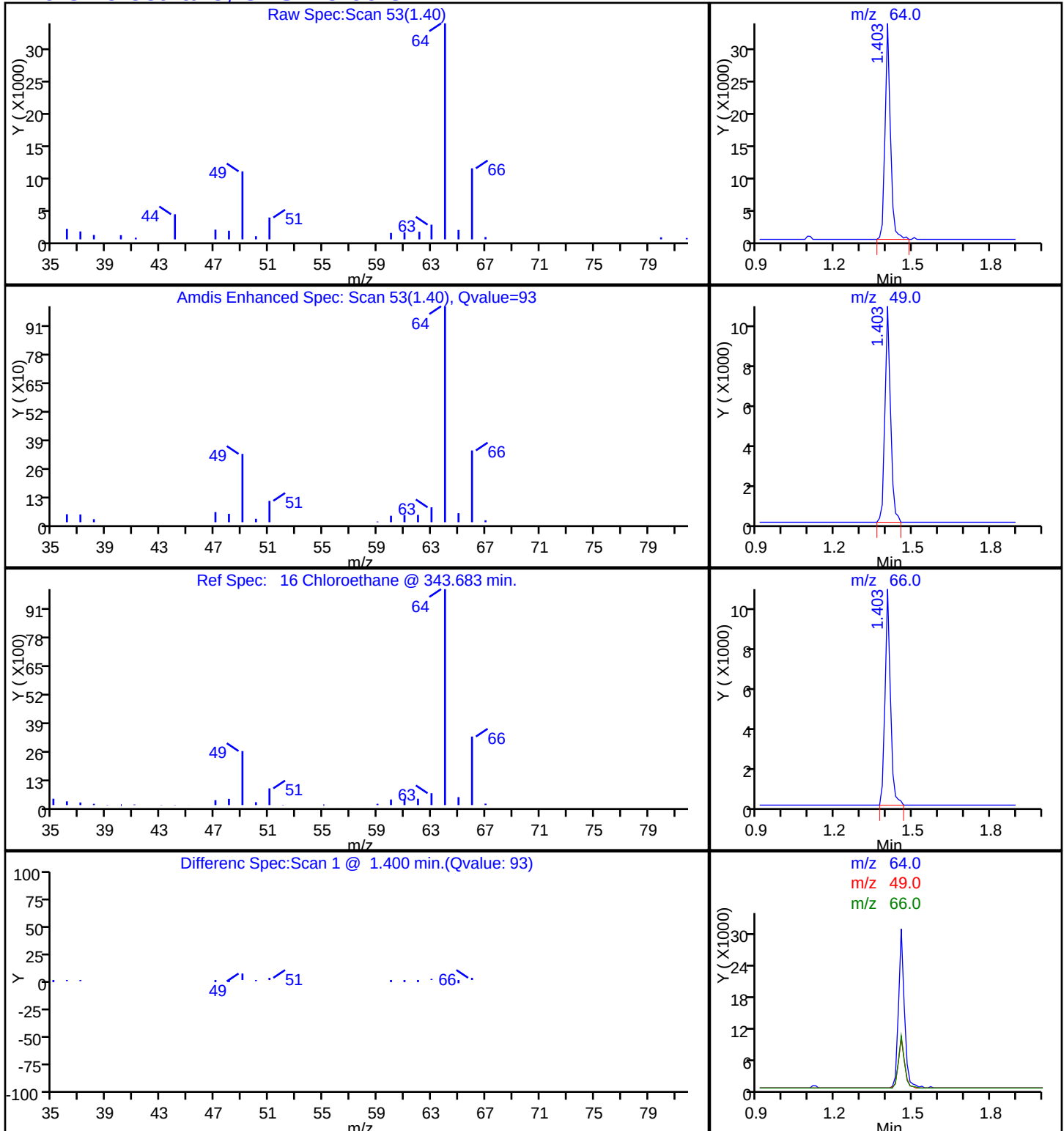
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2570.D

Injection Date: 23-Jun-2014 14:01:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-1

Lab Sample ID: 480-61593-1

Client ID: MW-6S

Operator ID: LH/CN

ALS Bottle#: 38

Worklist Smp#: 9

Purge Vol: 5.000 mL

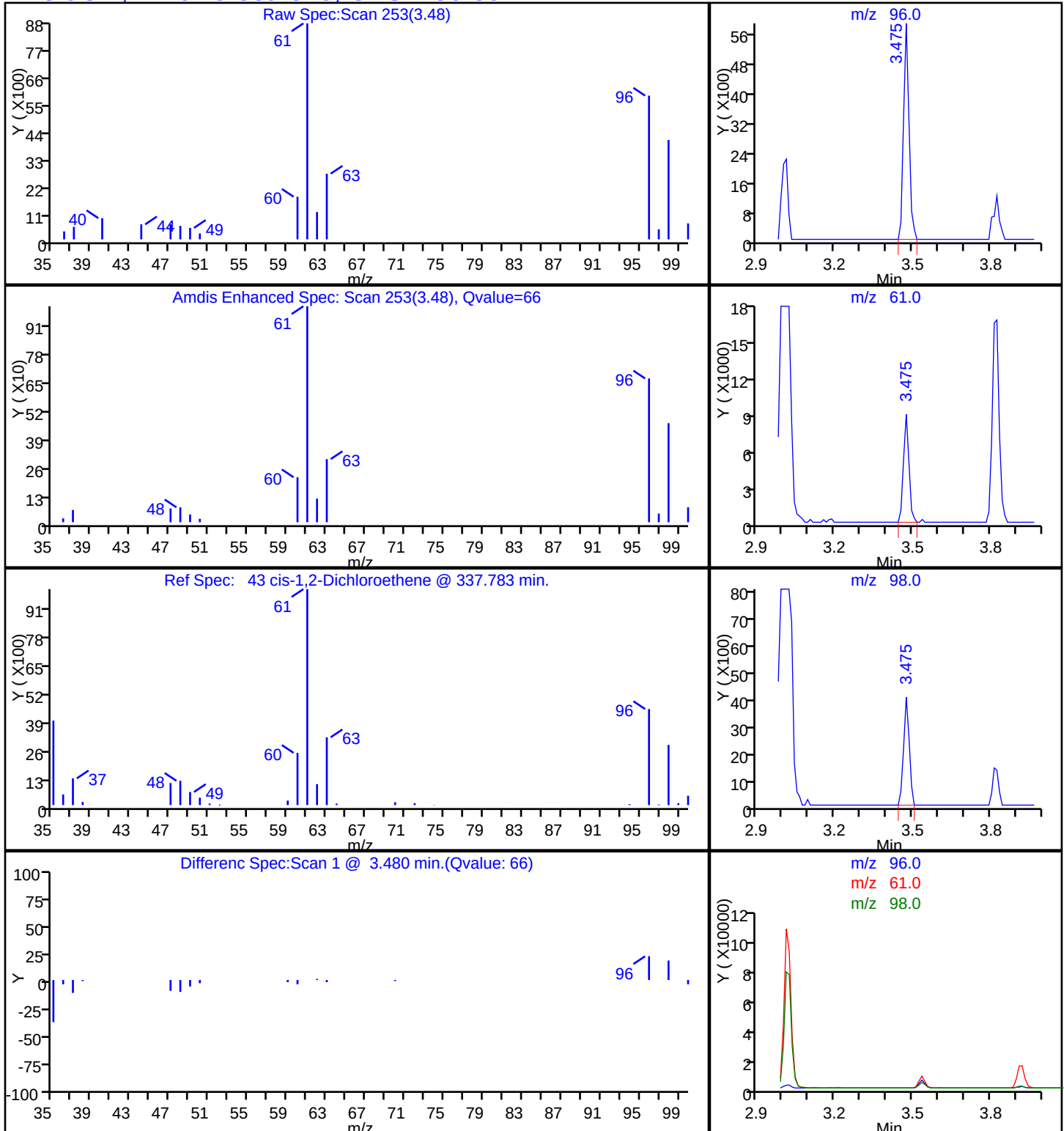
Dil. Factor: 1.0000

Method: T-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\\HP5975T\\20140623-33200.b\\T2570.D

Injection Date: 23-Jun-2014 14:01:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-1

Lab Sample ID: 480-61593-1

Client ID: MW-6S

Operator ID: LH/CN

ALS Bottle#: 38

Worklist Smp#: 9

Purge Vol: 5.000 mL

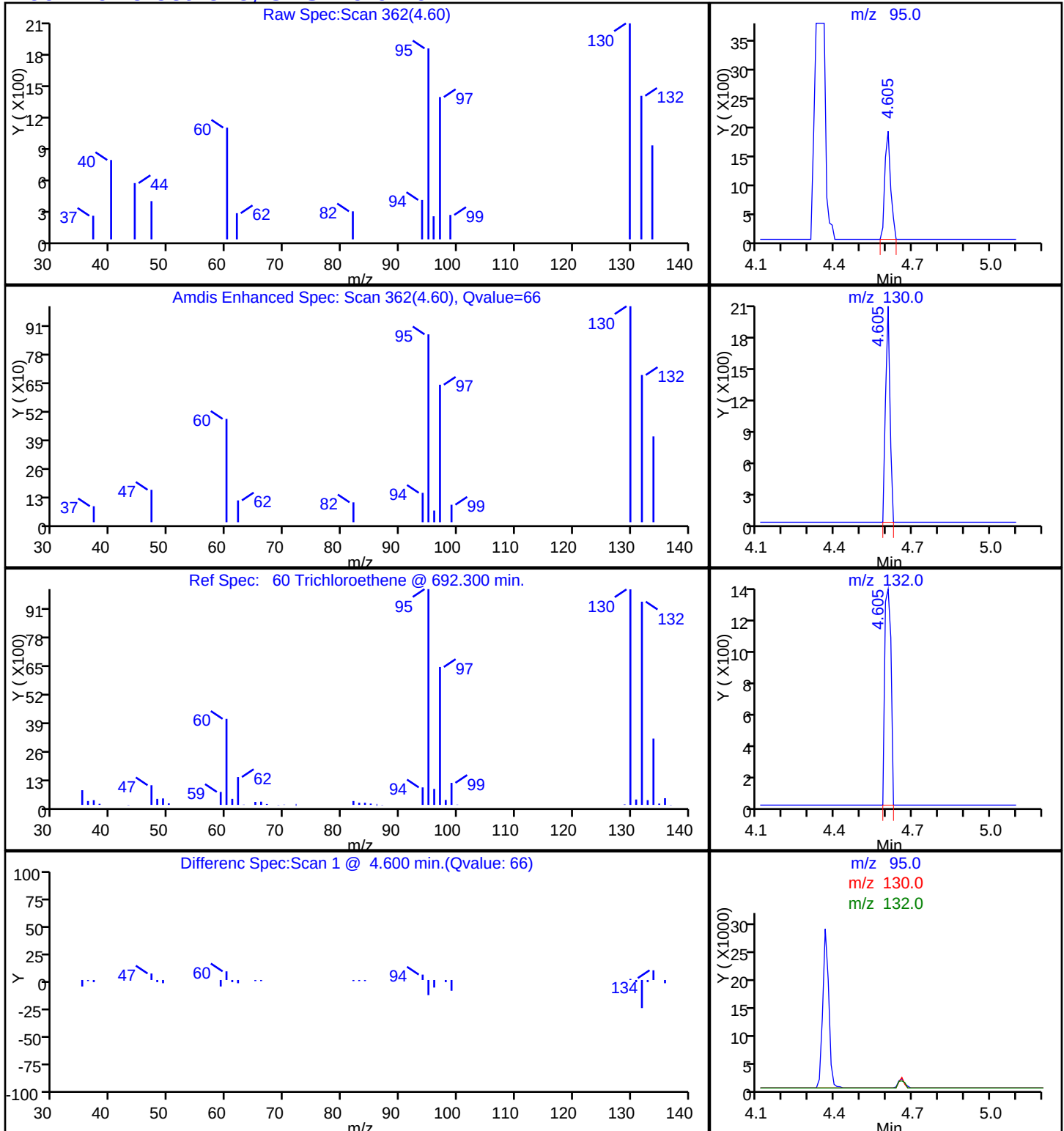
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6S DL Lab Sample ID: 480-61593-1 DL

Matrix: Water Lab File ID: T2603.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:00

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 02:59

Soil Aliquot Vol: _____ Dilution Factor: 4

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

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

Analysis Batch No.: 189394 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	9.27		4.00	3.28
79-34-5	1,1,2,2-Tetrachloroethane	0.840	U	4.00	0.840
79-00-5	1,1,2-Trichloroethane	0.920	U	4.00	0.920
76-13-1	1,1,2-Trichlorotrifluoroethane	1.24	U	4.00	1.24
75-34-3	1,1-Dichloroethane	252		4.00	1.52
75-35-4	1,1-Dichloroethene	5.78		4.00	1.16
120-82-1	1,2,4-Trichlorobenzene	1.64	U	4.00	1.64
96-12-8	1,2-Dibromo-3-Chloropropane	1.56	U	4.00	1.56
106-93-4	1,2-Dibromoethane (EDB)	2.92	U	4.00	2.92
95-50-1	1,2-Dichlorobenzene	3.16	U	4.00	3.16
107-06-2	1,2-Dichloroethane	0.840	U	4.00	0.840
540-59-0	1,2-Dichloroethene, Total	3.24	U	8.00	3.24
78-87-5	1,2-Dichloropropane	2.88	U	4.00	2.88
541-73-1	1,3-Dichlorobenzene	3.12	U	4.00	3.12
106-46-7	1,4-Dichlorobenzene	3.36	U	4.00	3.36
78-93-3	2-Butanone (MEK)	5.28	U	40.0	5.28
591-78-6	2-Hexanone	4.96	U	20.0	4.96
108-10-1	4-Methyl-2-pentanone (MIBK)	8.40	U	20.0	8.40
67-64-1	Acetone	12.0	U	40.0	12.0
71-43-2	Benzene	1.64	U	4.00	1.64
75-27-4	Bromodichloromethane	1.56	U	4.00	1.56
75-25-2	Bromoform	1.04	U	4.00	1.04
74-83-9	Bromomethane	2.76	U	4.00	2.76
75-15-0	Carbon disulfide	0.760	U	4.00	0.760
56-23-5	Carbon tetrachloride	1.08	U	4.00	1.08
108-90-7	Chlorobenzene	3.00	U	4.00	3.00
124-48-1	Chlorodibromomethane	1.28	U	4.00	1.28
75-00-3	Chloroethane	17.7		4.00	1.28
67-66-3	Chloroform	1.36	U	4.00	1.36
74-87-3	Chloromethane	1.40	U	4.00	1.40
156-59-2	cis-1,2-Dichloroethene	3.24	U	4.00	3.24
10061-01-5	cis-1,3-Dichloropropene	1.44	U	4.00	1.44
110-82-7	Cyclohexane	0.720	U	4.00	0.720
75-71-8	Dichlorodifluoromethane	2.72	U	4.00	2.72
100-41-4	Ethylbenzene	2.96	U	4.00	2.96
98-82-8	Isopropylbenzene	3.16	U	4.00	3.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6S DL Lab Sample ID: 480-61593-1 DL

Matrix: Water Lab File ID: T2603.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:00

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 02:59

Soil Aliquot Vol: _____ Dilution Factor: 4

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

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

Analysis Batch No.: 189394 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	2.00	U	4.00	2.00
1634-04-4	Methyl tert-butyl ether	0.640	U	4.00	0.640
108-87-2	Methylcyclohexane	0.640	U	4.00	0.640
75-09-2	Methylene Chloride	1.76	U	4.00	1.76
100-42-5	Styrene	2.92	U	4.00	2.92
127-18-4	Tetrachloroethene	1.44	U	4.00	1.44
108-88-3	Toluene	2.04	U	4.00	2.04
156-60-5	trans-1,2-Dichloroethene	3.60	U	4.00	3.60
10061-02-6	trans-1,3-Dichloropropene	1.48	U	4.00	1.48
79-01-6	Trichloroethene	1.84	U	4.00	1.84
75-69-4	Trichlorofluoromethane	3.52	U	4.00	3.52
75-01-4	Vinyl chloride	3.60	U	4.00	3.60
1330-20-7	Xylenes, Total	2.64	U	8.00	2.64

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		66-137
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		60-140
2037-26-5	Toluene-d8 (Surr)	94		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2603.D
 Lims ID: 480-61593-B-1 Lab Sample ID: 480-61593-1
 Client ID: MW-6S
 Sample Type: Client
 Inject. Date: 24-Jun-2014 02:59:30 ALS Bottle#: 12 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 4.0000
 Sample Info: 480-61593-B-1
 Misc. Info.: 480-0033215-011
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 08:22:37 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: manc

Date: 24-Jun-2014 11:48:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.335	0.000	98	448877	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	87	343233	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	97	156283	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	117491	25.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	151827	24.8	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	95	429387	23.4	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	86	113576	22.2	
11 Dichlorodifluoromethane	85		0.905				ND	
13 Chloromethane	50		1.019				ND	
14 Vinyl chloride	62		1.102				ND	
15 Bromomethane	94		1.320				ND	
16 Chloroethane	64	1.403	1.392	0.011	91	14122	4.44	
17 Trichlorofluoromethane	101		1.558				ND	
22 1,1-Dichloroethene	96	1.973	1.962	0.011	79	6436	1.44	
20 1,1,2-Trichloro-1,2,2-trif	101		1.973				ND	
23 Acetone	43	2.118	2.107	0.011	75	2331	1.02	
25 Carbon disulfide	76		2.128				ND	
28 Methyl acetate	43		2.367				ND	
30 Methylene Chloride	84		2.439				ND	
33 Methyl tert-butyl ether	73		2.636				ND	
32 trans-1,2-Dichloroethene	96		2.636				ND	
36 1,1-Dichloroethane	63	3.009	2.999	0.010	86	600237	63.1	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	25	2163	0.3971	
44 2-Butanone (MEK)	43		3.527				ND	
50 Chloroform	83		3.734				ND	
51 1,1,1-Trichloroethane	97	3.828	3.817	0.011	83	16758	2.32	
52 Cyclohexane	56		3.817				ND	
53 Carbon tetrachloride	117		3.931				ND	
55 Benzene	78		4.118				ND	
57 1,2-Dichloroethane	62		4.170				ND	
1 1,4-Difluorobenzene	114		4.429				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
60 Trichloroethene	95		4.605				ND	
62 Methylcyclohexane	83		4.688				ND	
63 1,2-Dichloropropane	63		4.802				ND	
67 Dichlorobromomethane	83		5.019				ND	
71 cis-1,3-Dichloropropene	75		5.351				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.475				ND	
73 Toluene	92		5.569				ND	
75 trans-1,3-Dichloropropene	75		5.786				ND	
78 1,1,2-Trichloroethane	83		5.931				ND	
79 Tetrachloroethene	166		5.962				ND	
81 2-Hexanone	43		6.118				ND	
82 Chlorodibromomethane	129		6.222				ND	
83 Ethylene Dibromide	107		6.294				ND	
86 Chlorobenzene	112		6.657				ND	
88 Ethylbenzene	91		6.729				ND	
90 m-Xylene & p-Xylene	106		6.823				ND	
91 o-Xylene	106		7.134				ND	
92 Styrene	104		7.154				ND	
93 Bromoform	173		7.330				ND	
95 Isopropylbenzene	105		7.413				ND	
98 1,1,2,2-Tetrachloroethane	83		7.724				ND	
110 1,3-Dichlorobenzene	146		8.429				ND	
113 1,4-Dichlorobenzene	146		8.501				ND	
116 1,2-Dichlorobenzene	146		8.812				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.486				ND	
119 1,2,4-Trichlorobenzene	180		10.118				ND	
S 126 Xylenes, Total	1		30.000				0	
S 124 1,2-Dichloroethene, Total	1				0		0.3971	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2603.D

Injection Date: 24-Jun-2014 02:59:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-61593-B-1

Lab Sample ID: 480-61593-1

Worklist Smp#: 11

Client ID: MW-6S

Purge Vol: 5.000 mL

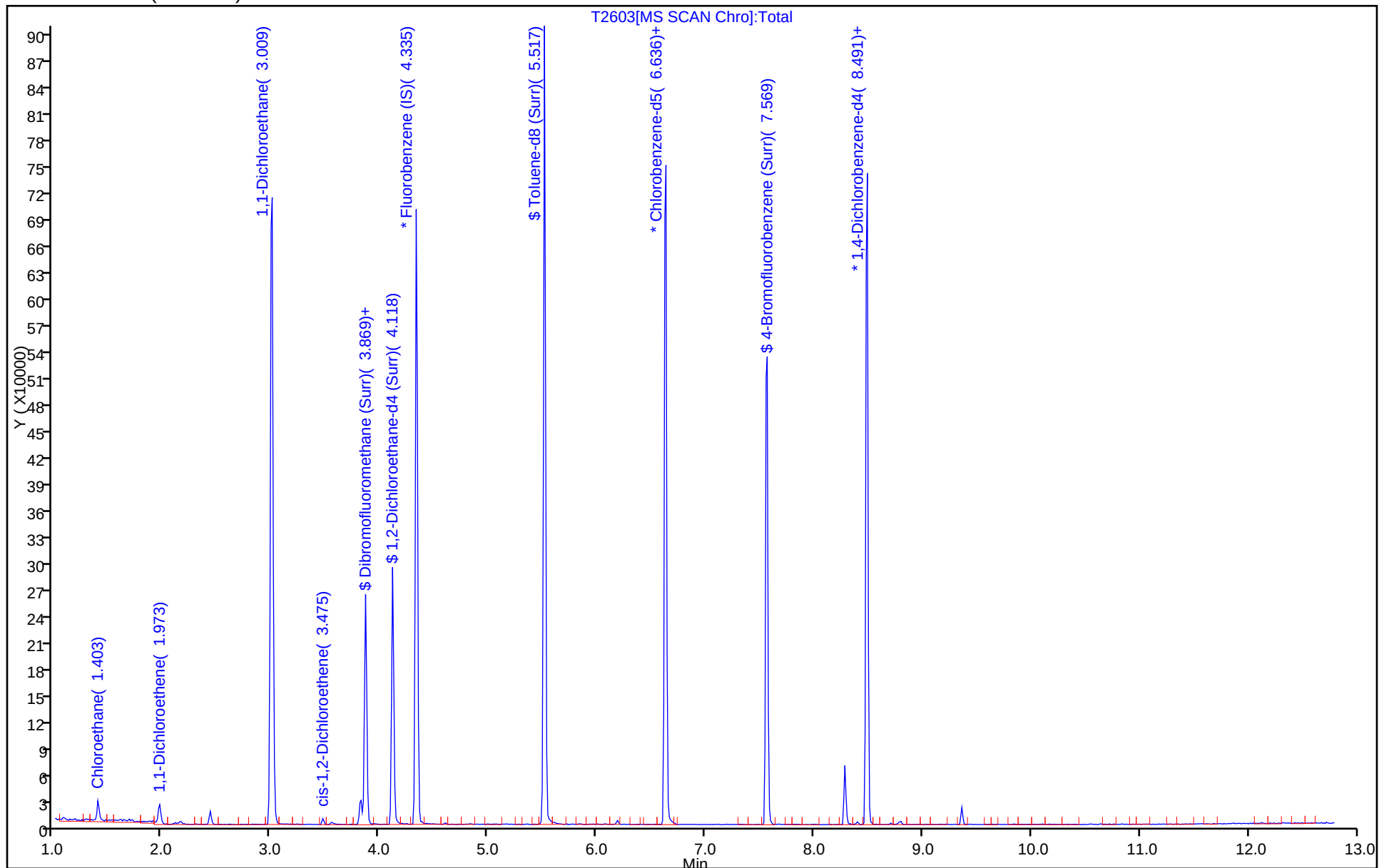
Dil. Factor: 4.0000

ALS Bottle#: 12

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2603.D

Injection Date: 24-Jun-2014 02:59:30

Instrument ID: HP5975T

Lims ID: 480-61593-B-1

Lab Sample ID: 480-61593-1

Client ID: MW-6S

Operator ID: gtg

ALS Bottle#: 12

Worklist Smp#: 11

Purge Vol: 5.000 mL

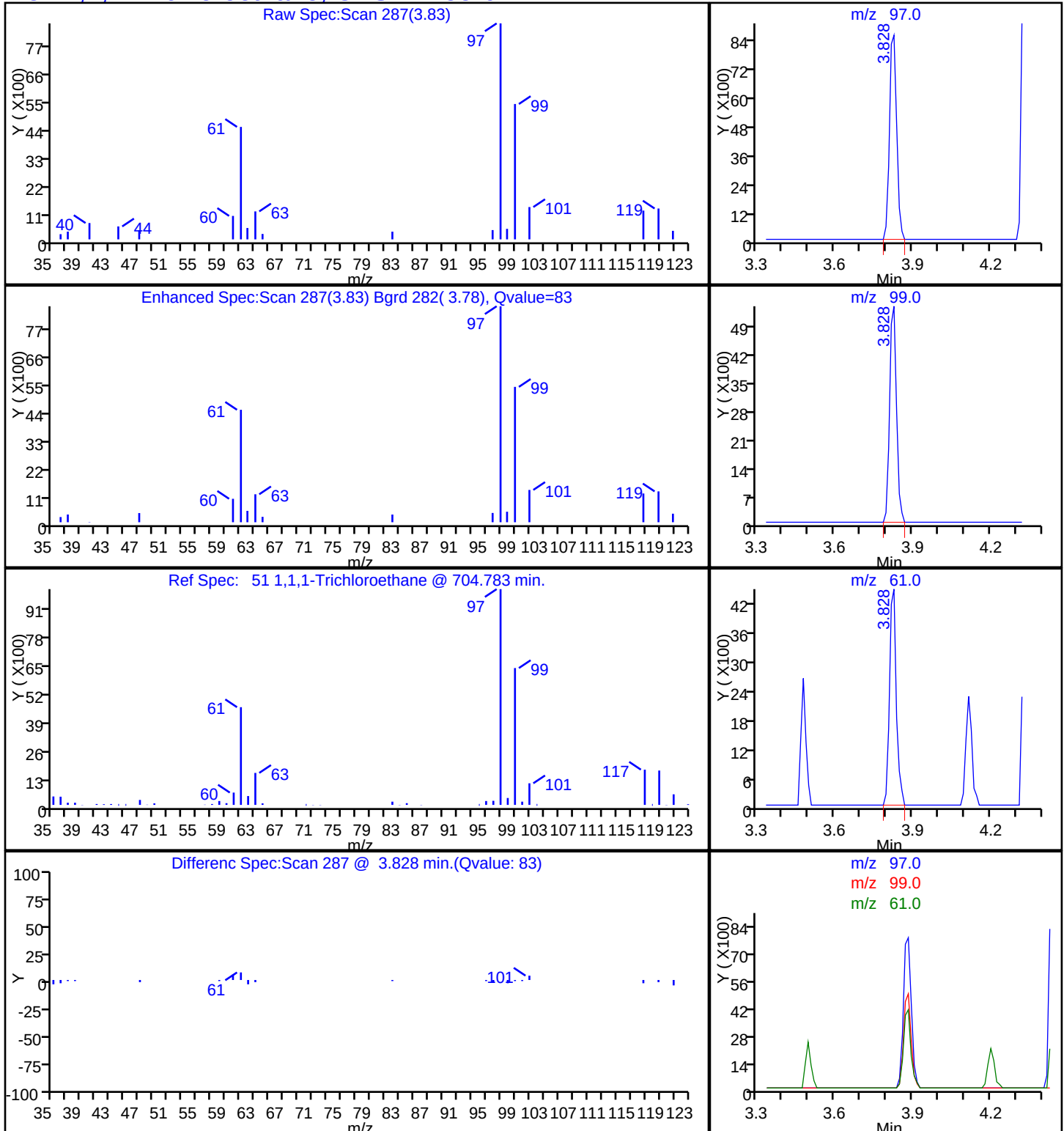
Dil. Factor: 4.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2603.D

Injection Date: 24-Jun-2014 02:59:30

Instrument ID: HP5975T

Lims ID: 480-61593-B-1

Lab Sample ID: 480-61593-1

Client ID: MW-6S

Operator ID: gtg

ALS Bottle#: 12

Worklist Smp#: 11

Purge Vol: 5.000 mL

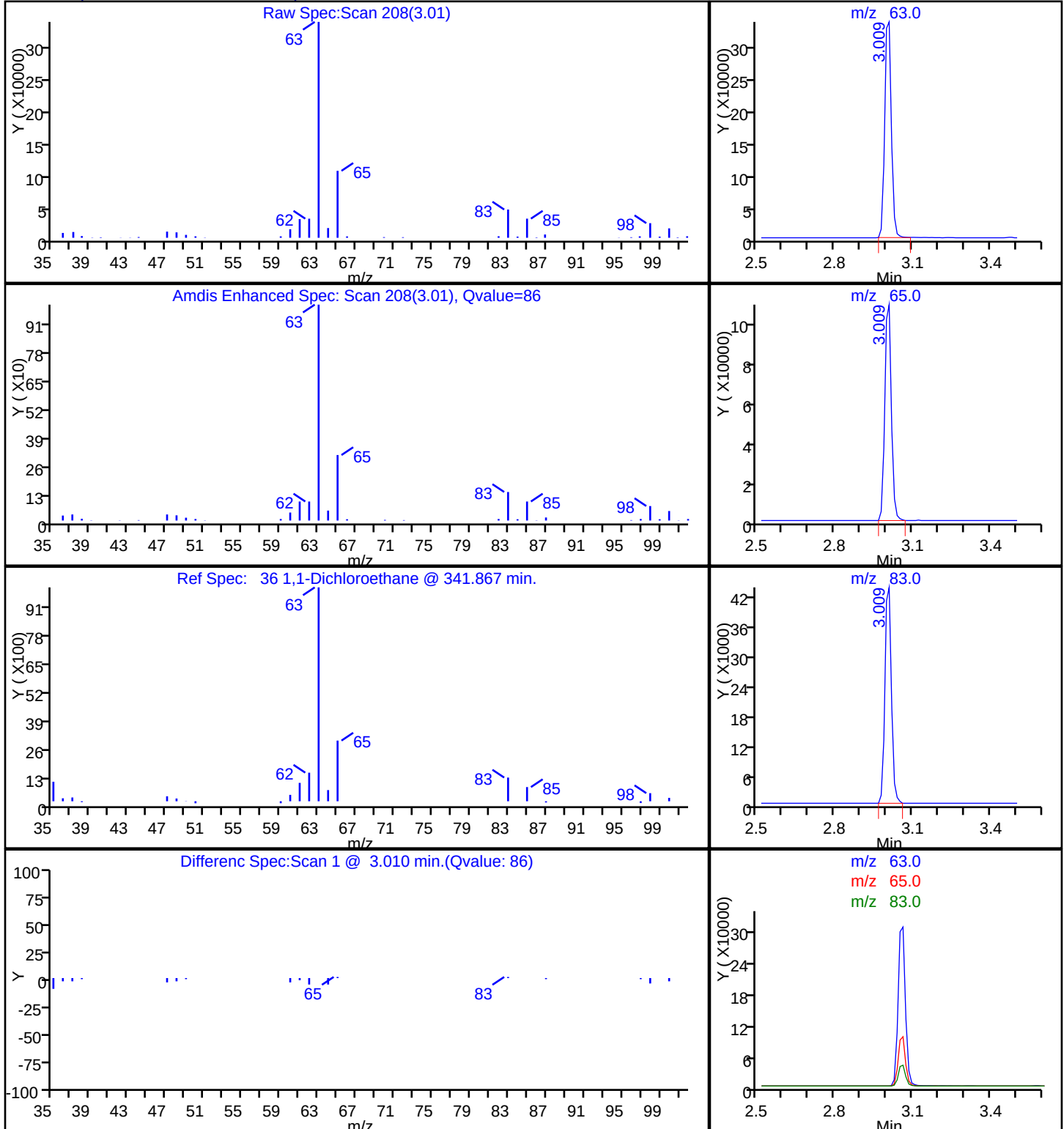
Dil. Factor: 4.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

36 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2603.D

Injection Date: 24-Jun-2014 02:59:30

Instrument ID: HP5975T

Lims ID: 480-61593-B-1

Lab Sample ID: 480-61593-1

Client ID: MW-6S

Operator ID: gtg

ALS Bottle#: 12

Worklist Smp#: 11

Purge Vol: 5.000 mL

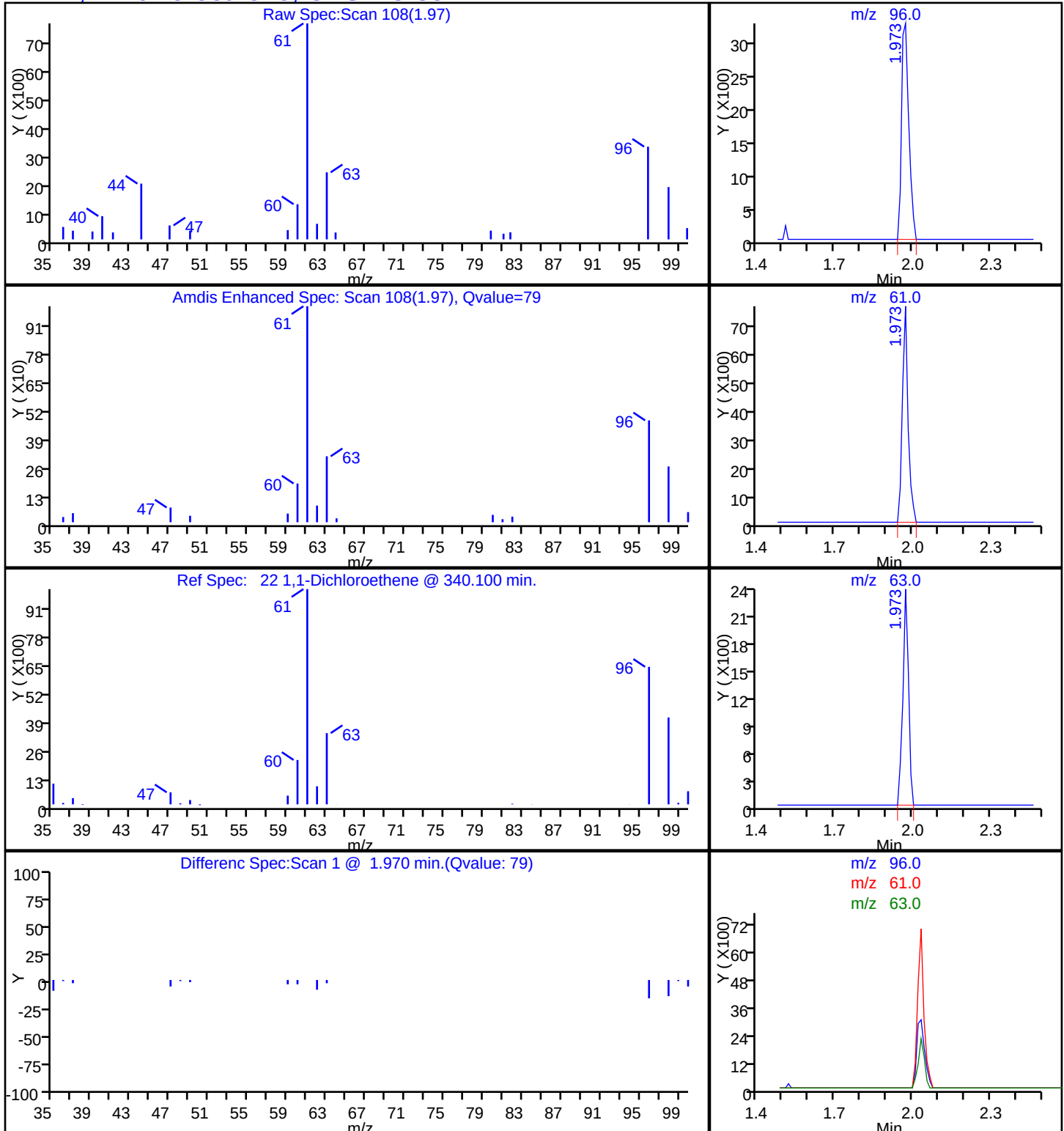
Dil. Factor: 4.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector MS SCAN

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

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2603.D

Injection Date: 24-Jun-2014 02:59:30

Instrument ID: HP5975T

Lims ID: 480-61593-B-1

Lab Sample ID: 480-61593-1

Client ID: MW-6S

Operator ID: gtg

ALS Bottle#: 12

Worklist Smp#: 11

Purge Vol: 5.000 mL

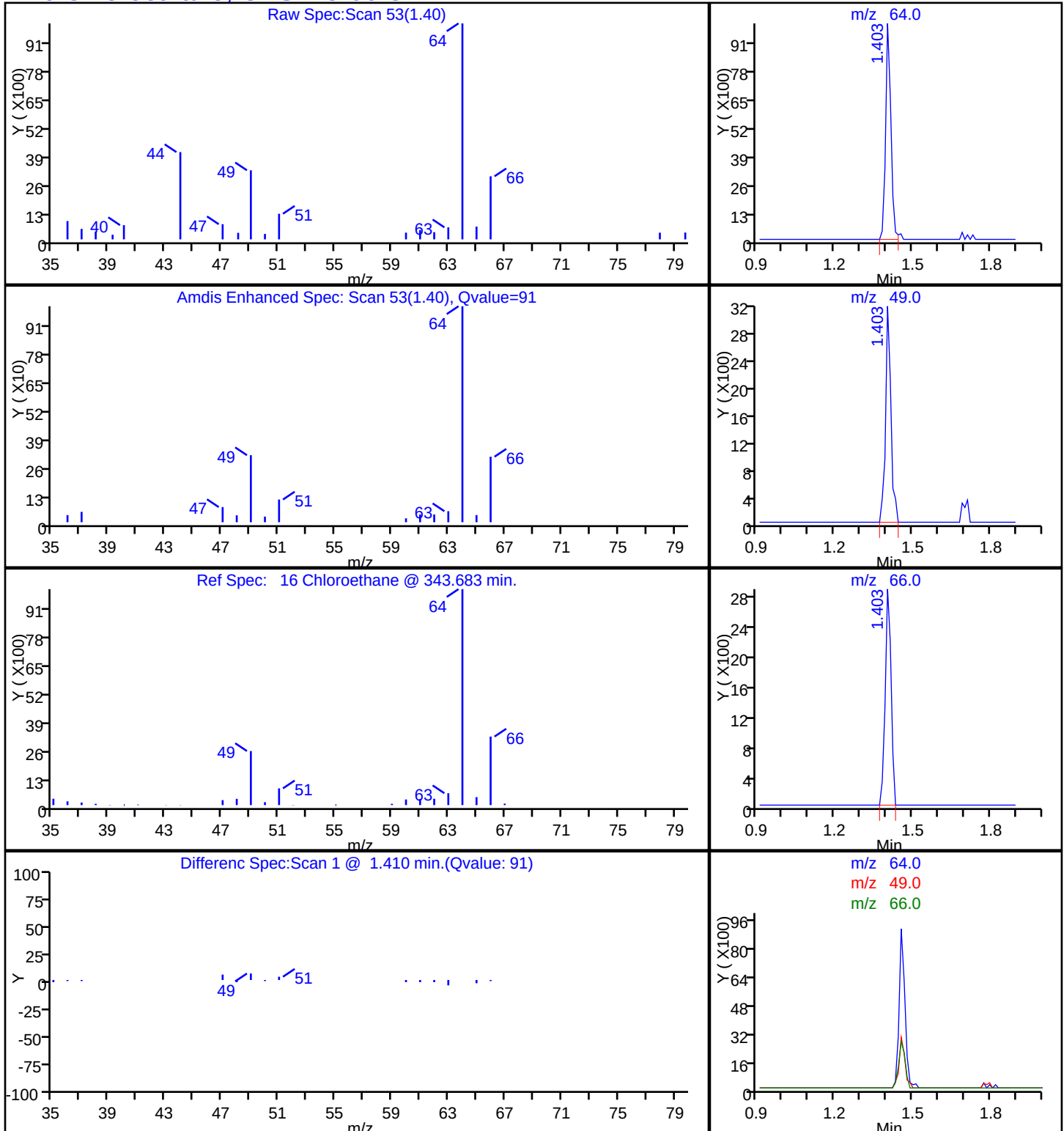
Dil. Factor: 4.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6D Lab Sample ID: 480-61593-2

Matrix: Water Lab File ID: T2571.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:15

Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 14:25

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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	158	E	1.00	0.820
79-34-5	1,1,2,2-Tetrachloroethane	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.230	U	1.00	0.230
76-13-1	1,1,2-Trichlorotrifluoroethane	0.310	U	1.00	0.310
75-34-3	1,1-Dichloroethane	2570	E	1.00	0.380
75-35-4	1,1-Dichloroethene	25.7		1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.410	U	1.00	0.410
96-12-8	1,2-Dibromo-3-Chloropropane	0.390	U	1.00	0.390
106-93-4	1,2-Dibromoethane (EDB)	0.730	U	1.00	0.730
95-50-1	1,2-Dichlorobenzene	0.790	U	1.00	0.790
107-06-2	1,2-Dichloroethane	2.72		1.00	0.210
540-59-0	1,2-Dichloroethene, Total	11.1		2.00	0.810
78-87-5	1,2-Dichloropropane	0.720	U	1.00	0.720
541-73-1	1,3-Dichlorobenzene	0.780	U	1.00	0.780
106-46-7	1,4-Dichlorobenzene	0.840	U	1.00	0.840
78-93-3	2-Butanone (MEK)	1.32	U	10.0	1.32
591-78-6	2-Hexanone	1.24	U	5.00	1.24
108-10-1	4-Methyl-2-pentanone (MIBK)	2.10	U	5.00	2.10
67-64-1	Acetone	3.00	U	10.0	3.00
71-43-2	Benzene	0.410	U	1.00	0.410
75-27-4	Bromodichloromethane	0.390	U	1.00	0.390
75-25-2	Bromoform	0.260	U	1.00	0.260
74-83-9	Bromomethane	0.690	U	1.00	0.690
75-15-0	Carbon disulfide	0.190	U	1.00	0.190
56-23-5	Carbon tetrachloride	0.270	U	1.00	0.270
108-90-7	Chlorobenzene	0.750	U	1.00	0.750
124-48-1	Chlorodibromomethane	0.320	U	1.00	0.320
75-00-3	Chloroethane	529	E	1.00	0.320
67-66-3	Chloroform	0.340	U	1.00	0.340
74-87-3	Chloromethane	0.350	U	1.00	0.350
156-59-2	cis-1,2-Dichloroethene	11.1		1.00	0.810
10061-01-5	cis-1,3-Dichloropropene	0.360	U	1.00	0.360
110-82-7	Cyclohexane	0.180	U	1.00	0.180
75-71-8	Dichlorodifluoromethane	0.680	U	1.00	0.680
100-41-4	Ethylbenzene	0.740	U	1.00	0.740
98-82-8	Isopropylbenzene	0.790	U	1.00	0.790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Client Sample ID: MW-6D Lab Sample ID: 480-61593-2
 Matrix: Water Lab File ID: T2571.D
 Analysis Method: 8260C Date Collected: 06/10/2014 13:15
 Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 14:25
 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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.500	U	1.00	0.500
1634-04-4	Methyl tert-butyl ether	0.687	J	1.00	0.160
108-87-2	Methylcyclohexane	0.160	U	1.00	0.160
75-09-2	Methylene Chloride	0.440	U	1.00	0.440
100-42-5	Styrene	0.730	U	1.00	0.730
127-18-4	Tetrachloroethene	0.360	U	1.00	0.360
108-88-3	Toluene	0.510	U	1.00	0.510
156-60-5	trans-1,2-Dichloroethene	0.900	U	1.00	0.900
10061-02-6	trans-1,3-Dichloropropene	0.370	U	1.00	0.370
79-01-6	Trichloroethene	0.460	U	1.00	0.460
75-69-4	Trichlorofluoromethane	0.880	U	1.00	0.880
75-01-4	Vinyl chloride	4.77		1.00	0.900
1330-20-7	Xylenes, Total	0.660	U	2.00	0.660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		60-140
2037-26-5	Toluene-d8 (Surr)	95		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2571.D
 Lims ID: 480-61593-A-2 Lab Sample ID: 480-61593-2
 Client ID: MW-6D
 Sample Type: Client
 Inject. Date: 23-Jun-2014 14:25:30 ALS Bottle#: 39 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-61593-A-2
 Misc. Info.: 480-0033200-012
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 03:46:17 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 24-Jun-2014 03:46:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.336	-0.001	98	515692	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	87	389098	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	97	178050	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	55	138123	26.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	169166	24.1	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	95	494602	23.8	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	86	134545	23.2	
11 Dichlorodifluoromethane	85		0.905				ND	
13 Chloromethane	50		1.019				ND	
14 Vinyl chloride	62	1.102	1.102	0.000	84	34456	4.77	
15 Bromomethane	94		1.320				ND	
16 Chloroethane	64	1.403	1.382	0.021	94	1935924	529.4	E
17 Trichlorofluoromethane	101		1.537				ND	
22 1,1-Dichloroethene	96	1.973	1.962	0.011	86	131638	25.7	
20 1,1,2-Trichloro-1,2,2-trif	101		1.962				ND	
23 Acetone	43	2.118	2.118	0.000	78	5995	2.28	
25 Carbon disulfide	76		2.118				ND	
28 Methyl acetate	43		2.377				ND	
30 Methylene Chloride	84		2.429				ND	
33 Methyl tert-butyl ether	73	2.646	2.636	0.010	86	12848	0.6871	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	43	2071	0.3673	
36 1,1-Dichloroethane	63	2.988	2.988	-0.011	1	28106887	2572.6	EM
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	70	69728	11.1	
44 2-Butanone (MEK)	43		3.537				ND	
50 Chloroform	83		3.734				ND	
51 1,1,1-Trichloroethane	97	3.828	3.817	0.011	92	1316487	158.5	E
52 Cyclohexane	56		3.817				ND	
53 Carbon tetrachloride	117		3.931				ND	
55 Benzene	78	4.118	4.118	0.000	37	8616	0.3722	
57 1,2-Dichloroethane	62	4.180	4.180	0.000	89	25135	2.72	
1 1,4-Difluorobenzene	114		4.429				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
60 Trichloroethene	95	4.605	4.605	0.000	52	1840	0.3007	
62 Methylcyclohexane	83		4.688				ND	
63 1,2-Dichloropropane	63		4.802				ND	
67 Dichlorobromomethane	83		5.030				ND	
71 cis-1,3-Dichloropropene	75		5.351				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.475				ND	
73 Toluene	92		5.569				ND	
75 trans-1,3-Dichloropropene	75		5.786				ND	
78 1,1,2-Trichloroethane	83		5.931				ND	
79 Tetrachloroethene	166		5.962				ND	
81 2-Hexanone	43		6.118				ND	
82 Chlorodibromomethane	129		6.222				ND	
83 Ethylene Dibromide	107		6.294				ND	
86 Chlorobenzene	112		6.657				ND	
88 Ethylbenzene	91		6.729				ND	
90 m-Xylene & p-Xylene	106		6.812				ND	
91 o-Xylene	106		7.133				ND	
92 Styrene	104		7.154				ND	
93 Bromoform	173		7.330				ND	
95 Isopropylbenzene	105		7.413				ND	
98 1,1,2,2-Tetrachloroethane	83		7.724				ND	
110 1,3-Dichlorobenzene	146		8.429				ND	
113 1,4-Dichlorobenzene	146		8.512				ND	
116 1,2-Dichlorobenzene	146		8.812				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.486				ND	
119 1,2,4-Trichlorobenzene	180		10.118				ND	
S 124 1,2-Dichloroethene, Total	1				0		11.5	
S 126 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2571.D

Injection Date: 23-Jun-2014 14:25:30

Instrument ID: HP5975T

Operator ID: LH/CN

Lims ID: 480-61593-A-2

Lab Sample ID: 480-61593-2

Worklist Smp#: 12

Client ID: MW-6D

Purge Vol: 5.000 mL

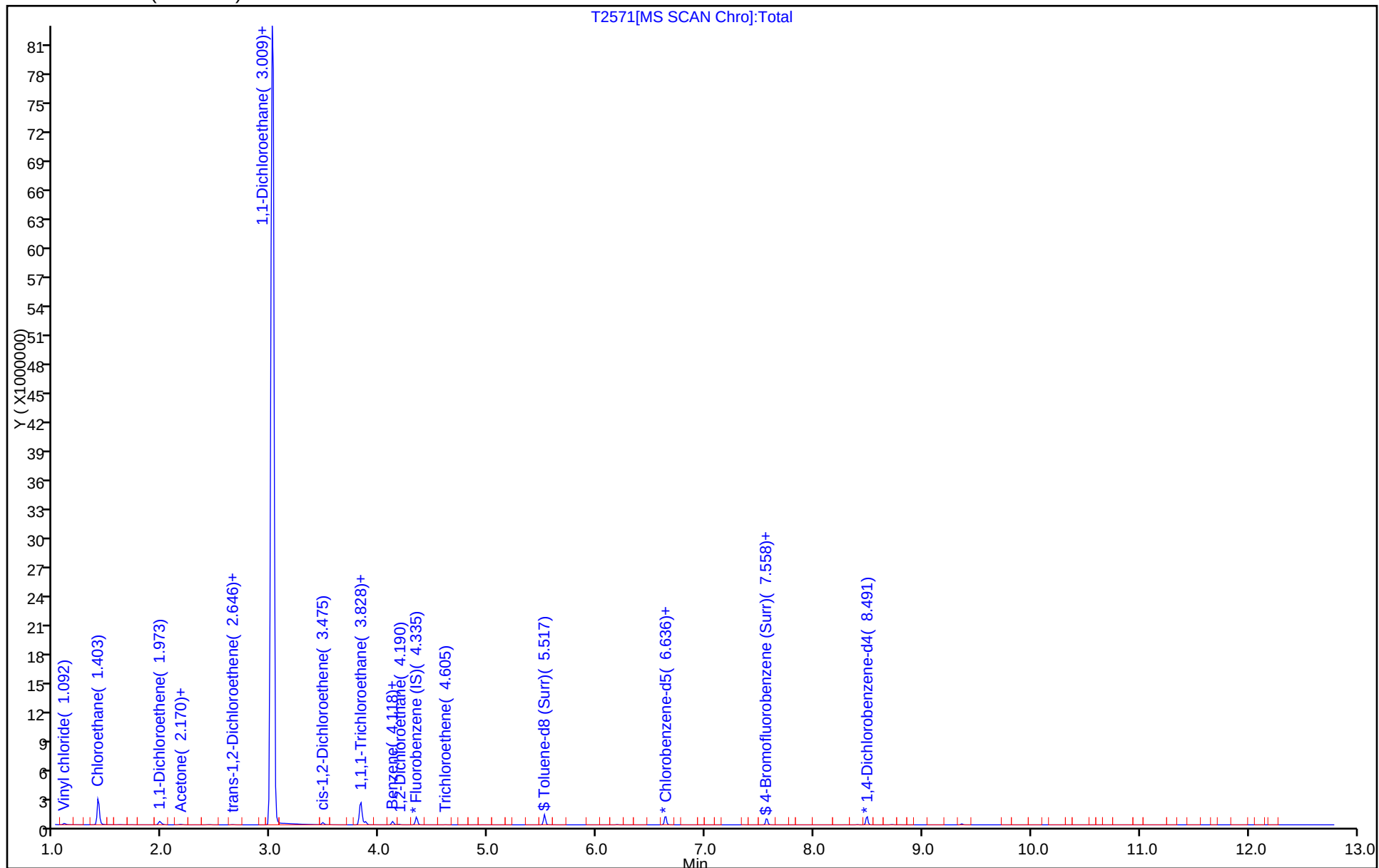
Dil. Factor: 1.0000

ALS Bottle#: 39

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\\ChromData\\HP5975T\\20140623-33200.b\\T2571.D

Injection Date: 23-Jun-2014 14:25:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-2

Lab Sample ID: 480-61593-2

Client ID: MW-6D

Operator ID: LH/CN

ALS Bottle#: 39

Worklist Smp#: 12

Purge Vol: 5.000 mL

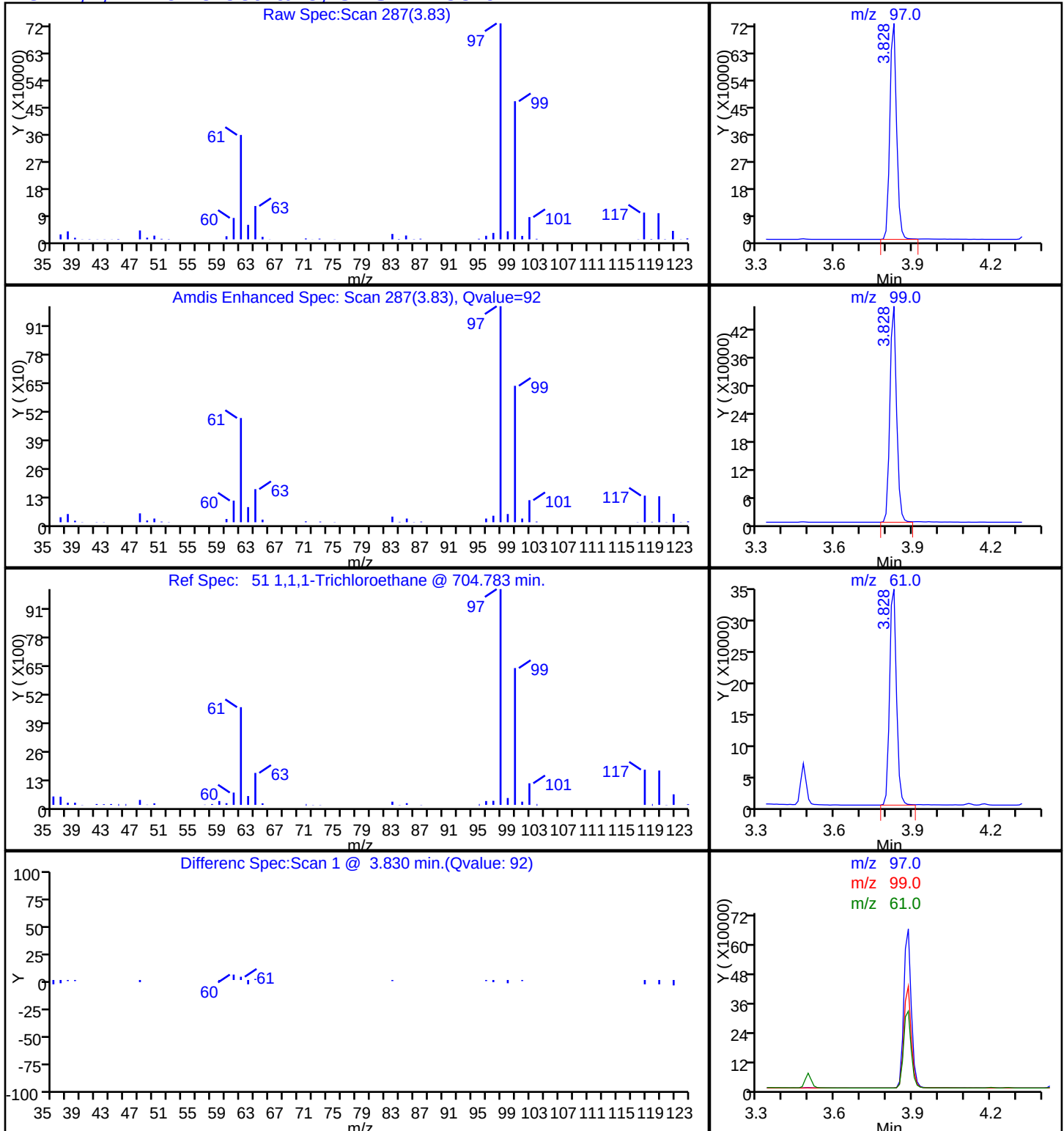
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2571.D

Injection Date: 23-Jun-2014 14:25:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-2

Lab Sample ID: 480-61593-2

Client ID: MW-6D

Operator ID: LH/CN

ALS Bottle#: 39

Worklist Smp#: 12

Purge Vol: 5.000 mL

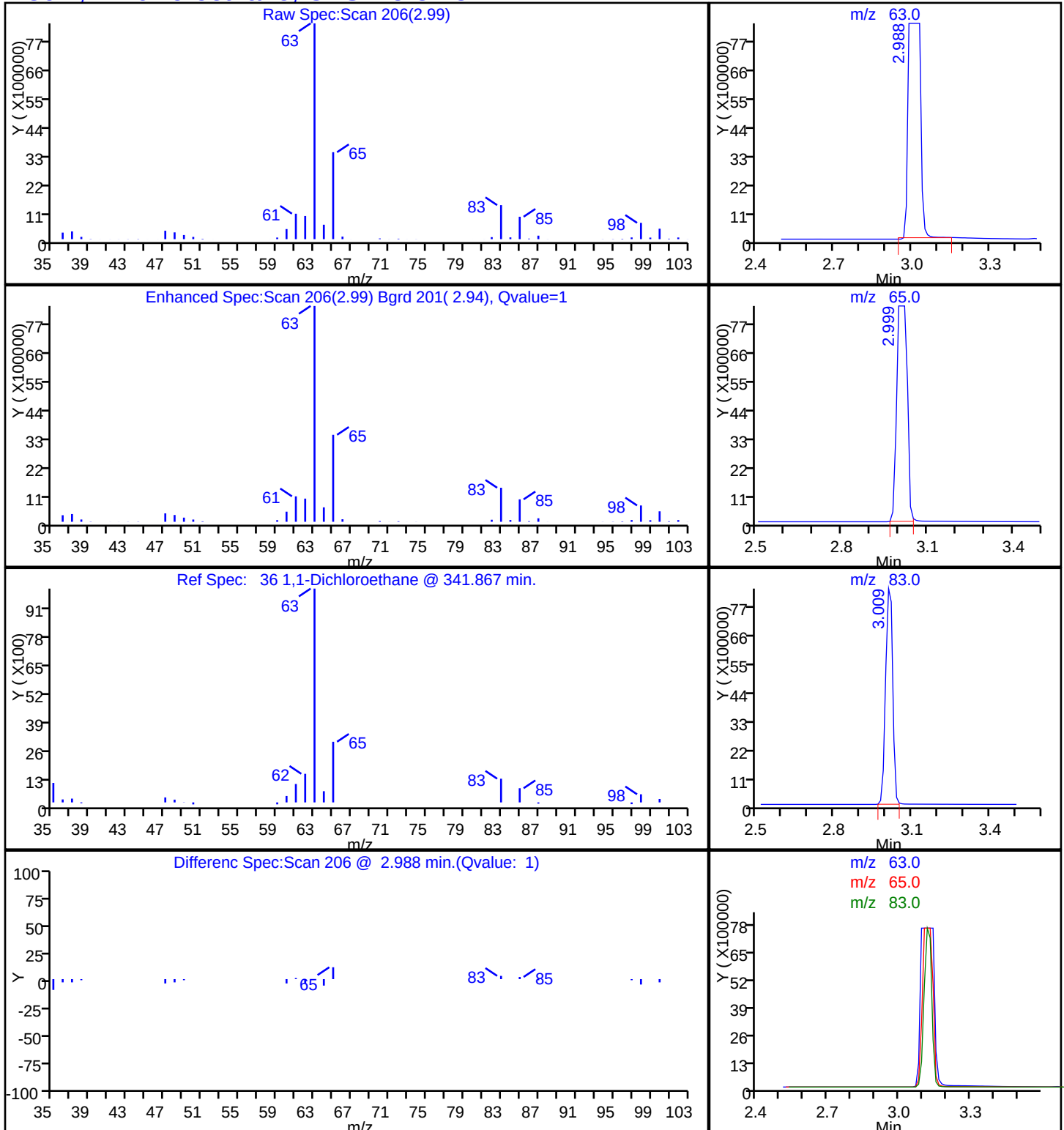
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

36 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2571.D

Injection Date: 23-Jun-2014 14:25:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-2

Lab Sample ID: 480-61593-2

Client ID: MW-6D

Operator ID: LH/CN

ALS Bottle#: 39

Worklist Smp#: 12

Purge Vol: 5.000 mL

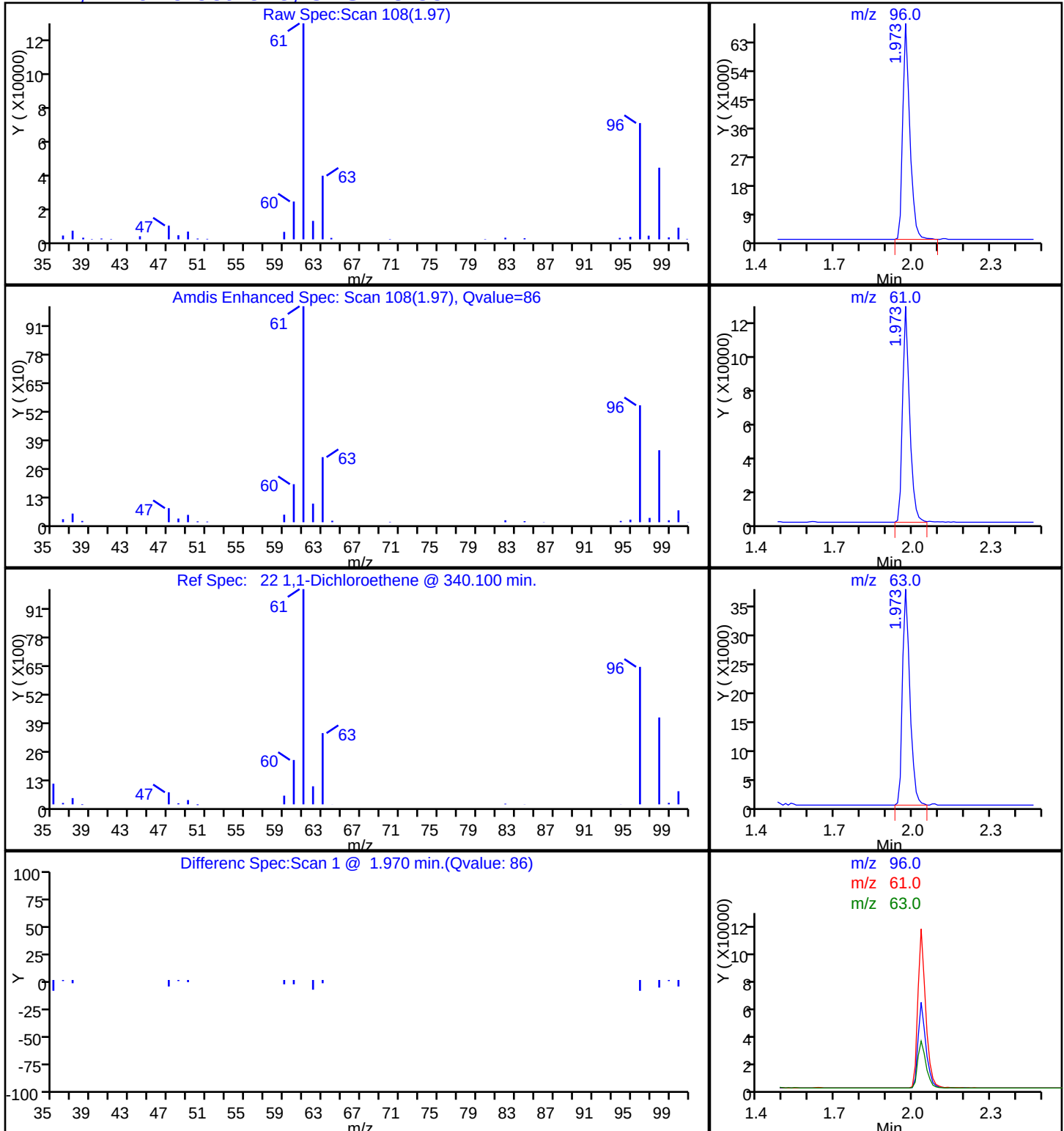
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2571.D

Injection Date: 23-Jun-2014 14:25:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-2

Lab Sample ID: 480-61593-2

Client ID: MW-6D

Operator ID: LH/CN

ALS Bottle#: 39

Worklist Smp#: 12

Purge Vol: 5.000 mL

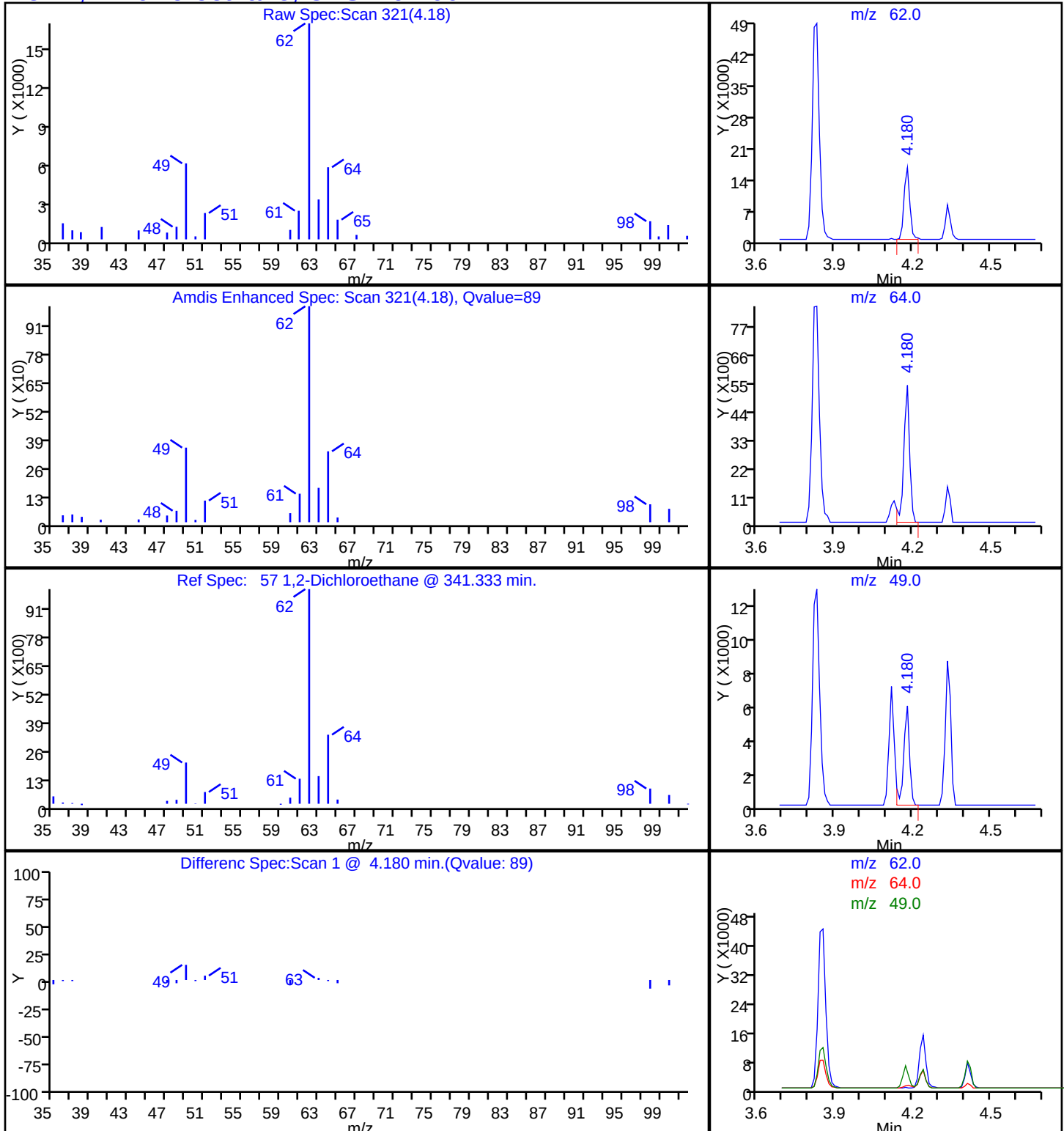
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector MS SCAN

57 1,2-Dichloroethane, CAS: 107-06-2

TestAmerica Buffalo

Data File: \\Bufchrom\\ChromData\\HP5975T\\20140623-33200.b\\T2571.D

Injection Date: 23-Jun-2014 14:25:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-2

Lab Sample ID: 480-61593-2

Client ID: MW-6D

Operator ID: LH/CN

ALS Bottle#: 39

Worklist Smp#: 12

Purge Vol: 5.000 mL

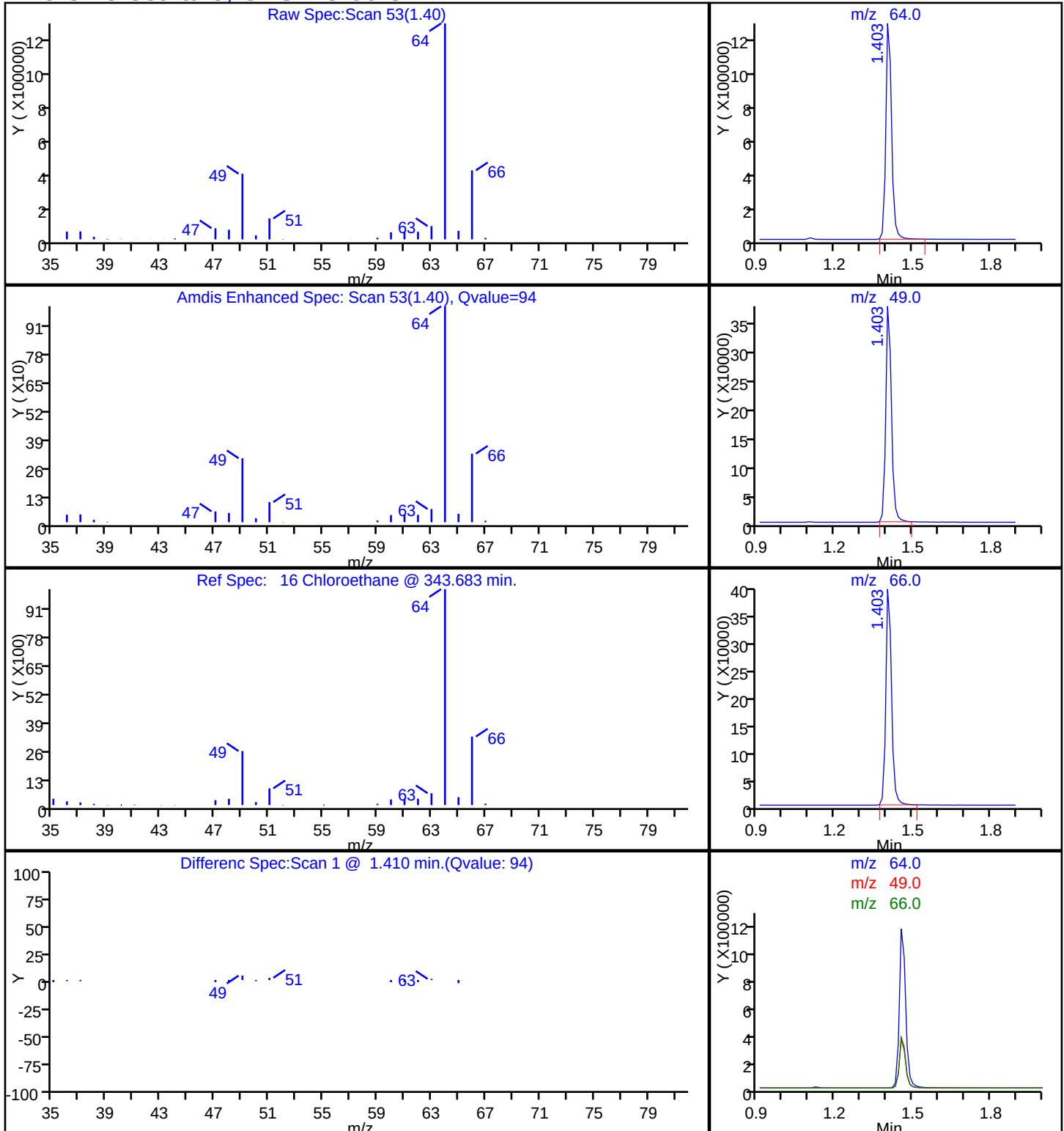
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2571.D

Injection Date: 23-Jun-2014 14:25:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-2

Lab Sample ID: 480-61593-2

Client ID: MW-6D

Operator ID: LH/CN

ALS Bottle#: 39

Worklist Smp#: 12

Purge Vol: 5.000 mL

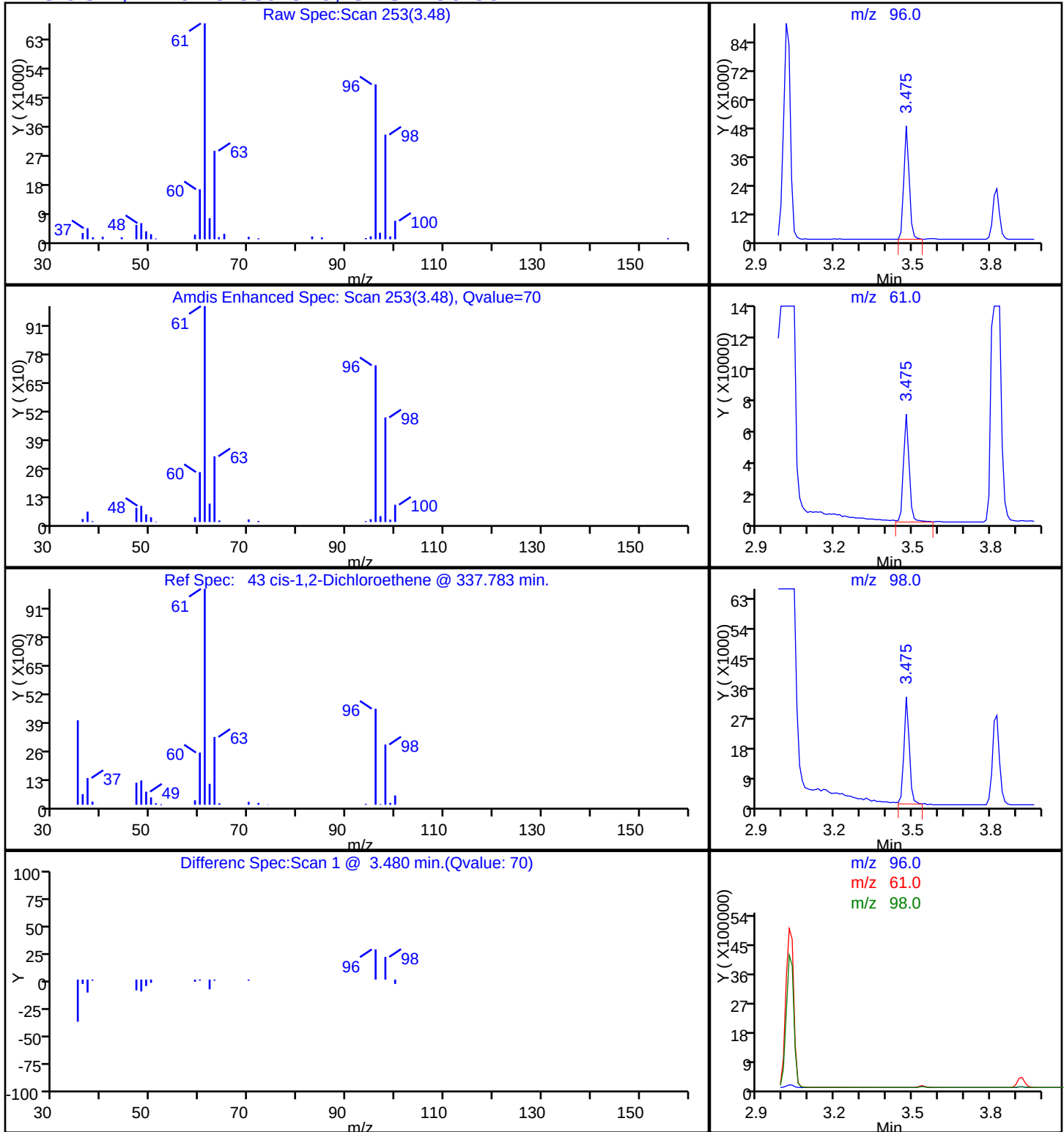
Dil. Factor: 1.0000

Method: T-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\HP5975T\20140623-33200.b\T2571.D

Injection Date: 23-Jun-2014 14:25:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-2

Lab Sample ID: 480-61593-2

Client ID: MW-6D

Operator ID: LH/CN

ALS Bottle#: 39

Worklist Smp#: 12

Purge Vol: 5.000 mL

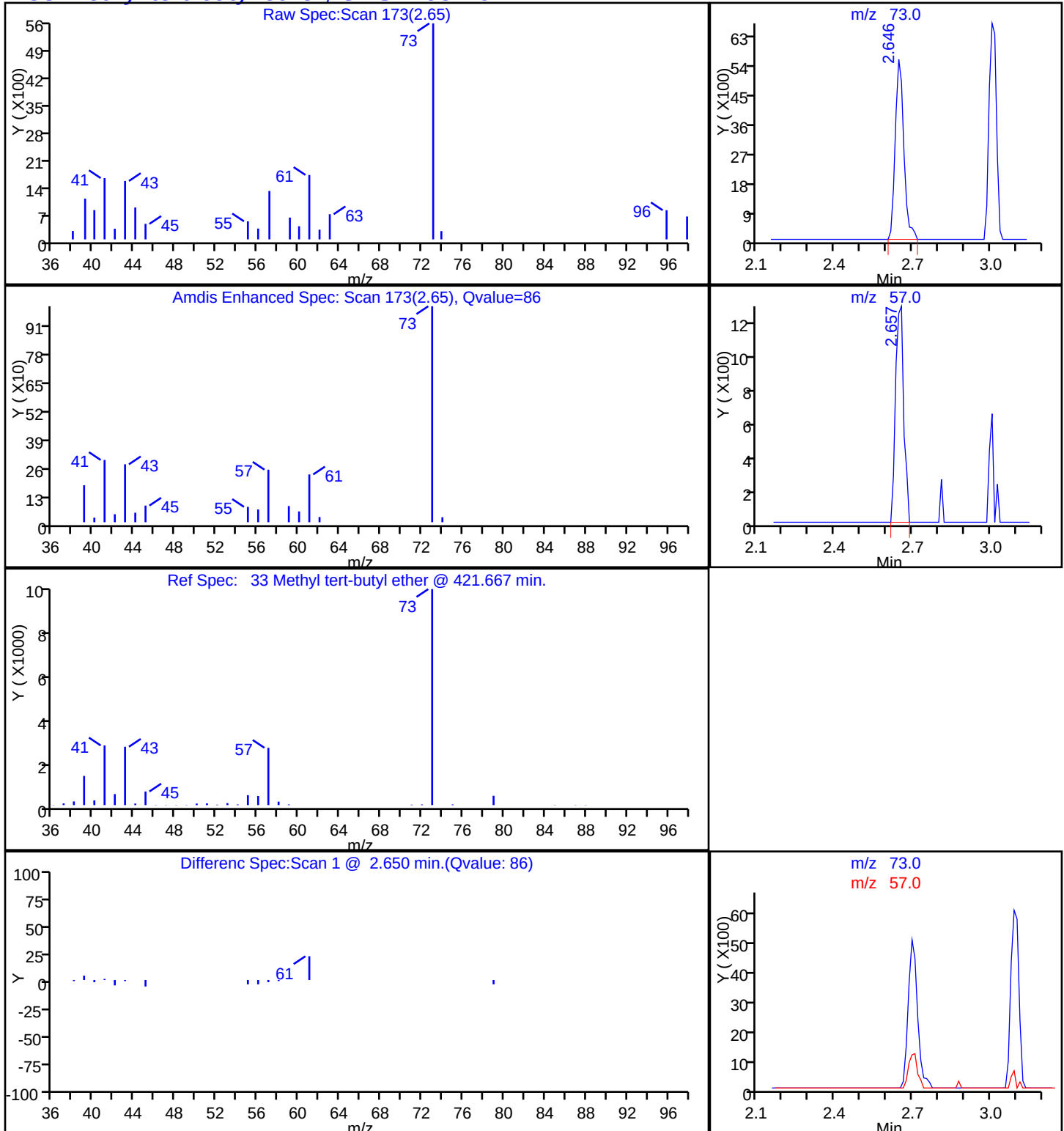
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

