

Periodic Review Report 2010–2018

Brownfield Cleanup Program
Former Griffin Technology Site #C835008
6132 Victor-Manchester Road
Town of Farmington
Ontario County, New York

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Executive Summary

The Former Griffin Technology Site #C835008 (hereinafter referred to as the “Site”), located at 6132 Victor Manchester Road in the Town of Farmington, Ontario County, New York is a 3.6-acre parcel (Figure 1). The Site was the location of Griffin Technology from 1975 to the mid-1990s and was used for photocopying operations involving the use of trichloroethene (TCE). The Site was admitted to the Brownfield Cleanup Program (BCP) on August 24, 2007 and is currently listed as a Class C New York State Department of Environmental Conservation (NYSDEC) Inactive Hazardous Waste Disposal Site (835008). Remedial activities were completed by S&W Redevelopment of North American, LLC (SWRNA) on behalf of Victor Manchester, LLC in 2008.

Initial remedial methods included injecting an aqueous solution of potassium permanganate into fifteen injection wells at the Site between July and September 2008. Site observation and findings indicated the potassium permanganate solution had dispersed across majority of the Site. However, the permanganate injections failed to adequately reduce levels of contaminants of concern (COCs), including several chlorinated volatile organic compounds (CVOCs). To address residual CVOC concentrations, Lu Engineers performed a round of emulsified vegetable oil (EVO) injections in December 2015, with NYSDEC oversight.

The effectiveness of the remedial actions outlined in the Site Management Plan (SMP), dated December 2008, and subsequent injections have been monitored through periodic groundwater sampling. Groundwater analytical data has fluctuated throughout the reporting period; however, an overall reduction in CVOC concentrations has occurred on Site (with respect to baseline sampling results). During the most recent sampling event (July 2018), analytical data indicated a slight increase in several constituents, including cis-1,2-dichloroethane (cis-1,2-DCE) and vinyl chloride, both degradation products of TCE. The increase in these constituents is presumably a result of TCE breakdown. The observed fluctuations of TCE concentrations throughout the reporting period appear to be related to groundwater levels at the time of sampling; a lower water table generally results in higher detection levels.

The implemented remedies to manage residual contamination are effective, protective and are progressing towards the remedial action objectives (RAOs). The Institutional Controls (ICs) and Engineering Controls (ECs) outlined in the Monitoring and Sampling Plan were fully in place and effective during this reporting period. These ICs/ECs include land and groundwater use restrictions, and adherence to an approved SMP. No deficiencies were present and therefore, no corrective measures are recommended during this reporting period.

No structures have been constructed on the Site and no change of use has occurred on the Site during this reporting period.

The required IC/EC certification has been completed as a component of this PRR report and a copy is included as Attachment C.

1.0 Periodic Review Report

This Periodic Review Report (PRR) was prepared by Lu Engineers, on behalf of AR15.COM, LLC, in accordance with the requirements set forth in NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010 and the guidelines provided by the New York State Department of Environmental Conservation (NYSDEC). The reporting period for this PRR is from September 15, 2010 to April 30, 2018. The following items are included in this PRR:

- Identification, assessment, and certification of all ICs required by the remedy for the Site;
- Results of the Site sampling events including applicable records generated for the Site during the reporting period;
- A summary of any discharge monitoring data and/or information generated during the reporting period with comments and conclusions;
- Data summary tables of groundwater contaminants of concern by media;
- Laboratory analysis results, and the required laboratory data deliverables for each sample collected during the reporting period have been and will continue to be submitted electronically in a NYSDEC-approved EQuIS format;
- A Site evaluation, which includes the following:
 - I. The compliance of the remedy with the requirements of the SMP;
 - II. The operation and the effectiveness of each treatment unit, including identification of any needed repairs or modifications;
 - III. Any new conclusions or observations regarding Site contamination based on inspection or lab data generated during the monitoring events;
 - IV. Recommendations regarding any necessary changes to the remedy and/or SMP; and the overall performance and effectiveness of the remedy to date.

2.0 Site Overview

The Site is located at 6132 Victor-Manchester Road, Ontario County, Farmington, New York and is outlined on the Site Location Map (Figure 1). The Brownfield Cleanup Agreement (BCA) describes the Site as consisting of Tax Parcel 29.00-1-12 and the southern quarter of parcel 29.00-1-76-1. The Site is bounded by a wooded area to the north, Victor-Manchester Road to the south, a wooded area to the east, and a commercial property to the west. The attached figures provide detail on the Site layout as well as the location of wells and other relevant features.

The Site (BCP C835008) is the location of the former Griffin Technology Site, which is a listed NYSDEC Inactive Hazardous Waste Disposal Site (835008). A Certificate of Completion, dated May 12, 2009, has been issued regarding remediation soil and groundwater contamination; the parcel is considered to be a controlled recognized environmental condition (CREC) at this time.

Griffin Technology operated on the Site from 1975 until the mid-1990s performing photo coating (laminating) operations. TCE was believed to be present in liquid waste that was released onto the ground outside the western door of the Site building from approximately 1975 until 1986. It is estimated that a total of approximately 490 gallons of waste was released in 5-gallon increments over that time frame (BB&L, July 1991).

Previous environmental work includes, but is not limited to, the following:

- Interim Remedial Measures (IRM) Work Plan 1996 by Woodward-Clyde
- Three (3) recovery wells screened in bedrock across the overburden/bedrock interface began operation in 1997
- Fourth recovery well went into operation in 1999
- Admitted to BCP in 2007
- ISCO applied w/ NYSDEC-approved Remedial Design Document by SWRNA in 2008
- SMP 2008
- SMP PRR, S&W Redevelopment of North America, LLC in 2011
- Corrective Measure Plan (CMP) by Labella in 2012
- Final well sampling report (Test America, November 2013)

Surface and subsurface soil samples have not previously indicated contaminant concentrations in exceedance of applicable 6NYCRR Part 375-6.8(b) standards. CVOCs have been detected in groundwater above 6 NYCRR Part 703.5 Class GA Ambient Groundwater Quality standards. Main contaminants of concern (COC) identified include TCE and its degradation products, cis-1,2-DCE, and vinyl chloride.

In July and September 2008, SWRNA oversaw the injection of an aqueous solution containing approximately 13,530 pounds of potassium permanganate into fifteen on-site injection wells. Monitoring of the on-site observation wells indicated the potassium permanganate solution had evenly dispersed across the majority of the Site. Quarterly groundwater monitoring was implemented at the Site in accordance with the NYSDEC-approved SMP. Results from groundwater sampling events indicated that levels of TCE and other COCs returned to levels observed prior to the permanganate injection program.

In December 2015, Lu Engineers oversaw the injection of 640 gallons of emulsified vegetable oil (EVO) into 14 Site injection wells with NYSDEC oversight. Work was performed accordance with the NYSDEC-approved IRM Work Plan, dated September 2014. EVO was used to capture and immobilize CVOCs in groundwater and stimulate attenuation by natural microbes. The March and June 2016 groundwater sampling events were performed in predetermined intervals to evaluate the effectiveness of the IRM.

Long term management of the remaining contamination, as required by the SMP involves monitoring and reporting through controls implemented at the Site, including periodic sampling of nine (9) observation wells (OW-1 through OW-9) for VOCs.

3.0 Remedy Performance, Effectiveness, and Protectiveness

Post-remedial groundwater sampling indicates that low-level groundwater impacts persist at the Site since completion of IRMs. The following seven (7) groundwater sampling events were conducted in accordance with the SMP during this PRR period:

- June 2011
- November 2013
- March 2016
- June 2016
- November 2016
- October 2017
- July 2018

Table 1 illustrates CVOC concentrations in groundwater since June 2008. Trend graphs of analytical results are also included in Table 1. Figure 2 shows detected analytical exceedances as well as the groundwater contour for the most recent round of sampling (July 2018). Figure 3a illustrates detected exceedances as well as a contaminant concentration contour for TCE. Figure 3b illustrates detected exceedances as well as a contaminant concentration contour for TCE degradation products, cis-1,2-DCE, and vinyl chloride. Concentrations in groundwater samples were compared to applicable NYSDEC 6NYCRR Part 703.5 Class GA groundwater standards.

CVOC concentrations have fluctuated throughout sampling events. However, overall reductions (with respect to baseline sampling) have occurred on Site. From October 2017 to July 2018, analytical data indicated a slight increase in several constituents, including cis-1,2-DCE and vinyl chloride. The increase in degradation product concentration is presumably a result of TCE breakdown combined with the effect of lower groundwater levels. Table 1 presents a complete summary of analytical findings and contaminant concentration trend graphs.

The ICs established for the Site have generally been and continue to be in compliance with the SMP. Though residual contamination exists in groundwater, the established controls effectively reduce the potential for human exposure.

4.0 Institutional Controls/Engineering Control Plan Compliance

Since remaining contaminated soil and groundwater exists beneath the Site, ICs/ECs are required to protect public health and the environment. ICs include an Environmental Easement which outlines Site use restrictions and groundwater use prohibition. The SMP did not require implementation of ECs, however, ECs may be implemented to mitigate soil vapor intrusion (SVI) in newly constructed buildings on-Site, or if the existing building is re-occupied (Refer to Section 6 of the SMP).

Institutional Controls (ICs)

A series of ICs is required by the Environmental Easement to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to commercial uses only. Adherence to these Institutional Controls on the Site is required by the Environmental Easement and will be implemented under the SMP. These ICs include:

- The property may only be used for commercial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted or residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- The use of groundwater underlying the property is prohibited without treatment rendering it safe for intended use, and approval from NYSDEC and NYSDOH;
- 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;
- The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the 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 an expert that the NYSDEC finds acceptable; and
- Annual groundwater monitoring will be conducted to assess the performance and effectiveness of the remedy, in accordance with the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement; adherence to these ICs is required.

Engineering Controls (ECs)

- SVI – Prior to constructing any new buildings at the Site, and/or re-occupying existing structures, the owner must conduct a soil vapor investigation to evaluate potential for SVI. Designs for engineering controls to mitigate SVI must be submitted to NYSDEC/NYSDOH for approval prior to occupancy. SVI mitigation is outlined in Section 6 of the SMP.

The required IC/EC certification has been completed as a component of this report and a copy is included as Attachment D.

5.0 Monitoring Plan Compliance Report

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the Site and all affected Site media identified in the table below.

Monitoring/Inspection Schedule

Monitoring Program	Frequency*	Matrix	Analysis
Groundwater Monitoring	Annual	Groundwater	EPA Method 8260 VOCs

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH

Monitoring activities completed during this reporting period (2010-2018) included the following:

- Annual groundwater sampling of Site wells (OW-1 through OW-9)

Groundwater Sampling

The following table summarizes the details of the groundwater sampling program to be completed during each annual sampling event.

Media Sampling and Analysis Summary

Sample Type	Sample Location	Analytical Parameters	Frequency	QA/QC
Groundwater	OW-1 through OW-9	TCL VOC list compounds by EPA Method 8260B	Annual	N/A

Site wells were sampled using low flow sampling methods as outlined in the SMP. Groundwater quality measurements including temperature, turbidity, pH, conductivity and oxidation reduction potential (ORP) were collected during the purging process at each well. Purge water from each well was released to the ground surface near the well. At each well, samples were collected for TCL VOC list compounds by EPA Method 8260B. Groundwater sampling logs are included as Attachment B of this report.

The following sections summarize the analytical results for each year within this reporting period as well as previous periods for reference.

June 2011

TCE was detected in exceedance of 6 NYCRR Part 703 Class GA groundwater quality standards in all wells except for OW-1. OW-6 and OW-7 also indicated exceedances in vinyl chloride. OW-3 and OW-4 indicated exceedances of both cis-1,2-DCE and vinyl chloride. It is noted TCE concentrations decreased with respect to the June 2008 sampling event.

November 2013

TCE concentrations significantly increased at all well locations. Cis-1,2-DCE and vinyl chloride also generally increased at all well locations with respect to the June 2011 sampling round. 1,1,1-trichloroethane (1,1,1-TCA) was also detected in exceedance of 6 NYCRR Part 703 Class GA groundwater quality standards at OW-1 and OW-3.

March 2016

TCE concentrations decreased at all well locations; cis-1,2-DCE and vinyl chloride also decreased at all locations with respect to the November 2013 sampling round. Previous detections of 1,1,1-TCA were not observed this round of sampling. It is also noted OW-6 was dry and not included in sampling. Groundwater levels were the highest observed throughout the reporting period.

June 2016

TCE, cis-1,2-DCE, and vinyl chloride concentrations generally increased at all locations with respect to the March 2016 sampling round. 1,1,1-TCA was detected again in exceedance of 6 NYCRR Part 703 Class GA groundwater quality standards at OW-1. It is noted OW-6 was dry and not included in sampling. Groundwater levels were the lowest historically observed throughout the reporting period

November 2016

TCE, cis-1,2-DCE, and vinyl chloride concentrations decreased at OW-1,2,3,7, and 8 with respect to the June 2016 sampling event. OW-4, 5 and 9 exhibited increased TCE concentrations, with general reductions in cis-1,2-DCE, and vinyl chloride. It is noted OW-6 was dry and not included in the sampling event. Groundwater levels increased significantly with respect to the June 2016 sampling round.

October 2017

TCE concentrations decreased at OW-1,4,5, & 9, and increased at OW-3, 7, and 8 with respect to the November 2016 sampling event. Reductions in cis-1,2-DCE, and vinyl chloride occurred in all wells with exception to OW-3 and 7. It is noted OW-6 was dry and not included in sampling. Groundwater levels did not significantly change with respect to the November 2016 sampling round.

July 2018

TCE concentrations increased at OW-1, 5, 7, & 9, and decreased at OW-2, 3, 4, and 8 with respect to the October 2017 sampling event. TCE is still found in exceedance of NYSDEC 6NYCRR Part 703.5 Class GA groundwater standards at: OW-1 (370 ppb), OW-3 (19 ppb), OW-4 (25 ppb), OW-5 (26 ppb), OW-7 (14 ppb), OW-8/MW-4 (25 ppb), and OW-9/MW-3 (24 ppb).

Cis-1,2-DCE, and vinyl chloride concentrations increased at OW-1, 3, 7, 8, and 9, and decreased at OW-2, 4, and 5 with respect to the October 2017 sampling round. Cis-1,2-DCE still exceeds applicable regulatory criteria at: OW-1 (53 ppb), OW-3 (37 ppb), OW-4 (10 ppb), OW-5 (19 ppb), OW-7 (10 ppb), and OW-8/MW-4 (11 ppb), and vinyl chloride continues to exceed at: OW-1 (17 ppb), OW-3 (25 ppb), OW-4 (4.4 ppb), OW-5 (8.4 ppb), OW-7 (8.6 ppb), OW-8/MW-4 (20 ppb), and OW-9/MW-3 (3.7 ppb).

A 1,1,1-TCA exceedance was detected at OW-1 (7.4 ppb). A copy of the laboratory analytical report is included as Attachment B; a summary of analytical results and contaminant concentration trends are included in the attached tables.

Samples were analyzed by Paradigm Environmental Services, Inc., a New York State Environmental Laboratory Approval Program (ELAP) certified laboratory. All sampling methods and QA/QC measures were adhered to as outlined in the approved SMP.

6.0 Conclusions and Recommendations

IC/EC Compliance

The requirements and regulations set forth in the SMP for ICs were complied with during this reporting period. This includes the following:

Land Use Restriction – The on-site building is currently unoccupied and has met the requirements of this restriction in this reporting period.

Groundwater Use Restriction – The Site is currently vacant and does not use the Site groundwater in any capacity, therefore meeting the requirements of this restriction in this reporting period.

SMP – The Site is currently in compliance with all components of the Site-specific SMP and all requirements have been met during this reporting period.

The requirements set forth in the SMP for all ECs were met during this reporting period. No structures have been constructed on the Site and no change of use has occurred on the Site during this reporting period.

Based on post-remedial groundwater monitoring and sampling conducted to date, TCE and its degradation constituents cis-1,2-DCE, and vinyl chloride continue to exist in groundwater at the Site. The fluctuating analytical results appear to correlate to seasonal changes in groundwater levels (Refer to attached Tables). Data indicates that lower groundwater elevations correspond with decreased CVOC concentrations. This relationship is evidence for significant overall reductions in CVOC concentrations, as well as a decrease in overall contaminant mass. The observed relationship is applicable to all wells with exception to OW-1 and OW-9.

The previously discussed Site-specific ICs and ECs for the Site continue to meet the remedial objectives while establishing protection of public health and the environment. The continued effectiveness of the ICs/ECs has allowed the remedial objectives at the Site to be met for this reporting period.

It is recommended that the next PRR be submitted approximately one (1) year from submittal of this PRR and anticipated sampling event (fourth quarter of 2019), to further evaluate reductions in TCE concentrations.

**Former Griffin Technology Site
Groundwater Sampling Results
2008-2017**

Table 1- Groundwater Results - VOCs

Table 1- Groundwater Results - VOCs																										
Detected Parameters ¹	New York State Groundwater Standard ²	OW-1								OW-2								OW-3								
		Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	
Acetone	50*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5 J	3.5J	ND	ND	ND	ND	ND	ND	4.3 J	3.3J	
1,1,1-Trichloroethane	5	ND	ND	11	ND	10	ND	7.4	ND	ND	ND	1.4	ND	3.6	ND	ND	ND	ND	3.3	5.2	0.93 J	3.2	1.1	1.2	1.4	
1,1-Dichloroethane	5	ND	ND	2	ND	1.5	ND	1.5	ND	ND	ND	ND	ND	2.7	ND	0.60 J	ND	ND	1.4	0.9 J	3.1	2.4	3.4	2.6	2.2	
1,1-Dichloroethene	5	ND	ND	0.49 J	ND	0.50 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26 J	ND	ND	0.36 J	ND	ND	ND	
cis-1,2-Dichloroethene	5	6.3	ND	62	3.3	65	ND	53	1.1 J	2.8	3.5	8.8	54	2.1	7.7	3.2	ND	47	31	22	69	19	24	37		
Methylene Chloride	5	5.2	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	ND	2.0 J8	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	5	510	3.5	420	4.6	440	4.1	3.7	370	11	16	54	2.7	16	6.4	6.4	3.3	210	55	200	1.8	35	4.2	23	19	
Vinyl Chloride	2	ND	ND	19	ND	18	ND	17	ND	0.35 J	0	5.7	55	1.2	5.3	ND	ND	ND	17	9.8	83	37	48	14	25	

BOLD ~ parameter detected above NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

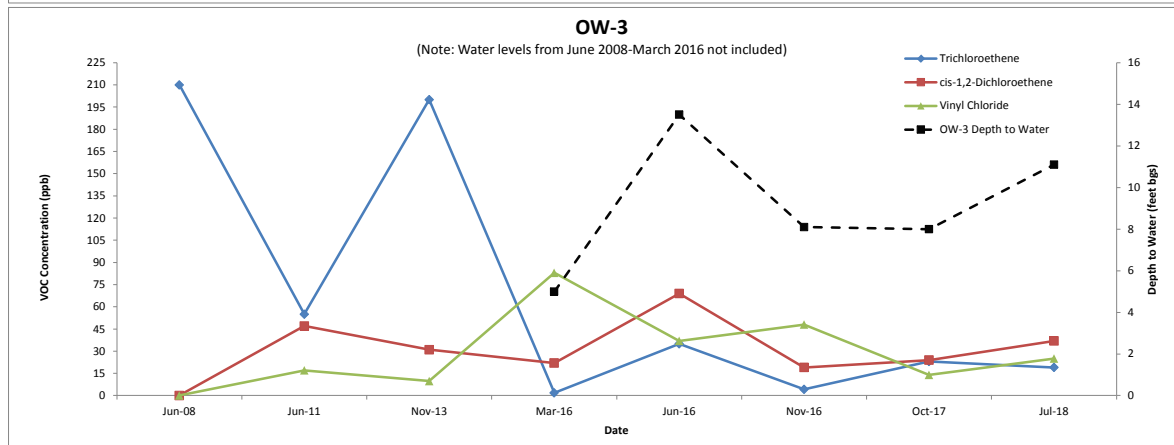
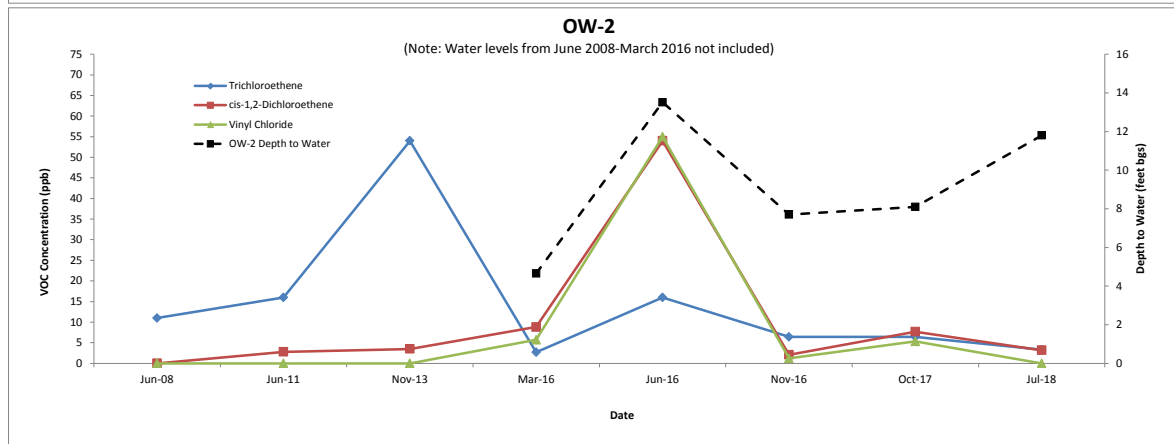
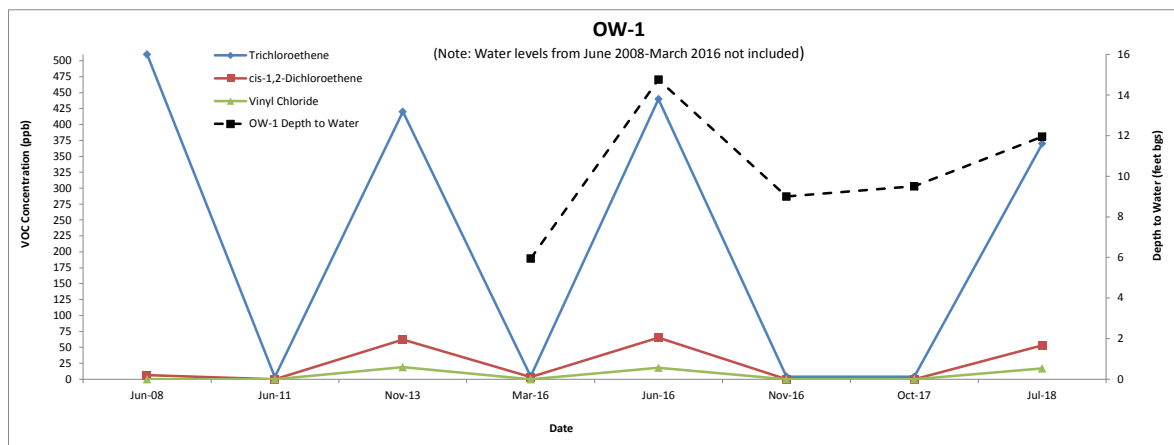
1 - Results presented in ug/L or parts per billion (ppb)

F1 - MS and/or MSD recovery is outside acceptance limits

* - NYSDEC guidance value

J - Result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value

ND - Parameter not detected
NS - Well/location not sampled



**Former Griffin Technology Site
Groundwater Sampling Results
2008-2017**

Table 1- Groundwater Results - VOCs

Detected Parameters ¹	New York State Groundwater Standard ²	OW-4								OW-5								OW-6/RW-2							
		Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18
Acetone	50*	ND	ND	ND	ND	ND	ND	ND	4.5J	ND	ND	ND	ND	ND	ND	3.9J	3.7J	ND	ND	ND	NS	NS	NS	NS	NS
1,1,1-Trichloroethane	5	ND	1.6	2	1.1	1.3	1.8	1.2	ND	ND	1.7	1.6	1.3	1.3	1.5	ND	ND	ND	1.2	3.4	NS	NS	NS	NS	NS
1,1-Dichloroethane	5	ND	ND	0.95J	ND	0.61J	0.70J	0.87J	0.83	ND	0.65	2.5	0.86J	1.7	2.1	1.3	1.4	ND	ND	2.7	NS	NS	NS	NS	NS
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33J	ND	ND	ND	ND	ND	ND	ND	0.56J	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	5	ND	8.3	23	11	16	19	11	10	ND	11	52	19	39	33	19	19	ND	7.7	67	NS	NS	NS	NS	NS
Methylene Chloride	5	ND	0.11JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13	ND	NS	NS	NS	NS	NS
Trichloroethene	5	67	40	54	41	60	35	25	120	57	57	39	44	52	18	26	120	120	30	100	NS	NS	NS	NS	NS
Vinyl Chloride	2	ND	2.3	9.9	1.4	8.5	9.4	5.1	4.4	ND	1.9	30	9.2	23	21	12	8.4	ND	1.5	33	NS	NS	NS	NS	NS

BOLD ~ parameter detected above NYS Ambient Groundwater Standard or applicable NYSEDC Guidance Value

1 - Results presented in ug/L or parts per billion (ppb)

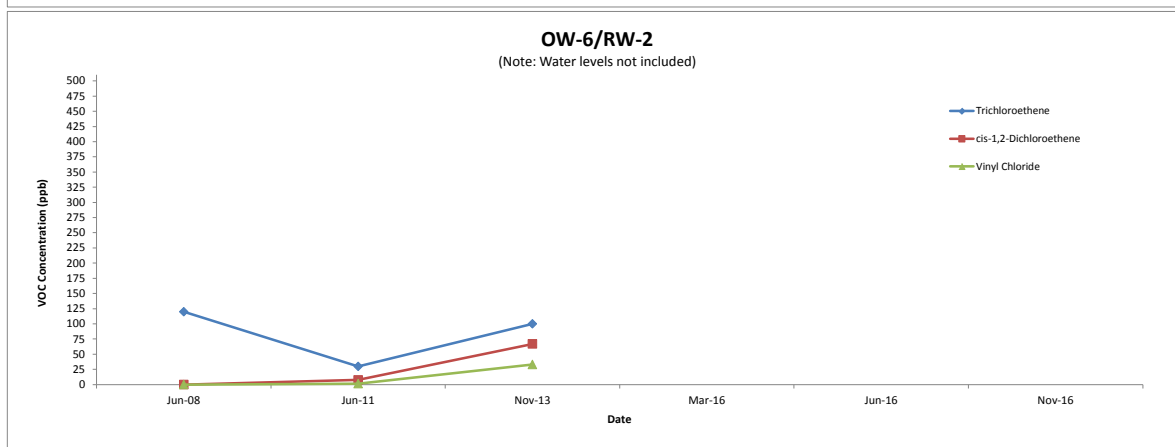
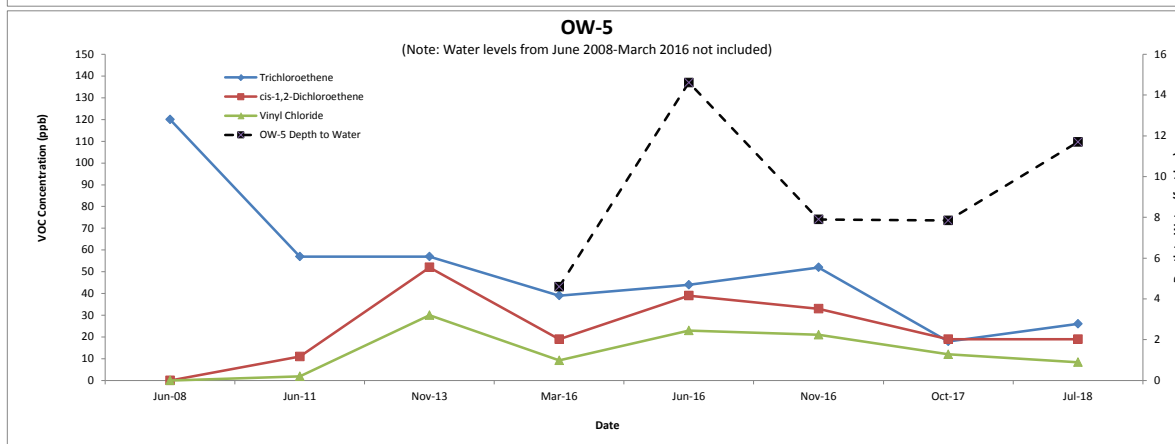
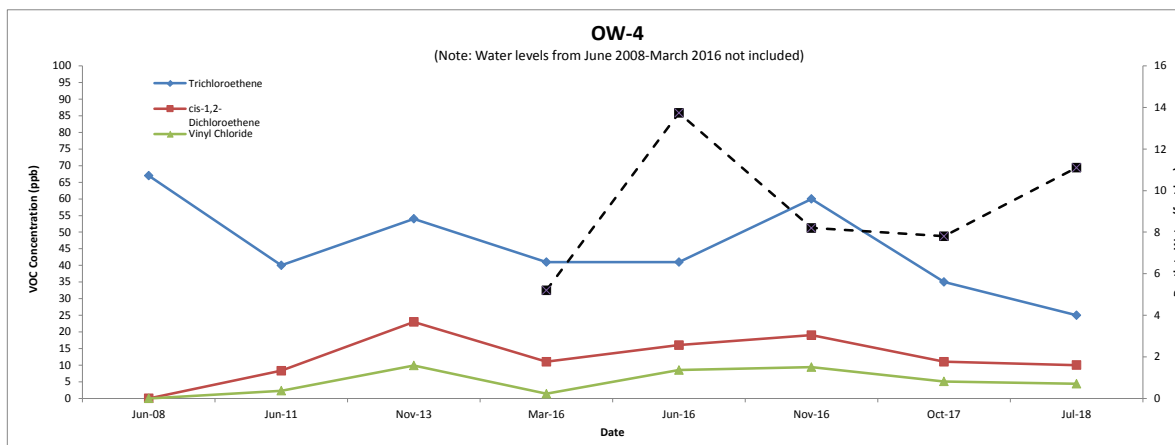
F1 - MS and/or MSD recovery is outside acceptance limits

* - NYSEDC guidance value

J - Result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value

ND - Parameter not detected

NS - Well/location not sampled



**Former Griffin Technology Site
Groundwater Sampling Results
2008-2017**

Table 1- Groundwater Results - VOCs

Detected Parameters ¹	New York State Groundwater Standard ²	OW-7								OW-8/MW-4								OW-9/MW-3							
		Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18
Acetone	50*	ND	ND	ND	ND	ND	ND	4.0 J	4.0J	ND	ND	ND	ND	ND	ND	4.2 J	ND	ND	ND	ND	ND	ND	ND	5.2 J	ND
1,1,1-Trichloroethane	5	ND	ND	2.6	1.1	1.7	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	3	1.3	2.3	ND	0.55 J	0.17	ND	ND	0.95 J	ND	1.1	0.68 J	ND	0.91J	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	5.7	0.75	65	24	43	1.7	7.7	10	1.1 J	1.8	24	5.7	16	10	7.8	11	0.85 J	3.0	12	3.9	8.4	7.6	ND	3
Methylene Chloride	5	2.7 JB	ND	ND	ND	ND	ND	ND	ND	0.11 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	180	5.2	60	20	54	5.3	9.4	14	57	5.7	61	14	29	26	49	25	23	16	39	34	50	58	10	24
Vinyl Chloride	2	ND	ND	74	ND	41	ND	3.5	8.6	ND	1.3	50	7.2	31	16	8.1	20	ND	1.5	5.8	4.6	9.6	5.2	ND	3.7

BOLD ~ parameter detected above NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

1 - Results presented in ug/L or parts per billion (ppb)

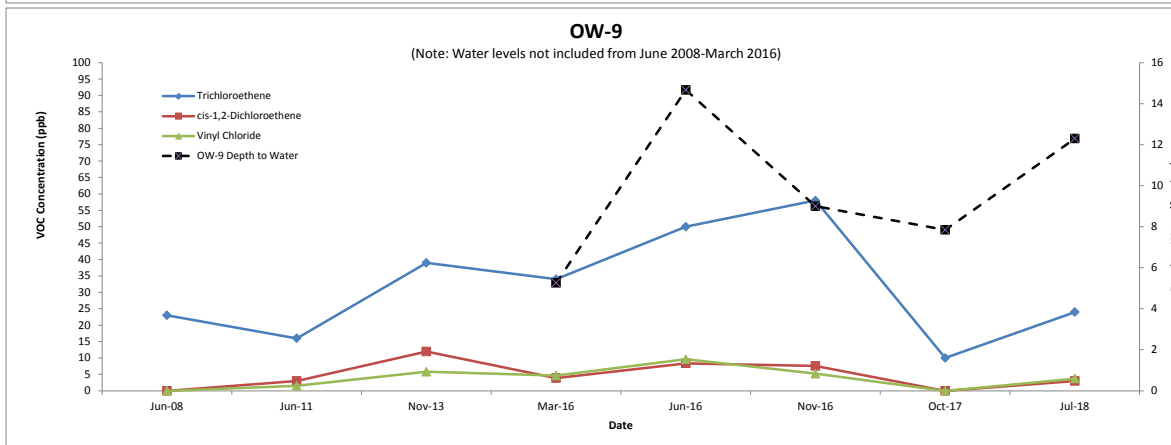
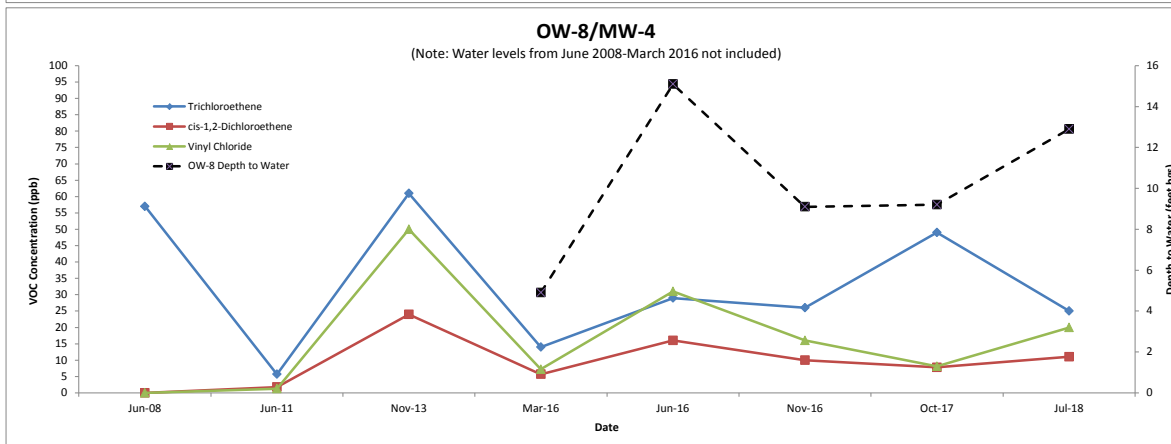
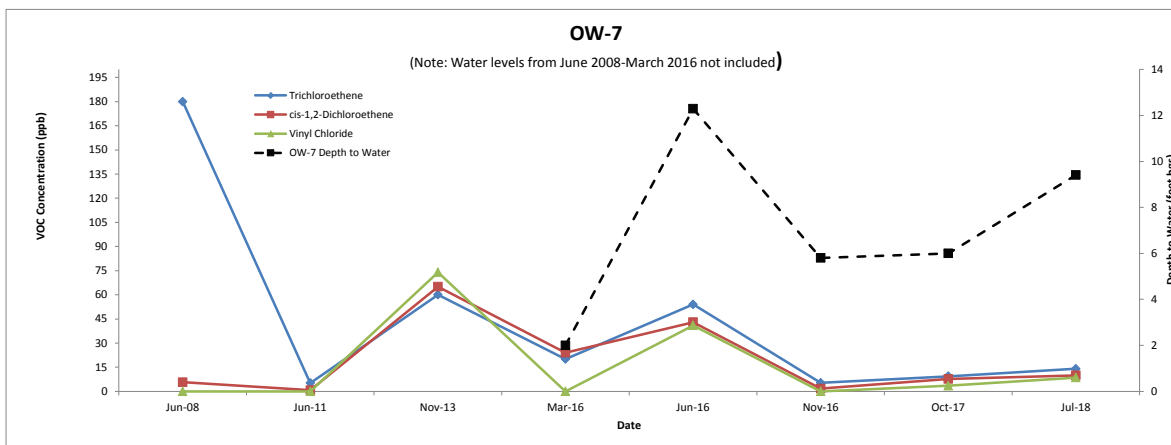
F1 - MS and/or MSD recovery is outside acceptance limits

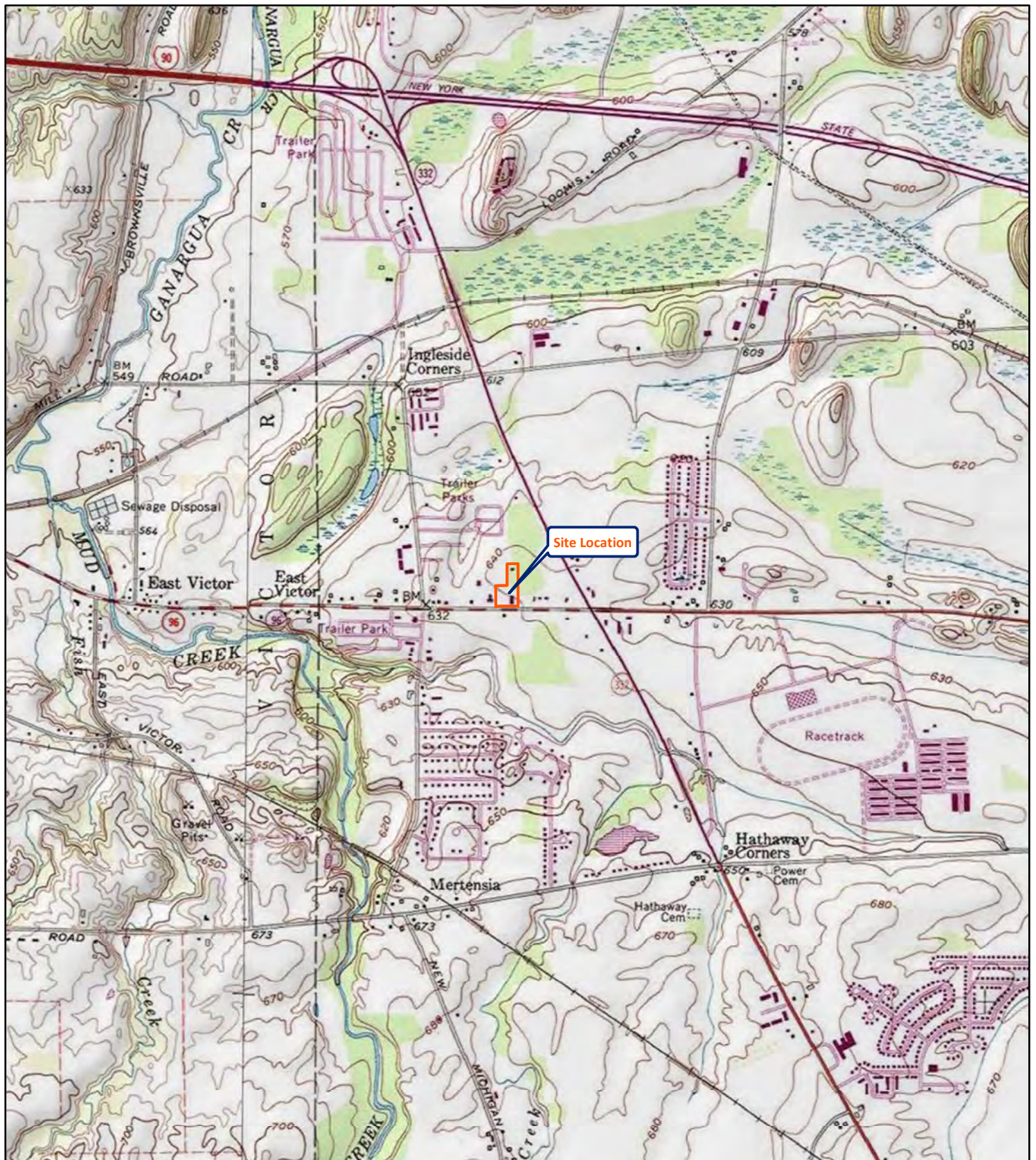
* - NYSDEC guidance value

J- Result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value

ND - Parameter not detected

NS - Well/location not sampled





Contour Interval: 10 Feet

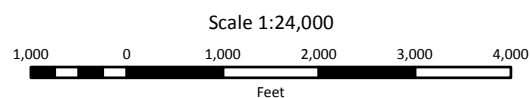


Figure 1. Site Location Plan
Former Griffin Technology Site #C835008
6132 & 6162 Route 96
Farmington, NY

DATE: April 2019
PROJECT #: 50322-01
DRAWN/CHECKED: BGS/GLA
DATA SOURCE: ESRI online basemap



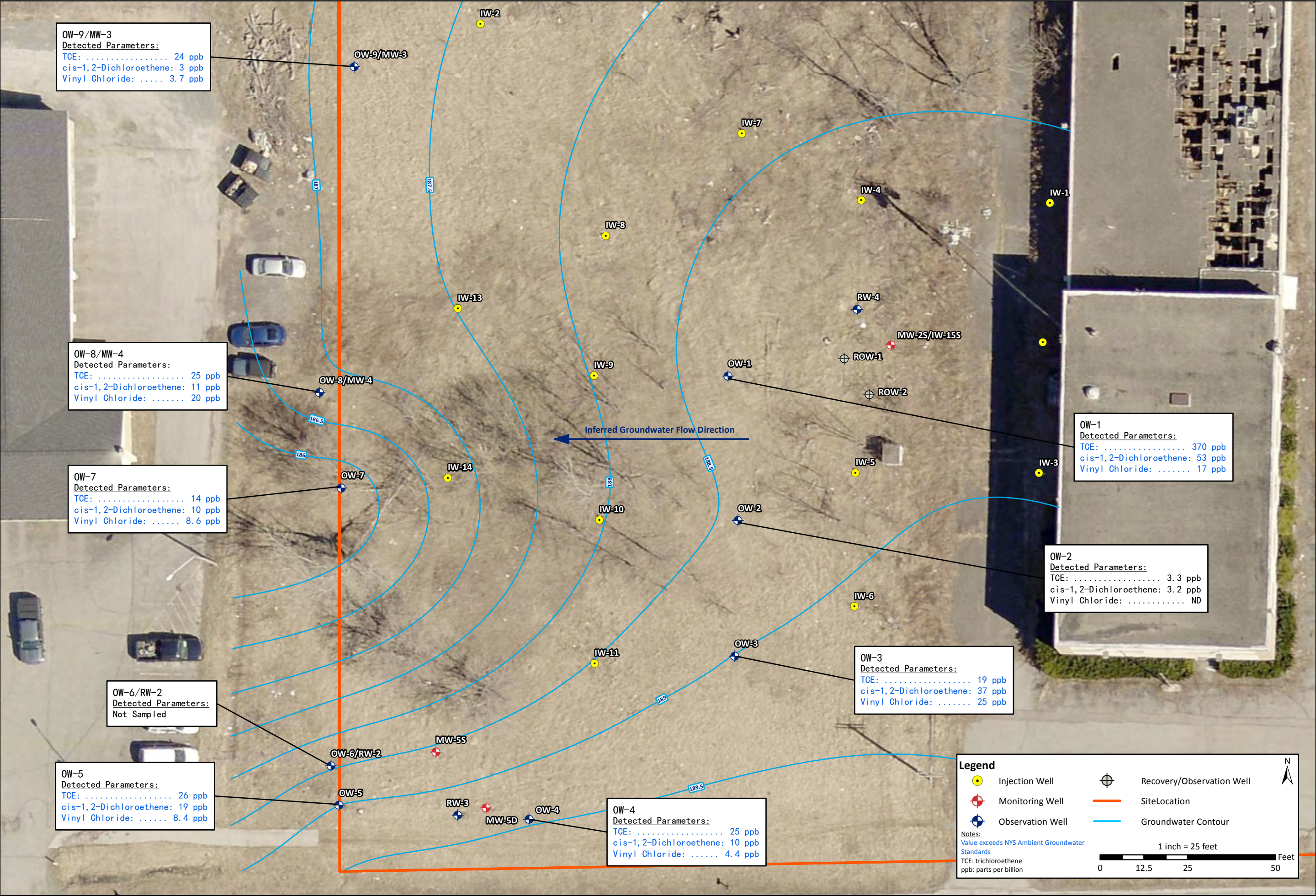
1 inch = 80 feet

0 40 80 160 Feet



Figure 2. Site Layout Plan
Former Griffin Technology Site #C835008
6132 & 6162 Route 96
Farmington, NY

DATE: April 2019
PROJECT #: 50322-01
DRAWN/CHECKED: BGS/GLA
DATA SOURCE: ESRI online basemap



DATE: April 2019
PROJECT NO: 50322-01
DRAWN/CHECKED: BS/GA
DATA SOURCE: Pictometry

Figure 3. July 2018 Groundwater Sample Results Summary
Former Griffin Technology Site #C835008
6132 & 6162 Route 96
Farmington, NY

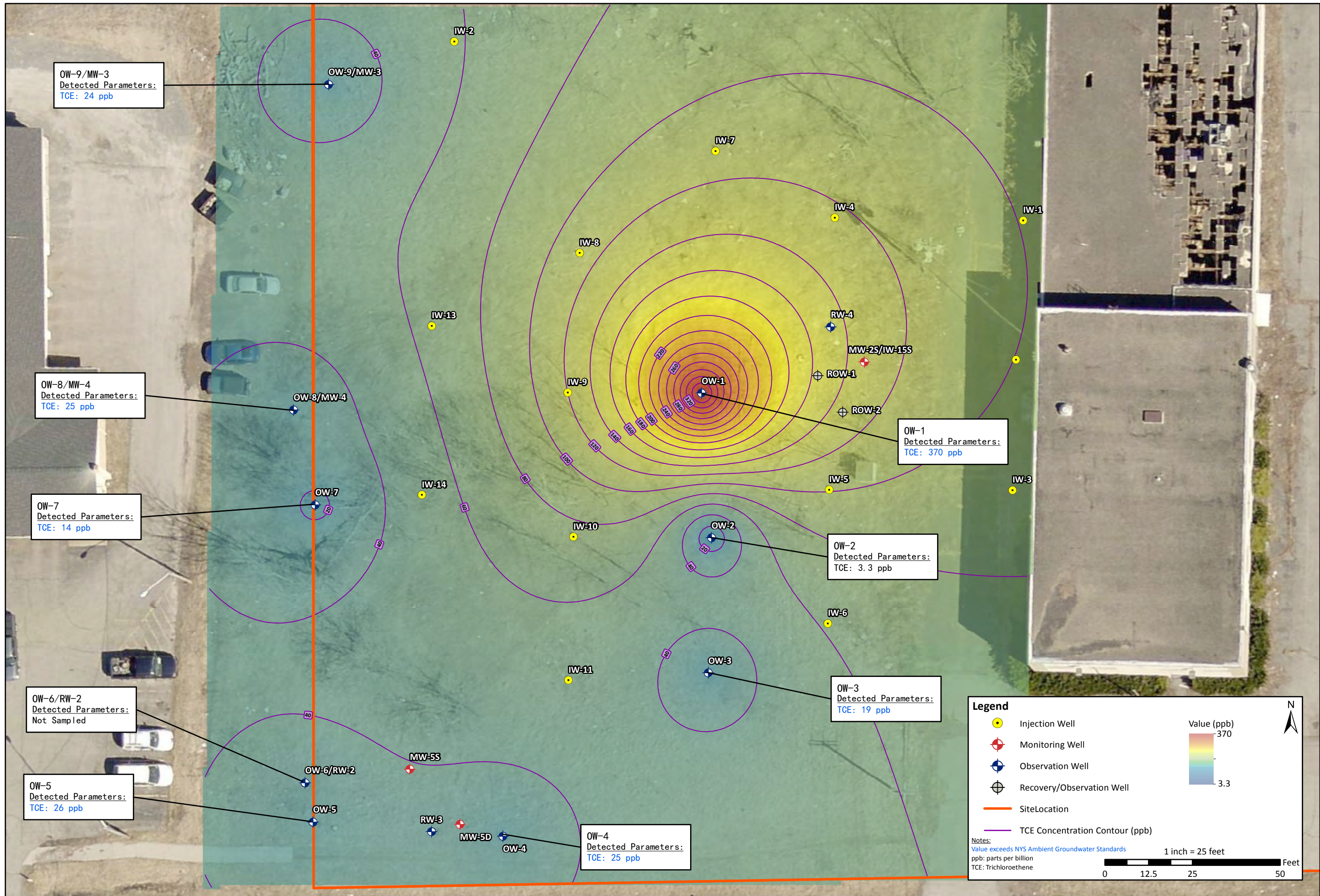


Figure 4. Trichloroethene Concentrations
July 2018 Groundwater Sampling
Former Griffin Technology Site #C835008
6132 & 6162 Route 96
Farmington, NY

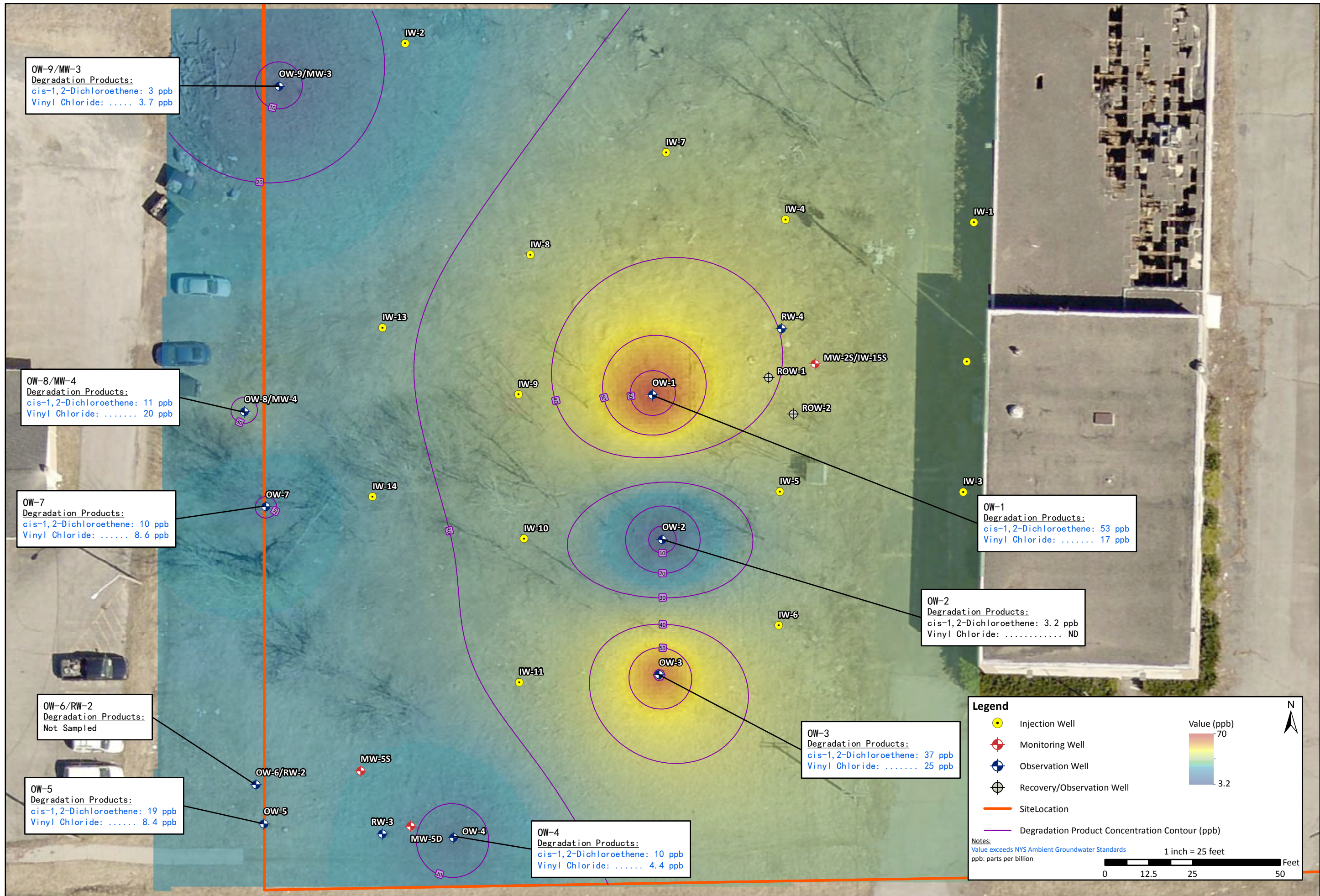


Figure 5. Degradation Product Concentrations
July 2018 Groundwater Sampling
Former Griffin Technology Site #C835008
6132 & 6162 Route 96
Farmington, NY