33 Methyl tert-butyl ether, CAS: 1634-04-4

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2571.D

Injection Date: 23-Jun-2014 14:25:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-2

Lab Sample ID: 480-61593-2

Client ID: MW-6D

Operator ID: LH/CN

ALS Bottle#: 39

Worklist Smp#: 12

Purge Vol: 5.000 mL

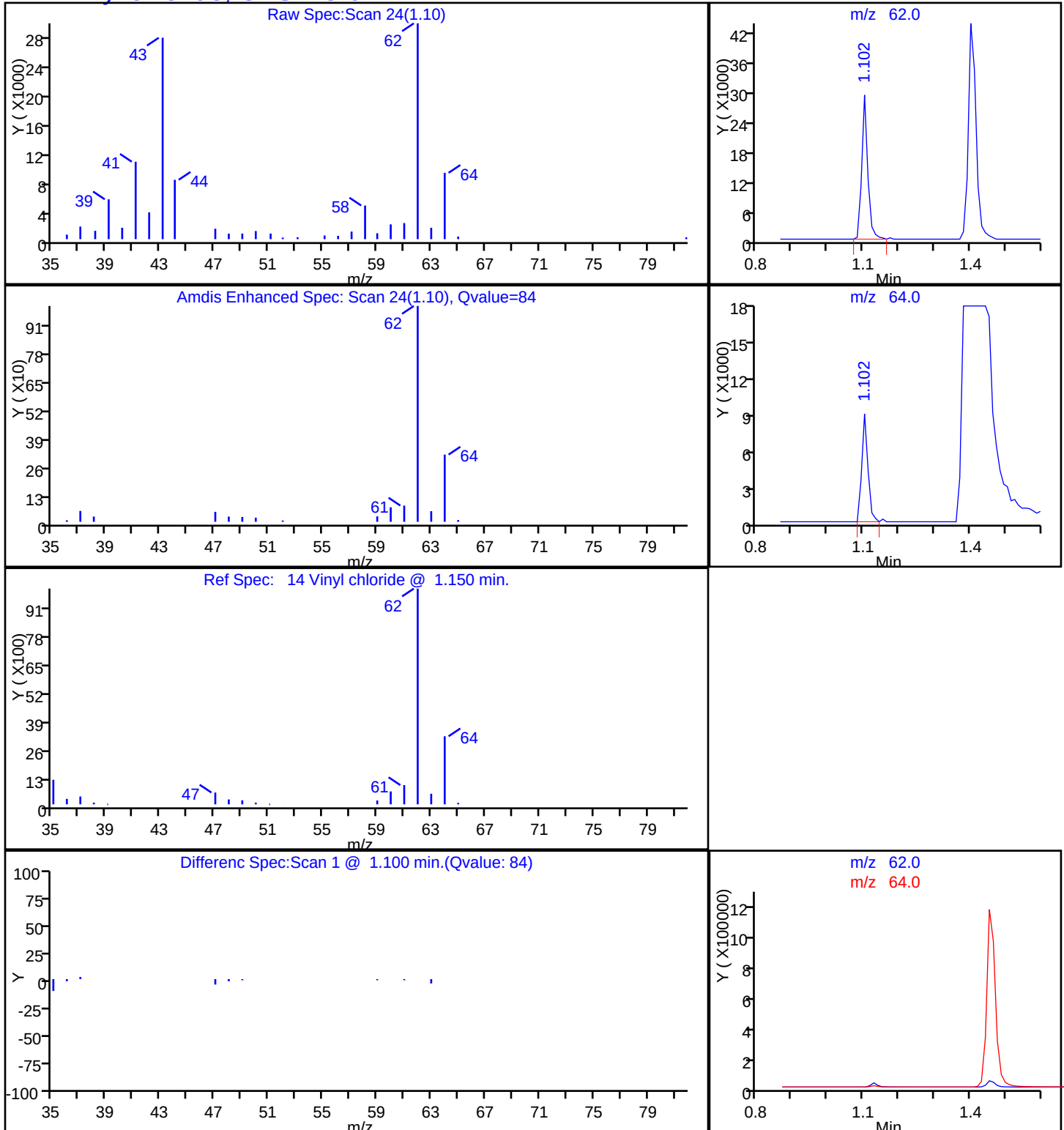
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

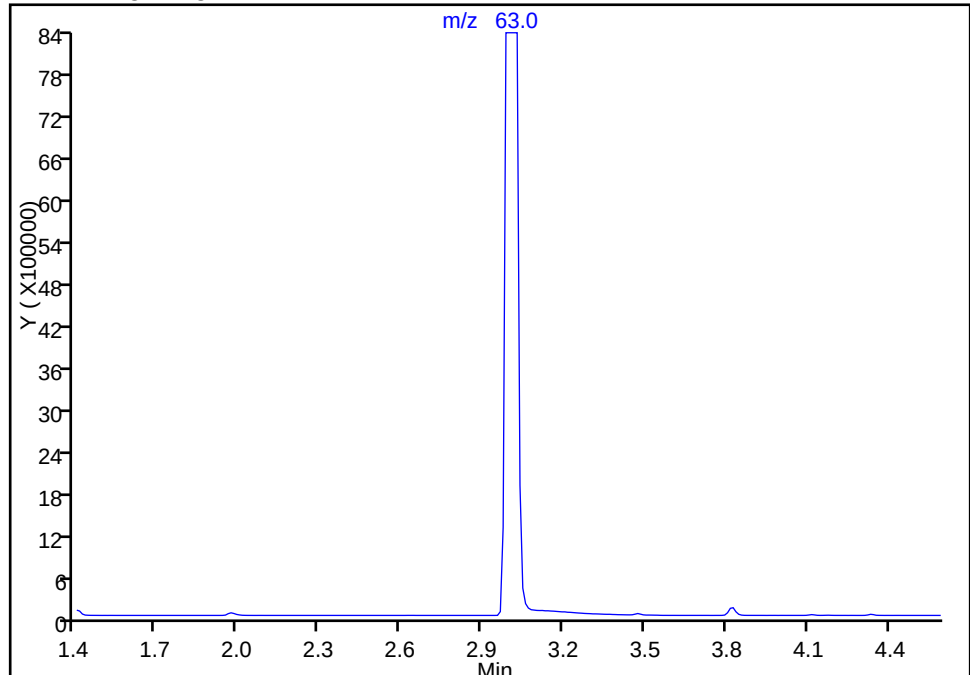
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2571.D		
Injection Date:	23-Jun-2014 14:25:30	Instrument ID:	HP5975T
Lims ID:	480-61593-A-2	Lab Sample ID:	480-61593-2
Client ID:	MW-6D		
Operator ID:	LH/CN	ALS Bottle#:	39
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	12

36 1,1-Dichloroethane, CAS: 75-34-3

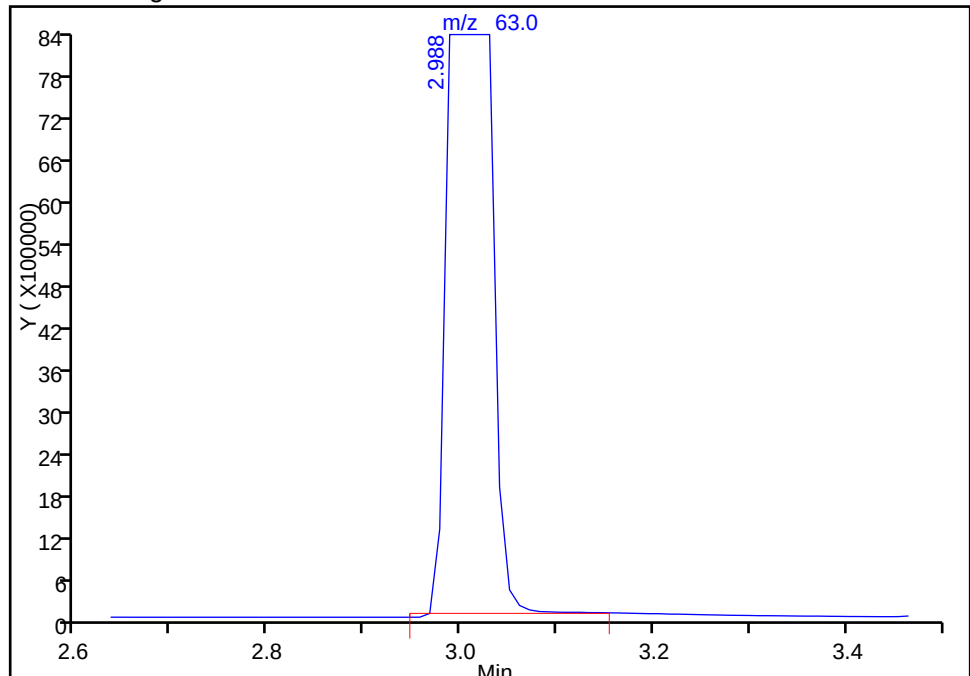
Not Detected
Expected RT: 3.00

Processing Integration Results



RT: 2.99
Response: 28106887
Amount: 2572.6418

Manual Integration Results



Reviewer: goliszekg, 24-Jun-2014 03:46:17
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6D DL Lab Sample ID: 480-61593-2 DL

Matrix: Water Lab File ID: T2631.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:15

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 14:15

Soil Aliquot Vol: _____ Dilution Factor: 200

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

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

Analysis Batch No.: 189443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	164	U	200	164
79-34-5	1,1,2,2-Tetrachloroethane	42.0	U	200	42.0
79-00-5	1,1,2-Trichloroethane	46.0	U	200	46.0
76-13-1	1,1,2-Trichlorotrifluoroethane	62.0	U	200	62.0
75-34-3	1,1-Dichloroethane	11800		200	76.0
75-35-4	1,1-Dichloroethene	58.0	U	200	58.0
120-82-1	1,2,4-Trichlorobenzene	82.0	U	200	82.0
96-12-8	1,2-Dibromo-3-Chloropropane	78.0	U	200	78.0
106-93-4	1,2-Dibromoethane (EDB)	146	U	200	146
95-50-1	1,2-Dichlorobenzene	158	U	200	158
107-06-2	1,2-Dichloroethane	42.0	U	200	42.0
540-59-0	1,2-Dichloroethene, Total	162	U	400	162
78-87-5	1,2-Dichloropropane	144	U	200	144
541-73-1	1,3-Dichlorobenzene	156	U	200	156
106-46-7	1,4-Dichlorobenzene	168	U	200	168
78-93-3	2-Butanone (MEK)	264	U	2000	264
591-78-6	2-Hexanone	248	U	1000	248
108-10-1	4-Methyl-2-pentanone (MIBK)	420	U	1000	420
67-64-1	Acetone	600	U	2000	600
71-43-2	Benzene	82.0	U	200	82.0
75-27-4	Bromodichloromethane	78.0	U	200	78.0
75-25-2	Bromoform	52.0	U	200	52.0
74-83-9	Bromomethane	138	U	200	138
75-15-0	Carbon disulfide	38.0	U	200	38.0
56-23-5	Carbon tetrachloride	54.0	U	200	54.0
108-90-7	Chlorobenzene	150	U	200	150
124-48-1	Chlorodibromomethane	64.0	U	200	64.0
75-00-3	Chloroethane	568		200	64.0
67-66-3	Chloroform	68.0	U	200	68.0
74-87-3	Chloromethane	70.0	U	200	70.0
156-59-2	cis-1,2-Dichloroethene	162	U	200	162
10061-01-5	cis-1,3-Dichloropropene	72.0	U	200	72.0
110-82-7	Cyclohexane	36.0	U	200	36.0
75-71-8	Dichlorodifluoromethane	136	U	200	136
100-41-4	Ethylbenzene	148	U	200	148
98-82-8	Isopropylbenzene	158	U	200	158

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6D DL Lab Sample ID: 480-61593-2 DL

Matrix: Water Lab File ID: T2631.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:15

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 14:15

Soil Aliquot Vol: _____ Dilution Factor: 200

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

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

Analysis Batch No.: 189443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	100	U	200	100
1634-04-4	Methyl tert-butyl ether	32.0	U	200	32.0
108-87-2	Methylcyclohexane	32.0	U	200	32.0
75-09-2	Methylene Chloride	88.0	U	200	88.0
100-42-5	Styrene	146	U	200	146
127-18-4	Tetrachloroethene	72.0	U	200	72.0
108-88-3	Toluene	102	U	200	102
156-60-5	trans-1,2-Dichloroethene	180	U	200	180
10061-02-6	trans-1,3-Dichloropropene	74.0	U	200	74.0
79-01-6	Trichloroethene	92.0	U	200	92.0
75-69-4	Trichlorofluoromethane	176	U	200	176
75-01-4	Vinyl chloride	180	U	200	180
1330-20-7	Xylenes, Total	132	U	400	132

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		66-137
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		60-140
2037-26-5	Toluene-d8 (Surr)	94		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2631.D
 Lims ID: 480-61593-C-2 Lab Sample ID: 480-61593-2
 Client ID: MW-6D
 Sample Type: Client
 Inject. Date: 24-Jun-2014 14:15:30 ALS Bottle#: 40 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 200.0000
 Sample Info: 480-61593-C-2
 Misc. Info.: 480-0033223-011
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 25-Jun-2014 08:49:41 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK037

First Level Reviewer: manc

Date: 25-Jun-2014 08:45:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.335	0.000	98	456812	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	87	346613	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	97	158644	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	57	120230	25.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	152816	24.5	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	94	437201	23.6	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	87	120938	23.4	
11 Dichlorodifluoromethane	85		0.905				ND	
12 Chlorodifluoromethane	51		0.926				ND	
13 Chloromethane	50		1.019				ND	
14 Vinyl chloride	62		1.102				ND	
151 Butadiene	54		1.123				ND	
15 Bromomethane	94		1.320				ND	
16 Chloroethane	64	1.403	1.382	0.021	87	9195	2.84	
17 Trichlorofluoromethane	101		1.537				ND	
18 Dichlorofluoromethane	67		1.558				ND	
19 Ethyl ether	59		1.807				ND	
148 Ethanol	45		1.817				ND	
84 Propene oxide	58		1.869				ND	
21 Acrolein	56		1.962				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		1.962				ND	
22 1,1-Dichloroethene	96		1.962				ND	
24 Iodomethane	142		2.097				ND	
23 Acetone	43		2.118				ND	
25 Carbon disulfide	76		2.128				ND	
26 Isopropyl alcohol	45		2.294				ND	
27 3-Chloro-1-propene	41		2.304				ND	
28 Methyl acetate	43		2.377				ND	
29 Acetonitrile	40		2.387				ND	
30 Methylene Chloride	84	2.439	2.439	0.000	78	6241	0.1532	
32 trans-1,2-Dichloroethene	96		2.636				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73		2.646				ND	
31 2-Methyl-2-propanol	59		2.657				ND	
34 Acrylonitrile	53		2.708				ND	
35 Hexane	57		2.802				ND	
36 1,1-Dichloroethane	63	2.999	2.999	0.000	86	568648	58.8	
37 Isopropyl ether	45		3.030				ND	
38 2-Chloro-1,3-butadiene	53		3.050				ND	
139 Halothane	117		3.061				ND	
39 Vinyl acetate	43		3.071				ND	
40 1,1-Dimethoxyethane	75		3.102				ND	
41 Tert-butyl ethyl ether	59		3.320				ND	
42 2,2-Dichloropropane	77		3.444				ND	
43 cis-1,2-Dichloroethene	96		3.475				ND	
44 2-Butanone (MEK)	43		3.538				ND	
45 Ethyl acetate	43		3.558				ND	
46 Propionitrile	54		3.620				ND	
47 Chlorobromomethane	128		3.672				ND	
49 Methacrylonitrile	41		3.703				ND	
48 Tetrahydrofuran	42		3.703				ND	
50 Chloroform	83		3.734				ND	
52 Cyclohexane	56		3.817				ND	
51 1,1,1-Trichloroethane	97	3.828	3.817	0.011	68	5590	0.7596	
53 Carbon tetrachloride	117		3.931				ND	
54 1,1-Dichloropropene	75		3.942				ND	
152 Isooctane	57		4.118				ND	
55 Benzene	78		4.118				ND	
56 Isobutyl alcohol	43		4.180				ND	
57 1,2-Dichloroethane	62		4.180				ND	
58 Tert-amyl methyl ether	73		4.190				ND	
147 t-Amyl alcohol	59		4.211				ND	
59 n-Heptane	43		4.263				ND	
1 1,4-Difluorobenzene	114		4.429				ND	
141 2,4,4-Trimethyl-1-pentene	55		4.522				ND	
60 Trichloroethene	95		4.605				ND	
61 n-Butanol	56		4.667				ND	
62 Methylcyclohexane	83		4.688				ND	
140 2,4,4-Trimethyl-2-pentene	97		4.709				ND	
142 Ethyl acrylate	55		4.729				ND	
63 1,2-Dichloropropane	63		4.802				ND	
64 Methyl methacrylate	41		4.895				ND	
65 Dibromomethane	93		4.895				ND	
66 1,4-Dioxane	88		4.937				ND	
67 Dichlorobromomethane	83		5.030				ND	
68 2-Nitropropane	43		5.237				ND	
69 2-Chloroethyl vinyl ether	63		5.258				ND	
70 Epichlorohydrin	57		5.320				ND	
71 cis-1,3-Dichloropropene	75		5.351				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.475				ND	
73 Toluene	92		5.569				ND	
74 2-Methylthiophene	97		5.672				ND	
75 trans-1,3-Dichloropropene	75		5.786				ND	
76 3-Methylthiophene	97		5.797				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
77 Ethyl methacrylate	69		5.838				ND	
78 1,1,2-Trichloroethane	83		5.931				ND	
79 Tetrachloroethene	166		5.962				ND	
80 1,3-Dichloropropane	76		6.045				ND	
81 2-Hexanone	43		6.118				ND	
155 n-Butyl acetate	43		6.201				ND	
82 Chlorodibromomethane	129		6.222				ND	
83 Ethylene Dibromide	107		6.294				ND	
146 1-Chlorohexane	55	6.626	6.626	0.000	8	4192	-0.5018	
85 3-Chlorobenzotrifluoride	180		6.636				ND	
86 Chlorobenzene	112		6.657				ND	
87 4-Chlorobenzotrifluoride	180		6.688				ND	
89 1,1,1,2-Tetrachloroethane	131		6.729				ND	
88 Ethylbenzene	91		6.729				ND	
90 m-Xylene & p-Xylene	106		6.823				ND	
91 o-Xylene	106		7.133				ND	
92 Styrene	104		7.154				ND	
93 Bromoform	173		7.330				ND	
94 2-Chlorobenzotrifluoride	180		7.361				ND	
95 Isopropylbenzene	105		7.413				ND	
96 Cyclohexanone	55		7.558				ND	
97 Bromobenzene	156		7.672				ND	
98 1,1,2,2-Tetrachloroethane	83		7.724				ND	
99 N-Propylbenzene	91		7.745				ND	
100 1,2,3-Trichloropropane	110		7.755				ND	
101 trans-1,4-Dichloro-2-buten	53		7.766				ND	
105 2-Chlorotoluene	126		7.828				ND	
103 3-Chlorotoluene	126		7.880				ND	
104 1,3,5-Trimethylbenzene	105		7.890				ND	
102 4-Chlorotoluene	91		7.911				ND	
106 tert-Butylbenzene	134		8.149				ND	
108 Pentachloroethane	167		8.190				ND	
107 1,2,4-Trimethylbenzene	105		8.191				ND	
109 sec-Butylbenzene	105		8.325				ND	
110 1,3-Dichlorobenzene	146		8.429				ND	
111 4-Isopropyltoluene	119		8.450				ND	
112 Dicyclopentadiene	66	8.491	8.481	0.010	38	4874	0.2013	
113 1,4-Dichlorobenzene	146		8.512				ND	
114 1,2,3-Trimethylbenzene	105		8.532				ND	
150 Benzyl chloride	126		8.646				ND	
115 n-Butylbenzene	91		8.781				ND	
116 1,2-Dichlorobenzene	146		8.812				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.486				ND	
118 1,3,5-Trichlorobenzene	180		9.600				ND	
119 1,2,4-Trichlorobenzene	180		10.118				ND	
120 Hexachlorobutadiene	225		10.232				ND	
121 Naphthalene	128		10.336				ND	
122 1,2,3-Trichlorobenzene	180		10.533				ND	
149 2-Methylnaphthalene	142		11.237				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	OnCol Amt ug/L	Flags
138 cis-1,4-Dichloro-2-butene	88		0.000				ND	
136 Nitrobenzene	77		0.000				ND	
135 Hexachloroethane	117		0.000				ND	
137 Methyl acrylate	1		0.000				ND	
S 123 1,3-Dichloropropene, Total	1		30.000				0	
S 124 1,2-Dichloroethene, Total	1		30.000				0	
S 125 Total BTEX	1		30.000				0	
S 126 Xylenes, Total	1		30.000				0	
T 131 tert-amyl alcohol TIC	1		0.000				0	
T 130 Bromoethane TIC	1		0.000				0	
T 132 bis(chloromethyl)ether TIC	1		0.000				0	
T 134 1-Bromopropane	1		0.000				0	
T 133 Pentachloroethane TIC	1		0.000				0	
T 129 Aziridine TIC	1		0.000				0	
T 128 Hexachloroethane TIC	117		0.000				0	
T 127 Ethanol TIC	1		0.000				0	
T 9 bis(2-chloromethyl)ether T	1		0.000				0	
T 10 Ethylene oxide	1		0.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2631.D

Injection Date: 24-Jun-2014 14:15:30

Instrument ID: HP5975T

Operator ID: LH/CN

Lims ID: 480-61593-C-2

Lab Sample ID: 480-61593-2

Worklist Smp#: 11

Client ID: MW-6D

Purge Vol: 5.000 mL

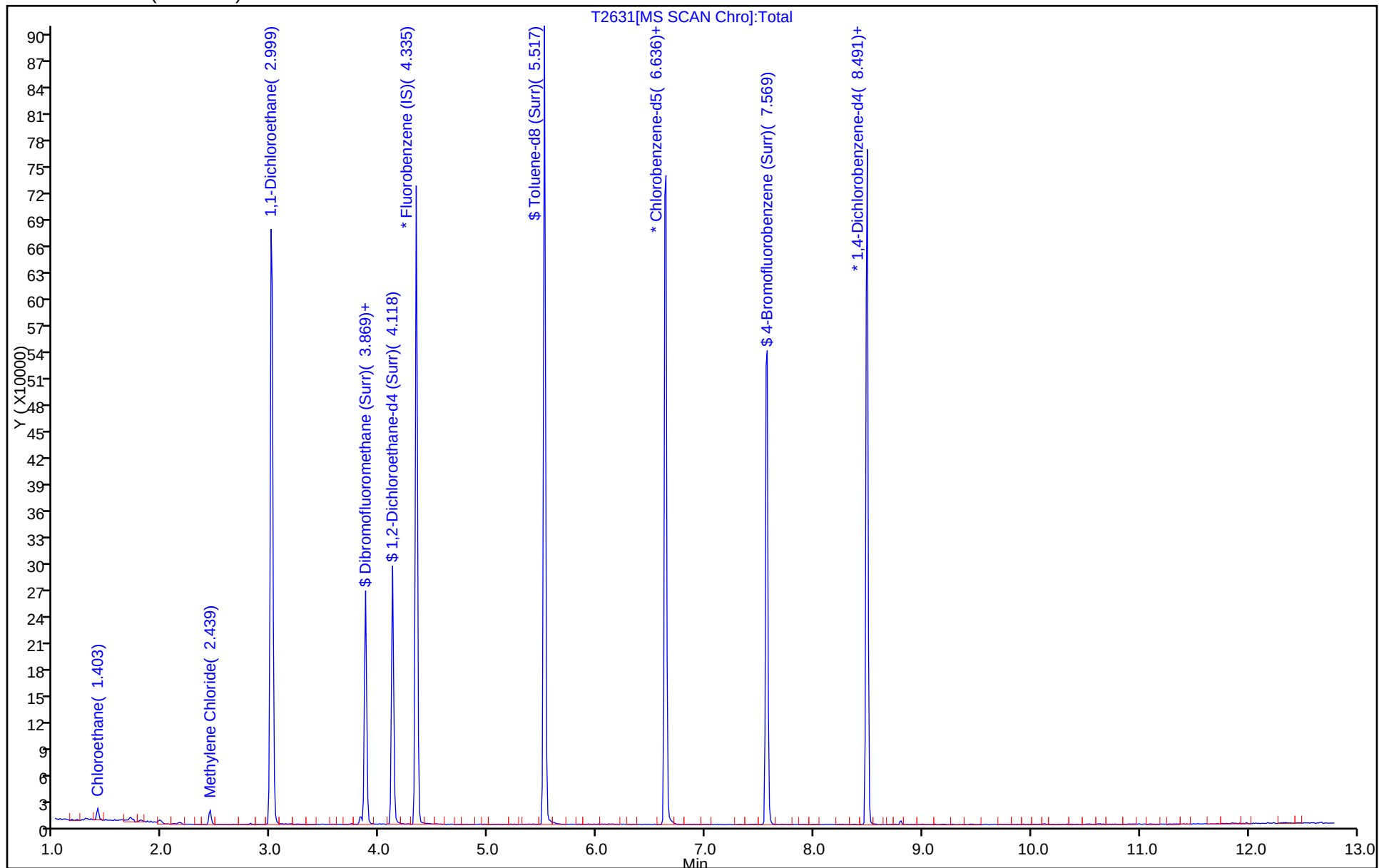
Dil. Factor: 200.0000

ALS Bottle#: 40

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2631.D

Injection Date: 24-Jun-2014 14:15:30

Instrument ID: HP5975T

Lims ID: 480-61593-C-2

Lab Sample ID: 480-61593-2

Client ID: MW-6D

Operator ID: LH/CN

ALS Bottle#: 40

Worklist Smp#: 11

Purge Vol: 5.000 mL

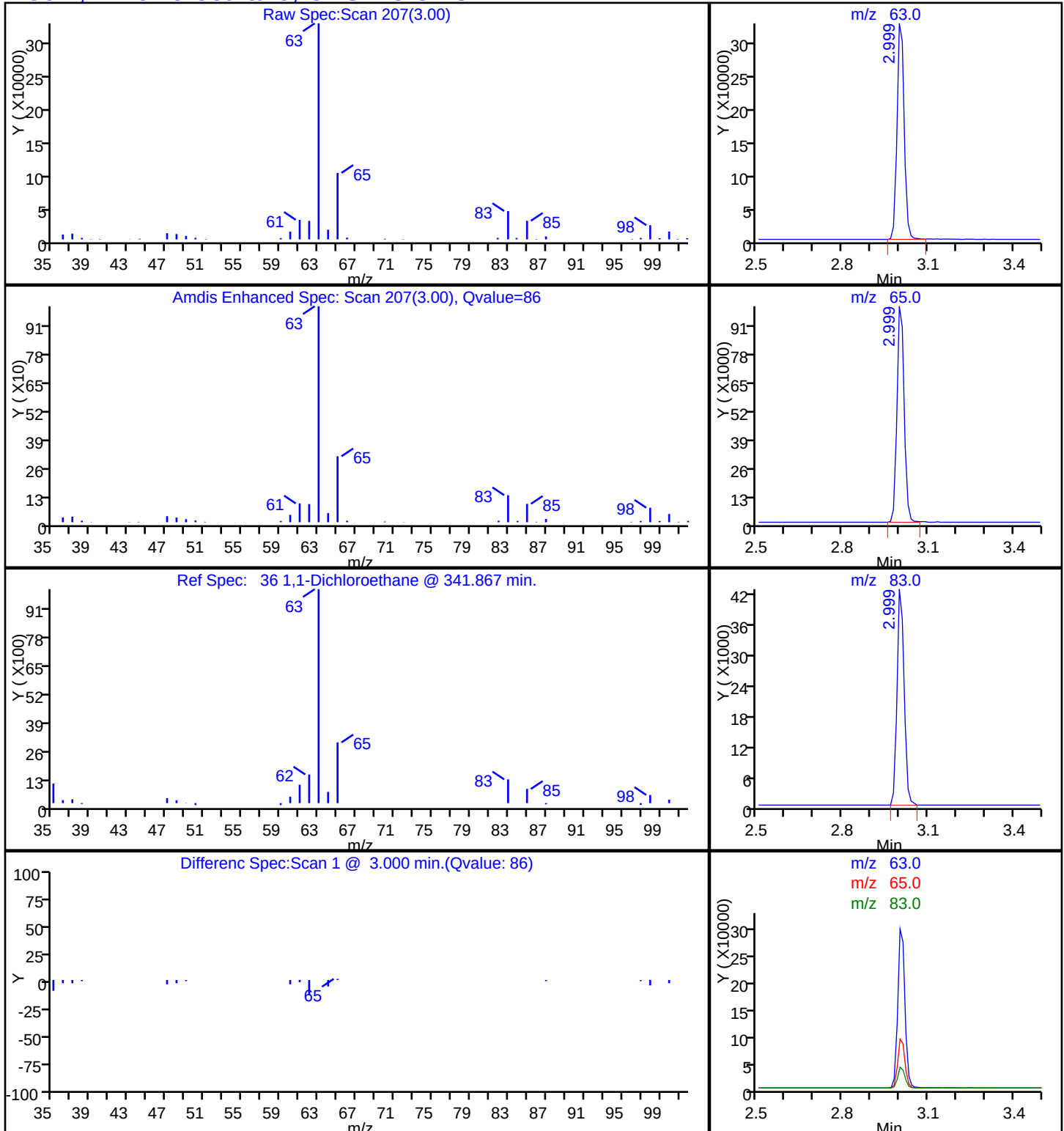
Dil. Factor: 200.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

36 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2631.D

Injection Date: 24-Jun-2014 14:15:30

Instrument ID: HP5975T

Lims ID: 480-61593-C-2

Lab Sample ID: 480-61593-2

Client ID: MW-6D

Operator ID: LH/CN

ALS Bottle#: 40

Worklist Smp#: 11

Purge Vol: 5.000 mL

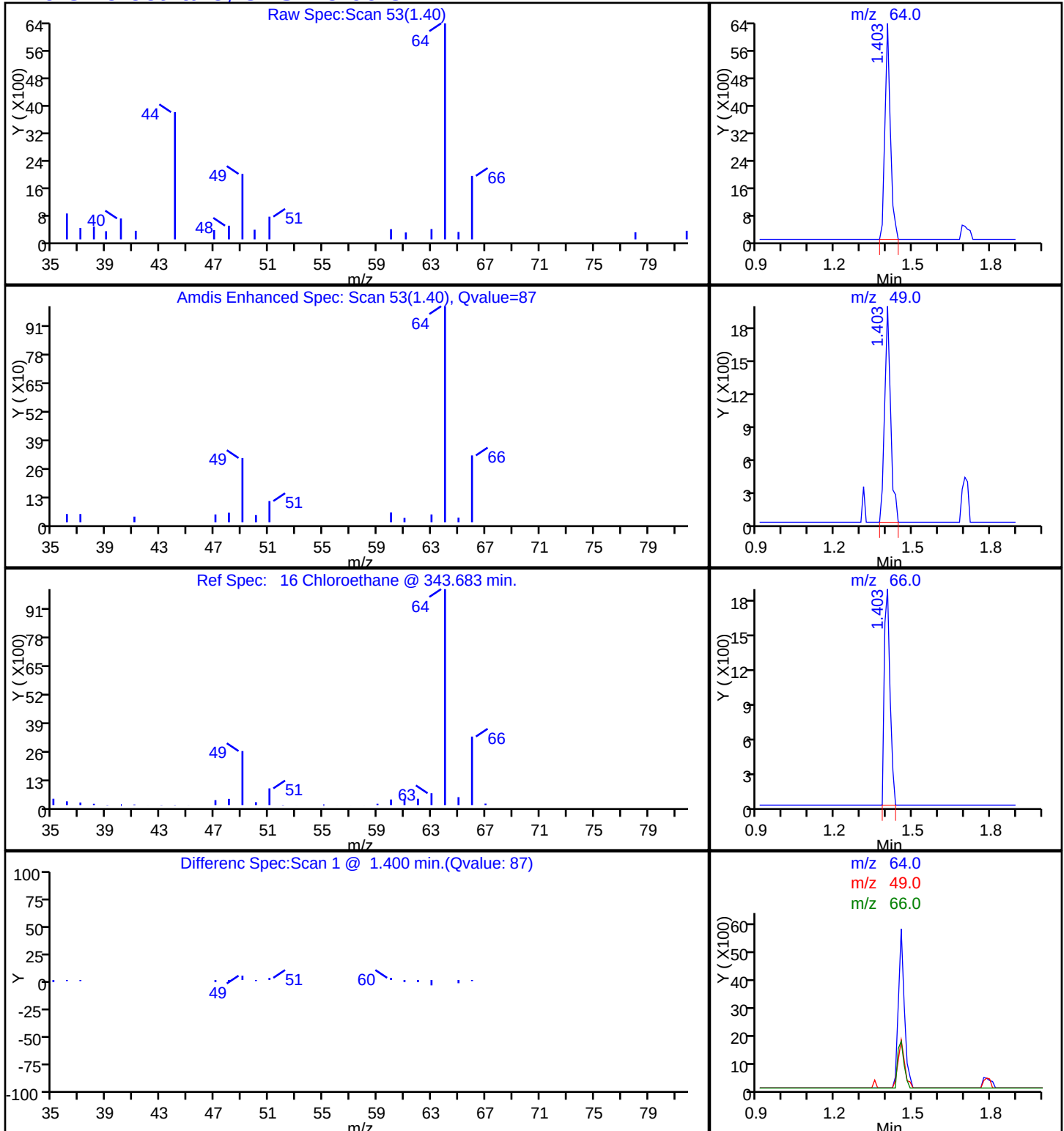
Dil. Factor: 200.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-7S Lab Sample ID: 480-61593-3

Matrix: Water Lab File ID: T2632.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:30

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 14:39

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.: 189443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.820	U	1.00	0.820
79-34-5	1,1,2,2-Tetrachloroethane	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.230	U	1.00	0.230
76-13-1	1,1,2-Trichlorotrifluoroethane	0.310	U	1.00	0.310
75-34-3	1,1-Dichloroethane	0.380	U	1.00	0.380
75-35-4	1,1-Dichloroethene	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.410	U	1.00	0.410
96-12-8	1,2-Dibromo-3-Chloropropane	0.390	U	1.00	0.390
106-93-4	1,2-Dibromoethane (EDB)	0.730	U	1.00	0.730
95-50-1	1,2-Dichlorobenzene	0.790	U	1.00	0.790
107-06-2	1,2-Dichloroethane	0.210	U	1.00	0.210
540-59-0	1,2-Dichloroethene, Total	0.810	U	2.00	0.810
78-87-5	1,2-Dichloropropane	0.720	U	1.00	0.720
541-73-1	1,3-Dichlorobenzene	0.780	U	1.00	0.780
106-46-7	1,4-Dichlorobenzene	0.840	U	1.00	0.840
78-93-3	2-Butanone (MEK)	1.32	U	10.0	1.32
591-78-6	2-Hexanone	1.24	U	5.00	1.24
108-10-1	4-Methyl-2-pentanone (MIBK)	2.10	U	5.00	2.10
67-64-1	Acetone	3.00	U	10.0	3.00
71-43-2	Benzene	0.410	U	1.00	0.410
75-27-4	Bromodichloromethane	0.390	U	1.00	0.390
75-25-2	Bromoform	0.260	U	1.00	0.260
74-83-9	Bromomethane	0.690	U	1.00	0.690
75-15-0	Carbon disulfide	0.190	U	1.00	0.190
56-23-5	Carbon tetrachloride	0.270	U	1.00	0.270
108-90-7	Chlorobenzene	0.750	U	1.00	0.750
124-48-1	Chlorodibromomethane	0.320	U	1.00	0.320
75-00-3	Chloroethane	0.320	U	1.00	0.320
67-66-3	Chloroform	0.340	U	1.00	0.340
74-87-3	Chloromethane	0.350	U	1.00	0.350
156-59-2	cis-1,2-Dichloroethene	0.810	U	1.00	0.810
10061-01-5	cis-1,3-Dichloropropene	0.360	U	1.00	0.360
110-82-7	Cyclohexane	0.180	U	1.00	0.180
75-71-8	Dichlorodifluoromethane	0.680	U	1.00	0.680
100-41-4	Ethylbenzene	0.740	U	1.00	0.740
98-82-8	Isopropylbenzene	0.790	U	1.00	0.790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-7S Lab Sample ID: 480-61593-3

Matrix: Water Lab File ID: T2632.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:30

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 14:39

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.: 189443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.500	U	1.00	0.500
1634-04-4	Methyl tert-butyl ether	0.160	U	1.00	0.160
108-87-2	Methylcyclohexane	0.160	U	1.00	0.160
75-09-2	Methylene Chloride	0.440	U	1.00	0.440
100-42-5	Styrene	0.730	U	1.00	0.730
127-18-4	Tetrachloroethene	0.360	U	1.00	0.360
108-88-3	Toluene	0.510	U	1.00	0.510
156-60-5	trans-1,2-Dichloroethene	0.900	U	1.00	0.900
10061-02-6	trans-1,3-Dichloropropene	0.370	U	1.00	0.370
79-01-6	Trichloroethene	0.460	U	1.00	0.460
75-69-4	Trichlorofluoromethane	0.880	U	1.00	0.880
75-01-4	Vinyl chloride	0.900	U	1.00	0.900
1330-20-7	Xylenes, Total	0.660	U	2.00	0.660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		66-137
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		60-140
2037-26-5	Toluene-d8 (Surr)	96		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2632.D
 Lims ID: 480-61593-B-3 Lab Sample ID: 480-61593-3
 Client ID: MW-7S
 Sample Type: Client
 Inject. Date: 24-Jun-2014 14:39:30 ALS Bottle#: 41 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-61593-B-3
 Misc. Info.: 480-0033223-012
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 20:50:50 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK037

First Level Reviewer: manc

Date: 25-Jun-2014 08:45:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.335	0.001	98	457413	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	87	346142	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	97	163781	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	118470	25.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	154506	24.8	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	95	442185	23.9	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	88	121559	23.6	
11 Dichlorodifluoromethane	85		0.905				ND	
13 Chloromethane	50		1.019				ND	
14 Vinyl chloride	62		1.102				ND	
15 Bromomethane	94		1.320				ND	
16 Chloroethane	64		1.382				ND	
17 Trichlorofluoromethane	101		1.537				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		1.962				ND	
22 1,1-Dichloroethene	96		1.962				ND	
23 Acetone	43	2.107	2.118	-0.011	65	3565	1.53	
25 Carbon disulfide	76		2.128				ND	
28 Methyl acetate	43		2.377				ND	
30 Methylene Chloride	84		2.439				ND	
32 trans-1,2-Dichloroethene	96		2.636				ND	
33 Methyl tert-butyl ether	73		2.646				ND	
36 1,1-Dichloroethane	63	2.999	2.999	0.000	32	3366	0.3473	
43 cis-1,2-Dichloroethene	96		3.475				ND	
44 2-Butanone (MEK)	43		3.538				ND	
50 Chloroform	83		3.734				ND	
52 Cyclohexane	56		3.817				ND	
51 1,1,1-Trichloroethane	97		3.817				ND	
53 Carbon tetrachloride	117		3.931				ND	
55 Benzene	78		4.118				ND	
57 1,2-Dichloroethane	62		4.180				ND	
1 1,4-Difluorobenzene	114		4.429				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
60 Trichloroethene	95		4.605				ND	
62 Methylcyclohexane	83		4.688				ND	
63 1,2-Dichloropropane	63		4.802				ND	
67 Dichlorobromomethane	83		5.030				ND	
71 cis-1,3-Dichloropropene	75		5.351				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.475				ND	
73 Toluene	92		5.569				ND	
75 trans-1,3-Dichloropropene	75		5.786				ND	
78 1,1,2-Trichloroethane	83		5.931				ND	
79 Tetrachloroethene	166		5.962				ND	
81 2-Hexanone	43		6.118				ND	
82 Chlorodibromomethane	129		6.222				ND	
83 Ethylene Dibromide	107		6.294				ND	
86 Chlorobenzene	112		6.657				ND	
88 Ethylbenzene	91		6.729				ND	
90 m-Xylene & p-Xylene	106		6.823				ND	
91 o-Xylene	106		7.133				ND	
92 Styrene	104		7.154				ND	
93 Bromoform	173		7.330				ND	
95 Isopropylbenzene	105		7.413				ND	
98 1,1,2,2-Tetrachloroethane	83		7.724				ND	
110 1,3-Dichlorobenzene	146		8.429				ND	
113 1,4-Dichlorobenzene	146		8.512				ND	
116 1,2-Dichlorobenzene	146		8.812				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.486				ND	
119 1,2,4-Trichlorobenzene	180		10.118				ND	
S 124 1,2-Dichloroethene, Total	1		30.000				0	
S 126 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2632.D

Injection Date: 24-Jun-2014 14:39:30

Instrument ID: HP5975T

Operator ID: LH/CN

Lims ID: 480-61593-B-3

Lab Sample ID: 480-61593-3

Worklist Smp#: 12

Client ID: MW-7S

Purge Vol: 5.000 mL

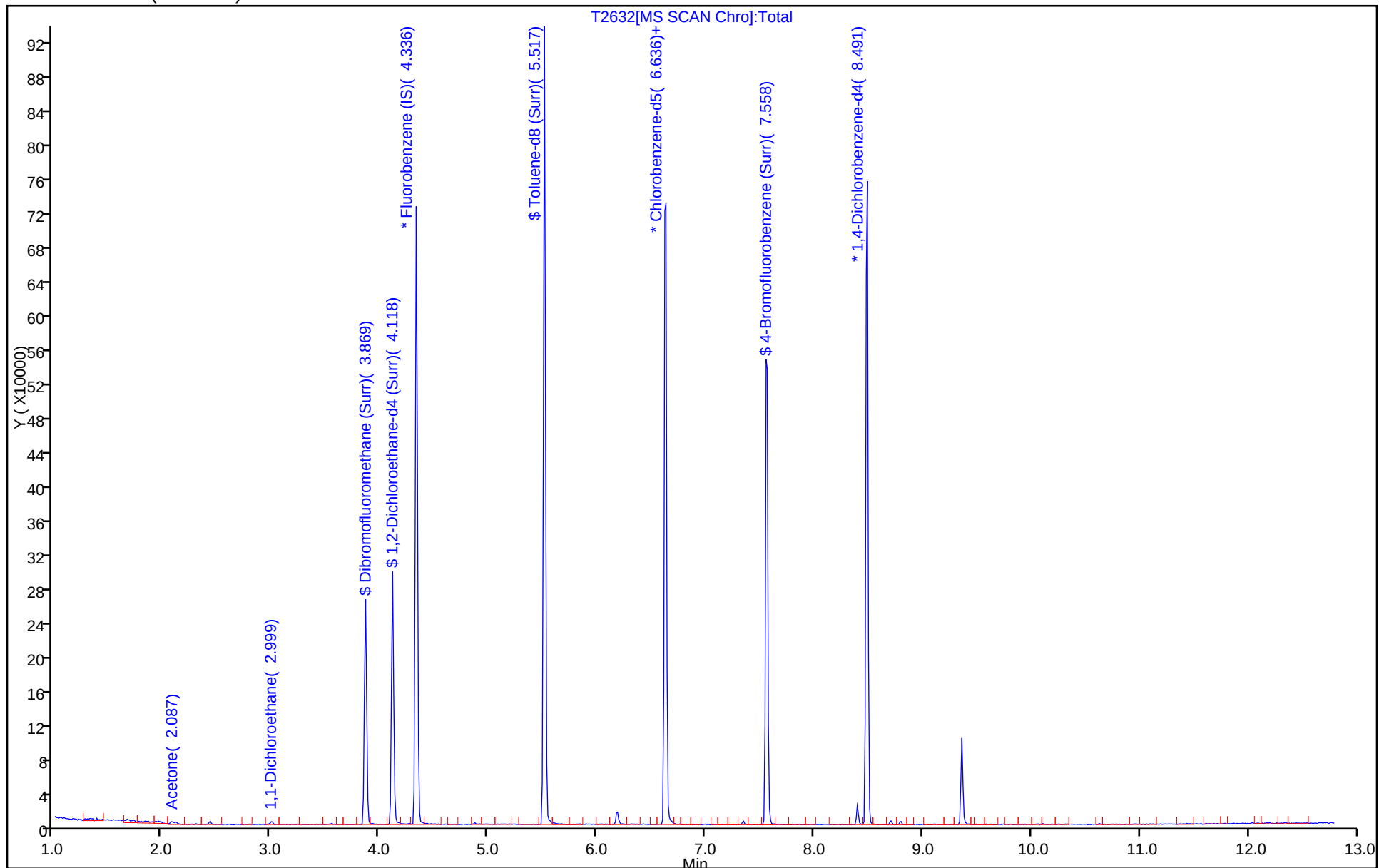
Dil. Factor: 1.0000

ALS Bottle#: 41

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-7D Lab Sample ID: 480-61593-4

Matrix: Water Lab File ID: T2573.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:45

Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 15:13

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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.820	U	1.00	0.820
79-34-5	1,1,2,2-Tetrachloroethane	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.230	U	1.00	0.230
76-13-1	1,1,2-Trichlorotrifluoroethane	0.310	U	1.00	0.310
75-34-3	1,1-Dichloroethane	0.380	U	1.00	0.380
75-35-4	1,1-Dichloroethene	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.410	U	1.00	0.410
96-12-8	1,2-Dibromo-3-Chloropropane	0.390	U	1.00	0.390
106-93-4	1,2-Dibromoethane (EDB)	0.730	U	1.00	0.730
95-50-1	1,2-Dichlorobenzene	0.790	U	1.00	0.790
107-06-2	1,2-Dichloroethane	0.210	U	1.00	0.210
540-59-0	1,2-Dichloroethene, Total	0.810	U	2.00	0.810
78-87-5	1,2-Dichloropropane	0.720	U	1.00	0.720
541-73-1	1,3-Dichlorobenzene	0.780	U	1.00	0.780
106-46-7	1,4-Dichlorobenzene	0.840	U	1.00	0.840
78-93-3	2-Butanone (MEK)	1.32	U	10.0	1.32
591-78-6	2-Hexanone	1.24	U	5.00	1.24
108-10-1	4-Methyl-2-pentanone (MIBK)	2.10	U	5.00	2.10
67-64-1	Acetone	3.00	U	10.0	3.00
71-43-2	Benzene	0.410	U	1.00	0.410
75-27-4	Bromodichloromethane	0.390	U	1.00	0.390
75-25-2	Bromoform	0.260	U	1.00	0.260
74-83-9	Bromomethane	0.690	U	1.00	0.690
75-15-0	Carbon disulfide	0.190	U	1.00	0.190
56-23-5	Carbon tetrachloride	0.270	U	1.00	0.270
108-90-7	Chlorobenzene	0.750	U	1.00	0.750
124-48-1	Chlorodibromomethane	0.320	U	1.00	0.320
75-00-3	Chloroethane	0.320	U	1.00	0.320
67-66-3	Chloroform	0.340	U	1.00	0.340
74-87-3	Chloromethane	0.350	U	1.00	0.350
156-59-2	cis-1,2-Dichloroethene	0.810	U	1.00	0.810
10061-01-5	cis-1,3-Dichloropropene	0.360	U	1.00	0.360
110-82-7	Cyclohexane	0.180	U	1.00	0.180
75-71-8	Dichlorodifluoromethane	0.680	U	1.00	0.680
100-41-4	Ethylbenzene	0.740	U	1.00	0.740
98-82-8	Isopropylbenzene	0.790	U	1.00	0.790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Client Sample ID: MW-7D Lab Sample ID: 480-61593-4
 Matrix: Water Lab File ID: T2573.D
 Analysis Method: 8260C Date Collected: 06/10/2014 13:45
 Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 15:13
 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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.500	U	1.00	0.500
1634-04-4	Methyl tert-butyl ether	0.160	U	1.00	0.160
108-87-2	Methylcyclohexane	0.160	U	1.00	0.160
75-09-2	Methylene Chloride	0.440	U	1.00	0.440
100-42-5	Styrene	0.730	U	1.00	0.730
127-18-4	Tetrachloroethene	0.360	U	1.00	0.360
108-88-3	Toluene	0.510	U	1.00	0.510
156-60-5	trans-1,2-Dichloroethene	0.900	U	1.00	0.900
10061-02-6	trans-1,3-Dichloropropene	0.370	U	1.00	0.370
79-01-6	Trichloroethene	0.460	U	1.00	0.460
75-69-4	Trichlorofluoromethane	0.880	U	1.00	0.880
75-01-4	Vinyl chloride	0.900	U	1.00	0.900
1330-20-7	Xylenes, Total	0.660	U	2.00	0.660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		60-140
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2573.D
 Lims ID: 480-61593-A-4 Lab Sample ID: 480-61593-4
 Client ID: MW-7D
 Sample Type: Client
 Inject. Date: 23-Jun-2014 15:13:30 ALS Bottle#: 41 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-61593-A-4
 Misc. Info.: 480-0033200-014
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 03:46:17 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 23-Jun-2014 17:11:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.336	-0.001	98	488763	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	88	358096	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	97	166971	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	123634	24.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	160568	24.1	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	94	472305	24.7	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	87	126889	23.8	
11 Dichlorodifluoromethane	85		0.905				ND	
13 Chloromethane	50		1.019				ND	
14 Vinyl chloride	62		1.102				ND	
15 Bromomethane	94		1.320				ND	
16 Chloroethane	64		1.382				ND	
17 Trichlorofluoromethane	101		1.537				ND	
22 1,1-Dichloroethene	96		1.962				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		1.962				ND	
23 Acetone	43	2.107	2.118	-0.011	62	2541	1.02	
25 Carbon disulfide	76		2.118				ND	
28 Methyl acetate	43		2.377				ND	
30 Methylene Chloride	84		2.429				ND	
33 Methyl tert-butyl ether	73		2.636				ND	
32 trans-1,2-Dichloroethene	96		2.636				ND	
36 1,1-Dichloroethane	63		2.999				ND	
43 cis-1,2-Dichloroethene	96		3.475				ND	
44 2-Butanone (MEK)	43		3.537				ND	
50 Chloroform	83		3.734				ND	
51 1,1,1-Trichloroethane	97		3.817				ND	
52 Cyclohexane	56		3.817				ND	
53 Carbon tetrachloride	117		3.931				ND	
55 Benzene	78		4.118				ND	
57 1,2-Dichloroethane	62		4.180				ND	
1 1,4-Difluorobenzene	114		4.429				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
60 Trichloroethene	95		4.605				ND	
62 Methylcyclohexane	83		4.688				ND	
63 1,2-Dichloropropane	63		4.802				ND	
67 Dichlorobromomethane	83		5.030				ND	
71 cis-1,3-Dichloropropene	75		5.351				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.475				ND	
73 Toluene	92		5.569				ND	
75 trans-1,3-Dichloropropene	75		5.786				ND	
78 1,1,2-Trichloroethane	83		5.931				ND	
79 Tetrachloroethene	166		5.962				ND	
81 2-Hexanone	43		6.118				ND	
82 Chlorodibromomethane	129		6.222				ND	
83 Ethylene Dibromide	107		6.294				ND	
86 Chlorobenzene	112		6.657				ND	
88 Ethylbenzene	91		6.729				ND	
90 m-Xylene & p-Xylene	106		6.812				ND	
91 o-Xylene	106		7.133				ND	
92 Styrene	104		7.154				ND	
93 Bromoform	173		7.330				ND	
95 Isopropylbenzene	105		7.413				ND	
98 1,1,2,2-Tetrachloroethane	83		7.724				ND	
110 1,3-Dichlorobenzene	146		8.429				ND	
113 1,4-Dichlorobenzene	146		8.512				ND	
116 1,2-Dichlorobenzene	146		8.812				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.486				ND	
119 1,2,4-Trichlorobenzene	180		10.118				ND	
S 124 1,2-Dichloroethene, Total	1		30.000				0	
S 126 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2573.D

Injection Date: 23-Jun-2014 15:13:30

Instrument ID: HP5975T

Operator ID: LH/CN

Lims ID: 480-61593-A-4

Lab Sample ID: 480-61593-4

Worklist Smp#: 14

Client ID: MW-7D

Purge Vol: 5.000 mL

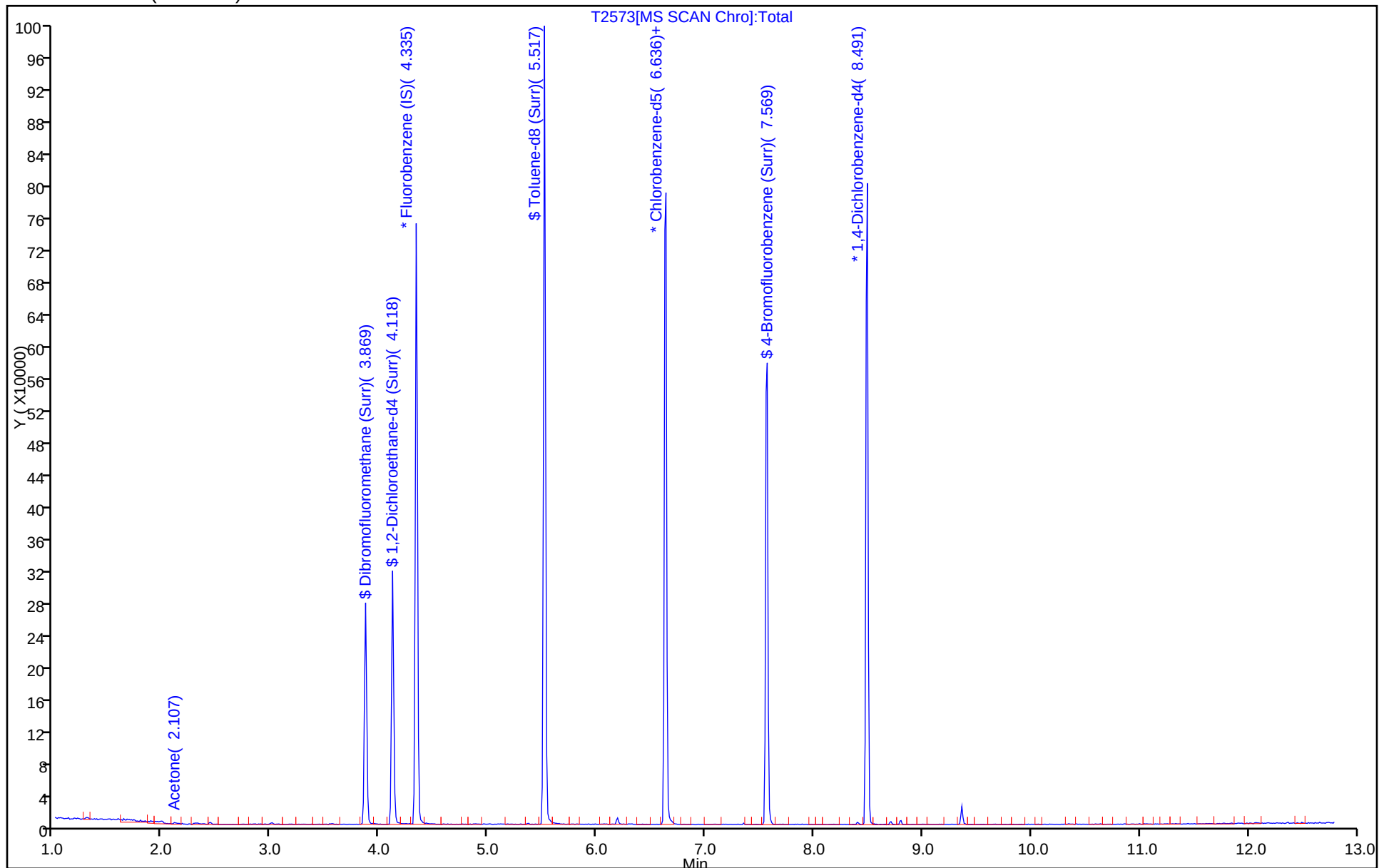
Dil. Factor: 1.0000

ALS Bottle#: 41

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: RW-01 Lab Sample ID: 480-61593-5

Matrix: Water Lab File ID: T2574.D

Analysis Method: 8260C Date Collected: 06/10/2014 14:00

Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 15:36

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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.820	U	1.00	0.820
79-34-5	1,1,2,2-Tetrachloroethane	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.230	U	1.00	0.230
76-13-1	1,1,2-Trichlorotrifluoroethane	0.310	U	1.00	0.310
75-34-3	1,1-Dichloroethane	0.715	J	1.00	0.380
75-35-4	1,1-Dichloroethene	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.410	U	1.00	0.410
96-12-8	1,2-Dibromo-3-Chloropropane	0.390	U	1.00	0.390
106-93-4	1,2-Dibromoethane (EDB)	0.730	U	1.00	0.730
95-50-1	1,2-Dichlorobenzene	0.790	U	1.00	0.790
107-06-2	1,2-Dichloroethane	0.210	U	1.00	0.210
540-59-0	1,2-Dichloroethene, Total	3.92		2.00	0.810
78-87-5	1,2-Dichloropropane	0.720	U	1.00	0.720
541-73-1	1,3-Dichlorobenzene	0.780	U	1.00	0.780
106-46-7	1,4-Dichlorobenzene	0.840	U	1.00	0.840
78-93-3	2-Butanone (MEK)	1.32	U	10.0	1.32
591-78-6	2-Hexanone	1.24	U	5.00	1.24
108-10-1	4-Methyl-2-pentanone (MIBK)	2.10	U	5.00	2.10
67-64-1	Acetone	3.00	U	10.0	3.00
71-43-2	Benzene	0.410	U	1.00	0.410
75-27-4	Bromodichloromethane	0.390	U	1.00	0.390
75-25-2	Bromoform	0.260	U	1.00	0.260
74-83-9	Bromomethane	0.690	U	1.00	0.690
75-15-0	Carbon disulfide	0.190	U	1.00	0.190
56-23-5	Carbon tetrachloride	0.270	U	1.00	0.270
108-90-7	Chlorobenzene	0.750	U	1.00	0.750
124-48-1	Chlorodibromomethane	0.320	U	1.00	0.320
75-00-3	Chloroethane	0.320	U	1.00	0.320
67-66-3	Chloroform	0.340	U	1.00	0.340
74-87-3	Chloromethane	0.350	U	1.00	0.350
156-59-2	cis-1,2-Dichloroethene	3.92		1.00	0.810
10061-01-5	cis-1,3-Dichloropropene	0.360	U	1.00	0.360
110-82-7	Cyclohexane	0.180	U	1.00	0.180
75-71-8	Dichlorodifluoromethane	0.680	U	1.00	0.680
100-41-4	Ethylbenzene	0.740	U	1.00	0.740
98-82-8	Isopropylbenzene	0.790	U	1.00	0.790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Client Sample ID: RW-01 Lab Sample ID: 480-61593-5
 Matrix: Water Lab File ID: T2574.D
 Analysis Method: 8260C Date Collected: 06/10/2014 14:00
 Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 15:36
 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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.500	U	1.00	0.500
1634-04-4	Methyl tert-butyl ether	0.160	U	1.00	0.160
108-87-2	Methylcyclohexane	0.160	U	1.00	0.160
75-09-2	Methylene Chloride	0.440	U	1.00	0.440
100-42-5	Styrene	0.730	U	1.00	0.730
127-18-4	Tetrachloroethene	0.360	U	1.00	0.360
108-88-3	Toluene	0.510	U	1.00	0.510
156-60-5	trans-1,2-Dichloroethene	0.900	U	1.00	0.900
10061-02-6	trans-1,3-Dichloropropene	0.370	U	1.00	0.370
79-01-6	Trichloroethene	0.460	U	1.00	0.460
75-69-4	Trichlorofluoromethane	0.880	U	1.00	0.880
75-01-4	Vinyl chloride	0.900	U	1.00	0.900
1330-20-7	Xylenes, Total	0.660	U	2.00	0.660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		60-140
2037-26-5	Toluene-d8 (Surr)	93		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2574.D
 Lims ID: 480-61593-A-5 Lab Sample ID: 480-61593-5
 Client ID: RW-01
 Sample Type: Client
 Inject. Date: 23-Jun-2014 15:36:30 ALS Bottle#: 42 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-61593-A-5
 Misc. Info.: 480-0033200-015
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Jun-2014 15:04:31 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: goliszekg

Date: 23-Jun-2014 17:12:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.336	-0.001	98	485354	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	87	364435	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	97	161235	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	124985	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	161314	24.4	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	95	455054	23.4	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	86	122986	22.6	
11 Dichlorodifluoromethane	85		0.905				ND	
13 Chloromethane	50		1.019				ND	
14 Vinyl chloride	62	1.102	1.102	0.000	70	5733	0.8434	
15 Bromomethane	94		1.320				ND	
16 Chloroethane	64		1.382				ND	
17 Trichlorofluoromethane	101		1.537				ND	
22 1,1-Dichloroethene	96		1.962				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		1.962				ND	
23 Acetone	43	2.118	2.118	0.000	90	7229	2.92	
25 Carbon disulfide	76		2.118				ND	
28 Methyl acetate	43		2.377				ND	
30 Methylene Chloride	84		2.429				ND	
33 Methyl tert-butyl ether	73		2.636				ND	
32 trans-1,2-Dichloroethene	96		2.636				ND	
36 1,1-Dichloroethane	63	3.009	2.999	0.010	39	7350	0.7148	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	69	23070	3.92	
44 2-Butanone (MEK)	43		3.537				ND	
50 Chloroform	83		3.734				ND	
51 1,1,1-Trichloroethane	97		3.817				ND	
52 Cyclohexane	56		3.817				ND	
53 Carbon tetrachloride	117		3.931				ND	
55 Benzene	78		4.118				ND	
57 1,2-Dichloroethane	62		4.180				ND	
1 1,4-Difluorobenzene	114		4.429				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
60 Trichloroethene	95		4.605				ND	
62 Methylcyclohexane	83		4.688				ND	
63 1,2-Dichloropropane	63		4.802				ND	
67 Dichlorobromomethane	83		5.030				ND	
71 cis-1,3-Dichloropropene	75		5.351				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.475				ND	
73 Toluene	92		5.569				ND	
75 trans-1,3-Dichloropropene	75		5.786				ND	
78 1,1,2-Trichloroethane	83		5.931				ND	
79 Tetrachloroethene	166		5.962				ND	
81 2-Hexanone	43		6.118				ND	
82 Chlorodibromomethane	129		6.222				ND	
83 Ethylene Dibromide	107		6.294				ND	
86 Chlorobenzene	112		6.657				ND	
88 Ethylbenzene	91		6.729				ND	
90 m-Xylene & p-Xylene	106		6.812				ND	
91 o-Xylene	106		7.133				ND	
92 Styrene	104		7.154				ND	
93 Bromoform	173		7.330				ND	
95 Isopropylbenzene	105		7.413				ND	
98 1,1,2,2-Tetrachloroethane	83		7.724				ND	
110 1,3-Dichlorobenzene	146		8.429				ND	
113 1,4-Dichlorobenzene	146		8.512				ND	
116 1,2-Dichlorobenzene	146		8.812				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.486				ND	
119 1,2,4-Trichlorobenzene	180		10.118				ND	
S 124 1,2-Dichloroethene, Total	1				0		3.92	
S 126 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2574.D

Injection Date: 23-Jun-2014 15:36:30

Instrument ID: HP5975T

Operator ID: LH/CN

Lims ID: 480-61593-A-5

Lab Sample ID: 480-61593-5

Worklist Smp#: 15

Client ID: RW-01

Purge Vol: 5.000 mL

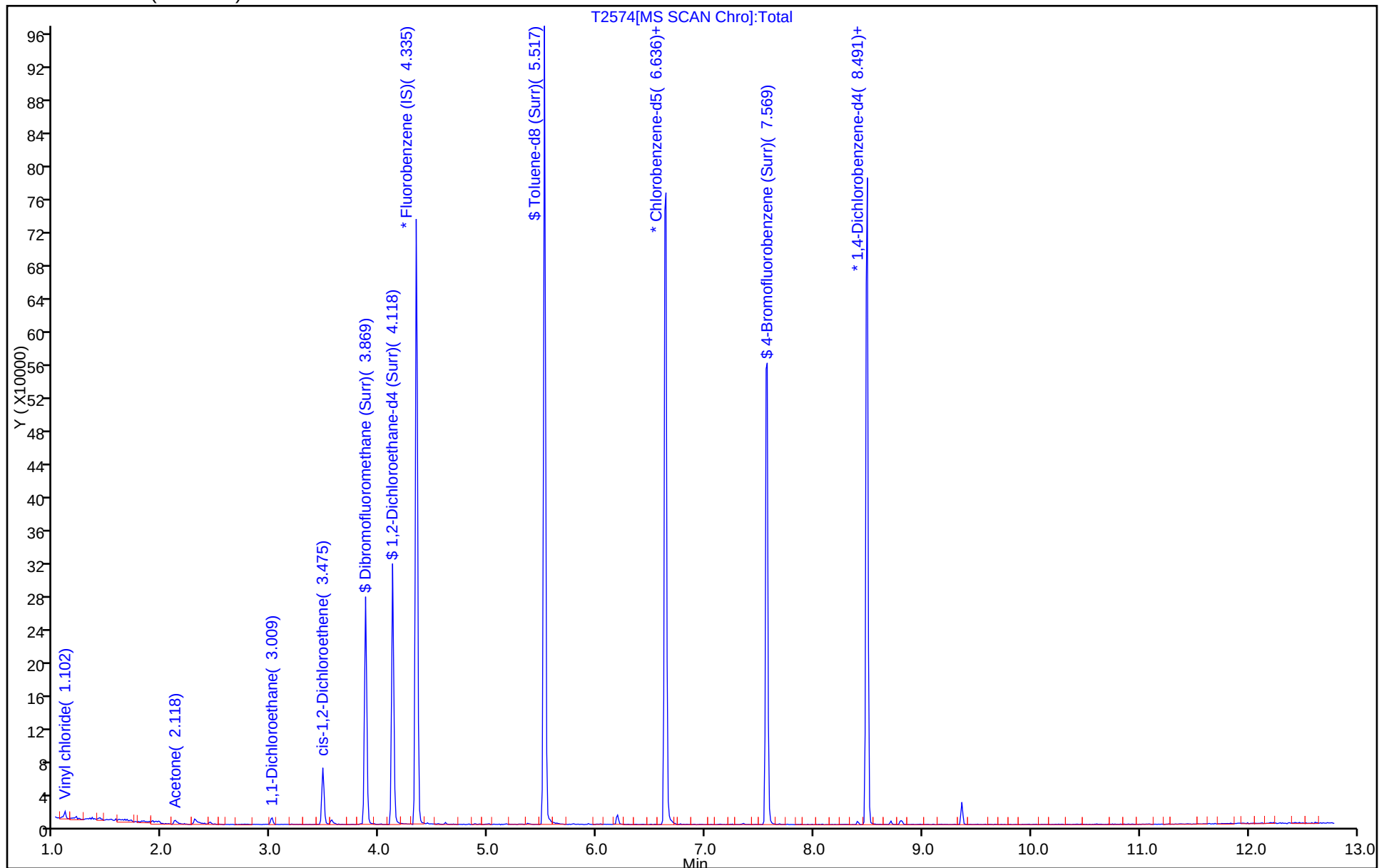
Dil. Factor: 1.0000

ALS Bottle#: 42

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2574.D

Injection Date: 23-Jun-2014 15:36:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-5

Lab Sample ID: 480-61593-5

Client ID: RW-01

Operator ID: LH/CN

ALS Bottle#: 42

Worklist Smp#: 15

Purge Vol: 5.000 mL

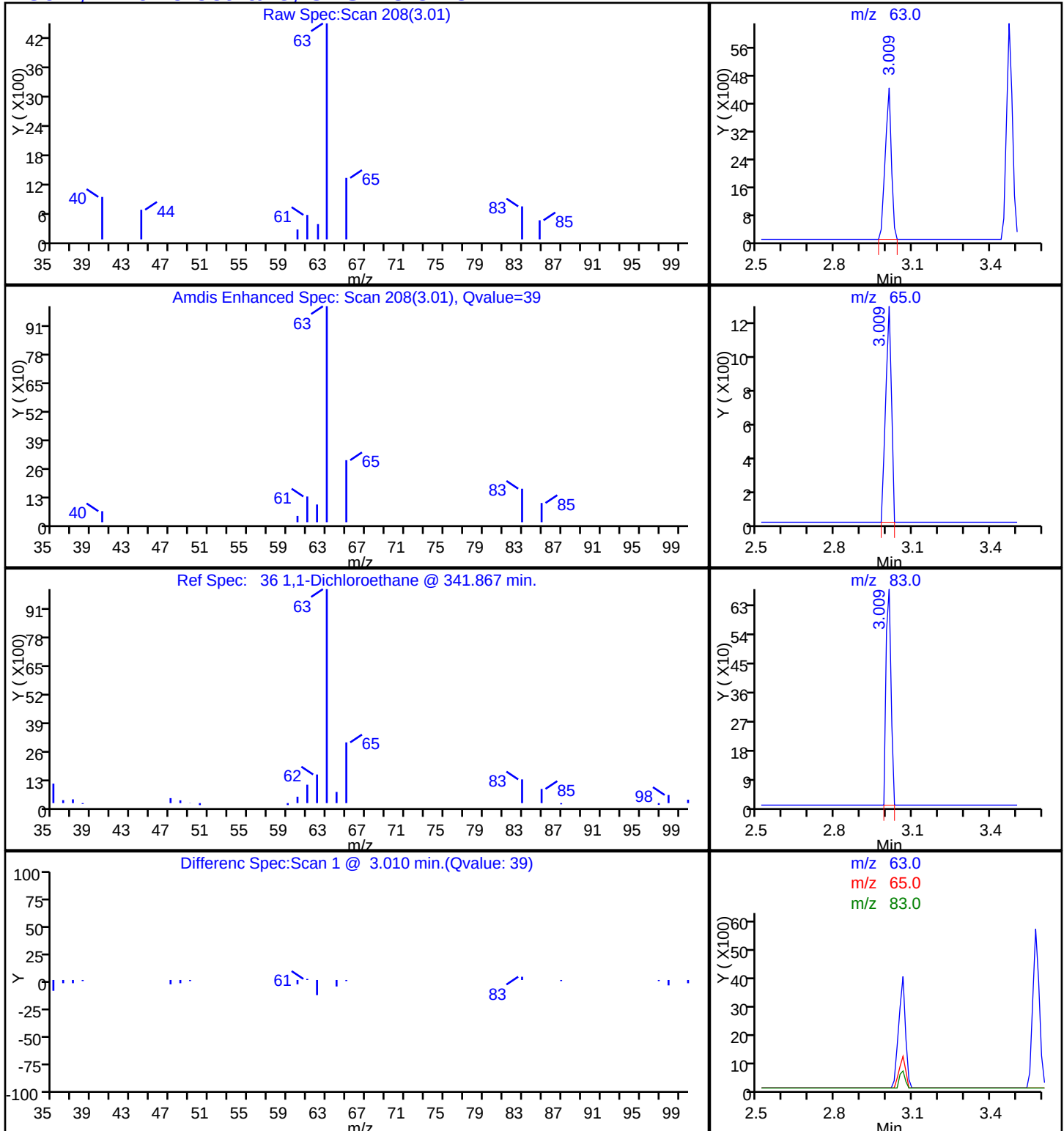
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

36 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2574.D

Injection Date: 23-Jun-2014 15:36:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-5

Lab Sample ID: 480-61593-5

Client ID: RW-01

Operator ID: LH/CN

ALS Bottle#: 42

Worklist Smp#: 15

Purge Vol: 5.000 mL

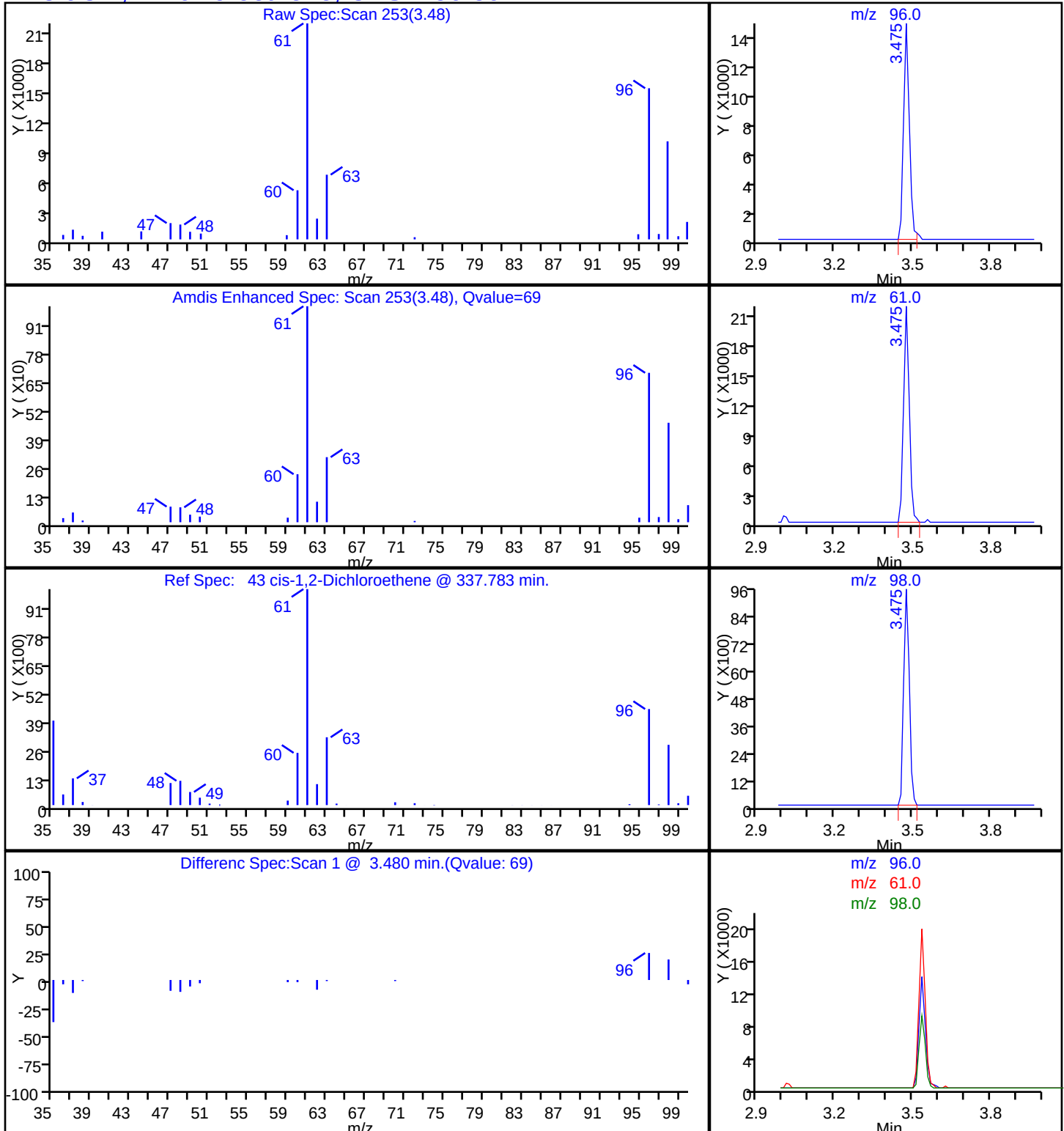
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: RW-01-FD Lab Sample ID: 480-61593-6