Low Flow Groundwater Sampling Field Record

 Project Name Former Griffin Site
 Location ID 0W-01
 Activity Time 1055

 Field Sample ID 0W-01 0706(MS/MSD)
 Sample Time 1115

 Job # 50322
 Sampling Event # __
 Date 07/06/2018

SAMPLING NOTES

Initial Depth to Water <u>11.95</u> feet	Measurement Point <u>Mark</u>	Well Diameter <u>2"</u>
Final Depth to Water <u>16.35</u> feet	Well Depth <u>22.5</u> feet	Well Integrity:
Screen Length _____ feet	Pump Intake Depth _____	Cap ☒
Total Volume Purged <u>5.2</u> gallons	PID Well Head _____	Casing ☒
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]		Locked ☒
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth		Collar ☒

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
<u>1115</u>	<u>16.35</u>		<u>12.3</u>	<u>7.28</u>	<u>5.56</u>	<u>90.1</u>	<u>1118</u>	<u>210.0</u>	

 Purge Observations: No odor or skin

 Purge Water Containerized: No

EQUIPMENT DOCUMENTATION

 Type of Pump: PVC Bailer

 Type of Tubing: n/a

 Type of Water Quality Meter: YSI Pro Plus Quatro; LaMotte 2020

 Calibrated: Yes

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	<u>2 x 40 ml</u>	<u>Yes</u>
RCRA Metals		
PCBs		
Pesticides		

LOCATION NOTES

 Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Job # 50322
Sampling Event # __
Date 07/06/2018

Initial Depth to Water <u>11.8</u> feet	Measurement Point <u>Mark</u>	Well Diameter <u>2"</u>
Final Depth to Water <u>11.5</u> feet	Well Depth <u>25.5</u> feet	Well Integrity:
Screen Length _____ feet	Pump Intake Depth _____	Cap ☒
Total Volume Purged <u>6.6</u> gallons	PID Well Head _____	Casing ☒
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]		Locked ☒
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth		Collar ☒

[illegible]

Purge Water Containerized: No

Calibrated: Yes

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Job # 50322
Sampling Event #
Date 07/06/2018

Initial Depth to Water <u>11.1</u> feet	Measurement Point <u>Mark</u>	Well Diameter <u>2"</u>
Final Depth to Water <u>11.35</u> feet	Well Depth <u>29.5</u> feet	Well Integrity:
Screen Length _____ feet	Pump Intake Depth _____	Cap ☒
Total Volume Purged <u>4.0</u> gallons	PID Well Head _____	Casing ☒
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]		Locked ☒
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth		Collar ☒

[illegible]Purge Water Containerized: No

Calibrated: Yes

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Job # 50322
Sampling Event # __
Date 07/06/2018

Initial Depth to Water	<u>11.1</u>	feet	Measurement Point	<u>Mark</u>	Well Diameter	<u>2"</u>
Final Depth to Water	<u>11.4</u>	feet	Well Depth	<u>28</u>	Well Integrity:	
Screen Length		feet	Pump Intake Depth		Cap	☒
Total Volume Purged	<u>8.3</u>	gallons	PID Well Head		Casing	☒
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]					Locked	☒
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth					Collar	☒

[illegible]

Low Flow Groundwater Sampling Field Record



Project Name Former Griffin Site
Location ID 0W-5
Activity Time 0925

Field Sample ID 0W-5 070618
Sample Time 0942

Job # 50322
Sampling Event # __
Date 07/06/2018

SAMPLING NOTES

Initial Depth to Water 11.7 feet Measurement Point Mark Well Diameter 2"
Final Depth to Water 13.0 feet Well Depth 29.0 feet Well Integrity:
Screen Length _____ feet Pump Intake Depth _____ Cap ☒
Total Volume Purged 8.4 gallons PID Well Head _____ Casing ☒
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked ☒
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar ☒

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
0942	13.0		14.3	6.94	3.38	937	1095	161	

Purge Observations: No odor or sheen
Purge Water Containerized: No

EQUIPMENT DOCUMENTATION

Type of Pump: PVC Bailer
Type of Tubing: n/a
Type of Water Quality Meter: YSI Pro Plus Quatro; LaMotte 2020 Calibrated: Yes

ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected
VOCs 2 x 40 ml Yes
RCRA Metals
PCBs
Pesticides

LOCATION NOTES

Low Flow Groundwater Sampling Field Record

 Project Name Former Griffin Site
 Location ID OW-7
 Activity Time 0950

 Field Sample ID OW-7 070618
 Sample Time 1005

 Job # 50322
 Sampling Event # __
 Date 07/06/2018

SAMPLING NOTES

Initial Depth to Water <u>9.41</u> feet	Measurement Point <u>Mark</u>	Well Diameter <u>2"</u>
Final Depth to Water <u>9.47</u> feet	Well Depth <u>24.8</u> feet	Well Integrity:
Screen Length <u> </u> feet	Pump Intake Depth <u> </u>	Cap <u>✓</u>
Total Volume Purged <u>4.5</u> gallons	PID Well Head <u> </u>	Casing <u>✓</u>
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]		Locked <u>✓</u>
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth		Collar <u>✓</u>

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1005			11.8	7.13	2.40	73.7	969	193.9	

 Purge Observations: No odor or shear
 Purge Water Containerized: No

EQUIPMENT DOCUMENTATION

 Type of Pump: PVC Bailer
 Type of Tubing: n/a
 Type of Water Quality Meter: YSI Pro Plus Quatro; LaMotte 2020 Calibrated: Yes

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	<u>Yes</u>
RCRA Metals		
PCBs		
Pesticides		

LOCATION NOTES

Lu Engineers
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Job # 50322

Field Sample ID DW-4 070618

Sampling Event #

Sample Time 1035

Date 07/06/2018

Initial Depth to Water <u>12.5</u> feet	Measurement Point <u>Mark</u>	Well Diameter <u>2"</u>
Final Depth to Water <u>12.9</u> feet	Well Depth <u>19.5</u> feet	Well Integrity:
Screen Length _____ feet	Pump Intake Depth _____	Cap <u>✓</u>
Total Volume Purged <u>3.2</u> gallons	PID Well Head _____	Casing <u>✓</u>
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]		Locked <u>✓</u>
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth		Collar <u>✓</u>

[illegible]

Purge Observations: N. odor or green

Purge Water Containerized: No

Type of Pump: PVC Bailer

Type of Tubing: n/a

Type of Water Quality Meter: YSI Pro Plus Quatro; LaMotte 2020

Calibrated: Yes

LOCATION NOTES

Parameter	Volumes	Sample Collected
-----------	---------	------------------

VOCs	2 x 40 ml	Yes
------	-----------	-----

RCRA Metals

PCBs

Pesticides

[illegible]

Low Flow Groundwater Sampling Field Record

 Project Name Former Griffin Site
 Location ID OW-9
 Activity Time 1245

 Field Sample ID OW-9 070618
 Sample Time 1305

 Job # 50322
 Sampling Event # __
 Date 07/06/2018

SAMPLING NOTES

Initial Depth to Water <u>12.3</u> feet	Measurement Point <u>Mark</u>	Well Diameter <u>2"</u>
Final Depth to Water <u>13.6</u> feet	Well Depth <u>20</u> feet	Well Integrity: <u> </u>
Screen Length <u> </u> feet	Pump Intake Depth <u> </u>	Cap <u>✓</u>
Total Volume Purged <u>0.2</u> gallons	PID Well Head <u> </u>	Casing <u>✓</u>

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

Locked ✓
Collar ✓

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1305	13.6		14.1	7.55	3.06	140	714	25.1	

 Purge Observations: No odor or skin

 Purge Water Containerized: No

EQUIPMENT DOCUMENTATION

 Type of Pump: PVC Bailer

 Type of Tubing: n/a

 Type of Water Quality Meter: YSI Pro Plus Quatro; LaMotte 2020

 Calibrated: Yes

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	<u>Yes</u>
RCRA Metals		
PCBs		
Pesticides		

LOCATION NOTES

Bees hive located in well box.
Sprayed with raid

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-138526-1

Client Project/Site: Griffin #50322

For:

Joseph C. Lu Eng & Land Surveying PC

339 East Avenue

Suite 200

Rochester, New York 14604

Attn: Mr. Greg Andrus



Authorized for release by:

7/11/2018 3:41:36 PM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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

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

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Definitions/Glossary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
E	Result exceeded calibration range.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Job ID: 480-138526-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-138526-1

Receipt

The samples were received on 7/7/2018 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

Receipt Exceptions

Sample 480-138526-7 is listed on the COC as OW-08 070618 however the container ID is OW-04 070618. Per client the sample is logged according to the container ID.

All received vials have headspace.

No sample times were noted on bottles or Chain of Custody.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-423660 recovered above the upper control limit for Cyclohexane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: OW-01 070618 (480-138526-1) and OW-04 070618 (480-138526-7).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-01 070618 (480-138526-1), OW-01 070618 (480-138526-1[MS]) and OW-01 070618 (480-138526-1[MSD]). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 480-423625 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 480-423660 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The following samples are impacted: OW-01 070618 (480-138526-1[MS]) and OW-01 070618 (480-138526-1[MSD]).

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

Detection Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-01 070618

Lab Sample ID: 480-138526-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	7.4		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.5		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	53	F2 F1	1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	370	E	1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	17		1.0	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	53		10	8.1	ug/L	10		8260C	Total/NA
Trichloroethene - DL	440	F1	10	4.6	ug/L	10		8260C	Total/NA
Vinyl chloride - DL	17	F2	10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: OW-02 070618

Lab Sample ID: 480-138526-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.5	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.2		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	3.3		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OW-03 070618

Lab Sample ID: 480-138526-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.4		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.2		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	3.3	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	37		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	19		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	25		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OW-04/08 070618

Lab Sample ID: 480-138526-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.91	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	11		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	25		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	20		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OW-05 070618

Lab Sample ID: 480-138526-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.4		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	3.7	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	19		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	26		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	8.4		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OW-07 070618

Lab Sample ID: 480-138526-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.71	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	4.0	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	14		1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-07 070618 (Continued)

Lab Sample ID: 480-138526-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	8.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OW-04 070618

Lab Sample ID: 480-138526-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.83	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	4.5	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	25		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	4.4		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OW-09 070618

Lab Sample ID: 480-138526-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.0		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	24		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	3.7		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: BLIND DUP

Lab Sample ID: 480-138526-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.5		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.3		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	36		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	19		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	25		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-01 070618

Lab Sample ID: 480-138526-1

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	7.4		1.0	0.82	ug/L			07/10/18 00:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 00:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 00:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 00:15	1
1,1-Dichloroethane	1.5		1.0	0.38	ug/L			07/10/18 00:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 00:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 00:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 00:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 00:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 00:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 00:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 00:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 00:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 00:15	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 00:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 00:15	1
Acetone	ND		10	3.0	ug/L			07/10/18 00:15	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 00:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 00:15	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 00:15	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 00:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 00:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 00:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 00:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 00:15	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 00:15	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 00:15	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 00:15	1
cis-1,2-Dichloroethene	53	F2 F1	1.0	0.81	ug/L			07/10/18 00:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 00:15	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 00:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 00:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 00:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 00:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 00:15	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 00:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 00:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 00:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 00:15	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 00:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 00:15	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 00:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 00:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 00:15	1
Trichloroethene	370	E	1.0	0.46	ug/L			07/10/18 00:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 00:15	1
Vinyl chloride	17		1.0	0.90	ug/L			07/10/18 00:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 00:15	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-01 070618

Lab Sample ID: 480-138526-1

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					<i>07/10/18 00:15</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	<i>100</i>		<i>80 - 120</i>					<i>07/10/18 00:15</i>	<i>1</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>102</i>		<i>77 - 120</i>					<i>07/10/18 00:15</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>99</i>		<i>73 - 120</i>					<i>07/10/18 00:15</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>103</i>		<i>75 - 123</i>					<i>07/10/18 00:15</i>	<i>1</i>

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	10	8.2	ug/L			07/10/18 17:03	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			07/10/18 17:03	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			07/10/18 17:03	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			07/10/18 17:03	10
1,1-Dichloroethane	ND		10	3.8	ug/L			07/10/18 17:03	10
1,1-Dichloroethene	ND	F2	10	2.9	ug/L			07/10/18 17:03	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			07/10/18 17:03	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			07/10/18 17:03	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			07/10/18 17:03	10
1,2-Dichloroethane	ND		10	2.1	ug/L			07/10/18 17:03	10
1,2-Dichloropropane	ND		10	7.2	ug/L			07/10/18 17:03	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			07/10/18 17:03	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			07/10/18 17:03	10
2-Butanone (MEK)	ND		100	13	ug/L			07/10/18 17:03	10
2-Hexanone	ND		50	12	ug/L			07/10/18 17:03	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			07/10/18 17:03	10
Acetone	ND		100	30	ug/L			07/10/18 17:03	10
Benzene	ND	F2	10	4.1	ug/L			07/10/18 17:03	10
Bromodichloromethane	ND		10	3.9	ug/L			07/10/18 17:03	10
Bromoform	ND		10	2.6	ug/L			07/10/18 17:03	10
Bromomethane	ND		10	6.9	ug/L			07/10/18 17:03	10
Carbon disulfide	ND		10	1.9	ug/L			07/10/18 17:03	10
Carbon tetrachloride	ND		10	2.7	ug/L			07/10/18 17:03	10
Chlorobenzene	ND		10	7.5	ug/L			07/10/18 17:03	10
Dibromochloromethane	ND		10	3.2	ug/L			07/10/18 17:03	10
Chloroethane	ND	F2	10	3.2	ug/L			07/10/18 17:03	10
Chloroform	ND		10	3.4	ug/L			07/10/18 17:03	10
Chloromethane	ND	F2	10	3.5	ug/L			07/10/18 17:03	10
cis-1,2-Dichloroethene	53		10	8.1	ug/L			07/10/18 17:03	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			07/10/18 17:03	10
Cyclohexane	ND		10	1.8	ug/L			07/10/18 17:03	10
Dichlorodifluoromethane	ND	F1	10	6.8	ug/L			07/10/18 17:03	10
Ethylbenzene	ND		10	7.4	ug/L			07/10/18 17:03	10
1,2-Dibromoethane	ND		10	7.3	ug/L			07/10/18 17:03	10
Isopropylbenzene	ND		10	7.9	ug/L			07/10/18 17:03	10
Methyl acetate	ND		25	13	ug/L			07/10/18 17:03	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			07/10/18 17:03	10
Methylcyclohexane	ND		10	1.6	ug/L			07/10/18 17:03	10
Methylene Chloride	ND		10	4.4	ug/L			07/10/18 17:03	10
Styrene	ND		10	7.3	ug/L			07/10/18 17:03	10

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-01 070618

Lab Sample ID: 480-138526-1

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		10	3.6	ug/L			07/10/18 17:03	10
Toluene	ND		10	5.1	ug/L			07/10/18 17:03	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			07/10/18 17:03	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			07/10/18 17:03	10
Trichloroethene	440	F1	10	4.6	ug/L			07/10/18 17:03	10
Trichlorofluoromethane	ND	F2	10	8.8	ug/L			07/10/18 17:03	10
Vinyl chloride	17	F2	10	9.0	ug/L			07/10/18 17:03	10
Xylenes, Total	ND		20	6.6	ug/L			07/10/18 17:03	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 17:03	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		07/10/18 17:03	10
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		07/10/18 17:03	10
4-Bromofluorobenzene (Surr)	104		73 - 120		07/10/18 17:03	10
Dibromofluoromethane (Surr)	104		75 - 123		07/10/18 17:03	10

Client Sample ID: OW-02 070618

Lab Sample ID: 480-138526-2

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 00:38	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 00:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 00:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 00:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/10/18 00:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 00:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 00:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 00:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 00:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 00:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 00:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 00:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 00:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 00:38	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 00:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 00:38	1
Acetone	3.5	J	10	3.0	ug/L			07/10/18 00:38	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 00:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 00:38	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 00:38	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 00:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 00:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 00:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 00:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 00:38	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 00:38	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-02 070618

Lab Sample ID: 480-138526-2

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			07/10/18 00:38	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 00:38	1
cis-1,2-Dichloroethene	3.2		1.0	0.81	ug/L			07/10/18 00:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 00:38	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 00:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 00:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 00:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 00:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 00:38	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 00:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 00:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 00:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 00:38	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 00:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 00:38	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 00:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 00:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 00:38	1
Trichloroethene	3.3		1.0	0.46	ug/L			07/10/18 00:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 00:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/10/18 00:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 00:38	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		07/10/18 00:38	1
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		07/10/18 00:38	1
4-Bromofluorobenzene (Surr)	100		73 - 120		07/10/18 00:38	1
Dibromofluoromethane (Surr)	106		75 - 123		07/10/18 00:38	1

Client Sample ID: OW-03 070618

Lab Sample ID: 480-138526-3

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.4		1.0	0.82	ug/L			07/10/18 01:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 01:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 01:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 01:01	1
1,1-Dichloroethane	2.2		1.0	0.38	ug/L			07/10/18 01:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 01:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 01:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 01:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 01:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 01:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 01:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 01:01	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-03 070618

Lab Sample ID: 480-138526-3

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 01:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 01:01	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 01:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 01:01	1
Acetone	3.3	J	10	3.0	ug/L			07/10/18 01:01	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 01:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 01:01	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 01:01	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 01:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 01:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 01:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 01:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 01:01	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 01:01	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 01:01	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 01:01	1
cis-1,2-Dichloroethene	37		1.0	0.81	ug/L			07/10/18 01:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 01:01	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 01:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 01:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 01:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 01:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 01:01	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 01:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 01:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 01:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 01:01	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 01:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 01:01	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 01:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 01:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 01:01	1
Trichloroethene	19		1.0	0.46	ug/L			07/10/18 01:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 01:01	1
Vinyl chloride	25		1.0	0.90	ug/L			07/10/18 01:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 01:01	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 01:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		07/10/18 01:01	1
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		07/10/18 01:01	1
4-Bromofluorobenzene (Surr)	99		73 - 120		07/10/18 01:01	1
Dibromofluoromethane (Surr)	108		75 - 123		07/10/18 01:01	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-04/08 070618

Lab Sample ID: 480-138526-4

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 01:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 01:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 01:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 01:24	1
1,1-Dichloroethane	0.91	J	1.0	0.38	ug/L			07/10/18 01:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 01:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 01:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 01:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 01:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 01:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 01:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 01:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 01:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 01:24	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 01:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 01:24	1
Acetone	ND		10	3.0	ug/L			07/10/18 01:24	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 01:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 01:24	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 01:24	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 01:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 01:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 01:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 01:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 01:24	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 01:24	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 01:24	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 01:24	1
cis-1,2-Dichloroethene	11		1.0	0.81	ug/L			07/10/18 01:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 01:24	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 01:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 01:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 01:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 01:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 01:24	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 01:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 01:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 01:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 01:24	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 01:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 01:24	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 01:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 01:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 01:24	1
Trichloroethene	25		1.0	0.46	ug/L			07/10/18 01:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 01:24	1
Vinyl chloride	20		1.0	0.90	ug/L			07/10/18 01:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 01:24	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-04/08 070618

Lab Sample ID: 480-138526-4

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					<i>07/10/18 01:24</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	<i>102</i>		<i>80 - 120</i>					<i>07/10/18 01:24</i>	<i>1</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>109</i>		<i>77 - 120</i>					<i>07/10/18 01:24</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>97</i>		<i>73 - 120</i>					<i>07/10/18 01:24</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>107</i>		<i>75 - 123</i>					<i>07/10/18 01:24</i>	<i>1</i>

Client Sample ID: OW-05 070618

Lab Sample ID: 480-138526-5

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 01:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 01:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 01:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 01:48	1
1,1-Dichloroethane	1.4		1.0	0.38	ug/L			07/10/18 01:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 01:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 01:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 01:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 01:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 01:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 01:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 01:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 01:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 01:48	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 01:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 01:48	1
Acetone	3.7 J		10	3.0	ug/L			07/10/18 01:48	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 01:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 01:48	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 01:48	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 01:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 01:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 01:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 01:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 01:48	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 01:48	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 01:48	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 01:48	1
cis-1,2-Dichloroethene	19		1.0	0.81	ug/L			07/10/18 01:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 01:48	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 01:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 01:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 01:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 01:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 01:48	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 01:48	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-05 070618

Lab Sample ID: 480-138526-5

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 01:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 01:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 01:48	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 01:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 01:48	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 01:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 01:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 01:48	1
Trichloroethene	26		1.0	0.46	ug/L			07/10/18 01:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 01:48	1
Vinyl chloride	8.4		1.0	0.90	ug/L			07/10/18 01:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 01:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		07/10/18 01:48	1
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		07/10/18 01:48	1
4-Bromofluorobenzene (Surr)	99		73 - 120		07/10/18 01:48	1
Dibromofluoromethane (Surr)	105		75 - 123		07/10/18 01:48	1

Client Sample ID: OW-07 070618

Lab Sample ID: 480-138526-6

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 02:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 02:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 02:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 02:11	1
1,1-Dichloroethane	0.71	J	1.0	0.38	ug/L			07/10/18 02:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 02:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 02:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 02:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 02:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 02:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 02:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 02:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 02:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 02:11	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 02:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 02:11	1
Acetone	4.0	J	10	3.0	ug/L			07/10/18 02:11	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 02:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 02:11	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 02:11	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 02:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 02:11	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-07 070618

Lab Sample ID: 480-138526-6

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 02:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 02:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 02:11	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 02:11	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 02:11	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 02:11	1
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L			07/10/18 02:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 02:11	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 02:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 02:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 02:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 02:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 02:11	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 02:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 02:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 02:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 02:11	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 02:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 02:11	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 02:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 02:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 02:11	1
Trichloroethene	14		1.0	0.46	ug/L			07/10/18 02:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 02:11	1
Vinyl chloride	8.6		1.0	0.90	ug/L			07/10/18 02:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 02:11	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 02:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		07/10/18 02:11	1
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		07/10/18 02:11	1
4-Bromofluorobenzene (Surr)	100		73 - 120		07/10/18 02:11	1
Dibromofluoromethane (Surr)	105		75 - 123		07/10/18 02:11	1

Client Sample ID: OW-04 070618

Lab Sample ID: 480-138526-7

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 19:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 19:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 19:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 19:49	1
1,1-Dichloroethane	0.83 J		1.0	0.38	ug/L			07/10/18 19:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 19:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 19:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 19:49	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-04 070618

Lab Sample ID: 480-138526-7

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 19:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 19:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 19:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 19:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 19:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 19:49	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 19:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 19:49	1
Acetone	4.5	J	10	3.0	ug/L			07/10/18 19:49	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 19:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 19:49	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 19:49	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 19:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 19:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 19:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 19:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 19:49	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 19:49	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 19:49	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 19:49	1
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L			07/10/18 19:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 19:49	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 19:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 19:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 19:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 19:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 19:49	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 19:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 19:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 19:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 19:49	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 19:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 19:49	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 19:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 19:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 19:49	1
Trichloroethene	25		1.0	0.46	ug/L			07/10/18 19:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 19:49	1
Vinyl chloride	4.4		1.0	0.90	ug/L			07/10/18 19:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 19:49	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 19:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		07/10/18 19:49	1
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		07/10/18 19:49	1
4-Bromofluorobenzene (Surr)	104		73 - 120		07/10/18 19:49	1
Dibromofluoromethane (Surr)	105		75 - 123		07/10/18 19:49	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-09 070618

Lab Sample ID: 480-138526-8

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 02:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 02:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 02:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 02:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/10/18 02:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 02:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 02:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 02:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 02:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 02:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 02:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 02:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 02:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 02:34	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 02:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 02:34	1
Acetone	ND		10	3.0	ug/L			07/10/18 02:34	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 02:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 02:34	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 02:34	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 02:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 02:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 02:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 02:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 02:34	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 02:34	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 02:34	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 02:34	1
cis-1,2-Dichloroethene	3.0		1.0	0.81	ug/L			07/10/18 02:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 02:34	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 02:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 02:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 02:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 02:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 02:34	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 02:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 02:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 02:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 02:34	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 02:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 02:34	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 02:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 02:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 02:34	1
Trichloroethene	24		1.0	0.46	ug/L			07/10/18 02:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 02:34	1
Vinyl chloride	3.7		1.0	0.90	ug/L			07/10/18 02:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 02:34	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-09 070618

Lab Sample ID: 480-138526-8

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					<i>07/10/18 02:34</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	<i>102</i>		<i>80 - 120</i>					<i>07/10/18 02:34</i>	<i>1</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>109</i>		<i>77 - 120</i>					<i>07/10/18 02:34</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>97</i>		<i>73 - 120</i>					<i>07/10/18 02:34</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>106</i>		<i>75 - 123</i>					<i>07/10/18 02:34</i>	<i>1</i>