Matrix: Water Lab File ID: T2575.D

Analysis Method: 8260C Date Collected: 06/10/2014 14:05

Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 16:00

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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.820	U	1.00	0.820
79-34-5	1,1,2,2-Tetrachloroethane	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.230	U	1.00	0.230
76-13-1	1,1,2-Trichlorotrifluoroethane	0.310	U	1.00	0.310
75-34-3	1,1-Dichloroethane	1.04		1.00	0.380
75-35-4	1,1-Dichloroethene	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.410	U	1.00	0.410
96-12-8	1,2-Dibromo-3-Chloropropane	0.390	U	1.00	0.390
106-93-4	1,2-Dibromoethane (EDB)	0.730	U	1.00	0.730
95-50-1	1,2-Dichlorobenzene	0.790	U	1.00	0.790
107-06-2	1,2-Dichloroethane	0.210	U	1.00	0.210
540-59-0	1,2-Dichloroethene, Total	5.22		2.00	0.810
78-87-5	1,2-Dichloropropane	0.720	U	1.00	0.720
541-73-1	1,3-Dichlorobenzene	0.780	U	1.00	0.780
106-46-7	1,4-Dichlorobenzene	0.840	U	1.00	0.840
78-93-3	2-Butanone (MEK)	1.32	U	10.0	1.32
591-78-6	2-Hexanone	1.24	U	5.00	1.24
108-10-1	4-Methyl-2-pentanone (MIBK)	2.10	U	5.00	2.10
67-64-1	Acetone	3.00	U	10.0	3.00
71-43-2	Benzene	0.410	U	1.00	0.410
75-27-4	Bromodichloromethane	0.390	U	1.00	0.390
75-25-2	Bromoform	0.260	U	1.00	0.260
74-83-9	Bromomethane	0.690	U	1.00	0.690
75-15-0	Carbon disulfide	0.190	U	1.00	0.190
56-23-5	Carbon tetrachloride	0.270	U	1.00	0.270
108-90-7	Chlorobenzene	0.750	U	1.00	0.750
124-48-1	Chlorodibromomethane	0.320	U	1.00	0.320
75-00-3	Chloroethane	0.320	U	1.00	0.320
67-66-3	Chloroform	0.340	U	1.00	0.340
74-87-3	Chloromethane	0.350	U	1.00	0.350
156-59-2	cis-1,2-Dichloroethene	5.22		1.00	0.810
10061-01-5	cis-1,3-Dichloropropene	0.360	U	1.00	0.360
110-82-7	Cyclohexane	0.180	U	1.00	0.180
75-71-8	Dichlorodifluoromethane	0.680	U	1.00	0.680
100-41-4	Ethylbenzene	0.740	U	1.00	0.740
98-82-8	Isopropylbenzene	0.790	U	1.00	0.790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Client Sample ID: RW-01-FD Lab Sample ID: 480-61593-6
 Matrix: Water Lab File ID: T2575.D
 Analysis Method: 8260C Date Collected: 06/10/2014 14:05
 Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 16:00
 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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.500	U	1.00	0.500
1634-04-4	Methyl tert-butyl ether	0.160	U	1.00	0.160
108-87-2	Methylcyclohexane	0.160	U	1.00	0.160
75-09-2	Methylene Chloride	0.440	U	1.00	0.440
100-42-5	Styrene	0.730	U	1.00	0.730
127-18-4	Tetrachloroethene	0.360	U	1.00	0.360
108-88-3	Toluene	0.510	U	1.00	0.510
156-60-5	trans-1,2-Dichloroethene	0.900	U	1.00	0.900
10061-02-6	trans-1,3-Dichloropropene	0.370	U	1.00	0.370
79-01-6	Trichloroethene	0.460	U	1.00	0.460
75-69-4	Trichlorofluoromethane	0.880	U	1.00	0.880
75-01-4	Vinyl chloride	2.08		1.00	0.900
1330-20-7	Xylenes, Total	0.660	U	2.00	0.660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		66-137
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		60-140
2037-26-5	Toluene-d8 (Surr)	95		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2575.D
 Lims ID: 480-61593-A-6 Lab Sample ID: 480-61593-6
 Client ID: RW-01-FD
 Sample Type: Client
 Inject. Date: 23-Jun-2014 16:00:30 ALS Bottle#: 43 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-61593-A-6
 Misc. Info.: 480-0033200-016
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Jun-2014 15:04:31 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: goliszekg

Date: 23-Jun-2014 17:13:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.336	0.000	98	483831	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	87	360586	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	97	163919	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	121458	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	161909	24.6	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	95	457858	23.8	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	86	124584	23.2	
11 Dichlorodifluoromethane	85		0.905				ND	
13 Chloromethane	50		1.019				ND	
14 Vinyl chloride	62	1.102	1.102	0.000	74	14112	2.08	
15 Bromomethane	94		1.320				ND	
16 Chloroethane	64		1.382				ND	
17 Trichlorofluoromethane	101		1.537				ND	
22 1,1-Dichloroethene	96		1.962				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		1.962				ND	
23 Acetone	43	2.107	2.118	-0.011	71	4110	1.66	
25 Carbon disulfide	76		2.118				ND	
28 Methyl acetate	43		2.377				ND	
30 Methylene Chloride	84		2.429				ND	
33 Methyl tert-butyl ether	73		2.636				ND	
32 trans-1,2-Dichloroethene	96		2.636				ND	
36 1,1-Dichloroethane	63	2.999	2.999	0.000	67	10695	1.04	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	70	30637	5.22	
44 2-Butanone (MEK)	43		3.537				ND	
50 Chloroform	83		3.734				ND	
51 1,1,1-Trichloroethane	97		3.817				ND	
52 Cyclohexane	56		3.817				ND	
53 Carbon tetrachloride	117		3.931				ND	
55 Benzene	78		4.118				ND	
57 1,2-Dichloroethane	62		4.180				ND	
1 1,4-Difluorobenzene	114		4.429				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
60 Trichloroethene	95		4.605				ND	
62 Methylcyclohexane	83		4.688				ND	
63 1,2-Dichloropropane	63		4.802				ND	
67 Dichlorobromomethane	83		5.030				ND	
71 cis-1,3-Dichloropropene	75		5.351				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.475				ND	
73 Toluene	92		5.569				ND	
75 trans-1,3-Dichloropropene	75		5.786				ND	
78 1,1,2-Trichloroethane	83		5.931				ND	
79 Tetrachloroethene	166		5.962				ND	
81 2-Hexanone	43		6.118				ND	
82 Chlorodibromomethane	129		6.222				ND	
83 Ethylene Dibromide	107		6.294				ND	
86 Chlorobenzene	112		6.657				ND	
88 Ethylbenzene	91		6.729				ND	
90 m-Xylene & p-Xylene	106		6.812				ND	
91 o-Xylene	106		7.133				ND	
92 Styrene	104		7.154				ND	
93 Bromoform	173		7.330				ND	
95 Isopropylbenzene	105		7.413				ND	
98 1,1,2,2-Tetrachloroethane	83		7.724				ND	
110 1,3-Dichlorobenzene	146		8.429				ND	
113 1,4-Dichlorobenzene	146		8.512				ND	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	47	2807	0.2700	
117 1,2-Dibromo-3-Chloropropan	75		9.486				ND	
119 1,2,4-Trichlorobenzene	180		10.118				ND	
S 124 1,2-Dichloroethene, Total	1				0		5.22	
S 126 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2575.D

Injection Date: 23-Jun-2014 16:00:30

Instrument ID: HP5975T

Operator ID: LH/CN

Lims ID: 480-61593-A-6

Lab Sample ID: 480-61593-6

Worklist Smp#: 16

Client ID: RW-01-FD

Purge Vol: 5.000 mL

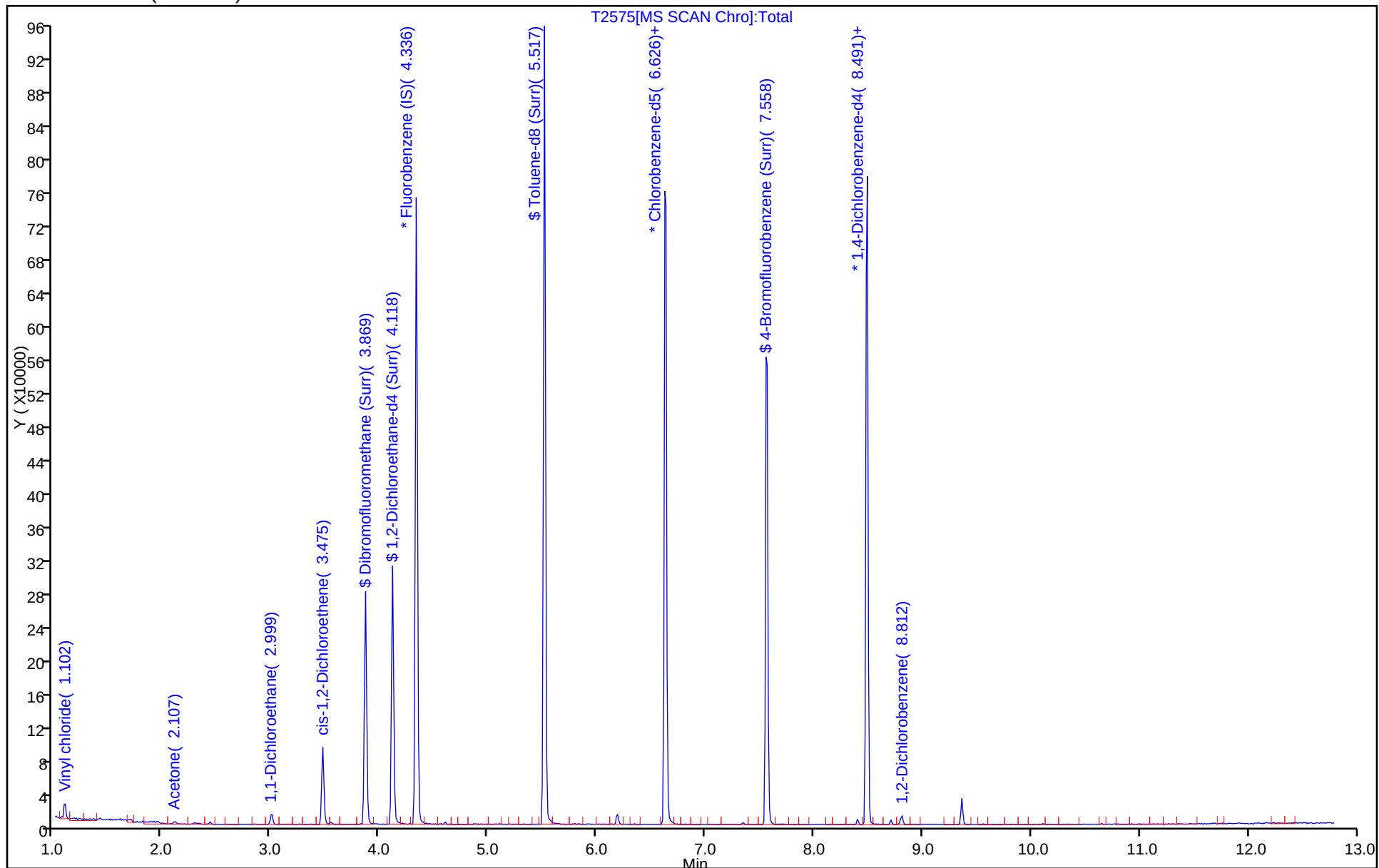
Dil. Factor: 1.0000

ALS Bottle#: 43

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2575.D

Injection Date: 23-Jun-2014 16:00:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-6

Lab Sample ID: 480-61593-6

Client ID: RW-01-FD

Operator ID: LH/CN

ALS Bottle#: 43

Worklist Smp#: 16

Purge Vol: 5.000 mL

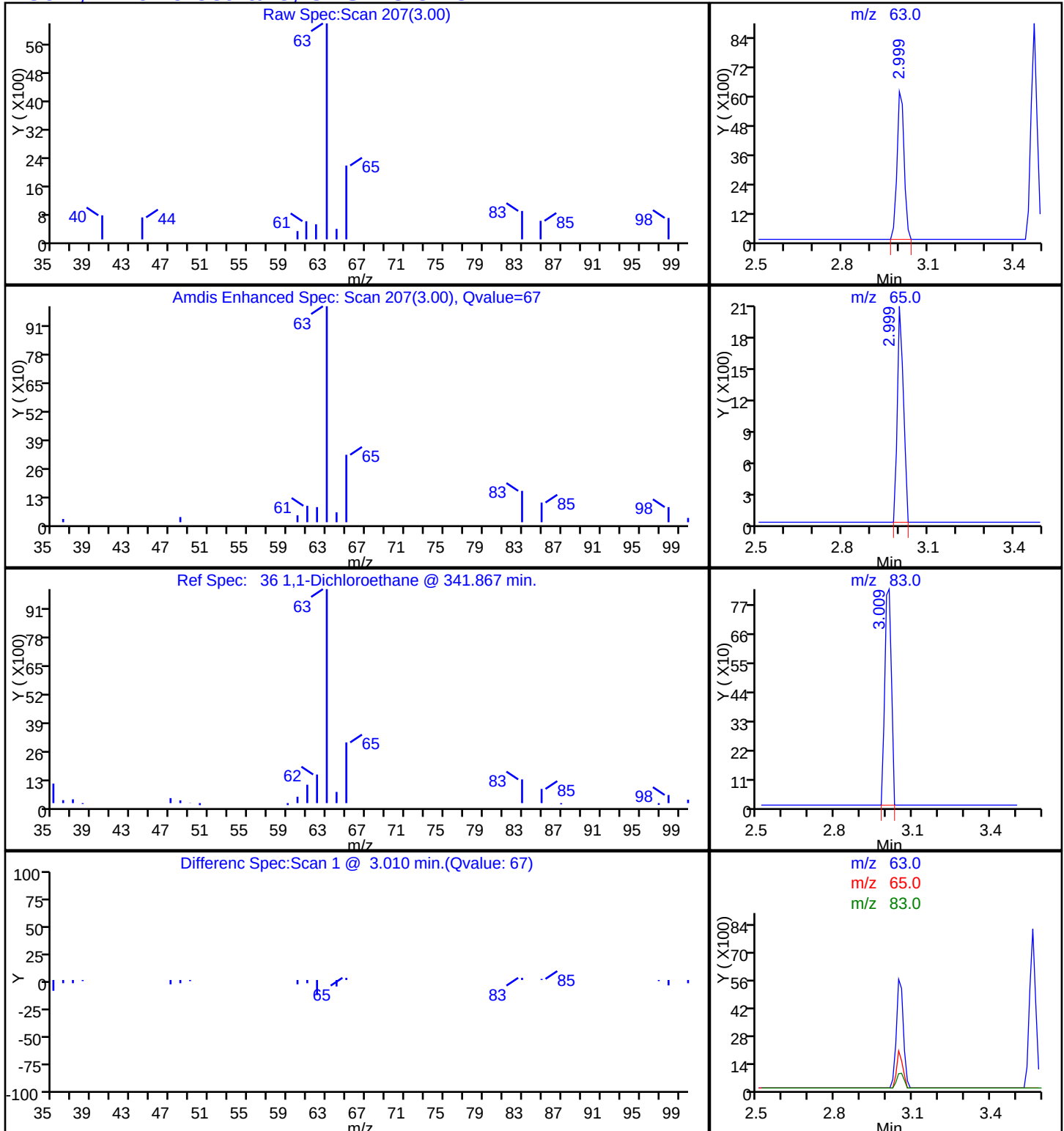
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

36 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2575.D

Injection Date: 23-Jun-2014 16:00:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-6

Lab Sample ID: 480-61593-6

Client ID: RW-01-FD

Operator ID: LH/CN

ALS Bottle#: 43

Worklist Smp#: 16

Purge Vol: 5.000 mL

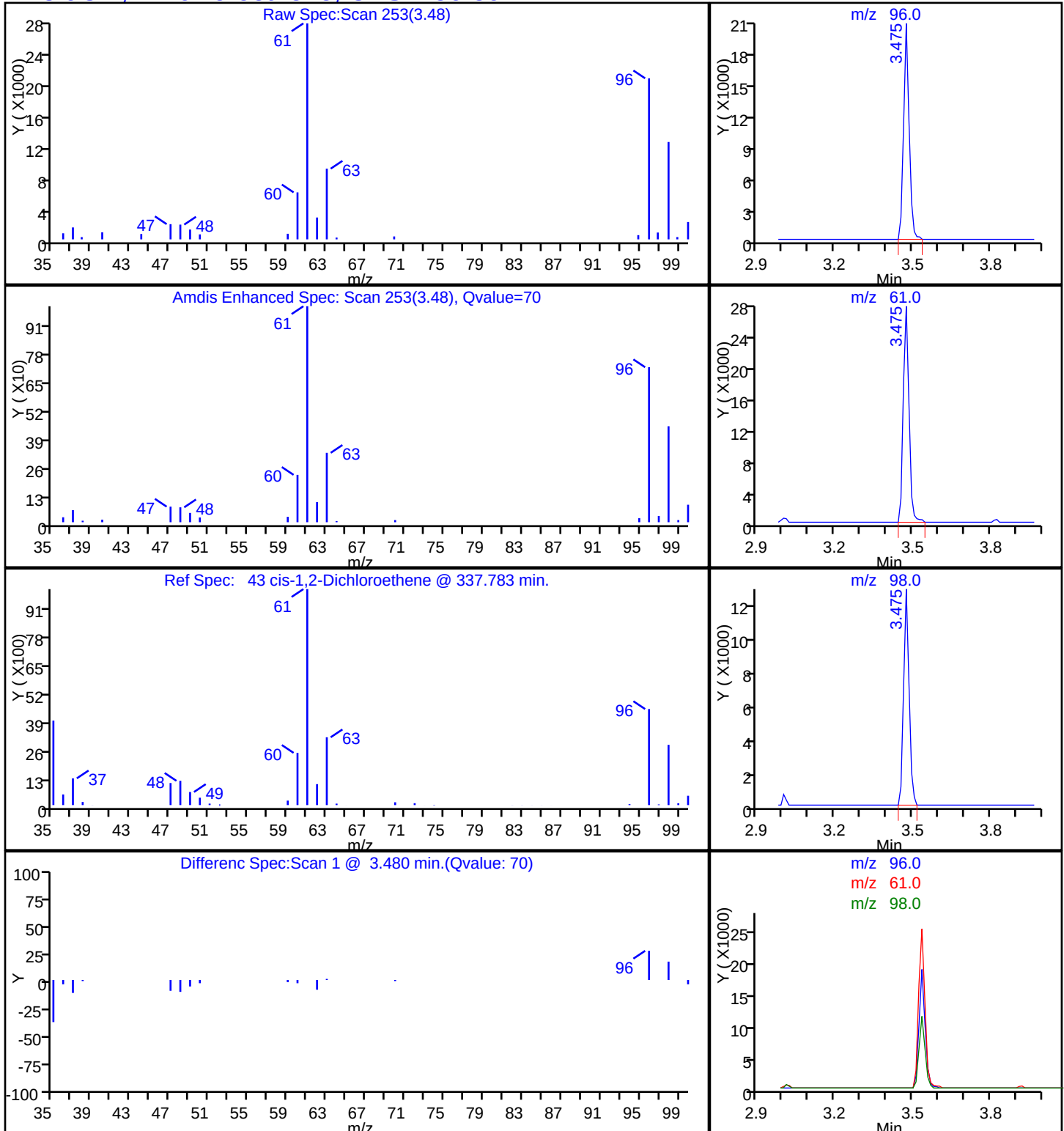
Dil. Factor: 1.0000

Method: T-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\HP5975T\20140623-33200.b\T2575.D

Injection Date: 23-Jun-2014 16:00:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-6

Lab Sample ID: 480-61593-6

Client ID: RW-01-FD

Operator ID: LH/CN

ALS Bottle#: 43

Worklist Smp#: 16

Purge Vol: 5.000 mL

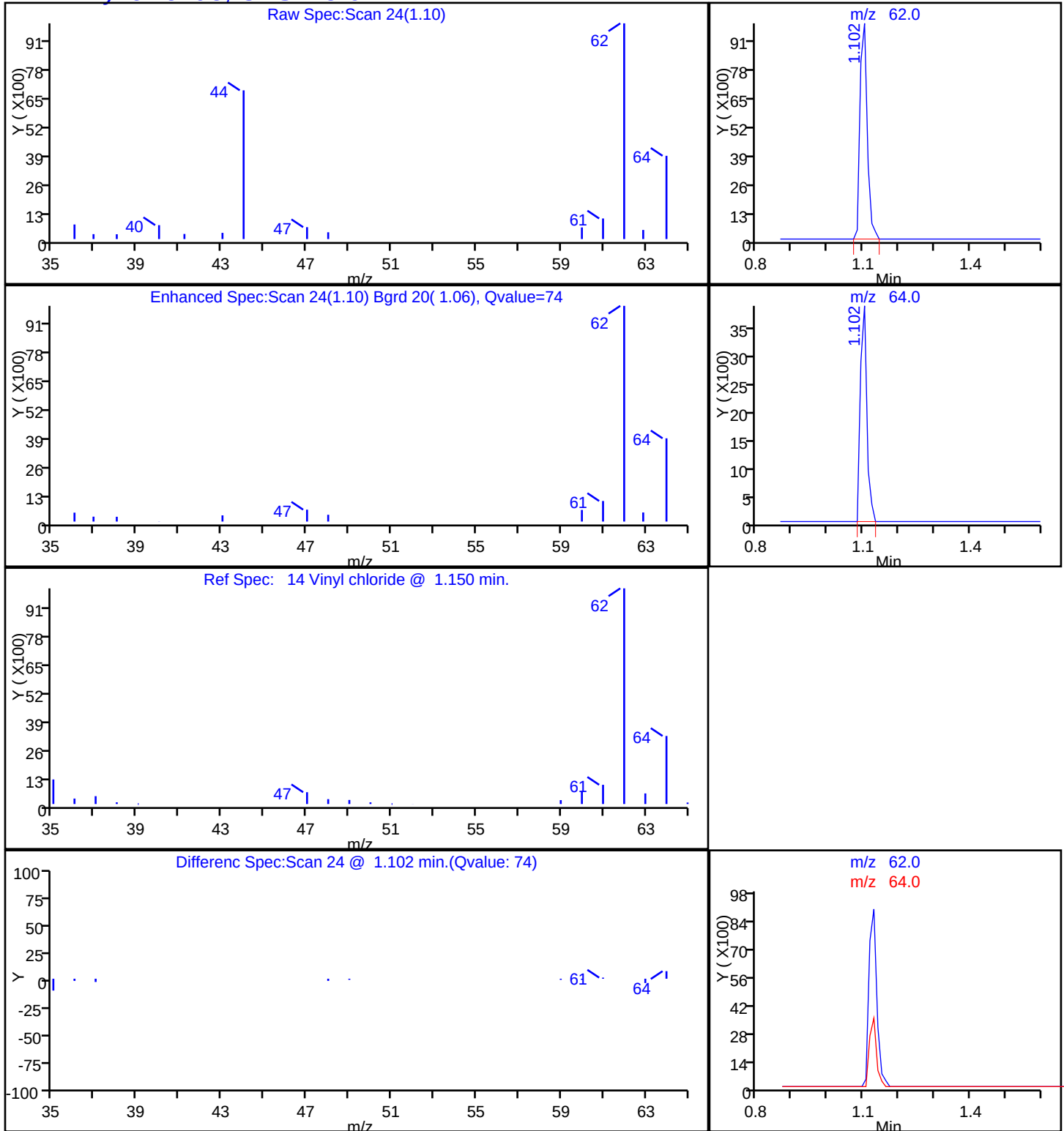
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: TB-01 Lab Sample ID: 480-61593-7

Matrix: Water Lab File ID: T2576.D

Analysis Method: 8260C Date Collected: 06/10/2014 00:00

Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 16:24

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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.820	U	1.00	0.820
79-34-5	1,1,2,2-Tetrachloroethane	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.230	U	1.00	0.230
76-13-1	1,1,2-Trichlorotrifluoroethane	0.310	U	1.00	0.310
75-34-3	1,1-Dichloroethane	0.380	U	1.00	0.380
75-35-4	1,1-Dichloroethene	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.410	U	1.00	0.410
96-12-8	1,2-Dibromo-3-Chloropropane	0.390	U	1.00	0.390
106-93-4	1,2-Dibromoethane (EDB)	0.730	U	1.00	0.730
95-50-1	1,2-Dichlorobenzene	0.790	U	1.00	0.790
107-06-2	1,2-Dichloroethane	0.210	U	1.00	0.210
540-59-0	1,2-Dichloroethene, Total	0.810	U	2.00	0.810
78-87-5	1,2-Dichloropropane	0.720	U	1.00	0.720
541-73-1	1,3-Dichlorobenzene	0.780	U	1.00	0.780
106-46-7	1,4-Dichlorobenzene	0.840	U	1.00	0.840
78-93-3	2-Butanone (MEK)	1.32	U	10.0	1.32
591-78-6	2-Hexanone	1.24	U	5.00	1.24
108-10-1	4-Methyl-2-pentanone (MIBK)	2.10	U	5.00	2.10
67-64-1	Acetone	3.00	U	10.0	3.00
71-43-2	Benzene	0.410	U	1.00	0.410
75-27-4	Bromodichloromethane	0.390	U	1.00	0.390
75-25-2	Bromoform	0.260	U	1.00	0.260
74-83-9	Bromomethane	0.690	U	1.00	0.690
75-15-0	Carbon disulfide	0.190	U	1.00	0.190
56-23-5	Carbon tetrachloride	0.270	U	1.00	0.270
108-90-7	Chlorobenzene	0.750	U	1.00	0.750
124-48-1	Chlorodibromomethane	0.320	U	1.00	0.320
75-00-3	Chloroethane	0.320	U	1.00	0.320
67-66-3	Chloroform	0.340	U	1.00	0.340
74-87-3	Chloromethane	0.350	U	1.00	0.350
156-59-2	cis-1,2-Dichloroethene	0.810	U	1.00	0.810
10061-01-5	cis-1,3-Dichloropropene	0.360	U	1.00	0.360
110-82-7	Cyclohexane	0.180	U	1.00	0.180
75-71-8	Dichlorodifluoromethane	0.680	U	1.00	0.680
100-41-4	Ethylbenzene	0.740	U	1.00	0.740
98-82-8	Isopropylbenzene	0.790	U	1.00	0.790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Client Sample ID: TB-01 Lab Sample ID: 480-61593-7
 Matrix: Water Lab File ID: T2576.D
 Analysis Method: 8260C Date Collected: 06/10/2014 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 16:24
 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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.500	U	1.00	0.500
1634-04-4	Methyl tert-butyl ether	0.160	U	1.00	0.160
108-87-2	Methylcyclohexane	0.160	U	1.00	0.160
75-09-2	Methylene Chloride	0.440	U	1.00	0.440
100-42-5	Styrene	0.730	U	1.00	0.730
127-18-4	Tetrachloroethene	0.360	U	1.00	0.360
108-88-3	Toluene	0.510	U	1.00	0.510
156-60-5	trans-1,2-Dichloroethene	0.900	U	1.00	0.900
10061-02-6	trans-1,3-Dichloropropene	0.370	U	1.00	0.370
79-01-6	Trichloroethene	0.460	U	1.00	0.460
75-69-4	Trichlorofluoromethane	0.880	U	1.00	0.880
75-01-4	Vinyl chloride	0.900	U	1.00	0.900
1330-20-7	Xylenes, Total	0.660	U	2.00	0.660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		60-140
2037-26-5	Toluene-d8 (Surr)	98		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2576.D
 Lims ID: 480-61593-A-7 Lab Sample ID: 480-61593-7
 Client ID: TB-01
 Sample Type: Client
 Inject. Date: 23-Jun-2014 16:24:30 ALS Bottle#: 44 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-61593-A-7
 Misc. Info.: 480-0033200-017
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Jun-2014 17:13:49 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: goliszekg

Date: 23-Jun-2014 17:13:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.336	0.000	98	475338	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	88	346885	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	98	155531	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	57	120966	24.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	156265	24.1	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	95	452307	24.4	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	86	122867	23.8	
11 Dichlorodifluoromethane	85		0.905				ND	
13 Chloromethane	50		1.019				ND	
14 Vinyl chloride	62		1.102				ND	
15 Bromomethane	94		1.320				ND	
16 Chloroethane	64		1.382				ND	
17 Trichlorofluoromethane	101		1.537				ND	
22 1,1-Dichloroethene	96		1.962				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		1.962				ND	
23 Acetone	43	2.118	2.118	0.000	81	2954	1.22	M
25 Carbon disulfide	76		2.118				ND	
28 Methyl acetate	43		2.377				ND	
30 Methylene Chloride	84		2.429				ND	
33 Methyl tert-butyl ether	73		2.636				ND	
32 trans-1,2-Dichloroethene	96		2.636				ND	
36 1,1-Dichloroethane	63		2.999				ND	
43 cis-1,2-Dichloroethene	96		3.475				ND	
44 2-Butanone (MEK)	43		3.537				ND	
50 Chloroform	83		3.734				ND	
51 1,1,1-Trichloroethane	97		3.817				ND	
52 Cyclohexane	56		3.817				ND	
53 Carbon tetrachloride	117		3.931				ND	
55 Benzene	78		4.118				ND	
57 1,2-Dichloroethane	62		4.180				ND	
1 1,4-Difluorobenzene	114		4.429				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
60 Trichloroethene	95		4.605				ND	
62 Methylcyclohexane	83		4.688				ND	
63 1,2-Dichloropropane	63		4.802				ND	
67 Dichlorobromomethane	83		5.030				ND	
71 cis-1,3-Dichloropropene	75		5.351				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.475				ND	
73 Toluene	92		5.569				ND	
75 trans-1,3-Dichloropropene	75		5.786				ND	
78 1,1,2-Trichloroethane	83		5.931				ND	
79 Tetrachloroethene	166		5.962				ND	
81 2-Hexanone	43		6.118				ND	
82 Chlorodibromomethane	129		6.222				ND	
83 Ethylene Dibromide	107		6.294				ND	
86 Chlorobenzene	112		6.657				ND	
88 Ethylbenzene	91		6.729				ND	
90 m-Xylene & p-Xylene	106		6.812				ND	
91 o-Xylene	106		7.133				ND	
92 Styrene	104		7.154				ND	
93 Bromoform	173		7.330				ND	
95 Isopropylbenzene	105		7.413				ND	
98 1,1,2,2-Tetrachloroethane	83		7.724				ND	
110 1,3-Dichlorobenzene	146		8.429				ND	
113 1,4-Dichlorobenzene	146		8.512				ND	
116 1,2-Dichlorobenzene	146		8.812				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.486				ND	
119 1,2,4-Trichlorobenzene	180		10.118				ND	
S 124 1,2-Dichloroethene, Total	1		30.000				0	
S 126 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2576.D

Injection Date: 23-Jun-2014 16:24:30

Instrument ID: HP5975T

Operator ID: LH/CN

Lims ID: 480-61593-A-7

Lab Sample ID: 480-61593-7

Worklist Smp#: 17

Client ID: TB-01

Purge Vol: 5.000 mL

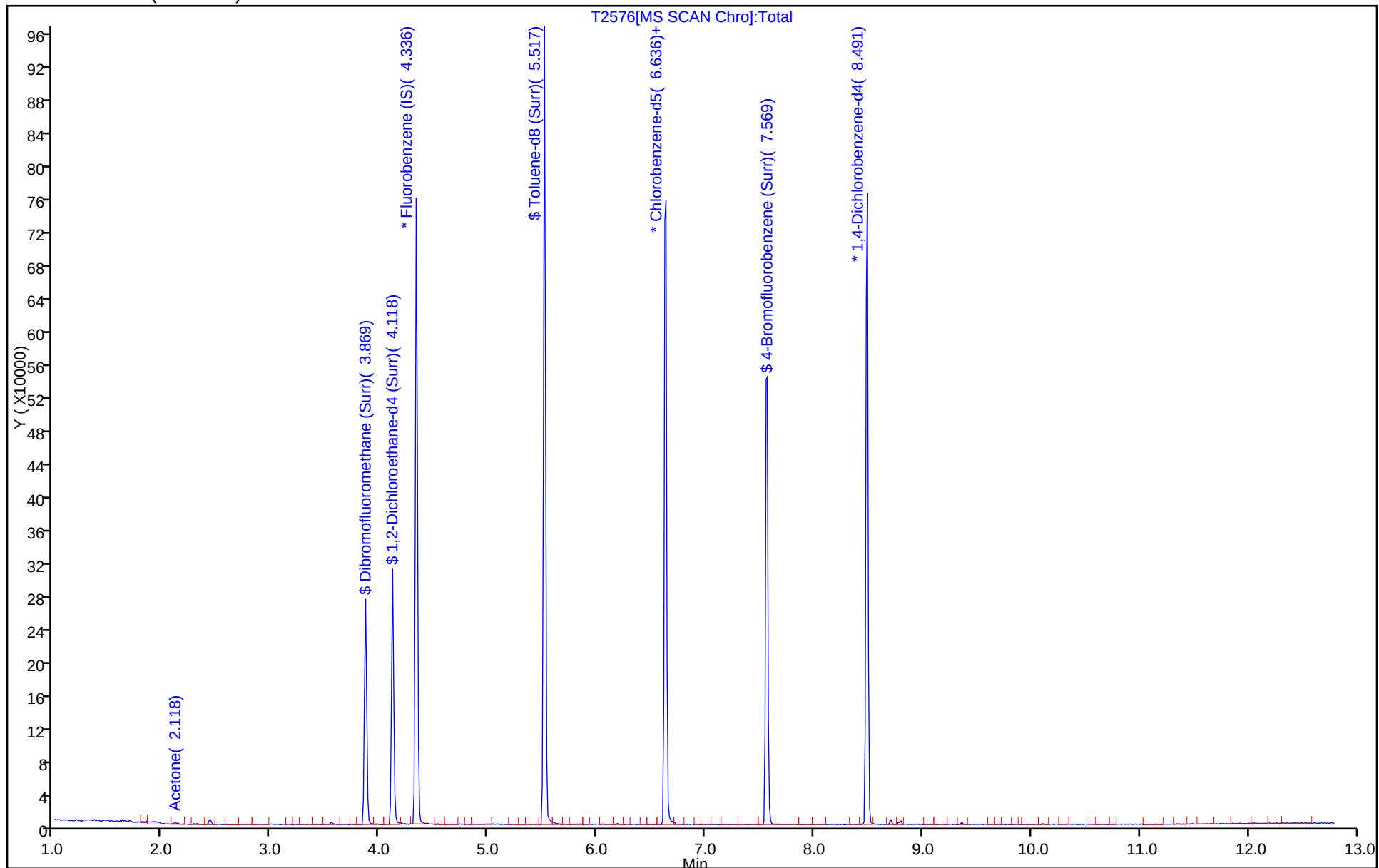
Dil. Factor: 1.0000

ALS Bottle#: 44

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2576.D

Injection Date: 23-Jun-2014 16:24:30

Instrument ID: HP5975T

Lims ID: 480-61593-A-7

Lab Sample ID: 480-61593-7

Client ID: TB-01

Operator ID: LH/CN

ALS Bottle#:

44

Worklist Smp#: 17

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

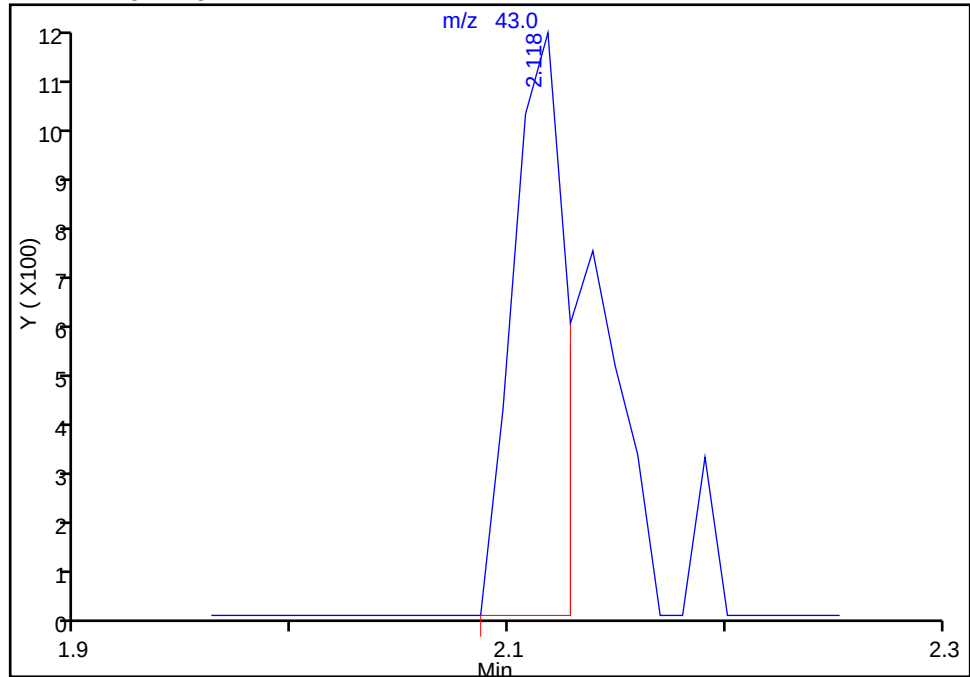
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

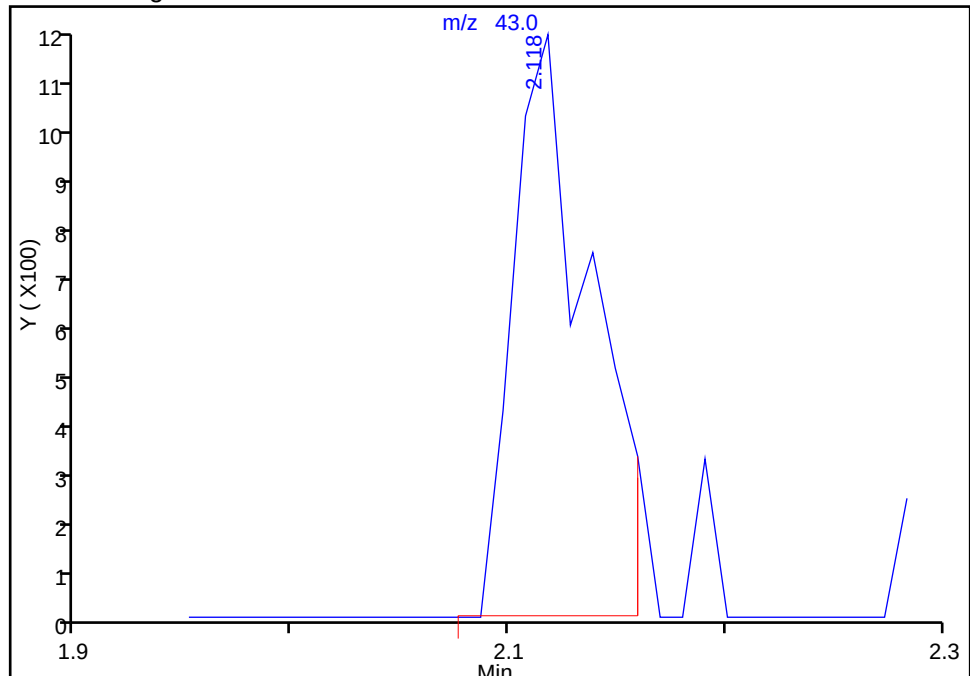
RT: 2.12
Response: 1995
Amount: 0.821499

Processing Integration Results



RT: 2.12
Response: 2954
Amount: 1.216396

Manual Integration Results



Reviewer: goliszekg, 23-Jun-2014 17:13:49

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1 Analy Batch No.: 186217

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2014 16:26 Calibration End Date: 06/06/2014 18:49 Calibration ID: 18674

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-186217/4	T1918.D
Level 2	IC 480-186217/5	T1919.D
Level 3	IC 480-186217/6	T1920.D
Level 4	IC 480-186217/7	T1921.D
Level 5	ICIS 480-186217/8	T1922.D
Level 6	IC 480-186217/9	T1923.D
Level 7	IC 480-186217/10	T1924.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	++++ 0.3482	0.4024 0.3440	0.3886	0.3924	0.3522	Ave		0.3713			0.1000	7.0		20.0			
Chloromethane	++++ 0.3433	0.4196 0.3518	0.3882	0.3804	0.3542	Ave		0.3729			0.1000	7.7		20.0			
Vinyl chloride	0.3840 0.3240	0.3638 0.3182	0.3683	0.3597	0.3329	Ave		0.3501			0.1000	7.1		20.0			
Butadiene	++++ 0.3370	0.4084 0.3287	0.3816	0.3778	0.3425	Ave		0.3627				8.6		20.0			
Bromomethane	++++ 0.1189	0.1982 0.1131	0.1410	0.1271	0.1412	Lin1	0.1001	0.1170			0.1000				0.9940		0.9900
Chloroethane	++++ 0.1622	0.2235 0.1579	0.1746	0.1675	0.1780	Ave		0.1773			0.1000	13.0		20.0			
Dichlorofluoromethane	++++ 0.3274	0.4197 0.3058	0.3896	0.3677	0.3674	Ave		0.3629				11.0		20.0			
Trichlorofluoromethane	++++ 0.3670	0.3569 0.3691	0.3582	0.3868	0.3781	Ave		0.3694			0.1000	3.1		20.0			
Ethyl ether	++++ 0.2628	0.3702 0.2601	0.2951	0.2861	0.2649	Ave		0.2899				14.0		20.0			
Acrolein	++++ 0.0448	0.0643 0.0449	0.0487	0.0475	0.0456	Ave		0.0493				15.0		20.0			
1,1-Dichloroethene	++++ 0.2303	0.3153 0.2332	0.2348	0.2467	0.2282	Ave		0.2481			0.1000	14.0		20.0			
1,1,2-Trichlorotrifluoroethane	++++ 0.2469	0.2930 0.2436	0.2603	0.2687	0.2451	Ave		0.2596			0.1000	7.4		20.0			
Iodomethane	++++ 0.3623	0.3952 0.3524	0.3688	0.3766	0.3726	Ave		0.3713				3.9		20.0			
Acetone	++++ 0.1176	0.1571 0.1174	0.1304	0.1250	0.1188	Ave		0.1277			0.1000	12.0		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.: 480-61593-1 Analy Batch No.: 186217

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2014 16:26 Calibration End Date: 06/06/2014 18:49 Calibration ID: 18674

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	++++ 0.7480	0.9676 0.7595	0.7808	0.7720	0.7513	Ave		0.7965			0.1000	11.0		20.0			
Allyl chloride	++++ 0.4084	0.5731 0.4261	0.4334	0.4120	0.4123	Ave		0.4442				14.0		20.0			
Methyl acetate	++++ 0.2776	0.3398 0.2810	0.2927	0.2890	0.2773	Ave		0.2929			0.1000	8.1		20.0			
Methylene Chloride	++++ 0.2745	0.5615 0.2716	0.3287	0.3104	0.2763	Lin1	0.3004	0.2686			0.1000				1.0000		0.9900
trans-1,2-Dichloroethene	++++ 0.2594	0.3303 0.2666	0.2587	0.2659	0.2591	Ave		0.2733			0.1000	10.0		20.0			
Methyl tert-butyl ether	++++ 0.8494	1.0980 0.8598	0.9053	0.8796	0.8470	Ave		0.9065			0.1000	11.0		20.0			
2-Methyl-2-propanol	++++ 0.0471	0.0439 0.0509	0.0442	0.0448	0.0430	Ave		0.0456				6.5		20.0			
Acrylonitrile	0.1554 0.1322	0.1555 0.1360	0.1338	0.1342	0.1311	Ave		0.1397				7.8		20.0			
Hexane	++++ 0.4247	0.6060 0.4245	0.4466	0.4356	0.4153	Ave		0.4588				16.0		20.0			
1,1-Dichloroethane	++++ 0.5021	0.6492 0.5021	0.5299	0.5075	0.4870	Ave		0.5296			0.2000	11.0		20.0			
Vinyl acetate	++++ 0.5759	0.6181 0.6038	0.5437	0.5511	0.5421	Ave		0.5724				5.7		20.0			
2,2-Dichloropropane	++++ 0.2790	0.3631 0.2679	0.2771	0.2875	0.2775	Ave		0.2920				12.0		20.0			
cis-1,2-Dichloroethene	++++ 0.2808	0.3623 0.2884	0.3106	0.2985	0.2799	Ave		0.3034			0.1000	10.0		20.0			
2-Butanone (MEK)	++++ 0.1858	0.2235 0.1889	0.1905	0.1876	0.1803	Ave		0.1928			0.1000	8.0		20.0			
Chlorobromomethane	++++ 0.1467	0.1811 0.1479	0.1510	0.1503	0.1437	Ave		0.1535				9.0		20.0			
Tetrahydrofuran	++++ 0.1183	0.1576 0.1205	0.1297	0.1259	0.1183	Ave		0.1284				12.0		20.0			
Chloroform	++++ 0.4807	0.6217 0.4857	0.5155	0.4961	0.4781	Ave		0.5130			0.2000	11.0		20.0			
Cyclohexane	++++ 0.5184	0.7214 0.5145	0.5080	0.5140	0.5017	Ave		0.5463			0.1000	16.0		20.0			
1,1,1-Trichloroethane	++++ 0.3946	0.4653 0.3964	0.3975	0.3808	0.3818	Ave		0.4027			0.1000	7.8		20.0			
Carbon tetrachloride	++++ 0.3336	0.3823 0.3459	0.3126	0.3152	0.3088	Ave		0.3331			0.1000	8.4		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.: 480-61593-1 Analy Batch No.: 186217

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2014 16:26 Calibration End Date: 06/06/2014 18:49 Calibration ID: 18674

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	+++++ 0.3481	0.4226 0.3569	0.3507	0.3532	0.3413	Ave		0.3621				8.3		20.0			
Benzene	+++++ 1.0462	1.3897 1.0495	1.1146	1.0875	1.0450	Ave		1.1221			0.5000	12.0		20.0			
Isobutyl alcohol	+++++ 0.0195	0.0143 0.0210	0.0163	0.0167	0.0175	Ave		0.0175				14.0		20.0			
1,2-Dichloroethane	+++++ 0.4254	0.5458 0.4285	0.4478	0.4254	0.4170	Ave		0.4483			0.1000	11.0		20.0			
n-Heptane	+++++ 0.4684	0.7359 0.4428	0.5127	0.4744	0.4398	Lin1	0.2955	0.4448							0.9990		0.9900
Trichloroethene	+++++ 0.2820	0.3646 0.2820	0.2863	0.2840	0.2807	Ave		0.2966			0.2000	11.0		20.0			
Methylcyclohexane	+++++ 0.4676	0.5991 0.4654	0.4528	0.4716	0.4525	Ave		0.4848			0.1000	12.0		20.0			
1,2-Dichloropropane	+++++ 0.2874	0.3460 0.2897	0.3041	0.2912	0.2836	Ave		0.3003			0.1000	7.8		20.0			
Dibromomethane	+++++ 0.1846	0.2238 0.1858	0.1946	0.1920	0.1822	Ave		0.1938			0.1000	8.0		20.0			
1,4-Dioxane	+++++ 0.0054	0.0042 0.0055	0.0061	0.0058	0.0053	Ave		0.0054				12.0		20.0			
Bromodichloromethane	+++++ 0.3625	0.4285 0.3779	0.3410	0.3491	0.3431	Ave		0.3670			0.2000	9.0		20.0			
2-Chloroethyl vinyl ether	+++++ 0.2044	0.2251 0.2133	0.1954	0.2042	0.1974	Ave		0.2066				5.3		20.0			
cis-1,3-Dichloropropene	0.4824 0.4227	0.4405 0.4409	0.3900	0.4051	0.4081	Ave		0.4271			0.2000	7.2		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.5448	0.6607 0.5439	0.5509	0.5469	0.5384	Ave		0.5643			0.1000	8.4		20.0			
Toluene	+++++ 0.9091	1.1232 0.9000	0.9357	0.9339	0.8862	Ave		0.9480			0.4000	9.3		20.0			
trans-1,3-Dichloropropene	0.4927 0.5206	0.5841 0.5373	0.4746	0.4866	0.4839	Ave		0.5114			0.1000	7.6		20.0			
Ethyl methacrylate	+++++ 0.5447	0.5846 0.5540	0.4960	0.5028	0.5216	Ave		0.5339				6.3		20.0			
1,1,2-Trichloroethane	+++++ 0.3019	0.3980 0.3025	0.3172	0.3023	0.2956	Ave		0.3196			0.1000	12.0		20.0			
Tetrachloroethene	+++++ 0.3620	0.4552 0.3559	0.3805	0.3811	0.3559	Ave		0.3818			0.2000	9.9		20.0			
1,3-Dichloropropane	+++++ 0.6085	0.7859 0.6081	0.6243	0.6349	0.5922	Ave		0.6423				11.0		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.: 480-61593-1 Analy Batch No.: 186217

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2014 16:26 Calibration End Date: 06/06/2014 18:49 Calibration ID: 18674

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	++++ 0.4055	0.4531 0.4028	0.3892	0.4004	0.3910	Ave		0.4070			0.1000	5.8		20.0			
Chlorodibromomethane	++++ 0.3647	0.4191 0.3796	0.3208	0.3202	0.3278	Ave		0.3554			0.1000	11.0		20.0			
1,2-Dibromoethane (EDB)	++++ 0.3675	0.4158 0.3679	0.3570	0.3634	0.3529	Ave		0.3707				6.2		20.0			
Chlorobenzene	++++ 1.0033	1.3305 0.9905	1.0258	1.0411	0.9839	Ave		1.0625			0.5000	13.0		20.0			
1,1,1,2-Tetrachloroethane	++++ 0.3215	0.3713 0.3327	0.3081	0.3059	0.3049	Ave		0.3241				7.9		20.0			
Ethylbenzene	++++ 1.7481	2.3046 1.7379	1.8378	1.8188	1.7026	Ave		1.8583			0.1000	12.0		20.0			
m,p-Xylene	++++ 0.6721	0.8237 0.6578	0.6969	0.6792	0.6562	Ave		0.6977			0.1000	9.1		20.0			
o-Xylene	++++ 0.6506	0.8388 0.6356	0.6561	0.6617	0.6340	Ave		0.6795			0.3000	12.0		20.0			
Styrene	++++ 1.1402	1.3287 1.1411	1.0806	1.1058	1.0963	Ave		1.1488			0.3000	8.0		20.0			
Bromoform	++++ 0.2099	0.2056 0.2293	0.1737	0.1811	0.1868	Ave		0.1977			0.1000	11.0		20.0			
Isopropylbenzene	++++ 3.4018	4.3685 3.4790	3.5275	3.3929	3.3510	Ave		3.5868			0.1000	11.0		20.0			
Bromobenzene	++++ 0.7784	1.0237 0.7997	0.8076	0.8088	0.7655	Ave		0.8306				12.0		20.0			
1,1,2,2-Tetrachloroethane	++++ 1.0337	1.2608 1.0628	1.0583	1.0052	1.0040	Ave		1.0708			0.3000	9.0		20.0			
N-Propylbenzene	++++ 4.1470	5.3486 4.2262	4.3530	4.0612	4.0455	Ave		4.3636				11.0		20.0			
1,2,3-Trichloropropane	++++ 0.3255	0.3686 0.3317	0.3421	0.3237	0.3220	Ave		0.3356				5.3		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.3208	0.2368 0.3579	0.2615	0.2560	0.2904	Ave		0.2872				16.0		20.0			
2-Chlorotoluene	++++ 0.7817	0.9765 0.7902	0.8288	0.7770	0.7747	Ave		0.8215				9.6		20.0			
1,3,5-Trimethylbenzene	++++ 2.8585	3.7497 2.9599	2.9387	2.8390	2.8345	Ave		3.0300				12.0		20.0			
4-Chlorotoluene	++++ 2.8575	3.6268 2.9056	2.9605	2.8652	2.8315	Ave		3.0079				10.0		20.0			
tert-Butylbenzene	++++ 0.5635	0.7919 0.5780	0.5662	0.5563	0.5660	Ave		0.6037				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.: 480-61593-1 Analy Batch No.: 186217

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2014 16:26 Calibration End Date: 06/06/2014 18:49 Calibration ID: 18674

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	++++ 2.9621	3.6956 3.0131	3.1097	2.9739	2.9326	Ave		3.1145				9.4		20.0			
sec-Butylbenzene	++++ 3.6447	4.7732 3.7451	3.8673	3.7215	3.6288	Ave		3.8968				11.0		20.0			
1,3-Dichlorobenzene	++++ 1.5148	1.9234 1.5443	1.6317	1.5558	1.5237	Ave		1.6156			0.6000	9.7		20.0			
4-Isopropyltoluene	++++ 3.1141	3.8542 3.1779	3.2593	3.0850	3.1157	Ave		3.2677				9.0		20.0			
1,4-Dichlorobenzene	++++ 1.5715	2.1575 1.5796	1.6531	1.6104	1.5373	Ave		1.6849			0.5000	14.0		20.0			
n-Butylbenzene	++++ 2.9385	3.5054 2.9586	3.0027	2.9155	2.9238	Ave		3.0407				7.6		20.0			
1,2-Dichlorobenzene	++++ 1.4822	1.9990 1.5029	1.5338	1.5076	1.4874	Ave		1.5855			0.4000	13.0		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1917	0.2257 0.2052	0.1794	0.1546	0.1718	Ave		0.1881			0.0500	13.0		20.0			
1,2,4-Trichlorobenzene	++++ 0.9485	1.1946 0.9376	0.9770	0.9846	0.9448	Ave		0.9979			0.2000	9.8		20.0			
Hexachlorobutadiene	0.4721 0.4329	0.5673 0.4236	0.4830	0.4554	0.4304	Ave		0.4664				11.0		20.0			
Naphthalene	++++ 3.0171	3.2883 2.9561	2.8712	2.8545	2.9422	Ave		2.9882				5.3		20.0			
1,2,3-Trichlorobenzene	++++ 0.9009	1.1774 0.8691	0.9217	0.9052	0.9110	Ave		0.9476				12.0		20.0			
Dibromofluoromethane (Surr)	0.2565 0.2612	0.2515 0.2639	0.2578	0.2529	0.2558	Ave		0.2571				1.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3455 0.3442	0.3294 0.3444	0.3455	0.3350	0.3413	Ave		0.3408				1.8		20.0			
Toluene-d8 (Surr)	1.3230 1.3537	1.3505 1.3401	1.3477	1.3208	1.3148	Ave		1.3358				1.2		20.0			
4-Bromofluorobenzene (Surr)	0.3613 0.3800	0.3730 0.3795	0.3807	0.3723	0.3613	Ave		0.3726				2.3		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1 Analy Batch No.: 186217

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2014 16:26 Calibration End Date: 06/06/2014 18:49 Calibration ID: 18674

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-186217/4	T1918.D
Level 2	IC 480-186217/5	T1919.D
Level 3	IC 480-186217/6	T1920.D
Level 4	IC 480-186217/7	T1921.D
Level 5	ICIS 480-186217/8	T1922.D
Level 6	IC 480-186217/9	T1923.D
Level 7	IC 480-186217/10	T1924.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	++++ 441866	9877 894977	46484	94816	217139	++++ 50.0	1.00 100	5.00	10.0	25.0
Chloromethane	FB	Ave	++++ 435736	10298 915048	46439	91922	218334	++++ 50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	FB	Ave	3660 411236	8929 827663	44057	86911	205234	0.400 50.0	1.00 100	5.00	10.0	25.0
Butadiene	FB	Ave	++++ 427637	10025 855191	45653	91296	211144	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	FB	Lin1	++++ 150858	4864 294169	16866	30718	87036	++++ 50.0	1.00 100	5.00	10.0	25.0
Chloroethane	FB	Ave	++++ 205845	5486 410630	20890	40463	109718	++++ 50.0	1.00 100	5.00	10.0	25.0
Dichlorofluoromethane	FB	Ave	++++ 415455	10300 795518	46601	88838	226523	++++ 50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	FB	Ave	++++ 465748	8759 960184	42854	93471	233082	++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl ether	FB	Ave	++++ 333497	9087 676640	35303	69141	163338	++++ 50.0	1.00 100	5.00	10.0	25.0
Acrolein	FB	Ave	++++ 284451	7891 584166	29103	57427	140537	++++ 250	5.00 500	25.0	50.0	125
1,1-Dichloroethene	FB	Ave	++++ 292209	7738 606713	28085	59616	140703	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichlorotrifluoroethane	FB	Ave	++++ 313292	7192 633718	31142	64937	151078	++++ 50.0	1.00 100	5.00	10.0	25.0
Iodomethane	FB	Ave	++++ 459748	9701 916681	44118	91012	229695	++++ 50.0	1.00 100	5.00	10.0	25.0
Acetone	FB	Ave	++++ 746506	19276 1527358	78001	151063	366057	++++ 250	5.00 500	25.0	50.0	125
Carbon disulfide	FB	Ave	++++ 949306	23748 1975864	93399	186554	463167	++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1 Analy Batch No.: 186217

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2014 16:26 Calibration End Date: 06/06/2014 18:49 Calibration ID: 18674

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	++++ 518305	14066 1108381	51841	99550	254209	++++ 50.0	1.00 100	5.00	10.0	25.0
Methyl acetate	FB	Ave	++++ 1761661	41703 3654832	175042	349186	854871	++++ 250	5.00 500	25.0	50.0	125
Methylene Chloride	FB	Lin1	++++ 348309	13781 706505	39322	75010	170343	++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,2-Dichloroethene	FB	Ave	++++ 329163	8108 693460	30944	64244	159729	++++ 50.0	1.00 100	5.00	10.0	25.0
Methyl tert-butyl ether	FB	Ave	++++ 1077938	26949 2236757	108290	212538	522187	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Methyl-2-propanol	FB	Ave	++++ 597733	10767 1325328	52842	108315	264930	++++ 500	10.0 1000	50.0	100	250
Acrylonitrile	FB	Ave	14816 1677729	38169 3537919	160079	324244	808001	4.00 500	10.0 1000	50.0	100	250
Hexane	FB	Ave	++++ 539029	14874 1104198	53423	105259	256042	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethane	FB	Ave	++++ 637247	15934 1306195	63387	122636	300226	++++ 50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	FB	Ave	++++ 1461629	30343 3141666	130066	266314	668355	++++ 100	2.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	++++ 354026	8912 696889	33142	69477	171081	++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	FB	Ave	++++ 356309	8892 750354	37149	72124	172534	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	FB	Ave	++++ 1179225	27431 2456375	113968	226709	555761	++++ 250	5.00 500	25.0	50.0	125
Chlorobromomethane	FB	Ave	++++ 186235	4445 384736	18064	36317	88561	++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	FB	Ave	++++ 300248	7735 626961	31036	60840	145810	++++ 100	2.00 200	10.0	20.0	50.0
Chloroform	FB	Ave	++++ 610106	15258 1263355	61666	119886	294751	++++ 50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	FB	Ave	++++ 657837	17706 1338272	60766	124192	309293	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	FB	Ave	++++ 500840	11420 1031182	47547	92018	235379	++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon tetrachloride	FB	Ave	++++ 423420	9382 899831	37390	76169	190371	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloropropene	FB	Ave	++++ 441791	10373 928423	41948	85352	210418	++++ 50.0	1.00 100	5.00	10.0	25.0
Benzene	FB	Ave	++++ 1327704	34109 2730178	133332	262773	644216	++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1 Analy Batch No.: 186217

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2014 16:26 Calibration End Date: 06/06/2014 18:49 Calibration ID: 18674

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
Isobutyl alcohol	FB	Ave	++++ 617582	8766 1364114	48735	101163	270097	++++ 1250	25.0 2500	125	250	625
1,2-Dichloroethane	FB	Ave	++++ 539874	13396 1114675	53564	102794	257063	++++ 50.0	1.00 100	5.00	10.0	25.0
n-Heptane	FB	Lin1	++++ 594391	18062 1151940	61330	114622	271133	++++ 50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	FB	Ave	++++ 357861	8949 733526	34248	68635	173043	++++ 50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	FB	Ave	++++ 593461	14705 1210664	54163	113949	278952	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	FB	Ave	++++ 364733	8492 753657	36375	70354	174823	++++ 50.0	1.00 100	5.00	10.0	25.0
Dibromomethane	FB	Ave	++++ 234328	5494 483335	23277	46383	112353	++++ 50.0	1.00 100	5.00	10.0	25.0
1,4-Dioxane	CBZ	Ave	++++ 100038	1476 210634	10628	20541	48364	++++ 1000	20.0 2000	100	200	500
Bromodichloromethane	FB	Ave	++++ 459977	10518 982968	40788	84365	211547	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	FB	Ave	++++ 259372	5525 554987	23370	49341	121721	++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	4598 536414	10812 1147054	46656	97878	251585	0.400 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	++++ 2535273	57809 5254949	238759	480987	1225875	++++ 250	5.00 500	25.0	50.0	125
Toluene	CBZ	Ave	++++ 846061	19654 1739239	81111	164263	403554	++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBZ	Ave	3432 484511	10220 1038310	41135	85582	220349	0.400 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBZ	Ave	++++ 506912	10229 1070542	42990	88437	237523	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBZ	Ave	++++ 280981	6964 584474	27494	53174	134615	++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBZ	Ave	++++ 336874	7965 687670	32984	67034	162091	++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichloropropane	CBZ	Ave	++++ 566281	13752 1175164	54114	111672	269673	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBZ	Ave	++++ 1886817	39643 3891772	168684	352172	890202	++++ 250	5.00 500	25.0	50.0	125
Chlorodibromomethane	CBZ	Ave	++++ 339396	7333 733568	27804	56329	149255	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromoethane (EDB)	CBZ	Ave	++++ 341979	7276 710981	30946	63912	160714	++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1 Analy Batch No.: 186217

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2014 16:26 Calibration End Date: 06/06/2014 18:49 Calibration ID: 18674

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	++++ 933746	23281 1914002	88919	183120	448051	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	++++ 299230	6497 642877	26704	53813	138838	++++ 50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBZ	Ave	++++ 1626874	40327 3358325	159304	319914	775315	++++ 50.0	1.00 100	5.00	10.0	25.0
m,p-Xylene	CBZ	Ave	++++ 625519	14413 1271234	60409	119474	298835	++++ 50.0	1.00 100	5.00	10.0	25.0
o-Xylene	CBZ	Ave	++++ 605495	14677 1228259	56870	116395	288705	++++ 50.0	1.00 100	5.00	10.0	25.0
Styrene	CBZ	Ave	++++ 1061161	23250 2205125	93668	194501	499248	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBZ	Ave	++++ 195391	3597 443149	15059	31854	85049	++++ 50.0	1.00 100	5.00	10.0	25.0
Isopropylbenzene	DCB	Ave	++++ 1635117	37485 3311632	153821	310002	785077	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromobenzene	DCB	Ave	++++ 374137	8784 761221	35216	73902	179336	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCB	Ave	++++ 496849	10819 1011624	46151	91839	235222	++++ 50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCB	Ave	++++ 1993319	45895 4022868	189819	371063	947783	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCB	Ave	++++ 156442	3163 315698	14917	29580	75438	++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCB	Ave	++++ 154206	2032 340668	11401	23394	68041	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chlorotoluene	DCB	Ave	++++ 375718	8379 752185	36140	70993	181490	++++ 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCB	Ave	++++ 1373947	32175 2817446	128149	259387	664064	++++ 50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCB	Ave	++++ 1373486	31121 2765830	129098	261786	663370	++++ 50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCB	Ave	++++ 270869	6795 550163	24691	50829	132604	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCB	Ave	++++ 1423779	31711 2868157	135606	271716	687052	++++ 50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCB	Ave	++++ 1751855	40958 3564878	168639	340025	850174	++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCB	Ave	++++ 728126	16504 1470039	71153	142150	356987	++++ 50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCB	Ave	++++ 1496847	33072 3025016	142126	281864	729944	++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1 Analy Batch No.: 186217

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2014 16:26 Calibration End Date: 06/06/2014 18:49 Calibration ID: 18674

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	++++ 755375	18513 1503569	72087	147141	360153	++++ 50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCB	Ave	++++ 1412420	30079 2816226	130939	266383	684987	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCB	Ave	++++ 712442	17153 1430604	66883	137748	348474	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	++++ 92134	1937 195312	7823	14127	40246	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCB	Ave	++++ 455927	10251 892520	42602	89962	221360	++++ 50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCB	Ave	1563 208074	4868 403224	21061	41606	100845	0.400 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCB	Ave	++++ 1450221	28216 2813865	125205	260807	689316	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCB	Ave	++++ 433036	10103 827310	40194	82707	213426	++++ 50.0	1.00 100	5.00	10.0	25.0
Dibromofluoromethane (Surr)	FB	Ave	152798 165749	154333 171652	154163	152771	157688	25.0 25.0	25.0 25.0	25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	205809 218404	202141 223984	206654	202357	210398	25.0 25.0	25.0 25.0	25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	576027 629923	590801 647427	584124	580789	598734	25.0 25.0	25.0 25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	157300 176847	163194 183333	164978	163725	164517	25.0 25.0	25.0 25.0	25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1918.D
 Lims ID: IC 0.4
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 06-Jun-2014 16:26:30 ALS Bottle#: 19 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.4
 Misc. Info.: 480-0032722-004
 Operator ID: LH/CN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Jun-2014 08:47:37 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: HillL

Date: 09-Jun-2014 08:47:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.336	-0.001	98	595728	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	86	435385	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	97	206916	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	57	152798	25.0	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	205809	25.0	25.3	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	94	576027	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	88	157300	25.0	24.2	
11 Dichlorodifluoromethane	85		0.916					ND	
13 Chloromethane	50		1.030					ND	
14 Vinyl chloride	62	1.102	1.102	0.000	39	3660	0.4000	0.4387	
151 Butadiene	54		1.123					ND	
15 Bromomethane	94		1.320					ND	
16 Chloroethane	64		1.403					ND	
17 Trichlorofluoromethane	101		1.568					ND	
18 Dichlorofluoromethane	67		1.568					ND	
19 Ethyl ether	59		1.796					ND	
21 Acrolein	56		1.962					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		1.973					ND	
22 1,1-Dichloroethene	96		1.973					ND	
23 Acetone	43		2.107					ND	
24 Iodomethane	142		2.107					ND	
25 Carbon disulfide	76		2.128					ND	
27 3-Chloro-1-propene	41		2.304					ND	
28 Methyl acetate	43		2.377					ND	
30 Methylene Chloride	84		2.439					ND	
32 trans-1,2-Dichloroethene	96		2.636					ND	
33 Methyl tert-butyl ether	73		2.636					ND	
31 2-Methyl-2-propanol	59		2.636					ND	
34 Acrylonitrile	53	2.719	2.708	0.011	96	14816	4.00	4.45	
35 Hexane	57		2.812					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		3.009					ND	
39 Vinyl acetate	43		3.071					ND	
42 2,2-Dichloropropane	77		3.444					ND	
43 cis-1,2-Dichloroethene	96		3.475					ND	
44 2-Butanone (MEK)	43		3.537					ND	
47 Chlorobromomethane	128		3.672					ND	
48 Tetrahydrofuran	42		3.703					ND	
50 Chloroform	83		3.745					ND	
52 Cyclohexane	56		3.817					ND	
51 1,1,1-Trichloroethane	97		3.828					ND	
53 Carbon tetrachloride	117		3.931					ND	
54 1,1-Dichloropropene	75		3.952					ND	
55 Benzene	78		4.118					ND	
56 Isobutyl alcohol	43		4.170					ND	
57 1,2-Dichloroethane	62		4.180					ND	
59 n-Heptane	43		4.273					ND	
60 Trichloroethene	95		4.605					ND	
62 Methylcyclohexane	83		4.688					ND	
63 1,2-Dichloropropane	63		4.802					ND	
65 Dibromomethane	93		4.905					ND	
66 1,4-Dioxane	88		4.936					ND	
67 Dichlorobromomethane	83		5.030					ND	
69 2-Chloroethyl vinyl ether	63		5.258					ND	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	50	4598	0.4000	0.4518	
72 4-Methyl-2-pentanone (MIBK)	43		5.475					ND	
73 Toluene	92		5.569					ND	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	64	3432	0.4000	0.3854	
77 Ethyl methacrylate	69		5.838					ND	
78 1,1,2-Trichloroethane	83		5.931					ND	
79 Tetrachloroethene	166		5.962					ND	
80 1,3-Dichloropropane	76		6.045					ND	
81 2-Hexanone	43		6.118					ND	
82 Chlorodibromomethane	129		6.221					ND	
83 Ethylene Dibromide	107		6.294					ND	
86 Chlorobenzene	112		6.657					ND	
89 1,1,1,2-Tetrachloroethane	131		6.729					ND	
88 Ethylbenzene	91		6.729					ND	
90 m-Xylene & p-Xylene	106		6.823					ND	
91 o-Xylene	106		7.133					ND	
92 Styrene	104		7.154					ND	
93 Bromoform	173		7.330					ND	
95 Isopropylbenzene	105		7.413					ND	
97 Bromobenzene	156		7.672					ND	
98 1,1,2,2-Tetrachloroethane	83		7.724					ND	
99 N-Propylbenzene	91		7.745					ND	
100 1,2,3-Trichloropropane	110		7.755					ND	
101 trans-1,4-Dichloro-2-buten	53		7.766					ND	
105 2-Chlorotoluene	126		7.828					ND	
104 1,3,5-Trimethylbenzene	105		7.890					ND	
102 4-Chlorotoluene	91		7.911					ND	
106 tert-Butylbenzene	134		8.149					ND	
107 1,2,4-Trimethylbenzene	105		8.190					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		8.325					ND	
110 1,3-Dichlorobenzene	146		8.429					ND	
111 4-Isopropyltoluene	119		8.450					ND	
113 1,4-Dichlorobenzene	146		8.512					ND	
115 n-Butylbenzene	91		8.781					ND	
116 1,2-Dichlorobenzene	146		8.812					ND	
117 1,2-Dibromo-3-Chloropropan	75		9.486					ND	
119 1,2,4-Trichlorobenzene	180		10.118					ND	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	19	1563	0.4000	0.4049	
121 Naphthalene	128		10.336					ND	
122 1,2,3-Trichlorobenzene	180		10.533					ND	
S 123 1,3-Dichloropropene, Total	1				0			0.8371	
S 124 1,2-Dichloroethene, Total	1		30.000					0	
S 125 Total BTEX	1		30.000					0	
S 126 Xylenes, Total	1		30.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1918.D

Injection Date: 06-Jun-2014 16:26:30

Instrument ID: HP5975T

Operator ID: LH/CN

Lims ID: IC 0.4

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

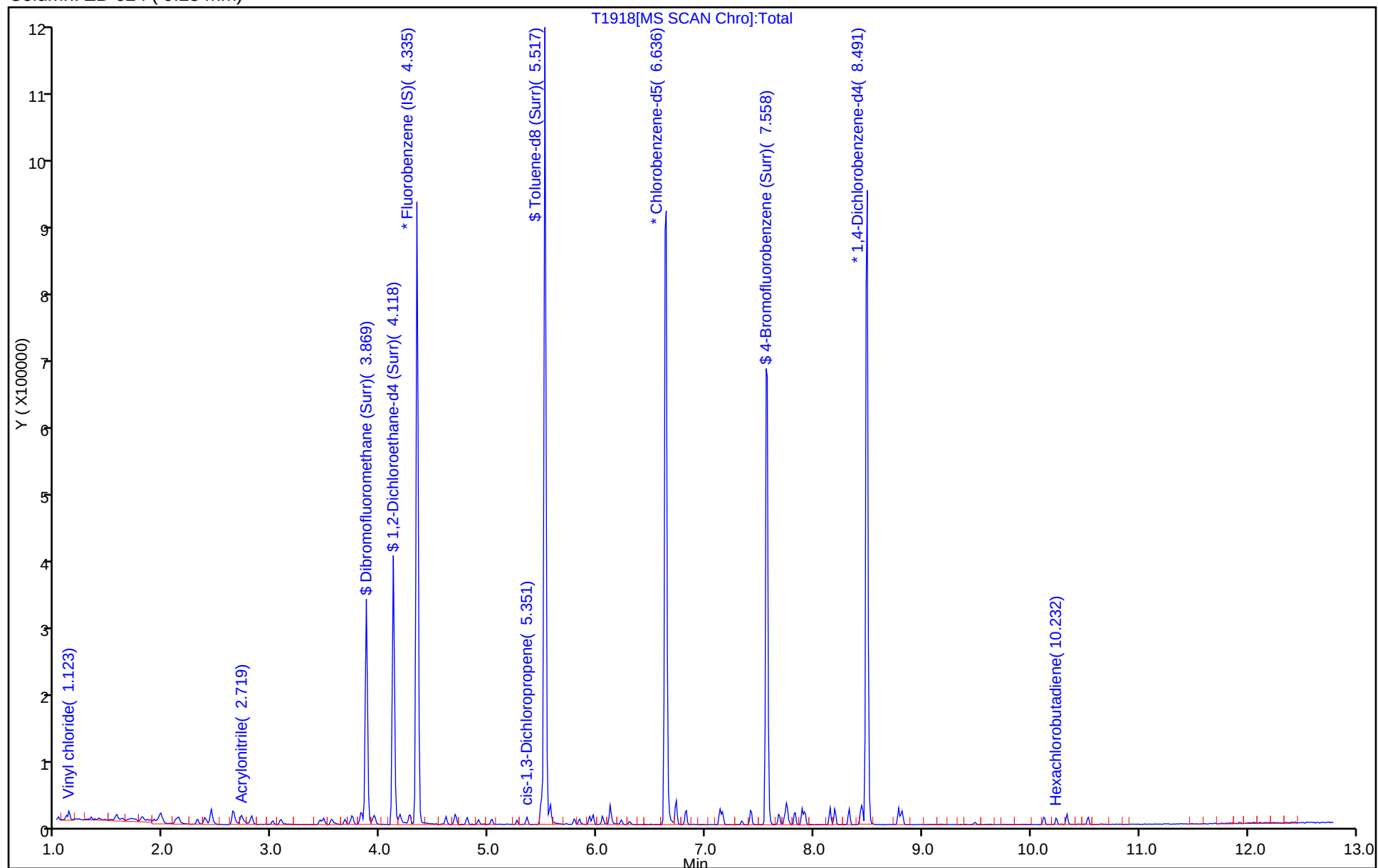
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1919.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 06-Jun-2014 16:50:30 ALS Bottle#: 20 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0032722-005
 Operator ID: LH/CN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Jun-2014 08:48:42 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: HillL

Date: 08-Jun-2014 14:28:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.336	0.000	98	613603	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	86	437461	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	96	214519	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	57	154333	25.0	24.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	202141	25.0	24.2	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	93	590801	25.0	25.3	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	88	163194	25.0	25.0	
11 Dichlorodifluoromethane	85	0.916	0.916	0.000	80	9877	1.00	1.08	
13 Chloromethane	50	1.019	1.030	-0.011	99	10298	1.00	1.13	
14 Vinyl chloride	62	1.102	1.102	0.000	79	8929	1.00	1.04	
151 Butadiene	54	1.123	1.123	0.000	90	10025	1.00	1.13	
15 Bromomethane	94	1.320	1.320	0.000	79	4864	1.00	0.8377	
16 Chloroethane	64	1.393	1.403	-0.010	50	5486	1.00	1.26	
17 Trichlorofluoromethane	101	1.558	1.568	-0.010	58	8759	1.00	0.9662	
18 Dichlorofluoromethane	67	1.558	1.568	-0.010	72	10300	1.00	1.16	
19 Ethyl ether	59	1.797	1.796	0.001	92	9087	1.00	1.28	
21 Acrolein	56	1.952	1.962	-0.010	89	7891	5.00	6.52	
20 1,1,2-Trichloro-1,2,2-trif	101	1.973	1.973	0.000	44	7192	1.00	1.13	
22 1,1-Dichloroethene	96	1.973	1.973	0.000	83	7738	1.00	1.27	
23 Acetone	43	2.118	2.107	0.011	93	19276	5.00	6.15	
24 Iodomethane	142	2.108	2.107	0.001	56	9701	1.00	1.06	
25 Carbon disulfide	76	2.128	2.128	0.000	98	23748	1.00	1.21	
27 3-Chloro-1-propene	41	2.305	2.304	0.000	76	14066	1.00	1.29	
28 Methyl acetate	43	2.377	2.377	0.000	97	41703	5.00	5.80	
30 Methylene Chloride	84	2.439	2.439	0.000	88	13781	1.00	0.9720	
31 2-Methyl-2-propanol	59	2.657	2.636	0.021	48	10767	10.0	9.61	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	85	8108	1.00	1.21	
33 Methyl tert-butyl ether	73	2.646	2.636	0.010	92	26949	1.00	1.21	
34 Acrylonitrile	53	2.719	2.708	0.011	100	38169	10.0	11.1	
35 Hexane	57	2.802	2.812	-0.010	88	14874	1.00	1.32	