Client Sample ID: BLIND DUP

Lab Sample ID: 480-138526-9

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.5		1.0	0.82	ug/L			07/10/18 02:58	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 02:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 02:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 02:58	1
1,1-Dichloroethane	2.3		1.0	0.38	ug/L			07/10/18 02:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 02:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 02:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 02:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 02:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 02:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 02:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 02:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 02:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 02:58	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 02:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 02:58	1
Acetone	ND		10	3.0	ug/L			07/10/18 02:58	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 02:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 02:58	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 02:58	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 02:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 02:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 02:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 02:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 02:58	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 02:58	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 02:58	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 02:58	1
cis-1,2-Dichloroethene	36		1.0	0.81	ug/L			07/10/18 02:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 02:58	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 02:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 02:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 02:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 02:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 02:58	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 02:58	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: BLIND DUP

Lab Sample ID: 480-138526-9

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 02:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 02:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 02:58	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 02:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 02:58	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 02:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 02:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 02:58	1
Trichloroethene	19		1.0	0.46	ug/L			07/10/18 02:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 02:58	1
Vinyl chloride	25		1.0	0.90	ug/L			07/10/18 02:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 02:58	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 02:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		07/10/18 02:58	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		07/10/18 02:58	1
4-Bromofluorobenzene (Surr)	96		73 - 120		07/10/18 02:58	1
Dibromofluoromethane (Surr)	105		75 - 123		07/10/18 02:58	1

Surrogate Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
480-138526-1	OW-01 070618	100	102	99	103
480-138526-1 - DL	OW-01 070618	96	111	104	104
480-138526-1 MS	OW-01 070618	100	103	100	101
480-138526-1 MS - DL	OW-01 070618	99	114	107	108
480-138526-1 MSD	OW-01 070618	103	103	102	103
480-138526-1 MSD - DL	OW-01 070618	99	110	106	107
480-138526-2	OW-02 070618	102	106	100	106
480-138526-3	OW-03 070618	101	109	99	108
480-138526-4	OW-04/08 070618	102	109	97	107
480-138526-5	OW-05 070618	103	111	99	105
480-138526-6	OW-07 070618	103	106	100	105
480-138526-7	OW-04 070618	96	109	104	105
480-138526-8	OW-09 070618	102	109	97	106
480-138526-9	BLIND DUP	99	104	96	105
LCS 480-423625/4	Lab Control Sample	103	102	101	102
LCS 480-423660/5	Lab Control Sample	98	113	106	107
MB 480-423625/6	Method Blank	101	109	100	106
MB 480-423660/7	Method Blank	99	111	107	106

Surrogate Legend

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

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-423625/6

Matrix: Water

Analysis Batch: 423625

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/09/18 20:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/09/18 20:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/09/18 20:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/09/18 20:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/09/18 20:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/09/18 20:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/09/18 20:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/09/18 20:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/09/18 20:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/09/18 20:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/09/18 20:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/09/18 20:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/09/18 20:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/09/18 20:49	1
2-Hexanone	ND		5.0	1.2	ug/L			07/09/18 20:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/09/18 20:49	1
Acetone	ND		10	3.0	ug/L			07/09/18 20:49	1
Benzene	ND		1.0	0.41	ug/L			07/09/18 20:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/09/18 20:49	1
Bromoform	ND		1.0	0.26	ug/L			07/09/18 20:49	1
Bromomethane	ND		1.0	0.69	ug/L			07/09/18 20:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/09/18 20:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/09/18 20:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/09/18 20:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/09/18 20:49	1
Chloroethane	ND		1.0	0.32	ug/L			07/09/18 20:49	1
Chloroform	ND		1.0	0.34	ug/L			07/09/18 20:49	1
Chloromethane	ND		1.0	0.35	ug/L			07/09/18 20:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/09/18 20:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/09/18 20:49	1
Cyclohexane	ND		1.0	0.18	ug/L			07/09/18 20:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/09/18 20:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/09/18 20:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/09/18 20:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/09/18 20:49	1
Methyl acetate	ND		2.5	1.3	ug/L			07/09/18 20:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/09/18 20:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/09/18 20:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/09/18 20:49	1
Styrene	ND		1.0	0.73	ug/L			07/09/18 20:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/09/18 20:49	1
Toluene	ND		1.0	0.51	ug/L			07/09/18 20:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/09/18 20:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/09/18 20:49	1
Trichloroethene	ND		1.0	0.46	ug/L			07/09/18 20:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/09/18 20:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/09/18 20:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/09/18 20:49	1

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		ug/L					07/09/18 20:49	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	101		80 - 120					07/09/18 20:49	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	109		77 - 120					07/09/18 20:49	1
<i>4-Bromofluorobenzene (Surr)</i>	100		73 - 120					07/09/18 20:49	1
<i>Dibromofluoromethane (Surr)</i>	106		75 - 123					07/09/18 20:49	1

Lab Sample ID: LCS 480-423625/4

Matrix: Water

Analysis Batch: 423625

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1,1-Trichloroethane	25.0	27.7		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	28.2		ug/L		113	76 - 120
1,1,2-Trichloroethane	25.0	26.7		ug/L		107	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	31.9		ug/L		128	61 - 148
1,1-Dichloroethane	25.0	27.1		ug/L		109	77 - 120
1,1-Dichloroethene	25.0	29.5		ug/L		118	66 - 127
1,2,4-Trichlorobenzene	25.0	26.6		ug/L		107	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.3		ug/L		109	56 - 134
1,2-Dichlorobenzene	25.0	26.4		ug/L		106	80 - 124
1,2-Dichloroethane	25.0	25.9		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	25.9		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	26.1		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	26.6		ug/L		106	80 - 120
2-Butanone (MEK)	125	143		ug/L		114	57 - 140
2-Hexanone	125	140		ug/L		112	65 - 127
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		110	71 - 125
Acetone	125	130		ug/L		104	56 - 142
Benzene	25.0	27.0		ug/L		108	71 - 124
Bromodichloromethane	25.0	28.2		ug/L		113	80 - 122
Bromoform	25.0	29.2		ug/L		117	61 - 132
Bromomethane	25.0	26.4		ug/L		105	55 - 144
Carbon disulfide	25.0	27.5		ug/L		110	59 - 134
Carbon tetrachloride	25.0	30.8		ug/L		123	72 - 134
Chlorobenzene	25.0	27.1		ug/L		108	80 - 120
Dibromochloromethane	25.0	29.4		ug/L		117	75 - 125
Chloroethane	25.0	26.3		ug/L		105	69 - 136
Chloroform	25.0	25.7		ug/L		103	73 - 127
Chloromethane	25.0	25.8		ug/L		103	68 - 124
cis-1,2-Dichloroethene	25.0	27.0		ug/L		108	74 - 124
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Cyclohexane	25.0	31.3		ug/L		125	59 - 135
Dichlorodifluoromethane	25.0	28.1		ug/L		113	59 - 135
Ethylbenzene	25.0	28.2		ug/L		113	77 - 123
1,2-Dibromoethane	25.0	27.1		ug/L		108	77 - 120
Isopropylbenzene	25.0	27.8		ug/L		111	77 - 122
Methyl acetate	50.0	47.1		ug/L		94	74 - 133
Methyl tert-butyl ether	25.0	25.6		ug/L		103	77 - 120
Methylcyclohexane	25.0	30.3		ug/L		121	68 - 134
Methylene Chloride	25.0	25.7		ug/L		103	75 - 124

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

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

Lab Sample ID: LCS 480-423625/4

Matrix: Water

Analysis Batch: 423625

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	25.0	27.8		ug/L		111	80 - 120
Tetrachloroethene	25.0	28.6		ug/L		114	74 - 122
Toluene	25.0	27.3		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	26.9		ug/L		108	73 - 127
trans-1,3-Dichloropropene	25.0	27.9		ug/L		111	80 - 120
Trichloroethene	25.0	26.9		ug/L		108	74 - 123
Trichlorofluoromethane	25.0	28.2		ug/L		113	62 - 150
Vinyl chloride	25.0	27.2		ug/L		109	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	103		80 - 120
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Dibromofluoromethane (Surr)	102		75 - 123

Lab Sample ID: 480-138526-1 MS

Matrix: Water

Analysis Batch: 423625

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	7.4		25.0	35.9		ug/L		114	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	27.2		ug/L		109	76 - 120
1,1,2-Trichloroethane	ND		25.0	26.1		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	26.2		ug/L		105	61 - 148
1,1-Dichloroethane	1.5		25.0	28.2		ug/L		107	77 - 120
1,1-Dichloroethene	ND		25.0	29.8		ug/L		119	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	26.0		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	26.5		ug/L		106	56 - 134
1,2-Dichlorobenzene	ND		25.0	25.6		ug/L		102	80 - 124
1,2-Dichloroethane	ND		25.0	25.1		ug/L		100	75 - 120
1,2-Dichloropropane	ND		25.0	25.6		ug/L		102	76 - 120
1,3-Dichlorobenzene	ND		25.0	26.2		ug/L		105	77 - 120
1,4-Dichlorobenzene	ND		25.0	26.8		ug/L		107	78 - 124
2-Butanone (MEK)	ND		125	139		ug/L		111	57 - 140
2-Hexanone	ND		125	130		ug/L		104	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	131		ug/L		104	71 - 125
Acetone	ND		125	140		ug/L		112	56 - 142
Benzene	ND		25.0	26.7		ug/L		107	71 - 124
Bromodichloromethane	ND		25.0	27.5		ug/L		110	80 - 122
Bromoform	ND		25.0	25.2		ug/L		101	61 - 132
Bromomethane	ND		25.0	24.4		ug/L		97	55 - 144
Carbon disulfide	ND		25.0	25.2		ug/L		101	59 - 134
Carbon tetrachloride	ND		25.0	28.4		ug/L		113	72 - 134
Chlorobenzene	ND		25.0	26.4		ug/L		106	80 - 120
Dibromochloromethane	ND		25.0	25.7		ug/L		103	75 - 125
Chloroethane	ND		25.0	25.7		ug/L		103	69 - 136
Chloroform	ND		25.0	26.2		ug/L		105	73 - 127

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

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

Lab Sample ID: 480-138526-1 MS

Matrix: Water

Analysis Batch: 423625

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		25.0	25.1		ug/L		100	68 - 124
cis-1,2-Dichloroethene	53	F2 F1	25.0	86.4	F1	ug/L		132	74 - 124
cis-1,3-Dichloropropene	ND		25.0	24.1		ug/L		96	74 - 124
Cyclohexane	ND		25.0	29.2		ug/L		117	59 - 135
Dichlorodifluoromethane	ND		25.0	28.5		ug/L		114	59 - 135
Ethylbenzene	ND		25.0	26.9		ug/L		108	77 - 123
1,2-Dibromoethane	ND		25.0	25.1		ug/L		100	77 - 120
Isopropylbenzene	ND		25.0	27.8		ug/L		111	77 - 122
Methyl acetate	ND		50.0	44.6		ug/L		89	74 - 133
Methyl tert-butyl ether	ND		25.0	24.7		ug/L		99	77 - 120
Methylcyclohexane	ND		25.0	29.9		ug/L		120	68 - 134
Methylene Chloride	ND		25.0	25.0		ug/L		100	75 - 124
Styrene	ND		25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	ND		25.0	27.4		ug/L		110	74 - 122
Toluene	ND		25.0	26.0		ug/L		104	80 - 122
trans-1,2-Dichloroethene	ND		25.0	28.3		ug/L		113	73 - 127
trans-1,3-Dichloropropene	ND		25.0	25.1		ug/L		100	80 - 120
Trichloroethene	370	E	25.0	437	E 4	ug/L		248	74 - 123
Trichlorofluoromethane	ND		25.0	27.7		ug/L		111	62 - 150
Vinyl chloride	17		25.0	45.8		ug/L		115	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Lab Sample ID: 480-138526-1 MSD

Matrix: Water

Analysis Batch: 423625

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	7.4		25.0	36.2		ug/L		115	73 - 126	1	15
1,1,1,2-Tetrachloroethane	ND		25.0	27.2		ug/L		109	76 - 120	0	15
1,1,2-Trichloroethane	ND		25.0	26.6		ug/L		106	76 - 122	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	24.0		ug/L		96	61 - 148	9	20
1,1-Dichloroethane	1.5		25.0	26.9		ug/L		102	77 - 120	5	20
1,1-Dichloroethene	ND		25.0	28.8		ug/L		115	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		25.0	26.4		ug/L		106	79 - 122	1	20
1,2-Dibromo-3-Chloropropane	ND		25.0	26.2		ug/L		105	56 - 134	1	15
1,2-Dichlorobenzene	ND		25.0	25.9		ug/L		103	80 - 124	1	20
1,2-Dichloroethane	ND		25.0	25.0		ug/L		100	75 - 120	1	20
1,2-Dichloropropane	ND		25.0	25.0		ug/L		100	76 - 120	2	20
1,3-Dichlorobenzene	ND		25.0	26.1		ug/L		105	77 - 120	0	20
1,4-Dichlorobenzene	ND		25.0	26.2		ug/L		105	78 - 124	2	20
2-Butanone (MEK)	ND		125	132		ug/L		105	57 - 140	5	20
2-Hexanone	ND		125	133		ug/L		106	65 - 127	3	15

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

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

Lab Sample ID: 480-138526-1 MSD

Matrix: Water

Analysis Batch: 423625

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		125	133		ug/L		106	71 - 125	2	35
Acetone	ND		125	127		ug/L		102	56 - 142	9	15
Benzene	ND		25.0	26.1		ug/L		105	71 - 124	2	13
Bromodichloromethane	ND		25.0	26.8		ug/L		107	80 - 122	3	15
Bromoform	ND		25.0	26.1		ug/L		104	61 - 132	4	15
Bromomethane	ND		25.0	27.2		ug/L		109	55 - 144	11	15
Carbon disulfide	ND		25.0	24.3		ug/L		97	59 - 134	4	15
Carbon tetrachloride	ND		25.0	27.6		ug/L		110	72 - 134	3	15
Chlorobenzene	ND		25.0	26.5		ug/L		106	80 - 120	1	25
Dibromochloromethane	ND		25.0	27.2		ug/L		109	75 - 125	5	15
Chloroethane	ND		25.0	28.8		ug/L		115	69 - 136	11	15
Chloroform	ND		25.0	25.5		ug/L		102	73 - 127	3	20
Chloromethane	ND		25.0	28.5		ug/L		114	68 - 124	13	15
cis-1,2-Dichloroethene	53	F2 F1	25.0	63.8	F2 F1	ug/L		42	74 - 124	30	15
cis-1,3-Dichloropropene	ND		25.0	23.9		ug/L		96	74 - 124	1	15
Cyclohexane	ND		25.0	27.5		ug/L		110	59 - 135	6	20
Dichlorodifluoromethane	ND		25.0	30.7		ug/L		123	59 - 135	8	20
Ethylbenzene	ND		25.0	27.7		ug/L		111	77 - 123	3	15
1,2-Dibromoethane	ND		25.0	26.2		ug/L		105	77 - 120	4	15
Isopropylbenzene	ND		25.0	27.4		ug/L		109	77 - 122	1	20
Methyl acetate	ND		50.0	45.3		ug/L		91	74 - 133	1	20
Methyl tert-butyl ether	ND		25.0	23.9		ug/L		96	77 - 120	3	37
Methylcyclohexane	ND		25.0	30.0		ug/L		120	68 - 134	0	20
Methylene Chloride	ND		25.0	23.5		ug/L		94	75 - 124	6	15
Styrene	ND		25.0	25.4		ug/L		101	80 - 120	3	20
Tetrachloroethene	ND		25.0	27.7		ug/L		111	74 - 122	1	20
Toluene	ND		25.0	26.8		ug/L		107	80 - 122	3	15
trans-1,2-Dichloroethene	ND		25.0	26.9		ug/L		108	73 - 127	5	20
trans-1,3-Dichloropropene	ND		25.0	24.9		ug/L		99	80 - 120	1	15
Trichloroethene	370	E	25.0	449	E 4	ug/L		297	74 - 123	3	16
Trichlorofluoromethane	ND		25.0	32.9		ug/L		131	62 - 150	17	20
Vinyl chloride	17		25.0	39.8		ug/L		91	65 - 133	14	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	103		80 - 120
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: MB 480-423660/7

Matrix: Water

Analysis Batch: 423660

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 12:11	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 12:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 12:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 12:11	1

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

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

Lab Sample ID: MB 480-423660/7

Matrix: Water

Analysis Batch: 423660

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/10/18 12:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 12:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 12:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 12:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 12:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 12:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 12:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 12:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 12:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 12:11	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 12:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 12:11	1
Acetone	ND		10	3.0	ug/L			07/10/18 12:11	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 12:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 12:11	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 12:11	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 12:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 12:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 12:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 12:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 12:11	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 12:11	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 12:11	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 12:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/10/18 12:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 12:11	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 12:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 12:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 12:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 12:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 12:11	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 12:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 12:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 12:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 12:11	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 12:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 12:11	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 12:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 12:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 12:11	1
Trichloroethene	ND		1.0	0.46	ug/L			07/10/18 12:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 12:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/10/18 12:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 12:11	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 12:11	1

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

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

Lab Sample ID: MB 480-423660/7

Matrix: Water

Analysis Batch: 423660

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		07/10/18 12:11	1
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		07/10/18 12:11	1
4-Bromofluorobenzene (Surr)	107		73 - 120		07/10/18 12:11	1
Dibromofluoromethane (Surr)	106		75 - 123		07/10/18 12:11	1

Lab Sample ID: LCS 480-423660/5

Matrix: Water

Analysis Batch: 423660

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.5		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	24.0		ug/L		96	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.2		ug/L		85	61 - 148
1,1-Dichloroethane	25.0	24.3		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	20.6		ug/L		82	66 - 127
1,2,4-Trichlorobenzene	25.0	24.3		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	29.6		ug/L		119	56 - 134
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	26.5		ug/L		106	75 - 120
1,2-Dichloropropane	25.0	25.8		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	25.0		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Butanone (MEK)	125	142		ug/L		114	57 - 140
2-Hexanone	125	145		ug/L		116	65 - 127
4-Methyl-2-pentanone (MIBK)	125	143		ug/L		114	71 - 125
Acetone	125	165		ug/L		132	56 - 142
Benzene	25.0	23.3		ug/L		93	71 - 124
Bromodichloromethane	25.0	26.0		ug/L		104	80 - 122
Bromoform	25.0	28.3		ug/L		113	61 - 132
Bromomethane	25.0	23.5		ug/L		94	55 - 144
Carbon disulfide	25.0	19.3		ug/L		77	59 - 134
Carbon tetrachloride	25.0	25.0		ug/L		100	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120
Dibromochloromethane	25.0	28.4		ug/L		114	75 - 125
Chloroethane	25.0	24.1		ug/L		96	69 - 136
Chloroform	25.0	23.3		ug/L		93	73 - 127
Chloromethane	25.0	24.4		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	22.1		ug/L		88	74 - 124
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	74 - 124
Cyclohexane	25.0	23.8		ug/L		95	59 - 135
Dichlorodifluoromethane	25.0	26.9		ug/L		108	59 - 135
Ethylbenzene	25.0	23.4		ug/L		93	77 - 123
1,2-Dibromoethane	25.0	26.2		ug/L		105	77 - 120
Isopropylbenzene	25.0	23.2		ug/L		93	77 - 122
Methyl acetate	50.0	48.8		ug/L		98	74 - 133
Methyl tert-butyl ether	25.0	25.2		ug/L		101	77 - 120

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

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

Lab Sample ID: LCS 480-423660/5

Matrix: Water

Analysis Batch: 423660

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	25.0	21.4		ug/L		86	68 - 134
Methylene Chloride	25.0	21.5		ug/L		86	75 - 124
Styrene	25.0	25.5		ug/L		102	80 - 120
Tetrachloroethene	25.0	22.5		ug/L		90	74 - 122
Toluene	25.0	22.6		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	23.4		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	26.3		ug/L		105	80 - 120
Trichloroethene	25.0	22.9		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	26.4		ug/L		105	62 - 150
Vinyl chloride	25.0	22.2		ug/L		89	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	113		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	107		75 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Lab Sample ID: 480-138526-1 MS

Matrix: Water

Analysis Batch: 423660

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane - DL	ND	F1	250	325	F1	ug/L		130	73 - 126
1,1,2,2-Tetrachloroethane - DL	ND		250	246		ug/L		98	76 - 120
1,1,2-Trichloroethane - DL	ND		250	246		ug/L		98	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	ND		250	295		ug/L		118	61 - 148
1,1-Dichloroethane - DL	ND		250	278		ug/L		111	77 - 120
1,1-Dichloroethene - DL	ND	F2	250	287		ug/L		115	66 - 127
1,2,4-Trichlorobenzene - DL	ND		250	249		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane - DL	ND		250	275		ug/L		110	56 - 134
1,2-Dichlorobenzene - DL	ND		250	265		ug/L		106	80 - 124
1,2-Dichloroethane - DL	ND		250	272		ug/L		109	75 - 120
1,2-Dichloropropane - DL	ND		250	277		ug/L		111	76 - 120
1,3-Dichlorobenzene - DL	ND		250	268		ug/L		107	77 - 120
1,4-Dichlorobenzene - DL	ND		250	256		ug/L		102	78 - 124
2-Butanone (MEK) - DL	ND		1250	1300		ug/L		104	57 - 140
2-Hexanone - DL	ND		1250	1340		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK) - DL	ND		1250	1370		ug/L		110	71 - 125
Acetone - DL	ND		1250	1230		ug/L		99	56 - 142
Benzene - DL	ND	F2	250	272		ug/L		109	71 - 124
Bromodichloromethane - DL	ND		250	284		ug/L		113	80 - 122
Bromoform - DL	ND		250	296		ug/L		118	61 - 132
Bromomethane - DL	ND		250	263		ug/L		105	55 - 144

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 480-138526-1 MS

Matrix: Water

Analysis Batch: 423660

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide - DL	ND		250	262		ug/L		105	59 - 134
Carbon tetrachloride - DL	ND		250	324		ug/L		130	72 - 134
Chlorobenzene - DL	ND		250	272		ug/L		109	80 - 120
Dibromochloromethane - DL	ND		250	291		ug/L		116	75 - 125
Chloroethane - DL	ND	F2	250	303		ug/L		121	69 - 136
Chloroform - DL	ND		250	267		ug/L		107	73 - 127
Chloromethane - DL	ND	F2	250	297		ug/L		119	68 - 124
cis-1,2-Dichloroethene - DL	53		250	303		ug/L		100	74 - 124
cis-1,3-Dichloropropene - DL	ND		250	259		ug/L		104	74 - 124
Cyclohexane - DL	ND		250	329		ug/L		132	59 - 135
Dichlorodifluoromethane - DL	ND	F1	250	384	F1	ug/L		154	59 - 135
Ethylbenzene - DL	ND		250	274		ug/L		110	77 - 123
1,2-Dibromoethane - DL	ND		250	263		ug/L		105	77 - 120
Isopropylbenzene - DL	ND		250	274		ug/L		109	77 - 122
Methyl acetate - DL	ND		500	469		ug/L		94	74 - 133
Methyl tert-butyl ether - DL	ND		250	251		ug/L		101	77 - 120
Methylcyclohexane - DL	ND		250	289		ug/L		116	68 - 134
Methylene Chloride - DL	ND		250	236		ug/L		94	75 - 124
Styrene - DL	ND		250	281		ug/L		113	80 - 120
Tetrachloroethene - DL	ND		250	288		ug/L		115	74 - 122
Toluene - DL	ND		250	267		ug/L		107	80 - 122
trans-1,2-Dichloroethene - DL	ND		250	287		ug/L		115	73 - 127
trans-1,3-Dichloropropene - DL	ND		250	257		ug/L		103	80 - 120
Trichloroethene - DL	440	F1	250	771	F1	ug/L		133	74 - 123
Trichlorofluoromethane - DL	ND	F2	250	359		ug/L		144	62 - 150
Vinyl chloride - DL	17	F2	250	336		ug/L		128	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr) - DL	99		80 - 120
1,2-Dichloroethane-d4 (Surr) - DL	114		77 - 120
4-Bromofluorobenzene (Surr) - DL	107		73 - 120
Dibromofluoromethane (Surr) - DL	108		75 - 123

Lab Sample ID: 480-138526-1 MSD

Matrix: Water

Analysis Batch: 423660

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane - DL	ND	F1	250	296		ug/L		118	73 - 126	9	15
1,1,2,2-Tetrachloroethane - DL	ND		250	232		ug/L		93	76 - 120	6	15
1,1,2-Trichloroethane - DL	ND		250	228		ug/L		91	76 - 122	7	15
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	ND		250	253		ug/L		101	61 - 148	15	20
1,1-Dichloroethane - DL	ND		250	254		ug/L		101	77 - 120	9	20
1,1-Dichloroethene - DL	ND	F2	250	238	F2	ug/L		95	66 - 127	19	16
1,2,4-Trichlorobenzene - DL	ND		250	236		ug/L		94	79 - 122	6	20