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	2.999	3.009	-0.010	70	15934	1.00	1.23	
39 Vinyl acetate	43	3.071	3.071	0.000	95	30343	2.00	2.16	
42 2,2-Dichloropropane	77	3.444	3.444	0.000	77	8912	1.00	1.24	
43 cis-1,2-Dichloroethene	96	3.476	3.475	0.001	60	8892	1.00	1.19	
44 2-Butanone (MEK)	43	3.548	3.537	0.011	96	27431	5.00	5.80	
47 Chlorobromomethane	128	3.672	3.672	0.000	83	4445	1.00	1.18	
48 Tetrahydrofuran	42	3.724	3.703	0.021	84	7735	2.00	2.45	
50 Chloroform	83	3.745	3.745	0.000	77	15258	1.00	1.21	
52 Cyclohexane	56	3.818	3.817	0.001	88	17706	1.00	1.32	
51 1,1,1-Trichloroethane	97	3.818	3.828	-0.010	72	11420	1.00	1.16	
53 Carbon tetrachloride	117	3.932	3.931	0.001	82	9382	1.00	1.15	
54 1,1-Dichloropropene	75	3.942	3.952	-0.010	75	10373	1.00	1.17	
55 Benzene	78	4.118	4.118	0.000	48	34109	1.00	1.24	
56 Isobutyl alcohol	43	4.180	4.170	0.010	73	8766	25.0	20.4	
57 1,2-Dichloroethane	62	4.180	4.180	0.000	83	13396	1.00	1.22	
59 n-Heptane	43	4.263	4.273	-0.010	87	18062	1.00	0.9899	
60 Trichloroethene	95	4.605	4.605	0.000	80	8949	1.00	1.23	
62 Methylcyclohexane	83	4.688	4.688	0.000	91	14705	1.00	1.24	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	79	8492	1.00	1.15	
65 Dibromomethane	93	4.906	4.905	0.001	80	5494	1.00	1.15	
66 1,4-Dioxane	88	4.957	4.936	0.021	30	1476	20.0	15.7	
67 Dichlorobromomethane	83	5.030	5.030	0.000	77	10518	1.00	1.17	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	74	5525	1.00	1.09	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	59	10812	1.00	1.03	
72 4-Methyl-2-pentanone (MIBK)	43	5.486	5.475	0.011	97	57809	5.00	5.85	
73 Toluene	92	5.569	5.569	0.000	91	19654	1.00	1.18	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	84	10220	1.00	1.14	
77 Ethyl methacrylate	69	5.838	5.838	0.000	79	10229	1.00	1.09	
78 1,1,2-Trichloroethane	83	5.932	5.931	0.001	77	6964	1.00	1.25	
79 Tetrachloroethene	166	5.963	5.962	0.001	79	7965	1.00	1.19	
80 1,3-Dichloropropane	76	6.046	6.045	0.001	88	13752	1.00	1.22	
81 2-Hexanone	43	6.118	6.118	0.000	97	39643	5.00	5.57	
82 Chlorodibromomethane	129	6.222	6.221	0.001	56	7333	1.00	1.18	
83 Ethylene Dibromide	107	6.294	6.294	0.000	83	7276	1.00	1.12	
86 Chlorobenzene	112	6.657	6.657	0.000	89	23281	1.00	1.25	
89 1,1,1,2-Tetrachloroethane	131	6.730	6.729	0.001	37	6497	1.00	1.15	
88 Ethylbenzene	91	6.730	6.729	0.001	96	40327	1.00	1.24	
90 m-Xylene & p-Xylene	106	6.812	6.823	-0.011	0	14413	1.00	1.18	
91 o-Xylene	106	7.134	7.133	0.001	94	14677	1.00	1.23	
92 Styrene	104	7.154	7.154	0.000	89	23250	1.00	1.16	
93 Bromoform	173	7.331	7.330	0.001	74	3597	1.00	1.04	
95 Isopropylbenzene	105	7.413	7.413	0.000	95	37485	1.00	1.22	
97 Bromobenzene	156	7.673	7.672	0.001	95	8784	1.00	1.23	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	72	10819	1.00	1.18	
99 N-Propylbenzene	91	7.745	7.745	0.000	98	45895	1.00	1.23	
100 1,2,3-Trichloropropane	110	7.755	7.755	0.000	76	3163	1.00	1.10	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	49	2032	1.00	0.8244	
105 2-Chlorotoluene	126	7.818	7.828	-0.010	89	8379	1.00	1.19	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	89	32175	1.00	1.24	
102 4-Chlorotoluene	91	7.911	7.911	0.000	93	31121	1.00	1.21	
106 tert-Butylbenzene	134	8.149	8.149	0.000	85	6795	1.00	1.31	
107 1,2,4-Trimethylbenzene	105	8.191	8.190	0.001	90	31711	1.00	1.19	

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	8.325	8.325	0.000	84	40958	1.00	1.22	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	92	16504	1.00	1.19	
111 4-Isopropyltoluene	119	8.450	8.450	0.000	95	33072	1.00	1.18	
113 1,4-Dichlorobenzene	146	8.502	8.512	-0.010	80	18513	1.00	1.28	
115 n-Butylbenzene	91	8.781	8.781	0.000	94	30079	1.00	1.15	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	81	17153	1.00	1.26	
117 1,2-Dibromo-3-Chloropropan	75	9.476	9.486	-0.010	7	1937	1.00	1.20	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	83	10251	1.00	1.20	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	65	4868	1.00	1.22	
121 Naphthalene	128	10.336	10.336	0.000	92	28216	1.00	1.10	
122 1,2,3-Trichlorobenzene	180	10.533	10.533	0.001	82	10103	1.00	1.24	
S 123 1,3-Dichloropropene, Total	1				0			2.17	
S 124 1,2-Dichloroethene, Total	1				0			2.40	
S 125 Total BTEX	1				0			6.08	
S 126 Xylenes, Total	1				0			2.42	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1919.D

Injection Date: 06-Jun-2014 16:50:30

Instrument ID: HP5975T

Lims ID: IC

Operator ID: LH/CN

Client ID:

Worklist Smp#: 5

Purge Vol: 5.000 mL

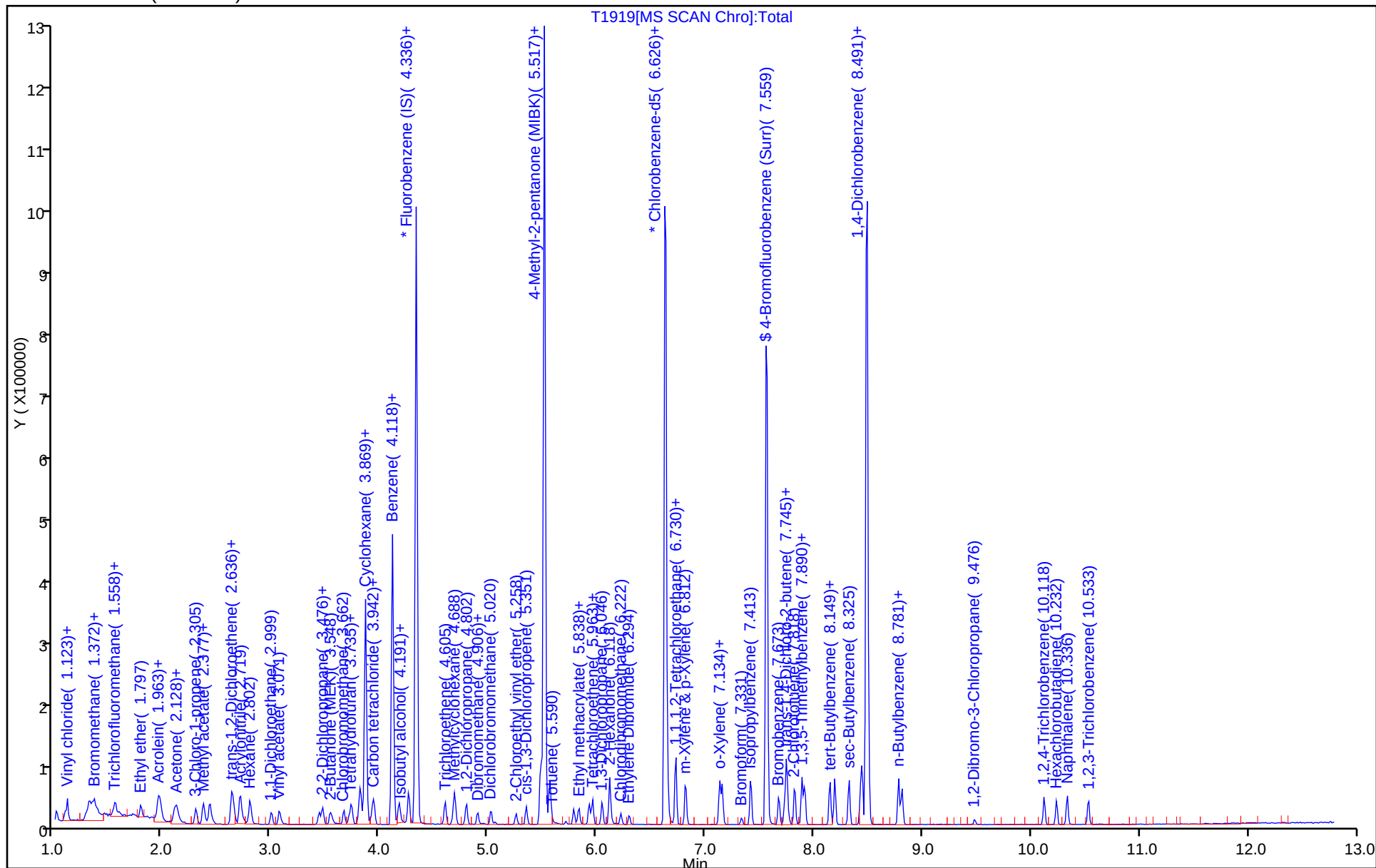
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1920.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 06-Jun-2014 17:14:30 ALS Bottle#: 21 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0032722-006
 Operator ID: LH/CN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Jun-2014 08:49:39 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: HillL

Date: 08-Jun-2014 14:29:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.336	-0.001	98	598105	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	88	433407	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	93	218034	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	154163	25.0	25.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	206654	25.0	25.3	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	92	584124	25.0	25.2	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	89	164978	25.0	25.5	
11 Dichlorodifluoromethane	85	0.916	0.916	0.000	86	46484	5.00	5.23	
13 Chloromethane	50	1.030	1.030	0.000	88	46439	5.00	5.21	
14 Vinyl chloride	62	1.102	1.102	0.000	83	44057	5.00	5.26	
151 Butadiene	54	1.123	1.123	0.000	91	45653	5.00	5.26	
15 Bromomethane	94	1.320	1.320	0.000	93	16866	5.00	5.17	
16 Chloroethane	64	1.403	1.403	0.000	89	20890	5.00	4.93	
17 Trichlorofluoromethane	101	1.568	1.568	0.000	60	42854	5.00	4.85	
18 Dichlorofluoromethane	67	1.568	1.568	0.000	79	46601	5.00	5.37	
19 Ethyl ether	59	1.796	1.796	0.000	93	35303	5.00	5.09	
21 Acrolein	56	1.962	1.962	0.000	90	29103	25.0	24.7	
22 1,1-Dichloroethene	96	1.973	1.973	0.000	85	28085	5.00	4.73	
20 1,1,2-Trichloro-1,2,2-trif	101	1.983	1.973	0.010	76	31142	5.00	5.01	
24 Iodomethane	142	2.107	2.107	0.000	97	44118	5.00	4.97	
23 Acetone	43	2.107	2.107	0.000	99	78001	25.0	25.5	
25 Carbon disulfide	76	2.128	2.128	0.000	100	93399	5.00	4.90	
27 3-Chloro-1-propene	41	2.304	2.304	0.000	87	51841	5.00	4.88	
28 Methyl acetate	43	2.377	2.377	0.000	96	175042	25.0	25.0	
30 Methylene Chloride	84	2.439	2.439	0.000	91	39322	5.00	5.00	
31 2-Methyl-2-propanol	59	2.646	2.636	0.010	49	52842	50.0	48.4	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	90	30944	5.00	4.73	
33 Methyl tert-butyl ether	73	2.646	2.636	0.010	91	108290	5.00	4.99	
34 Acrylonitrile	53	2.708	2.708	0.000	99	160079	50.0	47.9	
35 Hexane	57	2.812	2.812	0.000	92	53423	5.00	4.87	

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	2.999	3.009	-0.011	86	63387	5.00	5.00	
39 Vinyl acetate	43	3.071	3.071	0.000	97	130066	10.0	9.50	
42 2,2-Dichloropropane	77	3.444	3.444	0.000	86	33142	5.00	4.74	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	70	37149	5.00	5.12	
44 2-Butanone (MEK)	43	3.537	3.537	0.000	100	113968	25.0	24.7	
47 Chlorobromomethane	128	3.672	3.672	0.000	90	18064	5.00	4.92	
48 Tetrahydrofuran	42	3.714	3.703	0.011	87	31036	10.0	10.1	
50 Chloroform	83	3.745	3.745	0.000	83	61666	5.00	5.02	
52 Cyclohexane	56	3.817	3.817	0.000	92	60766	5.00	4.65	
51 1,1,1-Trichloroethane	97	3.817	3.828	-0.011	85	47547	5.00	4.93	
53 Carbon tetrachloride	117	3.931	3.931	0.000	79	37390	5.00	4.69	
54 1,1-Dichloropropene	75	3.942	3.952	-0.010	89	41948	5.00	4.84	
55 Benzene	78	4.118	4.118	0.000	70	133332	5.00	4.97	
56 Isobutyl alcohol	43	4.180	4.170	0.010	84	48735	125.0	116.1	
57 1,2-Dichloroethane	62	4.180	4.180	0.000	86	53564	5.00	4.99	
59 n-Heptane	43	4.263	4.273	-0.010	93	61330	5.00	5.10	
60 Trichloroethene	95	4.605	4.605	0.000	91	34248	5.00	4.83	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	54163	5.00	4.67	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	89	36375	5.00	5.06	
65 Dibromomethane	93	4.905	4.905	0.000	85	23277	5.00	5.02	
66 1,4-Dioxane	88	4.936	4.936	0.000	85	10628	100.0	113.8	M
67 Dichlorobromomethane	83	5.030	5.030	0.000	90	40788	5.00	4.65	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	91	23370	5.00	4.73	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	83	46656	5.00	4.57	
72 4-Methyl-2-pentanone (MIBK)	43	5.475	5.475	0.000	98	238759	25.0	24.4	
73 Toluene	92	5.569	5.569	0.000	96	81111	5.00	4.94	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	92	41135	5.00	4.64	
77 Ethyl methacrylate	69	5.838	5.838	0.000	87	42990	5.00	4.64	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	90	27494	5.00	4.96	
79 Tetrachloroethene	166	5.962	5.962	0.000	82	32984	5.00	4.98	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	96	54114	5.00	4.86	
81 2-Hexanone	43	6.118	6.118	0.000	98	168684	25.0	23.9	
82 Chlorodibromomethane	129	6.221	6.221	0.000	86	27804	5.00	4.51	
83 Ethylene Dibromide	107	6.294	6.294	0.000	97	30946	5.00	4.81	
86 Chlorobenzene	112	6.657	6.657	0.000	93	88919	5.00	4.83	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	38	26704	5.00	4.75	
88 Ethylbenzene	91	6.729	6.729	0.000	99	159304	5.00	4.94	
90 m-Xylene & p-Xylene	106	6.822	6.823	-0.001	0	60409	5.00	4.99	
91 o-Xylene	106	7.133	7.133	0.000	98	56870	5.00	4.83	
92 Styrene	104	7.154	7.154	0.000	95	93668	5.00	4.70	
93 Bromoform	173	7.330	7.330	0.000	87	15059	5.00	4.39	
95 Isopropylbenzene	105	7.413	7.413	0.000	96	153821	5.00	4.92	
97 Bromobenzene	156	7.672	7.672	0.000	99	35216	5.00	4.86	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	87	46151	5.00	4.94	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	189819	5.00	4.99	
100 1,2,3-Trichloropropane	110	7.755	7.755	0.000	85	14917	5.00	5.10	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	69	11401	5.00	4.55	
105 2-Chlorotoluene	126	7.828	7.828	0.000	95	36140	5.00	5.04	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	95	128149	5.00	4.85	
102 4-Chlorotoluene	91	7.911	7.911	0.000	99	129098	5.00	4.92	
106 tert-Butylbenzene	134	8.149	8.149	0.000	91	24691	5.00	4.69	
107 1,2,4-Trimethylbenzene	105	8.190	8.190	0.000	97	135606	5.00	4.99	

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	8.325	8.325	0.000	95	168639	5.00	4.96	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	94	71153	5.00	5.05	
111 4-Isopropyltoluene	119	8.449	8.450	-0.001	97	142126	5.00	4.99	
113 1,4-Dichlorobenzene	146	8.501	8.512	-0.011	82	72087	5.00	4.91	
115 n-Butylbenzene	91	8.781	8.781	0.000	97	130939	5.00	4.94	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	89	66883	5.00	4.84	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	54	7823	5.00	4.77	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	93	42602	5.00	4.90	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	87	21061	5.00	5.18	
121 Naphthalene	128	10.336	10.336	0.000	97	125205	5.00	4.80	
122 1,2,3-Trichlorobenzene	180	10.532	10.533	0.000	93	40194	5.00	4.86	
S 125 Total BTEX	1				0			24.7	
S 126 Xylenes, Total	1				0			9.82	
S 123 1,3-Dichloropropene, Total	1				0			9.21	
S 124 1,2-Dichloroethene, Total	1				0			9.85	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1920.D

Injection Date: 06-Jun-2014 17:14:30

Instrument ID: HP5975T

Lims ID: IC 2

Operator ID: LH/CN

Client ID:

Worklist Smp#: 6

Purge Vol: 5.000 mL

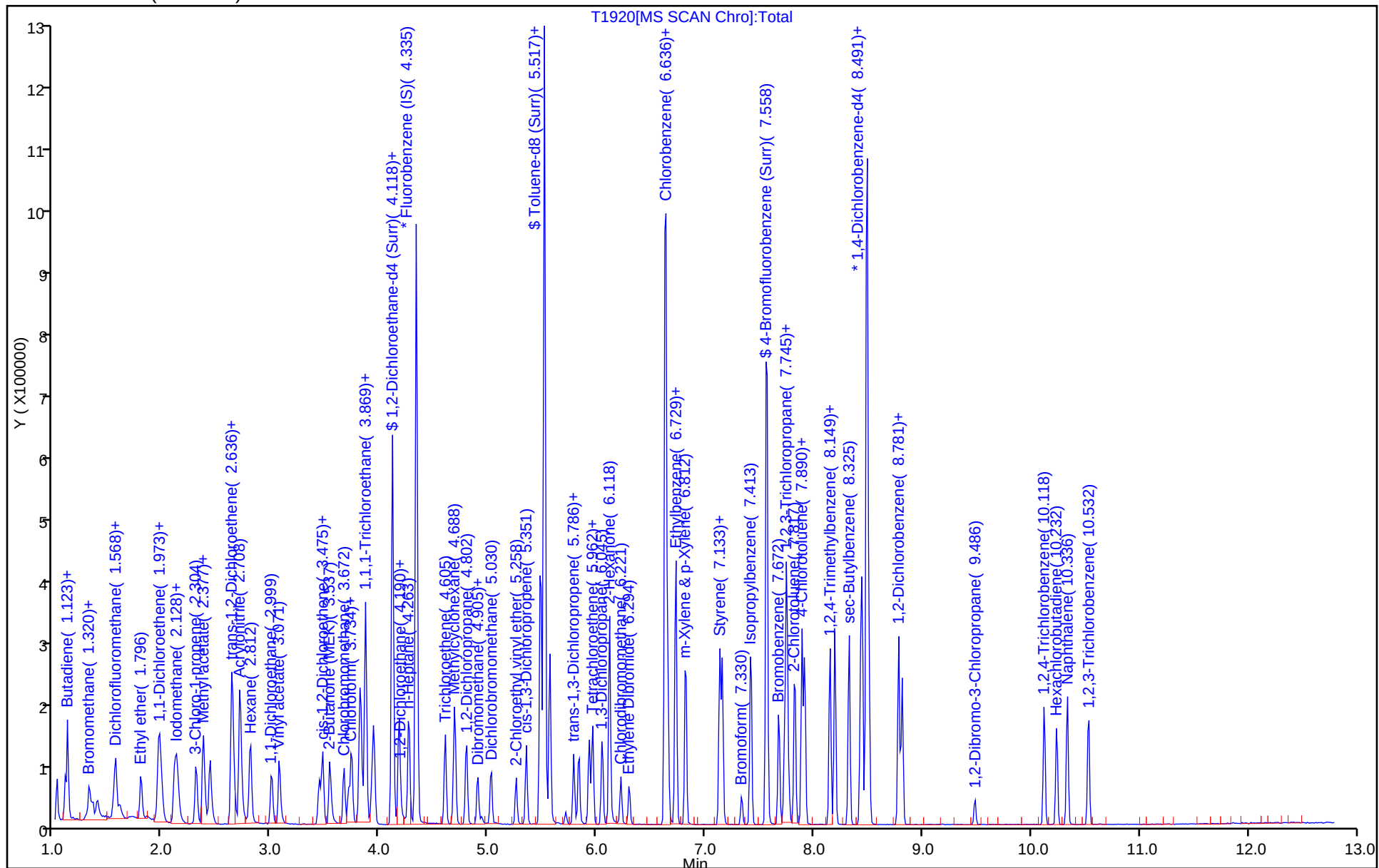
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1920.D

Injection Date: 06-Jun-2014 17:14:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: LH/CN

ALS Bottle#:

21

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

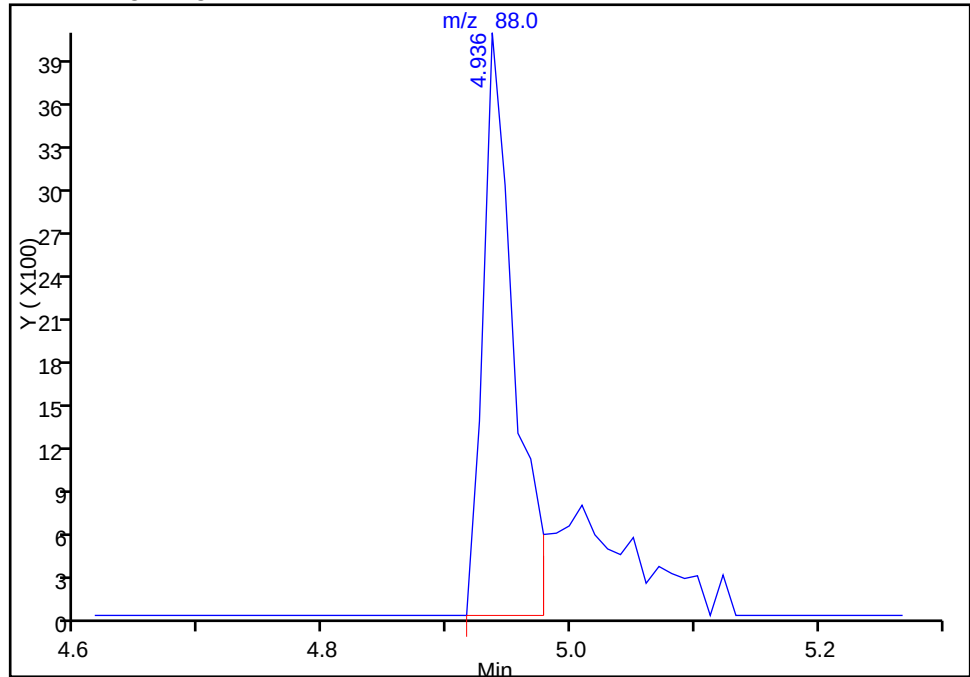
Detector

MS SCAN

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

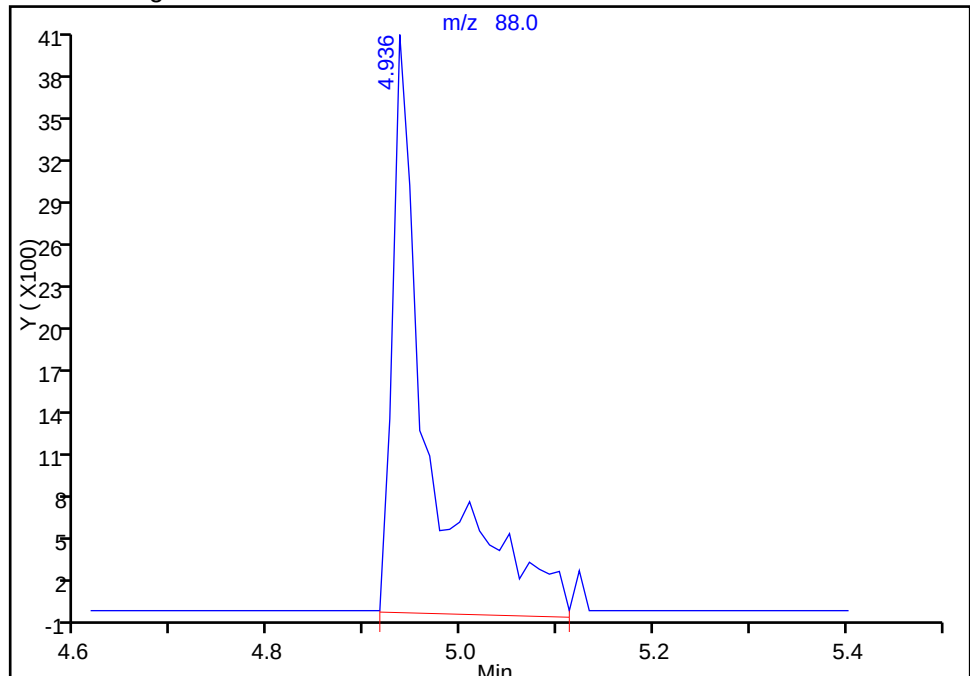
RT: 4.94
Response: 6985
Amount: 102.1566

Processing Integration Results



RT: 4.94
Response: 10628
Amount: 113.8018

Manual Integration Results



Reviewer: HillL, 08-Jun-2014 14:29:38

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1921.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 06-Jun-2014 17:37:30 ALS Bottle#: 22 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0032722-007
 Operator ID: LH/CN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Jun-2014 08:50:07 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: HillL

Date: 08-Jun-2014 14:30:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.336	0.000	98	604093	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	86	439729	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	86	228418	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	152771	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	202357	25.0	24.6	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	92	580789	25.0	24.7	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	89	163725	25.0	25.0	
11 Dichlorodifluoromethane	85	0.905	0.905	0.000	87	94816	10.0	10.6	
13 Chloromethane	50	1.019	1.019	0.000	88	91922	10.0	10.2	
14 Vinyl chloride	62	1.102	1.102	0.000	84	86911	10.0	10.3	
151 Butadiene	54	1.123	1.123	0.000	91	91296	10.0	10.4	
15 Bromomethane	94	1.320	1.320	0.000	92	30718	10.0	10.0	
16 Chloroethane	64	1.393	1.393	0.000	93	40463	10.0	9.45	
17 Trichlorofluoromethane	101	1.558	1.558	0.000	85	93471	10.0	10.5	
18 Dichlorofluoromethane	67	1.558	1.558	0.000	80	88838	10.0	10.1	
19 Ethyl ether	59	1.797	1.797	0.000	95	69141	10.0	9.87	
21 Acrolein	56	1.952	1.952	0.000	99	57427	50.0	48.2	
20 1,1,2-Trichloro-1,2,2-trif	101	1.973	1.973	0.000	79	64937	10.0	10.4	
22 1,1-Dichloroethene	96	1.962	1.962	0.000	86	59616	10.0	9.95	
23 Acetone	43	2.108	2.108	0.000	99	151063	50.0	48.9	
24 Iodomethane	142	2.108	2.108	0.000	99	91012	10.0	10.1	
25 Carbon disulfide	76	2.128	2.128	0.000	100	186554	10.0	9.69	
27 3-Chloro-1-propene	41	2.304	2.304	0.000	85	99550	10.0	9.27	
28 Methyl acetate	43	2.367	2.367	0.000	99	349186	50.0	49.3	
30 Methylene Chloride	84	2.439	2.439	0.000	91	75010	10.0	10.4	
31 2-Methyl-2-propanol	59	2.636	2.636	0.000	50	108315	100.0	98.2	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	93	64244	10.0	9.73	
33 Methyl tert-butyl ether	73	2.636	2.636	0.000	92	212538	10.0	9.70	
34 Acrylonitrile	53	2.709	2.709	0.000	98	324244	100.0	96.0	
35 Hexane	57	2.802	2.802	0.000	94	105259	10.0	9.49	

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	2.999	2.999	0.000	86	122636	10.0	9.58	
39 Vinyl acetate	43	3.071	3.071	0.000	98	266314	20.0	19.3	
42 2,2-Dichloropropane	77	3.444	3.444	0.000	90	69477	10.0	9.85	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	69	72124	10.0	9.84	
44 2-Butanone (MEK)	43	3.538	3.538	0.000	99	226709	50.0	48.7	
47 Chlorobromomethane	128	3.672	3.672	0.000	93	36317	10.0	9.79	
48 Tetrahydrofuran	42	3.703	3.703	0.000	89	60840	20.0	19.6	
50 Chloroform	83	3.735	3.735	0.000	82	119886	10.0	9.67	
52 Cyclohexane	56	3.817	3.817	0.000	94	124192	10.0	9.41	
51 1,1,1-Trichloroethane	97	3.817	3.817	0.000	88	92018	10.0	9.46	
53 Carbon tetrachloride	117	3.931	3.931	0.000	80	76169	10.0	9.46	
54 1,1-Dichloropropene	75	3.942	3.942	0.000	89	85352	10.0	9.75	
55 Benzene	78	4.118	4.118	0.000	97	262773	10.0	9.69	
56 Isobutyl alcohol	43	4.180	4.180	0.000	86	101163	250.0	238.6	
57 1,2-Dichloroethane	62	4.180	4.180	0.000	87	102794	10.0	9.49	
59 n-Heptane	43	4.263	4.263	0.000	93	114622	10.0	10.0	
60 Trichloroethene	95	4.605	4.605	0.000	92	68635	10.0	9.58	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	113949	10.0	9.73	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	89	70354	10.0	9.69	
65 Dibromomethane	93	4.906	4.906	0.000	86	46383	10.0	9.90	
66 1,4-Dioxane	88	4.937	4.937	0.000	92	20541	200.0	216.8	M
67 Dichlorobromomethane	83	5.030	5.030	0.000	90	84365	10.0	9.51	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	93	49341	10.0	9.88	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	86	97878	10.0	9.48	
72 4-Methyl-2-pentanone (MIBK)	43	5.476	5.476	0.000	98	480987	50.0	48.5	
73 Toluene	92	5.569	5.569	0.000	98	164263	10.0	9.85	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	94	85582	10.0	9.51	
77 Ethyl methacrylate	69	5.838	5.838	0.000	89	88437	10.0	9.42	
78 1,1,2-Trichloroethane	83	5.932	5.932	0.000	88	53174	10.0	9.46	
79 Tetrachloroethene	166	5.963	5.963	0.000	88	67034	10.0	9.98	
80 1,3-Dichloropropane	76	6.046	6.046	0.000	95	111672	10.0	9.88	
81 2-Hexanone	43	6.118	6.118	0.000	97	352172	50.0	49.2	
82 Chlorodibromomethane	129	6.222	6.222	0.000	88	56329	10.0	9.01	
83 Ethylene Dibromide	107	6.294	6.294	0.000	97	63912	10.0	9.80	
86 Chlorobenzene	112	6.657	6.657	0.000	94	183120	10.0	9.80	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	39	53813	10.0	9.44	
88 Ethylbenzene	91	6.729	6.729	0.000	99	319914	10.0	9.79	
90 m-Xylene & p-Xylene	106	6.812	6.812	0.000	0	119474	10.0	9.74	
91 o-Xylene	106	7.134	7.134	0.000	98	116395	10.0	9.74	
92 Styrene	104	7.154	7.154	0.000	95	194501	10.0	9.63	
93 Bromoform	173	7.331	7.331	0.000	93	31854	10.0	9.16	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	310002	10.0	9.46	
97 Bromobenzene	156	7.673	7.673	0.000	99	73902	10.0	9.74	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	87	91839	10.0	9.39	
99 N-Propylbenzene	91	7.745	7.745	0.000	98	371063	10.0	9.31	
100 1,2,3-Trichloropropane	110	7.755	7.755	0.000	80	29580	10.0	9.65	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	71	23394	10.0	8.91	
105 2-Chlorotoluene	126	7.828	7.828	0.000	95	70993	10.0	9.46	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	93	259387	10.0	9.37	
102 4-Chlorotoluene	91	7.911	7.911	0.000	99	261786	10.0	9.53	
106 tert-Butylbenzene	134	8.149	8.149	0.000	91	50829	10.0	9.22	
107 1,2,4-Trimethylbenzene	105	8.191	8.191	0.000	98	271716	10.0	9.55	

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	8.325	8.325	0.000	95	340025	10.0	9.55	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	95	142150	10.0	9.63	
111 4-Isopropyltoluene	119	8.450	8.450	0.000	97	281864	10.0	9.44	
113 1,4-Dichlorobenzene	146	8.512	8.512	0.000	94	147141	10.0	9.56	
115 n-Butylbenzene	91	8.781	8.781	0.000	98	266383	10.0	9.59	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	93	137748	10.0	9.51	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	68	14127	10.0	8.22	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	91	89962	10.0	9.87	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	91	41606	10.0	9.76	
121 Naphthalene	128	10.336	10.336	0.000	97	260807	10.0	9.55	
122 1,2,3-Trichlorobenzene	180	10.533	10.533	0.000	91	82707	10.0	9.55	
S 123 1,3-Dichloropropene, Total	1				0			19.0	
S 124 1,2-Dichloroethene, Total	1				0			19.6	
S 125 Total BTEX	1				0			48.8	
S 126 Xylenes, Total	1				0			19.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1921.D

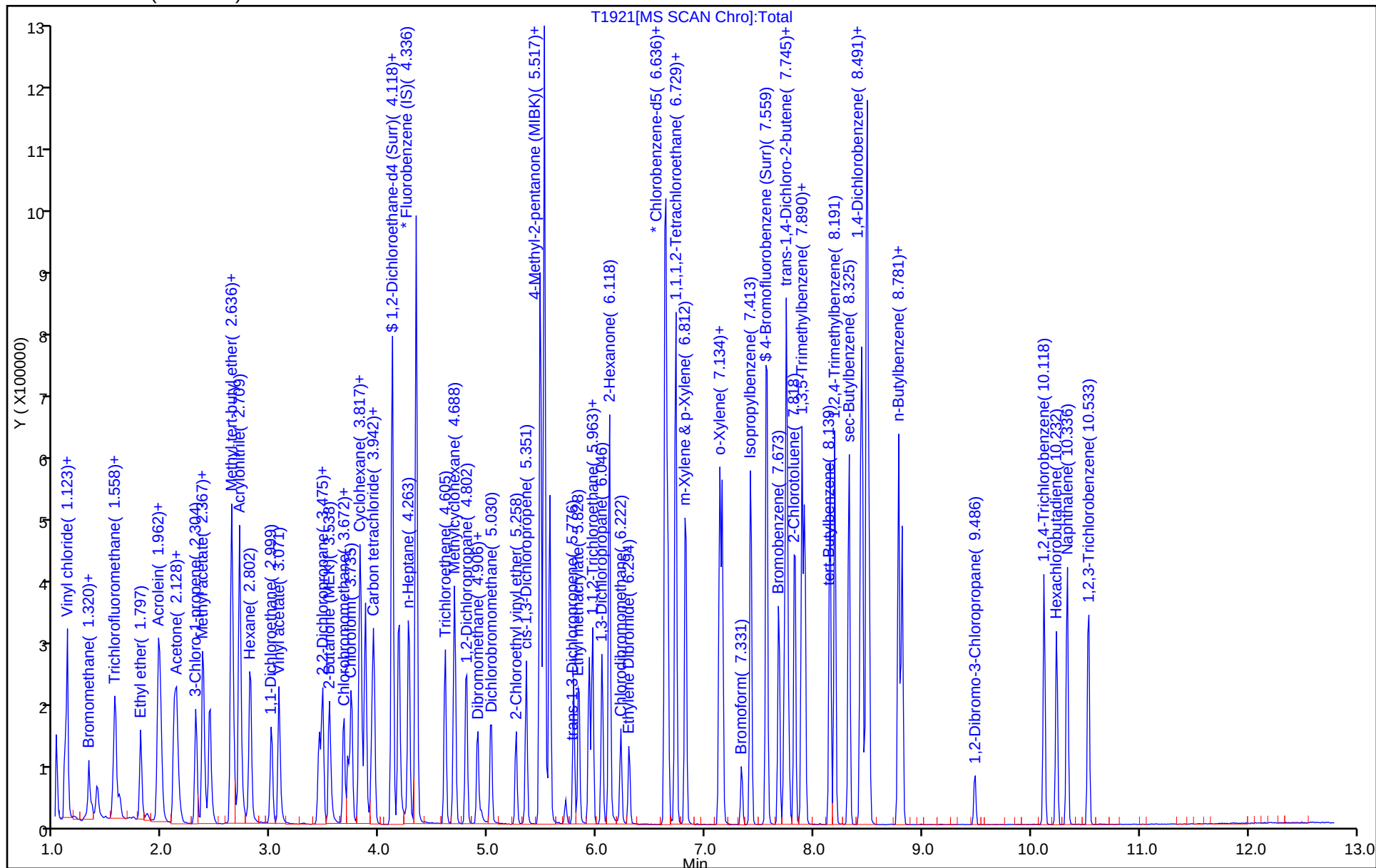
Operator ID: LH/CN

Worklist Smp#: 7

ALS Bottle#: 22

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1921.D

Injection Date: 06-Jun-2014 17:37:30

Instrument ID: HP5975T

Lims ID: IC 3

Client ID:

Operator ID: LH/CN

ALS Bottle#:

22

Worklist Smp#:

7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

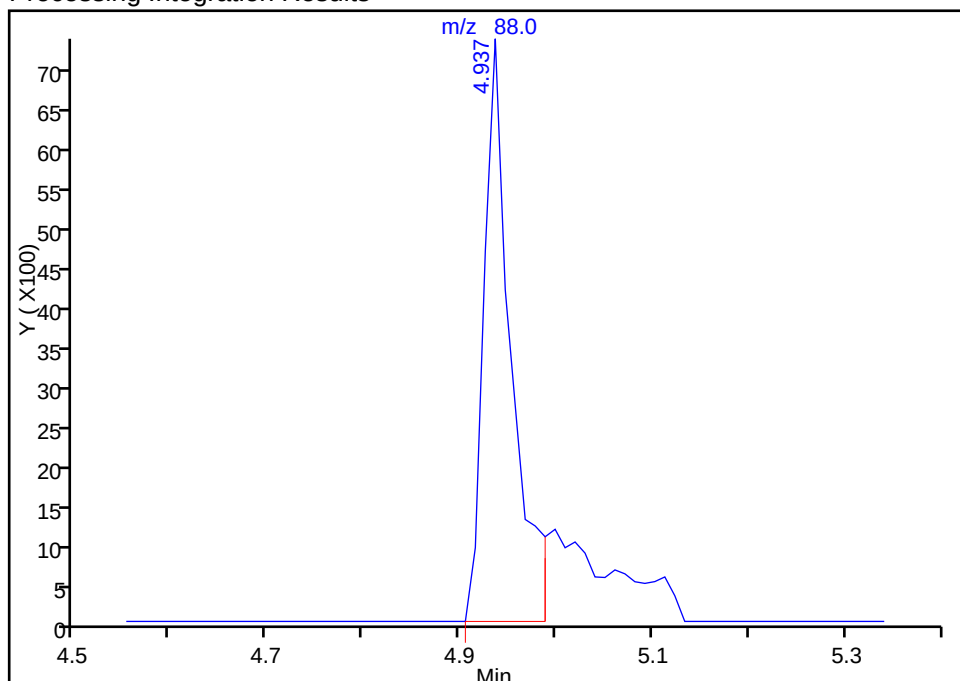
Detector

MS SCAN

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

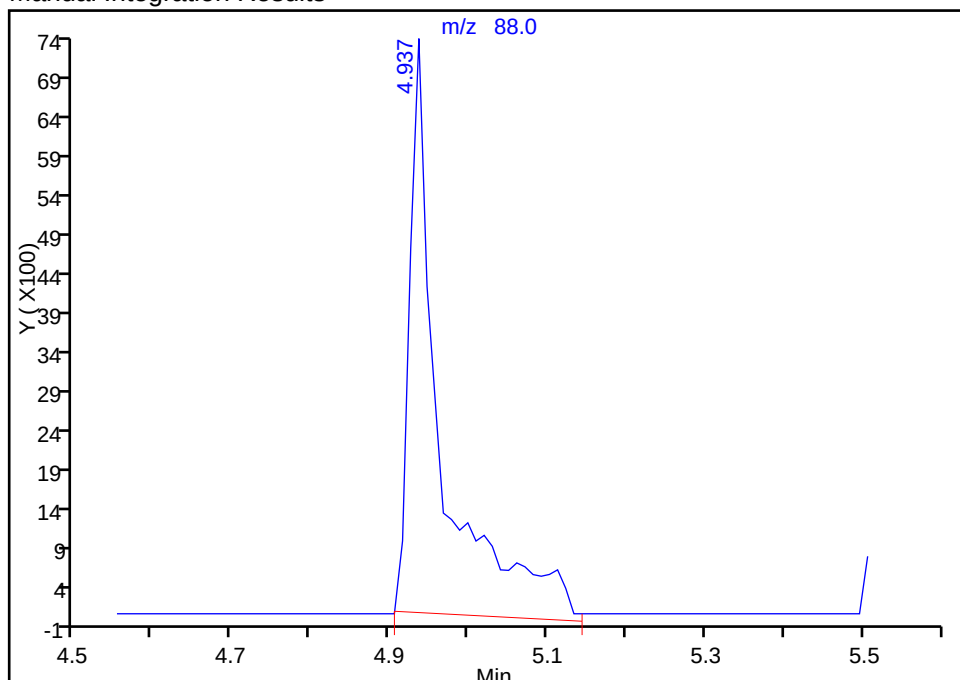
RT: 4.94
Response: 14634
Amount: 188.4633

Processing Integration Results



RT: 4.94
Response: 20541
Amount: 216.7854

Manual Integration Results



Reviewer: HillL, 08-Jun-2014 14:30:38

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1922.D
 Lims ID: ICIS 4
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 06-Jun-2014 18:01:30 ALS Bottle#: 23 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 4
 Misc. Info.: 480-0032722-008
 Operator ID: LH/CN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Jun-2014 14:19:27 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: HillL

Date: 08-Jun-2014 14:31:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.335	0.000	98	616500	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	87	455379	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	68	234283	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	157688	25.0	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	210398	25.0	25.0	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	92	598734	25.0	24.6	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	87	164517	25.0	24.2	
11 Dichlorodifluoromethane	85	0.916	0.916	0.000	87	217139	25.0	23.7	
13 Chloromethane	50	1.030	1.030	0.000	88	218334	25.0	23.7	
14 Vinyl chloride	62	1.102	1.102	0.000	83	205234	25.0	23.8	
151 Butadiene	54	1.123	1.123	0.000	92	211144	25.0	23.6	
15 Bromomethane	94	1.320	1.320	0.000	93	87036	25.0	29.3	
16 Chloroethane	64	1.403	1.403	0.000	94	109718	25.0	25.1	
17 Trichlorofluoromethane	101	1.568	1.568	0.000	67	233082	25.0	25.6	
18 Dichlorofluoromethane	67	1.568	1.568	0.000	80	226523	25.0	25.3	
19 Ethyl ether	59	1.796	1.796	0.000	95	163338	25.0	22.8	
21 Acrolein	56	1.962	1.962	0.000	93	140537	125.0	115.6	
22 1,1-Dichloroethene	96	1.973	1.973	0.000	86	140703	25.0	23.0	
20 1,1,2-Trichloro-1,2,2-trif	101	1.973	1.973	0.000	82	151078	25.0	23.6	
23 Acetone	43	2.107	2.107	0.000	98	366057	125.0	116.2	
24 Iodomethane	142	2.107	2.107	0.000	97	229695	25.0	25.1	
25 Carbon disulfide	76	2.128	2.128	0.000	100	463167	25.0	23.6	
27 3-Chloro-1-propene	41	2.304	2.304	0.000	85	254209	25.0	23.2	
28 Methyl acetate	43	2.377	2.377	0.000	97	854871	125.0	118.4	
30 Methylene Chloride	84	2.439	2.439	0.000	91	170343	25.0	24.6	
33 Methyl tert-butyl ether	73	2.636	2.636	0.000	92	522187	25.0	23.4	
31 2-Methyl-2-propanol	59	2.636	2.636	0.000	51	264930	250.0	235.4	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	92	159729	25.0	23.7	
34 Acrylonitrile	53	2.708	2.708	0.000	99	808001	250.0	234.5	
35 Hexane	57	2.812	2.812	0.000	94	256042	25.0	22.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.009	3.009	0.000	86	300226	25.0	23.0	
39 Vinyl acetate	43	3.071	3.071	0.000	98	668355	50.0	47.3	
42 2,2-Dichloropropane	77	3.444	3.444	0.000	91	171081	25.0	23.8	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	70	172534	25.0	23.1	
44 2-Butanone (MEK)	43	3.537	3.537	0.000	100	555761	125.0	116.9	
47 Chlorobromomethane	128	3.672	3.672	0.000	94	88561	25.0	23.4	
48 Tetrahydrofuran	42	3.703	3.703	0.000	87	145810	50.0	46.1	
50 Chloroform	83	3.745	3.745	0.000	81	294751	25.0	23.3	
52 Cyclohexane	56	3.817	3.817	0.000	93	309293	25.0	23.0	
51 1,1,1-Trichloroethane	97	3.828	3.828	0.000	91	235379	25.0	23.7	
53 Carbon tetrachloride	117	3.931	3.931	0.000	83	190371	25.0	23.2	
54 1,1-Dichloropropene	75	3.952	3.952	0.000	90	210418	25.0	23.6	
55 Benzene	78	4.118	4.118	0.000	96	644216	25.0	23.3	
56 Isobutyl alcohol	43	4.170	4.170	0.000	89	270097	625.0	624.1	
57 1,2-Dichloroethane	62	4.180	4.180	0.000	90	257063	25.0	23.3	
59 n-Heptane	43	4.273	4.273	0.000	92	271133	25.0	24.1	
60 Trichloroethene	95	4.605	4.605	0.000	93	173043	25.0	23.7	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	278952	25.0	23.3	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	89	174823	25.0	23.6	
65 Dibromomethane	93	4.905	4.905	0.000	90	112353	25.0	23.5	
66 1,4-Dioxane	88	4.936	4.936	0.000	97	48364	500.0	492.9	
67 Dichlorobromomethane	83	5.030	5.030	0.000	92	211547	25.0	23.4	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	92	121721	25.0	23.9	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	87	251585	25.0	23.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.475	5.475	0.000	98	1225875	125.0	119.3	
73 Toluene	92	5.569	5.569	0.000	97	403554	25.0	23.4	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	94	220349	25.0	23.7	
77 Ethyl methacrylate	69	5.838	5.838	0.000	90	237523	25.0	24.4	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	89	134615	25.0	23.1	
79 Tetrachloroethene	166	5.962	5.962	0.000	83	162091	25.0	23.3	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	95	269673	25.0	23.0	
81 2-Hexanone	43	6.118	6.118	0.000	97	890202	125.0	120.1	
82 Chlorodibromomethane	129	6.221	6.221	0.000	88	149255	25.0	23.1	
83 Ethylene Dibromide	107	6.294	6.294	0.000	97	160714	25.0	23.8	
86 Chlorobenzene	112	6.657	6.657	0.000	93	448051	25.0	23.2	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	40	138838	25.0	23.5	
88 Ethylbenzene	91	6.729	6.729	0.000	99	775315	25.0	22.9	
90 m-Xylene & p-Xylene	106	6.823	6.823	0.000	0	298835	25.0	23.5	
91 o-Xylene	106	7.133	7.133	0.000	98	288705	25.0	23.3	
92 Styrene	104	7.154	7.154	0.000	95	499248	25.0	23.9	
93 Bromoform	173	7.330	7.330	0.000	93	85049	25.0	23.6	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	785077	25.0	23.4	
97 Bromobenzene	156	7.672	7.672	0.000	98	179336	25.0	23.0	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	83	235222	25.0	23.4	
99 N-Propylbenzene	91	7.745	7.745	0.000	98	947783	25.0	23.2	
100 1,2,3-Trichloropropane	110	7.755	7.755	0.000	81	75438	25.0	24.0	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	76	68041	25.0	25.3	
105 2-Chlorotoluene	126	7.828	7.828	0.000	95	181490	25.0	23.6	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	93	664064	25.0	23.4	
102 4-Chlorotoluene	91	7.911	7.911	0.000	99	663370	25.0	23.5	
106 tert-Butylbenzene	134	8.149	8.149	0.000	93	132604	25.0	23.4	
107 1,2,4-Trimethylbenzene	105	8.190	8.190	0.000	98	687052	25.0	23.5	

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	8.325	8.325	0.000	95	850174	25.0	23.3	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	96	356987	25.0	23.6	
111 4-Isopropyltoluene	119	8.450	8.450	0.000	97	729944	25.0	23.8	
113 1,4-Dichlorobenzene	146	8.512	8.512	0.000	93	360153	25.0	22.8	
115 n-Butylbenzene	91	8.781	8.781	0.000	98	684987	25.0	24.0	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	94	348474	25.0	23.5	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	76	40246	25.0	22.8	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	92	221360	25.0	23.7	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	91	100845	25.0	23.1	
121 Naphthalene	128	10.336	10.336	0.000	97	689316	25.0	24.6	
122 1,2,3-Trichlorobenzene	180	10.533	10.533	0.000	93	213426	25.0	24.0	
S 123 1,3-Dichloropropene, Total	1				0			47.5	
S 124 1,2-Dichloroethene, Total	1				0			46.8	
S 125 Total BTEX	1				0			116.4	
S 126 Xylenes, Total	1				0			46.8	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1922.D

Injection Date: 06-Jun-2014 18:01:30

Instrument ID: HP5975T

Lims ID: ICIS 4

Operator ID: LH/CN

Client ID:

Worklist Smp#: 8

Purge Vol: 5.000 mL

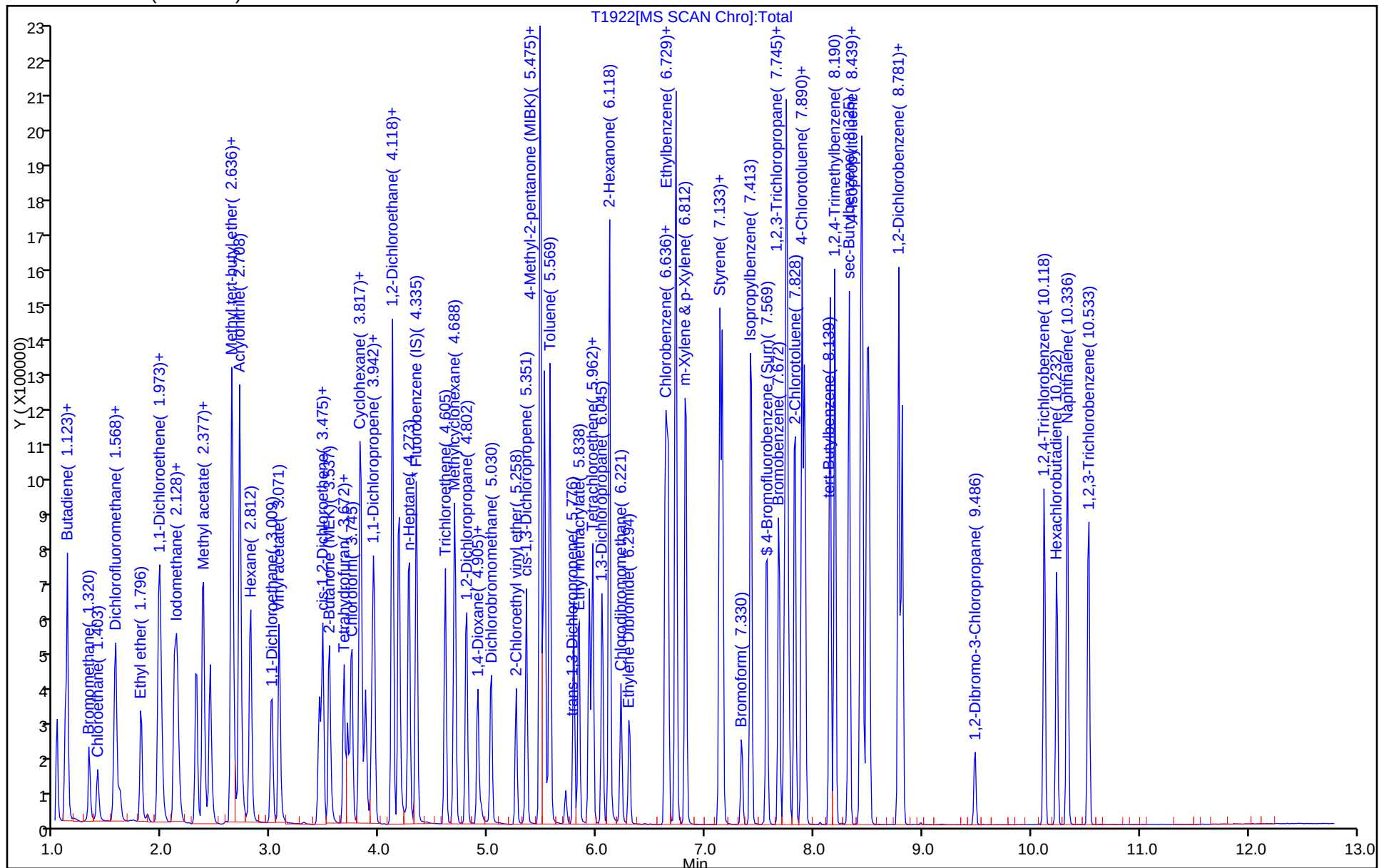
Dil. Factor: 1.0000

ALS Bottle#: 23

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1923.D
 Lims ID: IC 5
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 06-Jun-2014 18:25:30 ALS Bottle#: 24 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 5
 Misc. Info.: 480-0032722-009
 Operator ID: LH/CN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Jun-2014 08:51:03 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: HillL

Date: 08-Jun-2014 14:32:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.335	0.000	98	634538	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	86	465336	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	93	240330	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	165749	25.0	25.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	218404	25.0	25.3	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	89	629923	25.0	25.3	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	88	176847	25.0	25.5	
11 Dichlorodifluoromethane	85	0.916	0.916	0.000	88	441866	50.0	46.9	
13 Chloromethane	50	1.030	1.030	0.000	88	435736	50.0	46.0	
14 Vinyl chloride	62	1.102	1.102	0.000	83	411236	50.0	46.3	
151 Butadiene	54	1.123	1.123	0.000	90	427637	50.0	46.5	
15 Bromomethane	94	1.320	1.320	0.000	92	150858	50.0	49.9	
16 Chloroethane	64	1.403	1.403	0.000	94	205845	50.0	45.7	
17 Trichlorofluoromethane	101	1.568	1.568	0.000	70	465748	50.0	49.7	
18 Dichlorofluoromethane	67	1.568	1.568	0.000	80	415455	50.0	45.1	
19 Ethyl ether	59	1.796	1.796	0.000	95	333497	50.0	45.3	
21 Acrolein	56	1.952	1.962	-0.010	97	284451	250.0	227.3	
22 1,1-Dichloroethene	96	1.973	1.973	0.000	86	292209	50.0	46.4	
20 1,1,2-Trichloro-1,2,2-trif	101	1.983	1.973	0.010	83	313292	50.0	47.5	
23 Acetone	43	2.107	2.107	0.000	99	746506	250.0	230.3	
24 Iodomethane	142	2.107	2.107	0.000	71	459748	50.0	48.8	
25 Carbon disulfide	76	2.128	2.128	0.000	100	949306	50.0	47.0	
27 3-Chloro-1-propene	41	2.304	2.304	0.000	85	518305	50.0	46.0	
28 Methyl acetate	43	2.366	2.377	-0.011	97	1761661	250.0	237.0	
30 Methylene Chloride	84	2.439	2.439	0.000	91	348309	50.0	50.0	
31 2-Methyl-2-propanol	59	2.636	2.636	0.000	51	597733	500.0	515.9	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	66	329163	50.0	47.4	
33 Methyl tert-butyl ether	73	2.636	2.636	0.000	92	1077938	50.0	46.8	
34 Acrylonitrile	53	2.708	2.708	0.000	98	1677729	500.0	473.0	
35 Hexane	57	2.812	2.812	0.000	93	539029	50.0	46.3	

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	2.999	3.009	-0.010	86	637247	50.0	47.4	
39 Vinyl acetate	43	3.071	3.071	0.000	97	1461629	100.0	100.6	
42 2,2-Dichloropropane	77	3.444	3.444	0.000	92	354026	50.0	47.8	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	69	356309	50.0	46.3	
44 2-Butanone (MEK)	43	3.527	3.537	-0.010	99	1179225	250.0	241.0	
47 Chlorobromomethane	128	3.672	3.672	0.000	94	186235	50.0	47.8	
48 Tetrahydrofuran	42	3.703	3.703	0.000	87	300248	100.0	92.1	
50 Chloroform	83	3.745	3.745	0.000	81	610106	50.0	46.9	
52 Cyclohexane	56	3.817	3.817	0.000	93	657837	50.0	47.4	
51 1,1,1-Trichloroethane	97	3.828	3.828	0.000	91	500840	50.0	49.0	
53 Carbon tetrachloride	117	3.931	3.931	0.000	89	423420	50.0	50.1	
54 1,1-Dichloropropene	75	3.952	3.952	0.000	92	441791	50.0	48.1	
55 Benzene	78	4.118	4.118	0.000	98	1327704	50.0	46.6	
57 1,2-Dichloroethane	62	4.180	4.180	0.000	91	539874	50.0	47.4	
56 Isobutyl alcohol	43	4.170	4.170	0.000	92	617582	1250.0	1386.5	
59 n-Heptane	43	4.263	4.273	-0.010	93	594391	50.0	52.0	
60 Trichloroethene	95	4.605	4.605	0.000	93	357861	50.0	47.5	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	593461	50.0	48.2	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	90	364733	50.0	47.8	
65 Dibromomethane	93	4.905	4.905	0.000	92	234328	50.0	47.6	
66 1,4-Dioxane	88	4.926	4.936	-0.010	97	100038	1000.0	997.7	
67 Dichlorobromomethane	83	5.030	5.030	0.000	92	459977	50.0	49.4	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	93	259372	50.0	49.5	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	88	536414	50.0	49.5	
72 4-Methyl-2-pentanone (MIBK)	43	5.475	5.475	0.000	98	2535273	250.0	241.4	
73 Toluene	92	5.569	5.569	0.000	98	846061	50.0	47.9	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	94	484511	50.0	50.9	
77 Ethyl methacrylate	69	5.828	5.838	-0.010	90	506912	50.0	51.0	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	89	280981	50.0	47.2	
79 Tetrachloroethene	166	5.962	5.962	0.000	87	336874	50.0	47.4	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	95	566281	50.0	47.4	
81 2-Hexanone	43	6.118	6.118	0.000	98	1886817	250.0	249.1	
82 Chlorodibromomethane	129	6.221	6.221	0.000	87	339396	50.0	51.3	
83 Ethylene Dibromide	107	6.294	6.294	0.000	97	341979	50.0	49.6	
86 Chlorobenzene	112	6.657	6.657	0.000	94	933746	50.0	47.2	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	40	299230	50.0	49.6	
88 Ethylbenzene	91	6.729	6.729	0.000	99	1626874	50.0	47.0	
90 m-Xylene & p-Xylene	106	6.823	6.823	-0.001	0	625519	50.0	48.2	
91 o-Xylene	106	7.133	7.133	0.000	98	605495	50.0	47.9	
92 Styrene	104	7.154	7.154	0.000	95	1061161	50.0	49.6	
93 Bromoform	173	7.330	7.330	0.000	94	195391	50.0	53.1	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	1635117	50.0	47.4	
97 Bromobenzene	156	7.672	7.672	0.000	99	374137	50.0	46.9	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	85	496849	50.0	48.3	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	1993319	50.0	47.5	
100 1,2,3-Trichloropropane	110	7.755	7.755	0.000	81	156442	50.0	48.5	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	78	154206	50.0	55.8	
105 2-Chlorotoluene	126	7.828	7.828	0.000	96	375718	50.0	47.6	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	93	1373947	50.0	47.2	
102 4-Chlorotoluene	91	7.911	7.911	0.000	99	1373486	50.0	47.5	
106 tert-Butylbenzene	134	8.149	8.149	0.000	93	270869	50.0	46.7	
107 1,2,4-Trimethylbenzene	105	8.190	8.190	0.000	97	1423779	50.0	47.6	

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	8.325	8.325	0.000	95	1751855	50.0	46.8	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	95	728126	50.0	46.9	
111 4-Isopropyltoluene	119	8.449	8.450	-0.001	97	1496847	50.0	47.7	
113 1,4-Dichlorobenzene	146	8.501	8.512	-0.011	89	755375	50.0	46.6	
115 n-Butylbenzene	91	8.781	8.781	0.000	98	1412420	50.0	48.3	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	93	712442	50.0	46.7	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	76	92134	50.0	51.0	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	92	455927	50.0	47.5	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	92	208074	50.0	46.4	
121 Naphthalene	128	10.336	10.336	0.000	97	1450221	50.0	50.5	
122 1,2,3-Trichlorobenzene	180	10.532	10.533	0.000	94	433036	50.0	47.5	
S 123 1,3-Dichloropropene, Total	1				0			100.4	
S 124 1,2-Dichloroethene, Total	1				0			93.7	
S 125 Total BTEX	1				0			237.6	
S 126 Xylenes, Total	1				0			96.0	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1923.D

Injection Date: 06-Jun-2014 18:25:30

Instrument ID: HP5975T

Lims ID: IC 5

Operator ID: LH/CN

Client ID:

Worklist Smp#: 9

Purge Vol: 5.000 mL

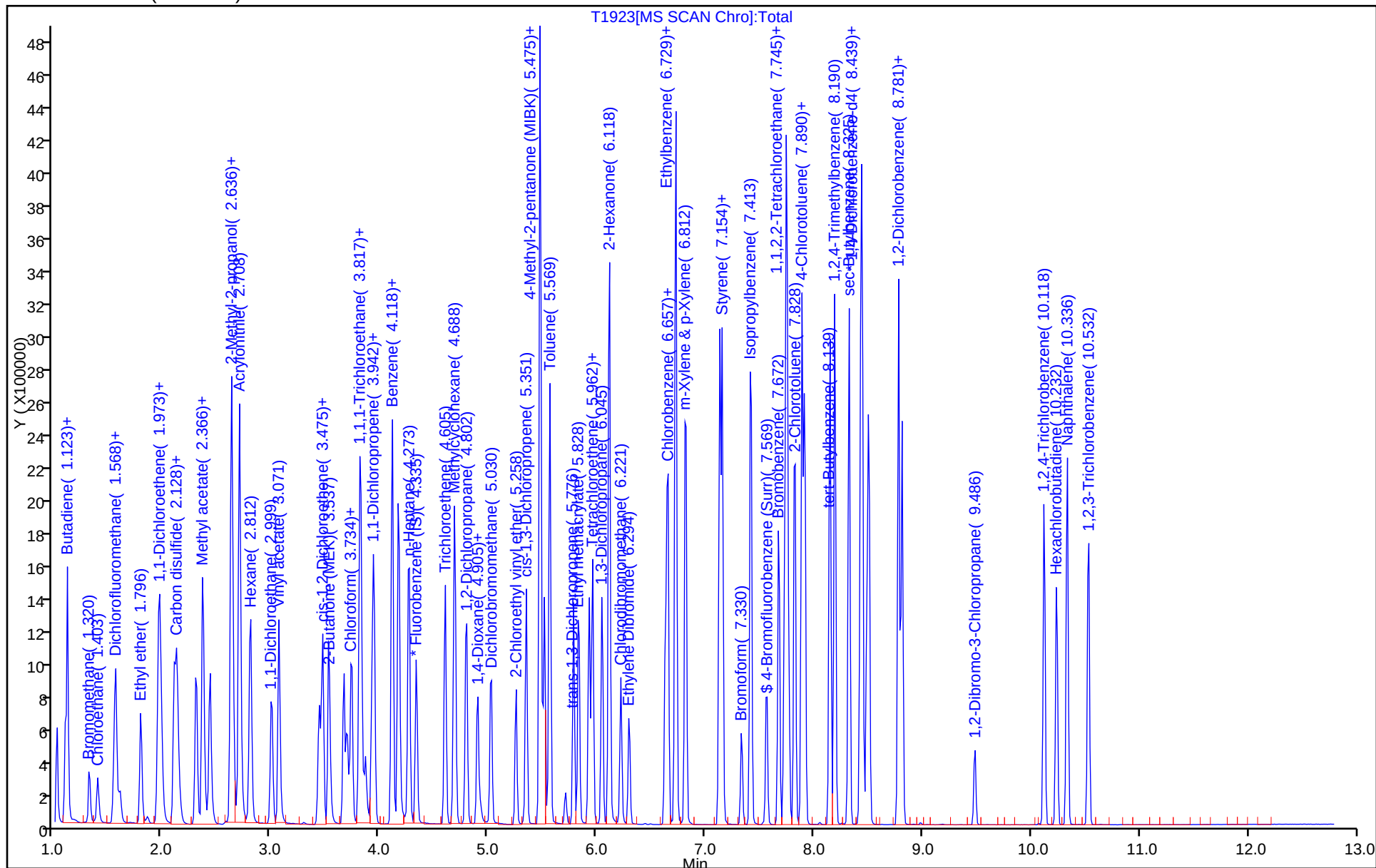
Dil. Factor: 1.0000

ALS Bottle#: 24

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1924.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 06-Jun-2014 18:49:30 ALS Bottle#: 25 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0032722-010
 Operator ID: LH/CN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Jun-2014 08:51:27 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: HillL

Date: 08-Jun-2014 14:33:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.335	0.001	98	650341	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	85	483102	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	91	237972	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	81	171652	25.0	25.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	223984	25.0	25.3	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	92	647427	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	88	183333	25.0	25.5	
11 Dichlorodifluoromethane	85	0.916	0.916	0.000	88	894977	100.0	92.7	
13 Chloromethane	50	1.030	1.030	0.000	88	915048	100.0	94.3	
14 Vinyl chloride	62	1.102	1.102	0.000	83	827663	100.0	90.9	
151 Butadiene	54	1.123	1.123	0.000	91	855191	100.0	90.6	
15 Bromomethane	94	1.330	1.320	0.010	93	294169	100.0	95.8	
16 Chloroethane	64	1.403	1.403	0.000	94	410630	100.0	89.0	
17 Trichlorofluoromethane	101	1.569	1.568	0.001	73	960184	100.0	99.9	
18 Dichlorofluoromethane	67	1.569	1.568	0.001	79	795518	100.0	84.3	
19 Ethyl ether	59	1.797	1.796	0.001	95	676640	100.0	89.7	
21 Acrolein	56	1.962	1.962	0.000	98	584166	500.0	455.5	
20 1,1,2-Trichloro-1,2,2-trif	101	1.983	1.973	0.010	82	633718	100.0	93.8	
22 1,1-Dichloroethene	96	1.973	1.973	0.000	86	606713	100.0	94.0	
24 Iodomethane	142	2.107	2.107	0.000	59	916681	100.0	94.9	
23 Acetone	43	2.107	2.107	0.000	99	1527358	500.0	459.7	
25 Carbon disulfide	76	2.139	2.128	0.011	100	1975864	100.0	95.4	
27 3-Chloro-1-propene	41	2.315	2.304	0.011	86	1108381	100.0	95.9	
28 Methyl acetate	43	2.367	2.377	-0.010	97	3654832	500.0	479.7	
30 Methylene Chloride	84	2.439	2.439	0.000	92	706505	100.0	100.0	
31 2-Methyl-2-propanol	59	2.626	2.636	-0.010	88	1325328	1000.0	1116.1	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	67	693460	100.0	97.5	
33 Methyl tert-butyl ether	73	2.636	2.636	0.000	93	2236757	100.0	94.9	
34 Acrylonitrile	53	2.709	2.708	0.001	99	3537919	1000.0	973.2	
35 Hexane	57	2.812	2.812	0.000	93	1104198	100.0	92.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.009	3.009	0.000	86	1306195	100.0	94.8	
39 Vinyl acetate	43	3.071	3.071	0.000	97	3141666	200.0	211.0	
42 2,2-Dichloropropane	77	3.444	3.444	0.000	91	696889	100.0	91.7	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	70	750354	100.0	95.1	
44 2-Butanone (MEK)	43	3.527	3.537	-0.010	99	2456375	500.0	489.8	
47 Chlorobromomethane	128	3.672	3.672	0.000	94	384736	100.0	96.4	
48 Tetrahydrofuran	42	3.693	3.703	-0.010	88	626961	200.0	187.7	
50 Chloroform	83	3.745	3.745	0.000	82	1263355	100.0	94.7	
52 Cyclohexane	56	3.817	3.817	0.000	92	1338272	100.0	94.2	
51 1,1,1-Trichloroethane	97	3.828	3.828	0.000	91	1031182	100.0	98.4	
53 Carbon tetrachloride	117	3.931	3.931	0.000	80	899831	100.0	103.9	
54 1,1-Dichloropropene	75	3.952	3.952	0.000	93	928423	100.0	98.6	
55 Benzene	78	4.118	4.118	0.000	98	2730178	100.0	93.5	
56 Isobutyl alcohol	43	4.170	4.170	0.000	92	1364114	2500.0	2988.1	
57 1,2-Dichloroethane	62	4.180	4.180	0.000	91	1114675	100.0	95.6	
59 n-Heptane	43	4.273	4.273	0.000	92	1151940	100.0	98.9	
60 Trichloroethene	95	4.605	4.605	0.000	93	733526	100.0	95.1	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	1210664	100.0	96.0	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	90	753657	100.0	96.5	
65 Dibromomethane	93	4.906	4.905	0.001	92	483335	100.0	95.8	
66 1,4-Dioxane	88	4.926	4.936	-0.010	98	210634	2000.0	2023.4	M
67 Dichlorobromomethane	83	5.030	5.030	0.000	92	982968	100.0	103.0	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	92	554987	100.0	103.2	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	89	1147054	100.0	103.2	
72 4-Methyl-2-pentanone (MIBK)	43	5.475	5.475	0.000	98	5254949	500.0	481.9	
73 Toluene	92	5.569	5.569	0.000	98	1739239	100.0	94.9	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	95	1038310	100.0	105.1	
77 Ethyl methacrylate	69	5.828	5.838	-0.010	90	1070542	100.0	103.8	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	89	584474	100.0	94.6	
79 Tetrachloroethene	166	5.963	5.962	0.001	84	687670	100.0	93.2	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	95	1175164	100.0	94.7	
81 2-Hexanone	43	6.118	6.118	0.000	97	3891772	500.0	494.8	
82 Chlorodibromomethane	129	6.222	6.221	0.001	89	733568	100.0	106.8	
83 Ethylene Dibromide	107	6.294	6.294	0.000	98	710981	100.0	99.2	
86 Chlorobenzene	112	6.657	6.657	0.000	94	1914002	100.0	93.2	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	40	642877	100.0	102.7	
88 Ethylbenzene	91	6.729	6.729	0.000	99	3358325	100.0	93.5	
90 m-Xylene & p-Xylene	106	6.823	6.823	0.000	0	1271234	100.0	94.3	
91 o-Xylene	106	7.134	7.133	0.001	98	1228259	100.0	93.5	
92 Styrene	104	7.154	7.154	0.000	95	2205125	100.0	99.3	
93 Bromoform	173	7.330	7.330	0.000	93	443149	100.0	116.0	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	3311632	100.0	97.0	
97 Bromobenzene	156	7.672	7.672	0.000	99	761221	100.0	96.3	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	80	1011624	100.0	99.2	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	4022868	100.0	96.9	
100 1,2,3-Trichloropropane	110	7.755	7.755	0.000	81	315698	100.0	98.8	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	93	340668	100.0	124.6	
105 2-Chlorotoluene	126	7.828	7.828	0.000	96	752185	100.0	96.2	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	93	2817446	100.0	97.7	
102 4-Chlorotoluene	91	7.911	7.911	0.000	99	2765830	100.0	96.6	
106 tert-Butylbenzene	134	8.149	8.149	0.000	92	550163	100.0	95.7	
107 1,2,4-Trimethylbenzene	105	8.191	8.190	0.001	97	2868157	100.0	96.7	

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	8.325	8.325	0.000	95	3564878	100.0	96.1	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	95	1470039	100.0	95.6	
111 4-Isopropyltoluene	119	8.450	8.450	0.000	97	3025016	100.0	97.3	
113 1,4-Dichlorobenzene	146	8.512	8.512	0.000	93	1503569	100.0	93.7	
115 n-Butylbenzene	91	8.781	8.781	0.000	98	2816226	100.0	97.3	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	93	1430604	100.0	94.8	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	80	195312	100.0	109.1	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	89	892520	100.0	94.0	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	93	403224	100.0	90.8	
121 Naphthalene	128	10.336	10.336	0.000	97	2813865	100.0	98.9	
122 1,2,3-Trichlorobenzene	180	10.533	10.533	0.001	93	827310	100.0	91.7	
S 125 Total BTEX	1				0			469.8	
S 126 Xylenes, Total	1				0			187.8	
S 123 1,3-Dichloropropene, Total	1				0			208.3	
S 124 1,2-Dichloroethene, Total	1				0			192.6	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1924.D

Injection Date: 06-Jun-2014 18:49:30

Instrument ID: HP5975T

Lims ID: IC 6

Operator ID: LH/CN

Client ID:

Worklist Smp#: 10

Purge Vol: 5.000 mL

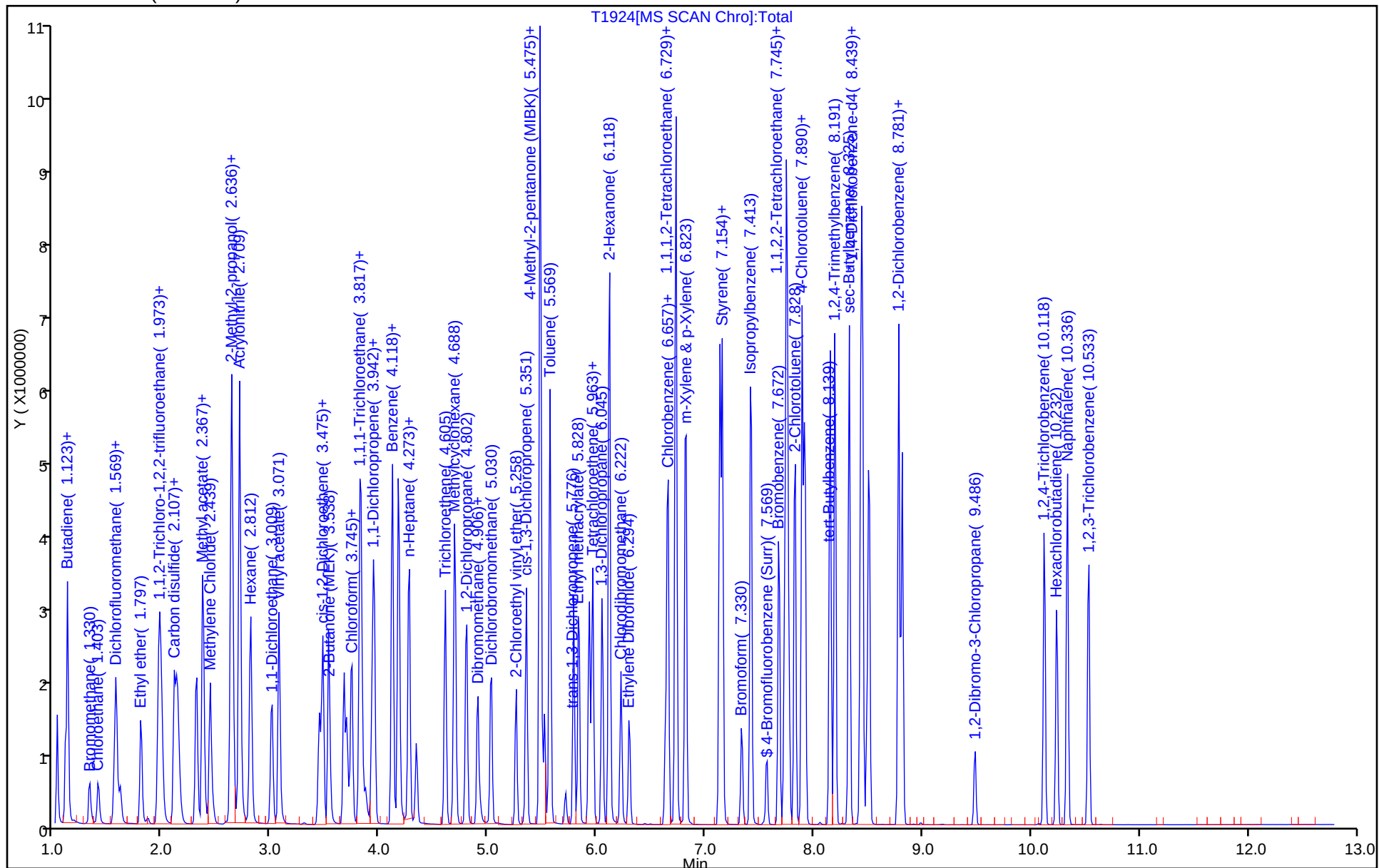
Dil. Factor: 1.0000

ALS Bottle#: 25

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1924.D

Injection Date: 06-Jun-2014 18:49:30

Instrument ID: HP5975T

Lims ID: IC 6

Client ID:

Operator ID: LH/CN

ALS Bottle#:

25

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

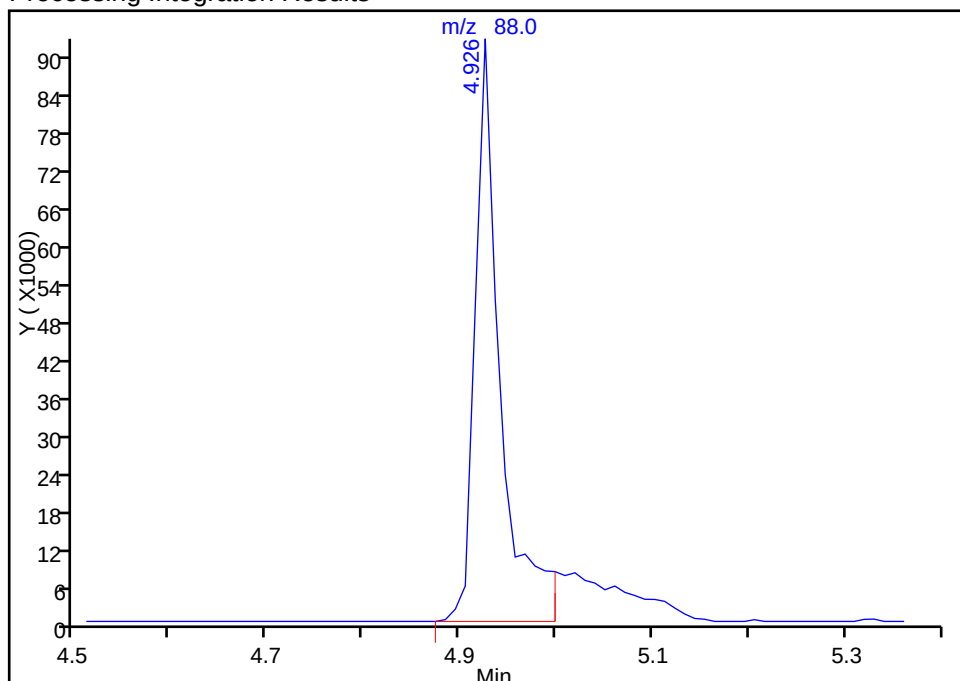
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

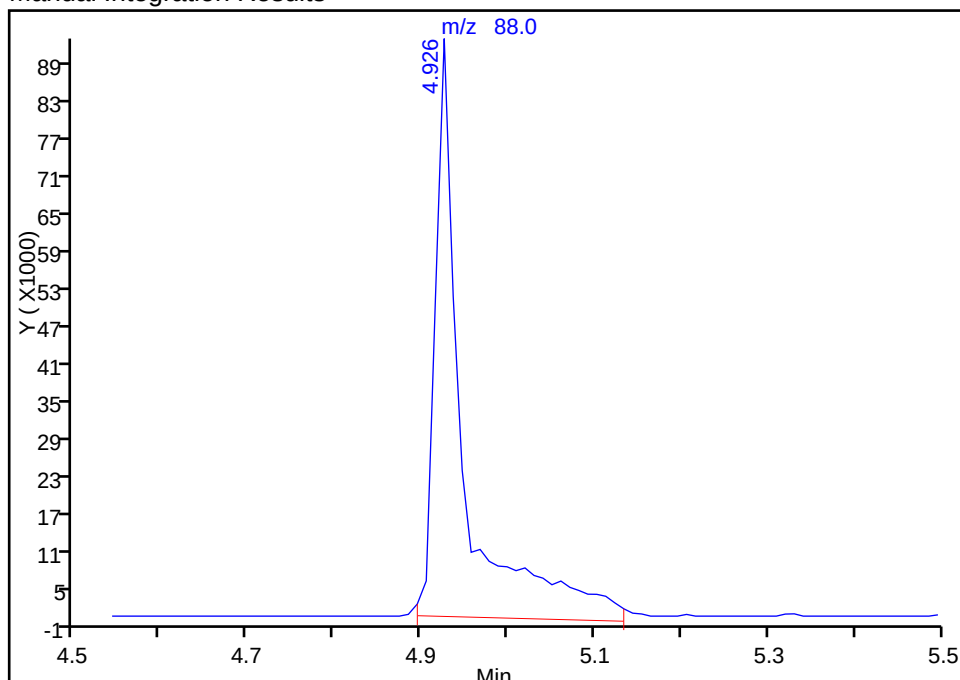
RT: 4.93
Response: 167758
Amount: 1668.8068

Processing Integration Results



RT: 4.93
Response: 210634
Amount: 2023.4063

Manual Integration Results



Reviewer: HillL, 08-Jun-2014 14:33:53

Audit Action: Manually Integrated

Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Lab Sample ID: ICV 480-186217/24 Calibration Date: 06/07/2014 00:25

Instrument ID: HP5975T Calib Start Date: 06/06/2014 16:26

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/06/2014 18:49

Lab File ID: T1938.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3713	0.3205	0.1000	21.6	25.0	-13.7	30.0
Chloromethane	Ave	0.3729	0.3110	0.1000	20.9	25.0	-16.6	30.0
Vinyl chloride	Ave	0.3501	0.2940	0.1000	21.0	25.0	-16.0	30.0
Butadiene	Ave	0.3627	0.3205		22.1	25.0	-11.6	30.0
Bromomethane	Linl		0.0893*	0.1000	18.2	25.0	-27.1	30.0
Chloroethane	Ave	0.1773	0.1195	0.1000	16.9	25.0	-32.6*	30.0
Trichlorofluoromethane	Ave	0.3694	0.3175	0.1000	21.5	25.0	-14.1	30.0
Dichlorofluoromethane	Ave	0.3629	0.2628		18.1	25.0	-27.6	30.0
Ethyl ether	Ave	0.2899	0.2726		23.5	25.0	-6.0	30.0
Acrolein	Ave	0.0493	0.0281		71.2	125	-43.1*	30.0
1,1-Dichloroethene	Ave	0.2481	0.2290	0.1000	23.1	25.0	-7.7	30.0
1,1,2-Trichlorotrifluoroethane	Ave	0.2596	0.2405	0.1000	23.2	25.0	-7.4	30.0
Acetone	Ave	0.1277	0.1152	0.1000	113	125	-9.8	30.0
Iodomethane	Ave	0.3713	0.3349		22.5	25.0	-9.8	30.0
Carbon disulfide	Ave	0.7965	0.6972	0.1000	21.9	25.0	-12.5	30.0
Allyl chloride	Ave	0.4442	0.3709		20.9	25.0	-16.5	30.0
Methyl acetate	Ave	0.2929	0.2688	0.1000	115	125	-8.2	30.0
Methylene Chloride	Linl		0.2824	0.1000	25.2	25.0	0.7	30.0
2-Methyl-2-propanol	Ave	0.0456	0.0434		238	250	-5.0	30.0
Methyl tert-butyl ether	Ave	0.9065	0.8492	0.1000	23.4	25.0	-6.3	30.0
trans-1,2-Dichloroethene	Ave	0.2733	0.2614	0.1000	23.9	25.0	-4.3	30.0
Acrylonitrile	Ave	0.1397	0.1323		237	250	-5.3	30.0
Hexane	Ave	0.4588	0.4207		22.9	25.0	-8.3	30.0
1,1-Dichloroethane	Ave	0.5296	0.5093	0.2000	24.0	25.0	-3.8	30.0
Vinyl acetate	Ave	0.5724	0.6094		53.2	50.0	6.5	30.0
2,2-Dichloropropane	Ave	0.2920	0.2543		21.8	25.0	-12.9	30.0
cis-1,2-Dichloroethene	Ave	0.3034	0.2873	0.1000	23.7	25.0	-5.3	30.0
2-Butanone (MEK)	Ave	0.1928	0.1810	0.1000	117	125	-6.1	30.0
Chlorobromomethane	Ave	0.1535	0.1507		24.6	25.0	-1.8	30.0
Tetrahydrofuran	Ave	0.1284	0.1177		45.8	50.0	-8.4	30.0
Chloroform	Ave	0.5130	0.4858	0.2000	23.7	25.0	-5.3	30.0
1,1,1-Trichloroethane	Ave	0.4027	0.3713	0.1000	23.1	25.0	-7.8	30.0
Cyclohexane	Ave	0.5463	0.4978	0.1000	22.8	25.0	-8.9	30.0
Carbon tetrachloride	Ave	0.3331	0.3178	0.1000	23.9	25.0	-4.6	30.0
1,1-Dichloropropene	Ave	0.3621	0.3643		25.2	25.0	0.6	30.0
Benzene	Ave	1.122	1.049	0.5000	23.4	25.0	-6.5	30.0
Isobutyl alcohol	Ave	0.0175	0.0169		603	625	-3.6	30.0
1,2-Dichloroethane	Ave	0.4483	0.4243	0.1000	23.7	25.0	-5.4	30.0
n-Heptane	Linl		0.4468		24.4	25.0	-2.2	30.0
Trichloroethene	Ave	0.2966	0.2863	0.2000	24.1	25.0	-3.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Lab Sample ID: ICV 480-186217/24 Calibration Date: 06/07/2014 00:25

Instrument ID: HP5975T Calib Start Date: 06/06/2014 16:26

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/06/2014 18:49

Lab File ID: T1938.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	0.4848	0.4497	0.1000	23.2	25.0	-7.2	30.0
1,2-Dichloropropane	Ave	0.3003	0.2864	0.1000	23.8	25.0	-4.6	30.0
Dibromomethane	Ave	0.1938	0.1842	0.1000	23.8	25.0	-5.0	30.0
1,4-Dioxane	Ave	0.0054	0.0045		418	500	-16.4	30.0
Bromodichloromethane	Ave	0.3670	0.3509	0.2000	23.9	25.0	-4.4	30.0
2-Chloroethyl vinyl ether	Ave	0.2066	0.2075		25.1	25.0	0.4	30.0
cis-1,3-Dichloropropene	Ave	0.4271	0.4212	0.2000	24.7	25.0	-1.4	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5643	0.5469	0.1000	121	125	-3.1	30.0
Toluene	Ave	0.9480	0.9068	0.4000	23.9	25.0	-4.4	30.0
trans-1,3-Dichloropropene	Ave	0.5114	0.5353	0.1000	26.2	25.0	4.7	30.0
Ethyl methacrylate	Ave	0.5339	0.5112		23.9	25.0	-4.2	30.0
1,1,2-Trichloroethane	Ave	0.3196	0.3048	0.1000	23.8	25.0	-4.6	30.0
Tetrachloroethene	Ave	0.3818	0.3607	0.2000	23.6	25.0	-5.5	30.0
1,3-Dichloropropane	Ave	0.6423	0.6185		24.1	25.0	-3.7	30.0
2-Hexanone	Ave	0.4070	0.3995	0.1000	123	125	-1.8	30.0
Chlorodibromomethane	Ave	0.3554	0.3411	0.1000	24.0	25.0	-4.0	30.0
1,2-Dibromoethane (EDB)	Ave	0.3707	0.3695		24.9	25.0	-0.3	30.0
Chlorobenzene	Ave	1.063	1.021	0.5000	24.0	25.0	-3.9	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3241	0.3178		24.5	25.0	-1.9	30.0
Ethylbenzene	Ave	1.858	1.741	0.1000	23.4	25.0	-6.3	30.0
m,p-Xylene	Ave	0.6977	0.6616	0.1000	23.7	25.0	-5.2	30.0
o-Xylene	Ave	0.6795	0.6590	0.3000	24.3	25.0	-3.0	30.0
Styrene	Ave	1.149	1.101	0.3000	24.0	25.0	-4.2	30.0
Bromoform	Ave	0.1977	0.1951	0.1000	24.7	25.0	-1.3	30.0
Isopropylbenzene	Ave	3.587	3.388	0.1000	23.6	25.0	-5.5	30.0
Bromobenzene	Ave	0.8306	0.7931		23.9	25.0	-4.5	30.0
1,1,2,2-Tetrachloroethane	Ave	1.071	1.017	0.3000	23.7	25.0	-5.1	30.0
N-Propylbenzene	Ave	4.364	4.056		23.2	25.0	-7.0	30.0
1,2,3-Trichloropropane	Ave	0.3356	0.3318		24.7	25.0	-1.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2872	0.2785		24.2	25.0	-3.1	30.0
2-Chlorotoluene	Ave	0.8215	0.7817		23.8	25.0	-4.8	30.0
1,3,5-Trimethylbenzene	Ave	3.030	2.848		23.5	25.0	-6.0	30.0
4-Chlorotoluene	Ave	3.008	2.860		23.8	25.0	-4.9	30.0
tert-Butylbenzene	Ave	0.6037	0.5659		23.4	25.0	-6.3	30.0
1,2,4-Trimethylbenzene	Ave	3.115	2.945		23.6	25.0	-5.4	30.0
sec-Butylbenzene	Ave	3.897	3.612		23.2	25.0	-7.3	30.0
1,3-Dichlorobenzene	Ave	1.616	1.508	0.6000	23.3	25.0	-6.6	30.0
4-Isopropyltoluene	Ave	3.268	3.111		23.8	25.0	-4.8	30.0
1,4-Dichlorobenzene	Ave	1.685	1.607	0.5000	23.8	25.0	-4.6	30.0
n-Butylbenzene	Ave	3.041	2.829		23.3	25.0	-7.0	30.0
1,2-Dichlorobenzene	Ave	1.585	1.501	0.4000	23.7	25.0	-5.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Lab Sample ID: ICV 480-186217/24 Calibration Date: 06/07/2014 00:25
 Instrument ID: HP5975T Calib Start Date: 06/06/2014 16:26
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/06/2014 18:49
 Lab File ID: T1938.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	0.1881	0.1872	0.0500	24.9	25.0	-0.5	30.0
1,2,4-Trichlorobenzene	Ave	0.998	0.9343	0.2000	23.4	25.0	-6.4	30.0
Hexachlorobutadiene	Ave	0.4664	0.4425		23.7	25.0	-5.1	30.0
Naphthalene	Ave	2.988	2.906		24.3	25.0	-2.8	30.0
1,2,3-Trichlorobenzene	Ave	0.9476	0.8842		23.3	25.0	-6.7	30.0
Dibromofluoromethane (Surr)	Ave	0.2571	0.2547		24.8	25.0	-0.9	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3408	0.3377		24.8	25.0	-0.9	30.0
Toluene-d8 (Surr)	Ave	1.336	1.333		25.0	25.0	-0.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.3726	0.3722		25.0	25.0	-0.1	30.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1938.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 07-Jun-2014 00:25:30 ALS Bottle#: 39 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 480-0032722-024
 Operator ID: LH/CN Instrument ID: HP5975T
 Sublist:
 Method: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Jun-2014 14:19:27 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK011

First Level Reviewer: HillL

Date: 08-Jun-2014 21:31:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.335	0.000	98	627317	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	86	455099	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	93	235747	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	55	159759	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	211850	25.0	24.8	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	92	606648	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	87	169371	25.0	25.0	
11 Dichlorodifluoromethane	85	0.905	0.916	-0.011	87	201082	25.0	21.6	
13 Chloromethane	50	1.019	1.030	-0.011	89	195093	25.0	20.8	
14 Vinyl chloride	62	1.102	1.102	0.000	83	184455	25.0	21.0	
151 Butadiene	54	1.123	1.123	0.000	90	201081	25.0	22.1	
15 Bromomethane	94	1.320	1.320	0.000	93	56016	25.0	18.2	
16 Chloroethane	64	1.403	1.403	0.000	95	74960	25.0	16.9	
17 Trichlorofluoromethane	101	1.558	1.568	-0.010	84	199142	25.0	21.5	
18 Dichlorofluoromethane	67	1.568	1.568	0.000	79	164870	25.0	18.1	
19 Ethyl ether	59	1.796	1.796	0.000	95	171008	25.0	23.5	
21 Acrolein	56	1.952	1.962	-0.010	96	88051	125.0	71.2	
20 1,1,2-Trichloro-1,2,2-trif	101	1.983	1.973	0.010	84	150883	25.0	23.2	
22 1,1-Dichloroethene	96	1.962	1.973	-0.011	89	143669	25.0	23.1	
24 Iodomethane	142	2.107	2.107	0.000	98	210060	25.0	22.5	
23 Acetone	43	2.107	2.107	0.000	99	361419	125.0	112.8	
25 Carbon disulfide	76	2.128	2.128	0.000	100	437339	25.0	21.9	
27 3-Chloro-1-propene	41	2.304	2.304	0.000	86	232659	25.0	20.9	
28 Methyl acetate	43	2.366	2.377	-0.011	97	843254	125.0	114.7	
30 Methylene Chloride	84	2.439	2.439	0.000	91	177148	25.0	25.2	
33 Methyl tert-butyl ether	73	2.636	2.636	0.000	93	532711	25.0	23.4	
31 2-Methyl-2-propanol	59	2.636	2.636	0.000	49	272118	250.0	237.6	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	91	164008	25.0	23.9	
34 Acrylonitrile	53	2.708	2.708	0.000	98	830017	250.0	236.7	
35 Hexane	57	2.812	2.812	0.000	94	263886	25.0	22.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	2.999	3.009	-0.010	86	319472	25.0	24.0	
39 Vinyl acetate	43	3.071	3.071	0.000	97	764554	50.0	53.2	
42 2,2-Dichloropropane	77	3.444	3.444	0.000	92	159497	25.0	21.8	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	71	180227	25.0	23.7	
44 2-Butanone (MEK)	43	3.537	3.537	0.000	100	567672	125.0	117.3	
47 Chlorobromomethane	128	3.672	3.672	0.000	94	94519	25.0	24.5	
48 Tetrahydrofuran	42	3.703	3.703	0.000	88	147610	50.0	45.8	
50 Chloroform	83	3.734	3.745	-0.011	83	304763	25.0	23.7	
52 Cyclohexane	56	3.817	3.817	0.000	94	312259	25.0	22.8	
51 1,1,1-Trichloroethane	97	3.817	3.828	-0.011	90	232890	25.0	23.0	
53 Carbon tetrachloride	117	3.931	3.931	0.000	82	199347	25.0	23.9	
54 1,1-Dichloropropene	75	3.942	3.952	-0.010	89	228506	25.0	25.1	
55 Benzene	78	4.118	4.118	0.000	97	658252	25.0	23.4	
56 Isobutyl alcohol	43	4.170	4.170	0.000	88	265429	625.0	602.8	
57 1,2-Dichloroethane	62	4.180	4.180	0.000	91	266141	25.0	23.7	
59 n-Heptane	43	4.263	4.273	-0.010	93	280269	25.0	24.4	
60 Trichloroethene	95	4.605	4.605	0.000	94	179606	25.0	24.1	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	282093	25.0	23.2	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	89	179656	25.0	23.8	
65 Dibromomethane	93	4.905	4.905	0.000	91	115575	25.0	23.8	
66 1,4-Dioxane	88	4.936	4.936	0.000	93	40989	500.0	418.0	M
67 Dichlorobromomethane	83	5.030	5.030	0.000	92	220110	25.0	23.9	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	92	130169	25.0	25.1	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	88	264244	25.0	24.7	
72 4-Methyl-2-pentanone (MIBK)	43	5.475	5.475	0.000	98	1244423	125.0	121.1	
73 Toluene	92	5.569	5.569	0.000	97	412665	25.0	23.9	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	95	243601	25.0	26.2	
77 Ethyl methacrylate	69	5.838	5.838	0.000	90	232666	25.0	23.9	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	88	138705	25.0	23.8	
79 Tetrachloroethene	166	5.962	5.962	0.000	87	164151	25.0	23.6	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	95	281456	25.0	24.1	
81 2-Hexanone	43	6.118	6.118	0.000	98	909015	125.0	122.7	
82 Chlorodibromomethane	129	6.221	6.221	0.000	89	155230	25.0	24.0	
83 Ethylene Dibromide	107	6.294	6.294	0.000	98	168155	25.0	24.9	
86 Chlorobenzene	112	6.657	6.657	0.000	94	464742	25.0	24.0	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	40	144613	25.0	24.5	
88 Ethylbenzene	91	6.729	6.729	0.000	99	792519	25.0	23.4	
90 m-Xylene & p-Xylene	106	6.823	6.823	0.000	0	301071	25.0	23.7	
91 o-Xylene	106	7.133	7.133	0.000	98	299912	25.0	24.2	
92 Styrene	104	7.154	7.154	0.000	95	501088	25.0	24.0	
93 Bromoform	173	7.330	7.330	0.000	93	88794	25.0	24.7	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	798770	25.0	23.6	
97 Bromobenzene	156	7.672	7.672	0.000	99	186965	25.0	23.9	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	88	239649	25.0	23.7	
99 N-Propylbenzene	91	7.745	7.745	0.000	98	956207	25.0	23.2	
100 1,2,3-Trichloropropane	110	7.755	7.755	0.000	81	78213	25.0	24.7	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	80	65646	25.0	24.2	
105 2-Chlorotoluene	126	7.828	7.828	0.000	96	184292	25.0	23.8	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	93	671352	25.0	23.5	
102 4-Chlorotoluene	91	7.911	7.911	0.000	99	674292	25.0	23.8	
106 tert-Butylbenzene	134	8.149	8.149	0.000	88	133412	25.0	23.4	
107 1,2,4-Trimethylbenzene	105	8.190	8.190	0.000	97	694233	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.325	8.325	0.000	95	851483	25.0	23.2	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	95	355601	25.0	23.3	
111 4-Isopropyltoluene	119	8.450	8.450	0.000	97	733455	25.0	23.8	
113 1,4-Dichlorobenzene	146	8.512	8.512	0.000	94	378806	25.0	23.8	
115 n-Butylbenzene	91	8.781	8.781	0.000	98	666897	25.0	23.3	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	93	353750	25.0	23.7	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	77	44126	25.0	24.9	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	92	220266	25.0	23.4	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	93	104307	25.0	23.7	
121 Naphthalene	128	10.336	10.336	0.000	98	685050	25.0	24.3	
122 1,2,3-Trichlorobenzene	180	10.533	10.533	0.001	93	208435	25.0	23.3	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1938.D

Injection Date: 07-Jun-2014 00:25:30

Instrument ID: HP5975T

Operator ID: LH/CN

Lims ID: ICV

Worklist Smp#: 24

Client ID:

Purge Vol: 5.000 mL

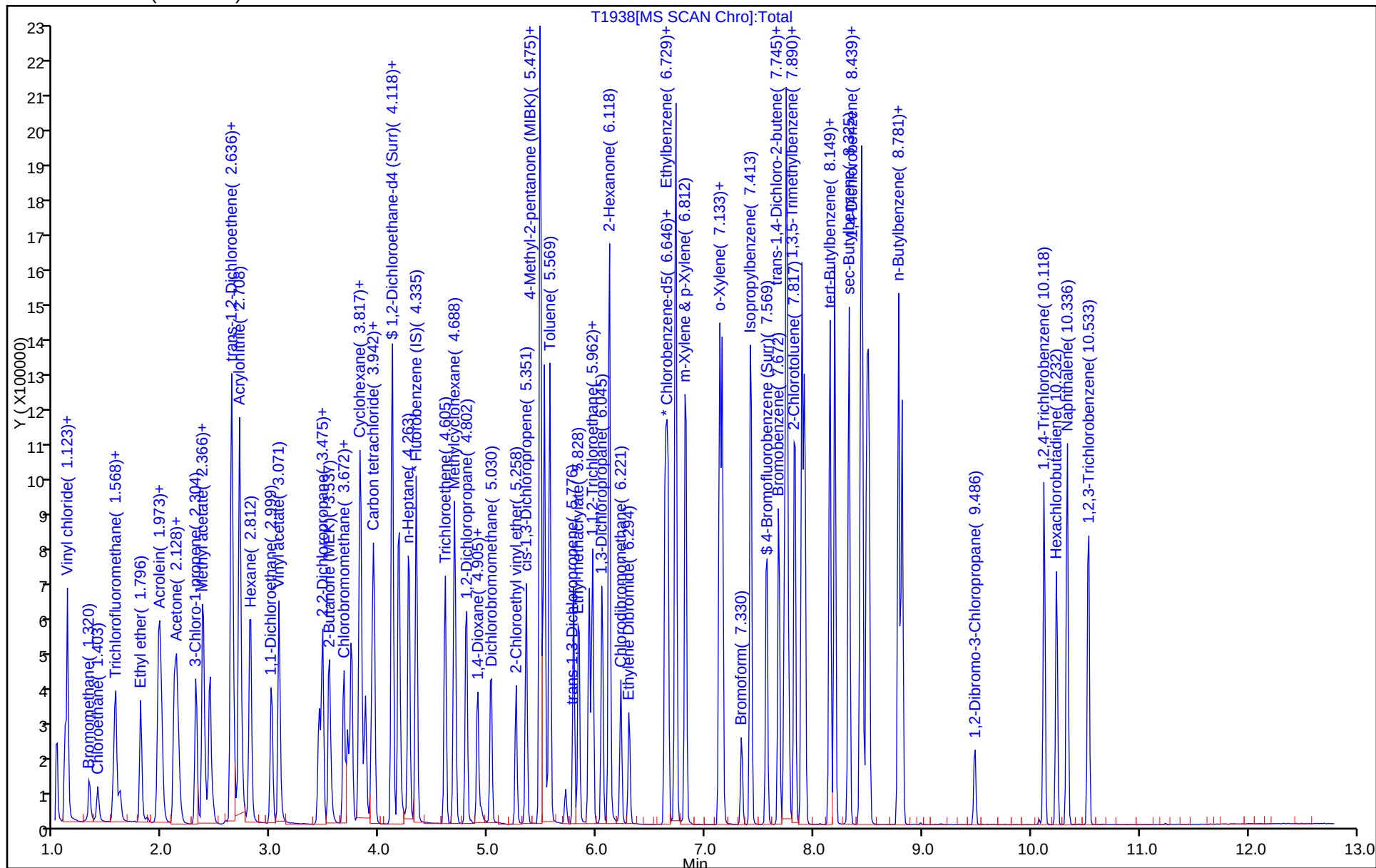
Dil. Factor: 1.0000

ALS Bottle#: 39

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1938.D

Injection Date: 07-Jun-2014 00:25:30

Instrument ID: HP5975T

Lims ID: ICV

Client ID:

Operator ID: LH/CN

ALS Bottle#:

39

Worklist Smp#: 24

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

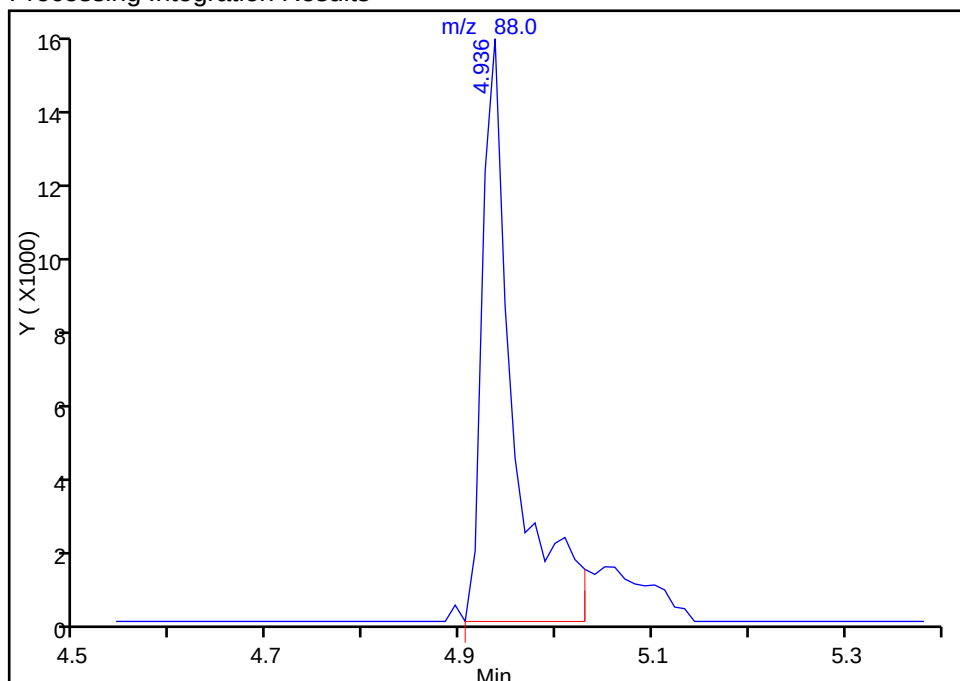
Detector

MS SCAN

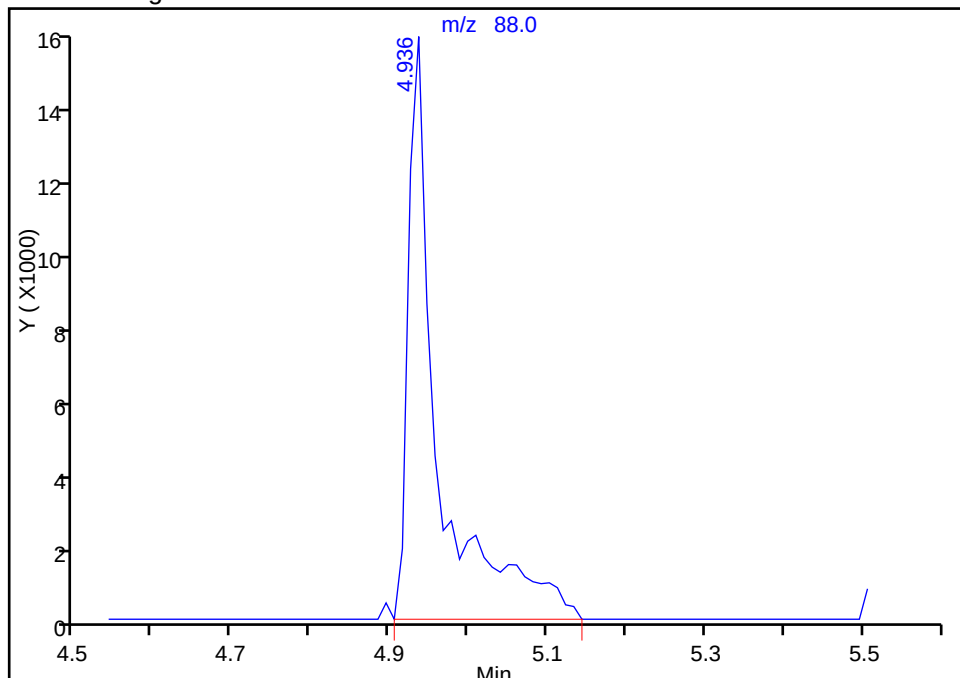
66 1,4-Dioxane, CAS: 123-91-1

RT: 4.94
Response: 34911
Amount: 355.9999

Processing Integration Results

RT: 4.94
Response: 40989
Amount: 417.9794

Manual Integration Results



Reviewer: HillL, 08-Jun-2014 21:31:47

Audit Action: Manually Integrated

Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Lab Sample ID: CCVIS 480-189279/3 Calibration Date: 06/23/2014 10:21

Instrument ID: HP5975T Calib Start Date: 06/06/2014 16:26

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/06/2014 18:49

Lab File ID: T2562.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3713	0.3219	0.1000	21.7	25.0	-13.3	20.0
Chloromethane	Ave	0.3729	0.3335	0.1000	22.4	25.0	-10.6	20.0
Vinyl chloride	Ave	0.3501	0.3194	0.1000	22.8	25.0	-8.8	20.0
Butadiene	Ave	0.3627	0.3198		22.0	25.0	-11.8	20.0
Bromomethane	Linl		0.1861	0.1000	38.9	25.0	55.6*	20.0
Chloroethane	Ave	0.1773	0.1954	0.1000	27.6	25.0	10.2	20.0
Trichlorofluoromethane	Ave	0.3694	0.3581	0.1000	24.2	25.0	-3.0	20.0
Dichlorofluoromethane	Ave	0.3629	0.3986		27.5	25.0	9.8	20.0
Ethyl ether	Ave	0.2899	0.2767		23.9	25.0	-4.6	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.2596	0.2429	0.1000	23.4	25.0	-6.5	20.0
1,1-Dichloroethene	Ave	0.2481	0.2427	0.1000	24.5	25.0	-2.2	20.0
Acrolein	Ave	0.0493	0.0413		105	125	-16.2	20.0
Iodomethane	Ave	0.3713	0.4064		27.4	25.0	9.4	20.0
Acetone	Ave	0.1277	0.1232	0.1000	121	125	-3.5	20.0
Carbon disulfide	Ave	0.7965	0.7524	0.1000	23.6	25.0	-5.5	20.0
Allyl chloride	Ave	0.4442	0.4297		24.2	25.0	-3.3	20.0
Methyl acetate	Ave	0.2929	0.2661	0.1000	114	125	-9.2	20.0
Methylene Chloride	Linl		0.3032	0.1000	27.1	25.0	8.4	20.0
Methyl tert-butyl ether	Ave	0.9065	0.8928	0.1000	24.6	25.0	-1.5	20.0
trans-1,2-Dichloroethene	Ave	0.2733	0.2837	0.1000	26.0	25.0	3.8	20.0
2-Methyl-2-propanol	Ave	0.0456	0.0431		236	250	-5.7	20.0
Acrylonitrile	Ave	0.1397	0.1298		232	250	-7.1	20.0
Hexane	Ave	0.4588	0.4180		22.8	25.0	-8.9	20.0
1,1-Dichloroethane	Ave	0.5296	0.5374	0.2000	25.4	25.0	1.5	20.0
Vinyl acetate	Ave	0.5724	0.5582		48.8	50.0	-2.5	20.0
2,2-Dichloropropane	Ave	0.2920	0.3085		26.4	25.0	5.7	20.0
cis-1,2-Dichloroethene	Ave	0.3034	0.3049	0.1000	25.1	25.0	0.5	20.0
2-Butanone (MEK)	Ave	0.1928	0.1733	0.1000	112	125	-10.1	20.0
Chlorobromomethane	Ave	0.1535	0.1550		25.3	25.0	1.0	20.0
Tetrahydrofuran	Ave	0.1284	0.1132		44.1	50.0	-11.8	20.0
Chloroform	Ave	0.5130	0.5243	0.2000	25.6	25.0	2.2	20.0
1,1,1-Trichloroethane	Ave	0.4027	0.4012	0.1000	24.9	25.0	-0.4	20.0
Cyclohexane	Ave	0.5463	0.4993	0.1000	22.9	25.0	-8.6	20.0
Carbon tetrachloride	Ave	0.3331	0.3092	0.1000	23.2	25.0	-7.2	20.0
1,1-Dichloropropene	Ave	0.3621	0.3718		25.7	25.0	2.7	20.0
Benzene	Ave	1.122	1.118	0.5000	24.9	25.0	-0.4	20.0
1,2-Dichloroethane	Ave	0.4483	0.4400	0.1000	24.5	25.0	-1.9	20.0
Isobutyl alcohol	Ave	0.0175	0.0158		563	625	-9.9	20.0
n-Heptane	Linl		0.4428		24.2	25.0	-3.1	20.0
Trichloroethene	Ave	0.2966	0.2893	0.2000	24.4	25.0	-2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Lab Sample ID: CCVIS 480-189279/3 Calibration Date: 06/23/2014 10:21

Instrument ID: HP5975T Calib Start Date: 06/06/2014 16:26

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/06/2014 18:49

Lab File ID: T2562.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	0.4848	0.4569	0.1000	23.6	25.0	-5.8	20.0
1,2-Dichloropropane	Ave	0.3003	0.2945	0.1000	24.5	25.0	-1.9	20.0
Dibromomethane	Ave	0.1938	0.1887	0.1000	24.3	25.0	-2.7	20.0
1,4-Dioxane	Ave	0.0054	0.0045		417	500	-16.5	20.0
Bromodichloromethane	Ave	0.3670	0.3315	0.2000	22.6	25.0	-9.7	20.0
2-Chloroethyl vinyl ether	Ave	0.2066	0.1814		22.0	25.0	-12.2	20.0
cis-1,3-Dichloropropene	Ave	0.4271	0.3974	0.2000	23.3	25.0	-7.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5643	0.5187	0.1000	115	125	-8.1	20.0
Toluene	Ave	0.9480	0.9431	0.4000	24.9	25.0	-0.5	20.0
trans-1,3-Dichloropropene	Ave	0.5114	0.4770	0.1000	23.3	25.0	-6.7	20.0
Ethyl methacrylate	Ave	0.5339	0.5271		24.7	25.0	-1.3	20.0
1,1,2-Trichloroethane	Ave	0.3196	0.3007	0.1000	23.5	25.0	-5.9	20.0
Tetrachloroethene	Ave	0.3818	0.3712	0.2000	24.3	25.0	-2.8	20.0
1,3-Dichloropropane	Ave	0.6423	0.6169		24.0	25.0	-4.0	20.0
2-Hexanone	Ave	0.4070	0.3881	0.1000	119	125	-4.6	20.0
Chlorodibromomethane	Ave	0.3554	0.3043	0.1000	21.4	25.0	-14.4	20.0
1,2-Dibromoethane (EDB)	Ave	0.3707	0.3646		24.6	25.0	-1.7	20.0
Chlorobenzene	Ave	1.063	1.056	0.5000	24.9	25.0	-0.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3241	0.3107		24.0	25.0	-4.1	20.0
Ethylbenzene	Ave	1.858	1.867	0.1000	25.1	25.0	0.5	20.0
m,p-Xylene	Ave	0.6977	0.6989	0.1000	25.0	25.0	0.2	20.0
o-Xylene	Ave	0.6795	0.6919	0.3000	25.5	25.0	1.8	20.0
Styrene	Ave	1.149	1.195	0.3000	26.0	25.0	4.1	20.0
Bromoform	Ave	0.1977	0.1648	0.1000	20.8	25.0	-16.6	20.0
Isopropylbenzene	Ave	3.587	3.664	0.1000	25.5	25.0	2.2	20.0
Bromobenzene	Ave	0.8306	0.8479		25.5	25.0	2.1	20.0
1,1,2,2-Tetrachloroethane	Ave	1.071	1.027	0.3000	24.0	25.0	-4.1	20.0
N-Propylbenzene	Ave	4.364	4.602		26.4	25.0	5.5	20.0
1,2,3-Trichloropropane	Ave	0.3356	0.3270		24.4	25.0	-2.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2872	0.2952		25.7	25.0	2.8	20.0
2-Chlorotoluene	Ave	0.8215	0.8573		26.1	25.0	4.4	20.0
1,3,5-Trimethylbenzene	Ave	3.030	3.116		25.7	25.0	2.8	20.0
4-Chlorotoluene	Ave	3.008	3.137		26.1	25.0	4.3	20.0
tert-Butylbenzene	Ave	0.6037	0.6099		25.3	25.0	1.0	20.0
1,2,4-Trimethylbenzene	Ave	3.115	3.238		26.0	25.0	4.0	20.0
sec-Butylbenzene	Ave	3.897	4.029		25.9	25.0	3.4	20.0
1,3-Dichlorobenzene	Ave	1.616	1.676	0.6000	25.9	25.0	3.7	20.0
4-Isopropyltoluene	Ave	3.268	3.429		26.2	25.0	4.9	20.0
1,4-Dichlorobenzene	Ave	1.685	1.701	0.5000	25.3	25.0	1.0	20.0
n-Butylbenzene	Ave	3.041	3.288		27.0	25.0	8.1	20.0
1,2-Dichlorobenzene	Ave	1.585	1.650	0.4000	26.0	25.0	4.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-189279/3 Calibration Date: 06/23/2014 10:21
 Instrument ID: HP5975T Calib Start Date: 06/06/2014 16:26
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/06/2014 18:49
 Lab File ID: T2562.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	0.1881	0.1475	0.0500	19.6	25.0	-21.5*	20.0
1,2,4-Trichlorobenzene	Ave	0.998	1.016	0.2000	25.5	25.0	1.8	20.0
Hexachlorobutadiene	Ave	0.4664	0.4819		25.8	25.0	3.3	20.0
Naphthalene	Ave	2.988	2.983		25.0	25.0	-0.2	20.0
1,2,3-Trichlorobenzene	Ave	0.9476	0.9644		25.4	25.0	1.8	20.0
Dibromofluoromethane (Surr)	Ave	0.2571	0.2549		24.8	25.0	-0.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3408	0.3250		23.8	25.0	-4.6	20.0
Toluene-d8 (Surr)	Ave	1.336	1.289		24.1	25.0	-3.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3726	0.3665		24.6	25.0	-1.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2562.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 23-Jun-2014 10:21:30 ALS Bottle#: 31 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0033200-003
 Operator ID: LH/CN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Jun-2014 11:06:43 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK034

First Level Reviewer: manc

Date: 23-Jun-2014 11:06:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.335	0.000	98	520765	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	86	374829	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	96	190644	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	132756	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	169248	25.0	23.8	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	92	483261	25.0	24.1	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	87	137363	25.0	24.6	
11 Dichlorodifluoromethane	85	0.905	0.905	0.000	87	167634	25.0	21.7	
13 Chloromethane	50	1.019	1.019	0.000	89	173687	25.0	22.4	
14 Vinyl chloride	62	1.102	1.102	0.000	99	166317	25.0	22.8	
151 Butadiene	54	1.123	1.123	0.000	90	166540	25.0	22.0	
15 Bromomethane	94	1.320	1.320	0.000	91	96905	25.0	38.9	
16 Chloroethane	64	1.382	1.382	0.000	100	101734	25.0	27.6	
17 Trichlorofluoromethane	101	1.537	1.537	0.000	86	186509	25.0	24.2	
18 Dichlorofluoromethane	67	1.558	1.558	0.000	82	207554	25.0	27.5	
19 Ethyl ether	59	1.807	1.807	0.000	95	144077	25.0	23.9	
21 Acrolein	56	1.962	1.962	0.000	63	107617	125.0	104.8	
20 1,1,2-Trichloro-1,2,2-trif	101	1.962	1.962	0.000	87	126468	25.0	23.4	
22 1,1-Dichloroethene	96	1.962	1.962	0.000	88	126413	25.0	24.5	
24 Iodomethane	142	2.097	2.097	0.000	97	211645	25.0	27.4	
23 Acetone	43	2.118	2.118	0.000	98	320895	125.0	120.6	
25 Carbon disulfide	76	2.118	2.118	0.000	99	391798	25.0	23.6	
27 3-Chloro-1-propene	41	2.304	2.304	0.000	85	223793	25.0	24.2	
28 Methyl acetate	43	2.377	2.377	0.000	98	692868	125.0	113.6	
30 Methylene Chloride	84	2.429	2.429	0.000	94	157890	25.0	27.1	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	90	147755	25.0	26.0	
33 Methyl tert-butyl ether	73	2.636	2.636	0.000	93	464927	25.0	24.6	
31 2-Methyl-2-propanol	59	2.657	2.657	0.000	85	224244	250.0	235.8	
34 Acrylonitrile	53	2.708	2.708	0.000	98	675804	250.0	232.2	
35 Hexane	57	2.802	2.802	0.000	94	217654	25.0	22.8	

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	2.999	2.999	0.000	86	279845	25.0	25.4	
39 Vinyl acetate	43	3.071	3.071	0.000	98	581344	50.0	48.8	
42 2,2-Dichloropropane	77	3.444	3.444	0.000	91	160661	25.0	26.4	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	68	158802	25.0	25.1	
44 2-Butanone (MEK)	43	3.537	3.537	0.000	99	451202	125.0	112.4	
47 Chlorobromomethane	128	3.672	3.672	0.000	93	80731	25.0	25.3	
48 Tetrahydrofuran	42	3.703	3.703	0.000	89	117910	50.0	44.1	
50 Chloroform	83	3.734	3.734	0.000	83	273043	25.0	25.6	
52 Cyclohexane	56	3.817	3.817	0.000	94	260040	25.0	22.9	
51 1,1,1-Trichloroethane	97	3.817	3.817	0.000	89	208925	25.0	24.9	
53 Carbon tetrachloride	117	3.931	3.931	0.000	80	161005	25.0	23.2	
54 1,1-Dichloropropene	75	3.942	3.942	0.000	91	193628	25.0	25.7	
55 Benzene	78	4.118	4.118	0.000	97	582177	25.0	24.9	
57 1,2-Dichloroethane	62	4.180	4.180	0.000	91	229125	25.0	24.5	
56 Isobutyl alcohol	43	4.180	4.180	0.000	92	205744	625.0	562.8	
59 n-Heptane	43	4.263	4.263	0.000	92	230572	25.0	24.2	
60 Trichloroethene	95	4.605	4.605	0.000	93	150649	25.0	24.4	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	237950	25.0	23.6	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	89	153387	25.0	24.5	
65 Dibromomethane	93	4.905	4.905	0.000	90	98261	25.0	24.3	
66 1,4-Dioxane	88	4.937	4.937	0.000	94	33714	500.0	417.4	
67 Dichlorobromomethane	83	5.030	5.030	0.000	92	172606	25.0	22.6	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	94	94470	25.0	21.9	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	88	206940	25.0	23.3	
72 4-Methyl-2-pentanone (MIBK)	43	5.475	5.475	0.000	98	972049	125.0	114.9	
73 Toluene	92	5.569	5.569	0.000	97	353492	25.0	24.9	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	94	178790	25.0	23.3	
77 Ethyl methacrylate	69	5.838	5.838	0.000	90	197576	25.0	24.7	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	88	112702	25.0	23.5	
79 Tetrachloroethene	166	5.962	5.962	0.000	84	139145	25.0	24.3	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	94	231236	25.0	24.0	
81 2-Hexanone	43	6.118	6.118	0.000	97	727411	125.0	119.2	
82 Chlorodibromomethane	129	6.222	6.222	0.000	88	114043	25.0	21.4	
83 Ethylene Dibromide	107	6.294	6.294	0.000	96	136673	25.0	24.6	
86 Chlorobenzene	112	6.657	6.657	0.000	94	395934	25.0	24.9	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	39	116457	25.0	24.0	
88 Ethylbenzene	91	6.729	6.729	0.000	99	699772	25.0	25.1	
90 m-Xylene & p-Xylene	106	6.812	6.812	0.000	0	261954	25.0	25.0	
91 o-Xylene	106	7.133	7.133	0.000	98	259353	25.0	25.5	
92 Styrene	104	7.154	7.154	0.000	95	448041	25.0	26.0	
93 Bromoform	173	7.330	7.330	0.000	92	61786	25.0	20.8	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	698528	25.0	25.5	
97 Bromobenzene	156	7.683	7.683	0.000	98	161638	25.0	25.5	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	88	195736	25.0	24.0	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	877396	25.0	26.4	
100 1,2,3-Trichloropropane	110	7.755	7.755	0.000	82	62340	25.0	24.4	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	74	56269	25.0	25.7	
105 2-Chlorotoluene	126	7.828	7.828	0.000	95	163441	25.0	26.1	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	93	594049	25.0	25.7	
102 4-Chlorotoluene	91	7.911	7.911	0.000	99	598013	25.0	26.1	
106 tert-Butylbenzene	134	8.149	8.149	0.000	93	116280	25.0	25.3	
107 1,2,4-Trimethylbenzene	105	8.190	8.190	0.000	97	617316	25.0	26.0	

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	8.325	8.325	0.000	95	768197	25.0	25.9	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	95	319501	25.0	25.9	
111 4-Isopropyltoluene	119	8.450	8.450	0.000	97	653790	25.0	26.2	
113 1,4-Dichlorobenzene	146	8.512	8.512	0.000	93	324373	25.0	25.2	
115 n-Butylbenzene	91	8.781	8.781	0.000	98	626762	25.0	27.0	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	93	314553	25.0	26.0	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	73	28128	25.0	19.6	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	93	193749	25.0	25.5	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	90	91879	25.0	25.8	
121 Naphthalene	128	10.336	10.336	0.000	98	568659	25.0	25.0	
122 1,2,3-Trichlorobenzene	180	10.533	10.533	0.000	93	183853	25.0	25.4	
S 125 Total BTEX	1				0			125.4	
S 126 Xylenes, Total	1				0			50.5	
S 123 1,3-Dichloropropene, Total	1				0			46.6	
S 124 1,2-Dichloroethene, Total	1				0			51.1	

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2562.D

Instrument ID: HP5975T

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

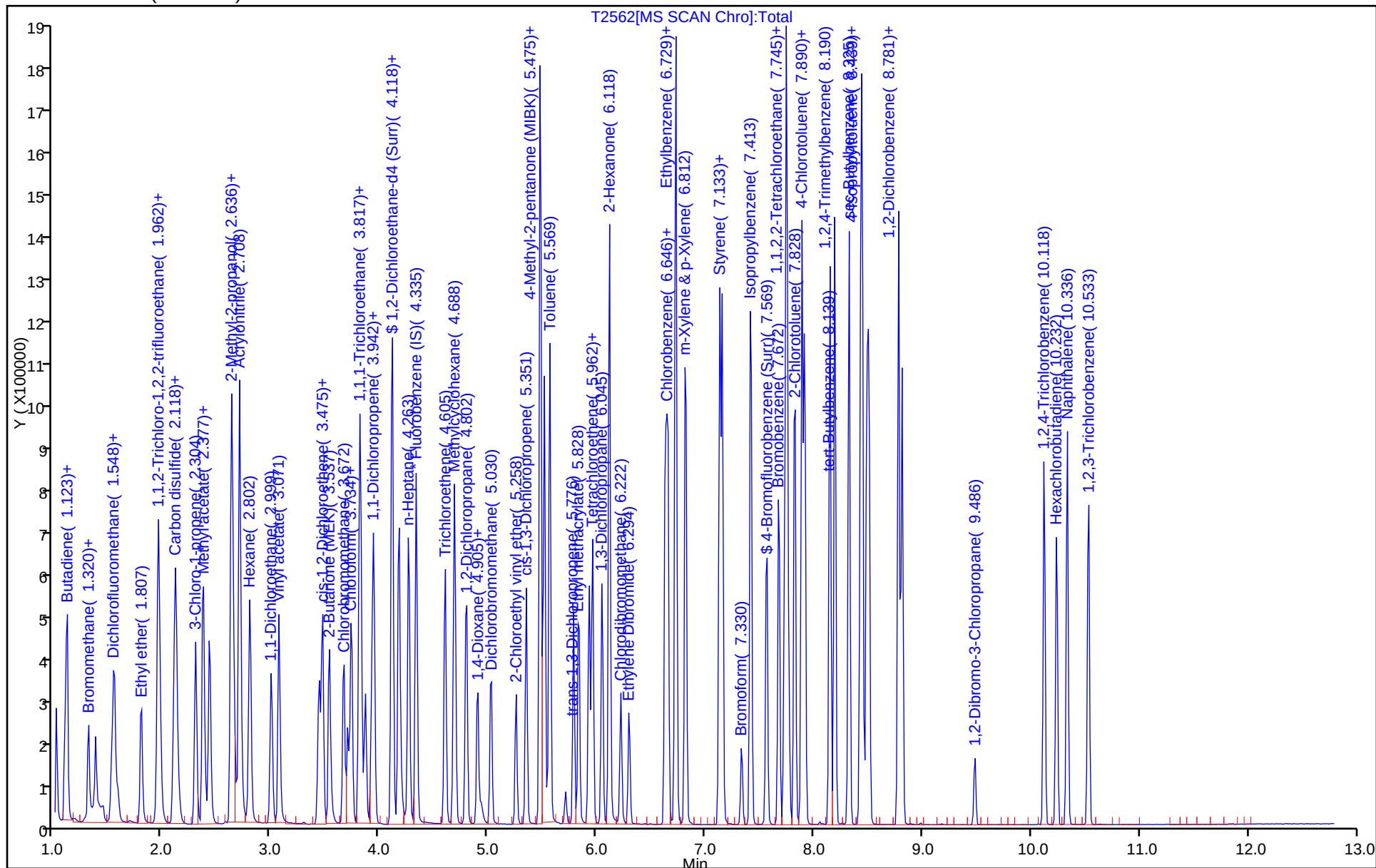
Dil. Factor: 1.0000

ALS Bottle#: 31

Method: T-8260

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.: 480-61593-1

SDG No.: _____

Lab Sample ID: CCVIS 480-189394/2 Calibration Date: 06/23/2014 23:10

Instrument ID: HP5975T Calib Start Date: 06/06/2014 16:26

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/06/2014 18:49

Lab File ID: T2593.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3713	0.3000	0.1000	20.2	25.0	-19.2	20.0
Chloromethane	Ave	0.3729	0.3239	0.1000	21.7	25.0	-13.1	20.0
Vinyl chloride	Ave	0.3501	0.2983	0.1000	21.3	25.0	-14.8	20.0
Butadiene	Ave	0.3627	0.2952		20.4	25.0	-18.6	20.0
Bromomethane	Linl		0.1629	0.1000	34.0	25.0	35.8*	20.0
Chloroethane	Ave	0.1773	0.1780	0.1000	25.1	25.0	0.4	20.0
Dichlorofluoromethane	Ave	0.3629	0.3658		25.2	25.0	0.8	20.0
Trichlorofluoromethane	Ave	0.3694	0.3540	0.1000	24.0	25.0	-4.2	20.0
Ethyl ether	Ave	0.2899	0.2829		24.4	25.0	-2.4	20.0
Acrolein	Ave	0.0493	0.0449		114	125	-8.9	20.0
1,1-Dichloroethene	Ave	0.2481	0.2384	0.1000	24.0	25.0	-3.9	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.2596	0.2575	0.1000	24.8	25.0	-0.8	20.0
Acetone	Ave	0.1277	0.1156	0.1000	113	125	-9.5	20.0
Iodomethane	Ave	0.3713	0.3970		26.7	25.0	6.9	20.0
Carbon disulfide	Ave	0.7965	0.7825	0.1000	24.6	25.0	-1.8	20.0
Allyl chloride	Ave	0.4442	0.4155		23.4	25.0	-6.5	20.0
Methyl acetate	Ave	0.2929	0.2629	0.1000	112	125	-10.2	20.0
Methylene Chloride	Linl		0.3079	0.1000	27.6	25.0	10.2	20.0
2-Methyl-2-propanol	Ave	0.0456	0.0442		242	250	-3.2	20.0
Methyl tert-butyl ether	Ave	0.9065	0.8682	0.1000	23.9	25.0	-4.2	20.0
trans-1,2-Dichloroethene	Ave	0.2733	0.2737	0.1000	25.0	25.0	0.1	20.0
Acrylonitrile	Ave	0.1397	0.1258		225	250	-10.0	20.0
Hexane	Ave	0.4588	0.4337		23.6	25.0	-5.5	20.0
1,1-Dichloroethane	Ave	0.5296	0.5171	0.2000	24.4	25.0	-2.4	20.0
Vinyl acetate	Ave	0.5724	0.5609		49.0	50.0	-2.0	20.0
2,2-Dichloropropane	Ave	0.2920	0.3059		26.2	25.0	4.8	20.0
cis-1,2-Dichloroethene	Ave	0.3034	0.2979	0.1000	24.5	25.0	-1.8	20.0
2-Butanone (MEK)	Ave	0.1928	0.1734	0.1000	113	125	-10.0	20.0
Chlorobromomethane	Ave	0.1535	0.1444		23.5	25.0	-5.9	20.0
Tetrahydrofuran	Ave	0.1284	0.1095		42.7	50.0	-14.7	20.0
Chloroform	Ave	0.5130	0.5029	0.2000	24.5	25.0	-2.0	20.0
1,1,1-Trichloroethane	Ave	0.4027	0.3987	0.1000	24.8	25.0	-1.0	20.0
Cyclohexane	Ave	0.5463	0.5030	0.1000	23.0	25.0	-7.9	20.0
Carbon tetrachloride	Ave	0.3331	0.3241	0.1000	24.3	25.0	-2.7	20.0
1,1-Dichloropropene	Ave	0.3621	0.3505		24.2	25.0	-3.2	20.0
Benzene	Ave	1.122	1.067	0.5000	23.8	25.0	-4.9	20.0
1,2-Dichloroethane	Ave	0.4483	0.4329	0.1000	24.1	25.0	-3.4	20.0
Isobutyl alcohol	Ave	0.0175	0.0168		598	625	-4.2	20.0
n-Heptane	Linl		0.4486		24.6	25.0	-1.8	20.0
Trichloroethene	Ave	0.2966	0.2754	0.2000	23.2	25.0	-7.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Lab Sample ID: CCVIS 480-189394/2 Calibration Date: 06/23/2014 23:10

Instrument ID: HP5975T Calib Start Date: 06/06/2014 16:26

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/06/2014 18:49

Lab File ID: T2593.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	0.4848	0.4658	0.1000	24.0	25.0	-3.9	20.0
1,2-Dichloropropane	Ave	0.3003	0.2898	0.1000	24.1	25.0	-3.5	20.0
Dibromomethane	Ave	0.1938	0.1886	0.1000	24.3	25.0	-2.7	20.0
1,4-Dioxane	Ave	0.0054	0.0051		475	500	-5.0	20.0
Bromodichloromethane	Ave	0.3670	0.3488	0.2000	23.8	25.0	-5.0	20.0
2-Chloroethyl vinyl ether	Ave	0.2066	0.1853		22.4	25.0	-10.3	20.0
cis-1,3-Dichloropropene	Ave	0.4271	0.3992	0.2000	23.4	25.0	-6.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5643	0.5091	0.1000	113	125	-9.8	20.0
Toluene	Ave	0.9480	0.8927	0.4000	23.5	25.0	-5.8	20.0
trans-1,3-Dichloropropene	Ave	0.5114	0.4857	0.1000	23.7	25.0	-5.0	20.0
Ethyl methacrylate	Ave	0.5339	0.5107		23.9	25.0	-4.3	20.0
1,1,2-Trichloroethane	Ave	0.3196	0.2916	0.1000	22.8	25.0	-8.8	20.0
Tetrachloroethene	Ave	0.3818	0.3410	0.2000	22.3	25.0	-10.7	20.0
1,3-Dichloropropane	Ave	0.6423	0.5941		23.1	25.0	-7.5	20.0
2-Hexanone	Ave	0.4070	0.3663	0.1000	113	125	-10.0	20.0
Chlorodibromomethane	Ave	0.3554	0.3171	0.1000	22.3	25.0	-10.8	20.0
1,2-Dibromoethane (EDB)	Ave	0.3707	0.3482		23.5	25.0	-6.1	20.0
Chlorobenzene	Ave	1.063	1.010	0.5000	23.8	25.0	-4.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3241	0.3100		23.9	25.0	-4.3	20.0
Ethylbenzene	Ave	1.858	1.721	0.1000	23.2	25.0	-7.4	20.0
m,p-Xylene	Ave	0.6977	0.6721	0.1000	24.1	25.0	-3.7	20.0
o-Xylene	Ave	0.6795	0.6358	0.3000	23.4	25.0	-6.4	20.0
Styrene	Ave	1.149	1.140	0.3000	24.8	25.0	-0.8	20.0
Bromoform	Ave	0.1977	0.1704	0.1000	21.6	25.0	-13.8	20.0
Isopropylbenzene	Ave	3.587	3.396	0.1000	23.7	25.0	-5.3	20.0
Bromobenzene	Ave	0.8306	0.7675		23.1	25.0	-7.6	20.0
1,1,2,2-Tetrachloroethane	Ave	1.071	1.006	0.3000	23.5	25.0	-6.0	20.0
N-Propylbenzene	Ave	4.364	4.184		24.0	25.0	-4.1	20.0
1,2,3-Trichloropropane	Ave	0.3356	0.3147		23.4	25.0	-6.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2872	0.2820		24.5	25.0	-1.8	20.0
2-Chlorotoluene	Ave	0.8215	0.8003		24.4	25.0	-2.6	20.0
1,3,5-Trimethylbenzene	Ave	3.030	2.901		23.9	25.0	-4.3	20.0
4-Chlorotoluene	Ave	3.008	2.893		24.1	25.0	-3.8	20.0
tert-Butylbenzene	Ave	0.6037	0.5548		23.0	25.0	-8.1	20.0
1,2,4-Trimethylbenzene	Ave	3.115	3.019		24.2	25.0	-3.1	20.0
sec-Butylbenzene	Ave	3.897	3.663		23.5	25.0	-6.0	20.0
1,3-Dichlorobenzene	Ave	1.616	1.563	0.6000	24.2	25.0	-3.2	20.0
4-Isopropyltoluene	Ave	3.268	3.141		24.0	25.0	-3.9	20.0
1,4-Dichlorobenzene	Ave	1.685	1.596	0.5000	23.7	25.0	-5.3	20.0
n-Butylbenzene	Ave	3.041	2.977		24.5	25.0	-2.1	20.0
1,2-Dichlorobenzene	Ave	1.585	1.529	0.4000	24.1	25.0	-3.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-189394/2 Calibration Date: 06/23/2014 23:10
 Instrument ID: HP5975T Calib Start Date: 06/06/2014 16:26
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/06/2014 18:49
 Lab File ID: T2593.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	0.1881	0.1549	0.0500	20.6	25.0	-17.7	20.0
1,2,4-Trichlorobenzene	Ave	0.998	0.9100	0.2000	22.8	25.0	-8.8	20.0
Hexachlorobutadiene	Ave	0.4664	0.4221		22.6	25.0	-9.5	20.0
Naphthalene	Ave	2.988	2.726		22.8	25.0	-8.8	20.0
1,2,3-Trichlorobenzene	Ave	0.9476	0.8747		23.1	25.0	-7.7	20.0
Dibromofluoromethane (Surr)	Ave	0.2571	0.2655		25.8	25.0	3.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3408	0.3305		24.3	25.0	-3.0	20.0
Toluene-d8 (Surr)	Ave	1.336	1.310		24.5	25.0	-1.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3726	0.3721		25.0	25.0	-0.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2593.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 23-Jun-2014 23:10:30 ALS Bottle#: 2 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0033215-002
 Operator ID: gtg Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 02:28:20 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK052

First Level Reviewer: goliszekg

Date: 24-Jun-2014 02:28:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.335	0.000	98	509129	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	86	382139	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	94	193070	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	135148	25.0	25.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	168266	25.0	24.2	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	91	500516	25.0	24.5	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	88	142189	25.0	25.0	
11 Dichlorodifluoromethane	85	0.905	0.905	0.000	87	152739	25.0	20.2	
13 Chloromethane	50	1.019	1.019	0.000	89	164913	25.0	21.7	
14 Vinyl chloride	62	1.102	1.102	0.000	84	151857	25.0	21.3	
151 Butadiene	54	1.123	1.123	0.000	91	150304	25.0	20.3	
15 Bromomethane	94	1.320	1.320	0.000	93	82953	25.0	33.9	
16 Chloroethane	64	1.392	1.392	0.000	95	90629	25.0	25.1	
17 Trichlorofluoromethane	101	1.558	1.558	0.000	83	180220	25.0	24.0	
18 Dichlorofluoromethane	67	1.558	1.558	0.000	80	186233	25.0	25.2	
19 Ethyl ether	59	1.797	1.797	0.000	96	144007	25.0	24.4	
21 Acrolein	56	1.952	1.952	0.000	99	114363	125.0	113.9	
22 1,1-Dichloroethene	96	1.962	1.962	0.000	86	121382	25.0	24.0	
20 1,1,2-Trichloro-1,2,2-trif	101	1.973	1.973	0.000	83	131107	25.0	24.8	
24 Iodomethane	142	2.107	2.107	0.000	98	202131	25.0	26.7	
23 Acetone	43	2.107	2.107	0.000	99	294327	125.0	113.2	
25 Carbon disulfide	76	2.128	2.128	0.000	99	398369	25.0	24.6	
27 3-Chloro-1-propene	41	2.304	2.304	0.000	84	211534	25.0	23.4	
28 Methyl acetate	43	2.367	2.367	0.000	98	669354	125.0	112.2	
30 Methylene Chloride	84	2.439	2.439	0.000	94	156782	25.0	27.5	
33 Methyl tert-butyl ether	73	2.636	2.636	0.000	92	442001	25.0	23.9	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	92	139334	25.0	25.0	
31 2-Methyl-2-propanol	59	2.636	2.636	0.000	51	224857	250.0	241.9	
34 Acrylonitrile	53	2.708	2.708	0.000	98	640564	250.0	225.1	
35 Hexane	57	2.802	2.802	0.000	94	220788	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	2.999	2.999	0.000	86	263255	25.0	24.4	
39 Vinyl acetate	43	3.071	3.071	0.000	98	571126	50.0	49.0	
42 2,2-Dichloropropane	77	3.444	3.444	0.000	91	155755	25.0	26.2	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	69	151655	25.0	24.5	
44 2-Butanone (MEK)	43	3.527	3.527	0.000	99	441515	125.0	112.5	
47 Chlorobromomethane	128	3.672	3.672	0.000	93	73514	25.0	23.5	
48 Tetrahydrofuran	42	3.703	3.703	0.000	88	111502	50.0	42.6	
50 Chloroform	83	3.734	3.734	0.000	83	256022	25.0	24.5	
52 Cyclohexane	56	3.817	3.817	0.000	94	256113	25.0	23.0	
51 1,1,1-Trichloroethane	97	3.817	3.817	0.000	89	202969	25.0	24.7	
53 Carbon tetrachloride	117	3.931	3.931	0.000	83	165008	25.0	24.3	
54 1,1-Dichloropropene	75	3.942	3.942	0.000	89	178444	25.0	24.2	
55 Benzene	78	4.118	4.118	0.000	96	543154	25.0	23.8	
56 Isobutyl alcohol	43	4.170	4.170	0.000	89	213877	625.0	598.4	
57 1,2-Dichloroethane	62	4.170	4.170	0.000	91	220408	25.0	24.1	
59 n-Heptane	43	4.263	4.263	0.000	92	228411	25.0	24.5	
60 Trichloroethene	95	4.605	4.605	0.000	93	140210	25.0	23.2	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	237127	25.0	24.0	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	90	147526	25.0	24.1	
65 Dibromomethane	93	4.895	4.895	0.000	84	95996	25.0	24.3	
66 1,4-Dioxane	88	4.926	4.926	0.000	94	39120	500.0	475.1	
67 Dichlorobromomethane	83	5.019	5.019	0.000	92	177590	25.0	23.8	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	92	94362	25.0	22.4	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	87	203229	25.0	23.4	
72 4-Methyl-2-pentanone (MIBK)	43	5.475	5.475	0.000	98	972637	125.0	112.8	
73 Toluene	92	5.569	5.569	0.000	98	341140	25.0	23.5	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	94	185588	25.0	23.7	
77 Ethyl methacrylate	69	5.838	5.838	0.000	90	195173	25.0	23.9	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	89	111432	25.0	22.8	
79 Tetrachloroethene	166	5.962	5.962	0.000	86	130295	25.0	22.3	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	94	227010	25.0	23.1	
81 2-Hexanone	43	6.118	6.118	0.000	97	699834	125.0	112.5	
82 Chlorodibromomethane	129	6.222	6.222	0.000	89	121174	25.0	22.3	
83 Ethylene Dibromide	107	6.294	6.294	0.000	96	133064	25.0	23.5	
86 Chlorobenzene	112	6.657	6.657	0.000	94	385970	25.0	23.8	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	40	118466	25.0	23.9	
88 Ethylbenzene	91	6.729	6.729	0.000	99	657757	25.0	23.2	
90 m-Xylene & p-Xylene	106	6.823	6.823	0.000	0	256851	25.0	24.1	
91 o-Xylene	106	7.134	7.134	0.000	98	242951	25.0	23.4	
92 Styrene	104	7.154	7.154	0.000	96	435592	25.0	24.8	
93 Bromoform	173	7.330	7.330	0.000	91	65128	25.0	21.5	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	655608	25.0	23.7	
97 Bromobenzene	156	7.672	7.672	0.000	98	148181	25.0	23.1	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	89	194255	25.0	23.5	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	807834	25.0	24.0	
100 1,2,3-Trichloropropane	110	7.755	7.755	0.000	87	60760	25.0	23.4	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	74	54445	25.0	24.5	
105 2-Chlorotoluene	126	7.828	7.828	0.000	95	154506	25.0	24.4	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	93	560047	25.0	23.9	
102 4-Chlorotoluene	91	7.911	7.911	0.000	99	558621	25.0	24.0	
106 tert-Butylbenzene	134	8.149	8.149	0.000	93	107108	25.0	23.0	
107 1,2,4-Trimethylbenzene	105	8.191	8.191	0.000	98	582902	25.0	24.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.325	8.325	0.000	95	707220	25.0	23.5	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	95	301848	25.0	24.2	
111 4-Isopropyltoluene	119	8.450	8.450	0.000	97	606402	25.0	24.0	
113 1,4-Dichlorobenzene	146	8.501	8.501	0.000	87	308115	25.0	23.7	
115 n-Butylbenzene	91	8.781	8.781	0.000	98	574729	25.0	24.5	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	93	295179	25.0	24.1	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	72	29896	25.0	20.6	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	92	175688	25.0	22.8	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	90	81494	25.0	22.6	
121 Naphthalene	128	10.336	10.336	0.000	97	526382	25.0	22.8	
122 1,2,3-Trichlorobenzene	180	10.533	10.533	0.000	91	168876	25.0	23.1	
S 123 1,3-Dichloropropene, Total	1				0			47.1	
S 124 1,2-Dichloroethene, Total	1				0			49.6	
S 125 Total BTEX	1				0			117.9	
S 126 Xylenes, Total	1				0			47.5	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2593.D

Injection Date: 23-Jun-2014 23:10:30

Instrument ID: HP5975T

Lims ID: CCVIS

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

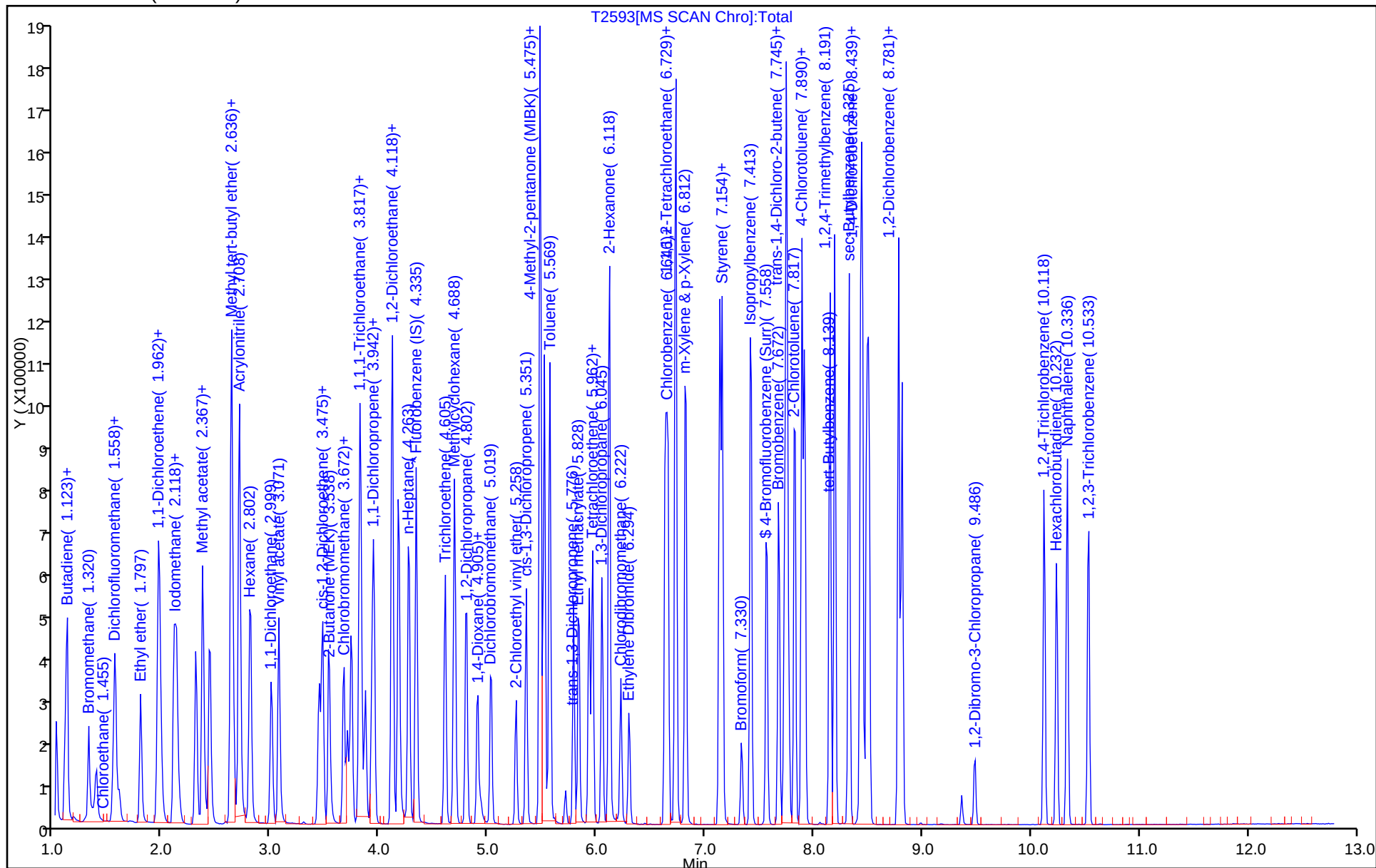
Limit Group: MV - 8260C ICAL

Operator ID: gtg

Worklist Smp#: 2

ALS Bottle#: 2

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Lab Sample ID: CCVIS 480-189443/2 Calibration Date: 06/24/2014 11:21

Instrument ID: HP5975T Calib Start Date: 06/06/2014 16:26

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/06/2014 18:49

Lab File ID: T2625.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3713	0.2595		17.5	25.0	-30.1*	20.0
Chloromethane	Ave	0.3729	0.3248		21.8	25.0	-12.9	20.0
Vinyl chloride	Ave	0.3501	0.2891		20.6	25.0	-17.4	20.0
Butadiene	Ave	0.3627	0.2827		19.5	25.0	-22.1*	20.0
Bromomethane	Lin1		0.1613		33.6	25.0	34.4*	20.0
Chloroethane	Ave	0.1773	0.1659		23.4	25.0	-6.4	20.0
Trichlorofluoromethane	Ave	0.3694	0.3612		24.5	25.0	-2.2	20.0
Dichlorofluoromethane	Ave	0.3629	0.4061		28.0	25.0	11.9	20.0
Ethyl ether	Ave	0.2899	0.2941		25.4	25.0	1.5	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.2596	0.2682		25.8	25.0	3.3	20.0
1,1-Dichloroethene	Ave	0.2481	0.2510		25.3	25.0	1.2	20.0
Acrolein	Ave	0.0493	0.0462		117	125	-6.3	20.0
Iodomethane	Ave	0.3713	0.4107		27.7	25.0	10.6	20.0
Acetone	Ave	0.1277	0.1249		122	125	-2.2	20.0
Carbon disulfide	Ave	0.7965	0.8064		25.3	25.0	1.2	20.0
Allyl chloride	Ave	0.4442	0.4432		24.9	25.0	-0.2	20.0
Methyl acetate	Ave	0.2929	0.2771		118	125	-5.4	20.0
Methylene Chloride	Lin1		0.3155		28.3	25.0	13.0	20.0
trans-1,2-Dichloroethene	Ave	0.2733	0.2897		26.5	25.0	6.0	20.0
Methyl tert-butyl ether	Ave	0.9065	0.8854		24.4	25.0	-2.3	20.0
2-Methyl-2-propanol	Ave	0.0456	0.0493		270	250	7.9	20.0
Acrylonitrile	Ave	0.1397	0.1320		236	250	-5.6	20.0
Hexane	Ave	0.4588	0.4586		25.0	25.0	-0.0	20.0
1,1-Dichloroethane	Ave	0.5296	0.5451		25.7	25.0	2.9	20.0
Vinyl acetate	Ave	0.5724	0.5665		49.5	50.0	-1.0	20.0
2,2-Dichloropropane	Ave	0.2920	0.3174		27.2	25.0	8.7	20.0
cis-1,2-Dichloroethene	Ave	0.3034	0.3108		25.6	25.0	2.4	20.0
2-Butanone (MEK)	Ave	0.1928	0.1817		118	125	-5.7	20.0
Chlorobromomethane	Ave	0.1535	0.1559		25.4	25.0	1.6	20.0
Tetrahydrofuran	Ave	0.1284	0.1156		45.0	50.0	-9.9	20.0
Chloroform	Ave	0.5130	0.5367		26.2	25.0	4.6	20.0
1,1,1-Trichloroethane	Ave	0.4027	0.4041		25.1	25.0	0.3	20.0
Cyclohexane	Ave	0.5463	0.5343		24.5	25.0	-2.2	20.0
Carbon tetrachloride	Ave	0.3331	0.3323		25.0	25.0	-0.2	20.0
1,1-Dichloropropene	Ave	0.3621	0.3813		26.3	25.0	5.3	20.0
Benzene	Ave	1.122	1.128		25.1	25.0	0.6	20.0
1,2-Dichloroethane	Ave	0.4483	0.4538		25.3	25.0	1.2	20.0
Isobutyl alcohol	Ave	0.0175	0.0178		633	625	1.3	20.0
n-Heptane	Lin1		0.4783		26.2	25.0	4.9	20.0
Trichloroethene	Ave	0.2966	0.2929		24.7	25.0	-1.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Lab Sample ID: CCVIS 480-189443/2 Calibration Date: 06/24/2014 11:21

Instrument ID: HP5975T Calib Start Date: 06/06/2014 16:26

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/06/2014 18:49

Lab File ID: T2625.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	0.4848	0.4918		25.4	25.0	1.4	20.0
1,2-Dichloropropane	Ave	0.3003	0.3051		25.4	25.0	1.6	20.0
Dibromomethane	Ave	0.1938	0.1888		24.4	25.0	-2.6	20.0
1,4-Dioxane	Ave	0.0054	0.0056		518	500	3.7	20.0
Bromodichloromethane	Ave	0.3670	0.3565		24.3	25.0	-2.9	20.0
2-Chloroethyl vinyl ether	Ave	0.2066	0.1917		23.2	25.0	-7.2	20.0
cis-1,3-Dichloropropene	Ave	0.4271	0.4237		24.8	25.0	-0.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5643	0.5489		122	125	-2.7	20.0
Toluene	Ave	0.9480	0.999		26.3	25.0	5.3	20.0
trans-1,3-Dichloropropene	Ave	0.5114	0.5037		24.6	25.0	-1.5	20.0
Ethyl methacrylate	Ave	0.5339	0.5632		26.4	25.0	5.5	20.0
1,1,2-Trichloroethane	Ave	0.3196	0.3190		25.0	25.0	-0.2	20.0
Tetrachloroethene	Ave	0.3818	0.3830		25.1	25.0	0.3	20.0
1,3-Dichloropropane	Ave	0.6423	0.6566		25.6	25.0	2.2	20.0
2-Hexanone	Ave	0.4070	0.3998		123	125	-1.8	20.0
Chlorodibromomethane	Ave	0.3554	0.3377		23.8	25.0	-5.0	20.0
1,2-Dibromoethane (EDB)	Ave	0.3707	0.3680		24.8	25.0	-0.7	20.0
Chlorobenzene	Ave	1.063	1.098		25.8	25.0	3.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3241	0.3297		25.4	25.0	1.7	20.0
Ethylbenzene	Ave	1.858	1.926		25.9	25.0	3.7	20.0
m,p-Xylene	Ave	0.6977	0.7328		26.3	25.0	5.0	20.0
o-Xylene	Ave	0.6795	0.7128		26.2	25.0	4.9	20.0
Styrene	Ave	1.149	1.217		26.5	25.0	6.0	20.0
Bromoform	Ave	0.1977	0.1825		23.1	25.0	-7.7	20.0
Isopropylbenzene	Ave	3.587	3.634		25.3	25.0	1.3	20.0
Bromobenzene	Ave	0.8306	0.8244		24.8	25.0	-0.7	20.0
1,1,2,2-Tetrachloroethane	Ave	1.071	1.001		23.4	25.0	-6.5	20.0
N-Propylbenzene	Ave	4.364	4.489		25.7	25.0	2.9	20.0
1,2,3-Trichloropropane	Ave	0.3356	0.3196		23.8	25.0	-4.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2872	0.3110		27.1	25.0	8.3	20.0
2-Chlorotoluene	Ave	0.8215	0.8260		25.1	25.0	0.6	20.0
1,3,5-Trimethylbenzene	Ave	3.030	3.084		25.5	25.0	1.8	20.0
4-Chlorotoluene	Ave	3.008	3.044		25.3	25.0	1.2	20.0
tert-Butylbenzene	Ave	0.6037	0.6228		25.8	25.0	3.2	20.0
1,2,4-Trimethylbenzene	Ave	3.115	3.221		25.9	25.0	3.4	20.0
sec-Butylbenzene	Ave	3.897	4.009		25.7	25.0	2.9	20.0
1,3-Dichlorobenzene	Ave	1.616	1.620		25.1	25.0	0.3	20.0
4-Isopropyltoluene	Ave	3.268	3.413		26.1	25.0	4.5	20.0
1,4-Dichlorobenzene	Ave	1.685	1.695		25.2	25.0	0.6	20.0
n-Butylbenzene	Ave	3.041	3.245		26.7	25.0	6.7	20.0
1,2-Dichlorobenzene	Ave	1.585	1.586		25.0	25.0	0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-189443/2 Calibration Date: 06/24/2014 11:21
 Instrument ID: HP5975T Calib Start Date: 06/06/2014 16:26
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/06/2014 18:49
 Lab File ID: T2625.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	0.1881	0.1537		20.4	25.0	-18.3	20.0
1,2,4-Trichlorobenzene	Ave	0.998	1.011		25.3	25.0	1.3	20.0
Hexachlorobutadiene	Ave	0.4664	0.4801		25.7	25.0	2.9	20.0
Naphthalene	Ave	2.988	2.857		23.9	25.0	-4.4	20.0
1,2,3-Trichlorobenzene	Ave	0.9476	0.9211		24.3	25.0	-2.8	20.0
Dibromofluoromethane (Surr)	Ave	0.2571	0.2481		24.1	25.0	-3.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3408	0.3169		23.3	25.0	-7.0	20.0
Toluene-d8 (Surr)	Ave	1.336	1.337		25.0	25.0	0.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3726	0.3704		24.9	25.0	-0.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2625.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 24-Jun-2014 11:21:30 ALS Bottle#: 34 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0033223-002
 Operator ID: LH/CN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 11:37:37 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: manc