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 480-138526-1 MSD

Matrix: Water

Analysis Batch: 423660

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane - DL	ND		250	281		ug/L		112	56 - 134	2	15
1,2-Dichlorobenzene - DL	ND		250	244		ug/L		98	80 - 124	8	20
1,2-Dichloroethane - DL	ND		250	248		ug/L		99	75 - 120	9	20
1,2-Dichloropropane - DL	ND		250	251		ug/L		100	76 - 120	10	20
1,3-Dichlorobenzene - DL	ND		250	245		ug/L		98	77 - 120	9	20
1,4-Dichlorobenzene - DL	ND		250	240		ug/L		96	78 - 124	7	20
2-Butanone (MEK) - DL	ND		1250	1240		ug/L		99	57 - 140	5	20
2-Hexanone - DL	ND		1250	1270		ug/L		102	65 - 127	5	15
4-Methyl-2-pentanone (MIBK) - DL	ND		1250	1320		ug/L		106	71 - 125	4	35
Acetone - DL	ND		1250	1160		ug/L		93	56 - 142	6	15
Benzene - DL	ND	F2	250	238	F2	ug/L		95	71 - 124	14	13
Bromodichloromethane - DL	ND		250	256		ug/L		102	80 - 122	10	15
Bromoform - DL	ND		250	270		ug/L		108	61 - 132	9	15
Bromomethane - DL	ND		250	227		ug/L		91	55 - 144	15	15
Carbon disulfide - DL	ND		250	231		ug/L		92	59 - 134	12	15
Carbon tetrachloride - DL	ND		250	292		ug/L		117	72 - 134	10	15
Chlorobenzene - DL	ND		250	245		ug/L		98	80 - 120	11	25
Dibromochloromethane - DL	ND		250	287		ug/L		115	75 - 125	1	15
Chloroethane - DL	ND	F2	250	247	F2	ug/L		99	69 - 136	20	15
Chloroform - DL	ND		250	243		ug/L		97	73 - 127	9	20
Chloromethane - DL	ND	F2	250	239	F2	ug/L		96	68 - 124	22	15
cis-1,2-Dichloroethene - DL	53		250	276		ug/L		89	74 - 124	9	15
cis-1,3-Dichloropropene - DL	ND		250	237		ug/L		95	74 - 124	9	15
Cyclohexane - DL	ND		250	286		ug/L		114	59 - 135	14	20
Dichlorodifluoromethane - DL	ND	F1	250	315		ug/L		126	59 - 135	20	20
Ethylbenzene - DL	ND		250	248		ug/L		99	77 - 123	10	15
1,2-Dibromoethane - DL	ND		250	245		ug/L		98	77 - 120	7	15
Isopropylbenzene - DL	ND		250	251		ug/L		100	77 - 122	9	20
Methyl acetate - DL	ND		500	428		ug/L		86	74 - 133	9	20
Methyl tert-butyl ether - DL	ND		250	230		ug/L		92	77 - 120	9	37
Methylcyclohexane - DL	ND		250	263		ug/L		105	68 - 134	9	20
Methylene Chloride - DL	ND		250	220		ug/L		88	75 - 124	7	15
Styrene - DL	ND		250	253		ug/L		101	80 - 120	10	20
Tetrachloroethene - DL	ND		250	259		ug/L		104	74 - 122	11	20
Toluene - DL	ND		250	239		ug/L		96	80 - 122	11	15
trans-1,2-Dichloroethene - DL	ND		250	249		ug/L		100	73 - 127	14	20
trans-1,3-Dichloropropene - DL	ND		250	242		ug/L		97	80 - 120	6	15
Trichloroethene - DL	440	F1	250	748	F1	ug/L		124	74 - 123	3	16
Trichlorofluoromethane - DL	ND	F2	250	289	F2	ug/L		116	62 - 150	22	20
Vinyl chloride - DL	17	F2	250	264	F2	ug/L		99	65 - 133	24	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr) - DL	99		80 - 120
1,2-Dichloroethane-d4 (Surr) - DL	110		77 - 120
4-Bromofluorobenzene (Surr) - DL	106		73 - 120

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 480-138526-1 MSD

Matrix: Water

Analysis Batch: 423660

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr) - DL	107		75 - 123

QC Association Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

GC/MS VOA

Analysis Batch: 423625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-138526-1	OW-01 070618	Total/NA	Water	8260C	
480-138526-2	OW-02 070618	Total/NA	Water	8260C	
480-138526-3	OW-03 070618	Total/NA	Water	8260C	
480-138526-4	OW-04/08 070618	Total/NA	Water	8260C	
480-138526-5	OW-05 070618	Total/NA	Water	8260C	
480-138526-6	OW-07 070618	Total/NA	Water	8260C	
480-138526-8	OW-09 070618	Total/NA	Water	8260C	
480-138526-9	BLIND DUP	Total/NA	Water	8260C	
MB 480-423625/6	Method Blank	Total/NA	Water	8260C	
LCS 480-423625/4	Lab Control Sample	Total/NA	Water	8260C	
480-138526-1 MS	OW-01 070618	Total/NA	Water	8260C	
480-138526-1 MSD	OW-01 070618	Total/NA	Water	8260C	

Analysis Batch: 423660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-138526-1 - DL	OW-01 070618	Total/NA	Water	8260C	
480-138526-7	OW-04 070618	Total/NA	Water	8260C	
MB 480-423660/7	Method Blank	Total/NA	Water	8260C	
LCS 480-423660/5	Lab Control Sample	Total/NA	Water	8260C	
480-138526-1 MS - DL	OW-01 070618	Total/NA	Water	8260C	
480-138526-1 MSD - DL	OW-01 070618	Total/NA	Water	8260C	

Lab Chronicle

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-01 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 00:15	NMC	TAL BUF
Total/NA	Analysis	8260C	DL	10	423660	07/10/18 17:03	AEM	TAL BUF

Client Sample ID: OW-02 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 00:38	NMC	TAL BUF

Client Sample ID: OW-03 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 01:01	NMC	TAL BUF

Client Sample ID: OW-04/08 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 01:24	NMC	TAL BUF

Client Sample ID: OW-05 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 01:48	NMC	TAL BUF

Client Sample ID: OW-07 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 02:11	NMC	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-04 070618

Lab Sample ID: 480-138526-7

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423660	07/10/18 19:49	AEM	TAL BUF

Client Sample ID: OW-09 070618

Lab Sample ID: 480-138526-8

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 02:34	NMC	TAL BUF

Client Sample ID: BLIND DUP

Lab Sample ID: 480-138526-9

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 02:58	NMC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Buffalo

Method Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-138526-1	OW-01 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-2	OW-02 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-3	OW-03 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-4	OW-04/08 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-5	OW-05 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-6	OW-07 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-7	OW-04 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-8	OW-09 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-9	BLIND DUP	Water	07/06/18 00:00	07/07/18 09:00



Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact		Project Manager: <u>Pat Colern</u>		Site Contact:		Date:	
Company Name: <u>Lu Engineers</u>		Tel/Fax: <u>716-961-1512</u>		Lab Contact:		Carrier:	
Address: <u>339 East Ave</u>		Analysis Turnaround Time		COC No: <u>480-138526</u>		Sampler: <u>PLIBS</u>	
City/State/Zip: <u>Rochester NY 14604</u>		☐ CALENDAR DAYS ☐ WORKING DAYS		For Lab Use Only:		Walk-in Client:	
Phone: <u>585-546-1634</u>		TAT if different from Below		Lab Sampling:		Job / SDG No.:	
Fax: <u></u>		☐ 2 weeks ☐ 1 week ☐ 2 days ☒ 1 day		Filtered Sample (Y/N)		Sample Specific Notes:	
Project Name: <u>Former Griffin Site</u>		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)	
PO #		Sample Date		Sample Time		Matrix	
Sample Identification		Sample Date		Sample Time		Matrix	
<u>OW-01 070618 (MS/MSD)</u>		<u>7-6-18</u>		<u>6</u>		<u>UA</u>	
<u>OW-02 070618</u>		<u></u>		<u></u>		<u></u>	
<u>OW-03 070618</u>		<u></u>		<u></u>		<u></u>	
<u>OW-04 070618</u>		<u></u>		<u></u>		<u></u>	
<u>OW-05 070618</u>		<u></u>		<u></u>		<u></u>	
<u>OW-07 070618</u>		<u></u>		<u></u>		<u></u>	
<u>OW-08 070618</u>		<u></u>		<u></u>		<u></u>	
<u>OW-09 070618</u>		<u></u>		<u></u>		<u></u>	
<u>Blind Dup</u>		<u></u>		<u></u>		<u></u>	
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return to Client		Archive for	
Possible Hazard Identification:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Disposal by Lab		Months	
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Disposal by Lab		Months	
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Disposal by Lab		Months	

Special Instructions/QC Requirements & Comments:		Cooler Temp. (°C): Obs'd:		Corr'd:		Therm ID No.:	
<u>Send results to pcolern@luengineers.com</u>		Received by:		Company:		Date/Time:	
Custody Seal No.:		Received by:		Company:		Date/Time:	
Relinquished by:		Received by:		Company:		Date/Time:	
Relinquished by:		Received by:		Company:		Date/Time:	

Login Sample Receipt Checklist

Client: Joseph C. Lu Eng & Land Surveying PC

Job Number: 480-138526-1

Login Number: 138526

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No dates provided - bottles or COC.
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.	False	All vials have headspace
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	Lu Engr.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 480-138526-1

Job Description: Griffin #50322

For:
Joseph C. Lu Eng & Land Surveying PC
339 East Avenue
Suite 200
Rochester, NY 14604
Attention: Mr. Greg Andrus



Approved for release.
Orlette S. Johnson
Senior Project Manager
7/11/2018 3:42 PM

Orlette S Johnson, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0864
orlette.johnson@testamericainc.com
07/11/2018

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TestAmerica Laboratories, Inc.

TestAmerica Buffalo 10 Hazelwood Drive, Amherst, NY 14228-2298
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Job Narrative
480-138526-1

Receipt

The samples were received on 7/7/2018 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

Receipt Exceptions

Sample 480-138526-7 is listed on the COC as OW-08 070618 however the container ID is OW-04 070618. Per client the sample is logged according to the container ID.

All received vials have headspace.

No sample times were noted on bottles or Chain of Custody.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-423660 recovered above the upper control limit for Cyclohexane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: OW-01 070618 (480-138526-1) and OW-04 070618 (480-138526-7).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-01 070618 (480-138526-1), OW-01 070618 (480-138526-1[MS]) and OW-01 070618 (480-138526-1[MSD]). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 480-423625 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 480-423660 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The following samples are impacted: OW-01 070618 (480-138526-1[MS]) and OW-01 070618 (480-138526-1[MSD]).

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

Sample Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-138526-1	OW-01 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-2	OW-02 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-3	OW-03 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-4	OW-04/08 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-5	OW-05 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-6	OW-07 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-7	OW-04 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-8	OW-09 070618	Water	07/06/18 00:00	07/07/18 09:00
480-138526-9	BLIND DUP	Water	07/06/18 00:00	07/07/18 09:00

Detection Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-01 070618

Lab Sample ID: 480-138526-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	7.4		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.5		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	53	F2 F1	1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	370	E	1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	17		1.0	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	53		10	8.1	ug/L	10		8260C	Total/NA
Trichloroethene - DL	440	F1	10	4.6	ug/L	10		8260C	Total/NA
Vinyl chloride - DL	17	F2	10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: OW-02 070618

Lab Sample ID: 480-138526-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.5	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.2		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	3.3		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OW-03 070618

Lab Sample ID: 480-138526-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.4		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.2		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	3.3	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	37		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	19		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	25		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OW-04/08 070618

Lab Sample ID: 480-138526-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.91	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	11		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	25		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	20		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OW-05 070618

Lab Sample ID: 480-138526-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.4		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	3.7	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	19		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	26		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	8.4		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OW-07 070618

Lab Sample ID: 480-138526-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.71	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	4.0	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	14		1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-07 070618 (Continued)

Lab Sample ID: 480-138526-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	8.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OW-04 070618

Lab Sample ID: 480-138526-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.83	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	4.5	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	25		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	4.4		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OW-09 070618

Lab Sample ID: 480-138526-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.0		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	24		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	3.7		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: BLIND DUP

Lab Sample ID: 480-138526-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.5		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.3		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	36		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	19		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	25		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Method Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-01 070618

Lab Sample ID: 480-138526-1

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	7.4		1.0	0.82	ug/L			07/10/18 00:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 00:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 00:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 00:15	1
1,1-Dichloroethane	1.5		1.0	0.38	ug/L			07/10/18 00:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 00:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 00:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 00:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 00:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 00:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 00:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 00:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 00:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 00:15	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 00:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 00:15	1
Acetone	ND		10	3.0	ug/L			07/10/18 00:15	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 00:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 00:15	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 00:15	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 00:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 00:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 00:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 00:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 00:15	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 00:15	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 00:15	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 00:15	1
cis-1,2-Dichloroethene	53	F2 F1	1.0	0.81	ug/L			07/10/18 00:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 00:15	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 00:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 00:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 00:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 00:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 00:15	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 00:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 00:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 00:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 00:15	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 00:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 00:15	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 00:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 00:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 00:15	1
Trichloroethene	370	E	1.0	0.46	ug/L			07/10/18 00:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 00:15	1
Vinyl chloride	17		1.0	0.90	ug/L			07/10/18 00:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 00:15	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-01 070618

Lab Sample ID: 480-138526-1

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					<i>07/10/18 00:15</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	<i>100</i>		<i>80 - 120</i>					<i>07/10/18 00:15</i>	<i>1</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>102</i>		<i>77 - 120</i>					<i>07/10/18 00:15</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>99</i>		<i>73 - 120</i>					<i>07/10/18 00:15</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>103</i>		<i>75 - 123</i>					<i>07/10/18 00:15</i>	<i>1</i>

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	10	8.2	ug/L			07/10/18 17:03	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			07/10/18 17:03	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			07/10/18 17:03	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			07/10/18 17:03	10
1,1-Dichloroethane	ND		10	3.8	ug/L			07/10/18 17:03	10
1,1-Dichloroethene	ND	F2	10	2.9	ug/L			07/10/18 17:03	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			07/10/18 17:03	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			07/10/18 17:03	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			07/10/18 17:03	10
1,2-Dichloroethane	ND		10	2.1	ug/L			07/10/18 17:03	10
1,2-Dichloropropane	ND		10	7.2	ug/L			07/10/18 17:03	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			07/10/18 17:03	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			07/10/18 17:03	10
2-Butanone (MEK)	ND		100	13	ug/L			07/10/18 17:03	10
2-Hexanone	ND		50	12	ug/L			07/10/18 17:03	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			07/10/18 17:03	10
Acetone	ND		100	30	ug/L			07/10/18 17:03	10
Benzene	ND	F2	10	4.1	ug/L			07/10/18 17:03	10
Bromodichloromethane	ND		10	3.9	ug/L			07/10/18 17:03	10
Bromoform	ND		10	2.6	ug/L			07/10/18 17:03	10
Bromomethane	ND		10	6.9	ug/L			07/10/18 17:03	10
Carbon disulfide	ND		10	1.9	ug/L			07/10/18 17:03	10
Carbon tetrachloride	ND		10	2.7	ug/L			07/10/18 17:03	10
Chlorobenzene	ND		10	7.5	ug/L			07/10/18 17:03	10
Dibromochloromethane	ND		10	3.2	ug/L			07/10/18 17:03	10
Chloroethane	ND	F2	10	3.2	ug/L			07/10/18 17:03	10
Chloroform	ND		10	3.4	ug/L			07/10/18 17:03	10
Chloromethane	ND	F2	10	3.5	ug/L			07/10/18 17:03	10
cis-1,2-Dichloroethene	53		10	8.1	ug/L			07/10/18 17:03	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			07/10/18 17:03	10
Cyclohexane	ND		10	1.8	ug/L			07/10/18 17:03	10
Dichlorodifluoromethane	ND	F1	10	6.8	ug/L			07/10/18 17:03	10
Ethylbenzene	ND		10	7.4	ug/L			07/10/18 17:03	10
1,2-Dibromoethane	ND		10	7.3	ug/L			07/10/18 17:03	10
Isopropylbenzene	ND		10	7.9	ug/L			07/10/18 17:03	10
Methyl acetate	ND		25	13	ug/L			07/10/18 17:03	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			07/10/18 17:03	10
Methylcyclohexane	ND		10	1.6	ug/L			07/10/18 17:03	10
Methylene Chloride	ND		10	4.4	ug/L			07/10/18 17:03	10
Styrene	ND		10	7.3	ug/L			07/10/18 17:03	10

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-01 070618

Lab Sample ID: 480-138526-1

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		10	3.6	ug/L			07/10/18 17:03	10
Toluene	ND		10	5.1	ug/L			07/10/18 17:03	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			07/10/18 17:03	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			07/10/18 17:03	10
Trichloroethene	440	F1	10	4.6	ug/L			07/10/18 17:03	10
Trichlorofluoromethane	ND	F2	10	8.8	ug/L			07/10/18 17:03	10
Vinyl chloride	17	F2	10	9.0	ug/L			07/10/18 17:03	10
Xylenes, Total	ND		20	6.6	ug/L			07/10/18 17:03	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 17:03	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		07/10/18 17:03	10
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		07/10/18 17:03	10
4-Bromofluorobenzene (Surr)	104		73 - 120		07/10/18 17:03	10
Dibromofluoromethane (Surr)	104		75 - 123		07/10/18 17:03	10

Client Sample ID: OW-02 070618

Lab Sample ID: 480-138526-2

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 00:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 00:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 00:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 00:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/10/18 00:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 00:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 00:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 00:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 00:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 00:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 00:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 00:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 00:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 00:38	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 00:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 00:38	1
Acetone	3.5	J	10	3.0	ug/L			07/10/18 00:38	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 00:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 00:38	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 00:38	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 00:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 00:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 00:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 00:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 00:38	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 00:38	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-02 070618

Lab Sample ID: 480-138526-2

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			07/10/18 00:38	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 00:38	1
cis-1,2-Dichloroethene	3.2		1.0	0.81	ug/L			07/10/18 00:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 00:38	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 00:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 00:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 00:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 00:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 00:38	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 00:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 00:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 00:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 00:38	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 00:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 00:38	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 00:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 00:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 00:38	1
Trichloroethene	3.3		1.0	0.46	ug/L			07/10/18 00:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 00:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/10/18 00:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 00:38	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		07/10/18 00:38	1
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		07/10/18 00:38	1
4-Bromofluorobenzene (Surr)	100		73 - 120		07/10/18 00:38	1
Dibromofluoromethane (Surr)	106		75 - 123		07/10/18 00:38	1

Client Sample ID: OW-03 070618

Lab Sample ID: 480-138526-3

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.4		1.0	0.82	ug/L			07/10/18 01:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 01:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 01:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 01:01	1
1,1-Dichloroethane	2.2		1.0	0.38	ug/L			07/10/18 01:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 01:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 01:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 01:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 01:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 01:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 01:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 01:01	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-03 070618

Lab Sample ID: 480-138526-3

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 01:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 01:01	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 01:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 01:01	1
Acetone	3.3	J	10	3.0	ug/L			07/10/18 01:01	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 01:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 01:01	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 01:01	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 01:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 01:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 01:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 01:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 01:01	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 01:01	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 01:01	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 01:01	1
cis-1,2-Dichloroethene	37		1.0	0.81	ug/L			07/10/18 01:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 01:01	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 01:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 01:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 01:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 01:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 01:01	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 01:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 01:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 01:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 01:01	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 01:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 01:01	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 01:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 01:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 01:01	1
Trichloroethene	19		1.0	0.46	ug/L			07/10/18 01:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 01:01	1
Vinyl chloride	25		1.0	0.90	ug/L			07/10/18 01:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 01:01	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 01:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					07/10/18 01:01	1
1,2-Dichloroethane-d4 (Surr)	109		77 - 120					07/10/18 01:01	1
4-Bromofluorobenzene (Surr)	99		73 - 120					07/10/18 01:01	1
Dibromofluoromethane (Surr)	108		75 - 123					07/10/18 01:01	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-04/08 070618

Lab Sample ID: 480-138526-4

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 01:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 01:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 01:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 01:24	1
1,1-Dichloroethane	0.91	J	1.0	0.38	ug/L			07/10/18 01:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 01:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 01:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 01:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 01:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 01:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 01:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 01:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 01:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 01:24	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 01:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 01:24	1
Acetone	ND		10	3.0	ug/L			07/10/18 01:24	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 01:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 01:24	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 01:24	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 01:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 01:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 01:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 01:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 01:24	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 01:24	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 01:24	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 01:24	1
cis-1,2-Dichloroethene	11		1.0	0.81	ug/L			07/10/18 01:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 01:24	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 01:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 01:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 01:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 01:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 01:24	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 01:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 01:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 01:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 01:24	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 01:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 01:24	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 01:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 01:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 01:24	1
Trichloroethene	25		1.0	0.46	ug/L			07/10/18 01:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 01:24	1
Vinyl chloride	20		1.0	0.90	ug/L			07/10/18 01:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 01:24	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-04/08 070618

Lab Sample ID: 480-138526-4

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					<i>07/10/18 01:24</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	<i>102</i>		<i>80 - 120</i>					<i>07/10/18 01:24</i>	<i>1</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>109</i>		<i>77 - 120</i>					<i>07/10/18 01:24</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>97</i>		<i>73 - 120</i>					<i>07/10/18 01:24</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>107</i>		<i>75 - 123</i>					<i>07/10/18 01:24</i>	<i>1</i>

Client Sample ID: OW-05 070618

Lab Sample ID: 480-138526-5

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 01:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 01:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 01:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 01:48	1
1,1-Dichloroethane	1.4		1.0	0.38	ug/L			07/10/18 01:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 01:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 01:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 01:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 01:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 01:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 01:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 01:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 01:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 01:48	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 01:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 01:48	1
Acetone	3.7 J		10	3.0	ug/L			07/10/18 01:48	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 01:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 01:48	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 01:48	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 01:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 01:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 01:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 01:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 01:48	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 01:48	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 01:48	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 01:48	1
cis-1,2-Dichloroethene	19		1.0	0.81	ug/L			07/10/18 01:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 01:48	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 01:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 01:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 01:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 01:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 01:48	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 01:48	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-05 070618

Lab Sample ID: 480-138526-5

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 01:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 01:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 01:48	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 01:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 01:48	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 01:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 01:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 01:48	1
Trichloroethene	26		1.0	0.46	ug/L			07/10/18 01:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 01:48	1
Vinyl chloride	8.4		1.0	0.90	ug/L			07/10/18 01:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 01:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		07/10/18 01:48	1
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		07/10/18 01:48	1
4-Bromofluorobenzene (Surr)	99		73 - 120		07/10/18 01:48	1
Dibromofluoromethane (Surr)	105		75 - 123		07/10/18 01:48	1

Client Sample ID: OW-07 070618

Lab Sample ID: 480-138526-6

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 02:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 02:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 02:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 02:11	1
1,1-Dichloroethane	0.71	J	1.0	0.38	ug/L			07/10/18 02:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 02:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 02:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 02:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 02:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 02:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 02:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 02:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 02:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 02:11	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 02:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 02:11	1
Acetone	4.0	J	10	3.0	ug/L			07/10/18 02:11	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 02:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 02:11	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 02:11	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 02:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 02:11	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-07 070618

Lab Sample ID: 480-138526-6

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 02:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 02:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 02:11	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 02:11	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 02:11	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 02:11	1
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L			07/10/18 02:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 02:11	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 02:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 02:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 02:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 02:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 02:11	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 02:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 02:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 02:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 02:11	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 02:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 02:11	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 02:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 02:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 02:11	1
Trichloroethene	14		1.0	0.46	ug/L			07/10/18 02:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 02:11	1
Vinyl chloride	8.6		1.0	0.90	ug/L			07/10/18 02:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 02:11	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 02:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		07/10/18 02:11	1
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		07/10/18 02:11	1
4-Bromofluorobenzene (Surr)	100		73 - 120		07/10/18 02:11	1
Dibromofluoromethane (Surr)	105		75 - 123		07/10/18 02:11	1

Client Sample ID: OW-04 070618

Lab Sample ID: 480-138526-7

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 19:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 19:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 19:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 19:49	1
1,1-Dichloroethane	0.83	J	1.0	0.38	ug/L			07/10/18 19:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 19:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 19:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 19:49	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-04 070618

Lab Sample ID: 480-138526-7

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 19:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 19:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 19:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 19:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 19:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 19:49	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 19:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 19:49	1
Acetone	4.5	J	10	3.0	ug/L			07/10/18 19:49	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 19:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 19:49	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 19:49	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 19:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 19:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 19:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 19:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 19:49	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 19:49	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 19:49	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 19:49	1
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L			07/10/18 19:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 19:49	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 19:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 19:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 19:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 19:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 19:49	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 19:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 19:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 19:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 19:49	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 19:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 19:49	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 19:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 19:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 19:49	1
Trichloroethene	25		1.0	0.46	ug/L			07/10/18 19:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 19:49	1
Vinyl chloride	4.4		1.0	0.90	ug/L			07/10/18 19:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 19:49	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 19:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120					07/10/18 19:49	1
1,2-Dichloroethane-d4 (Surr)	109		77 - 120					07/10/18 19:49	1
4-Bromofluorobenzene (Surr)	104		73 - 120					07/10/18 19:49	1
Dibromofluoromethane (Surr)	105		75 - 123					07/10/18 19:49	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-09 070618

Lab Sample ID: 480-138526-8

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 02:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 02:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 02:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 02:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/10/18 02:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 02:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 02:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 02:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 02:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 02:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 02:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 02:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 02:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 02:34	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 02:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 02:34	1
Acetone	ND		10	3.0	ug/L			07/10/18 02:34	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 02:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 02:34	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 02:34	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 02:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 02:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 02:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 02:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 02:34	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 02:34	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 02:34	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 02:34	1
cis-1,2-Dichloroethene	3.0		1.0	0.81	ug/L			07/10/18 02:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 02:34	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 02:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 02:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 02:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 02:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 02:34	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 02:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 02:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 02:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 02:34	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 02:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 02:34	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 02:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 02:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 02:34	1
Trichloroethene	24		1.0	0.46	ug/L			07/10/18 02:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 02:34	1
Vinyl chloride	3.7		1.0	0.90	ug/L			07/10/18 02:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 02:34	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-09 070618

Lab Sample ID: 480-138526-8

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					<i>07/10/18 02:34</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	<i>102</i>		<i>80 - 120</i>					<i>07/10/18 02:34</i>	<i>1</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>109</i>		<i>77 - 120</i>					<i>07/10/18 02:34</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>97</i>		<i>73 - 120</i>					<i>07/10/18 02:34</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>106</i>		<i>75 - 123</i>					<i>07/10/18 02:34</i>	<i>1</i>

Client Sample ID: BLIND DUP

Lab Sample ID: 480-138526-9

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.5		1.0	0.82	ug/L			07/10/18 02:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 02:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 02:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 02:58	1
1,1-Dichloroethane	2.3		1.0	0.38	ug/L			07/10/18 02:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 02:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 02:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 02:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 02:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 02:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 02:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 02:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 02:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 02:58	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 02:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 02:58	1
Acetone	ND		10	3.0	ug/L			07/10/18 02:58	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 02:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 02:58	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 02:58	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 02:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 02:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 02:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 02:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 02:58	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 02:58	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 02:58	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 02:58	1
cis-1,2-Dichloroethene	36		1.0	0.81	ug/L			07/10/18 02:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 02:58	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 02:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 02:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 02:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 02:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 02:58	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 02:58	1

TestAmerica Buffalo

Client Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: BLIND DUP

Lab Sample ID: 480-138526-9

Date Collected: 07/06/18 00:00

Matrix: Water

Date Received: 07/07/18 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 02:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 02:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 02:58	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 02:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 02:58	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 02:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 02:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 02:58	1
Trichloroethene	19		1.0	0.46	ug/L			07/10/18 02:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 02:58	1
Vinyl chloride	25		1.0	0.90	ug/L			07/10/18 02:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 02:58	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 02:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		07/10/18 02:58	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		07/10/18 02:58	1
4-Bromofluorobenzene (Surr)	96		73 - 120		07/10/18 02:58	1
Dibromofluoromethane (Surr)	105		75 - 123		07/10/18 02:58	1

Surrogate Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
480-138526-1	OW-01 070618	100	102	99	103
480-138526-1 - DL	OW-01 070618	96	111	104	104
480-138526-1 MS	OW-01 070618	100	103	100	101
480-138526-1 MS - DL	OW-01 070618	99	114	107	108
480-138526-1 MSD	OW-01 070618	103	103	102	103
480-138526-1 MSD - DL	OW-01 070618	99	110	106	107
480-138526-2	OW-02 070618	102	106	100	106
480-138526-3	OW-03 070618	101	109	99	108
480-138526-4	OW-04/08 070618	102	109	97	107
480-138526-5	OW-05 070618	103	111	99	105
480-138526-6	OW-07 070618	103	106	100	105
480-138526-7	OW-04 070618	96	109	104	105
480-138526-8	OW-09 070618	102	109	97	106
480-138526-9	BLIND DUP	99	104	96	105
LCS 480-423625/4	Lab Control Sample	103	102	101	102
LCS 480-423660/5	Lab Control Sample	98	113	106	107
MB 480-423625/6	Method Blank	101	109	100	106
MB 480-423660/7	Method Blank	99	111	107	106

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-423625/6

Matrix: Water

Analysis Batch: 423625

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/09/18 20:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/09/18 20:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/09/18 20:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/09/18 20:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/09/18 20:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/09/18 20:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/09/18 20:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/09/18 20:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/09/18 20:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/09/18 20:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/09/18 20:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/09/18 20:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/09/18 20:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/09/18 20:49	1
2-Hexanone	ND		5.0	1.2	ug/L			07/09/18 20:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/09/18 20:49	1
Acetone	ND		10	3.0	ug/L			07/09/18 20:49	1
Benzene	ND		1.0	0.41	ug/L			07/09/18 20:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/09/18 20:49	1
Bromoform	ND		1.0	0.26	ug/L			07/09/18 20:49	1
Bromomethane	ND		1.0	0.69	ug/L			07/09/18 20:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/09/18 20:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/09/18 20:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/09/18 20:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/09/18 20:49	1
Chloroethane	ND		1.0	0.32	ug/L			07/09/18 20:49	1
Chloroform	ND		1.0	0.34	ug/L			07/09/18 20:49	1
Chloromethane	ND		1.0	0.35	ug/L			07/09/18 20:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/09/18 20:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/09/18 20:49	1
Cyclohexane	ND		1.0	0.18	ug/L			07/09/18 20:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/09/18 20:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/09/18 20:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/09/18 20:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/09/18 20:49	1
Methyl acetate	ND		2.5	1.3	ug/L			07/09/18 20:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/09/18 20:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/09/18 20:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/09/18 20:49	1
Styrene	ND		1.0	0.73	ug/L			07/09/18 20:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/09/18 20:49	1
Toluene	ND		1.0	0.51	ug/L			07/09/18 20:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/09/18 20:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/09/18 20:49	1
Trichloroethene	ND		1.0	0.46	ug/L			07/09/18 20:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/09/18 20:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/09/18 20:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/09/18 20:49	1

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>MB MB Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					<i>07/09/18 20:49</i>	<i>1</i>

<i>Surrogate</i>	<i>%Recovery</i>	<i>MB MB Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	<i>101</i>		<i>80 - 120</i>		<i>07/09/18 20:49</i>	<i>1</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>109</i>		<i>77 - 120</i>		<i>07/09/18 20:49</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>100</i>		<i>73 - 120</i>		<i>07/09/18 20:49</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>106</i>		<i>75 - 123</i>		<i>07/09/18 20:49</i>	<i>1</i>

Lab Sample ID: LCS 480-423625/4
Matrix: Water
Analysis Batch: 423625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1,1-Trichloroethane	25.0	27.7		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	28.2		ug/L		113	76 - 120
1,1,2-Trichloroethane	25.0	26.7		ug/L		107	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	31.9		ug/L		128	61 - 148
1,1-Dichloroethane	25.0	27.1		ug/L		109	77 - 120
1,1-Dichloroethene	25.0	29.5		ug/L		118	66 - 127
1,2,4-Trichlorobenzene	25.0	26.6		ug/L		107	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.3		ug/L		109	56 - 134
1,2-Dichlorobenzene	25.0	26.4		ug/L		106	80 - 124
1,2-Dichloroethane	25.0	25.9		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	25.9		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	26.1		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	26.6		ug/L		106	80 - 120
2-Butanone (MEK)	125	143		ug/L		114	57 - 140
2-Hexanone	125	140		ug/L		112	65 - 127
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		110	71 - 125
Acetone	125	130		ug/L		104	56 - 142
Benzene	25.0	27.0		ug/L		108	71 - 124
Bromodichloromethane	25.0	28.2		ug/L		113	80 - 122
Bromoform	25.0	29.2		ug/L		117	61 - 132
Bromomethane	25.0	26.4		ug/L		105	55 - 144
Carbon disulfide	25.0	27.5		ug/L		110	59 - 134
Carbon tetrachloride	25.0	30.8		ug/L		123	72 - 134
Chlorobenzene	25.0	27.1		ug/L		108	80 - 120
Dibromochloromethane	25.0	29.4		ug/L		117	75 - 125
Chloroethane	25.0	26.3		ug/L		105	69 - 136
Chloroform	25.0	25.7		ug/L		103	73 - 127
Chloromethane	25.0	25.8		ug/L		103	68 - 124
cis-1,2-Dichloroethene	25.0	27.0		ug/L		108	74 - 124
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Cyclohexane	25.0	31.3		ug/L		125	59 - 135
Dichlorodifluoromethane	25.0	28.1		ug/L		113	59 - 135
Ethylbenzene	25.0	28.2		ug/L		113	77 - 123
1,2-Dibromoethane	25.0	27.1		ug/L		108	77 - 120
Isopropylbenzene	25.0	27.8		ug/L		111	77 - 122
Methyl acetate	50.0	47.1		ug/L		94	74 - 133
Methyl tert-butyl ether	25.0	25.6		ug/L		103	77 - 120
Methylcyclohexane	25.0	30.3		ug/L		121	68 - 134
Methylene Chloride	25.0	25.7		ug/L		103	75 - 124

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

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

Lab Sample ID: LCS 480-423625/4

Matrix: Water

Analysis Batch: 423625

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	25.0	27.8		ug/L		111	80 - 120
Tetrachloroethene	25.0	28.6		ug/L		114	74 - 122
Toluene	25.0	27.3		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	26.9		ug/L		108	73 - 127
trans-1,3-Dichloropropene	25.0	27.9		ug/L		111	80 - 120
Trichloroethene	25.0	26.9		ug/L		108	74 - 123
Trichlorofluoromethane	25.0	28.2		ug/L		113	62 - 150
Vinyl chloride	25.0	27.2		ug/L		109	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	103		80 - 120
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Dibromofluoromethane (Surr)	102		75 - 123

Lab Sample ID: 480-138526-1 MS

Matrix: Water

Analysis Batch: 423625

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	7.4		25.0	35.9		ug/L		114	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	27.2		ug/L		109	76 - 120
1,1,2-Trichloroethane	ND		25.0	26.1		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	26.2		ug/L		105	61 - 148
1,1-Dichloroethane	1.5		25.0	28.2		ug/L		107	77 - 120
1,1-Dichloroethene	ND		25.0	29.8		ug/L		119	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	26.0		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	26.5		ug/L		106	56 - 134
1,2-Dichlorobenzene	ND		25.0	25.6		ug/L		102	80 - 124
1,2-Dichloroethane	ND		25.0	25.1		ug/L		100	75 - 120
1,2-Dichloropropane	ND		25.0	25.6		ug/L		102	76 - 120
1,3-Dichlorobenzene	ND		25.0	26.2		ug/L		105	77 - 120
1,4-Dichlorobenzene	ND		25.0	26.8		ug/L		107	78 - 124
2-Butanone (MEK)	ND		125	139		ug/L		111	57 - 140
2-Hexanone	ND		125	130		ug/L		104	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	131		ug/L		104	71 - 125
Acetone	ND		125	140		ug/L		112	56 - 142
Benzene	ND		25.0	26.7		ug/L		107	71 - 124
Bromodichloromethane	ND		25.0	27.5		ug/L		110	80 - 122
Bromoform	ND		25.0	25.2		ug/L		101	61 - 132
Bromomethane	ND		25.0	24.4		ug/L		97	55 - 144
Carbon disulfide	ND		25.0	25.2		ug/L		101	59 - 134
Carbon tetrachloride	ND		25.0	28.4		ug/L		113	72 - 134
Chlorobenzene	ND		25.0	26.4		ug/L		106	80 - 120
Dibromochloromethane	ND		25.0	25.7		ug/L		103	75 - 125
Chloroethane	ND		25.0	25.7		ug/L		103	69 - 136
Chloroform	ND		25.0	26.2		ug/L		105	73 - 127

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

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

Lab Sample ID: 480-138526-1 MS

Matrix: Water

Analysis Batch: 423625

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		25.0	25.1		ug/L		100	68 - 124
cis-1,2-Dichloroethene	53	F2 F1	25.0	86.4	F1	ug/L		132	74 - 124
cis-1,3-Dichloropropene	ND		25.0	24.1		ug/L		96	74 - 124
Cyclohexane	ND		25.0	29.2		ug/L		117	59 - 135
Dichlorodifluoromethane	ND		25.0	28.5		ug/L		114	59 - 135
Ethylbenzene	ND		25.0	26.9		ug/L		108	77 - 123
1,2-Dibromoethane	ND		25.0	25.1		ug/L		100	77 - 120
Isopropylbenzene	ND		25.0	27.8		ug/L		111	77 - 122
Methyl acetate	ND		50.0	44.6		ug/L		89	74 - 133
Methyl tert-butyl ether	ND		25.0	24.7		ug/L		99	77 - 120
Methylcyclohexane	ND		25.0	29.9		ug/L		120	68 - 134
Methylene Chloride	ND		25.0	25.0		ug/L		100	75 - 124
Styrene	ND		25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	ND		25.0	27.4		ug/L		110	74 - 122
Toluene	ND		25.0	26.0		ug/L		104	80 - 122
trans-1,2-Dichloroethene	ND		25.0	28.3		ug/L		113	73 - 127
trans-1,3-Dichloropropene	ND		25.0	25.1		ug/L		100	80 - 120
Trichloroethene	370	E	25.0	437	E 4	ug/L		248	74 - 123
Trichlorofluoromethane	ND		25.0	27.7		ug/L		111	62 - 150
Vinyl chloride	17		25.0	45.8		ug/L		115	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Lab Sample ID: 480-138526-1 MSD

Matrix: Water

Analysis Batch: 423625

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	7.4		25.0	36.2		ug/L		115	73 - 126	1	15
1,1,2,2-Tetrachloroethane	ND		25.0	27.2		ug/L		109	76 - 120	0	15
1,1,2-Trichloroethane	ND		25.0	26.6		ug/L		106	76 - 122	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	24.0		ug/L		96	61 - 148	9	20
1,1-Dichloroethane	1.5		25.0	26.9		ug/L		102	77 - 120	5	20
1,1-Dichloroethene	ND		25.0	28.8		ug/L		115	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		25.0	26.4		ug/L		106	79 - 122	1	20
1,2-Dibromo-3-Chloropropane	ND		25.0	26.2		ug/L		105	56 - 134	1	15
1,2-Dichlorobenzene	ND		25.0	25.9		ug/L		103	80 - 124	1	20
1,2-Dichloroethane	ND		25.0	25.0		ug/L		100	75 - 120	1	20
1,2-Dichloropropane	ND		25.0	25.0		ug/L		100	76 - 120	2	20
1,3-Dichlorobenzene	ND		25.0	26.1		ug/L		105	77 - 120	0	20
1,4-Dichlorobenzene	ND		25.0	26.2		ug/L		105	78 - 124	2	20
2-Butanone (MEK)	ND		125	132		ug/L		105	57 - 140	5	20
2-Hexanone	ND		125	133		ug/L		106	65 - 127	3	15

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

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

Lab Sample ID: 480-138526-1 MSD

Matrix: Water

Analysis Batch: 423625

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		125	133		ug/L		106	71 - 125	2	35
Acetone	ND		125	127		ug/L		102	56 - 142	9	15
Benzene	ND		25.0	26.1		ug/L		105	71 - 124	2	13
Bromodichloromethane	ND		25.0	26.8		ug/L		107	80 - 122	3	15
Bromoform	ND		25.0	26.1		ug/L		104	61 - 132	4	15
Bromomethane	ND		25.0	27.2		ug/L		109	55 - 144	11	15
Carbon disulfide	ND		25.0	24.3		ug/L		97	59 - 134	4	15
Carbon tetrachloride	ND		25.0	27.6		ug/L		110	72 - 134	3	15
Chlorobenzene	ND		25.0	26.5		ug/L		106	80 - 120	1	25
Dibromochloromethane	ND		25.0	27.2		ug/L		109	75 - 125	5	15
Chloroethane	ND		25.0	28.8		ug/L		115	69 - 136	11	15
Chloroform	ND		25.0	25.5		ug/L		102	73 - 127	3	20
Chloromethane	ND		25.0	28.5		ug/L		114	68 - 124	13	15
cis-1,2-Dichloroethene	53	F2 F1	25.0	63.8	F2 F1	ug/L		42	74 - 124	30	15
cis-1,3-Dichloropropene	ND		25.0	23.9		ug/L		96	74 - 124	1	15
Cyclohexane	ND		25.0	27.5		ug/L		110	59 - 135	6	20
Dichlorodifluoromethane	ND		25.0	30.7		ug/L		123	59 - 135	8	20
Ethylbenzene	ND		25.0	27.7		ug/L		111	77 - 123	3	15
1,2-Dibromoethane	ND		25.0	26.2		ug/L		105	77 - 120	4	15
Isopropylbenzene	ND		25.0	27.4		ug/L		109	77 - 122	1	20
Methyl acetate	ND		50.0	45.3		ug/L		91	74 - 133	1	20
Methyl tert-butyl ether	ND		25.0	23.9		ug/L		96	77 - 120	3	37
Methylcyclohexane	ND		25.0	30.0		ug/L		120	68 - 134	0	20
Methylene Chloride	ND		25.0	23.5		ug/L		94	75 - 124	6	15
Styrene	ND		25.0	25.4		ug/L		101	80 - 120	3	20
Tetrachloroethene	ND		25.0	27.7		ug/L		111	74 - 122	1	20
Toluene	ND		25.0	26.8		ug/L		107	80 - 122	3	15
trans-1,2-Dichloroethene	ND		25.0	26.9		ug/L		108	73 - 127	5	20
trans-1,3-Dichloropropene	ND		25.0	24.9		ug/L		99	80 - 120	1	15
Trichloroethene	370	E	25.0	449	E 4	ug/L		297	74 - 123	3	16
Trichlorofluoromethane	ND		25.0	32.9		ug/L		131	62 - 150	17	20
Vinyl chloride	17		25.0	39.8		ug/L		91	65 - 133	14	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	103		80 - 120
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: MB 480-423660/7

Matrix: Water

Analysis Batch: 423660

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/10/18 12:11	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/10/18 12:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/10/18 12:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/10/18 12:11	1

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

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

Lab Sample ID: MB 480-423660/7

Matrix: Water

Analysis Batch: 423660

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/10/18 12:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/10/18 12:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/10/18 12:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/10/18 12:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/10/18 12:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/10/18 12:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/10/18 12:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/10/18 12:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/10/18 12:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/10/18 12:11	1
2-Hexanone	ND		5.0	1.2	ug/L			07/10/18 12:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/10/18 12:11	1
Acetone	ND		10	3.0	ug/L			07/10/18 12:11	1
Benzene	ND		1.0	0.41	ug/L			07/10/18 12:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/10/18 12:11	1
Bromoform	ND		1.0	0.26	ug/L			07/10/18 12:11	1
Bromomethane	ND		1.0	0.69	ug/L			07/10/18 12:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/10/18 12:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/10/18 12:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/10/18 12:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/10/18 12:11	1
Chloroethane	ND		1.0	0.32	ug/L			07/10/18 12:11	1
Chloroform	ND		1.0	0.34	ug/L			07/10/18 12:11	1
Chloromethane	ND		1.0	0.35	ug/L			07/10/18 12:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/10/18 12:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/10/18 12:11	1
Cyclohexane	ND		1.0	0.18	ug/L			07/10/18 12:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/10/18 12:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/10/18 12:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/10/18 12:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/10/18 12:11	1
Methyl acetate	ND		2.5	1.3	ug/L			07/10/18 12:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/10/18 12:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/10/18 12:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/10/18 12:11	1
Styrene	ND		1.0	0.73	ug/L			07/10/18 12:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/10/18 12:11	1
Toluene	ND		1.0	0.51	ug/L			07/10/18 12:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/10/18 12:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/10/18 12:11	1
Trichloroethene	ND		1.0	0.46	ug/L			07/10/18 12:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/10/18 12:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/10/18 12:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/10/18 12:11	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					07/10/18 12:11	1

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

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

Lab Sample ID: MB 480-423660/7

Matrix: Water

Analysis Batch: 423660

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		07/10/18 12:11	1
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		07/10/18 12:11	1
4-Bromofluorobenzene (Surr)	107		73 - 120		07/10/18 12:11	1
Dibromofluoromethane (Surr)	106		75 - 123		07/10/18 12:11	1

Lab Sample ID: LCS 480-423660/5

Matrix: Water

Analysis Batch: 423660

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.5		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	24.0		ug/L		96	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.2		ug/L		85	61 - 148
1,1-Dichloroethane	25.0	24.3		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	20.6		ug/L		82	66 - 127
1,2,4-Trichlorobenzene	25.0	24.3		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	29.6		ug/L		119	56 - 134
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	26.5		ug/L		106	75 - 120
1,2-Dichloropropane	25.0	25.8		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	25.0		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Butanone (MEK)	125	142		ug/L		114	57 - 140
2-Hexanone	125	145		ug/L		116	65 - 127
4-Methyl-2-pentanone (MIBK)	125	143		ug/L		114	71 - 125
Acetone	125	165		ug/L		132	56 - 142
Benzene	25.0	23.3		ug/L		93	71 - 124
Bromodichloromethane	25.0	26.0		ug/L		104	80 - 122
Bromoform	25.0	28.3		ug/L		113	61 - 132
Bromomethane	25.0	23.5		ug/L		94	55 - 144
Carbon disulfide	25.0	19.3		ug/L		77	59 - 134
Carbon tetrachloride	25.0	25.0		ug/L		100	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120
Dibromochloromethane	25.0	28.4		ug/L		114	75 - 125
Chloroethane	25.0	24.1		ug/L		96	69 - 136
Chloroform	25.0	23.3		ug/L		93	73 - 127
Chloromethane	25.0	24.4		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	22.1		ug/L		88	74 - 124
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	74 - 124
Cyclohexane	25.0	23.8		ug/L		95	59 - 135
Dichlorodifluoromethane	25.0	26.9		ug/L		108	59 - 135
Ethylbenzene	25.0	23.4		ug/L		93	77 - 123
1,2-Dibromoethane	25.0	26.2		ug/L		105	77 - 120
Isopropylbenzene	25.0	23.2		ug/L		93	77 - 122
Methyl acetate	50.0	48.8		ug/L		98	74 - 133
Methyl tert-butyl ether	25.0	25.2		ug/L		101	77 - 120

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

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

Lab Sample ID: LCS 480-423660/5

Matrix: Water

Analysis Batch: 423660

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	25.0	21.4		ug/L		86	68 - 134
Methylene Chloride	25.0	21.5		ug/L		86	75 - 124
Styrene	25.0	25.5		ug/L		102	80 - 120
Tetrachloroethene	25.0	22.5		ug/L		90	74 - 122
Toluene	25.0	22.6		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	23.4		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	26.3		ug/L		105	80 - 120
Trichloroethene	25.0	22.9		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	26.4		ug/L		105	62 - 150
Vinyl chloride	25.0	22.2		ug/L		89	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	113		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	107		75 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Lab Sample ID: 480-138526-1 MS

Matrix: Water

Analysis Batch: 423660

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane - DL	ND	F1	250	325	F1	ug/L		130	73 - 126
1,1,2,2-Tetrachloroethane - DL	ND		250	246		ug/L		98	76 - 120
1,1,2-Trichloroethane - DL	ND		250	246		ug/L		98	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	ND		250	295		ug/L		118	61 - 148
1,1-Dichloroethane - DL	ND		250	278		ug/L		111	77 - 120
1,1-Dichloroethene - DL	ND	F2	250	287		ug/L		115	66 - 127
1,2,4-Trichlorobenzene - DL	ND		250	249		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane - DL	ND		250	275		ug/L		110	56 - 134
1,2-Dichlorobenzene - DL	ND		250	265		ug/L		106	80 - 124
1,2-Dichloroethane - DL	ND		250	272		ug/L		109	75 - 120
1,2-Dichloropropane - DL	ND		250	277		ug/L		111	76 - 120
1,3-Dichlorobenzene - DL	ND		250	268		ug/L		107	77 - 120
1,4-Dichlorobenzene - DL	ND		250	256		ug/L		102	78 - 124
2-Butanone (MEK) - DL	ND		1250	1300		ug/L		104	57 - 140
2-Hexanone - DL	ND		1250	1340		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK) - DL	ND		1250	1370		ug/L		110	71 - 125
Acetone - DL	ND		1250	1230		ug/L		99	56 - 142
Benzene - DL	ND	F2	250	272		ug/L		109	71 - 124
Bromodichloromethane - DL	ND		250	284		ug/L		113	80 - 122
Bromoform - DL	ND		250	296		ug/L		118	61 - 132
Bromomethane - DL	ND		250	263		ug/L		105	55 - 144

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 480-138526-1 MS

Matrix: Water

Analysis Batch: 423660

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide - DL	ND		250	262		ug/L		105	59 - 134
Carbon tetrachloride - DL	ND		250	324		ug/L		130	72 - 134
Chlorobenzene - DL	ND		250	272		ug/L		109	80 - 120
Dibromochloromethane - DL	ND		250	291		ug/L		116	75 - 125
Chloroethane - DL	ND	F2	250	303		ug/L		121	69 - 136
Chloroform - DL	ND		250	267		ug/L		107	73 - 127
Chloromethane - DL	ND	F2	250	297		ug/L		119	68 - 124
cis-1,2-Dichloroethene - DL	53		250	303		ug/L		100	74 - 124
cis-1,3-Dichloropropene - DL	ND		250	259		ug/L		104	74 - 124
Cyclohexane - DL	ND		250	329		ug/L		132	59 - 135
Dichlorodifluoromethane - DL	ND	F1	250	384	F1	ug/L		154	59 - 135
Ethylbenzene - DL	ND		250	274		ug/L		110	77 - 123
1,2-Dibromoethane - DL	ND		250	263		ug/L		105	77 - 120
Isopropylbenzene - DL	ND		250	274		ug/L		109	77 - 122
Methyl acetate - DL	ND		500	469		ug/L		94	74 - 133
Methyl tert-butyl ether - DL	ND		250	251		ug/L		101	77 - 120
Methylcyclohexane - DL	ND		250	289		ug/L		116	68 - 134
Methylene Chloride - DL	ND		250	236		ug/L		94	75 - 124
Styrene - DL	ND		250	281		ug/L		113	80 - 120
Tetrachloroethene - DL	ND		250	288		ug/L		115	74 - 122
Toluene - DL	ND		250	267		ug/L		107	80 - 122
trans-1,2-Dichloroethene - DL	ND		250	287		ug/L		115	73 - 127
trans-1,3-Dichloropropene - DL	ND		250	257		ug/L		103	80 - 120
Trichloroethene - DL	440	F1	250	771	F1	ug/L		133	74 - 123
Trichlorofluoromethane - DL	ND	F2	250	359		ug/L		144	62 - 150
Vinyl chloride - DL	17	F2	250	336		ug/L		128	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr) - DL	99		80 - 120
1,2-Dichloroethane-d4 (Surr) - DL	114		77 - 120
4-Bromofluorobenzene (Surr) - DL	107		73 - 120
Dibromofluoromethane (Surr) - DL	108		75 - 123

Lab Sample ID: 480-138526-1 MSD

Matrix: Water

Analysis Batch: 423660

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane - DL	ND	F1	250	296		ug/L		118	73 - 126	9	15
1,1,2,2-Tetrachloroethane - DL	ND		250	232		ug/L		93	76 - 120	6	15
1,1,2-Trichloroethane - DL	ND		250	228		ug/L		91	76 - 122	7	15
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	ND		250	253		ug/L		101	61 - 148	15	20
1,1-Dichloroethane - DL	ND		250	254		ug/L		101	77 - 120	9	20
1,1-Dichloroethene - DL	ND	F2	250	238	F2	ug/L		95	66 - 127	19	16
1,2,4-Trichlorobenzene - DL	ND		250	236		ug/L		94	79 - 122	6	20