Date: 24-Jun-2014 11:37:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.335	0.000	98	523047	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	88	366128	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	65	194731	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	129780	25.0	24.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	165776	25.0	23.3	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	92	489352	25.0	25.0	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	88	135611	25.0	24.9	
11 Dichlorodifluoromethane	85	0.905	0.905	0.000	87	135708	25.0	17.5	
13 Chloromethane	50	1.019	1.019	0.000	89	169873	25.0	21.8	
14 Vinyl chloride	62	1.102	1.102	0.000	84	151212	25.0	20.6	
151 Butadiene	54	1.123	1.123	0.000	90	147851	25.0	19.5	
15 Bromomethane	94	1.320	1.320	0.000	92	84353	25.0	33.6	
16 Chloroethane	64	1.382	1.382	0.000	99	86749	25.0	23.4	
17 Trichlorofluoromethane	101	1.537	1.537	0.000	84	188917	25.0	24.4	
18 Dichlorofluoromethane	67	1.558	1.558	0.000	83	212387	25.0	28.0	
19 Ethyl ether	59	1.807	1.807	0.000	95	153826	25.0	25.4	
21 Acrolein	56	1.962	1.962	0.000	62	120767	125.0	117.1	
20 1,1,2-Trichloro-1,2,2-trif	101	1.962	1.962	0.000	87	140269	25.0	25.8	
22 1,1-Dichloroethene	96	1.962	1.962	0.000	86	131290	25.0	25.3	
24 Iodomethane	142	2.097	2.097	0.000	97	214808	25.0	27.7	
23 Acetone	43	2.118	2.118	0.000	98	326633	125.0	122.2	
25 Carbon disulfide	76	2.128	2.128	0.000	100	421803	25.0	25.3	
27 3-Chloro-1-propene	41	2.304	2.304	0.000	85	231794	25.0	24.9	
28 Methyl acetate	43	2.377	2.377	0.000	98	724705	125.0	118.3	
30 Methylene Chloride	84	2.439	2.439	0.000	92	165019	25.0	28.2	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	90	151537	25.0	26.5	
33 Methyl tert-butyl ether	73	2.646	2.646	0.000	92	463081	25.0	24.4	
31 2-Methyl-2-propanol	59	2.657	2.657	0.000	89	257652	250.0	269.8	
34 Acrylonitrile	53	2.708	2.708	0.000	99	690295	250.0	236.1	
35 Hexane	57	2.802	2.802	0.000	93	239848	25.0	25.0	

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	2.999	2.999	0.000	86	285100	25.0	25.7	
39 Vinyl acetate	43	3.071	3.071	0.000	98	592569	50.0	49.5	
42 2,2-Dichloropropane	77	3.444	3.444	0.000	91	166000	25.0	27.2	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	69	162576	25.0	25.6	
44 2-Butanone (MEK)	43	3.538	3.538	0.000	100	475208	125.0	117.8	
47 Chlorobromomethane	128	3.672	3.672	0.000	94	81534	25.0	25.4	
48 Tetrahydrofuran	42	3.703	3.703	0.000	88	120968	50.0	45.0	
50 Chloroform	83	3.734	3.734	0.000	83	280733	25.0	26.2	
52 Cyclohexane	56	3.817	3.817	0.000	94	279445	25.0	24.4	
51 1,1,1-Trichloroethane	97	3.817	3.817	0.000	91	211339	25.0	25.1	
53 Carbon tetrachloride	117	3.931	3.931	0.000	80	173831	25.0	24.9	
54 1,1-Dichloropropene	75	3.942	3.942	0.000	90	199441	25.0	26.3	
55 Benzene	78	4.118	4.118	0.000	99	590241	25.0	25.1	
56 Isobutyl alcohol	43	4.180	4.180	0.000	93	232555	625.0	633.4	
57 1,2-Dichloroethane	62	4.180	4.180	0.000	91	237361	25.0	25.3	
59 n-Heptane	43	4.263	4.263	0.000	93	250161	25.0	26.2	
60 Trichloroethene	95	4.605	4.605	0.000	93	153215	25.0	24.7	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	257235	25.0	25.4	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	90	159585	25.0	25.4	
65 Dibromomethane	93	4.895	4.895	0.000	84	98735	25.0	24.3	
66 1,4-Dioxane	88	4.937	4.937	0.000	96	40892	500.0	518.3	
67 Dichlorobromomethane	83	5.030	5.030	0.000	91	186487	25.0	24.3	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	92	100248	25.0	23.2	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	87	221635	25.0	24.8	
72 4-Methyl-2-pentanone (MIBK)	43	5.475	5.475	0.000	99	1004763	125.0	121.6	
73 Toluene	92	5.569	5.569	0.000	97	365587	25.0	26.3	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	94	184428	25.0	24.6	
77 Ethyl methacrylate	69	5.838	5.838	0.000	90	206216	25.0	26.4	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	89	116795	25.0	25.0	
79 Tetrachloroethene	166	5.962	5.962	0.000	83	140236	25.0	25.1	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	94	240391	25.0	25.6	
81 2-Hexanone	43	6.118	6.118	0.000	96	731944	125.0	122.8	
82 Chlorodibromomethane	129	6.222	6.222	0.000	88	123632	25.0	23.8	
83 Ethylene Dibromide	107	6.294	6.294	0.000	98	134739	25.0	24.8	
86 Chlorobenzene	112	6.657	6.657	0.000	93	401826	25.0	25.8	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	40	120717	25.0	25.4	
88 Ethylbenzene	91	6.729	6.729	0.000	99	705340	25.0	25.9	
90 m-Xylene & p-Xylene	106	6.823	6.823	0.000	0	268311	25.0	26.3	
91 o-Xylene	106	7.133	7.133	0.000	99	260974	25.0	26.2	
92 Styrene	104	7.154	7.154	0.000	95	445731	25.0	26.5	
93 Bromoform	173	7.330	7.330	0.000	92	66806	25.0	23.1	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	707651	25.0	25.3	
97 Bromobenzene	156	7.672	7.672	0.000	99	160533	25.0	24.8	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	83	195004	25.0	23.4	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	874213	25.0	25.7	
100 1,2,3-Trichloropropane	110	7.755	7.755	0.000	88	62233	25.0	23.8	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	75	60567	25.0	27.1	
105 2-Chlorotoluene	126	7.828	7.828	0.000	95	160845	25.0	25.1	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	95	600580	25.0	25.4	
102 4-Chlorotoluene	91	7.911	7.911	0.000	99	592681	25.0	25.3	
106 tert-Butylbenzene	134	8.149	8.149	0.000	93	121285	25.0	25.8	
107 1,2,4-Trimethylbenzene	105	8.191	8.191	0.000	97	627235	25.0	25.9	

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	8.325	8.325	0.000	95	780649	25.0	25.7	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	95	315499	25.0	25.1	
111 4-Isopropyltoluene	119	8.450	8.450	0.000	97	664673	25.0	26.1	
113 1,4-Dichlorobenzene	146	8.512	8.512	0.000	93	330052	25.0	25.1	
115 n-Butylbenzene	91	8.781	8.781	0.000	98	631816	25.0	26.7	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	93	308920	25.0	25.0	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	71	29935	25.0	20.4	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	91	196850	25.0	25.3	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	91	93481	25.0	25.7	
121 Naphthalene	128	10.336	10.336	0.000	98	556415	25.0	23.9	
122 1,2,3-Trichlorobenzene	180	10.533	10.533	0.000	92	179359	25.0	24.3	
S 123 1,3-Dichloropropene, Total	1				0			49.4	
S 124 1,2-Dichloroethene, Total	1				0			52.1	
S 125 Total BTEX	1				0			129.9	
S 126 Xylenes, Total	1				0			52.5	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2625.D

Injection Date: 24-Jun-2014 11:21:30

Instrument ID: HP5975T

Lims ID: CCVIS

Operator ID: LH/CN

Client ID:

Worklist Smp#: 2

Purge Vol: 5.000 mL

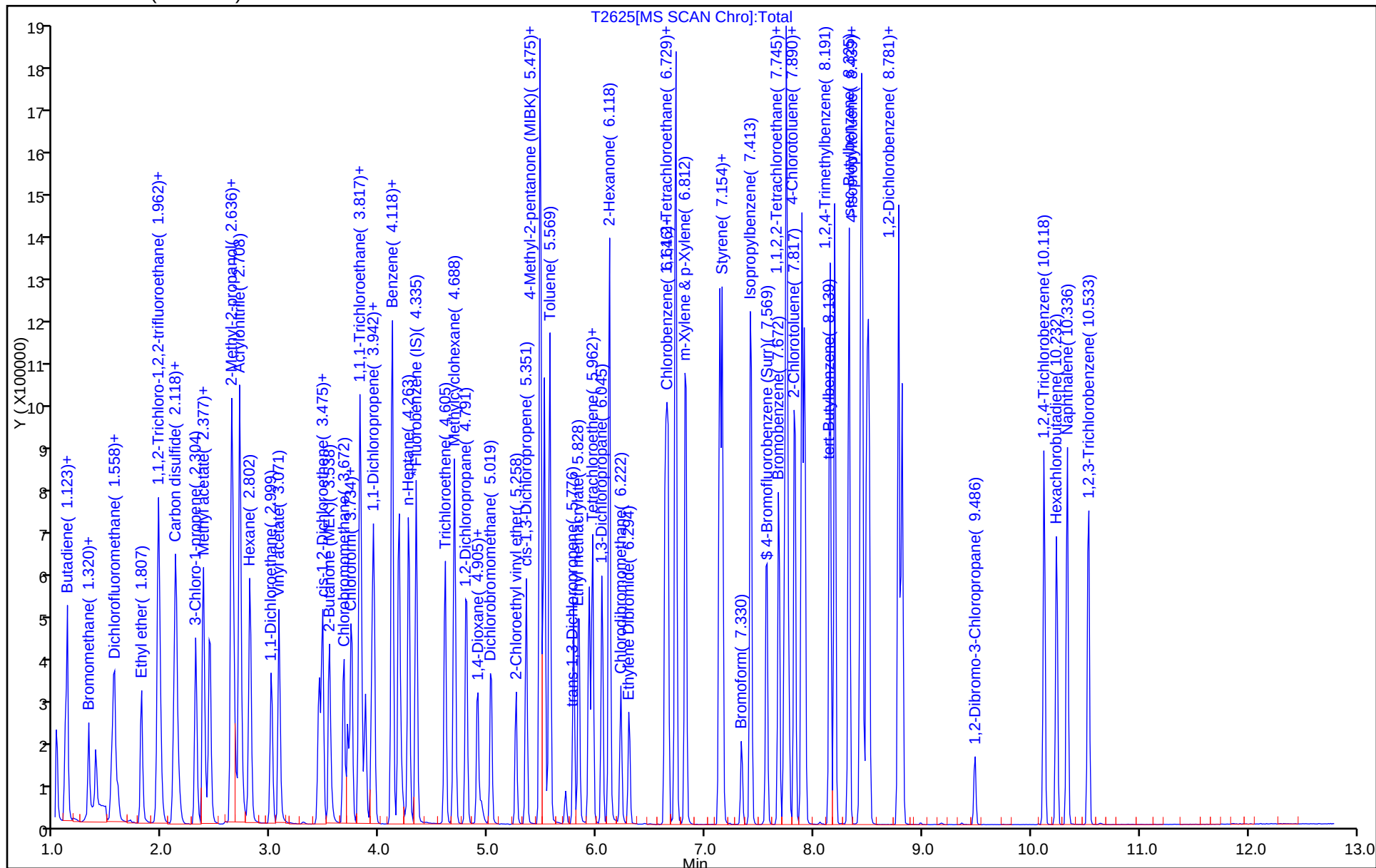
Dil. Factor: 1.0000

ALS Bottle#: 34

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1916.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 06-Jun-2014 15:38:30 ALS Bottle#: 17 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0032722-002
Operator ID: LH/CN Instrument ID: HP5975T
Method: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Jun-2014 15:47:29 Calib Date: 30-Apr-2014 11:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975T\20140430-31594.b\T0654.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: HillL

Date: 06-Jun-2014 15:47:29

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

\$ 5 BFB	95	4.846	4.846	0.000	80	142580	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1916.D

Injection Date: 06-Jun-2014 15:38:30

Instrument ID: HP5975T

Lims ID: BFB

Client ID:

Operator ID: LH/CN

ALS Bottle#: 17

Worklist Smp#: 2

Purge Vol: 5.000 mL

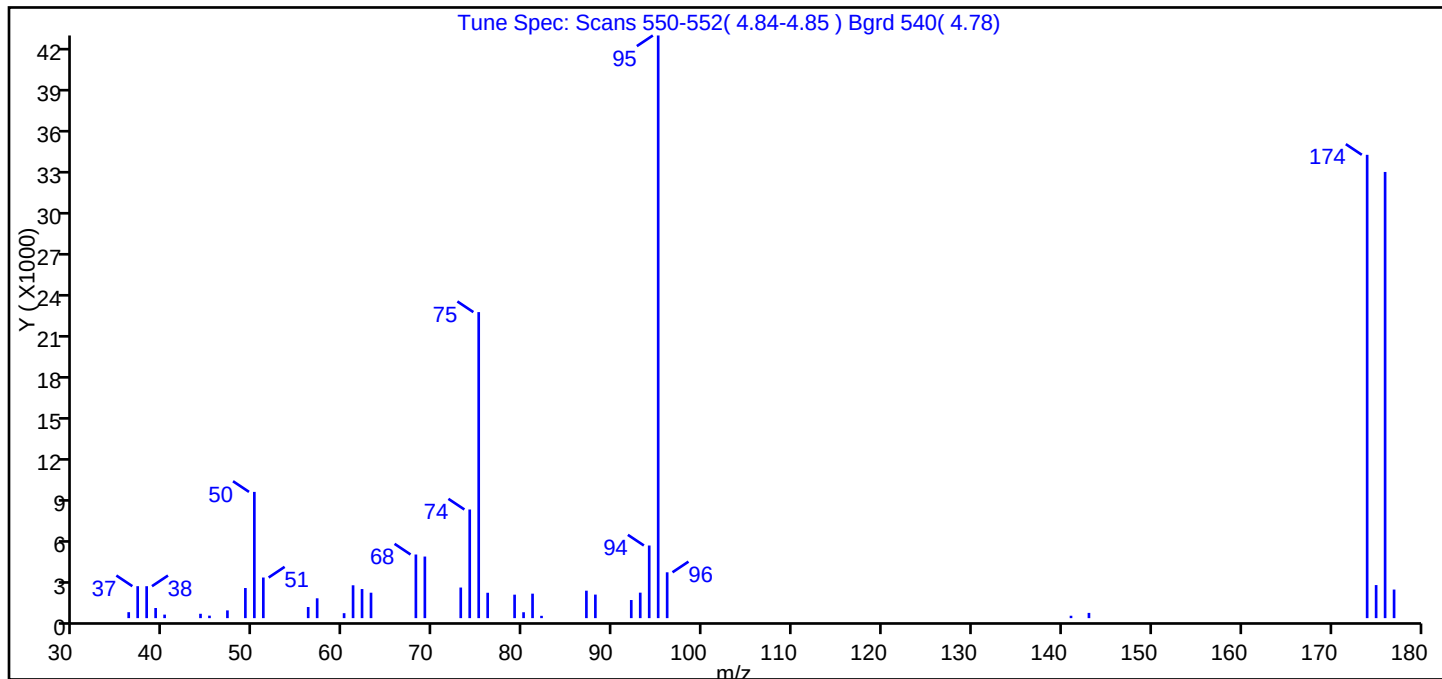
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.70
75	30.00 - 60.00% of mass 95	52.50
96	5.00 - 9.00% of mass 95	7.90
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	79.50
175	5.00 - 9.00% of mass 174	5.70 (7.10)
176	95.00 - 101.00% of mass 174	76.60 (96.30)
177	5.00 - 9.00% of mass 176	4.90 (6.40)

Data File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1916.D\T-8260.rslt\spectra.d

Injection Date: 06-Jun-2014 15:38:30

Spectrum: Tune Spec: Scans 550-552(4.84-4.85) Bgrd 540(4.78)

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	441	51.00	2996	74.00	8012	93.00	1880
37.00	2357	56.00	820	75.00	22568	94.00	5357
38.00	2356	57.00	1464	76.00	1872	95.00	42968
39.00	747	60.00	365	79.00	1732	96.00	3381
40.00	260	61.00	2423	80.00	435	141.00	177
44.00	322	62.00	2146	81.00	1806	143.00	387
45.00	185	63.00	1876	82.00	172	174.00	34168
47.00	572	68.00	4693	87.00	2025	175.00	2439
49.00	2221	69.00	4542	88.00	1737	176.00	32904
50.00	9310	73.00	2257	92.00	1336	177.00	2109

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2561.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 23-Jun-2014 09:51:30 ALS Bottle#: 30 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0033200-002
Operator ID: LH/CN Instrument ID: HP5975T
Method: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Jun-2014 10:08:52 Calib Date: 06-Jun-2014 22:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: manc

Date: 23-Jun-2014 10:08:52

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

\$ 5 BFB	95	4.943	4.943	0.000	82	219942	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2561.D

Injection Date: 23-Jun-2014 09:51:30

Instrument ID: HP5975T

Lims ID: BFB

Client ID:

Operator ID: LH/CN

ALS Bottle#: 30

Worklist Smp#: 2

Purge Vol: 5.000 mL

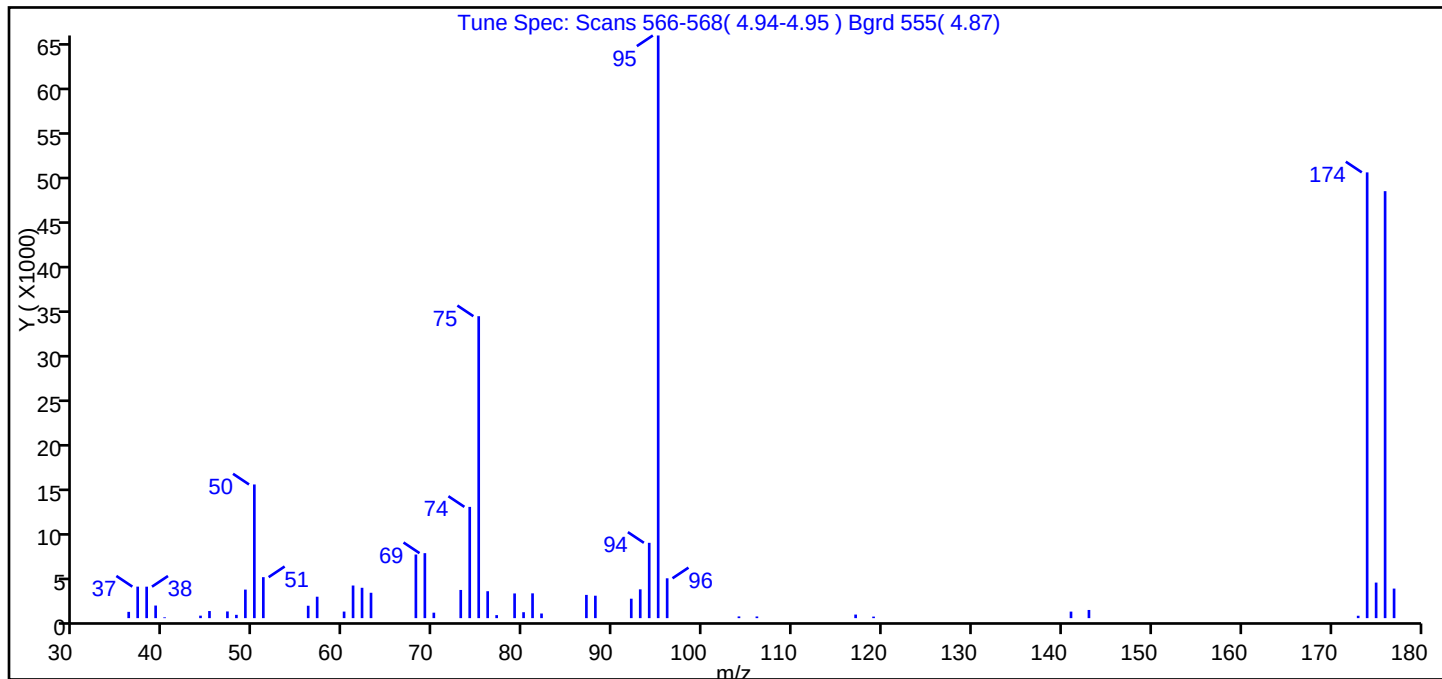
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.90
75	30.00 - 60.00% of mass 95	51.80
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.40 (0.50)
174	50.00 - 120.00% of mass 95	76.50
175	5.00 - 9.00% of mass 174	6.10 (8.00)
176	95.00 - 101.00% of mass 174	73.30 (95.80)
177	5.00 - 9.00% of mass 176	5.10 (6.90)

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2561.D\T-8260.rslt\spectra.d

Injection Date: 23-Jun-2014 09:51:30

Spectrum: Tune Spec: Scans 566-568(4.94-4.95) Bgrd 555(4.87)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	704	56.00	1389	76.00	3015	96.00	4462
37.00	3529	57.00	2400	77.00	339	104.00	192
38.00	3524	60.00	736	79.00	2765	106.00	186
39.00	1411	61.00	3653	80.00	664	117.00	401
40.00	89	62.00	3400	81.00	2777	119.00	173
44.00	279	63.00	2841	82.00	520	141.00	732
45.00	796	68.00	7125	87.00	2603	143.00	916
47.00	750	69.00	7276	88.00	2512	173.00	268
48.00	371	70.00	613	92.00	2177	174.00	49912
49.00	3197	73.00	3156	93.00	3225	175.00	3981
50.00	14968	74.00	12458	94.00	8435	176.00	47808
51.00	4589	75.00	33808	95.00	65240	177.00	3310

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2592.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 23-Jun-2014 22:45:30 ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0033215-001
Operator ID: gtg Instrument ID: HP5975T
Method: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Jun-2014 02:25:33 Calib Date: 06-Jun-2014 22:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: goliszekg

Date: 24-Jun-2014 02:25:33

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

\$ 5 BFB	95	4.846	4.846	0.000	82	320378	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2592.D

Injection Date: 23-Jun-2014 22:45:30

Instrument ID: HP5975T

Lims ID: BFB

Client ID:

Operator ID: gtg

ALS Bottle#: 1 Worklist Smp#: 1

Purge Vol: 5.000 mL

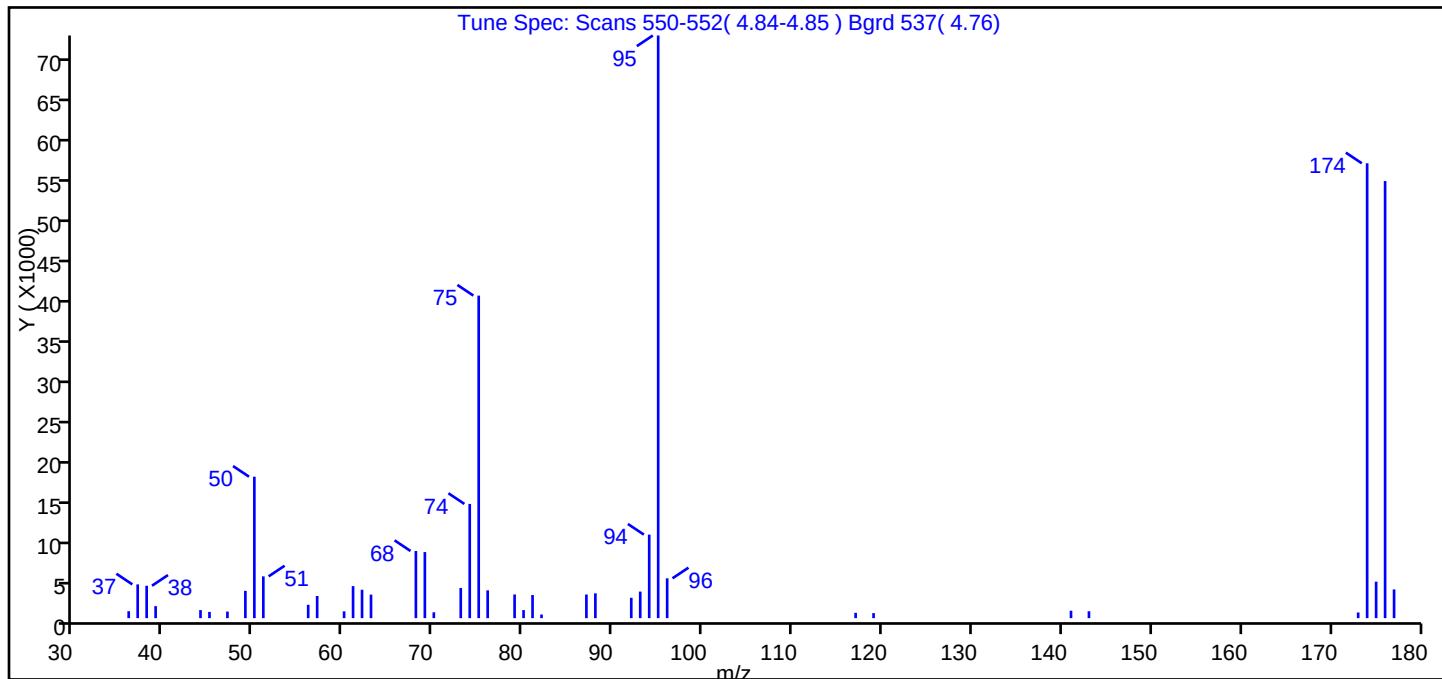
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.30
75	30.00 - 60.00% of mass 95	55.40
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	1.00 (1.30)
174	50.00 - 120.00% of mass 95	78.10
175	5.00 - 9.00% of mass 174	6.30 (8.00)
176	95.00 - 101.00% of mass 174	75.00 (96.10)
177	5.00 - 9.00% of mass 176	4.90 (6.60)

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2592.D\T-8260.rslt\spectra.d

Injection Date: 23-Jun-2014 22:45:30

Spectrum: Tune Spec: Scans 550-552(4.84-4.85) Bgrd 537(4.76)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	862	57.00	2758	76.00	3458	96.00	4956
37.00	4200	60.00	846	79.00	2945	117.00	663
38.00	4033	61.00	3985	80.00	1003	119.00	627
39.00	1494	62.00	3533	81.00	2877	141.00	924
44.00	1002	63.00	2929	82.00	450	143.00	857
45.00	775	68.00	8354	87.00	2941	173.00	708
47.00	817	69.00	8222	88.00	3089	174.00	56600
49.00	3398	70.00	728	92.00	2533	175.00	4539
50.00	17600	73.00	3752	93.00	3305	176.00	54392
51.00	5197	74.00	14213	94.00	10393	177.00	3574
56.00	1661	75.00	40136	95.00	72504		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2624.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 24-Jun-2014 10:53:30 ALS Bottle#: 33 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0033223-010
Operator ID: LH/CN Instrument ID: HP5975T
Method: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Jun-2014 11:21:53 Calib Date: 06-Jun-2014 22:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: manc

Date: 24-Jun-2014 11:21:53

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

\$ 5 BFB	95	4.870	4.870	0.000	82	322638	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2624.D

Injection Date: 24-Jun-2014 10:53:30

Instrument ID: HP5975T

Lims ID: BFB

Client ID:

Operator ID: LH/CN

ALS Bottle#: 33 Worklist Smp#: 10

Purge Vol: 5.000 mL

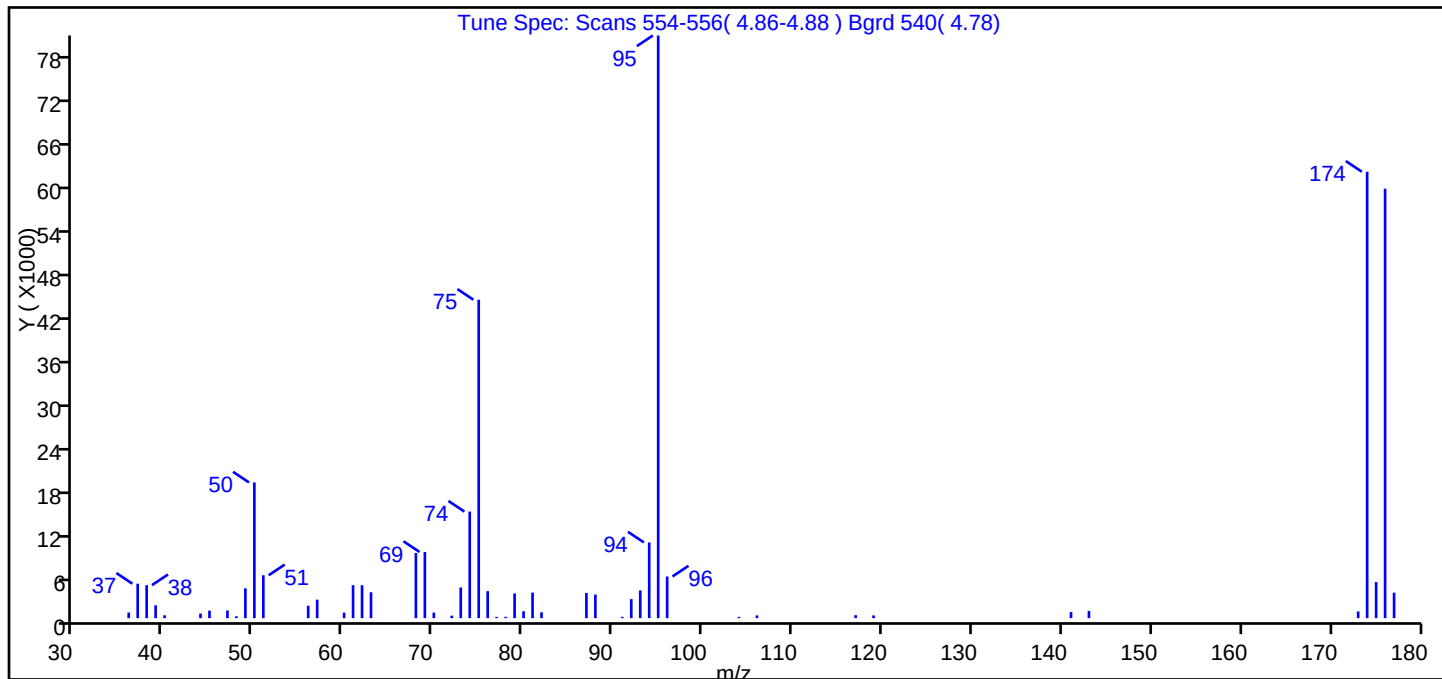
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.30
75	30.00 - 60.00% of mass 95	54.60
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	1.10 (1.50)
174	50.00 - 120.00% of mass 95	76.60
175	5.00 - 9.00% of mass 174	6.20 (8.10)
176	95.00 - 101.00% of mass 174	73.70 (96.20)
177	5.00 - 9.00% of mass 176	4.40 (5.90)

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2624.D\T-8260.rslt\spectra.d

Injection Date: 24-Jun-2014 10:53:30

Spectrum: Tune Spec: Scans 554-556(4.86-4.88) Bgrd 540(4.78)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	779	57.00	2564	77.00	169	96.00	5770
37.00	4774	60.00	768	78.00	186	104.00	181
38.00	4571	61.00	4561	79.00	3425	106.00	381
39.00	1781	62.00	4562	80.00	954	117.00	413
40.00	393	63.00	3588	81.00	3537	119.00	380
44.00	636	68.00	9029	82.00	815	141.00	854
45.00	1031	69.00	9165	87.00	3490	143.00	997
47.00	1063	70.00	775	88.00	3266	173.00	927
48.00	256	72.00	347	91.00	182	174.00	61832
49.00	4130	73.00	4247	92.00	2633	175.00	4993
50.00	18792	74.00	14759	93.00	3842	176.00	59488
51.00	5938	75.00	44104	94.00	10486	177.00	3528
56.00	1727	76.00	3738	95.00	80704		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-189279/8

Matrix: Water Lab File ID: T2569.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 13:29

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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.820	U	1.00	0.820
79-34-5	1,1,2,2-Tetrachloroethane	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.230	U	1.00	0.230
76-13-1	1,1,2-Trichlorotrifluoroethane	0.310	U	1.00	0.310
75-34-3	1,1-Dichloroethane	0.380	U	1.00	0.380
75-35-4	1,1-Dichloroethene	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.410	U	1.00	0.410
96-12-8	1,2-Dibromo-3-Chloropropane	0.390	U	1.00	0.390
106-93-4	1,2-Dibromoethane (EDB)	0.730	U	1.00	0.730
95-50-1	1,2-Dichlorobenzene	0.790	U	1.00	0.790
107-06-2	1,2-Dichloroethane	0.210	U	1.00	0.210
540-59-0	1,2-Dichloroethene, Total	0.810	U	2.00	0.810
78-87-5	1,2-Dichloropropane	0.720	U	1.00	0.720
541-73-1	1,3-Dichlorobenzene	0.780	U	1.00	0.780
106-46-7	1,4-Dichlorobenzene	0.840	U	1.00	0.840
78-93-3	2-Butanone (MEK)	1.32	U	10.0	1.32
591-78-6	2-Hexanone	1.24	U	5.00	1.24
108-10-1	4-Methyl-2-pentanone (MIBK)	2.10	U	5.00	2.10
67-64-1	Acetone	3.00	U	10.0	3.00
71-43-2	Benzene	0.410	U	1.00	0.410
75-27-4	Bromodichloromethane	0.390	U	1.00	0.390
75-25-2	Bromoform	0.260	U	1.00	0.260
74-83-9	Bromomethane	0.690	U	1.00	0.690
75-15-0	Carbon disulfide	0.190	U	1.00	0.190
56-23-5	Carbon tetrachloride	0.270	U	1.00	0.270
108-90-7	Chlorobenzene	0.750	U	1.00	0.750
124-48-1	Chlorodibromomethane	0.320	U	1.00	0.320
75-00-3	Chloroethane	0.320	U	1.00	0.320
67-66-3	Chloroform	0.340	U	1.00	0.340
74-87-3	Chloromethane	0.350	U	1.00	0.350
156-59-2	cis-1,2-Dichloroethene	0.810	U	1.00	0.810
10061-01-5	cis-1,3-Dichloropropene	0.360	U	1.00	0.360
110-82-7	Cyclohexane	0.180	U	1.00	0.180
75-71-8	Dichlorodifluoromethane	0.680	U	1.00	0.680
100-41-4	Ethylbenzene	0.740	U	1.00	0.740
98-82-8	Isopropylbenzene	0.790	U	1.00	0.790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-189279/8
 Matrix: Water Lab File ID: T2569.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 13:29
 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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.500	U	1.00	0.500
1634-04-4	Methyl tert-butyl ether	0.160	U	1.00	0.160
108-87-2	Methylcyclohexane	0.160	U	1.00	0.160
75-09-2	Methylene Chloride	0.440	U	1.00	0.440
100-42-5	Styrene	0.730	U	1.00	0.730
127-18-4	Tetrachloroethene	0.360	U	1.00	0.360
108-88-3	Toluene	0.510	U	1.00	0.510
156-60-5	trans-1,2-Dichloroethene	0.900	U	1.00	0.900
10061-02-6	trans-1,3-Dichloropropene	0.370	U	1.00	0.370
79-01-6	Trichloroethene	0.460	U	1.00	0.460
75-69-4	Trichlorofluoromethane	0.880	U	1.00	0.880
75-01-4	Vinyl chloride	0.900	U	1.00	0.900
1330-20-7	Xylenes, Total	0.660	U	2.00	0.660

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2569.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 23-Jun-2014 13:29:30 ALS Bottle#: 37 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0033200-008
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 04:00:30 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: manc

Date: 23-Jun-2014 13:48:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.336	0.000	98	496844	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	88	358481	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	97	167006	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	126357	25.0	24.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	162560	25.0	24.0	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	94	471307	25.0	24.6	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	87	128377	25.0	24.0	
11 Dichlorodifluoromethane	85		0.905					ND	
12 Chlorodifluoromethane	51		0.926					ND	
13 Chloromethane	50		1.019					ND	
14 Vinyl chloride	62		1.102					ND	
151 Butadiene	54		1.123					ND	
15 Bromomethane	94		1.320					ND	
16 Chloroethane	64		1.382					ND	
17 Trichlorofluoromethane	101		1.537					ND	
18 Dichlorofluoromethane	67		1.558					ND	
19 Ethyl ether	59		1.807					ND	
148 Ethanol	45		1.817					ND	
84 Propene oxide	58		1.869					ND	
21 Acrolein	56		1.962					ND	
22 1,1-Dichloroethene	96		1.962					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		1.962					ND	
24 Iodomethane	142		2.097					ND	
23 Acetone	43		2.118					ND	
25 Carbon disulfide	76		2.118					ND	
26 Isopropyl alcohol	45		2.294					ND	
27 3-Chloro-1-propene	41		2.304					ND	
28 Methyl acetate	43		2.377					ND	
29 Acetonitrile	40		2.387					ND	
30 Methylene Chloride	84		2.429					ND	
33 Methyl tert-butyl ether	73		2.636					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 trans-1,2-Dichloroethene	96		2.636					ND	
31 2-Methyl-2-propanol	59		2.657					ND	
34 Acrylonitrile	53		2.708					ND	
35 Hexane	57		2.802					ND	
36 1,1-Dichloroethane	63		2.999					ND	
37 Isopropyl ether	45		3.030					ND	
38 2-Chloro-1,3-butadiene	53		3.051					ND	
139 Halothane	117		3.061					ND	
39 Vinyl acetate	43		3.071					ND	
40 1,1-Dimethoxyethane	75		3.102					ND	
41 Tert-butyl ethyl ether	59		3.320					ND	
42 2,2-Dichloropropane	77		3.444					ND	
43 cis-1,2-Dichloroethene	96		3.475					ND	
44 2-Butanone (MEK)	43		3.537					ND	
45 Ethyl acetate	43		3.558					ND	
46 Propionitrile	54		3.620					ND	
47 Chlorobromomethane	128		3.672					ND	
48 Tetrahydrofuran	42		3.703					ND	
49 Methacrylonitrile	41		3.703					ND	
50 Chloroform	83		3.734					ND	
51 1,1,1-Trichloroethane	97		3.817					ND	
52 Cyclohexane	56		3.817					ND	
53 Carbon tetrachloride	117		3.931					ND	
54 1,1-Dichloropropene	75		3.942					ND	
55 Benzene	78		4.118					ND	
152 Isooctane	57		4.118					ND	
56 Isobutyl alcohol	43		4.180					ND	
57 1,2-Dichloroethane	62		4.180					ND	
58 Tert-amyl methyl ether	73		4.190					ND	
147 t-Amyl alcohol	59		4.222					ND	
59 n-Heptane	43		4.263					ND	
1 1,4-Difluorobenzene	114		4.429					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.522					ND	
60 Trichloroethene	95		4.605					ND	
61 n-Butanol	56		4.667					ND	
62 Methylcyclohexane	83		4.688					ND	
140 2,4,4-Trimethyl-2-pentene	97		4.709					ND	
142 Ethyl acrylate	55		4.729					ND	
63 1,2-Dichloropropane	63		4.802					ND	
64 Methyl methacrylate	41		4.895					ND	
65 Dibromomethane	93		4.905					ND	
66 1,4-Dioxane	88		4.937					ND	
67 Dichlorobromomethane	83		5.030					ND	
68 2-Nitropropane	43		5.237					ND	
69 2-Chloroethyl vinyl ether	63		5.258					ND	
70 Epichlorohydrin	57		5.330					ND	
71 cis-1,3-Dichloropropene	75		5.351					ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.475					ND	
73 Toluene	92		5.569					ND	
74 2-Methylthiophene	97		5.672					ND	
75 trans-1,3-Dichloropropene	75		5.786					ND	
76 3-Methylthiophene	97		5.797					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
77 Ethyl methacrylate	69		5.838					ND	
78 1,1,2-Trichloroethane	83		5.931					ND	
79 Tetrachloroethene	166		5.962					ND	
80 1,3-Dichloropropane	76		6.045					ND	
81 2-Hexanone	43		6.118					ND	
155 n-Butyl acetate	43		6.201					ND	
82 Chlorodibromomethane	129		6.222					ND	
83 Ethylene Dibromide	107		6.294					ND	
146 1-Chlorohexane	55	6.626	6.626	0.000	12	4227		-0.5236	
85 3-Chlorobenzotrifluoride	180		6.636					ND	
86 Chlorobenzene	112		6.657					ND	
87 4-Chlorobenzotrifluoride	180		6.688					ND	
89 1,1,1,2-Tetrachloroethane	131		6.729					ND	
88 Ethylbenzene	91		6.729					ND	
90 m-Xylene & p-Xylene	106		6.812					ND	
91 o-Xylene	106		7.133					ND	
92 Styrene	104		7.154					ND	
93 Bromoform	173		7.330					ND	
94 2-Chlorobenzotrifluoride	180		7.362					ND	
95 Isopropylbenzene	105		7.413					ND	
96 Cyclohexanone	55		7.558					ND	
97 Bromobenzene	156		7.683					ND	
98 1,1,2,2-Tetrachloroethane	83		7.724					ND	
99 N-Propylbenzene	91		7.745					ND	
100 1,2,3-Trichloropropane	110		7.755					ND	
101 trans-1,4-Dichloro-2-buten	53		7.766					ND	
105 2-Chlorotoluene	126		7.828					ND	
103 3-Chlorotoluene	126		7.880					ND	
104 1,3,5-Trimethylbenzene	105		7.890					ND	
102 4-Chlorotoluene	91		7.911					ND	
106 tert-Butylbenzene	134		8.149					ND	
107 1,2,4-Trimethylbenzene	105		8.190					ND	
108 Pentachloroethane	167		8.191					ND	
109 sec-Butylbenzene	105		8.325					ND	
110 1,3-Dichlorobenzene	146		8.429					ND	
111 4-Isopropyltoluene	119		8.450					ND	
112 Dicyclopentadiene	66		8.481					ND	
113 1,4-Dichlorobenzene	146		8.512					ND	
114 1,2,3-Trimethylbenzene	105		8.533					ND	
150 Benzyl chloride	126		8.636					ND	
115 n-Butylbenzene	91		8.781					ND	
116 1,2-Dichlorobenzene	146		8.812					ND	
117 1,2-Dibromo-3-Chloropropan	75		9.486					ND	
118 1,3,5-Trichlorobenzene	180		9.600					ND	
119 1,2,4-Trichlorobenzene	180		10.118					ND	
120 Hexachlorobutadiene	225		10.232					ND	
121 Naphthalene	128		10.336					ND	
122 1,2,3-Trichlorobenzene	180		10.533					ND	
149 2-Methylnaphthalene	142		11.237					ND	
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					0	
S 124 1,2-Dichloroethene, Total	1		30.000					0	
S 125 Total BTEX	1		30.000					0	
S 126 Xylenes, Total	1		30.000					0	
T 131 tert-amyl alcohol TIC	1		0.000					0	
T 130 Bromoethane TIC	1		0.000					0	
T 132 bis(chloromethyl)ether TIC	1		0.000					0	
T 134 1-Bromopropane	1		0.000					0	
T 133 Pentachloroethane TIC	1		0.000					0	
T 129 Aziridine TIC	1		0.000					0	
T 128 Hexachloroethane TIC	117		0.000					0	
T 127 Ethanol TIC	1		0.000					0	
T 9 bis(2-chloromethyl)ether T	1		0.000					0	
T 10 Ethylene oxide	1		0.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2569.D

Injection Date: 23-Jun-2014 13:29:30

Instrument ID: HP5975T

Operator ID: LH/CN

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

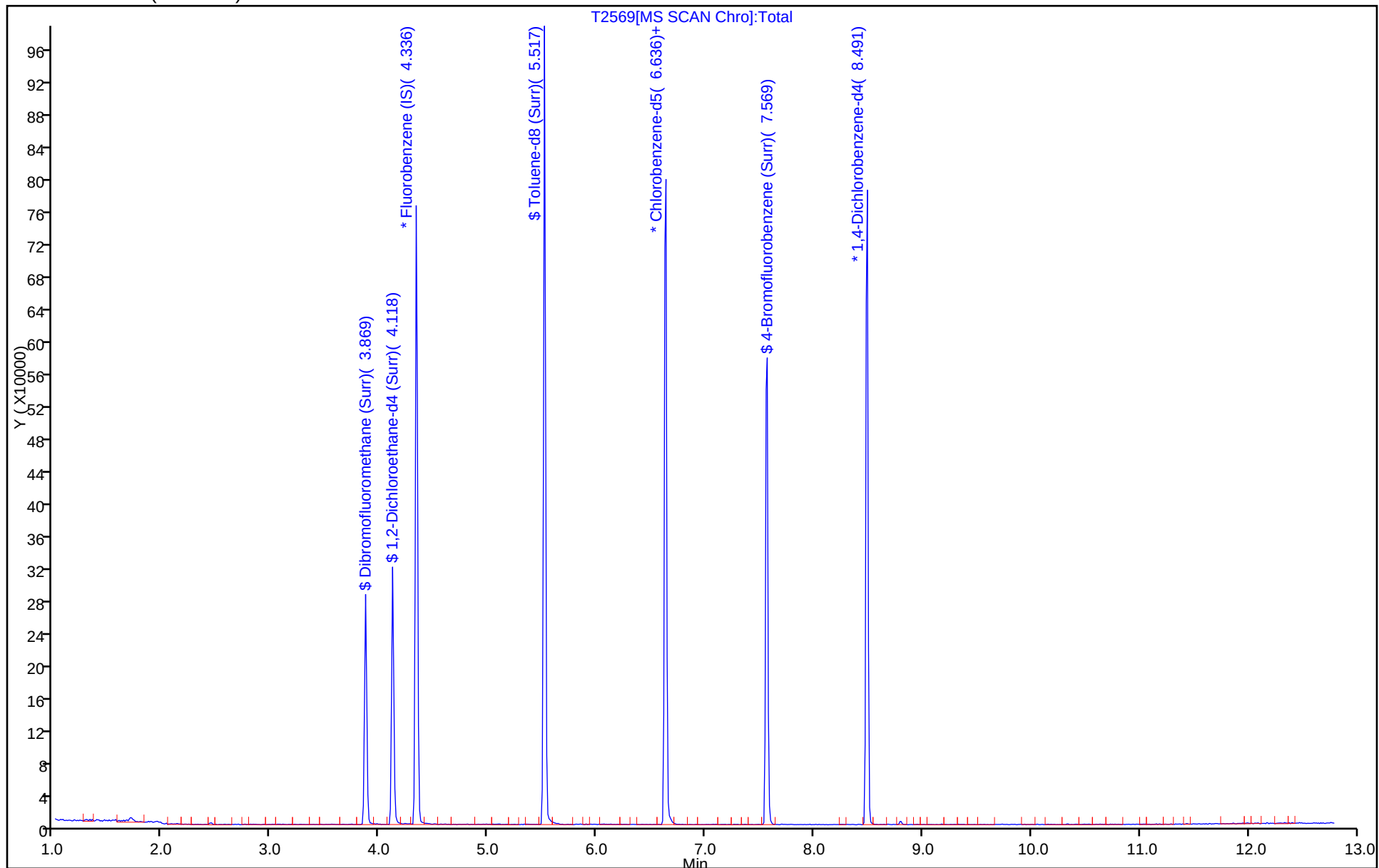
Dil. Factor: 1.0000

ALS Bottle#: 37

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-189394/8

Matrix: Water Lab File ID: T2598.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 01:09

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.: 189394 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.820	U	1.00	0.820
79-34-5	1,1,2,2-Tetrachloroethane	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.230	U	1.00	0.230
76-13-1	1,1,2-Trichlorotrifluoroethane	0.310	U	1.00	0.310
75-34-3	1,1-Dichloroethane	0.380	U	1.00	0.380
75-35-4	1,1-Dichloroethene	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.410	U	1.00	0.410
96-12-8	1,2-Dibromo-3-Chloropropane	0.390	U	1.00	0.390
106-93-4	1,2-Dibromoethane (EDB)	0.730	U	1.00	0.730
95-50-1	1,2-Dichlorobenzene	0.790	U	1.00	0.790
107-06-2	1,2-Dichloroethane	0.210	U	1.00	0.210
540-59-0	1,2-Dichloroethene, Total	0.810	U	2.00	0.810
78-87-5	1,2-Dichloropropane	0.720	U	1.00	0.720
541-73-1	1,3-Dichlorobenzene	0.780	U	1.00	0.780
106-46-7	1,4-Dichlorobenzene	0.840	U	1.00	0.840
78-93-3	2-Butanone (MEK)	1.32	U	10.0	1.32
591-78-6	2-Hexanone	1.24	U	5.00	1.24
108-10-1	4-Methyl-2-pentanone (MIBK)	2.10	U	5.00	2.10
67-64-1	Acetone	3.00	U	10.0	3.00
71-43-2	Benzene	0.410	U	1.00	0.410
75-27-4	Bromodichloromethane	0.390	U	1.00	0.390
75-25-2	Bromoform	0.260	U	1.00	0.260
74-83-9	Bromomethane	0.690	U	1.00	0.690
75-15-0	Carbon disulfide	0.190	U	1.00	0.190
56-23-5	Carbon tetrachloride	0.270	U	1.00	0.270
108-90-7	Chlorobenzene	0.750	U	1.00	0.750
124-48-1	Chlorodibromomethane	0.320	U	1.00	0.320
75-00-3	Chloroethane	0.320	U	1.00	0.320
67-66-3	Chloroform	0.340	U	1.00	0.340
74-87-3	Chloromethane	0.350	U	1.00	0.350
156-59-2	cis-1,2-Dichloroethene	0.810	U	1.00	0.810
10061-01-5	cis-1,3-Dichloropropene	0.360	U	1.00	0.360
110-82-7	Cyclohexane	0.180	U	1.00	0.180
75-71-8	Dichlorodifluoromethane	0.680	U	1.00	0.680
100-41-4	Ethylbenzene	0.740	U	1.00	0.740
98-82-8	Isopropylbenzene	0.790	U	1.00	0.790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-189394/8
 Matrix: Water Lab File ID: T2598.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 01:09
 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.: 189394 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.500	U	1.00	0.500
1634-04-4	Methyl tert-butyl ether	0.160	U	1.00	0.160
108-87-2	Methylcyclohexane	0.160	U	1.00	0.160
75-09-2	Methylene Chloride	0.440	U	1.00	0.440
100-42-5	Styrene	0.730	U	1.00	0.730
127-18-4	Tetrachloroethene	0.360	U	1.00	0.360
108-88-3	Toluene	0.510	U	1.00	0.510
156-60-5	trans-1,2-Dichloroethene	0.900	U	1.00	0.900
10061-02-6	trans-1,3-Dichloropropene	0.370	U	1.00	0.370
79-01-6	Trichloroethene	0.460	U	1.00	0.460
75-69-4	Trichlorofluoromethane	0.880	U	1.00	0.880
75-01-4	Vinyl chloride	0.900	U	1.00	0.900
1330-20-7	Xylenes, Total	0.660	U	2.00	0.660

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2598.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 24-Jun-2014 01:09:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IBLK
 Misc. Info.: 480-0033215-007
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 02:30:44 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK052

First Level Reviewer: goliszekg

Date: 24-Jun-2014 01:30:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.335	0.001	98	465515	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	88	345623	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	97	161797	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	117891	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	154190	25.0	24.3	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	95	458114	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	87	124023	25.0	24.1	
11 Dichlorodifluoromethane	85		0.905					ND	
12 Chlorodifluoromethane	51		0.926					ND	
13 Chloromethane	50		1.019					ND	
14 Vinyl chloride	62		1.102					ND	
151 Butadiene	54		1.123					ND	
15 Bromomethane	94		1.320					ND	
16 Chloroethane	64		1.392					ND	
17 Trichlorofluoromethane	101		1.558					ND	
18 Dichlorofluoromethane	67		1.558					ND	
19 Ethyl ether	59		1.797					ND	
148 Ethanol	45		1.817					ND	
84 Propene oxide	58		1.869					ND	
21 Acrolein	56		1.952					ND	
22 1,1-Dichloroethene	96		1.962					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		1.973					ND	
23 Acetone	43		2.107					ND	
24 Iodomethane	142		2.107					ND	
25 Carbon disulfide	76		2.128					ND	
26 Isopropyl alcohol	45		2.294					ND	
27 3-Chloro-1-propene	41		2.304					ND	
28 Methyl acetate	43		2.367					ND	
29 Acetonitrile	40		2.387					ND	
30 Methylene Chloride	84		2.439					ND	
33 Methyl tert-butyl ether	73		2.636					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 trans-1,2-Dichloroethene	96		2.636					ND	
31 2-Methyl-2-propanol	59		2.636					ND	
34 Acrylonitrile	53		2.708					ND	
35 Hexane	57		2.802					ND	
36 1,1-Dichloroethane	63		2.999					ND	
37 Isopropyl ether	45		3.030					ND	
38 2-Chloro-1,3-butadiene	53		3.050					ND	
139 Halothane	117		3.061					ND	
39 Vinyl acetate	43		3.071					ND	
40 1,1-Dimethoxyethane	75		3.102					ND	
41 Tert-butyl ethyl ether	59		3.320					ND	
42 2,2-Dichloropropane	77		3.444					ND	
43 cis-1,2-Dichloroethene	96		3.475					ND	
44 2-Butanone (MEK)	43		3.527					ND	
45 Ethyl acetate	43		3.558					ND	
46 Propionitrile	54		3.620					ND	
47 Chlorobromomethane	128		3.672					ND	
49 Methacrylonitrile	41		3.703					ND	
48 Tetrahydrofuran	42		3.703					ND	
50 Chloroform	83		3.734					ND	
51 1,1,1-Trichloroethane	97		3.817					ND	
52 Cyclohexane	56		3.817					ND	
53 Carbon tetrachloride	117		3.931					ND	
54 1,1-Dichloropropene	75		3.942					ND	
152 Isooctane	57		4.118					ND	
55 Benzene	78		4.118					ND	
57 1,2-Dichloroethane	62		4.170					ND	
56 Isobutyl alcohol	43		4.170					ND	
58 Tert-amyl methyl ether	73		4.190					ND	
147 t-Amyl alcohol	59		4.221					ND	
59 n-Heptane	43		4.263					ND	
1 1,4-Difluorobenzene	114		4.429					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.522					ND	
60 Trichloroethene	95		4.605					ND	
61 n-Butanol	56		4.667					ND	
62 Methylcyclohexane	83		4.688					ND	
140 2,4,4-Trimethyl-2-pentene	97		4.709					ND	
142 Ethyl acrylate	55		4.729					ND	
63 1,2-Dichloropropane	63		4.802					ND	
64 Methyl methacrylate	41		4.895					ND	
65 Dibromomethane	93		4.895					ND	
66 1,4-Dioxane	88		4.926					ND	
67 Dichlorobromomethane	83		5.019					ND	
68 2-Nitropropane	43		5.237					ND	
69 2-Chloroethyl vinyl ether	63		5.258					ND	
70 Epichlorohydrin	57		5.330					ND	
71 cis-1,3-Dichloropropene	75		5.351					ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.475					ND	
73 Toluene	92		5.569					ND	
74 2-Methylthiophene	97		5.672					ND	
75 trans-1,3-Dichloropropene	75		5.786					ND	
76 3-Methylthiophene	97		5.797					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
77 Ethyl methacrylate	69		5.838					ND	
78 1,1,2-Trichloroethane	83		5.931					ND	
79 Tetrachloroethene	166		5.962					ND	
80 1,3-Dichloropropane	76		6.045					ND	
81 2-Hexanone	43		6.118					ND	
155 n-Butyl acetate	43		6.201					ND	
82 Chlorodibromomethane	129		6.222					ND	
83 Ethylene Dibromide	107		6.294					ND	
146 1-Chlorohexane	55		6.626					ND	
85 3-Chlorobenzotrifluoride	180		6.636					ND	
86 Chlorobenzene	112		6.657					ND	
87 4-Chlorobenzotrifluoride	180		6.688					ND	
89 1,1,1,2-Tetrachloroethane	131		6.729					ND	
88 Ethylbenzene	91		6.729					ND	
90 m-Xylene & p-Xylene	106		6.823					ND	
91 o-Xylene	106		7.134					ND	
92 Styrene	104		7.154					ND	
93 Bromoform	173		7.330					ND	
94 2-Chlorobenzotrifluoride	180		7.361					ND	
95 Isopropylbenzene	105		7.413					ND	
96 Cyclohexanone	55		7.558					ND	
97 Bromobenzene	156		7.672					ND	
98 1,1,2,2-Tetrachloroethane	83		7.724					ND	
99 N-Propylbenzene	91		7.745					ND	
100 1,2,3-Trichloropropane	110		7.755					ND	
101 trans-1,4-Dichloro-2-buten	53		7.766					ND	
105 2-Chlorotoluene	126		7.828					ND	
103 3-Chlorotoluene	126		7.880					ND	
104 1,3,5-Trimethylbenzene	105		7.890					ND	
102 4-Chlorotoluene	91		7.911					ND	
106 tert-Butylbenzene	134		8.149					ND	
108 Pentachloroethane	167		8.190					ND	
107 1,2,4-Trimethylbenzene	105		8.191					ND	
109 sec-Butylbenzene	105		8.325					ND	
110 1,3-Dichlorobenzene	146		8.429					ND	
111 4-Isopropyltoluene	119		8.450					ND	
112 Dicyclopentadiene	66		8.481					ND	
113 1,4-Dichlorobenzene	146		8.501					ND	
114 1,2,3-Trimethylbenzene	105		8.532					ND	
150 Benzyl chloride	126		8.636					ND	
115 n-Butylbenzene	91		8.781					ND	
116 1,2-Dichlorobenzene	146		8.812					ND	
117 1,2-Dibromo-3-Chloropropan	75		9.486					ND	
118 1,3,5-Trichlorobenzene	180		9.600					ND	
119 1,2,4-Trichlorobenzene	180		10.118					ND	
120 Hexachlorobutadiene	225		10.232					ND	
121 Naphthalene	128		10.336					ND	
122 1,2,3-Trichlorobenzene	180		10.533					ND	
149 2-Methylnaphthalene	142		11.237					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/L	OnCol Amt ug/L	Flags
135 Hexachloroethane	117		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
S 125 Total BTEX	1		30.000					0	
S 126 Xylenes, Total	1		30.000					0	
S 123 1,3-Dichloropropene, Total	1		30.000					0	
S 124 1,2-Dichloroethene, Total	1		30.000					0	
T 128 Hexachloroethane TIC	117		0.000					0	
T 129 Aziridine TIC	1		0.000					0	
T 127 Ethanol TIC	1		0.000					0	
T 10 Ethylene oxide	1		0.000					0	
T 9 bis(2-chloromethyl)ether T	1		0.000					0	
T 130 Bromoethane TIC	1		0.000					0	
T 131 tert-amyl alcohol TIC	1		0.000					0	
T 132 bis(chloromethyl)ether TIC	1		0.000					0	
T 133 Pentachloroethane TIC	1		0.000					0	
T 134 1-Bromopropane	1		0.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2598.D

Injection Date: 24-Jun-2014 01:09:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

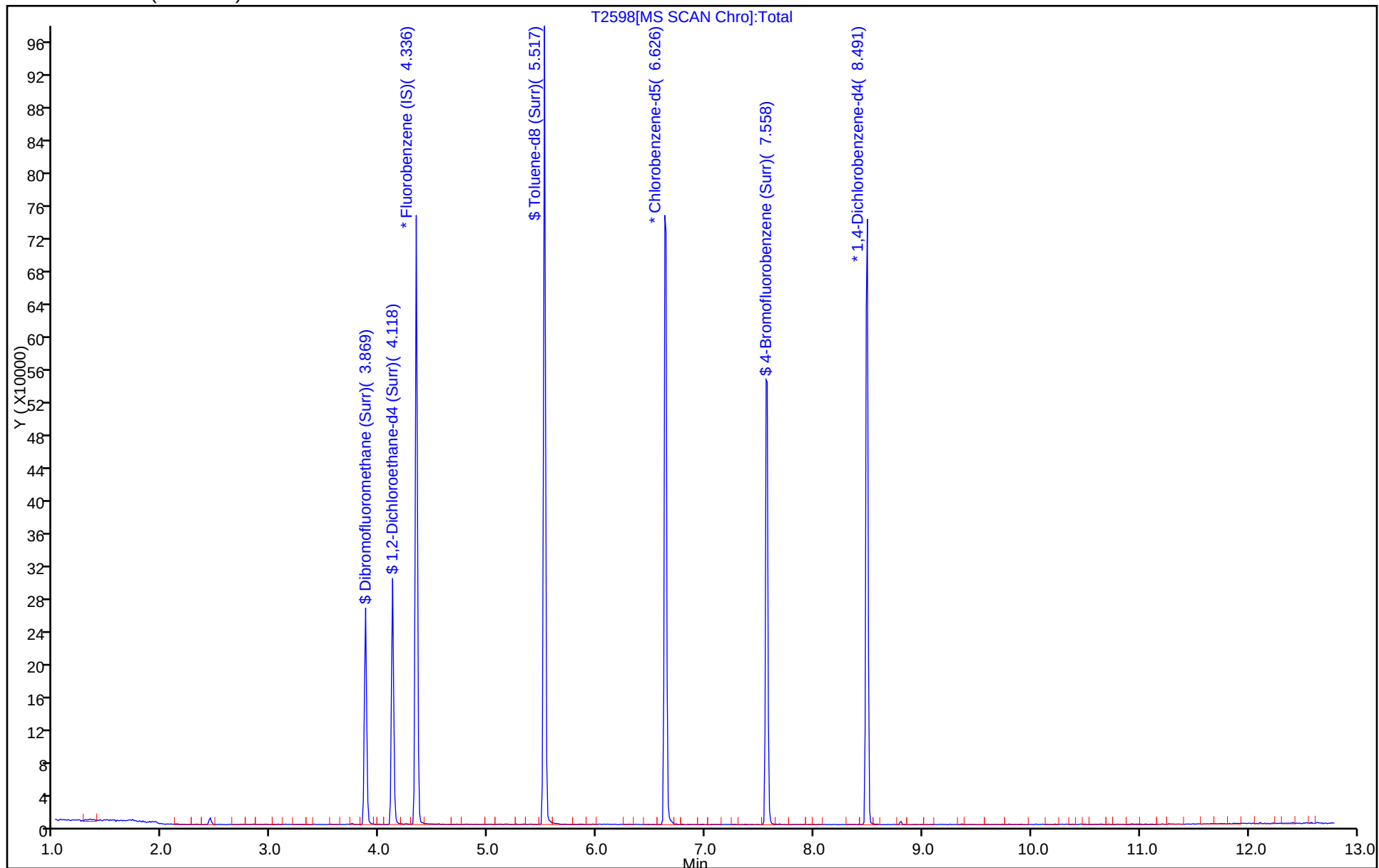
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-189443/8

Matrix: Water Lab File ID: T2630.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 13:42

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 189443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.820	U	1.00	0.820
79-34-5	1,1,2,2-Tetrachloroethane	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.230	U	1.00	0.230
76-13-1	1,1,2-Trichlorotrifluoroethane	0.310	U	1.00	0.310
75-34-3	1,1-Dichloroethane	0.380	U	1.00	0.380
75-35-4	1,1-Dichloroethene	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.410	U	1.00	0.410
96-12-8	1,2-Dibromo-3-Chloropropane	0.390	U	1.00	0.390
106-93-4	1,2-Dibromoethane (EDB)	0.730	U	1.00	0.730
95-50-1	1,2-Dichlorobenzene	0.790	U	1.00	0.790
107-06-2	1,2-Dichloroethane	0.210	U	1.00	0.210
540-59-0	1,2-Dichloroethene, Total	0.810	U	2.00	0.810
78-87-5	1,2-Dichloropropane	0.720	U	1.00	0.720
541-73-1	1,3-Dichlorobenzene	0.780	U	1.00	0.780
106-46-7	1,4-Dichlorobenzene	0.840	U	1.00	0.840
78-93-3	2-Butanone (MEK)	1.32	U	10.0	1.32
591-78-6	2-Hexanone	1.24	U	5.00	1.24
108-10-1	4-Methyl-2-pentanone (MIBK)	2.10	U	5.00	2.10
67-64-1	Acetone	3.00	U	10.0	3.00
71-43-2	Benzene	0.410	U	1.00	0.410
75-27-4	Bromodichloromethane	0.390	U	1.00	0.390
75-25-2	Bromoform	0.260	U	1.00	0.260
74-83-9	Bromomethane	0.690	U	1.00	0.690
75-15-0	Carbon disulfide	0.190	U	1.00	0.190
56-23-5	Carbon tetrachloride	0.270	U	1.00	0.270
108-90-7	Chlorobenzene	0.750	U	1.00	0.750
124-48-1	Chlorodibromomethane	0.320	U	1.00	0.320
75-00-3	Chloroethane	0.320	U	1.00	0.320
67-66-3	Chloroform	0.340	U	1.00	0.340
74-87-3	Chloromethane	0.350	U	1.00	0.350
156-59-2	cis-1,2-Dichloroethene	0.810	U	1.00	0.810
10061-01-5	cis-1,3-Dichloropropene	0.360	U	1.00	0.360
110-82-7	Cyclohexane	0.180	U	1.00	0.180
75-71-8	Dichlorodifluoromethane	0.680	U	1.00	0.680
100-41-4	Ethylbenzene	0.740	U	1.00	0.740
98-82-8	Isopropylbenzene	0.790	U	1.00	0.790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-189443/8
 Matrix: Water Lab File ID: T2630.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 13:42
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 189443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.500	U	1.00	0.500
1634-04-4	Methyl tert-butyl ether	0.160	U	1.00	0.160
108-87-2	Methylcyclohexane	0.160	U	1.00	0.160
75-09-2	Methylene Chloride	0.440	U	1.00	0.440
100-42-5	Styrene	0.730	U	1.00	0.730
127-18-4	Tetrachloroethene	0.360	U	1.00	0.360
108-88-3	Toluene	0.510	U	1.00	0.510
156-60-5	trans-1,2-Dichloroethene	0.900	U	1.00	0.900
10061-02-6	trans-1,3-Dichloropropene	0.370	U	1.00	0.370
79-01-6	Trichloroethene	0.460	U	1.00	0.460
75-69-4	Trichlorofluoromethane	0.880	U	1.00	0.880
75-01-4	Vinyl chloride	0.900	U	1.00	0.900
1330-20-7	Xylenes, Total	0.660	U	2.00	0.660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		66-137
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		60-140
2037-26-5	Toluene-d8 (Surr)	97		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2630.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 24-Jun-2014 13:42:30 ALS Bottle#: 39 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0033223-008
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 13:57:56 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: manc

Date: 24-Jun-2014 13:57:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.335	0.001	98	463532	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	87	355426	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	97	161055	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	122958	25.0	25.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	159571	25.0	25.3	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	95	459682	25.0	24.2	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	87	118594	25.0	22.4	
11 Dichlorodifluoromethane	85		0.905					ND	
12 Chlorodifluoromethane	51		0.926					ND	
13 Chloromethane	50		1.019					ND	
14 Vinyl chloride	62		1.102					ND	
151 Butadiene	54		1.123					ND	
15 Bromomethane	94		1.320					ND	
16 Chloroethane	64		1.382					ND	
17 Trichlorofluoromethane	101		1.537					ND	
18 Dichlorofluoromethane	67		1.558					ND	
19 Ethyl ether	59		1.807					ND	
148 Ethanol	45		1.817					ND	
84 Propene oxide	58		1.869					ND	
21 Acrolein	56		1.962					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		1.962					ND	
22 1,1-Dichloroethene	96		1.962					ND	
24 Iodomethane	142		2.097					ND	
23 Acetone	43		2.118					ND	
25 Carbon disulfide	76		2.128					ND	
26 Isopropyl alcohol	45		2.294					ND	
27 3-Chloro-1-propene	41		2.304					ND	
28 Methyl acetate	43		2.377					ND	
29 Acetonitrile	40		2.387					ND	
30 Methylene Chloride	84		2.439					ND	
32 trans-1,2-Dichloroethene	96		2.636					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73		2.646					ND	
31 2-Methyl-2-propanol	59		2.657					ND	
34 Acrylonitrile	53		2.708					ND	
35 Hexane	57		2.802					ND	
36 1,1-Dichloroethane	63		2.999					ND	
37 Isopropyl ether	45		3.030					ND	
38 2-Chloro-1,3-butadiene	53		3.050					ND	
139 Halothane	117		3.061					ND	
39 Vinyl acetate	43		3.071					ND	
40 1,1-Dimethoxyethane	75		3.102					ND	
41 Tert-butyl ethyl ether	59		3.320					ND	
42 2,2-Dichloropropane	77		3.444					ND	
43 cis-1,2-Dichloroethene	96		3.475					ND	
44 2-Butanone (MEK)	43		3.538					ND	
45 Ethyl acetate	43		3.558					ND	
46 Propionitrile	54		3.620					ND	
47 Chlorobromomethane	128		3.672					ND	
49 Methacrylonitrile	41		3.703					ND	
48 Tetrahydrofuran	42		3.703					ND	
50 Chloroform	83		3.734					ND	
52 Cyclohexane	56		3.817					ND	
51 1,1,1-Trichloroethane	97		3.817					ND	
53 Carbon tetrachloride	117		3.931					ND	
54 1,1-Dichloropropene	75		3.942					ND	
152 Isooctane	57		4.118					ND	
55 Benzene	78		4.118					ND	
56 Isobutyl alcohol	43		4.180					ND	
57 1,2-Dichloroethane	62		4.180					ND	
58 Tert-amyl methyl ether	73		4.190					ND	
147 t-Amyl alcohol	59		4.211					ND	
59 n-Heptane	43		4.263					ND	
1 1,4-Difluorobenzene	114		4.429					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.522					ND	
60 Trichloroethene	95		4.605					ND	
61 n-Butanol	56		4.667					ND	
62 Methylcyclohexane	83		4.688					ND	
140 2,4,4-Trimethyl-2-pentene	97		4.709					ND	
142 Ethyl acrylate	55		4.729					ND	
63 1,2-Dichloropropane	63		4.802					ND	
64 Methyl methacrylate	41		4.895					ND	
65 Dibromomethane	93		4.895					ND	
66 1,4-Dioxane	88		4.937					ND	
67 Dichlorobromomethane	83		5.030					ND	
68 2-Nitropropane	43		5.237					ND	
69 2-Chloroethyl vinyl ether	63		5.258					ND	
70 Epichlorohydrin	57		5.320					ND	
71 cis-1,3-Dichloropropene	75		5.351					ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.475					ND	
73 Toluene	92		5.569					ND	
74 2-Methylthiophene	97		5.672					ND	
75 trans-1,3-Dichloropropene	75		5.786					ND	
76 3-Methylthiophene	97		5.797					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
77 Ethyl methacrylate	69		5.838					ND	
78 1,1,2-Trichloroethane	83		5.931					ND	
79 Tetrachloroethene	166		5.962					ND	
80 1,3-Dichloropropane	76		6.045					ND	
81 2-Hexanone	43		6.118					ND	
155 n-Butyl acetate	43		6.201					ND	
82 Chlorodibromomethane	129		6.222					ND	
83 Ethylene Dibromide	107		6.294					ND	
146 1-Chlorohexane	55		6.626					ND	
85 3-Chlorobenzotrifluoride	180		6.636					ND	
86 Chlorobenzene	112		6.657					ND	
87 4-Chlorobenzotrifluoride	180		6.688					ND	
89 1,1,1,2-Tetrachloroethane	131		6.729					ND	
88 Ethylbenzene	91		6.729					ND	
90 m-Xylene & p-Xylene	106		6.823					ND	
91 o-Xylene	106		7.133					ND	
92 Styrene	104		7.154					ND	
93 Bromoform	173		7.330					ND	
94 2-Chlorobenzotrifluoride	180		7.361					ND	
95 Isopropylbenzene	105		7.413					ND	
96 Cyclohexanone	55		7.558					ND	
97 Bromobenzene	156		7.672					ND	
98 1,1,2,2-Tetrachloroethane	83		7.724					ND	
99 N-Propylbenzene	91		7.745					ND	
100 1,2,3-Trichloropropane	110		7.755					ND	
101 trans-1,4-Dichloro-2-buten	53		7.766					ND	
105 2-Chlorotoluene	126		7.828					ND	
103 3-Chlorotoluene	126		7.880					ND	
104 1,3,5-Trimethylbenzene	105		7.890					ND	
102 4-Chlorotoluene	91		7.911					ND	
106 tert-Butylbenzene	134		8.149					ND	
108 Pentachloroethane	167		8.190					ND	
107 1,2,4-Trimethylbenzene	105		8.191					ND	
109 sec-Butylbenzene	105		8.325					ND	
110 1,3-Dichlorobenzene	146		8.429					ND	
111 4-Isopropyltoluene	119		8.450					ND	
112 Dicyclopentadiene	66		8.481					ND	
113 1,4-Dichlorobenzene	146		8.512					ND	
114 1,2,3-Trimethylbenzene	105		8.532					ND	
150 Benzyl chloride	126		8.646					ND	
115 n-Butylbenzene	91		8.781					ND	
116 1,2-Dichlorobenzene	146		8.812					ND	
117 1,2-Dibromo-3-Chloropropan	75		9.486					ND	
118 1,3,5-Trichlorobenzene	180		9.600					ND	
119 1,2,4-Trichlorobenzene	180		10.118					ND	
120 Hexachlorobutadiene	225		10.232					ND	
121 Naphthalene	128		10.336					ND	
122 1,2,3-Trichlorobenzene	180		10.533					ND	
149 2-Methylnaphthalene	142		11.237					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/L	OnCol Amt ug/L	Flags
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					0	
S 124 1,2-Dichloroethene, Total	1		30.000					0	
S 125 Total BTEX	1		30.000					0	
S 126 Xylenes, Total	1		30.000					0	
T 131 tert-amyl alcohol TIC	1		0.000					0	
T 130 Bromoethane TIC	1		0.000					0	
T 132 bis(chloromethyl)ether TIC	1		0.000					0	
T 134 1-Bromopropane	1		0.000					0	
T 133 Pentachloroethane TIC	1		0.000					0	
T 129 Aziridine TIC	1		0.000					0	
T 128 Hexachloroethane TIC	117		0.000					0	
T 127 Ethanol TIC	1		0.000					0	
T 9 bis(2-chloromethyl)ether T	1		0.000					0	
T 10 Ethylene oxide	1		0.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2630.D

Injection Date: 24-Jun-2014 13:42:30

Instrument ID: HP5975T

Operator ID: LH/CN

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

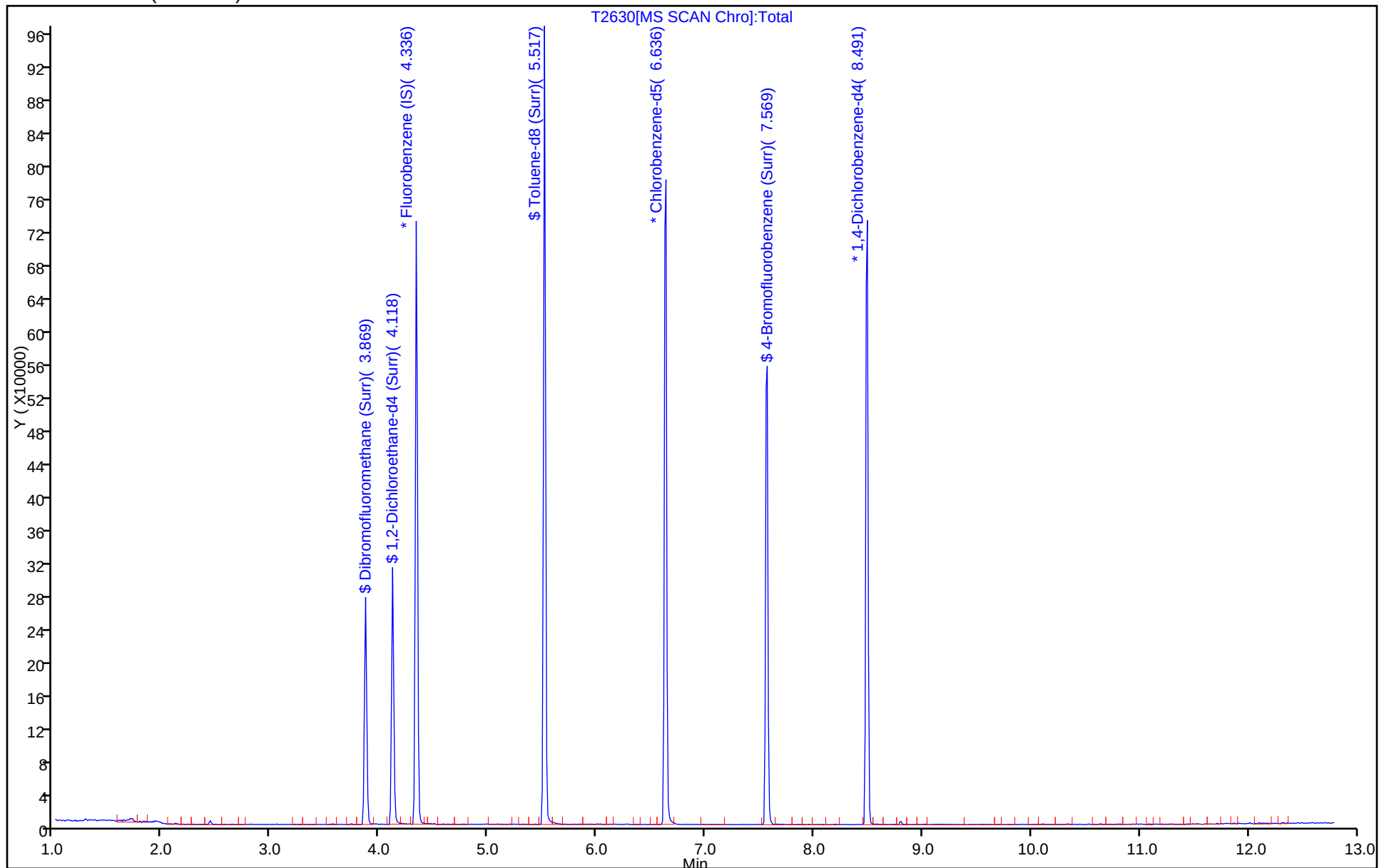
Dil. Factor: 1.0000

ALS Bottle#: 39

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-189279/31

Matrix: Water Lab File ID: T2566.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 12:24

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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.23		1.00	0.820
79-34-5	1,1,2,2-Tetrachloroethane	23.48		1.00	0.210
79-00-5	1,1,2-Trichloroethane	23.97		1.00	0.230
76-13-1	1,1,2-Trichlorotrifluoroethane	22.53		1.00	0.310
75-34-3	1,1-Dichloroethane	25.50		1.00	0.380
75-35-4	1,1-Dichloroethene	23.98		1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	24.90		1.00	0.410
96-12-8	1,2-Dibromo-3-Chloropropane	19.62		1.00	0.390
106-93-4	1,2-Dibromoethane (EDB)	24.26		1.00	0.730
95-50-1	1,2-Dichlorobenzene	25.67		1.00	0.790
107-06-2	1,2-Dichloroethane	24.43		1.00	0.210
540-59-0	1,2-Dichloroethene, Total	51.43		2.00	0.810
78-87-5	1,2-Dichloropropane	25.23		1.00	0.720
541-73-1	1,3-Dichlorobenzene	25.90		1.00	0.780
106-46-7	1,4-Dichlorobenzene	25.09		1.00	0.840
78-93-3	2-Butanone (MEK)	107.4		10.0	1.32
591-78-6	2-Hexanone	116.4		5.00	1.24
108-10-1	4-Methyl-2-pentanone (MIBK)	113.7		5.00	2.10
67-64-1	Acetone	114.6		10.0	3.00
71-43-2	Benzene	25.33		1.00	0.410
75-27-4	Bromodichloromethane	23.77		1.00	0.390
75-25-2	Bromoform	22.12		1.00	0.260
74-83-9	Bromomethane	32.99		1.00	0.690
75-15-0	Carbon disulfide	23.34		1.00	0.190
56-23-5	Carbon tetrachloride	23.82		1.00	0.270
108-90-7	Chlorobenzene	25.67		1.00	0.750
124-48-1	Chlorodibromomethane	23.02		1.00	0.320
75-00-3	Chloroethane	23.87		1.00	0.320
67-66-3	Chloroform	25.27		1.00	0.340
74-87-3	Chloromethane	23.01		1.00	0.350
156-59-2	cis-1,2-Dichloroethene	25.36		1.00	0.810
10061-01-5	cis-1,3-Dichloropropene	24.40		1.00	0.360
110-82-7	Cyclohexane	23.00		1.00	0.180
75-71-8	Dichlorodifluoromethane	19.42		1.00	0.680
100-41-4	Ethylbenzene	25.18		1.00	0.740
98-82-8	Isopropylbenzene	25.26		1.00	0.790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-189279/31
 Matrix: Water Lab File ID: T2566.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 12:24
 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.: 189279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	109.9		1.00	0.500
1634-04-4	Methyl tert-butyl ether	24.11		1.00	0.160
108-87-2	Methylcyclohexane	22.84		1.00	0.160
75-09-2	Methylene Chloride	26.89		1.00	0.440
100-42-5	Styrene	26.12		1.00	0.730
127-18-4	Tetrachloroethene	24.00		1.00	0.360
108-88-3	Toluene	25.39		1.00	0.510
156-60-5	trans-1,2-Dichloroethene	26.07		1.00	0.900
10061-02-6	trans-1,3-Dichloropropene	24.36		1.00	0.370
79-01-6	Trichloroethene	24.69		1.00	0.460
75-69-4	Trichlorofluoromethane	23.50		1.00	0.880
75-01-4	Vinyl chloride	21.63		1.00	0.900
1330-20-7	Xylenes, Total	51.09		2.00	0.660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		60-140
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2566.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 23-Jun-2014 12:24:30 ALS Bottle#: 35 Worklist Smp#: 31
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0033200-031
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 04:03:38 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 24-Jun-2014 04:03:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.336	-0.001	97	520252	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	87	375057	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	52	192746	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	135546	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	173170	25.0	24.4	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	66	503067	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	87	140658	25.0	25.2	
11 Dichlorodifluoromethane	85	0.905	0.905	0.000	87	150038	25.0	19.4	
13 Chloromethane	50	1.019	1.019	0.000	89	178579	25.0	23.0	
14 Vinyl chloride	62	1.102	1.102	0.000	84	157616	25.0	21.6	
151 Butadiene	54	1.123	1.123	0.000	89	153879	25.0	20.4	
15 Bromomethane	94	1.320	1.320	0.000	92	82441	25.0	33.0	
16 Chloroethane	64	1.382	1.382	0.000	99	88075	25.0	23.9	
17 Trichlorofluoromethane	101	1.537	1.537	0.000	86	180620	25.0	23.5	
18 Dichlorofluoromethane	67	1.558	1.558	0.000	82	187048	25.0	24.8	
19 Ethyl ether	59	1.796	1.807	-0.011	95	147861	25.0	24.5	
21 Acrolein	56	1.962	1.962	0.000	62	99987	125.0	97.5	
22 1,1-Dichloroethene	96	1.962	1.962	0.000	87	123795	25.0	24.0	
20 1,1,2-Trichloro-1,2,2-trif	101	1.962	1.962	0.000	56	121690	25.0	22.5	
24 Iodomethane	142	2.097	2.097	0.000	97	206375	25.0	26.7	
23 Acetone	43	2.118	2.118	0.000	72	304671	125.0	114.6	
25 Carbon disulfide	76	2.118	2.118	0.000	99	386878	25.0	23.3	
27 3-Chloro-1-propene	41	2.304	2.304	0.000	85	225245	25.0	24.4	
28 Methyl acetate	43	2.377	2.377	0.000	96	669956	125.0	109.9	
30 Methylene Chloride	84	2.429	2.429	0.000	87	156559	25.0	26.9	
33 Methyl tert-butyl ether	73	2.646	2.636	0.010	93	454826	25.0	24.1	
32 trans-1,2-Dichloroethene	96	2.625	2.636	-0.011	91	148288	25.0	26.1	
31 2-Methyl-2-propanol	59	2.657	2.657	0.000	61	229002	250.0	241.1	
34 Acrylonitrile	53	2.708	2.708	0.000	96	643853	250.0	221.4	
35 Hexane	57	2.802	2.802	0.000	91	210159	25.0	22.0	
36 1,1-Dichloroethane	63	2.999	2.999	0.000	86	281071	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.071	3.071	0.000	98	585956	50.0	49.2	
42 2,2-Dichloropropane	77	3.444	3.444	0.000	92	157968	25.0	26.0	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	67	160117	25.0	25.4	
44 2-Butanone (MEK)	43	3.537	3.537	0.000	100	430882	125.0	107.4	
47 Chlorobromomethane	128	3.672	3.672	0.000	93	78996	25.0	24.7	
48 Tetrahydrofuran	42	3.703	3.703	0.000	87	111297	50.0	41.7	
50 Chloroform	83	3.734	3.734	0.000	73	269708	25.0	25.3	
51 1,1,1-Trichloroethane	97	3.817	3.817	0.000	84	211444	25.0	25.2	
52 Cyclohexane	56	3.817	3.817	0.000	87	261475	25.0	23.0	
53 Carbon tetrachloride	117	3.931	3.931	0.000	80	165113	25.0	23.8	
54 1,1-Dichloropropene	75	3.942	3.942	0.000	90	191266	25.0	25.4	
55 Benzene	78	4.118	4.118	0.000	96	591542	25.0	25.3	
56 Isobutyl alcohol	43	4.180	4.180	0.000	83	206180	625.0	564.6	
57 1,2-Dichloroethane	62	4.170	4.180	-0.010	76	227886	25.0	24.4	
59 n-Heptane	43	4.263	4.263	0.000	90	225575	25.0	23.7	
60 Trichloroethene	95	4.605	4.605	0.000	92	152417	25.0	24.7	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	230464	25.0	22.8	
63 1,2-Dichloropropane	63	4.791	4.802	-0.011	89	157675	25.0	25.2	
65 Dibromomethane	93	4.905	4.905	0.000	86	98724	25.0	24.5	
66 1,4-Dioxane	88	4.936	4.937	0.000	92	33820	500.0	418.5	
67 Dichlorobromomethane	83	5.019	5.030	-0.011	91	181564	25.0	23.8	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	92	98128	25.0	22.8	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	87	216876	25.0	24.4	
72 4-Methyl-2-pentanone (MIBK)	43	5.475	5.475	0.000	98	962456	125.0	113.7	
73 Toluene	92	5.569	5.569	0.000	92	361064	25.0	25.4	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	98	186903	25.0	24.4	
77 Ethyl methacrylate	69	5.838	5.838	0.000	72	197156	25.0	24.6	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	89	114919	25.0	24.0	
79 Tetrachloroethene	166	5.962	5.962	0.000	87	137441	25.0	24.0	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	94	235811	25.0	24.5	
81 2-Hexanone	43	6.118	6.118	0.000	97	710863	125.0	116.4	
82 Chlorodibromomethane	129	6.221	6.222	-0.001	88	122704	25.0	23.0	
83 Ethylene Dibromide	107	6.294	6.294	0.000	98	134914	25.0	24.3	
86 Chlorobenzene	112	6.657	6.657	0.000	93	409129	25.0	25.7	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	39	120743	25.0	24.8	
88 Ethylbenzene	91	6.729	6.729	0.000	99	701975	25.0	25.2	
90 m-Xylene & p-Xylene	106	6.812	6.812	0.000	0	268016	25.0	25.6	
91 o-Xylene	106	7.133	7.133	0.000	98	259689	25.0	25.5	
92 Styrene	104	7.154	7.154	0.000	95	450151	25.0	26.1	
93 Bromoform	173	7.330	7.330	0.000	91	65622	25.0	22.1	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	698585	25.0	25.3	
97 Bromobenzene	156	7.672	7.683	-0.011	99	161676	25.0	25.2	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	82	193859	25.0	23.5	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	859392	25.0	25.5	
100 1,2,3-Trichloropropane	110	7.755	7.755	0.000	59	60999	25.0	23.6	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	76	55458	25.0	25.0	
105 2-Chlorotoluene	126	7.828	7.828	0.000	93	164882	25.0	26.0	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	93	598445	25.0	25.6	
102 4-Chlorotoluene	91	7.911	7.911	0.000	99	592999	25.0	25.6	
106 tert-Butylbenzene	134	8.149	8.149	0.000	88	118303	25.0	25.4	
107 1,2,4-Trimethylbenzene	105	8.190	8.190	0.000	47	618353	25.0	25.8	
109 sec-Butylbenzene	105	8.325	8.325	0.000	95	790218	25.0	26.3	

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	8.429	8.429	0.000	95	322623	25.0	25.9	
111 4-Isopropyltoluene	119	8.450	8.450	0.000	97	669646	25.0	26.6	
113 1,4-Dichlorobenzene	146	8.512	8.512	0.000	93	325918	25.0	25.1	
115 n-Butylbenzene	91	8.781	8.781	0.000	98	630153	25.0	26.9	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	89	313848	25.0	25.7	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	73	28445	25.0	19.6	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	91	191542	25.0	24.9	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	88	93648	25.0	26.0	
121 Naphthalene	128	10.336	10.336	0.000	98	552499	25.0	24.0	
122 1,2,3-Trichlorobenzene	180	10.532	10.533	-0.001	92	182259	25.0	24.9	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33200.b\T2566.D

Injection Date: 23-Jun-2014 12:24:30

Instrument ID: HP5975T

Lims ID: LCS

Operator ID: LH/CN

Client ID:

Worklist Smp#: 31

Purge Vol: 5.000 mL

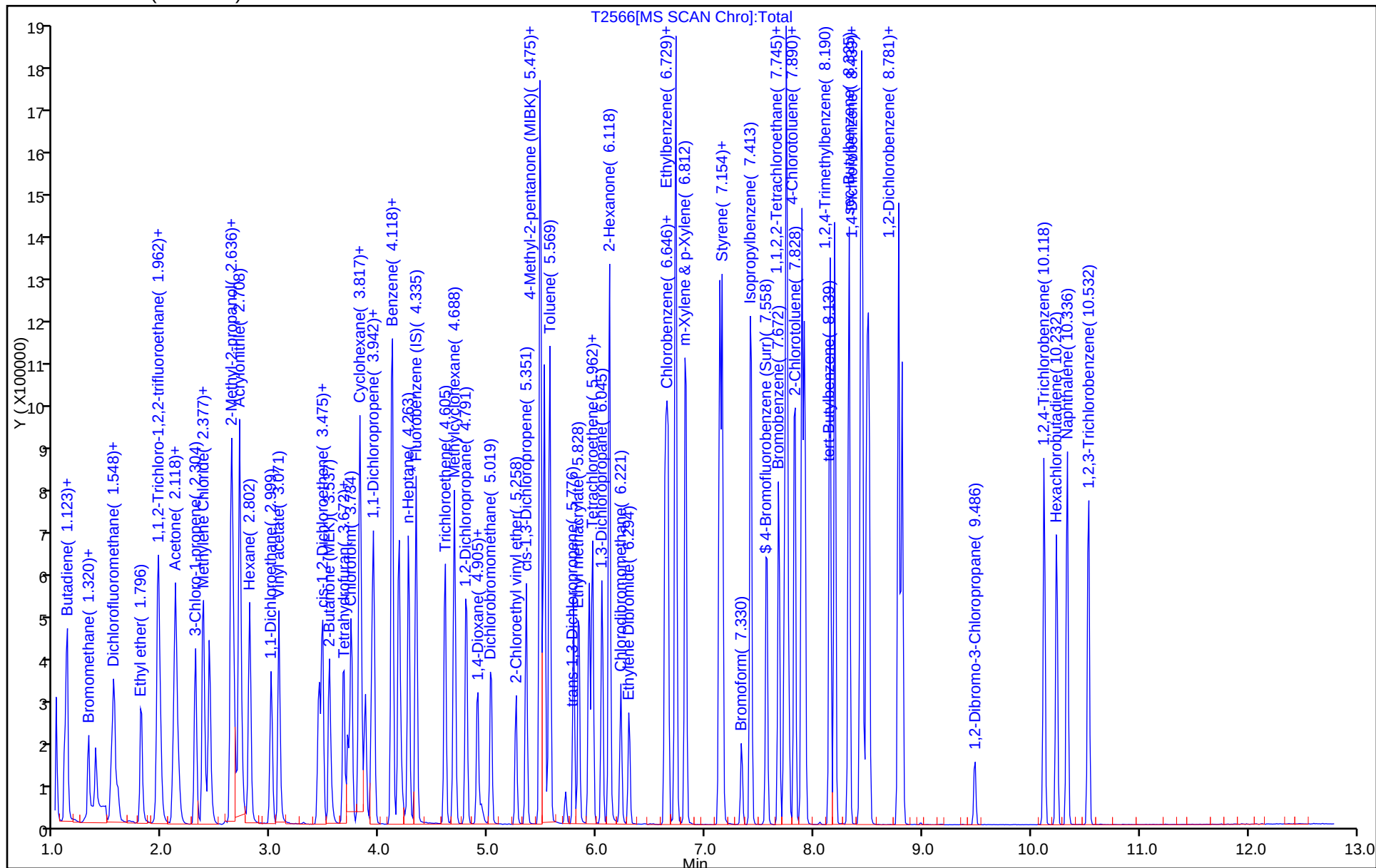
Dil. Factor: 1.0000

ALS Bottle#: 35

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-189394/4

Matrix: Water Lab File ID: T2595.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 23:58

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.: 189394 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.01		1.00	0.820
79-34-5	1,1,2,2-Tetrachloroethane	22.55		1.00	0.210
79-00-5	1,1,2-Trichloroethane	22.98		1.00	0.230
76-13-1	1,1,2-Trichlorotrifluoroethane	25.85		1.00	0.310
75-34-3	1,1-Dichloroethane	26.07		1.00	0.380
75-35-4	1,1-Dichloroethene	24.84		1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	23.21		1.00	0.410
96-12-8	1,2-Dibromo-3-Chloropropane	20.19		1.00	0.390
106-93-4	1,2-Dibromoethane (EDB)	24.04		1.00	0.730
95-50-1	1,2-Dichlorobenzene	24.04		1.00	0.790
107-06-2	1,2-Dichloroethane	24.46		1.00	0.210
540-59-0	1,2-Dichloroethene, Total	52.12		2.00	0.810
78-87-5	1,2-Dichloropropane	24.84		1.00	0.720
541-73-1	1,3-Dichlorobenzene	24.41		1.00	0.780
106-46-7	1,4-Dichlorobenzene	24.28		1.00	0.840
78-93-3	2-Butanone (MEK)	108.6		10.0	1.32
591-78-6	2-Hexanone	108.9		5.00	1.24
108-10-1	4-Methyl-2-pentanone (MIBK)	109.1		5.00	2.10
67-64-1	Acetone	113.4		10.0	3.00
71-43-2	Benzene	24.68		1.00	0.410
75-27-4	Bromodichloromethane	25.11		1.00	0.390
75-25-2	Bromoform	22.67		1.00	0.260
74-83-9	Bromomethane	31.64		1.00	0.690
75-15-0	Carbon disulfide	25.18		1.00	0.190
56-23-5	Carbon tetrachloride	26.11		1.00	0.270
108-90-7	Chlorobenzene	24.73		1.00	0.750
124-48-1	Chlorodibromomethane	23.50		1.00	0.320
75-00-3	Chloroethane	24.44		1.00	0.320
67-66-3	Chloroform	25.46		1.00	0.340
74-87-3	Chloromethane	23.87		1.00	0.350
156-59-2	cis-1,2-Dichloroethene	25.86		1.00	0.810
10061-01-5	cis-1,3-Dichloropropene	24.88		1.00	0.360
110-82-7	Cyclohexane	25.38		1.00	0.180
75-71-8	Dichlorodifluoromethane	21.18		1.00	0.680
100-41-4	Ethylbenzene	24.63		1.00	0.740
98-82-8	Isopropylbenzene	24.49		1.00	0.790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-189394/4
 Matrix: Water Lab File ID: T2595.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 06/23/2014 23:58
 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.: 189394 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	112.2		1.00	0.500
1634-04-4	Methyl tert-butyl ether	24.08		1.00	0.160
108-87-2	Methylcyclohexane	25.31		1.00	0.160
75-09-2	Methylene Chloride	29.05		1.00	0.440
100-42-5	Styrene	24.90		1.00	0.730
127-18-4	Tetrachloroethene	23.96		1.00	0.360
108-88-3	Toluene	24.27		1.00	0.510
156-60-5	trans-1,2-Dichloroethene	26.26		1.00	0.900
10061-02-6	trans-1,3-Dichloropropene	23.55		1.00	0.370
79-01-6	Trichloroethene	23.79		1.00	0.460
75-69-4	Trichlorofluoromethane	24.80		1.00	0.880
75-01-4	Vinyl chloride	22.31		1.00	0.900
1330-20-7	Xylenes, Total	49.14		2.00	0.660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		66-137
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		60-140
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2595.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 23-Jun-2014 23:58:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0033215-004
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 02:00:28 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 24-Jun-2014 04:08:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.335	0.001	98	500566	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	86	384655	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	94	195614	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	55	132452	25.0	25.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	161747	25.0	23.7	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	92	508923	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	87	139993	25.0	24.4	
11 Dichlorodifluoromethane	85	0.916	0.905	0.011	87	157472	25.0	21.2	
13 Chloromethane	50	1.019	1.019	0.000	89	178204	25.0	23.9	
14 Vinyl chloride	62	1.102	1.102	0.000	83	156417	25.0	22.3	
151 Butadiene	54	1.123	1.123	0.000	90	166631	25.0	22.9	
15 Bromomethane	94	1.320	1.320	0.000	93	76155	25.0	31.6	
16 Chloroethane	64	1.392	1.392	0.000	99	86745	25.0	24.4	
17 Trichlorofluoromethane	101	1.558	1.558	0.000	83	183437	25.0	24.8	
18 Dichlorofluoromethane	67	1.569	1.558	0.011	80	162344	25.0	22.3	
19 Ethyl ether	59	1.797	1.797	0.000	95	141615	25.0	24.4	
21 Acrolein	56	1.952	1.952	0.000	99	110908	125.0	112.3	
22 1,1-Dichloroethene	96	1.973	1.962	0.011	86	123377	25.0	24.8	
20 1,1,2-Trichloro-1,2,2-trif	101	1.973	1.973	0.000	81	134345	25.0	25.8	
23 Acetone	43	2.108	2.107	0.001	99	290066	125.0	113.4	
24 Iodomethane	142	2.108	2.107	0.001	97	192071	25.0	25.8	
25 Carbon disulfide	76	2.128	2.128	0.000	99	401556	25.0	25.2	
27 3-Chloro-1-propene	41	2.304	2.304	0.000	84	220708	25.0	24.8	
28 Methyl acetate	43	2.367	2.367	0.001	98	658322	125.0	112.2	
30 Methylene Chloride	84	2.439	2.439	0.000	93	162203	25.0	29.0	
33 Methyl tert-butyl ether	73	2.636	2.636	0.000	91	437032	25.0	24.1	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	92	143707	25.0	26.3	
31 2-Methyl-2-propanol	59	2.636	2.636	0.000	52	218801	250.0	239.4	
34 Acrylonitrile	53	2.709	2.708	0.001	98	619795	250.0	221.5	
35 Hexane	57	2.812	2.802	0.010	94	231600	25.0	25.2	
36 1,1-Dichloroethane	63	2.999	2.999	0.000	86	276506	25.0	26.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.071	3.071	0.000	98	537566	50.0	46.9	
42 2,2-Dichloropropane	77	3.444	3.444	0.000	91	157613	25.0	27.0	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	71	157104	25.0	25.9	
44 2-Butanone (MEK)	43	3.538	3.527	0.011	100	419219	125.0	108.6	
47 Chlorobromomethane	128	3.672	3.672	0.000	93	76235	25.0	24.8	
48 Tetrahydrofuran	42	3.703	3.703	0.000	87	108422	50.0	42.2	
50 Chloroform	83	3.735	3.734	0.000	83	261466	25.0	25.5	
51 1,1,1-Trichloroethane	97	3.828	3.817	0.011	92	209726	25.0	26.0	
52 Cyclohexane	56	3.817	3.817	0.000	93	277655	25.0	25.4	
53 Carbon tetrachloride	117	3.931	3.931	0.000	80	174123	25.0	26.1	
54 1,1-Dichloropropene	75	3.942	3.942	0.000	89	183546	25.0	25.3	
55 Benzene	78	4.118	4.118	0.000	96	554459	25.0	24.7	
57 1,2-Dichloroethane	62	4.180	4.170	0.010	91	219532	25.0	24.5	
56 Isobutyl alcohol	43	4.170	4.170	0.000	90	207122	625.0	589.5	
59 n-Heptane	43	4.263	4.263	0.000	92	236228	25.0	25.9	
60 Trichloroethene	95	4.605	4.605	0.000	93	141267	25.0	23.8	
62 Methylcyclohexane	83	4.688	4.688	0.000	96	245742	25.0	25.3	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	89	149354	25.0	24.8	
65 Dibromomethane	93	4.906	4.895	0.011	88	94110	25.0	24.2	
66 1,4-Dioxane	88	4.937	4.926	0.011	95	35405	500.0	427.2	
67 Dichlorobromomethane	83	5.030	5.019	0.011	92	184555	25.0	25.1	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	92	95724	25.0	23.1	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	88	212754	25.0	24.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.476	5.475	0.001	98	947381	125.0	109.1	
73 Toluene	92	5.569	5.569	0.000	97	353948	25.0	24.3	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	94	185263	25.0	23.5	
77 Ethyl methacrylate	69	5.838	5.838	0.000	90	196008	25.0	23.9	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	89	112985	25.0	23.0	
79 Tetrachloroethene	166	5.963	5.962	0.001	87	140765	25.0	24.0	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	95	235995	25.0	23.9	
81 2-Hexanone	43	6.118	6.118	0.000	97	682170	125.0	108.9	
82 Chlorodibromomethane	129	6.222	6.222	0.000	89	128482	25.0	23.5	
83 Ethylene Dibromide	107	6.294	6.294	0.000	96	137141	25.0	24.0	
86 Chlorobenzene	112	6.657	6.657	0.000	94	404247	25.0	24.7	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	39	119648	25.0	24.0	
88 Ethylbenzene	91	6.729	6.729	0.000	99	704293	25.0	24.6	
90 m-Xylene & p-Xylene	106	6.812	6.823	-0.011	0	265744	25.0	24.8	
91 o-Xylene	106	7.134	7.134	0.000	98	254851	25.0	24.4	
92 Styrene	104	7.154	7.154	0.000	95	440066	25.0	24.9	
93 Bromoform	173	7.330	7.330	0.000	91	68965	25.0	22.7	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	687440	25.0	24.5	
97 Bromobenzene	156	7.672	7.672	0.000	99	158741	25.0	24.4	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	89	188967	25.0	22.6	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	858368	25.0	25.1	
100 1,2,3-Trichloropropane	110	7.755	7.755	0.000	86	60353	25.0	23.0	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	77	50507	25.0	22.5	
105 2-Chlorotoluene	126	7.828	7.828	0.000	95	158100	25.0	24.6	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	93	577899	25.0	24.4	
102 4-Chlorotoluene	91	7.911	7.911	0.000	99	578756	25.0	24.6	
106 tert-Butylbenzene	134	8.149	8.149	0.000	88	115331	25.0	24.4	
107 1,2,4-Trimethylbenzene	105	8.191	8.191	0.000	98	602658	25.0	24.7	
109 sec-Butylbenzene	105	8.325	8.325	0.000	95	751929	25.0	24.7	

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	8.429	8.429	0.000	95	308522	25.0	24.4	
111 4-Isopropyltoluene	119	8.439	8.450	-0.011	95	637338	25.0	24.9	
113 1,4-Dichlorobenzene	146	8.502	8.501	0.001	88	320162	25.0	24.3	
115 n-Butylbenzene	91	8.781	8.781	0.000	98	604742	25.0	25.4	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	93	298237	25.0	24.0	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	74	29712	25.0	20.2	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	89	181239	25.0	23.2	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	91	85046	25.0	23.3	
121 Naphthalene	128	10.336	10.336	0.000	98	516055	25.0	22.1	
122 1,2,3-Trichlorobenzene	180	10.533	10.533	0.000	92	167585	25.0	22.6	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2595.D

Injection Date: 23-Jun-2014 23:58:30

Instrument ID: HP5975T

Lims ID: LCS

Operator ID: gtg

Client ID:

Worklist Smp#: 4

Purge Vol: 5.000 mL

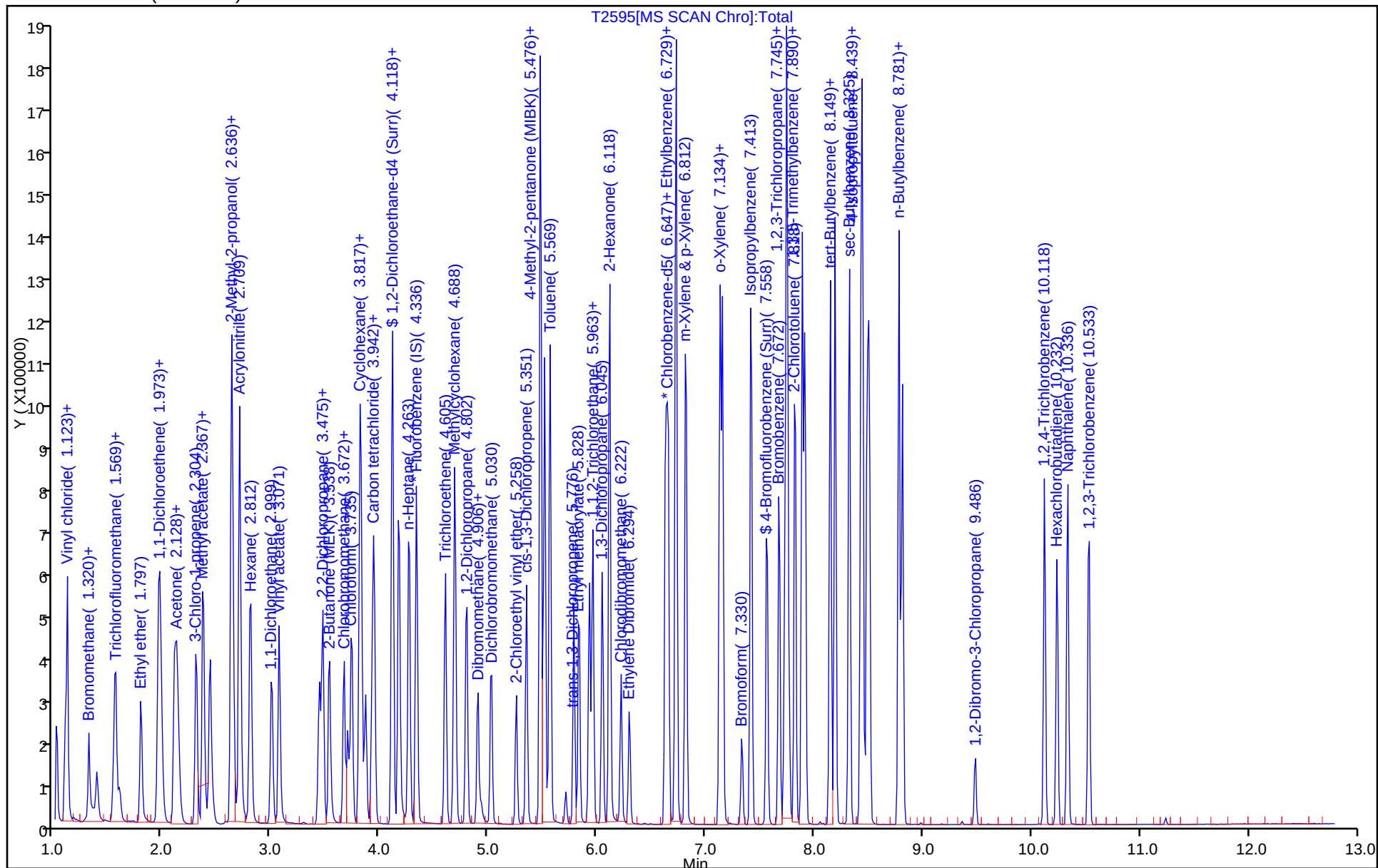
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-189443/4

Matrix: Water Lab File ID: T2627.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 12:23

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.: 189443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	28.81		1.00	0.820
79-34-5	1,1,2,2-Tetrachloroethane	25.33		1.00	0.210
79-00-5	1,1,2-Trichloroethane	25.57		1.00	0.230
76-13-1	1,1,2-Trichlorotrifluoroethane	28.71		1.00	0.310
75-34-3	1,1-Dichloroethane	28.55		1.00	0.380
75-35-4	1,1-Dichloroethene	28.07		1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	25.63		1.00	0.410
96-12-8	1,2-Dibromo-3-Chloropropane	20.69		1.00	0.390
106-93-4	1,2-Dibromoethane (EDB)	25.91		1.00	0.730
95-50-1	1,2-Dichlorobenzene	26.60		1.00	0.790
107-06-2	1,2-Dichloroethane	26.25		1.00	0.210
540-59-0	1,2-Dichloroethene, Total	56.76		2.00	0.810
78-87-5	1,2-Dichloropropane	26.92		1.00	0.720
541-73-1	1,3-Dichlorobenzene	26.95		1.00	0.780
106-46-7	1,4-Dichlorobenzene	26.51		1.00	0.840
78-93-3	2-Butanone (MEK)	119.8		10.0	1.32
591-78-6	2-Hexanone	118.2		5.00	1.24
108-10-1	4-Methyl-2-pentanone (MIBK)	119.5		5.00	2.10
67-64-1	Acetone	125.1		10.0	3.00
71-43-2	Benzene	26.86		1.00	0.410
75-27-4	Bromodichloromethane	26.14		1.00	0.390
75-25-2	Bromoform	23.40		1.00	0.260
74-83-9	Bromomethane	35.00		1.00	0.690
75-15-0	Carbon disulfide	27.64		1.00	0.190
56-23-5	Carbon tetrachloride	28.03		1.00	0.270
108-90-7	Chlorobenzene	26.83		1.00	0.750
124-48-1	Chlorodibromomethane	24.90		1.00	0.320
75-00-3	Chloroethane	25.75		1.00	0.320
67-66-3	Chloroform	27.50		1.00	0.340
74-87-3	Chloromethane	24.14		1.00	0.350
156-59-2	cis-1,2-Dichloroethene	28.11		1.00	0.810
10061-01-5	cis-1,3-Dichloropropene	26.18		1.00	0.360
110-82-7	Cyclohexane	27.63		1.00	0.180
75-71-8	Dichlorodifluoromethane	19.85		1.00	0.680
100-41-4	Ethylbenzene	27.29		1.00	0.740
98-82-8	Isopropylbenzene	27.28		1.00	0.790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-189443/4
 Matrix: Water Lab File ID: T2627.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 12:23
 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.: 189443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	120.4		1.00	0.500
1634-04-4	Methyl tert-butyl ether	26.17		1.00	0.160
108-87-2	Methylcyclohexane	27.72		1.00	0.160
75-09-2	Methylene Chloride	29.58		1.00	0.440
100-42-5	Styrene	27.64		1.00	0.730
127-18-4	Tetrachloroethene	26.31		1.00	0.360
108-88-3	Toluene	26.59		1.00	0.510
156-60-5	trans-1,2-Dichloroethene	28.65		1.00	0.900
10061-02-6	trans-1,3-Dichloropropene	25.79		1.00	0.370
79-01-6	Trichloroethene	26.92		1.00	0.460
75-69-4	Trichlorofluoromethane	27.61		1.00	0.880
75-01-4	Vinyl chloride	22.90		1.00	0.900
1330-20-7	Xylenes, Total	53.69		2.00	0.660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		60-140
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2627.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 24-Jun-2014 12:23:30 ALS Bottle#: 36 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0033223-004
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 12:40:41 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: manc

Date: 24-Jun-2014 12:40:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.335	4.335	0.000	98	505784	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	86	383160	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	64	192088	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	133981	25.0	25.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	166096	25.0	24.1	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	92	504893	25.0	24.7	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	87	140991	25.0	24.7	
11 Dichlorodifluoromethane	85	0.905	0.905	0.000	86	149097	25.0	19.8	
13 Chloromethane	50	1.019	1.019	0.000	89	182155	25.0	24.1	
14 Vinyl chloride	62	1.102	1.102	0.000	84	162215	25.0	22.9	
151 Butadiene	54	1.123	1.123	0.000	90	163183	25.0	22.2	
15 Bromomethane	94	1.320	1.320	0.000	93	84893	25.0	35.0	
16 Chloroethane	64	1.382	1.382	0.000	99	92367	25.0	25.8	
17 Trichlorofluoromethane	101	1.537	1.537	0.000	84	206346	25.0	27.6	
18 Dichlorofluoromethane	67	1.558	1.558	0.000	83	204632	25.0	27.9	
19 Ethyl ether	59	1.807	1.807	0.000	95	158843	25.0	27.1	
21 Acrolein	56	1.962	1.962	0.000	66	123797	125.0	124.1	
20 1,1,2-Trichloro-1,2,2-trif	101	1.962	1.962	0.000	89	150794	25.0	28.7	
22 1,1-Dichloroethene	96	1.962	1.962	0.000	86	140876	25.0	28.1	
24 Iodomethane	142	2.097	2.097	0.000	98	216773	25.0	28.9	
23 Acetone	43	2.118	2.118	0.000	99	323329	125.0	125.1	
25 Carbon disulfide	76	2.128	2.128	0.000	100	445487	25.0	27.6	
27 3-Chloro-1-propene	41	2.304	2.304	0.000	86	245172	25.0	27.3	
28 Methyl acetate	43	2.377	2.377	0.000	98	713249	125.0	120.4	
30 Methylene Chloride	84	2.429	2.439	-0.010	92	166822	25.0	29.6	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	90	158403	25.0	28.6	
33 Methyl tert-butyl ether	73	2.646	2.646	0.000	93	479874	25.0	26.2	
31 2-Methyl-2-propanol	59	2.657	2.657	0.000	82	244119	250.0	264.3	
34 Acrylonitrile	53	2.708	2.708	0.000	98	690807	250.0	244.3	
35 Hexane	57	2.802	2.802	0.000	94	259689	25.0	28.0	
36 1,1-Dichloroethane	63	2.999	2.999	0.000	86	305893	25.0	28.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.071	3.071	0.000	98	592714	50.0	51.2	
42 2,2-Dichloropropane	77	3.444	3.444	0.000	92	175492	25.0	29.7	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	68	172564	25.0	28.1	
44 2-Butanone (MEK)	43	3.537	3.538	-0.001	100	467446	125.0	119.8	
47 Chlorobromomethane	128	3.672	3.672	0.000	97	85794	25.0	27.6	
48 Tetrahydrofuran	42	3.703	3.703	0.000	88	118112	50.0	45.5	
50 Chloroform	83	3.734	3.734	0.000	82	285378	25.0	27.5	
52 Cyclohexane	56	3.817	3.817	0.000	94	305339	25.0	27.6	
51 1,1,1-Trichloroethane	97	3.817	3.817	0.000	90	234710	25.0	28.8	
53 Carbon tetrachloride	117	3.931	3.931	0.000	78	188904	25.0	28.0	
54 1,1-Dichloropropene	75	3.942	3.942	0.000	90	204422	25.0	27.9	
55 Benzene	78	4.118	4.118	0.000	97	609669	25.0	26.9	
56 Isobutyl alcohol	43	4.180	4.180	0.000	91	220451	625.0	620.9	
57 1,2-Dichloroethane	62	4.170	4.180	-0.010	91	238044	25.0	26.2	
59 n-Heptane	43	4.263	4.263	0.000	92	258887	25.0	28.1	
60 Trichloroethene	95	4.605	4.605	0.000	93	161519	25.0	26.9	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	271865	25.0	27.7	
63 1,2-Dichloropropane	63	4.791	4.802	-0.011	89	163582	25.0	26.9	
65 Dibromomethane	93	4.905	4.895	0.010	90	102360	25.0	26.1	
66 1,4-Dioxane	88	4.936	4.937	-0.001	97	37338	500.0	452.2	
67 Dichlorobromomethane	83	5.019	5.030	-0.011	92	194084	25.0	26.1	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	92	106439	25.0	25.5	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	88	226240	25.0	26.2	
72 4-Methyl-2-pentanone (MIBK)	43	5.475	5.475	0.000	99	1033749	125.0	119.5	
73 Toluene	92	5.569	5.569	0.000	97	386374	25.0	26.6	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	94	202124	25.0	25.8	
77 Ethyl methacrylate	69	5.838	5.838	0.000	89	214470	25.0	26.2	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	88	125244	25.0	25.6	
79 Tetrachloroethene	166	5.962	5.962	0.000	87	153929	25.0	26.3	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	94	252931	25.0	25.7	
81 2-Hexanone	43	6.118	6.118	0.000	97	737408	125.0	118.2	
82 Chlorodibromomethane	129	6.222	6.222	0.000	88	135638	25.0	24.9	
83 Ethylene Dibromide	107	6.294	6.294	0.000	97	147245	25.0	25.9	
86 Chlorobenzene	112	6.657	6.657	0.000	94	436992	25.0	26.8	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	39	128937	25.0	26.0	
88 Ethylbenzene	91	6.729	6.729	0.000	99	777213	25.0	27.3	
90 m-Xylene & p-Xylene	106	6.812	6.823	-0.011	0	290079	25.0	27.1	
91 o-Xylene	106	7.133	7.133	0.000	98	276564	25.0	26.6	
92 Styrene	104	7.154	7.154	0.000	95	486705	25.0	27.6	
93 Bromoform	173	7.330	7.330	0.000	92	70930	25.0	23.4	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	751835	25.0	27.3	
97 Bromobenzene	156	7.672	7.672	0.000	99	170139	25.0	26.7	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	87	208378	25.0	25.3	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	930160	25.0	27.7	
100 1,2,3-Trichloropropane	110	7.755	7.755	0.000	88	64334	25.0	24.9	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	74	56653	25.0	25.7	
105 2-Chlorotoluene	126	7.828	7.828	0.000	95	173568	25.0	27.5	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	93	632403	25.0	27.2	
102 4-Chlorotoluene	91	7.911	7.911	0.000	99	643439	25.0	27.8	
106 tert-Butylbenzene	134	8.149	8.149	0.000	93	124314	25.0	26.8	
107 1,2,4-Trimethylbenzene	105	8.190	8.191	0.000	98	653489	25.0	27.3	
109 sec-Butylbenzene	105	8.325	8.325	0.000	95	831663	25.0	27.8	

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	8.429	8.429	0.000	94	334569	25.0	27.0	
111 4-Isopropyltoluene	119	8.450	8.450	0.000	97	706512	25.0	28.1	
113 1,4-Dichlorobenzene	146	8.501	8.512	-0.011	88	343204	25.0	26.5	
115 n-Butylbenzene	91	8.781	8.781	0.000	98	660366	25.0	28.3	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	93	324093	25.0	26.6	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	72	29891	25.0	20.7	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	93	196474	25.0	25.6	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	90	94668	25.0	26.4	
121 Naphthalene	128	10.336	10.336	0.000	97	563575	25.0	24.5	
122 1,2,3-Trichlorobenzene	180	10.533	10.533	0.000	93	189462	25.0	26.0	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2627.D

Injection Date: 24-Jun-2014 12:23:30

Instrument ID: HP5975T

Lims ID: LCS

Operator ID: LH/CN

Client ID:

Worklist Smp#: 4

Purge Vol: 5.000 mL

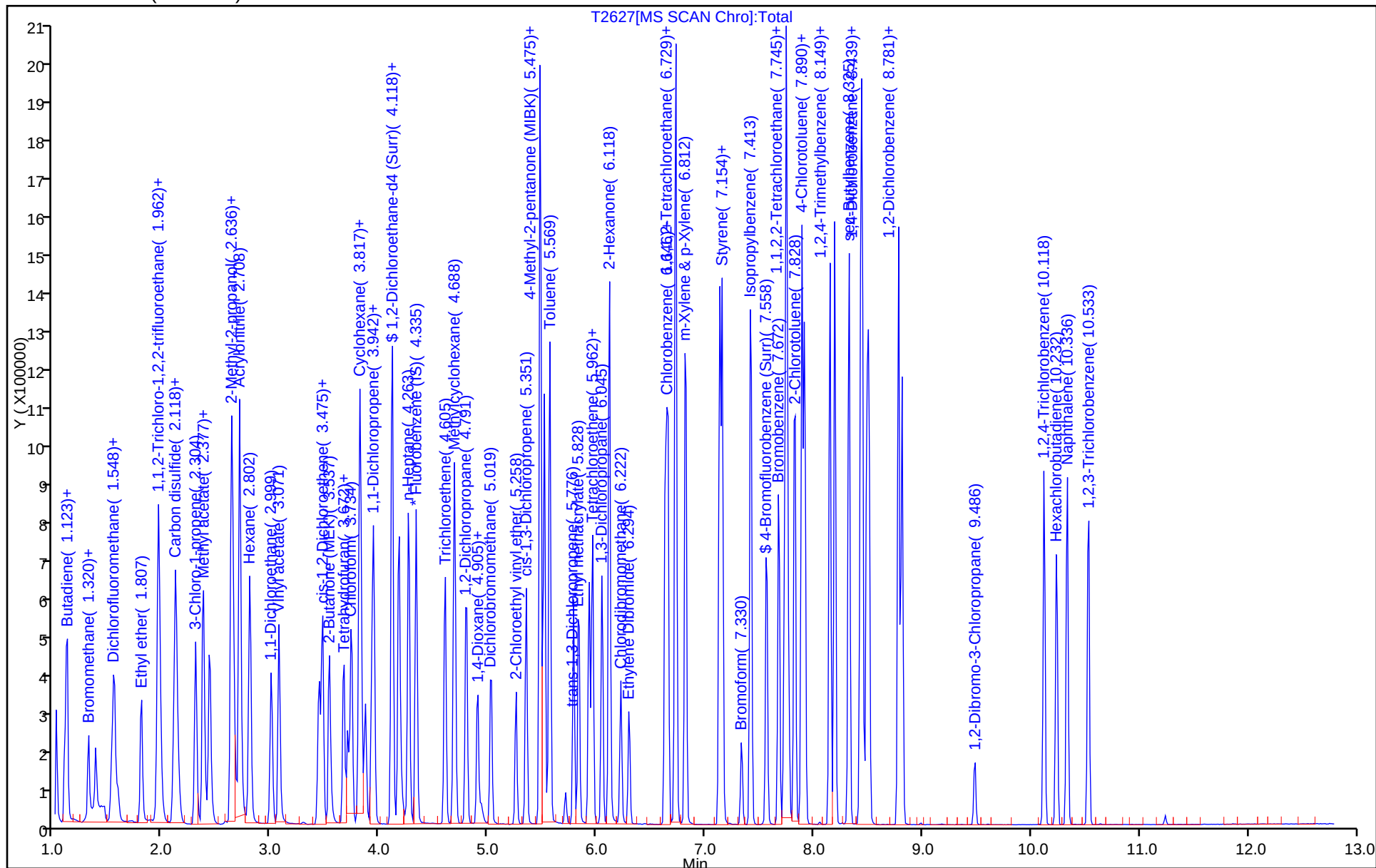
Dil. Factor: 1.0000

ALS Bottle#: 36

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6S MS MS Lab Sample ID: 480-61593-1 MS

Matrix: Water Lab File ID: T2617.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:00

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 08:32

Soil Aliquot Vol: _____ Dilution Factor: 4

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

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

Analysis Batch No.: 189394 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	134.1		4.00	3.28
79-34-5	1,1,2,2-Tetrachloroethane	91.57		4.00	0.840
79-00-5	1,1,2-Trichloroethane	93.93		4.00	0.920
76-13-1	1,1,2-Trichlorotrifluoroethane	102.7		4.00	1.24
75-34-3	1,1-Dichloroethane	678.3		4.00	1.52
75-35-4	1,1-Dichloroethene	115.0		4.00	1.16
120-82-1	1,2,4-Trichlorobenzene	88.31		4.00	1.64
96-12-8	1,2-Dibromo-3-Chloropropane	80.30		4.00	1.56
106-93-4	1,2-Dibromoethane (EDB)	95.72		4.00	2.92
95-50-1	1,2-Dichlorobenzene	95.39		4.00	3.16
107-06-2	1,2-Dichloroethane	96.66		4.00	0.840
540-59-0	1,2-Dichloroethene, Total	201.8		8.00	3.24
78-87-5	1,2-Dichloropropane	94.78		4.00	2.88
541-73-1	1,3-Dichlorobenzene	95.68		4.00	3.12
106-46-7	1,4-Dichlorobenzene	94.08		4.00	3.36
78-93-3	2-Butanone (MEK)	409.1		40.0	5.28
591-78-6	2-Hexanone	450.0		20.0	4.96
108-10-1	4-Methyl-2-pentanone (MIBK)	451.4		20.0	8.40
67-64-1	Acetone	404.8		40.0	12.0
71-43-2	Benzene	96.07		4.00	1.64
75-27-4	Bromodichloromethane	96.53		4.00	1.56
75-25-2	Bromoform	89.99		4.00	1.04
74-83-9	Bromomethane	157.3		4.00	2.76
75-15-0	Carbon disulfide	93.20		4.00	0.760
56-23-5	Carbon tetrachloride	100.3		4.00	1.08
108-90-7	Chlorobenzene	97.91		4.00	3.00
124-48-1	Chlorodibromomethane	95.68		4.00	1.28
75-00-3	Chloroethane	153.6		4.00	1.28
67-66-3	Chloroform	97.90		4.00	1.36
74-87-3	Chloromethane	92.48		4.00	1.40
156-59-2	cis-1,2-Dichloroethene	100.7		4.00	3.24
10061-01-5	cis-1,3-Dichloropropene	90.77		4.00	1.44
110-82-7	Cyclohexane	98.71		4.00	0.720
75-71-8	Dichlorodifluoromethane	79.62		4.00	2.72
100-41-4	Ethylbenzene	97.01		4.00	2.96
98-82-8	Isopropylbenzene	94.23		4.00	3.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6S MS MS Lab Sample ID: 480-61593-1 MS

Matrix: Water Lab File ID: T2617.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:00

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 08:32

Soil Aliquot Vol: _____ Dilution Factor: 4

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

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

Analysis Batch No.: 189394 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	414.9		4.00	2.00
1634-04-4	Methyl tert-butyl ether	90.26		4.00	0.640
108-87-2	Methylcyclohexane	98.07		4.00	0.640
75-09-2	Methylene Chloride	104.6		4.00	1.76
100-42-5	Styrene	100.3		4.00	2.92
127-18-4	Tetrachloroethene	97.57		4.00	1.44
108-88-3	Toluene	99.76		4.00	2.04
156-60-5	trans-1,2-Dichloroethene	101.1		4.00	3.60
10061-02-6	trans-1,3-Dichloropropene	92.96		4.00	1.48
79-01-6	Trichloroethene	95.58		4.00	1.84
75-69-4	Trichlorofluoromethane	108.2		4.00	3.52
75-01-4	Vinyl chloride	91.96		4.00	3.60
1330-20-7	Xylenes, Total	196.0		8.00	2.64

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		66-137
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		60-140
2037-26-5	Toluene-d8 (Surr)	101		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2617.D
 Lims ID: 480-61593-B-1 MS
 Client ID: MW-6S MS
 Sample Type: MS
 Inject. Date: 24-Jun-2014 08:32:30 ALS Bottle#: 26 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 4.0000
 Sample Info: 480-61593-B-1 MS
 Misc. Info.: 480-0033215-012
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 08:22:37 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: manc

Date: 24-Jun-2014 11:49:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.335	0.001	98	486740	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	87	347068	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	97	183827	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	55	128804	25.0	25.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	157856	25.0	23.8	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	92	467274	25.0	25.2	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	87	129223	25.0	25.0	
11 Dichlorodifluoromethane	85	0.905	0.905	0.000	87	143897	25.0	19.9	
13 Chloromethane	50	1.019	1.019	0.000	89	167855	25.0	23.1	
14 Vinyl chloride	62	1.102	1.102	0.000	84	156718	25.0	23.0	
15 Bromomethane	94	1.320	1.320	0.000	93	91583	25.0	39.3	
16 Chloroethane	64	1.393	1.392	0.001	94	132574	25.0	38.4	
17 Trichlorofluoromethane	101	1.558	1.558	0.000	83	194558	25.0	27.1	
22 1,1-Dichloroethene	96	1.973	1.962	0.011	86	138803	25.0	28.7	
20 1,1,2-Trichloro-1,2,2-trif	101	1.973	1.973	0.000	54	129828	25.0	25.7	
23 Acetone	43	2.108	2.107	0.001	99	251684	125.0	101.2	
25 Carbon disulfide	76	2.128	2.128	0.000	99	361345	25.0	23.3	
28 Methyl acetate	43	2.367	2.367	0.001	98	591488	125.0	103.7	
30 Methylene Chloride	84	2.439	2.439	0.000	93	142526	25.0	26.1	
33 Methyl tert-butyl ether	73	2.636	2.636	0.000	92	398248	25.0	22.6	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	91	134507	25.0	25.3	
36 1,1-Dichloroethane	63	2.999	2.999	0.000	86	1748569	25.0	169.6	E
43 cis-1,2-Dichloroethene	96	3.476	3.475	0.001	69	148722	25.0	25.2	
44 2-Butanone (MEK)	43	3.538	3.527	0.011	99	383920	125.0	102.3	
50 Chloroform	83	3.735	3.734	0.001	83	244440	25.0	24.5	
51 1,1,1-Trichloroethane	97	3.828	3.817	0.011	91	262874	25.0	33.5	
52 Cyclohexane	56	3.817	3.817	0.000	93	262471	25.0	24.7	
53 Carbon tetrachloride	117	3.931	3.931	0.000	83	162677	25.0	25.1	
55 Benzene	78	4.118	4.118	0.000	97	524692	25.0	24.0	
57 1,2-Dichloroethane	62	4.180	4.170	0.010	91	210931	25.0	24.2	
1 1,4-Difluorobenzene	114		4.429					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
60 Trichloroethene	95	4.605	4.605	0.000	92	137983	25.0	23.9	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	231438	25.0	24.5	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	88	138552	25.0	23.7	
67 Dichlorobromomethane	83	5.030	5.019	0.011	92	172448	25.0	24.1	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	87	188690	25.0	22.7	
72 4-Methyl-2-pentanone (MIBK)	43	5.476	5.475	0.001	99	883983	125.0	112.8	
73 Toluene	92	5.569	5.569	0.000	97	328227	25.0	24.9	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	95	164979	25.0	23.2	
78 1,1,2-Trichloroethane	83	5.932	5.931	0.001	89	104186	25.0	23.5	
79 Tetrachloroethene	166	5.963	5.962	0.001	87	129275	25.0	24.4	
81 2-Hexanone	43	6.118	6.118	0.000	97	635696	125.0	112.5	
82 Chlorodibromomethane	129	6.222	6.222	0.000	88	118006	25.0	23.9	
83 Ethylene Dibromide	107	6.294	6.294	0.000	97	123171	25.0	23.9	
86 Chlorobenzene	112	6.657	6.657	0.000	94	361054	25.0	24.5	
88 Ethylbenzene	91	6.729	6.729	0.000	99	625675	25.0	24.3	
90 m-Xylene & p-Xylene	106	6.823	6.823	0.000	0	238214		24.6	
91 o-Xylene	106	7.134	7.134	0.000	98	230120		24.4	
92 Styrene	104	7.154	7.154	0.000	95	399733	25.0	25.1	
93 Bromoform	173	7.331	7.330	0.001	92	61759	25.0	22.5	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	621300	25.0	23.6	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	87	180254	25.0	22.9	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	95	284177	25.0	23.9	
113 1,4-Dichlorobenzene	146	8.512	8.501	0.011	92	291382	25.0	23.5	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	93	278019	25.0	23.8	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	72	27760	25.0	20.1	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	92	161988	25.0	22.1	
S 126 Xylenes, Total	1				0			49.0	
S 124 1,2-Dichloroethene, Total	1				0			50.5	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2617.D

Injection Date: 24-Jun-2014 08:32:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-61593-B-1 MS

Worklist Smp#: 12

Client ID: MW-6S MS

Purge Vol: 5.000 mL

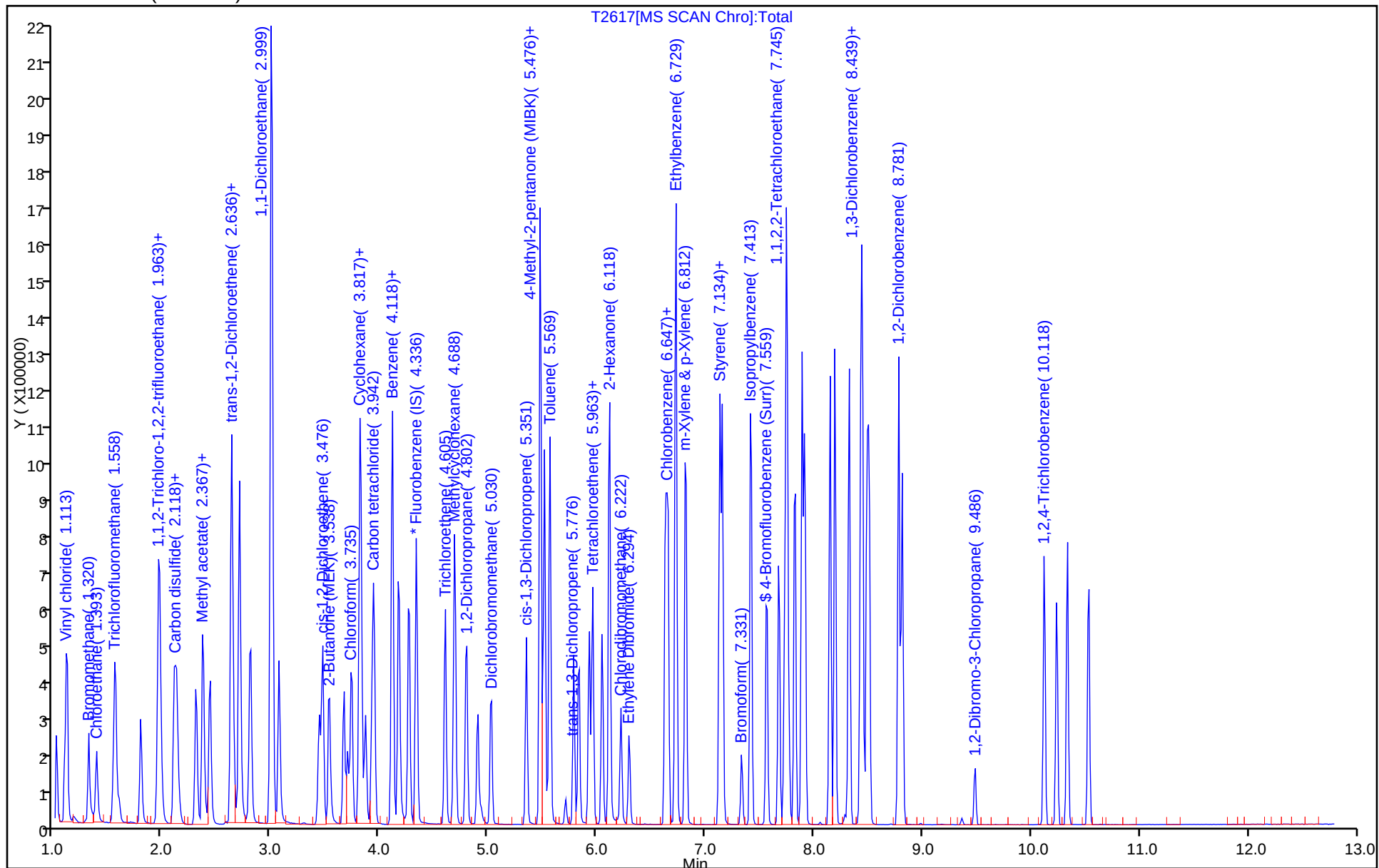
Dil. Factor: 4.0000

ALS Bottle#: 26

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6D MS Lab Sample ID: 480-61593-2 MS

Matrix: Water Lab File ID: T2651.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:15

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 22:12

Soil Aliquot Vol: _____ Dilution Factor: 200

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

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

Analysis Batch No.: 189443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	5521		200	164
79-34-5	1,1,2,2-Tetrachloroethane	5015		200	42.0
79-00-5	1,1,2-Trichloroethane	5116		200	46.0
76-13-1	1,1,2-Trichlorotrifluoroethane	5336		200	62.0
75-34-3	1,1-Dichloroethane	16040		200	76.0
75-35-4	1,1-Dichloroethene	5471		200	58.0
120-82-1	1,2,4-Trichlorobenzene	5029		200	82.0
96-12-8	1,2-Dibromo-3-Chloropropane	4222		200	78.0
106-93-4	1,2-Dibromoethane (EDB)	5069		200	146
95-50-1	1,2-Dichlorobenzene	5306		200	158
107-06-2	1,2-Dichloroethane	5141		200	42.0
540-59-0	1,2-Dichloroethene, Total	10690		400	162
78-87-5	1,2-Dichloropropane	5238		200	144
541-73-1	1,3-Dichlorobenzene	5228		200	156
106-46-7	1,4-Dichlorobenzene	5061		200	168
78-93-3	2-Butanone (MEK)	22910		2000	264
591-78-6	2-Hexanone	23500		1000	248
108-10-1	4-Methyl-2-pentanone (MIBK)	23510		1000	420
67-64-1	Acetone	22270		2000	600
71-43-2	Benzene	5274		200	82.0
75-27-4	Bromodichloromethane	5104		200	78.0
75-25-2	Bromoform	4696		200	52.0
74-83-9	Bromomethane	7480		200	138
75-15-0	Carbon disulfide	5353		200	38.0
56-23-5	Carbon tetrachloride	5221		200	54.0
108-90-7	Chlorobenzene	5224		200	150
124-48-1	Chlorodibromomethane	4942		200	64.0
75-00-3	Chloroethane	5867		200	64.0
67-66-3	Chloroform	5387		200	68.0
74-87-3	Chloromethane	4280		200	70.0
156-59-2	cis-1,2-Dichloroethene	5373		200	162
10061-01-5	cis-1,3-Dichloropropene	5048		200	72.0
110-82-7	Cyclohexane	5157		200	36.0
75-71-8	Dichlorodifluoromethane	3548		200	136
100-41-4	Ethylbenzene	5149		200	148
98-82-8	Isopropylbenzene	5185		200	158

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6D MS Lab Sample ID: 480-61593-2 MS

Matrix: Water Lab File ID: T2651.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:15

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 22:12

Soil Aliquot Vol: _____ Dilution Factor: 200

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

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

Analysis Batch No.: 189443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	23830		200	100
1634-04-4	Methyl tert-butyl ether	5040		200	32.0
108-87-2	Methylcyclohexane	5065		200	32.0
75-09-2	Methylene Chloride	5895		200	88.0
100-42-5	Styrene	5472		200	146
127-18-4	Tetrachloroethene	4925		200	72.0
108-88-3	Toluene	5236		200	102
156-60-5	trans-1,2-Dichloroethene	5315		200	180
10061-02-6	trans-1,3-Dichloropropene	4834		200	74.0
79-01-6	Trichloroethene	5074		200	92.0
75-69-4	Trichlorofluoromethane	5201		200	176
75-01-4	Vinyl chloride	4431		200	180
1330-20-7	Xylenes, Total	10380		400	132

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		60-140
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2651.D
 Lims ID: 480-61593-C-2 MS
 Client ID:
 Sample Type: MS
 Inject. Date: 24-Jun-2014 22:12:30 ALS Bottle#: 60 Worklist Smp#: 31
 Purge Vol: 5.000 mL Dil. Factor: 200.0000
 Sample Info: 480-61593-C-2 MS
 Misc. Info.: 480-0033223-031
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 25-Jun-2014 08:49:41 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK037

First Level Reviewer: manc

Date: 25-Jun-2014 08:50:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.335	0.001	98	454114	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	86	336013	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	94	171949	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	119811	25.0	25.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	148182	25.0	23.9	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	92	445152	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	88	124451	25.0	24.9	
11 Dichlorodifluoromethane	85	0.916	0.905	0.011	87	119650	25.0	17.7	
13 Chloromethane	50	1.030	1.019	0.011	88	144949	25.0	21.4	
14 Vinyl chloride	62	1.102	1.102	0.000	84	140890	25.0	22.2	
15 Bromomethane	94	1.320	1.320	0.000	93	81335	25.0	37.4	
16 Chloroethane	64	1.392	1.382	0.010	99	94462	25.0	29.3	
17 Trichlorofluoromethane	101	1.548	1.537	0.011	85	174456	25.0	26.0	
20 1,1,2-Trichloro-1,2,2-trif	101	1.973	1.962	0.011	85	125820	25.0	26.7	
22 1,1-Dichloroethene	96	1.962	1.962	0.000	86	123266	25.0	27.4	
23 Acetone	43	2.118	2.118	0.000	98	258365	125.0	111.4	
25 Carbon disulfide	76	2.128	2.128	0.000	100	387256	25.0	26.8	
28 Methyl acetate	43	2.377	2.377	0.000	98	633830	125.0	119.1	
30 Methylene Chloride	84	2.439	2.439	0.000	91	149247	25.0	29.5	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	89	131936	25.0	26.6	
33 Methyl tert-butyl ether	73	2.646	2.646	0.000	93	414980	25.0	25.2	
36 1,1-Dichloroethane	63	2.999	2.999	0.000	86	771432	25.0	80.2	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	71	148047	25.0	26.9	
44 2-Butanone (MEK)	43	3.538	3.538	0.000	100	401120	125.0	114.5	
50 Chloroform	83	3.745	3.734	0.011	83	250995	25.0	26.9	
52 Cyclohexane	56	3.817	3.817	0.000	94	255857	25.0	25.8	
51 1,1,1-Trichloroethane	97	3.817	3.817	0.000	90	201941	25.0	27.6	
53 Carbon tetrachloride	117	3.931	3.931	0.000	81	157925	25.0	26.1	
55 Benzene	78	4.118	4.118	0.000	97	537434	25.0	26.4	
57 1,2-Dichloroethane	62	4.180	4.180	0.000	91	209334	25.0	25.7	
1 1,4-Difluorobenzene	114		4.429					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
60 Trichloroethene	95	4.605	4.605	0.000	93	136693	25.0	25.4	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	223009	25.0	25.3	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	88	142868	25.0	26.2	
67 Dichlorobromomethane	83	5.030	5.030	0.000	91	170145	25.0	25.5	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	87	195813	25.0	25.2	
72 4-Methyl-2-pentanone (MIBK)	43	5.475	5.475	0.000	98	891461	125.0	117.5	
73 Toluene	92	5.569	5.569	0.000	97	333580	25.0	26.2	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	94	166130	25.0	24.2	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	88	109877	25.0	25.6	
79 Tetrachloroethene	166	5.963	5.962	0.001	85	126360	25.0	24.6	
81 2-Hexanone	43	6.118	6.118	0.000	97	642830	125.0	117.5	
82 Chlorodibromomethane	129	6.222	6.222	0.000	90	118017	25.0	24.7	
83 Ethylene Dibromide	107	6.294	6.294	0.000	98	126303	25.0	25.3	
86 Chlorobenzene	112	6.657	6.657	0.000	94	373037	25.0	26.1	
88 Ethylbenzene	91	6.729	6.729	0.000	99	643008	25.0	25.7	
90 m-Xylene & p-Xylene	106	6.812	6.823	-0.011	0	241966		25.8	
91 o-Xylene	106	7.134	7.133	0.001	98	238440		26.1	
92 Styrene	104	7.154	7.154	0.000	95	422451	25.0	27.4	
93 Bromoform	173	7.330	7.330	0.000	92	62398	25.0	23.5	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	639553	25.0	25.9	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	88	184674	25.0	25.1	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	95	290475	25.0	26.1	
113 1,4-Dichlorobenzene	146	8.501	8.512	-0.011	87	293279	25.0	25.3	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	93	289285	25.0	26.5	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	70	27304	25.0	21.1	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	92	172591	25.0	25.1	
S 124 1,2-Dichloroethene, Total	1				0			53.4	
S 126 Xylenes, Total	1				0			51.9	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2651.D

Injection Date: 24-Jun-2014 22:12:30

Instrument ID: HP5975T

Operator ID: LH/CN

Lims ID: 480-61593-C-2 MS

Worklist Smp#: 31

Client ID:

Purge Vol: 5.000 mL

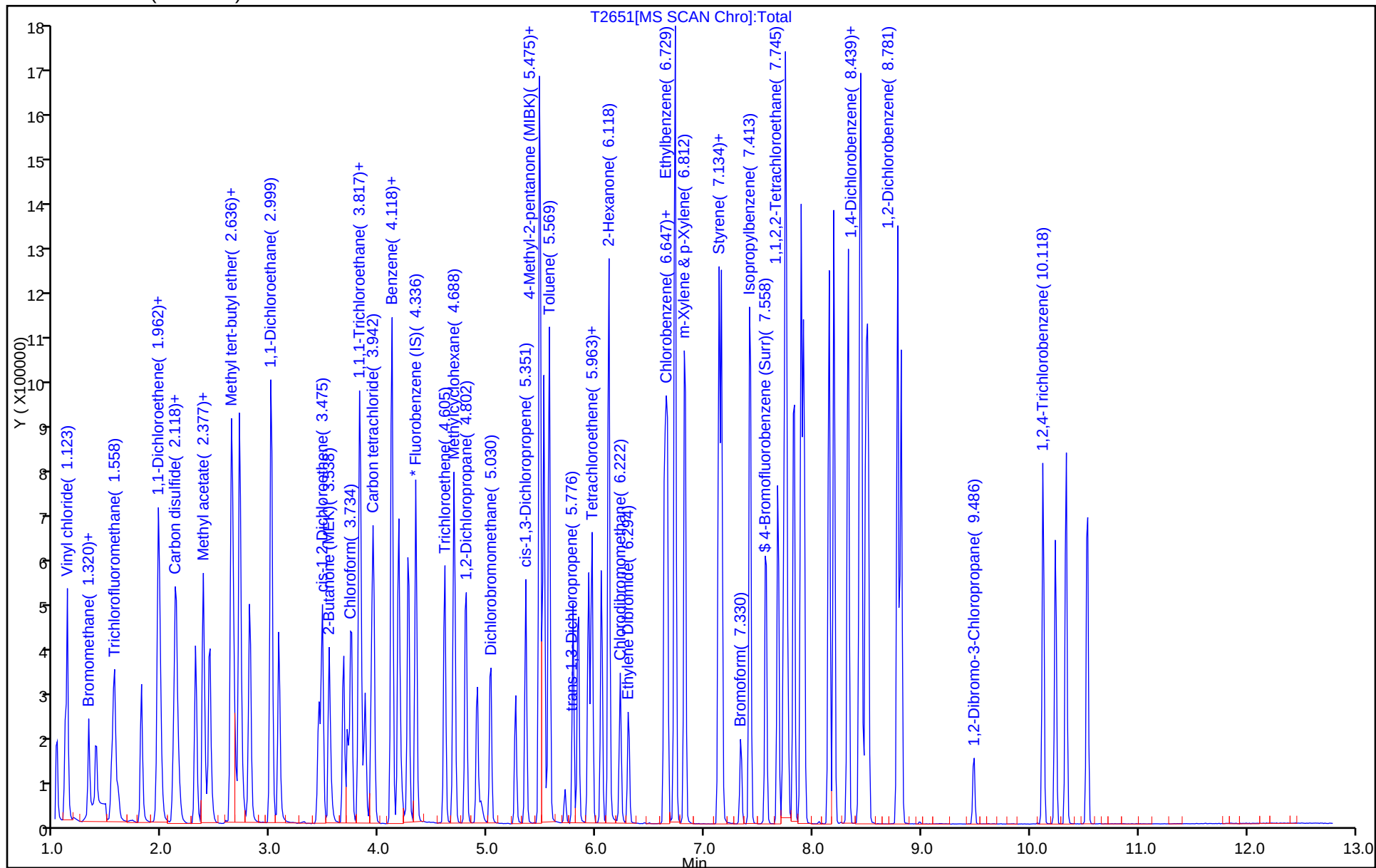
Dil. Factor: 200.0000

ALS Bottle#: 60

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6S MSD MSD Lab Sample ID: 480-61593-1 MSD

Matrix: Water Lab File ID: T2618.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:00

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 08:56

Soil Aliquot Vol: _____ Dilution Factor: 4

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

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

Analysis Batch No.: 189394 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	130.6		4.00	3.28
79-34-5	1,1,2,2-Tetrachloroethane	91.50		4.00	0.840
79-00-5	1,1,2-Trichloroethane	91.67		4.00	0.920
76-13-1	1,1,2-Trichlorotrifluoroethane	97.53		4.00	1.24
75-34-3	1,1-Dichloroethane	664.5		4.00	1.52
75-35-4	1,1-Dichloroethene	110.3		4.00	1.16
120-82-1	1,2,4-Trichlorobenzene	88.56		4.00	1.64
96-12-8	1,2-Dibromo-3-Chloropropane	82.51		4.00	1.56
106-93-4	1,2-Dibromoethane (EDB)	94.15		4.00	2.92
95-50-1	1,2-Dichlorobenzene	91.78		4.00	3.16
107-06-2	1,2-Dichloroethane	92.45		4.00	0.840
540-59-0	1,2-Dichloroethene, Total	197.0		8.00	3.24
78-87-5	1,2-Dichloropropane	93.79		4.00	2.88
541-73-1	1,3-Dichlorobenzene	93.23		4.00	3.12
106-46-7	1,4-Dichlorobenzene	91.61		4.00	3.36
78-93-3	2-Butanone (MEK)	403.6		40.0	5.28
591-78-6	2-Hexanone	441.8		20.0	4.96
108-10-1	4-Methyl-2-pentanone (MIBK)	439.6		20.0	8.40
67-64-1	Acetone	400.4		40.0	12.0
71-43-2	Benzene	94.04		4.00	1.64
75-27-4	Bromodichloromethane	94.36		4.00	1.56
75-25-2	Bromoform	90.12		4.00	1.04
74-83-9	Bromomethane	135.4		4.00	2.76
75-15-0	Carbon disulfide	90.44		4.00	0.760
56-23-5	Carbon tetrachloride	98.01		4.00	1.08
108-90-7	Chlorobenzene	96.97		4.00	3.00
124-48-1	Chlorodibromomethane	92.11		4.00	1.28
75-00-3	Chloroethane	142.5		4.00	1.28
67-66-3	Chloroform	95.02		4.00	1.36
74-87-3	Chloromethane	90.88		4.00	1.40
156-59-2	cis-1,2-Dichloroethene	100.4		4.00	3.24
10061-01-5	cis-1,3-Dichloropropene	88.67		4.00	1.44
110-82-7	Cyclohexane	94.76		4.00	0.720
75-71-8	Dichlorodifluoromethane	79.01		4.00	2.72
100-41-4	Ethylbenzene	93.68		4.00	2.96
98-82-8	Isopropylbenzene	93.70		4.00	3.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6S MSD MSD Lab Sample ID: 480-61593-1 MSD

Matrix: Water Lab File ID: T2618.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:00

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 08:56

Soil Aliquot Vol: _____ Dilution Factor: 4

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

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

Analysis Batch No.: 189394 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	413.3		4.00	2.00
1634-04-4	Methyl tert-butyl ether	90.47		4.00	0.640
108-87-2	Methylcyclohexane	94.11		4.00	0.640
75-09-2	Methylene Chloride	103.1		4.00	1.76
100-42-5	Styrene	98.81		4.00	2.92
127-18-4	Tetrachloroethene	90.56		4.00	1.44
108-88-3	Toluene	94.65		4.00	2.04
156-60-5	trans-1,2-Dichloroethene	96.63		4.00	3.60
10061-02-6	trans-1,3-Dichloropropene	88.79		4.00	1.48
79-01-6	Trichloroethene	91.27		4.00	1.84
75-69-4	Trichlorofluoromethane	100.7		4.00	3.52
75-01-4	Vinyl chloride	88.13		4.00	3.60
1330-20-7	Xylenes, Total	188.9		8.00	2.64

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		60-140
2037-26-5	Toluene-d8 (Surr)	98		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2618.D
 Lims ID: 480-61593-B-1 MSD
 Client ID: MW-6S MSD
 Sample Type: MSD
 Inject. Date: 24-Jun-2014 08:56:30 ALS Bottle#: 27 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 4.0000
 Sample Info: 480-61593-B-1 MSD
 Misc. Info.: 480-0033215-013
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jun-2014 08:22:37 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: manc