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 480-138526-1 MSD

Matrix: Water

Analysis Batch: 423660

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane - DL	ND		250	281		ug/L		112	56 - 134	2	15
1,2-Dichlorobenzene - DL	ND		250	244		ug/L		98	80 - 124	8	20
1,2-Dichloroethane - DL	ND		250	248		ug/L		99	75 - 120	9	20
1,2-Dichloropropane - DL	ND		250	251		ug/L		100	76 - 120	10	20
1,3-Dichlorobenzene - DL	ND		250	245		ug/L		98	77 - 120	9	20
1,4-Dichlorobenzene - DL	ND		250	240		ug/L		96	78 - 124	7	20
2-Butanone (MEK) - DL	ND		1250	1240		ug/L		99	57 - 140	5	20
2-Hexanone - DL	ND		1250	1270		ug/L		102	65 - 127	5	15
4-Methyl-2-pentanone (MIBK) - DL	ND		1250	1320		ug/L		106	71 - 125	4	35
Acetone - DL	ND		1250	1160		ug/L		93	56 - 142	6	15
Benzene - DL	ND	F2	250	238	F2	ug/L		95	71 - 124	14	13
Bromodichloromethane - DL	ND		250	256		ug/L		102	80 - 122	10	15
Bromoform - DL	ND		250	270		ug/L		108	61 - 132	9	15
Bromomethane - DL	ND		250	227		ug/L		91	55 - 144	15	15
Carbon disulfide - DL	ND		250	231		ug/L		92	59 - 134	12	15
Carbon tetrachloride - DL	ND		250	292		ug/L		117	72 - 134	10	15
Chlorobenzene - DL	ND		250	245		ug/L		98	80 - 120	11	25
Dibromochloromethane - DL	ND		250	287		ug/L		115	75 - 125	1	15
Chloroethane - DL	ND	F2	250	247	F2	ug/L		99	69 - 136	20	15
Chloroform - DL	ND		250	243		ug/L		97	73 - 127	9	20
Chloromethane - DL	ND	F2	250	239	F2	ug/L		96	68 - 124	22	15
cis-1,2-Dichloroethene - DL	53		250	276		ug/L		89	74 - 124	9	15
cis-1,3-Dichloropropene - DL	ND		250	237		ug/L		95	74 - 124	9	15
Cyclohexane - DL	ND		250	286		ug/L		114	59 - 135	14	20
Dichlorodifluoromethane - DL	ND	F1	250	315		ug/L		126	59 - 135	20	20
Ethylbenzene - DL	ND		250	248		ug/L		99	77 - 123	10	15
1,2-Dibromoethane - DL	ND		250	245		ug/L		98	77 - 120	7	15
Isopropylbenzene - DL	ND		250	251		ug/L		100	77 - 122	9	20
Methyl acetate - DL	ND		500	428		ug/L		86	74 - 133	9	20
Methyl tert-butyl ether - DL	ND		250	230		ug/L		92	77 - 120	9	37
Methylcyclohexane - DL	ND		250	263		ug/L		105	68 - 134	9	20
Methylene Chloride - DL	ND		250	220		ug/L		88	75 - 124	7	15
Styrene - DL	ND		250	253		ug/L		101	80 - 120	10	20
Tetrachloroethene - DL	ND		250	259		ug/L		104	74 - 122	11	20
Toluene - DL	ND		250	239		ug/L		96	80 - 122	11	15
trans-1,2-Dichloroethene - DL	ND		250	249		ug/L		100	73 - 127	14	20
trans-1,3-Dichloropropene - DL	ND		250	242		ug/L		97	80 - 120	6	15
Trichloroethene - DL	440	F1	250	748	F1	ug/L		124	74 - 123	3	16
Trichlorofluoromethane - DL	ND	F2	250	289	F2	ug/L		116	62 - 150	22	20
Vinyl chloride - DL	17	F2	250	264	F2	ug/L		99	65 - 133	24	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr) - DL	99		80 - 120
1,2-Dichloroethane-d4 (Surr) - DL	110		77 - 120
4-Bromofluorobenzene (Surr) - DL	106		73 - 120

TestAmerica Buffalo

QC Sample Results

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 480-138526-1 MSD

Matrix: Water

Analysis Batch: 423660

Client Sample ID: OW-01 070618

Prep Type: Total/NA

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr) - DL	107		75 - 123

Definitions/Glossary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
E	Result exceeded calibration range.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

GC/MS VOA

Analysis Batch: 423625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-138526-1	OW-01 070618	Total/NA	Water	8260C	
480-138526-2	OW-02 070618	Total/NA	Water	8260C	
480-138526-3	OW-03 070618	Total/NA	Water	8260C	
480-138526-4	OW-04/08 070618	Total/NA	Water	8260C	
480-138526-5	OW-05 070618	Total/NA	Water	8260C	
480-138526-6	OW-07 070618	Total/NA	Water	8260C	
480-138526-8	OW-09 070618	Total/NA	Water	8260C	
480-138526-9	BLIND DUP	Total/NA	Water	8260C	
MB 480-423625/6	Method Blank	Total/NA	Water	8260C	
LCS 480-423625/4	Lab Control Sample	Total/NA	Water	8260C	
480-138526-1 MS	OW-01 070618	Total/NA	Water	8260C	
480-138526-1 MSD	OW-01 070618	Total/NA	Water	8260C	

Analysis Batch: 423660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-138526-1 - DL	OW-01 070618	Total/NA	Water	8260C	
480-138526-7	OW-04 070618	Total/NA	Water	8260C	
MB 480-423660/7	Method Blank	Total/NA	Water	8260C	
LCS 480-423660/5	Lab Control Sample	Total/NA	Water	8260C	
480-138526-1 MS - DL	OW-01 070618	Total/NA	Water	8260C	
480-138526-1 MSD - DL	OW-01 070618	Total/NA	Water	8260C	

Lab Chronicle

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-01 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 00:15	NMC	TAL BUF
Total/NA	Analysis	8260C	DL	10	423660	07/10/18 17:03	AEM	TAL BUF

Client Sample ID: OW-02 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 00:38	NMC	TAL BUF

Client Sample ID: OW-03 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 01:01	NMC	TAL BUF

Client Sample ID: OW-04/08 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 01:24	NMC	TAL BUF

Client Sample ID: OW-05 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 01:48	NMC	TAL BUF

Client Sample ID: OW-07 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 02:11	NMC	TAL BUF

Lab Chronicle

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Client Sample ID: OW-04 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423660	07/10/18 19:49	AEM	TAL BUF

Client Sample ID: OW-09 070618

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 02:34	NMC	TAL BUF

Client Sample ID: BLIND DUP

Date Collected: 07/06/18 00:00

Date Received: 07/07/18 09:00

Lab Sample ID: 480-138526-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	423625	07/10/18 02:58	NMC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Joseph C. Lu Eng & Land Surveying PC
Project/Site: Griffin #50322

TestAmerica Job ID: 480-138526-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Buffalo

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): ZB-624 (20) ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
OW-01 070618	480-138526-1	103	102	100	99
OW-01 070618 DL	480-138526-1 DL	104	111	96	104
OW-02 070618	480-138526-2	106	106	102	100
OW-03 070618	480-138526-3	108	109	101	99
OW-04/08 070618	480-138526-4	107	109	102	97
OW-05 070618	480-138526-5	105	111	103	99
OW-07 070618	480-138526-6	105	106	103	100
OW-04 070618	480-138526-7	105	109	96	104
OW-09 070618	480-138526-8	106	109	102	97
BLIND DUP	480-138526-9	105	104	99	96
	MB 480-423625/6	106	109	101	100
	MB 480-423660/7	106	111	99	107
	LCS 480-423625/4	102	102	103	101
	LCS 480-423660/5	107	113	98	106
OW-01 070618 MS	480-138526-1 MS	101	103	100	100
OW-01 070618 MS DL	480-138526-1 MS DL	108	114	99	107
OW-01 070618 MSD	480-138526-1 MSD	103	103	103	102
OW-01 070618 MSD DL	480-138526-1 MSD DL	107	110	99	106

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
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.: 480-138526-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S3279.D
 Lab ID: LCS 480-423625/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.7	111	73-126	
1,1,2,2-Tetrachloroethane	25.0	28.2	113	76-120	
1,1,2-Trichloroethane	25.0	26.7	107	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	31.9	128	61-148	
1,1-Dichloroethane	25.0	27.1	109	77-120	
1,1-Dichloroethene	25.0	29.5	118	66-127	
1,2,4-Trichlorobenzene	25.0	26.6	107	79-122	
1,2-Dibromo-3-Chloropropane	25.0	27.3	109	56-134	
1,2-Dichlorobenzene	25.0	26.4	106	80-124	
1,2-Dichloroethane	25.0	25.9	104	75-120	
1,2-Dichloropropane	25.0	25.9	104	76-120	
1,3-Dichlorobenzene	25.0	26.1	104	77-120	
1,4-Dichlorobenzene	25.0	26.6	106	80-120	
2-Butanone (MEK)	125	143	114	57-140	
2-Hexanone	125	140	112	65-127	
4-Methyl-2-pentanone (MIBK)	125	137	110	71-125	
Acetone	125	130	104	56-142	
Benzene	25.0	27.0	108	71-124	
Bromodichloromethane	25.0	28.2	113	80-122	
Bromoform	25.0	29.2	117	61-132	
Bromomethane	25.0	26.4	105	55-144	
Carbon disulfide	25.0	27.5	110	59-134	
Carbon tetrachloride	25.0	30.8	123	72-134	
Chlorobenzene	25.0	27.1	108	80-120	
Dibromochloromethane	25.0	29.4	117	75-125	
Chloroethane	25.0	26.3	105	69-136	
Chloroform	25.0	25.7	103	73-127	
Chloromethane	25.0	25.8	103	68-124	
cis-1,2-Dichloroethene	25.0	27.0	108	74-124	
cis-1,3-Dichloropropene	25.0	26.5	106	74-124	
Cyclohexane	25.0	31.3	125	59-135	
Dichlorodifluoromethane	25.0	28.1	113	59-135	
Ethylbenzene	25.0	28.2	113	77-123	
1,2-Dibromoethane	25.0	27.1	108	77-120	
Isopropylbenzene	25.0	27.8	111	77-122	
Methyl acetate	50.0	47.1	94	74-133	
Methyl tert-butyl ether	25.0	25.6	103	77-120	
Methylcyclohexane	25.0	30.3	121	68-134	
Methylene Chloride	25.0	25.7	103	75-124	
Styrene	25.0	27.8	111	80-120	
Tetrachloroethene	25.0	28.6	114	74-122	

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.: 480-138526-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: S3279.D
Lab ID: LCS 480-423625/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	27.3	109	80-122	
trans-1,2-Dichloroethene	25.0	26.9	108	73-127	
trans-1,3-Dichloropropene	25.0	27.9	111	80-120	
Trichloroethene	25.0	26.9	108	74-123	
Trichlorofluoromethane	25.0	28.2	113	62-150	
Vinyl chloride	25.0	27.2	109	65-133	

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.: 480-138526-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T0440.D
 Lab ID: LCS 480-423660/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.5	98	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.8	99	76-120	
1,1,2-Trichloroethane	25.0	24.0	96	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.2	85	61-148	
1,1-Dichloroethane	25.0	24.3	97	77-120	
1,1-Dichloroethene	25.0	20.6	82	66-127	
1,2,4-Trichlorobenzene	25.0	24.3	97	79-122	
1,2-Dibromo-3-Chloropropane	25.0	29.6	119	56-134	
1,2-Dichlorobenzene	25.0	25.0	100	80-124	
1,2-Dichloroethane	25.0	26.5	106	75-120	
1,2-Dichloropropane	25.0	25.8	103	76-120	
1,3-Dichlorobenzene	25.0	25.0	100	77-120	
1,4-Dichlorobenzene	25.0	24.2	97	80-120	
2-Butanone (MEK)	125	142	114	57-140	
2-Hexanone	125	145	116	65-127	
4-Methyl-2-pentanone (MIBK)	125	143	114	71-125	
Acetone	125	165	132	56-142	
Benzene	25.0	23.3	93	71-124	
Bromodichloromethane	25.0	26.0	104	80-122	
Bromoform	25.0	28.3	113	61-132	
Bromomethane	25.0	23.5	94	55-144	
Carbon disulfide	25.0	19.3	77	59-134	
Carbon tetrachloride	25.0	25.0	100	72-134	
Chlorobenzene	25.0	23.8	95	80-120	
Dibromochloromethane	25.0	28.4	114	75-125	
Chloroethane	25.0	24.1	96	69-136	
Chloroform	25.0	23.3	93	73-127	
Chloromethane	25.0	24.4	98	68-124	
cis-1,2-Dichloroethene	25.0	22.1	88	74-124	
cis-1,3-Dichloropropene	25.0	25.7	103	74-124	
Cyclohexane	25.0	23.8	95	59-135	
Dichlorodifluoromethane	25.0	26.9	108	59-135	
Ethylbenzene	25.0	23.4	93	77-123	
1,2-Dibromoethane	25.0	26.2	105	77-120	
Isopropylbenzene	25.0	23.2	93	77-122	
Methyl acetate	50.0	48.8	98	74-133	
Methyl tert-butyl ether	25.0	25.2	101	77-120	
Methylcyclohexane	25.0	21.4	86	68-134	
Methylene Chloride	25.0	21.5	86	75-124	
Styrene	25.0	25.5	102	80-120	
Tetrachloroethene	25.0	22.5	90	74-122	

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.: 480-138526-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: T0440.D
Lab ID: LCS 480-423660/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	22.6	90	80-122	
trans-1,2-Dichloroethene	25.0	23.4	94	73-127	
trans-1,3-Dichloropropene	25.0	26.3	105	80-120	
Trichloroethene	25.0	22.9	92	74-123	
Trichlorofluoromethane	25.0	26.4	105	62-150	
Vinyl chloride	25.0	22.2	89	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S3300.D
 Lab ID: 480-138526-1 MS Client ID: OW-01 070618 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	7.4	35.9	114	73-126	
1,1,2,2-Tetrachloroethane	25.0	ND	27.2	109	76-120	
1,1,2-Trichloroethane	25.0	ND	26.1	105	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	ND	26.2	105	61-148	
1,1-Dichloroethane	25.0	1.5	28.2	107	77-120	
1,1-Dichloroethene	25.0	ND	29.8	119	66-127	
1,2,4-Trichlorobenzene	25.0	ND	26.0	104	79-122	
1,2-Dibromo-3-Chloropropane	25.0	ND	26.5	106	56-134	
1,2-Dichlorobenzene	25.0	ND	25.6	102	80-124	
1,2-Dichloroethane	25.0	ND	25.1	100	75-120	
1,2-Dichloropropane	25.0	ND	25.6	102	76-120	
1,3-Dichlorobenzene	25.0	ND	26.2	105	77-120	
1,4-Dichlorobenzene	25.0	ND	26.8	107	78-124	
2-Butanone (MEK)	125	ND	139	111	57-140	
2-Hexanone	125	ND	130	104	65-127	
4-Methyl-2-pentanone (MIBK)	125	ND	131	104	71-125	
Acetone	125	ND	140	112	56-142	
Benzene	25.0	ND	26.7	107	71-124	
Bromodichloromethane	25.0	ND	27.5	110	80-122	
Bromoform	25.0	ND	25.2	101	61-132	
Bromomethane	25.0	ND	24.4	97	55-144	
Carbon disulfide	25.0	ND	25.2	101	59-134	
Carbon tetrachloride	25.0	ND	28.4	113	72-134	
Chlorobenzene	25.0	ND	26.4	106	80-120	
Dibromochloromethane	25.0	ND	25.7	103	75-125	
Chloroethane	25.0	ND	25.7	103	69-136	
Chloroform	25.0	ND	26.2	105	73-127	
Chloromethane	25.0	ND	25.1	100	68-124	
cis-1,2-Dichloroethene	25.0	53	86.4	132	74-124	F1
cis-1,3-Dichloropropene	25.0	ND	24.1	96	74-124	
Cyclohexane	25.0	ND	29.2	117	59-135	
Dichlorodifluoromethane	25.0	ND	28.5	114	59-135	
Ethylbenzene	25.0	ND	26.9	108	77-123	
1,2-Dibromoethane	25.0	ND	25.1	100	77-120	
Isopropylbenzene	25.0	ND	27.8	111	77-122	
Methyl acetate	50.0	ND	44.6	89	74-133	
Methyl tert-butyl ether	25.0	ND	24.7	99	77-120	
Methylcyclohexane	25.0	ND	29.9	120	68-134	
Methylene Chloride	25.0	ND	25.0	100	75-124	
Styrene	25.0	ND	24.7	99	80-120	
Tetrachloroethene	25.0	ND	27.4	110	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S3300.D
 Lab ID: 480-138526-1 MS Client ID: OW-01 070618 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	25.0	ND	26.0	104	80-122	
trans-1,2-Dichloroethene	25.0	ND	28.3	113	73-127	
trans-1,3-Dichloropropene	25.0	ND	25.1	100	80-120	
Trichloroethene	25.0	370	437	248	74-123	E 4
Trichlorofluoromethane	25.0	ND	27.7	111	62-150	
Vinyl chloride	25.0	17	45.8	115	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo

Job No.: 480-138526-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: T0457.D

Lab ID: 480-138526-1 MS DL

Client ID: OW-01 070618 MS DL

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	250	ND	325	130	73-126	F1
1,1,2,2-Tetrachloroethane	250	ND	246	98	76-120	
1,1,2-Trichloroethane	250	ND	246	98	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	250	ND	295	118	61-148	
1,1-Dichloroethane	250	ND	278	111	77-120	
1,1-Dichloroethene	250	ND	287	115	66-127	
1,2,4-Trichlorobenzene	250	ND	249	100	79-122	
1,2-Dibromo-3-Chloropropane	250	ND	275	110	56-134	
1,2-Dichlorobenzene	250	ND	265	106	80-124	
1,2-Dichloroethane	250	ND	272	109	75-120	
1,2-Dichloropropane	250	ND	277	111	76-120	
1,3-Dichlorobenzene	250	ND	268	107	77-120	
1,4-Dichlorobenzene	250	ND	256	102	78-124	
2-Butanone (MEK)	1250	ND	1300	104	57-140	
2-Hexanone	1250	ND	1340	107	65-127	
4-Methyl-2-pentanone (MIBK)	1250	ND	1370	110	71-125	
Acetone	1250	ND	1230	99	56-142	
Benzene	250	ND	272	109	71-124	
Bromodichloromethane	250	ND	284	113	80-122	
Bromoform	250	ND	296	118	61-132	
Bromomethane	250	ND	263	105	55-144	
Carbon disulfide	250	ND	262	105	59-134	
Carbon tetrachloride	250	ND	324	130	72-134	
Chlorobenzene	250	ND	272	109	80-120	
Dibromochloromethane	250	ND	291	116	75-125	
Chloroethane	250	ND	303	121	69-136	
Chloroform	250	ND	267	107	73-127	
Chloromethane	250	ND	297	119	68-124	
cis-1,2-Dichloroethene	250	53	303	100	74-124	
cis-1,3-Dichloropropene	250	ND	259	104	74-124	
Cyclohexane	250	ND	329	132	59-135	
Dichlorodifluoromethane	250	ND	384	154	59-135	F1
Ethylbenzene	250	ND	274	110	77-123	
1,2-Dibromoethane	250	ND	263	105	77-120	
Isopropylbenzene	250	ND	274	109	77-122	
Methyl acetate	500	ND	469	94	74-133	
Methyl tert-butyl ether	250	ND	251	101	77-120	
Methylcyclohexane	250	ND	289	116	68-134	
Methylene Chloride	250	ND	236	94	75-124	
Styrene	250	ND	281	113	80-120	
Tetrachloroethene	250	ND	288	115	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T0457.D
 Lab ID: 480-138526-1 MS DL Client ID: OW-01 070618 MS DL

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	250	ND	267	107	80-122	
trans-1,2-Dichloroethene	250	ND	287	115	73-127	
trans-1,3-Dichloropropene	250	ND	257	103	80-120	
Trichloroethene	250	440	771	133	74-123	F1
Trichlorofluoromethane	250	ND	359	144	62-150	
Vinyl chloride	250	17	336	128	65-133	

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.: 480-138526-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S3301.D
 Lab ID: 480-138526-1 MSD Client ID: OW-01 070618 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	25.0	36.2	115	1	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	27.2	109	0	15	76-120	
1,1,2-Trichloroethane	25.0	26.6	106	2	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.0	96	9	20	61-148	
1,1-Dichloroethane	25.0	26.9	102	5	20	77-120	
1,1-Dichloroethene	25.0	28.8	115	3	16	66-127	
1,2,4-Trichlorobenzene	25.0	26.4	106	1	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	26.2	105	1	15	56-134	
1,2-Dichlorobenzene	25.0	25.9	103	1	20	80-124	
1,2-Dichloroethane	25.0	25.0	100	1	20	75-120	
1,2-Dichloropropane	25.0	25.0	100	2	20	76-120	
1,3-Dichlorobenzene	25.0	26.1	105	0	20	77-120	
1,4-Dichlorobenzene	25.0	26.2	105	2	20	78-124	
2-Butanone (MEK)	125	132	105	5	20	57-140	
2-Hexanone	125	133	106	3	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	133	106	2	35	71-125	
Acetone	125	127	102	9	15	56-142	
Benzene	25.0	26.1	105	2	13	71-124	
Bromodichloromethane	25.0	26.8	107	3	15	80-122	
Bromoform	25.0	26.1	104	4	15	61-132	
Bromomethane	25.0	27.2	109	11	15	55-144	
Carbon disulfide	25.0	24.3	97	4	15	59-134	
Carbon tetrachloride	25.0	27.6	110	3	15	72-134	
Chlorobenzene	25.0	26.5	106	1	25	80-120	
Dibromochloromethane	25.0	27.2	109	5	15	75-125	
Chloroethane	25.0	28.8	115	11	15	69-136	
Chloroform	25.0	25.5	102	3	20	73-127	
Chloromethane	25.0	28.5	114	13	15	68-124	
cis-1,2-Dichloroethene	25.0	63.8	42	30	15	74-124	F2 F1
cis-1,3-Dichloropropene	25.0	23.9	96	1	15	74-124	
Cyclohexane	25.0	27.5	110	6	20	59-135	
Dichlorodifluoromethane	25.0	30.7	123	8	20	59-135	
Ethylbenzene	25.0	27.7	111	3	15	77-123	
1,2-Dibromoethane	25.0	26.2	105	4	15	77-120	
Isopropylbenzene	25.0	27.4	109	1	20	77-122	
Methyl acetate	50.0	45.3	91	1	20	74-133	
Methyl tert-butyl ether	25.0	23.9	96	3	37	77-120	
Methylcyclohexane	25.0	30.0	120	0	20	68-134	
Methylene Chloride	25.0	23.5	94	6	15	75-124	
Styrene	25.0	25.4	101	3	20	80-120	
Tetrachloroethene	25.0	27.7	111	1	20	74-122	

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.: 480-138526-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S3301.D
 Lab ID: 480-138526-1 MSD Client ID: OW-01 070618 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Toluene	25.0	26.8	107	3	15	80-122	
trans-1,2-Dichloroethene	25.0	26.9	108	5	20	73-127	
trans-1,3-Dichloropropene	25.0	24.9	99	1	15	80-120	
Trichloroethene	25.0	449	297	3	16	74-123	E 4
Trichlorofluoromethane	25.0	32.9	131	17	20	62-150	
Vinyl chloride	25.0	39.8	91	14	15	65-133	

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.: 480-138526-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T0458.D
 Lab ID: 480-138526-1 MSD DL Client ID: OW-01 070618 MSD DL

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	250	296	118	9	15	73-126	
1,1,2,2-Tetrachloroethane	250	232	93	6	15	76-120	
1,1,2-Trichloroethane	250	228	91	7	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	250	253	101	15	20	61-148	
1,1-Dichloroethane	250	254	101	9	20	77-120	
1,1-Dichloroethene	250	238	95	19	16	66-127	F2
1,2,4-Trichlorobenzene	250	236	94	6	20	79-122	
1,2-Dibromo-3-Chloropropane	250	281	112	2	15	56-134	
1,2-Dichlorobenzene	250	244	98	8	20	80-124	
1,2-Dichloroethane	250	248	99	9	20	75-120	
1,2-Dichloropropane	250	251	100	10	20	76-120	
1,3-Dichlorobenzene	250	245	98	9	20	77-120	
1,4-Dichlorobenzene	250	240	96	7	20	78-124	
2-Butanone (MEK)	1250	1240	99	5	20	57-140	
2-Hexanone	1250	1270	102	5	15	65-127	
4-Methyl-2-pentanone (MIBK)	1250	1320	106	4	35	71-125	
Acetone	1250	1160	93	6	15	56-142	
Benzene	250	238	95	14	13	71-124	F2
Bromodichloromethane	250	256	102	10	15	80-122	
Bromoform	250	270	108	9	15	61-132	
Bromomethane	250	227	91	15	15	55-144	
Carbon disulfide	250	231	92	12	15	59-134	
Carbon tetrachloride	250	292	117	10	15	72-134	
Chlorobenzene	250	245	98	11	25	80-120	
Dibromochloromethane	250	287	115	1	15	75-125	
Chloroethane	250	247	99	20	15	69-136	F2
Chloroform	250	243	97	9	20	73-127	
Chloromethane	250	239	96	22	15	68-124	F2
cis-1,2-Dichloroethene	250	276	89	9	15	74-124	
cis-1,3-Dichloropropene	250	237	95	9	15	74-124	
Cyclohexane	250	286	114	14	20	59-135	
Dichlorodifluoromethane	250	315	126	20	20	59-135	
Ethylbenzene	250	248	99	10	15	77-123	
1,2-Dibromoethane	250	245	98	7	15	77-120	
Isopropylbenzene	250	251	100	9	20	77-122	
Methyl acetate	500	428	86	9	20	74-133	
Methyl tert-butyl ether	250	230	92	9	37	77-120	
Methylcyclohexane	250	263	105	9	20	68-134	
Methylene Chloride	250	220	88	7	15	75-124	
Styrene	250	253	101	10	20	80-120	
Tetrachloroethene	250	259	104	11	20	74-122	