Date: 24-Jun-2014 11:49:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.335	0.001	98	491874	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	87	355383	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	94	184856	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	56	126200	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	161413	25.0	24.1	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	92	466401	25.0	24.6	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	88	135339	25.0	25.6	
11 Dichlorodifluoromethane	85	0.916	0.905	0.011	86	144297	25.0	19.8	
13 Chloromethane	50	1.019	1.019	0.000	88	166688	25.0	22.7	
14 Vinyl chloride	62	1.102	1.102	0.000	84	151776	25.0	22.0	
15 Bromomethane	94	1.320	1.320	0.000	93	79933	25.0	33.9	
16 Chloroethane	64	1.393	1.392	0.001	95	124240	25.0	35.6	
17 Trichlorofluoromethane	101	1.558	1.558	0.000	83	182879	25.0	25.2	
22 1,1-Dichloroethene	96	1.973	1.962	0.011	87	134639	25.0	27.6	
20 1,1,2-Trichloro-1,2,2-trif	101	1.973	1.973	0.000	84	124536	25.0	24.4	
23 Acetone	43	2.108	2.107	0.001	98	251545	125.0	100.1	
25 Carbon disulfide	76	2.128	2.128	0.000	100	354349	25.0	22.6	
28 Methyl acetate	43	2.367	2.367	0.001	98	595396	125.0	103.3	
30 Methylene Chloride	84	2.439	2.439	0.000	91	142099	25.0	25.8	
33 Methyl tert-butyl ether	73	2.636	2.636	0.000	91	403385	25.0	22.6	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	90	129915	25.0	24.2	
36 1,1-Dichloroethane	63	2.999	2.999	0.000	86	1731042	25.0	166.1	E
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	71	149773	25.0	25.1	
44 2-Butanone (MEK)	43	3.527	3.527	0.000	99	382695	125.0	100.9	
50 Chloroform	83	3.735	3.734	0.001	83	239760	25.0	23.8	
51 1,1,1-Trichloroethane	97	3.828	3.817	0.011	91	258724	25.0	32.7	
52 Cyclohexane	56	3.817	3.817	0.000	93	254626	25.0	23.7	
53 Carbon tetrachloride	117	3.931	3.931	0.000	84	160571	25.0	24.5	
55 Benzene	78	4.118	4.118	0.000	96	519037	25.0	23.5	
57 1,2-Dichloroethane	62	4.180	4.170	0.010	91	203869	25.0	23.1	
1 1,4-Difluorobenzene	114		4.429					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
60 Trichloroethene	95	4.605	4.605	0.000	93	133153	25.0	22.8	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	224421	25.0	23.5	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	89	138549	25.0	23.4	
67 Dichlorobromomethane	83	5.020	5.019	0.001	92	170344	25.0	23.6	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	88	186276	25.0	22.2	
72 4-Methyl-2-pentanone (MIBK)	43	5.476	5.475	0.001	98	881588	125.0	109.9	
73 Toluene	92	5.569	5.569	0.000	97	318882	25.0	23.7	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	94	161359	25.0	22.2	
78 1,1,2-Trichloroethane	83	5.932	5.931	0.001	89	104115	25.0	22.9	
79 Tetrachloroethene	166	5.963	5.962	0.001	85	122861	25.0	22.6	
81 2-Hexanone	43	6.118	6.118	0.000	97	639012	125.0	110.4	
82 Chlorodibromomethane	129	6.222	6.222	0.000	90	116325	25.0	23.0	
83 Ethylene Dibromide	107	6.294	6.294	0.000	97	124046	25.0	23.5	
86 Chlorobenzene	112	6.657	6.657	0.000	93	366138	25.0	24.2	
88 Ethylbenzene	91	6.729	6.729	0.000	99	618693	25.0	23.4	
90 m-Xylene & p-Xylene	106	6.823	6.823	0.000	0	233287		23.5	
91 o-Xylene	106	7.134	7.134	0.000	98	228848		23.7	
92 Styrene	104	7.154	7.154	0.000	95	403417	25.0	24.7	
93 Bromoform	173	7.331	7.330	0.001	92	63332	25.0	22.5	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	621280	25.0	23.4	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	89	181115	25.0	22.9	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	95	278433	25.0	23.3	
113 1,4-Dichlorobenzene	146	8.502	8.501	0.001	86	285341	25.0	22.9	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	93	268988	25.0	22.9	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	68	28686	25.0	20.6	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	91	163357	25.0	22.1	
S 126 Xylenes, Total	1				0			47.2	
S 124 1,2-Dichloroethene, Total	1				0			49.2	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140623-33215.b\T2618.D

Injection Date: 24-Jun-2014 08:56:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-61593-B-1 MSD

Worklist Smp#: 13

Client ID: MW-6S MSD

Purge Vol: 5.000 mL

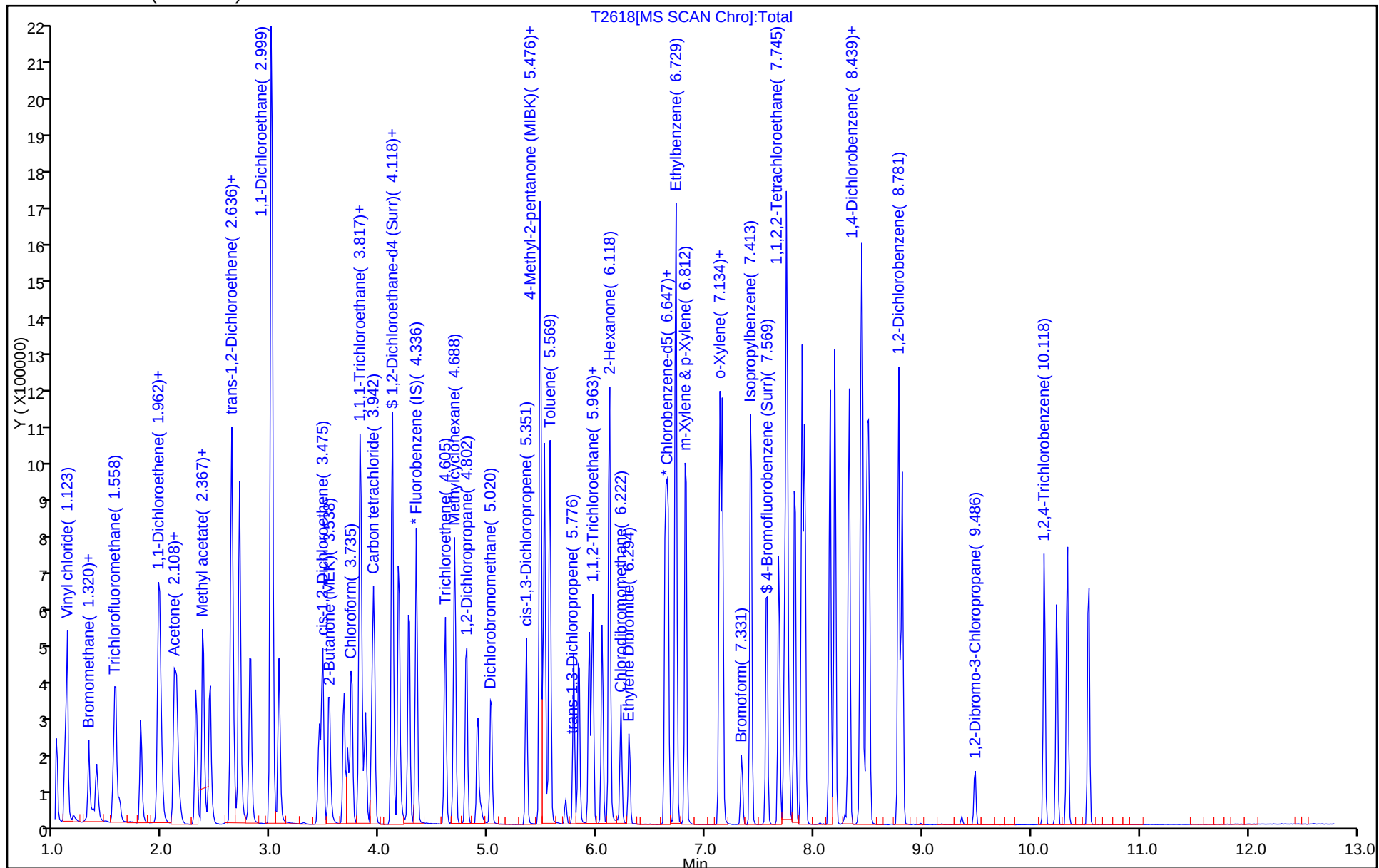
Dil. Factor: 4.0000

ALS Bottle#: 27

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6D MSD Lab Sample ID: 480-61593-2 MSD

Matrix: Water Lab File ID: T2652.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:15

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 22:35

Soil Aliquot Vol: _____ Dilution Factor: 200

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

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

Analysis Batch No.: 189443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	5412		200	164
79-34-5	1,1,2,2-Tetrachloroethane	4926		200	42.0
79-00-5	1,1,2-Trichloroethane	4931		200	46.0
76-13-1	1,1,2-Trichlorotrifluoroethane	5146		200	62.0
75-34-3	1,1-Dichloroethane	15970		200	76.0
75-35-4	1,1-Dichloroethene	5415		200	58.0
120-82-1	1,2,4-Trichlorobenzene	4781		200	82.0
96-12-8	1,2-Dibromo-3-Chloropropane	4245		200	78.0
106-93-4	1,2-Dibromoethane (EDB)	5052		200	146
95-50-1	1,2-Dichlorobenzene	5103		200	158
107-06-2	1,2-Dichloroethane	5131		200	42.0
540-59-0	1,2-Dichloroethene, Total	10730		400	162
78-87-5	1,2-Dichloropropane	5160		200	144
541-73-1	1,3-Dichlorobenzene	5147		200	156
106-46-7	1,4-Dichlorobenzene	5093		200	168
78-93-3	2-Butanone (MEK)	22830		2000	264
591-78-6	2-Hexanone	22960		1000	248
108-10-1	4-Methyl-2-pentanone (MIBK)	23420		1000	420
67-64-1	Acetone	22180		2000	600
71-43-2	Benzene	5220		200	82.0
75-27-4	Bromodichloromethane	5078		200	78.0
75-25-2	Bromoform	4557		200	52.0
74-83-9	Bromomethane	7554		200	138
75-15-0	Carbon disulfide	5179		200	38.0
56-23-5	Carbon tetrachloride	5184		200	54.0
108-90-7	Chlorobenzene	5126		200	150
124-48-1	Chlorodibromomethane	4683		200	64.0
75-00-3	Chloroethane	5717		200	64.0
67-66-3	Chloroform	5384		200	68.0
74-87-3	Chloromethane	4451		200	70.0
156-59-2	cis-1,2-Dichloroethene	5285		200	162
10061-01-5	cis-1,3-Dichloropropene	4868		200	72.0
110-82-7	Cyclohexane	5011		200	36.0
75-71-8	Dichlorodifluoromethane	3508		200	136
100-41-4	Ethylbenzene	5121		200	148
98-82-8	Isopropylbenzene	5055		200	158

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Client Sample ID: MW-6D MSD Lab Sample ID: 480-61593-2 MSD

Matrix: Water Lab File ID: T2652.D

Analysis Method: 8260C Date Collected: 06/10/2014 13:15

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 22:35

Soil Aliquot Vol: _____ Dilution Factor: 200

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

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

Analysis Batch No.: 189443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	23630		200	100
1634-04-4	Methyl tert-butyl ether	5078		200	32.0
108-87-2	Methylcyclohexane	4895		200	32.0
75-09-2	Methylene Chloride	5813		200	88.0
100-42-5	Styrene	5363		200	146
127-18-4	Tetrachloroethene	4734		200	72.0
108-88-3	Toluene	5067		200	102
156-60-5	trans-1,2-Dichloroethene	5440		200	180
10061-02-6	trans-1,3-Dichloropropene	4753		200	74.0
79-01-6	Trichloroethene	5083		200	92.0
75-69-4	Trichlorofluoromethane	5246		200	176
75-01-4	Vinyl chloride	4288		200	180
1330-20-7	Xylenes, Total	10220		400	132

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2652.D
 Lims ID: 480-61593-C-2 MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 24-Jun-2014 22:35:30 ALS Bottle#: 61 Worklist Smp#: 32
 Purge Vol: 5.000 mL Dil. Factor: 200.0000
 Sample Info: 480-61593-C-2 MSD
 Misc. Info.: 480-0033223-032
 Operator ID: LH/CN Instrument ID: HP5975T
 Method: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 25-Jun-2014 08:49:41 Calib Date: 06-Jun-2014 22:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5975T\20140606-32722.b\T1934.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK037

First Level Reviewer: manc

Date: 25-Jun-2014 09:04:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	96	4.336	4.335	0.001	98	475049	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.636	6.636	0.000	87	355077	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.491	8.491	0.000	65	181792	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	3.869	3.869	0.000	55	122666	25.0	25.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.118	4.118	0.000	0	156721	25.0	24.2	
\$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	92	466808	25.0	24.6	
\$ 7 4-Bromofluorobenzene (Surr	174	7.569	7.569	0.000	86	132286	25.0	25.0	
11 Dichlorodifluoromethane	85	0.916	0.905	0.011	87	123750	25.0	17.5	
13 Chloromethane	50	1.019	1.019	0.000	88	157685	25.0	22.3	
14 Vinyl chloride	62	1.102	1.102	0.000	84	142650	25.0	21.4	
15 Bromomethane	94	1.320	1.320	0.000	92	85908	25.0	37.8	
16 Chloroethane	64	1.382	1.382	0.000	99	96288	25.0	28.6	
17 Trichlorofluoromethane	101	1.538	1.537	0.001	83	184089	25.0	26.2	
20 1,1,2-Trichloro-1,2,2-trif	101	1.962	1.962	0.000	53	126916	25.0	25.7	
22 1,1-Dichloroethene	96	1.962	1.962	0.000	86	127633	25.0	27.1	
23 Acetone	43	2.118	2.118	0.000	77	269210	125.0	110.9	
25 Carbon disulfide	76	2.128	2.128	0.000	100	391936	25.0	25.9	
28 Methyl acetate	43	2.377	2.377	0.000	98	657721	125.0	118.2	
30 Methylene Chloride	84	2.439	2.439	0.000	92	154037	25.0	29.1	
32 trans-1,2-Dichloroethene	96	2.636	2.636	0.000	90	141270	25.0	27.2	
33 Methyl tert-butyl ether	73	2.646	2.646	0.000	93	437384	25.0	25.4	
36 1,1-Dichloroethane	63	2.999	2.999	0.000	86	803867	25.0	79.9	
43 cis-1,2-Dichloroethene	96	3.475	3.475	0.000	69	152339	25.0	26.4	
44 2-Butanone (MEK)	43	3.538	3.538	0.000	99	418203	125.0	114.2	
50 Chloroform	83	3.734	3.734	0.000	83	262396	25.0	26.9	
52 Cyclohexane	56	3.817	3.817	0.000	94	260103	25.0	25.1	
51 1,1,1-Trichloroethane	97	3.817	3.817	0.000	90	207075	25.0	27.1	
53 Carbon tetrachloride	117	3.931	3.931	0.000	83	164045	25.0	25.9	
55 Benzene	78	4.118	4.118	0.000	98	556508	25.0	26.1	
57 1,2-Dichloroethane	62	4.180	4.180	0.000	91	218533	25.0	25.7	
1 1,4-Difluorobenzene	114		4.429					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
60 Trichloroethene	95	4.605	4.605	0.000	92	143228	25.0	25.4	
62 Methylcyclohexane	83	4.688	4.688	0.000	95	225503	25.0	24.5	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	89	147240	25.0	25.8	
67 Dichlorobromomethane	83	5.030	5.030	0.000	92	177074	25.0	25.4	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	88	197537	25.0	24.3	
72 4-Methyl-2-pentanone (MIBK)	43	5.475	5.475	0.000	99	938373	125.0	117.1	
73 Toluene	92	5.569	5.569	0.000	97	341111	25.0	25.3	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	94	172595	25.0	23.8	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	88	111897	25.0	24.7	
79 Tetrachloroethene	166	5.963	5.962	0.001	82	128354	25.0	23.7	
81 2-Hexanone	43	6.118	6.118	0.000	98	663578	125.0	114.8	
82 Chlorodibromomethane	129	6.222	6.222	0.000	88	118178	25.0	23.4	
83 Ethylene Dibromide	107	6.294	6.294	0.000	97	133005	25.0	25.3	
86 Chlorobenzene	112	6.657	6.657	0.000	93	386757	25.0	25.6	
88 Ethylbenzene	91	6.729	6.729	0.000	99	675866	25.0	25.6	
90 m-Xylene & p-Xylene	106	6.812	6.823	-0.011	0	253615		25.6	
91 o-Xylene	106	7.134	7.133	0.001	98	246295		25.5	
92 Styrene	104	7.154	7.154	0.000	95	437493	25.0	26.8	
93 Bromoform	173	7.330	7.330	0.000	93	63991	25.0	22.8	
95 Isopropylbenzene	105	7.413	7.413	0.000	97	659187	25.0	25.3	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	87	191781	25.0	24.6	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	95	302352	25.0	25.7	
113 1,4-Dichlorobenzene	146	8.501	8.512	-0.011	92	312001	25.0	25.5	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	93	294186	25.0	25.5	
117 1,2-Dibromo-3-Chloropropan	75	9.486	9.486	0.000	71	29025	25.0	21.2	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	89	173456	25.0	23.9	
S 124 1,2-Dichloroethene, Total	1				0			53.6	
S 126 Xylenes, Total	1				0			51.1	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975T\20140624-33223.b\T2652.D

Injection Date: 24-Jun-2014 22:35:30

Instrument ID: HP5975T

Lims ID: 480-61593-C-2 MSD

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 200.0000

Method: T-8260

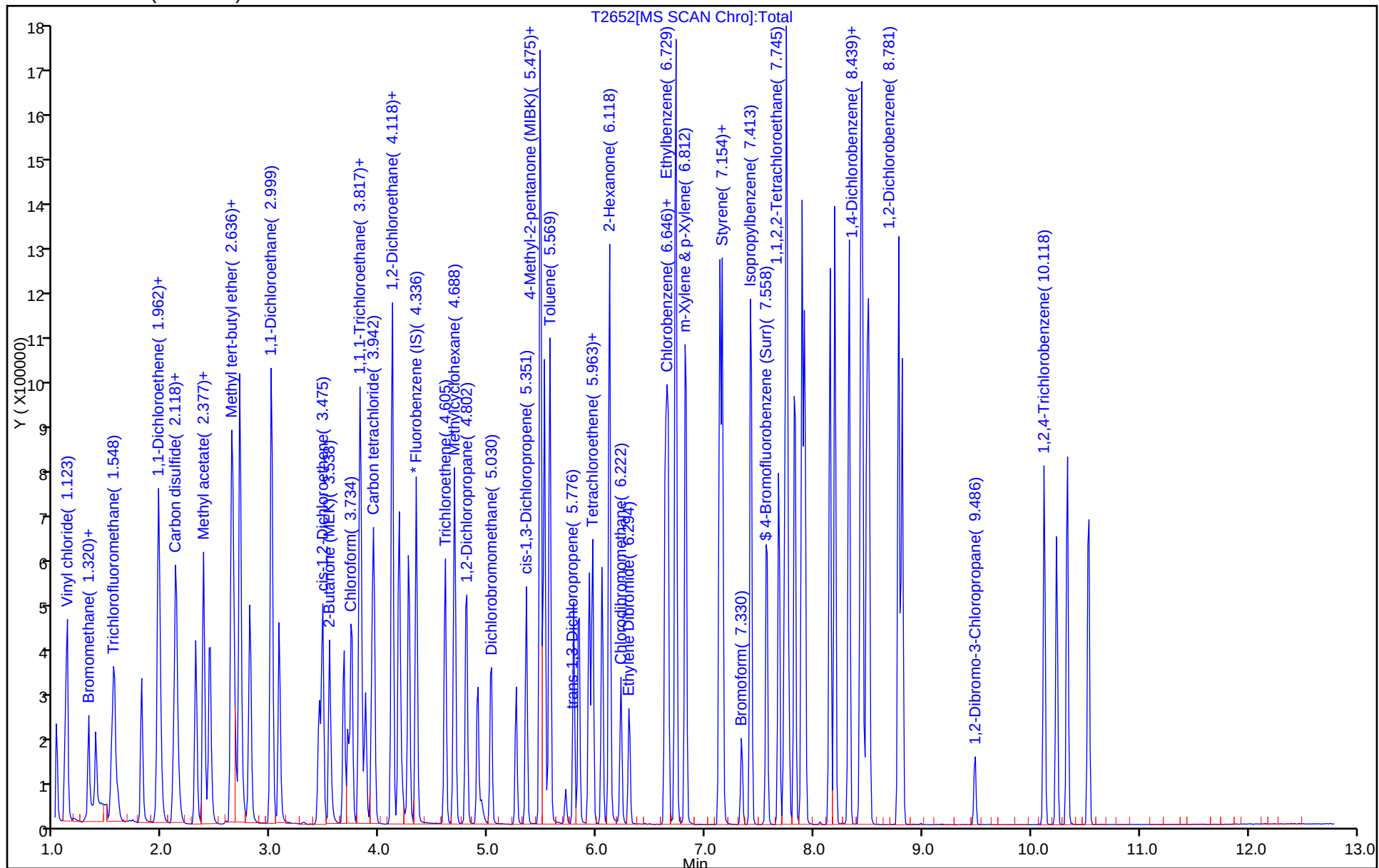
Limit Group: MV - 8260C ICAL

Operator ID: LH/CN

Worklist Smp#: 32

ALS Bottle#: 61

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Instrument ID: HP5975T Start Date: 06/06/2014 15:38Analysis Batch Number: 186217 End Date: 06/07/2014 00:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-186217/2		06/06/2014 15:38	1	T1916.D	ZB-624 (60) 0.25 (mm)
IC 480-186217/4		06/06/2014 16:26	1	T1918.D	ZB-624 (60) 0.25 (mm)
IC 480-186217/5		06/06/2014 16:50	1	T1919.D	ZB-624 (60) 0.25 (mm)
IC 480-186217/6		06/06/2014 17:14	1	T1920.D	ZB-624 (60) 0.25 (mm)
IC 480-186217/7		06/06/2014 17:37	1	T1921.D	ZB-624 (60) 0.25 (mm)
ICIS 480-186217/8		06/06/2014 18:01	1	T1922.D	ZB-624 (60) 0.25 (mm)
IC 480-186217/9		06/06/2014 18:25	1	T1923.D	ZB-624 (60) 0.25 (mm)
IC 480-186217/10		06/06/2014 18:49	1	T1924.D	ZB-624 (60) 0.25 (mm)
MDLV 480-186217/12		06/06/2014 19:37	1		ZB-624 (60) 0.25 (mm)
IC 480-186217/14		06/06/2014 20:24	1		ZB-624 (60) 0.25 (mm)
IC 480-186217/15		06/06/2014 20:49	1		ZB-624 (60) 0.25 (mm)
IC 480-186217/16		06/06/2014 21:13	1		ZB-624 (60) 0.25 (mm)
IC 480-186217/17		06/06/2014 21:37	1		ZB-624 (60) 0.25 (mm)
IC 480-186217/18		06/06/2014 22:01	1		ZB-624 (60) 0.25 (mm)
IC 480-186217/19		06/06/2014 22:25	1		ZB-624 (60) 0.25 (mm)
IC 480-186217/20		06/06/2014 22:48	1		ZB-624 (60) 0.25 (mm)
MDLV 480-186217/22		06/06/2014 23:37	1		ZB-624 (60) 0.25 (mm)
ICV 480-186217/24		06/07/2014 00:25	1	T1938.D	ZB-624 (60) 0.25 (mm)
ICV 480-186217/25		06/07/2014 00:48	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Instrument ID: HP5975T Start Date: 06/23/2014 09:51Analysis Batch Number: 189279 End Date: 06/23/2014 22:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-189279/2		06/23/2014 09:51	1	T2561.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-189279/3		06/23/2014 10:21	1	T2562.D	ZB-624 (60) 0.25 (mm)
CCV 480-189279/4		06/23/2014 11:00	1		ZB-624 (60) 0.25 (mm)
MDLV 480-189279/6		06/23/2014 11:56	1		ZB-624 (60) 0.25 (mm)
LCS 480-189279/31		06/23/2014 12:24	1	T2566.D	ZB-624 (60) 0.25 (mm)
MB 480-189279/8		06/23/2014 13:29	1	T2569.D	ZB-624 (60) 0.25 (mm)
480-61593-1	MW-6S	06/23/2014 14:01	1	T2570.D	ZB-624 (60) 0.25 (mm)
480-61593-2	MW-6D	06/23/2014 14:25	1	T2571.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 14:49	1		ZB-624 (60) 0.25 (mm)
480-61593-4	MW-7D	06/23/2014 15:13	1	T2573.D	ZB-624 (60) 0.25 (mm)
480-61593-5	RW-01	06/23/2014 15:36	1	T2574.D	ZB-624 (60) 0.25 (mm)
480-61593-6	RW-01-FD	06/23/2014 16:00	1	T2575.D	ZB-624 (60) 0.25 (mm)
480-61593-7	TB-01	06/23/2014 16:24	1	T2576.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 16:49	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 17:13	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 17:37	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 18:00	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 18:24	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 18:48	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 19:12	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 19:35	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 19:59	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 20:23	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 20:47	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 21:11	40		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 21:35	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 21:59	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/23/2014 22:23	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-61593-1

SDG No.: _____

Instrument ID: HP5975TStart Date: 06/23/2014 22:45Analysis Batch Number: 189394End Date: 06/24/2014 09:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-189394/1		06/23/2014 22:45	1	T2592.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-189394/2		06/23/2014 23:10	1	T2593.D	ZB-624 (60) 0.25 (mm)
CCV 480-189394/3		06/23/2014 23:34	1		ZB-624 (60) 0.25 (mm)
LCS 480-189394/4		06/23/2014 23:58	1	T2595.D	ZB-624 (60) 0.25 (mm)
MB 480-189394/8		06/24/2014 01:09	1	T2598.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 01:47	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 02:11	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 02:35	1		ZB-624 (60) 0.25 (mm)
480-61593-1 DL	MW-6S DL	06/24/2014 02:59	4	T2603.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 03:46	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 04:10	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 04:34	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 04:58	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 05:22	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 05:46	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 06:10	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 06:34	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 07:21	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 07:45	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 08:09	1		ZB-624 (60) 0.25 (mm)
480-61593-1 MS	MW-6S MS MS	06/24/2014 08:32	4	T2617.D	ZB-624 (60) 0.25 (mm)
480-61593-1 MSD	MW-6S MSD MSD	06/24/2014 08:56	4	T2618.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 09:20	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 09:44	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-61593-1

SDG No.: _____

Instrument ID: HP5975T Start Date: 06/24/2014 10:53Analysis Batch Number: 189443 End Date: 06/24/2014 22:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-189443/10		06/24/2014 10:53	1	T2624.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-189443/2		06/24/2014 11:21	1	T2625.D	ZB-624 (60) 0.25 (mm)
CCV 480-189443/3		06/24/2014 11:59	1		ZB-624 (60) 0.25 (mm)
LCS 480-189443/4		06/24/2014 12:23	1	T2627.D	ZB-624 (60) 0.25 (mm)
MDLV 480-189443/5		06/24/2014 12:54	1		ZB-624 (60) 0.25 (mm)
MB 480-189443/8		06/24/2014 13:42	1	T2630.D	ZB-624 (60) 0.25 (mm)
480-61593-2 DL	MW-6D DL	06/24/2014 14:15	200	T2631.D	ZB-624 (60) 0.25 (mm)
480-61593-3	MW-7S	06/24/2014 14:39	1	T2632.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 15:03	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 15:27	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 15:50	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 16:14	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 16:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 17:02	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 17:25	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 17:49	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 18:13	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 18:37	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 19:01	50		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 19:24	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 19:48	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 20:12	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 20:36	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 21:00	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 21:24	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		06/24/2014 21:47	2		ZB-624 (60) 0.25 (mm)
480-61593-2 MS	MW-6D MS	06/24/2014 22:12	200	T2651.D	ZB-624 (60) 0.25 (mm)
480-61593-2 MSD	MW-6D MSD	06/24/2014 22:35	200	T2652.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA Worksheet

Batch Number: 480-189279

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jun 23 2014 9:51AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00033	3MTP_WRK_00036
BFB~480-189279/2		8260C			1 uL	1 uL	HP5975T		
CCVIS~480-189279/3		8260C			5 mL	5 mL	HP5975T		
CCV~480-189279/4		8260C			5 mL	5 mL	HP5975T	12.5 uL	12.5 uL
MDLV~480-189279/6					5 mL	5 mL	HP5975T		
MB~480-189279/8		8260C			5 mL	5 mL	HP5975T		
480-61593-A-1	MW-6S	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61593-A-1~MS	MW-6S MS	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61593-A-1~MSD	MW-6S MSD	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
D									
480-61593-A-2	MW-6D	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61593-A-3	MW-7S	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61593-A-4	MW-7D	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61593-A-5	RW-01	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61593-A-6	RW-01-FD	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61593-A-7	TB-01	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61623-A-1	MW-01-06-10-2014	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61623-A-2	MW-02-06-10-2014	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61623-A-3	MW-03-06-10-2014	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61623-A-4	MW-04-06-10-2014	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61623-A-5	MW-05-06-10-2014	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61623-A-6	MW-07-06-10-2014	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61623-A-7	DUP 2014	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61623-A-8	FB 2014	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61623-A-9	TB 2014	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61732-G-2	LTMW-S01-0614	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61904-G-1	SW-6	8260C	T	<2 SU	5 mL	5 mL	HP5975T		

GC/MS VOA Worksheet

Batch Number: 480-189279

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jun 23 2014 9:51AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00014	ADD CORP mix_00011	BFB_WRK_00034	GAS CORP mix_00032	T_8260_IS_00077	T_8260_Surr_00075
BFB~480-189279/2		8260C				1 uL			
CCVIS~480-189279/ 3		8260C		12.5 uL			12.5 uL	1 uL	1 uL
CCV~480-189279/4		8260C			12.5 uL			1 uL	1 uL
MDLV~480-189279/ 6				1 uL			1 uL	1 uL	1 uL
MB~480-189279/8		8260C						1 uL	1 uL
480-61593-A-1	MW-6S	8260C	T					1 uL	1 uL
480-61593-A-1~MS	MW-6S MS	8260C	T	12.5 uL			12.5 uL	1 uL	1 uL
480-61593-A-1~MS D	MW-6S MSD	8260C	T	12.5 uL			12.5 uL	1 uL	1 uL
480-61593-A-2	MW-6D	8260C	T					1 uL	1 uL
480-61593-A-3	MW-7S	8260C	T					1 uL	1 uL
480-61593-A-4	MW-7D	8260C	T					1 uL	1 uL
480-61593-A-5	RW-01	8260C	T					1 uL	1 uL
480-61593-A-6	RW-01-FD	8260C	T					1 uL	1 uL
480-61593-A-7	TB-01	8260C	T					1 uL	1 uL
480-61623-A-1	MW-01-06-10-2014	8260C	T					1 uL	1 uL
480-61623-A-2	MW-02-06-10-2014	8260C	T					1 uL	1 uL
480-61623-A-3	MW-03-06-10-2014	8260C	T					1 uL	1 uL
480-61623-A-4	MW-04-06-10-2014	8260C	T					1 uL	1 uL
480-61623-A-5	MW-05-06-10-2014	8260C	T					1 uL	1 uL
480-61623-A-6	MW-07-06-10-2014	8260C	T					1 uL	1 uL
480-61623-A-7	DUP 2014	8260C	T					1 uL	1 uL
480-61623-A-8	FB 2014	8260C	T					1 uL	1 uL
480-61623-A-9	TB 2014	8260C	T					1 uL	1 uL
480-61732-G-2	LTMW-S01-0614	8260C	T					1 uL	1 uL
480-61904-G-1	SW-6	8260C	T					1 uL	1 uL

GC/MS VOA Worksheet

Batch Number: 480-189279

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jun 23 2014 9:51AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00033	3MTP_WRK_00036
480-62409-C-9	SB-34D-GW (13-18)	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-62409-C-13	SB-35-GW (12.5-17.5)	8260C	T	7 SU	5 mL	5 mL	HP5975T		
LCS~480-189279/31		8260C			5 mL	5 mL	HP5975T		

GC/MS VOA Worksheet

Batch Number: 480-189279

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jun 23 2014 9:51AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00014	ADD CORP mix_00011	BFB_WRK_00034	GAS CORP mix_00032	T_8260_IS_00077	T_8260_Surr_00075
480-62409-C-9	SB-34D-GW (13-18)	8260C	T					1 uL	1 uL
480-62409-C-13	SB-35-GW (12.5-17.5)	8260C	T					1 uL	1 uL
LCS~480-189279/31		8260C		12.5 uL			12.5 uL	1 uL	1 uL

GC/MS VOA Worksheet

Batch Number: 480-189394

Method: 8260C

Analyst: Man, Chi x

Date Open: Jun 23 2014 10:45PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00033	3MTP_WRK_00036
BFB~480-189394/1		8260C			1 uL	1 uL	HP5975T		
CCVIS~480-189394/2		8260C			5 mL	5 mL	HP5975T		
CCV~480-189394/3		8260C			5 mL	5 mL	HP5975T	12.5 uL	12.5 uL
LCS~480-189394/4		8260C			5 mL	5 mL	HP5975T		
MB~480-189394/8		8260C			5 mL	5 mL	HP5975T		
480-61570-E-18	P56BR	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61570-E-21	TW55R	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61593-B-1	MW-6S	8260C	T	7 SU	5 mL	5 mL	HP5975T		
480-61593-B-1~MS	MW-6S MS	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61593-B-1~MS D	MW-6S MSD	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61653-F-1	MW105R	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-B-5	MW1-9	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-D-6	MW1-10	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-D-9	MW1-13R	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-D-11	MW1-15	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-D-11~MS	MW1-15	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-D-11~MSD	MW1-15	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-B-12	MW2-2	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-C-14	MW2-12	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-B-17	MW5-4	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-A-21	DUP 061114 02	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-A-23	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-F-24	RINSE BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5975T		

GC/MS VOA Worksheet

Batch Number: 480-189394

Method: 8260C

Analyst: Man, Chi x

Date Open: Jun 23 2014 10:45PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00015	ADD CORP mix_00011	BFB_WRK_00034	GAS CORP mix_00032	T_8260_IS_00077	T_8260_Surr_00075
BFB~480-189394/1		8260C				1 uL			
CCVIS~480-189394/2		8260C		12.5 uL			12.5 uL	1 uL	1 uL
CCV~480-189394/3		8260C			12.5 uL			1 uL	1 uL
LCS~480-189394/4		8260C		12.5 uL			12.5 uL	1 uL	1 uL
MB~480-189394/8		8260C						1 uL	1 uL
480-61570-E-18	P56BR	8260C	T					1 uL	1 uL
480-61570-E-21	TW55R	8260C	T					1 uL	1 uL
480-61593-B-1	MW-6S	8260C	T					1 uL	1 uL
480-61593-B-1~MS	MW-6S MS	8260C	T	12.5 uL			12.5 uL	1 uL	1 uL
480-61593-B-1~MS D	MW-6S MSD	8260C	T	12.5 uL			12.5 uL	1 uL	1 uL
480-61653-F-1	MW105R	8260C	T					1 uL	1 uL
480-61814-B-5	MW1-9	8260C	T					1 uL	1 uL
480-61814-D-6	MW1-10	8260C	T					1 uL	1 uL
480-61814-D-9	MW1-13R	8260C	T					1 uL	1 uL
480-61814-D-11	MW1-15	8260C	T					1 uL	1 uL
480-61814-D-11~M S	MW1-15	8260C	T	12.5 uL			12.5 uL	1 uL	1 uL
480-61814-D-11~M SD	MW1-15	8260C	T	12.5 uL			12.5 uL	1 uL	1 uL
480-61814-B-12	MW2-2	8260C	T					1 uL	1 uL
480-61814-C-14	MW2-12	8260C	T					1 uL	1 uL
480-61814-B-17	MW5-4	8260C	T					1 uL	1 uL
480-61814-A-21	DUP 061114 02	8260C	T					1 uL	1 uL
480-61814-A-23	TRIP BLANK	8260C	T					1 uL	1 uL
480-61814-F-24	RINSE BLANK	8260C	T					1 uL	1 uL

GC/MS VOA Worksheet

Batch Number: 480-189443

Method: 8260C

Analyst: Man, Chi x

Date Open: Jun 24 2014 10:53AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00033	3MTP_WRK_00036
CCVIS~480-189443/2		8260C			5 mL	5 mL	HP5975T		
CCV~480-189443/3		8260C			5 mL	5 mL	HP5975T	12.5 uL	12.5 uL
LCS~480-189443/4		8260C			5 mL	5 mL	HP5975T		
MDLV~480-189443/5					5 mL	5 mL	HP5975T		
MB~480-189443/8		8260C			5 mL	5 mL	HP5975T		
BFB~480-189443/10		8260C			1 uL	1 uL	HP5975T		
480-61593-C-2	MW-6D	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61593-B-3	MW-7S	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61772-I-1	MW204-DUP	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61772-I-2	MW203	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61772-I-3	MW203A	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61772-I-4	MW204	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61772-I-5	MW205	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61772-I-6	MW215	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61772-A-7	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61808-B-1	MW-10	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61808-B-2	MW-20	8260C	T	7 SU	5 mL	5 mL	HP5975T		
480-61808-B-3	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-D-16	MW5-2	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61814-E-20	DUP 061014 03	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61843-B-1	GW-1	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61843-B-2	GW-2	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61843-B-3	GW-3	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61843-B-4	GW-4	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-61843-A-5	Trip Blank	8260C	T	<2 SU	5 mL	5 mL	HP5975T		

GC/MS VOA Worksheet

Batch Number: 480-189443

Method: 8260C

Analyst: Man, Chi x

Date Open: Jun 24 2014 10:53AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00015	ADD CORP mix_00011	BFB_WRK_00034	GAS CORP mix_00032	T_8260_IS_00077	T_8260_Surr_00075
CCVIS~480-189443/ 2		8260C		12.5 uL			12.5 uL	1 uL	1 uL
CCV~480-189443/3		8260C			12.5 uL			1 uL	1 uL
LCS~480-189443/4		8260C		12.5 uL			12.5 uL	1 uL	1 uL
MDLV~480-189443/ 5				1 uL			1 uL	1 uL	1 uL
MB~480-189443/8		8260C						1 uL	1 uL
BFB~480-189443/10		8260C				1 uL			
480-61593-C-2	MW-6D	8260C	T					1 uL	1 uL
480-61593-B-3	MW-7S	8260C	T					1 uL	1 uL
480-61772-I-1	MW204-DUP	8260C	T					1 uL	1 uL
480-61772-I-2	MW203	8260C	T					1 uL	1 uL
480-61772-I-3	MW203A	8260C	T					1 uL	1 uL
480-61772-I-4	MW204	8260C	T					1 uL	1 uL
480-61772-I-5	MW205	8260C	T					1 uL	1 uL
480-61772-I-6	MW215	8260C	T					1 uL	1 uL
480-61772-A-7	TRIP BLANK	8260C	T					1 uL	1 uL
480-61808-B-1	MW-10	8260C	T					1 uL	1 uL
480-61808-B-2	MW-20	8260C	T					1 uL	1 uL
480-61808-B-3	TRIP BLANK	8260C	T					1 uL	1 uL
480-61814-D-16	MW5-2	8260C	T					1 uL	1 uL
480-61814-E-20	DUP 061014 03	8260C	T					1 uL	1 uL
480-61843-B-1	GW-1	8260C	T					1 uL	1 uL
480-61843-B-2	GW-2	8260C	T					1 uL	1 uL
480-61843-B-3	GW-3	8260C	T					1 uL	1 uL
480-61843-B-4	GW-4	8260C	T					1 uL	1 uL
480-61843-A-5	Trip Blank	8260C	T					1 uL	1 uL

GC/MS VOA Worksheet

Batch Number: 480-189443

Method: 8260C

Analyst: Man, Chi x

Date Open: Jun 24 2014 10:53AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00033	3MTP_WRK_00036
480-62506-A-1	TANK 12	8260C	T	7 SU	5 mL	5 mL	HP5975T		
480-61593-C-2~MS		8260C	T		5 mL	5 mL	HP5975T		
480-61593-C-2~MS D		8260C	T		5 mL	5 mL	HP5975T		

GC/MS VOA Worksheet

Batch Number: 480-189443

Method: 8260C

Analyst: Man, Chi x

Date Open: Jun 24 2014 10:53AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00015	ADD CORP mix_00011	BFB_WRK_00034	GAS CORP mix_00032	T_8260_IS_00077	T_8260_Surr_00075
480-62506-A-1	TANK 12	8260C	T					1 uL	1 uL
480-61593-C-2~MS		8260C	T	12.5 uL			12.5 uL	1 uL	1 uL
480-61593-C-2~MS D		8260C	T	12.5 uL			12.5 uL	1 uL	1 uL

Shipping and Receiving Documents

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other:[illegible]

Login Sample Receipt Checklist

Client: CH2M Hill, Inc.

Job Number: 480-61593-1

Login Number: 61593

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris 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	ch2mhill
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Appendix C

Data Quality Evaluation Report

Data Quality Evaluation for 2014 Annual Groundwater Investigation, Former Dowell Depew Facility, Depew, New York

PREPARED FOR: Schlumberger Technology Corporation
PREPARED BY: CH2M HILL
DATE: July 2014

Introduction

The objective of this data quality evaluation (DQE) report is to assess the data quality of analytical results for groundwater collected from the Former Dowell Depew Facility in Depew, New York (Dowell Depew). CH2M HILL collected samples on June 10, 2014. Guidance for this DQE report came from the site-specific *Quality Assurance Project Plan, June 2011*; U.S. Environmental Protection Agency (USEPA) *Contract Laboratory National Functional Guidelines (NFG) for Superfund Organic Review, June 2008*; and individual method requirements.

The analytical results were evaluated using the criteria of precision, accuracy, representativeness, comparability, and completeness (PARCC). This report is intended as a general data quality assessment designed to summarize data issues.

Analytical Data

This DQE report covers five groundwater samples, one field duplicate (FD), one matrix spike (MS)/matrix spike duplicate (MSD), and one trip blank (TB). The samples were reported in one sample delivery group identified as 480-61593. Samples were collected and delivered to TestAmerica Laboratories, Inc., in Amherst, New York. The samples were analyzed by the method listed in Table 1.

TABLE 1
Analytical Parameters
2014 Annual Groundwater Investigation, Dowell Depew

Parameter	Method	Laboratory
Volatile Organic Compounds	SW8260C	TA

The sample delivery group was assessed by reviewing the following: (1) the chain-of-custody documentation, (2) holding-time compliance, (3) calibration criteria, (4) method blanks/field blanks, (5) laboratory control sample (LCS)/laboratory control sample duplicates (LCSD), (6) surrogate spike recoveries, (7) MS/MSD, (8) internal standard recoveries, (9) field duplicate recoveries, and (10) the required quality control (QC) samples at the specified frequencies.

Data flags were assigned according to the NFGs, substituting method criteria where applicable. Multiple flags are routinely applied to specific sample method/matrix/analyte combinations, but there will only be one final flag. A final flag is applied to the data and is the most conservative of the applied validation flags. The final flag also includes matrix and blank sample impacts.

The data flags are those listed in the NFGs and are defined as follows:

- J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- R = The sample result was rejected due to serious deficiencies in the ability to analyze the sample and meet the QC criteria. The presence or absence of the analyte could not be verified.
- U = The analyte was analyzed for but was not detected above the reported sample quantitation limit.
- UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Findings

The overall summaries of the data validation are contained in the following subsections.

Holding Time/Preservation

All acceptance criteria were met.

Calibration

Initial and continuing calibration analyses were performed as required by the methods, and all acceptance criteria were met, with the following exceptions:

- The percent difference (%D) for chloroethane was less than method criteria in the initial calibration verification standard (ICVS), indicating a possible low bias. The data were qualified as estimated detected and nondetected results and flagged "J" and "UJ", respectively, in the samples.
- The %D for 1,2-dibromo-3-chloropropane and/or dichlorodifluoromethane was less than method criteria in one or more continuing calibration verification (CCV) standards, indicating a possible low bias. The data were qualified as estimated nondetected results and flagged "UJ" in the associated samples. In addition, the %D for bromomethane was greater than method criteria in a few CCVs, indicating a possible high bias. The data were not qualified because the associated samples did not contain reportable levels of bromomethane.
- The concentration for 1,1,1-trichloroethane exceeded the calibration range of the instrument in sample MW-6D-061014. The result was qualified as estimated and flagged "J" in the sample.

Method Blanks

Method blanks were analyzed at the required frequency and were free of contamination.

Laboratory Control Samples

LCS/LCSDs were analyzed as required, and all accuracy and precision criteria were met.

Matrix Spike

MS/MSD samples were analyzed as required, and all accuracy and precision criteria were met, with the following exception:

- Bromomethane was recovered greater than the upper control limit in the MS/MSD for sample MW-6S-061014, indicating a possible high bias. The result was not qualified because the parent sample did not contain reportable levels of bromomethane.

Internal Standards

Internal standards were added to all samples, and all acceptance criteria were met.

Surrogates

Surrogates were added to all samples, and all acceptance criteria were met.

Field Duplicates

An FD was collected as required, and all precision criteria were met.

Field Blanks

A TB was collected, analyzed, and was free of contamination.

Chain of Custody

Required procedures were followed and were generally free of errors.

Overall Assessment

The goal of this assessment is to demonstrate that a sufficient number of representative samples were collected, and the resulting analytical data can be used to support the decision-making process. The following summary highlights the PARCC findings for the above-defined events:

Precision of the data was verified through the review of the field and laboratory data quality indicators that include FD, LCS/LCSD, and MS/MSD relative percent differences. Precision was acceptable.

Accuracy of the data was verified through the review of the calibration data, LCS/LCSD, MS/MSD, internal standards and surrogate standard recoveries, as well as the evaluation of method/field blank data. Accuracy was generally acceptable, with the exception of a few analytes that were qualified as estimated detected and nondetected results due to calibration issues. All method/field blank data were free of contamination. Data users should consider the impact to any result that is qualified because it may contain a bias that could affect the decision making process.

Representativeness of the data was verified through the sample's collection, storage, and preservation procedures, and the verification of holding-time compliance. No issues were noted due to sample collection, storage, or preservation procedures. All data were reported from analyses within the USEPA-recommended holding time.

Comparability of the data was verified through the use of standard USEPA analytical procedures and standard units for reporting. Results obtained are comparable to industry standards in that the collection and analytical techniques followed approved, documented procedures.

Completeness is a measure of the number of valid measurements obtained in relation to the total number of measurements planned. Completeness is expressed as the percentage of valid or usable measurements compared to planned measurements. Valid data are defined as all data that are not rejected for project use. All data were considered valid. The completeness goal of 90 percent was met for all method/analytes combinations. The data can be used for project decisions taking into consideration the validation flags applied to the data.

TABLE 2

Qualified Data

2014 Annual Groundwater Investigation, Dowell Depew

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
MW-6D-061014	SW8260C	1,1,1-Trichloroethane	µg/L	158	J	>ICLinearRange
MW-6D-061014	SW8260C	1,2-Dibromo-3-Chloropropane	µg/L	0.39	UJ	CCV<LCL
MW-6D-061014	SW8260C	Chloroethane	µg/L	568	J	ICVS<LCL
MW-6S-061014	SW8260C	1,2-Dibromo-3-Chloropropane	µg/L	0.39	UJ	CCV<LCL
MW-6S-061014	SW8260C	Chloroethane	µg/L	13.9	J	ICVS<LCL
MW-7D-061014	SW8260C	1,2-Dibromo-3-Chloropropane	µg/L	0.39	UJ	CCV<LCL

TABLE 2

Qualified Data*2014 Annual Groundwater Investigation, Dowell Depew*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
MW-7D-061014	SW8260C	Chloroethane	µg/L	0.32	UJ	ICVS<LCL
MW-7S-061014	SW8260C	Chloroethane	µg/L	0.32	UJ	ICVS<LCL
MW-7S-061014	SW8260C	Dichlorodifluoromethane	µg/L	0.68	UJ	CCV<LCL
RW-01-061014	SW8260C	1,2-Dibromo-3-Chloropropane	µg/L	0.39	UJ	CCV<LCL
RW-01-061014	SW8260C	Chloroethane	µg/L	0.32	UJ	ICVS<LCL
RW-01-FD-061014	SW8260C	1,2-Dibromo-3-Chloropropane	µg/L	0.39	UJ	CCV<LCL
RW-01-FD-061014	SW8260C	Chloroethane	µg/L	0.32	UJ	ICVS<LCL

Validation
Reasons:

>ICLinearRange	The concentration exceeded the linear range of the instrument
ICVS<LCL	The initial calibration verification standard was recovered less than method criteria
CCV<LCL	The continuing calibration verification standard was recovered less than method criteria

Appendix D
Historical VOC Concentrations in Groundwater

Table 1
Monitoring Well MW-01
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria¹	Sep-96	Mar-97	Nov-97	Jul-98	Dec-98	Jul-99	Jan-00	Jul-01
Chloroethane	UG/L	5	U	U	NS	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	NS	U	U	U	U	U
Methylene Chloride	UG/L	5	20	U	NS	3*	U	U	U	U
Acetone	UG/L	50	U	U	NS	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	NS	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	U	U	NS	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	5	U	U	NS	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	NS	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	NS	U	U	U	U	U
Total VOCs	UG/L	--	20	U	NS	U	U	U	U	U

Volatile Compounds	Units	Criteria¹	Jul-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06
Chloroethane	UG/L	5	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	5*	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	U	U	15	5 J	U	U	U	U
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	U	U	U	U	U	U
Total VOCs	UG/L	--	U	U	15	5	U	U	U	U

Volatile Compounds	Units	Criteria¹	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08
Chloroethane	UG/L	5	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	U	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	U	U	U	U	U	U
Total VOCs	UG/L	--	U	U	U	U	U	U	U	U

Volatile Compounds	Units	Criteria¹	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Sep-11	Feb-12	Jul-12
Chloroethane	UG/L	5	U	U	NS	NS	U	NS	NS	U
Vinyl Chloride	UG/L	2	U	U	NS	NS	U	NS	NS	U
Methylene Chloride	UG/L	5	U	U	NS	NS	U	NS	NS	U
Acetone	UG/L	50	U	U	NS	NS	U	NS	NS	U
1,1-Dichloroethene	UG/L	5	U	U	NS	NS	U	NS	NS	U
1,1-Dichloroethane	UG/L	5	U	U	NS	NS	U	NS	NS	U
1,2-Dichloroethene (total)	UG/L	5	U	U	NS	NS	U	NS	NS	U
1,2-Dichloroethane	UG/L	0.6	U	U	NS	NS	U	NS	NS	U
1,1,1-Trichloroethane	UG/L	5	U	U	NS	NS	U	NS	NS	U
Total VOCs	UG/L	--	U	U	NS	NS	U	NS	NS	U

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes April 2000 Addendum). Class GA.

- Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

* Qualified as non-detect due to blank contamination

Site was remediated during October 2003 to May 2004.

Table 1
Monitoring Well MW-01
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria ¹	Sep-12	Dec-12	Apr-13	Jul-13
Chloroethane	UG/L	5	NS	NS	NS	U
Vinyl Chloride	UG/L	2	NS	NS	NS	U
Methylene Chloride	UG/L	5	NS	NS	NS	U
Acetone	UG/L	50	NS	NS	NS	U
1,1-Dichloroethene	UG/L	5	NS	NS	NS	U
1,1-Dichloroethane	UG/L	5	NS	NS	NS	U
1,2-Dichloroethene (total)	UG/L	5	NS	NS	NS	U
1,2-Dichloroethane	UG/L	0.6	NS	NS	NS	U
1,1,1-Trichloroethane	UG/L	5	NS	NS	NS	U
Total VOCs	UG/L	--	NS	NS	NS	U

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes April 2000 Addendum). Class GA.

█ - Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

* Qualified as non-detect due to blank contamination

Site was remediated during October 2003 to May 2004.

Table 1
Monitoring Well MW-02
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria ¹	Sep-96	Mar-97	Nov-97	Jul-98	Dec-98	Jul-99	Jan-00	Jul-01	Jul-04
Chloroethane	UG/L	5	U	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	12	U	7	5*	U	U	1*	U	U
Acetone	UG/L	50	13	U	14	U	U	U	5*	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	U	U	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	U	U	U	U	U	U	U
Total VOCs	UG/L	--	25	U	21	U	U	U	U	U	U

Volatile Compounds	Units	Criteria ¹	Mar-05 (1)	Mar-05 (2)	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06
Chloroethane	UG/L	5	U	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	5*	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	15	U	15	2 J	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	U	U	U	U	U	U	U
Total VOCs	UG/L	--	15	U	15	2	U	U	U	U	U

Volatile Compounds	Units	Criteria ¹	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09
Chloroethane	UG/L	5	U	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	U	U	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	U	U	U	U	U	U	U
Total VOCs	UG/L	--	U	U	U	U	U	U	U	U	U

Volatile Compounds	Units	Criteria ¹	Jun-09	Sep-09	Dec-09	Sep-11	Feb-12	Jul-12	Sep-12	Dec-12	Apr-13
Chloroethane	UG/L	5	NS	NS	U	NS	NS	U	NS	NS	NS
Vinyl Chloride	UG/L	2	NS	NS	U	NS	NS	U	NS	NS	NS
Methylene Chloride	UG/L	5	NS	NS	U	NS	NS	U	NS	NS	NS
Acetone	UG/L	50	NS	NS	U	NS	NS	U	NS	NS	NS
1,1-Dichloroethene	UG/L	5	NS	NS	U	NS	NS	U	NS	NS	NS
1,1-Dichloroethane	UG/L	5	NS	NS	U	NS	NS	U	NS	NS	NS
1,2-Dichloroethene (total)	UG/L	5	NS	NS	U	NS	NS	U	NS	NS	NS
1,2-Dichloroethane	UG/L	0.6	NS	NS	U	NS	NS	U	NS	NS	NS
1,1,1-Trichloroethane	UG/L	5	NS	NS	U	NS	NS	U	NS	NS	NS
Total VOCs	UG/L	--	NS	NS	U	NS	NS	U	NS	NS	NS

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes April 2000 Addendum). Class GA.

- Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

(1) Samples collected for analysis by URS

(2) Split samples collected for analysis by NYSDEC

* Qualified as non-detect due to blank contamination

Site was remediated during October 2003 to May 2004.

Table 1
Monitoring Well MW-02
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria¹	Jul-13
Chloroethane	UG/L	5	U
Vinyl Chloride	UG/L	2	U
Methylene Chloride	UG/L	5	U
Acetone	UG/L	50	U
1,1-Dichloroethene	UG/L	5	U
1,1-Dichloroethane	UG/L	5	U
1,2-Dichloroethene (total)	UG/L	5	U
1,2-Dichloroethane	UG/L	0.6	U
1,1,1-Trichloroethane	UG/L	5	U
Total VOCs	UG/L	--	U

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes April 2000 Addendum). Class GA.

█ - Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

* Qualified as non-detect due to blank contamination

Site was remediated during October 2003 to May 2004.

Table 1
Monitoring Well MW-04
Groundwater Analytical Results
Former Dowell Facility

Volatil Compounds	Units	Criteria ¹	Sep-96	Mar-97	Nov-97	Jul-98	Dec-98	Jul-99	Jan-00	Jul-01
Chloroethane	UG/L	5	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	12	U	U	5*	U	U	2*	U
Acetone	UG/L	50	20	U	U	5*	U	U	6*	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	U	U	U	4	21	U	U	110
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	U	U	U	U	U	8
Total VOCs	UG/L	--	32	U	U	4	21	U	U	118

Volatil Compounds	Units	Criteria ¹	Jul-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06
Chloroethane	UG/L	5	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	U	28	51	13	U	U	U	U
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	4 J	U	U	U	U	U
Total VOCs	UG/L	--	U	U	55	13	U	U	U	U

Volatil Compounds	Units	Criteria ¹	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08
Chloroethane	UG/L	5	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	U	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	U	U	U	U	U	U
Total VOCs	UG/L	--	U	U	U	U	U	U	U	U

Volatil Compounds	Units	Criteria ¹	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Sep-11	Feb-12	Jul-12
Chloroethane	UG/L	5	U	U	NS	NS	U	NS	NS	U
Vinyl Chloride	UG/L	2	U	U	NS	NS	U	NS	NS	U
Methylene Chloride	UG/L	5	U	U	NS	NS	U	NS	NS	U
Acetone	UG/L	50	U	U	NS	NS	U	NS	NS	U
1,1-Dichloroethene	UG/L	5	U	U	NS	NS	U	NS	NS	U
1,1-Dichloroethane	UG/L	5	U	U	NS	NS	U	NS	NS	U
1,2-Dichloroethene (total)	UG/L	5	U	U	NS	NS	U	NS	NS	U
1,2-Dichloroethane	UG/L	0.6	U	U	NS	NS	U	NS	NS	U
1,1,1-Trichloroethane	UG/L	5	U	U	NS	NS	U	NS	NS	U
Total VOCs	UG/L	--	U	U	NS	NS	U	NS	NS	U

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998 (includes April 2000 Addendum). Class GA.

- Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

* Qualified as non-detect due to blank contamination

Site was remediated during October 2003 to May 2004.

Table 1
Monitoring Well MW-04
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria¹	Sep-12	Dec-12	Apr-13	Jul-13
Chloroethane	UG/L	5	NS	NS	NS	U
Vinyl Chloride	UG/L	2	NS	NS	NS	U
Methylene Chloride	UG/L	5	NS	NS	NS	U
Acetone	UG/L	50	NS	NS	NS	U
1,1-Dichloroethene	UG/L	5	NS	NS	NS	U
1,1-Dichloroethane	UG/L	5	NS	NS	NS	U
1,2-Dichloroethene (total)	UG/L	5	NS	NS	NS	U
1,2-Dichloroethane	UG/L	0.6	NS	NS	NS	U
1,1,1-Trichloroethane	UG/L	5	NS	NS	NS	U
Total VOCs	UG/L	--	NS	NS	NS	U

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998 (includes April 2000 Addendum). Class GA.

█ - Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

* Qualified as non-detect due to blank contamination

Site was remediated during October 2003 to May 2004.

Table 1
Monitoring Well MW-06S
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria ¹	Sep-96	Mar-97	Nov-97	Jul-98	Dec-98	Jul-99	Jan-00	Jul-01	Jul-04
Chloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	U	U
Vinyl Chloride	UG/L	2	NI	NI	NI	NI	NI	NI	NI	U	19 J
Methylene Chloride	UG/L	5	NI	NI	NI	NI	NI	NI	NI	U	U
Acetone	UG/L	50	NI	NI	NI	NI	NI	NI	NI	U	U
1,1-Dichloroethene	UG/L	5	NI	NI	NI	NI	NI	NI	NI	6	120
1,1-Dichloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	490	170
1,2-Dichloroethene (total)	UG/L	5	NI	NI	NI	NI	NI	NI	NI	U	13 J
1,2-Dichloroethane	UG/L	0.6	NI	NI	NI	NI	NI	NI	NI	U	26
1,1,1-Trichloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	190	360
Total VOCs	UG/L	--	NI	NI	NI	NI	NI	NI	NI	686	708

Volatile Compounds	Units	Criteria ¹	Mar-05 (1)	Mar-05 (2)	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06
Chloroethane	UG/L	5	U	20	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	10	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	490*	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	110	210 J	170 J	470	U	110	180	U
1,1-Dichloroethane	UG/L	5	4,700	2,800	5,000	7,800	760	13,000	3,400	330	2,900
1,2-Dichloroethene (total)	UG/L	5	U	16	U	U	35	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	2 J	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	890	550	860	1,000	700	1,300	510	450	400
Total VOCs	UG/L	--	5,590	2,958	6,070	8,970	1,495	14,300	4,020	960	3,300

Volatile Compounds	Units	Criteria ¹	Mar-07 (1)	Mar-07 (2)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08
Chloroethane	UG/L	5	U	39	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	70	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	73	130	390	310	U	150	190	U
1,1-Dichloroethane	UG/L	5	5,900	4,800	830	920	3,000	3,600	1,900	1,700	5,700
1,2-Dichloroethene (total)	UG/L	5	U	U	U	25	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	380	320	310	580	640	280	390	480	330
Total VOCs	UG/L	--	6,280	5,232	1,270	1,985	3,950	3,880	2,440	2,370	6,030

Volatile Compounds	Units	Criteria ¹	Mar-09	Jun-09	Sep-09	Dec-09	Sep-11	Feb-12	Jul-12	Sep-12	Dec-12
Chloroethane	UG/L	5	U	U	U	U	120 J	150	430	220	720
Vinyl Chloride	UG/L	2	U	U	U	U	3.1	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	140	260	U	U	39	79	50 J	100 J	U
1,1-Dichloroethane	UG/L	5	2,000	440	9,900	16,000	11,000	5,500	12,000	7,900	13,000
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	9	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	2.9	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	270	480	310	670	280	250	390	390	300
Methyl tert-butyl ether	UG/L	10	U	U	U	U	0.80 J	U	U	U	U
Total VOCs	UG/L	--	2,410	1,160	10,210	16,670	11,455	5,979	12,870	8610	14,020

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes April 2000 Addendum). Class GA.

- Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

NI = Not Installed

J = estimated value

E= Exceeded the calibration range for that instrument

(1) Samples collected for analysis by URS

(2) Split samples collected for analysis by NYSDEC

* Qualified as non-detect due to blank concentration

Site was remediated during October 2003 to May 2004.

Table 1
Monitoring Well MW-06S
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria¹	Apr-13	Jul-13
Chloroethane	UG/L	5	460	530
Vinyl Chloride	UG/L	2	U	U
Methylene Chloride	UG/L	5	U	U
Acetone	UG/L	50	U	U
1,1-Dichloroethene	UG/L	5	U	U
1,1,1-Dichloroethane	UG/L	5	9,500	12,000
1,2-Dichloroethene (total)	UG/L	5	U	U
1,2-Dichloroethane	UG/L	0.6	U	U
1,1,1-Trichloroethane	UG/L	5	260	240
Methyl tert-butyl ether	UG/L	10	U	U
Total VOCs	UG/L	--	10,220	12,770

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes April 2000 Addendum). Class GA.

██████████ - Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

* Qualified as non-detect due to blank contamination

Site was remediated during October 2003 to May 2004.

Table 1
Monitoring Well MW-06D
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria ¹	Sep-96	Mar-97	Nov-97	Jul-98	Dec-98	Jul-99	Jan-00	Jul-01	Jul-04
Chloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI	U
Vinyl Chloride	UG/L	2	NI	NI	NI	NI	NI	NI	NI	NI	U
Methylene Chloride	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI	U
Acetone	UG/L	50	NI	NI	NI	NI	NI	NI	NI	NI	U
1,1-Dichloroethene	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI	U
1,1-Dichloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI	230
1,2-Dichloroethene (total)	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI	U
1,2-Dichloroethane	UG/L	0.6	NI	NI	NI	NI	NI	NI	NI	NI	U
1,1,1-Trichloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI	87
Total VOCs	UG/L	--	NI	NI	NI	NI	NI	NI	NI	NI	317

Volatile Compounds	Units	Criteria ¹	Mar-05 (1)	Mar-05 (2)	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06
Chloroethane	UG/L	5	U	29	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	520*	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	53	U	33 J	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	9,700	5,700	4,900	3,600	8,400	9,100	12,000	19,000	22,000
1,2-Dichloroethene (total)	UG/L	5	U	8	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	970	610	400 J	280	430	500	850	1,200	U
Total VOCs	UG/L	--	10,670	6,400	5,300	3,913	8,830	9,600	12,850	20,200	22,000

Volatile Compounds	Units	Criteria ¹	Mar-07 (1)	Mar-07 (2)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08
Chloroethane	UG/L	5	U	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	U	64	U	U	U	U	U	U	730*
Acetone	UG/L	50	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	9,800	9,300	13,000	18,000	13,000	5,000	12,000	15,000	11,000
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	250	U	U	U	U	U	U	U
Total VOCs	UG/L	--	9,800	9,614	13,000	18,000	13,000	5,000	12,000	15,000	11,000

Volatile Compounds	Units	Criteria ¹	Mar-09	Jun-09	Sep-09	Dec-09	Sep-11	Feb-12	Jul-12	Sep-12	Dec-12
Chloroethane	UG/L	5	U	U	U	U	280	260	450	470	750
Vinyl Chloride	UG/L	2	U	U	U	U	6	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	0.70 J	U	U	U	U
Acetone	UG/L	50	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	80	U	U	U	U
1,1-Dichloroethane	UG/L	5	9,600	16,000	4,700	5,200	9,900	14,000	16,000	18,000	15,000
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	21	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	2.9	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	550	U	U	400	220	300	320	240
Methyl tert-butyl ether	UG/L	10	U	U	U	U	0.75 J	U	U	U	U
Total VOCs	UG/L	--	9,600	16,550	4,700	5,200	10,691	14,480	16,750	18,790	15,990

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes April 2000 Addendum). Class GA.

- Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

NI = Not Installed

(1) Samples collected for analysis by URS

(2) Split samples collected for analysis by NYSDEC

* Qualified as non-detect due to blank contamination

Site was remediated during October 2003 to May 2004.

Table 1
Monitoring Well MW-06D
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria ¹	Apr-13	Jul-13	Jul-13 Dup
Chloroethane	UG/L	5	600	450	450
Vinyl Chloride	UG/L	2	U	U	6.2
Methylene Chloride	UG/L	5	U	U	0.82 J
Acetone	UG/L	50	U	U	U
Benzene	UG/L	1	U	U	0.48 J
1,1-Dichloroethene	UG/L	5	U	U	32
1,1-Dichloroethane	UG/L	5	15,000	13,000	12,000
1,2-Dichloroethene (total)	UG/L	5	U	U	13
1,2-Dichloroethane	UG/L	0.6	U	U	3.6
1,1,1-Trichloroethane	UG/L	5	180 J	U	180
Methyl tert-butyl ether	UG/L	10	U	U	0.92 J
Total VOCs	UG/L	--	15,780	13,450	12,687

Notes:

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- Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

* Qualified as non-detect due to blank contamination

Site was remediated during October 2003 to May 2004.

Table 1
Monitoring Well MW-07S
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria ¹	Sep-96	Mar-97	Nov-97	Jul-98	Dec-98	Jul-99	Jan-00	Jul-01
Chloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	U
Vinyl Chloride	UG/L	2	NI	NI	NI	NI	NI	NI	NI	U
Methylene Chloride	UG/L	5	NI	NI	NI	NI	NI	NI	NI	U
Acetone	UG/L	50	NI	NI	NI	NI	NI	NI	NI	U
1,1-Dichloroethene	UG/L	5	NI	NI	NI	NI	NI	NI	NI	U
1,1-Dichloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	U
1,2-Dichloroethene (total)	UG/L	5	NI	NI	NI	NI	NI	NI	NI	U
1,2-Dichloroethane	UG/L	0.6	NI	NI	NI	NI	NI	NI	NI	U
1,1,1-Trichloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	U
Total VOCs	UG/L	--	NI	NI	NI	NI	NI	NI	NI	U

Volatile Compounds	Units	Criteria ¹	Jul-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06
Chloroethane	UG/L	5	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	U	U	U	81	U	U	U	U
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	U	5 J	U	U	U	U
Total VOCs	UG/L	--	U	U	U	86	U	U	U	U

Volatile Compounds	Units	Criteria ¹	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08
Chloroethane	UG/L	5	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	U	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	U	U	U	U	U	U
Total VOCs	UG/L	--	U	U	U	U	U	U	U	U

Volatile Compounds	Units	Criteria ¹	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Sep-11	Feb-12	Jul-12
Chloroethane	UG/L	5	U	U	NS	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	NS	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	NS	U	U	U	U	U
Acetone	UG/L	50	U	U	NS	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	NS	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	U	U	NS	U	U	U	0.46 J	U
1,2-Dichloroethene (total)	UG/L	5	U	U	NS	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	NS	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	NS	U	U	U	U	U
Total VOCs	UG/L	--	U	U	NS	U	U	U	0.46 J	U

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes April 2000 Addendum). Class GA.

- Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

NI = Not Installed

Site was remediated during October 2003 to May 2004.

Table 1
Monitoring Well MW-07S
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria ¹	Sep-12	Dec-12	Apr-13	Jul-13
Chloroethane	UG/L	5	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U
Acetone	UG/L	50	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U
1,1,1-Dichloroethane	UG/L	5	1	1.3	1.2	1.1
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	U	U
Total VOCs	UG/L	--	1	1.3	1.2	1.1

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes April 2000 Addendum). Class GA.

█ - Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

NI = Not Installed

Site was remediated during October 2003 to May 2004.

Table 1
Monitoring Well MW-07D
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria ¹	Sep-96	Mar-97	Nov-97	Jul-98	Dec-98	Jul-99	Jan-00	Jul-01	Jul-04
Chloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI	NI
Vinyl Chloride	UG/L	2	NI	NI	NI	NI	NI	NI	NI	NI	NI
Methylene Chloride	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI	NI
Acetone	UG/L	50	NI	NI	NI	NI	NI	NI	NI	NI	NI
1,1-Dichloroethene	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI	NI
1,1-Dichloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI	NI
1,2-Dichloroethene (total)	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI	NI
1,2-Dichloroethane	UG/L	0.6	NI	NI	NI	NI	NI	NI	NI	NI	NI
1,1,1-Trichloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI	NI
Total VOCs	UG/L	--	NI	NI	NI	NI	NI	NI	NI	NI	NI

Volatile Compounds	Units	Criteria ¹	Mar-05	Jun-05	Sep-05	Nov-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06
Chloroethane	UG/L	5	NI	NI	NI	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	NI	NI	NI	U	U	U	U	U	U
Methylene Chloride	UG/L	5	NI	NI	NI	U	U	U	U	U	U
Acetone	UG/L	50	NI	NI	NI	35*	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	NI	NI	NI	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	NI	NI	NI	U	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	5	NI	NI	NI	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	NI	NI	NI	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	NI	NI	NI	U	U	U	U	U	U
Total VOCs	UG/L	--	NI	NI	NI	35*	U	U	U	U	U

Volatile Compounds	Units	Criteria ¹	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09
Chloroethane	UG/L	5	U	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	U	U	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	U	U	U	U	U	U	U
Total VOCs	UG/L	--	U	U	U	U	U	U	U	U	U

Volatile Compounds	Units	Criteria ¹	Jun-09	Sep-09	Dec-09	Sep-11	Feb-12	Jul-12	Sep-12	Dec-12	Apr-13
Chloroethane	UG/L	5	NS	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	NS	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	NS	U	U	U	U	U	U	U	U
Acetone	UG/L	50	NS	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	NS	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	NS	U	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	5	NS	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	NS	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	NS	U	U	U	U	U	U	U	U
Total VOCs	UG/L	--	NS	U	U	U	U	U	U	U	U

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes April 2000 Addendum). Class GA.

- Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

NI = Not Installed

* Qualified as non-detect due to blank contamination

Site was remediated during October 2003 to May 2004.

Table 1
Monitoring Well MW-07D
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria¹	Jul-13
Chloroethane	UG/L	5	U
Vinyl Chloride	UG/L	2	U
Methylene Chloride	UG/L	5	U
Acetone	UG/L	50	U
1,1-Dichloroethene	UG/L	5	U
1,1-Dichloroethane	UG/L	5	U
1,2-Dichloroethene (total)	UG/L	5	U
1,2-Dichloroethane	UG/L	0.6	U
1,1,1-Trichloroethane	UG/L	5	U
Total VOCs	UG/L	--	U

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes April 2000 Addendum). Class GA.

█ - Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

U = not present above PQL

NS = not sampled

* Qualified as non-detect due to blank contamination

Site was remediated during October 2003 to May 2004.

Table 1
Recovery Well RW-01
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria ¹	Sep-96	Mar-97	Nov-97	Jul-98	Dec-98	Jul-99	Jan-00	Jul-01
Chloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI
Vinyl Chloride	UG/L	2	NI	NI	NI	NI	NI	NI	NI	NI
Methylene Chloride	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI
Acetone	UG/L	50	NI	NI	NI	NI	NI	NI	NI	NI
1,1-Dichloroethene	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI
1,1-Dichloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI
1,2-Dichloroethene (total)	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI
1,2-Dichloroethane	UG/L	0.6	NI	NI	NI	NI	NI	NI	NI	NI
1,1,1-Trichloroethane	UG/L	5	NI	NI	NI	NI	NI	NI	NI	NI
Cyclohexane	UG/L	--	NI	NI	NI	NI	NI	NI	NI	NI
Methylcyclohexane	UG/L	--	NI	NI	NI	NI	NI	NI	NI	NI
1,2-Dichlorobenzene	UG/L	3	NI	NI	NI	NI	NI	NI	NI	NI
Total VOCs	UG/L	--	NI	NI	NI	NI	NI	NI	NI	NI

Volatile Compounds	Units	Criteria ¹	Jul-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06
Chloroethane	UG/L	5	NI	NS	U	U	U	U	U	U
Vinyl Chloride	UG/L	2	NI	NS	5 J	3 J	U	U	U	U
Methylene Chloride	UG/L	5	NI	NS	U	U	U	U	U	U
Acetone	UG/L	50	NI	NS	6*	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	NI	NS	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	NI	NS	35	39	18	35	23	23
1,2-Dichloroethene (total)	UG/L	5	NI	NS	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	NI	NS	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	NI	NS	11	7 J	5.2	5.6	6.3	5.9
Cyclohexane	UG/L	--	NI	NS	U	2 J	U	U	U	U
Methylcyclohexane	UG/L	--	NI	NS	U	2 J	U	U	U	U
1,2-Dichlorobenzene	UG/L	3	NI	NS	U	2 J	U	U	U	U
Total VOCs	UG/L	--	NI	NS	51	55	23.3	40.6	29.3	28.9

Volatile Compounds	Units	Criteria ¹	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08
Chloroethane	UG/L	5	U	U	U	49	U	U	U	U
Vinyl Chloride	UG/L	2	U	U	U	U	U	U	U	U
Methylene Chloride	UG/L	5	U	U	U	U	U	U	U	U
Acetone	UG/L	50	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	5	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	5	45	27	65	47	9.4	71	26	35
1,2-Dichloroethene (total)	UG/L	5	U	U	U	U	U	U	U	U
1,2-Dichloroethane	UG/L	0.6	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	5	U	U	U	U	U	U	U	U
Cyclohexane	UG/L	--	U	U	U	U	U	U	U	U
Methylcyclohexane	UG/L	--	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	UG/L	3	U	U	U	U	U	U	U	U
Total VOCs	UG/L	--	45	27	65	96	9.4	71	26	35

Volatile Compounds	Units	Criteria ¹	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Sep-11	Feb-12	Jul-12
Chloroethane	UG/L	5	U	U	NS	33	U	NS	NS	NS
Vinyl Chloride	UG/L	2	U	U	NS	U	U	NS	NS	NS
Methylene Chloride	UG/L	5	U	U	NS	U	U	NS	NS	NS
Acetone	UG/L	50	U	U	NS	U	U	NS	NS	NS
1,1-Dichloroethene	UG/L	5	U	U	NS	U	U	NS	NS	NS
1,1-Dichloroethane	UG/L	5	5.6	38	NS	29	26	NS	NS	NS
1,2-Dichloroethene (total)	UG/L	5	U	U	NS	U	U	NS	NS	NS
1,2-Dichloroethane	UG/L	0.6	U	U	NS	U	U	NS	NS	NS
1,1,1-Trichloroethane	UG/L	5	U	6.2	NS	U	U	NS	NS	NS
Cyclohexane	UG/L	--	U	U	NS	U	U	NS	NS	NS
Methylcyclohexane	UG/L	--	U	U	NS	U	U	NS	NS	NS
1,2-Dichlorobenzene	UG/L	3	U	U	NS	U	U	NS	NS	NS
Total VOCs	UG/L	--	5.6	44.2	NS	62	26	NS	NS	NS

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes April 2000 Addendum). Class GA.

- Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

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NS = not sampled

NI = Not Installed

* Qualified as non-detect due to blank contamination

Site was remediated during October 2003 to May 2004.

Table 1
Recovery Well RW-01
Groundwater Analytical Results
Former Dowell Facility

Volatile Compounds	Units	Criteria ¹	Sep-12	Dec-12	Apr-13	Jul-13
Chloroethane	UG/L	5	NS	NS	NS	1.4
Vinyl Chloride	UG/L	2	NS	NS	NS	21
Methylene Chloride	UG/L	5	NS	NS	NS	U
Acetone	UG/L	50	NS	NS	NS	U
1,1-Dichloroethene	UG/L	5	NS	NS	NS	U
1,1-Dichloroethane	UG/L	5	NS	NS	NS	3.1
1,2-Dichloroethene (total)	UG/L	5	NS	NS	NS	11
1,2-Dichloroethane	UG/L	0.6	NS	NS	NS	U
1,1,1-Trichloroethane	UG/L	5	NS	NS	NS	U
Cyclohexane	UG/L	--	NS	NS	NS	0.19
Methylcyclohexane	UG/L	--	NS	NS	NS	U
1,2-Dichlorobenzene	UG/L	3	NS	NS	NS	1.6
Total VOCs	UG/L	--	NS	NS	NS	38.29

Notes:

¹ Criteria - NYSDEC Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes April 2000 Addendum). Class GA.

- Concentration exceeds applicable standards, criteria and guidance (SCG) values.

VOC analysis by EPA Method 8260

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Site was remediated during October 2003 to May 2004.

Appendix E

Sitewide Inspection Forms

**FORMER DOWELL FACILITY – DEPEW, NEW YORK
SITE MANAGEMENT PLAN**

NYSDEC SITE NO. V-00410-9

SITE-WIDE INSPECTION FORM

Date: 06/10/14

Inspector: Jayson Burkard

Weather: Partly Cloudy

Signature: Jayson Burkard

Temperature: ~75°F

Company: CH2M HILL

Quarter: First Second Third Fourth
(Circle One)

Annual

Item Inspected	Maintenance Needed (Y/N)	Comments
General Site Access	N	Lock and Gate Functional.
Soil /Grass Cover	N	Site covered with grass except near RW-1 & RW-2 areas.
Security Fencing, Gates and Locks	N	All components are in good shape.
Monitoring Wells	Y	Missing bolts at MW-60. Sediment observed in 4 site monitoring wells during total depth measurements.
Site Drainage	N	Site drainage appears good.
Trees, Bushes, Other Vegetation	Y	Trees & bushes have taken over the site. Brush-hog and trim within and along perimeter.
Miscellaneous	N/A	

P205 D
P207 S
P207 D
MW06 D

**FORMER DOWELL FACILITY - DEPEW, NEW YORK
SITE MANAGEMENT PLAN**

NYSDEC SITE NO. V-00410-9

SITE-WIDE INSPECTION FORM

Date: 7/17/2014 Inspector: Ellen Moyer
Weather: Sunny Signature: Ellen Moyer
Temperature: ~70°F Company: CH2M HILL

Quarter: First Second Third Fourth
(Circle One)

Item Inspected	Maintenance Needed (Y/N)	Comments
General Site Access	no	Good and well maintained. Room for 2 cars to safely pull off the road + park in front of the gate.
Soil /Grass Cover	no	Good, and healthy looking. Grass/weed cover ~ 6-12" tall. No staining. _{soil}
Security Fencing, Gates and Locks	no	Good and well maintained. The gate was locked + when unlocked slid open easily.
Monitoring Wells	yes	MW-6D lid is missing its 2 bolts, which could be replaced.
Site Drainage	no	There was no standing water but soil near MW-6S/D was moist.
Trees, Bushes, Other Vegetation	no	Looks healthy.
Miscellaneous		