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.: 480-138526-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T0458.D
 Lab ID: 480-138526-1 MSD DL Client ID: OW-01 070618 MSD DL

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Toluene	250	239	96	11	15	80-122	
trans-1,2-Dichloroethene	250	249	100	14	20	73-127	
trans-1,3-Dichloropropene	250	242	97	6	15	80-120	
Trichloroethene	250	748	124	3	16	74-123	F1
Trichlorofluoromethane	250	289	116	22	20	62-150	F2
Vinyl chloride	250	264	99	24	15	65-133	F2

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Lab File ID: S3281.D Lab Sample ID: MB 480-423625/6
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: HP5973S Date Analyzed: 07/09/2018 20:49
 GC Column: ZB-624 (20) ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-423625/4	S3279.D	07/09/2018 19:50
OW-01 070618	480-138526-1	S3289.D	07/10/2018 00:15
OW-02 070618	480-138526-2	S3290.D	07/10/2018 00:38
OW-03 070618	480-138526-3	S3291.D	07/10/2018 01:01
OW-04/08 070618	480-138526-4	S3292.D	07/10/2018 01:24
OW-05 070618	480-138526-5	S3293.D	07/10/2018 01:48
OW-07 070618	480-138526-6	S3294.D	07/10/2018 02:11
OW-09 070618	480-138526-8	S3296.D	07/10/2018 02:34
BLIND DUP	480-138526-9	S3297.D	07/10/2018 02:58
OW-01 070618 MS	480-138526-1 MS	S3300.D	07/10/2018 04:07
OW-01 070618 MSD	480-138526-1 MSD	S3301.D	07/10/2018 04:31

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Lab File ID: T0442.D Lab Sample ID: MB 480-423660/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5975T Date Analyzed: 07/10/2018 12:11
GC Column: ZB-624 (20) ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-423660/5	T0440.D	07/10/2018 10:18
OW-01 070618 DL	480-138526-1 DL	T0449.D	07/10/2018 17:03
OW-04 070618	480-138526-7	T0456.D	07/10/2018 19:49
OW-01 070618 MS DL	480-138526-1 MS DL	T0457.D	07/10/2018 20:13
OW-01 070618 MSD DL	480-138526-1 MSD DL	T0458.D	07/10/2018 20:37

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Lab File ID: S2504.D BFB Injection Date: 06/20/2018
 Instrument ID: HP5973S BFB Injection Time: 12:54
 Analysis Batch No.: 420621

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.0
75	30.0 - 60.0 % of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.1
173	Less than 2.0 % of mass 174	0.3 (0.4) 1
174	50.0 - 120.00 % of mass 95	79.8
175	5.0 - 9.0 % of mass 174	6.2 (7.7) 1
176	95.0 - 101.0 % of mass 174	77.9 (97.6) 1
177	5.0 - 9.0 % of mass 176	4.6 (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
	IC 480-420621/5	S2506.D	06/20/2018	13:51
	IC 480-420621/6	S2507.D	06/20/2018	14:14
	IC 480-420621/7	S2508.D	06/20/2018	14:38
	IC 480-420621/8	S2509.D	06/20/2018	15:01
	IC 480-420621/9	S2510.D	06/20/2018	15:24
	ICIS 480-420621/10	S2511.D	06/20/2018	15:48
	IC 480-420621/11	S2512.D	06/20/2018	16:11
	IC 480-420621/12	S2513.D	06/20/2018	16:34

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Lab File ID: S3276.D BFB Injection Date: 07/09/2018
Instrument ID: HP5973S BFB Injection Time: 18:35
Analysis Batch No.: 423625

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.8
75	30.0 - 60.0 % of mass 95	45.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.4
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	81.4
175	5.0 - 9.0 % of mass 174	6.6 (8.2) 1
176	95.0 - 101.0 % of mass 174	78.8 (96.8) 1
177	5.0 - 9.0 % of mass 176	5.4 (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 480-423625/2	S3277.D	07/09/2018	19:03
	LCS 480-423625/4	S3279.D	07/09/2018	19:50
	MB 480-423625/6	S3281.D	07/09/2018	20:49
OW-01 070618	480-138526-1	S3289.D	07/10/2018	00:15
OW-02 070618	480-138526-2	S3290.D	07/10/2018	00:38
OW-03 070618	480-138526-3	S3291.D	07/10/2018	01:01
OW-04/08 070618	480-138526-4	S3292.D	07/10/2018	01:24
OW-05 070618	480-138526-5	S3293.D	07/10/2018	01:48
OW-07 070618	480-138526-6	S3294.D	07/10/2018	02:11
OW-09 070618	480-138526-8	S3296.D	07/10/2018	02:34
BLIND DUP	480-138526-9	S3297.D	07/10/2018	02:58
OW-01 070618 MS	480-138526-1 MS	S3300.D	07/10/2018	04:07
OW-01 070618 MSD	480-138526-1 MSD	S3301.D	07/10/2018	04:31

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Lab File ID: T0002.D BFB Injection Date: 06/25/2018
 Instrument ID: HP5975T BFB Injection Time: 15:30
 Analysis Batch No.: 421443

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	26.3
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	7.8
173	Less than 2.0 % of mass 174	1.7 (2.0) 1
174	50.0 - 120.00 % of mass 95	85.8
175	5.0 - 9.0 % of mass 174	5.8 (6.8) 1
176	95.0 - 101.0 % of mass 174	83.3 (97.1) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-421443/7	T0004.D	06/25/2018	16:17
	IC 480-421443/8	T0005.D	06/25/2018	16:40
	IC 480-421443/9	T0006.D	06/25/2018	17:04
	IC 480-421443/10	T0007.D	06/25/2018	17:27
	IC 480-421443/11	T0008.D	06/25/2018	17:51
	ICIS 480-421443/12	T0009.D	06/25/2018	18:15
	IC 480-421443/13	T0010.D	06/25/2018	18:39
	IC 480-421443/14	T0011.D	06/25/2018	19:02

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Lab File ID: T0437.D BFB Injection Date: 07/10/2018
 Instrument ID: HP5975T BFB Injection Time: 08:40
 Analysis Batch No.: 423660

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	27.6
75	30.0 - 60.0 % of mass 95	51.0
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	1.2 (1.5) 1
174	50.0 - 120.00 % of mass 95	83.4
175	5.0 - 9.0 % of mass 174	6.7 (8.0) 1
176	95.0 - 101.0 % of mass 174	82.9 (99.4) 1
177	5.0 - 9.0 % of mass 176	5.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-423660/3	T0438.D	07/10/2018	09:14
	LCS 480-423660/5	T0440.D	07/10/2018	10:18
	MB 480-423660/7	T0442.D	07/10/2018	12:11
OW-01 070618 DL	480-138526-1 DL	T0449.D	07/10/2018	17:03
OW-04 070618	480-138526-7	T0456.D	07/10/2018	19:49
OW-01 070618 MS DL	480-138526-1 MS DL	T0457.D	07/10/2018	20:13
OW-01 070618 MSD DL	480-138526-1 MSD DL	T0458.D	07/10/2018	20:37

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Sample No.: ICIS 480-420621/10 Date Analyzed: 06/20/2018 15:48
 Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): S2511.D Heated Purge: (Y/N) N
 Calibration ID: 34116

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	197139	5.51	406209	8.51	365129	10.89	
UPPER LIMIT	394278	6.01	812418	9.01	730258	11.39	
LOWER LIMIT	98570	5.01	203105	8.01	182565	10.39	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-423625/2		159630	5.51	326812	8.51	300055	10.89

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 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.: 480-138526-1
 SDG No.: _____
 Sample No.: CCVIS 480-423625/2 Date Analyzed: 07/09/2018 19:03
 Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): S3277.D Heated Purge: (Y/N) N
 Calibration ID: 34119

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		159630	5.51	326812	8.51	300055	10.89
UPPER LIMIT		319260	6.01	653624	9.01	600110	11.39
LOWER LIMIT		79815	5.01	163406	8.01	150028	10.39
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-423625/4		164292	5.52	325317	8.51	307873	10.89
MB 480-423625/6		152444	5.51	315791	8.51	284243	10.89
480-138526-1	OW-01 070618	153380	5.51	309448	8.51	270967	10.89
480-138526-2	OW-02 070618	152454	5.51	307120	8.51	279063	10.89
480-138526-3	OW-03 070618	148838	5.51	307734	8.51	265740	10.89
480-138526-4	OW-04/08 070618	152116	5.51	306016	8.51	271528	10.89
480-138526-5	OW-05 070618	148154	5.51	301210	8.51	278218	10.89
480-138526-6	OW-07 070618	151107	5.51	300363	8.51	268465	10.89
480-138526-8	OW-09 070618	147856	5.51	298599	8.51	273105	10.89
480-138526-9	BLIND DUP	149421	5.51	303726	8.51	275238	10.89
480-138526-1 MS	OW-01 070618 MS	157163	5.52	321479	8.51	293725	10.89
480-138526-1 MSD	OW-01 070618 MSD	158534	5.51	315984	8.51	291564	10.89

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 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.: 480-138526-1
 SDG No.: _____
 Sample No.: ICIS 480-421443/12 Date Analyzed: 06/25/2018 18:15
 Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): T0009.D Heated Purge: (Y/N) N
 Calibration ID: 34188

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		189632	4.88	779536	7.18	435444	9.04
UPPER LIMIT		379264	5.38	1559072	7.68	870888	9.54
LOWER LIMIT		94816	4.38	389768	6.68	217722	8.54
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCVIS 480-423660/3		178764	4.88	761412	7.18	440188	9.05

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 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.: 480-138526-1
 SDG No.: _____
 Sample No.: CCVIS 480-423660/3 Date Analyzed: 07/10/2018 09:14
 Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): T0438.D Heated Purge: (Y/N) N
 Calibration ID: 34191

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		178764	4.88	761412	7.18	440188	9.05
UPPER LIMIT		357528	5.38	1522824	7.68	880376	9.55
LOWER LIMIT		89382	4.38	380706	6.68	220094	8.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-423660/5		178010	4.88	770074	7.18	447590	9.05
MB 480-423660/7		183438	4.88	747018	7.18	430891	9.05
480-138526-1 DL	OW-01 070618 DL	176177	4.88	732784	7.18	422474	9.05
480-138526-7	OW-04 070618	170968	4.88	727458	7.17	408214	9.05
480-138526-1 MS DL	OW-01 070618 MS DL	169877	4.88	731134	7.17	436631	9.05
480-138526-1 MSD DL	OW-01 070618 MSD DL	174646	4.88	738248	7.17	435995	9.04

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-01 070618</u>	Lab Sample ID: <u>480-138526-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3289.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 00:15</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423625</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	7.4		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	1.5		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	53	F2 F1	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Client Sample ID: OW-01 070618 Lab Sample ID: 480-138526-1
 Matrix: Water Lab File ID: S3289.D
 Analysis Method: 8260C Date Collected: 07/06/2018 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 00:15
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 423625 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	370	E	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	17		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Client Sample ID: OW-01 070618 Lab Sample ID: 480-138526-1
Matrix: Water Lab File ID: S3289.D
Analysis Method: 8260C Date Collected: 07/06/2018 00:00
Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 00:15
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 423625 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3289.D
 Lims ID: 480-138526-A-1
 Client ID: OW-01 070618
 Sample Type: Client
 Inject. Date: 10-Jul-2018 00:15:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138526-A-1
 Misc. Info.: 480-0072956-015
 Operator ID: kn Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 10:23:42 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: carrolln

Date: 10-Jul-2018 10:25:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	153380	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	309448	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	97	270967	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	58	189197	25.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	97	123082	25.6	
\$ 5 Toluene-d8 (Surr)	98	7.024	7.019	0.006	94	754078	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	88	228393	24.7	
10 Dichlorodifluoromethane	85		1.282				ND	
12 Chloromethane	50		1.470				ND	
13 Vinyl chloride	62	1.549	1.549	0.000	81	177686	17.0	
14 Bromomethane	94		1.872				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.194				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.705				ND	
22 1,1-Dichloroethene	96		2.717				ND	
23 Acetone	43		2.851				ND	
26 Carbon disulfide	76		2.924				ND	
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.259				ND	
32 Methyl tert-butyl ether	73		3.454				ND	
34 trans-1,2-Dichloroethene	96	3.478	3.472	0.006	57	3304	0.4261	
39 1,1-Dichloroethane	63	3.904	3.898	0.006	75	23885	1.46	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	84	474840	53.3	
43 2-Butanone (MEK)	43		4.494				ND	
50 Chloroform	83		4.774				ND	
51 1,1,1-Trichloroethane	97	4.883	4.889	0.006	87	78516	7.39	
52 Cyclohexane	56		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78		5.236				ND	
58 1,2-Dichloroethane	62		5.309				ND	
62 Trichloroethene	95	5.850	5.850	0.000	97	3144940	374.6	E

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.960				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.806				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.946				ND	
74 Toluene	92		7.092				ND	
77 trans-1,3-Dichloropropene	75		7.377				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.615				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.961				ND	
84 Ethylene Dibromide	107		8.071				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91		8.631				ND	
90 m-Xylene & p-Xylene	106		8.752				ND	
91 o-Xylene	106		9.178				ND	
92 Styrene	104		9.209				ND	
95 Bromoform	173		9.464				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.827				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

S_8260_IS_00294	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00276	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180709-72956.b\\S3289.D

Injection Date: 10-Jul-2018 00:15:30

Instrument ID: HP5973S

Operator ID: kn

Lims ID: 480-138526-A-1

Lab Sample ID: 480-138526-1

Worklist Smp#: 15

Client ID: OW-01 070618

Purge Vol: 5.000 mL

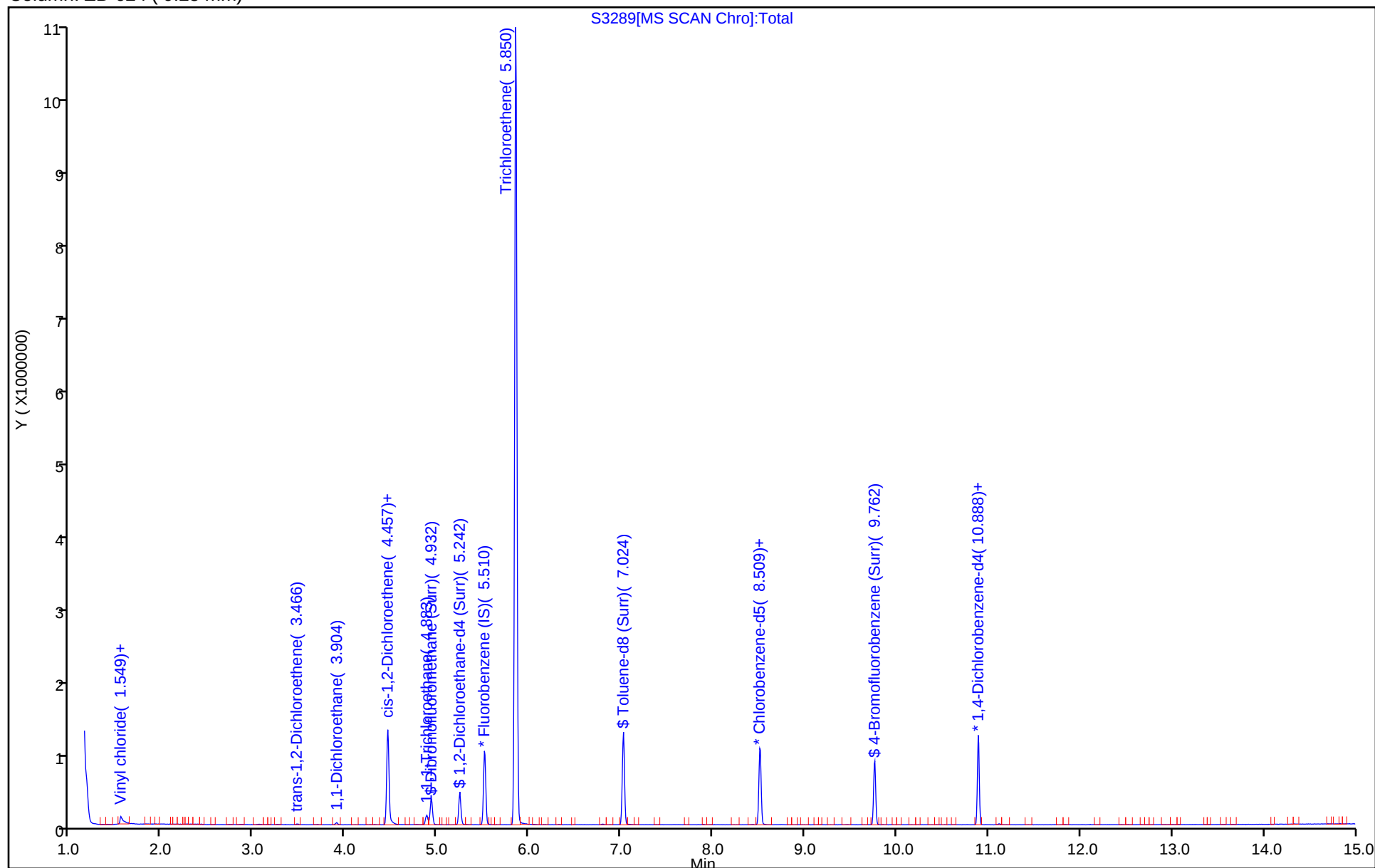
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3289.D

Injection Date: 10-Jul-2018 00:15:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-1

Lab Sample ID: 480-138526-1

Client ID: OW-01 070618

Operator ID: kn

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 5.000 mL

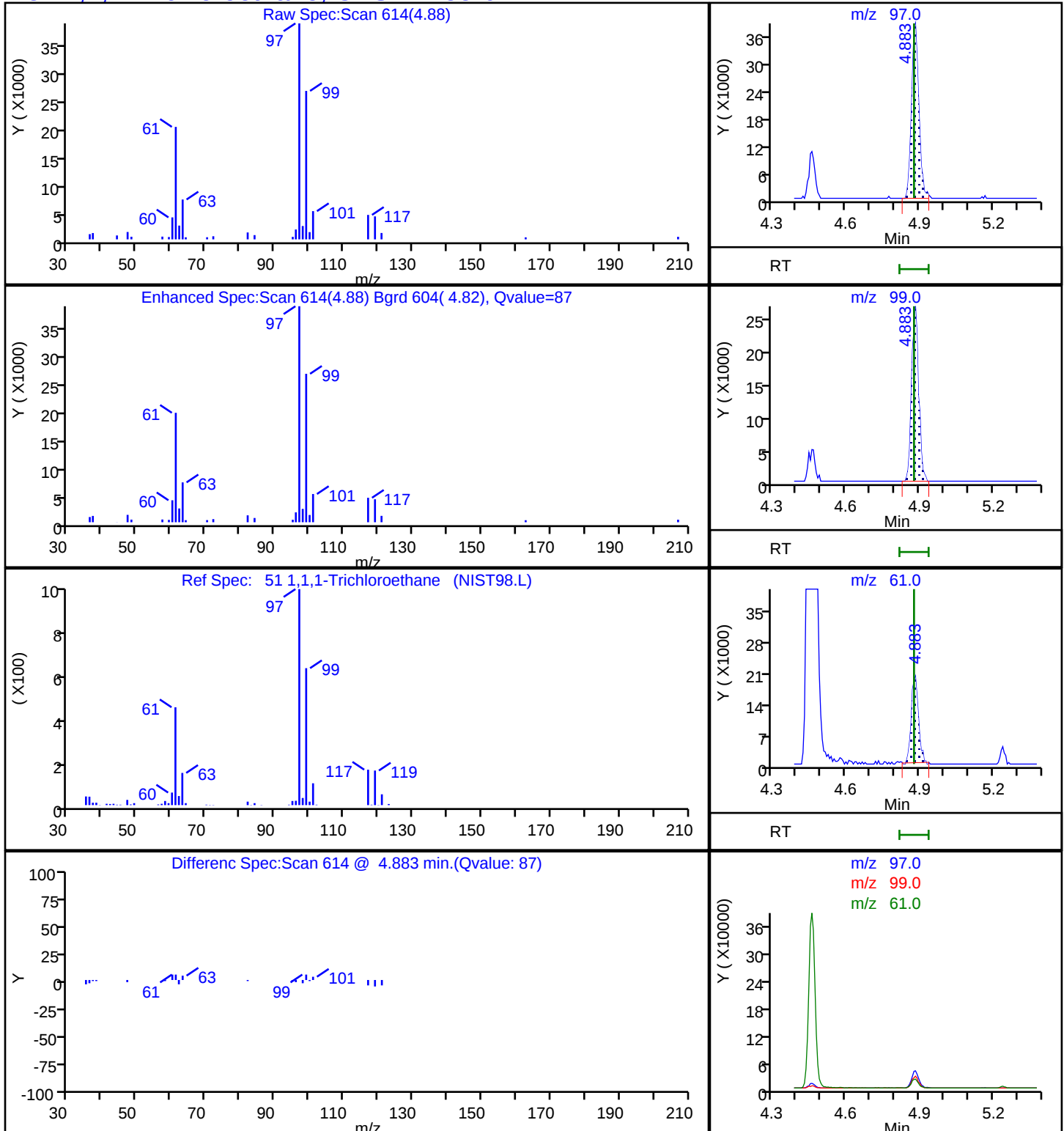
Dil. Factor: 1.0000

Method: S-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: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3289.D

Injection Date: 10-Jul-2018 00:15:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-1

Lab Sample ID: 480-138526-1

Client ID: OW-01 070618

Operator ID: kn

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 5.000 mL

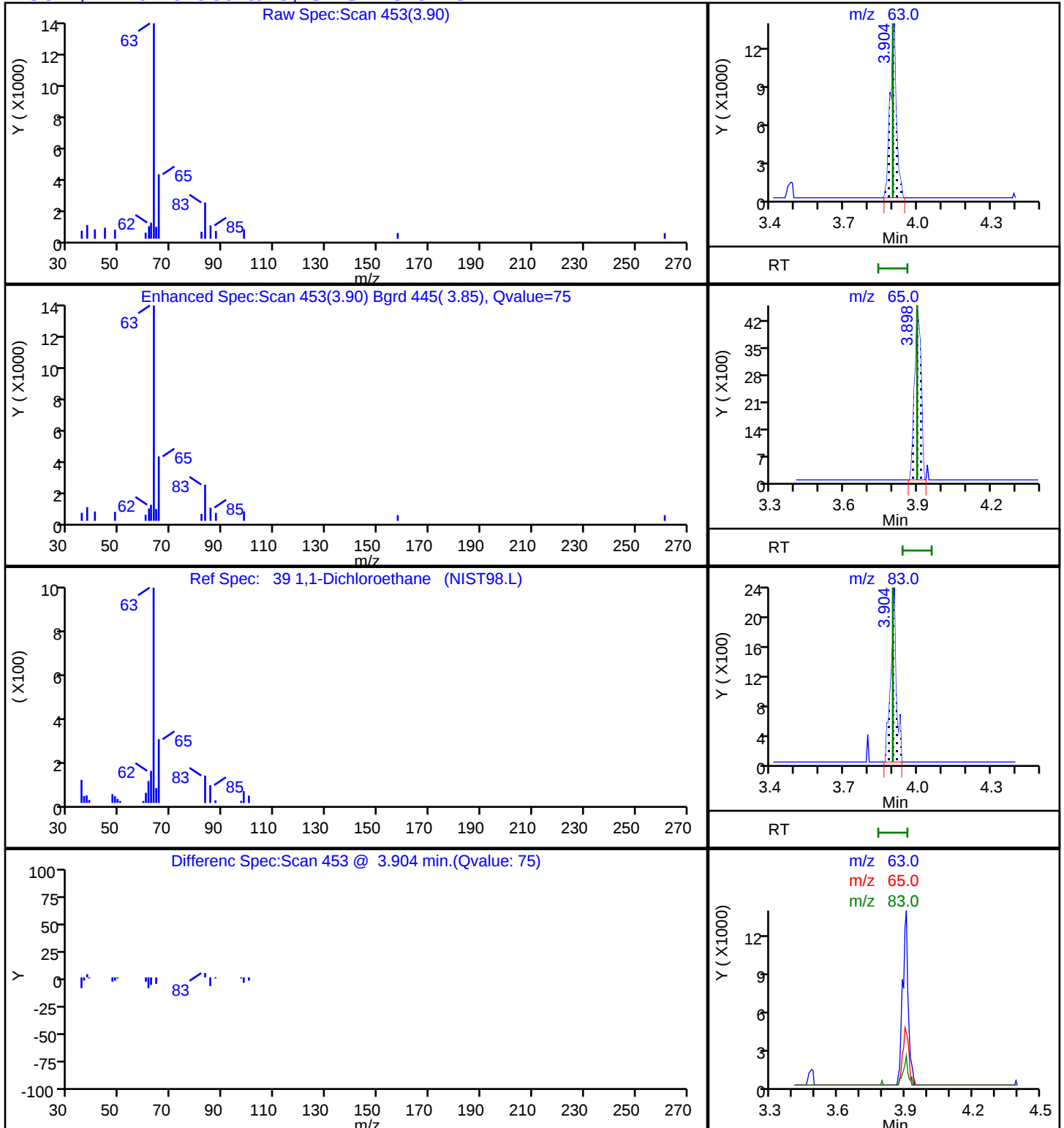
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3289.D

Injection Date: 10-Jul-2018 00:15:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-1

Lab Sample ID: 480-138526-1

Client ID: OW-01 070618

Operator ID: kn

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 5.000 mL

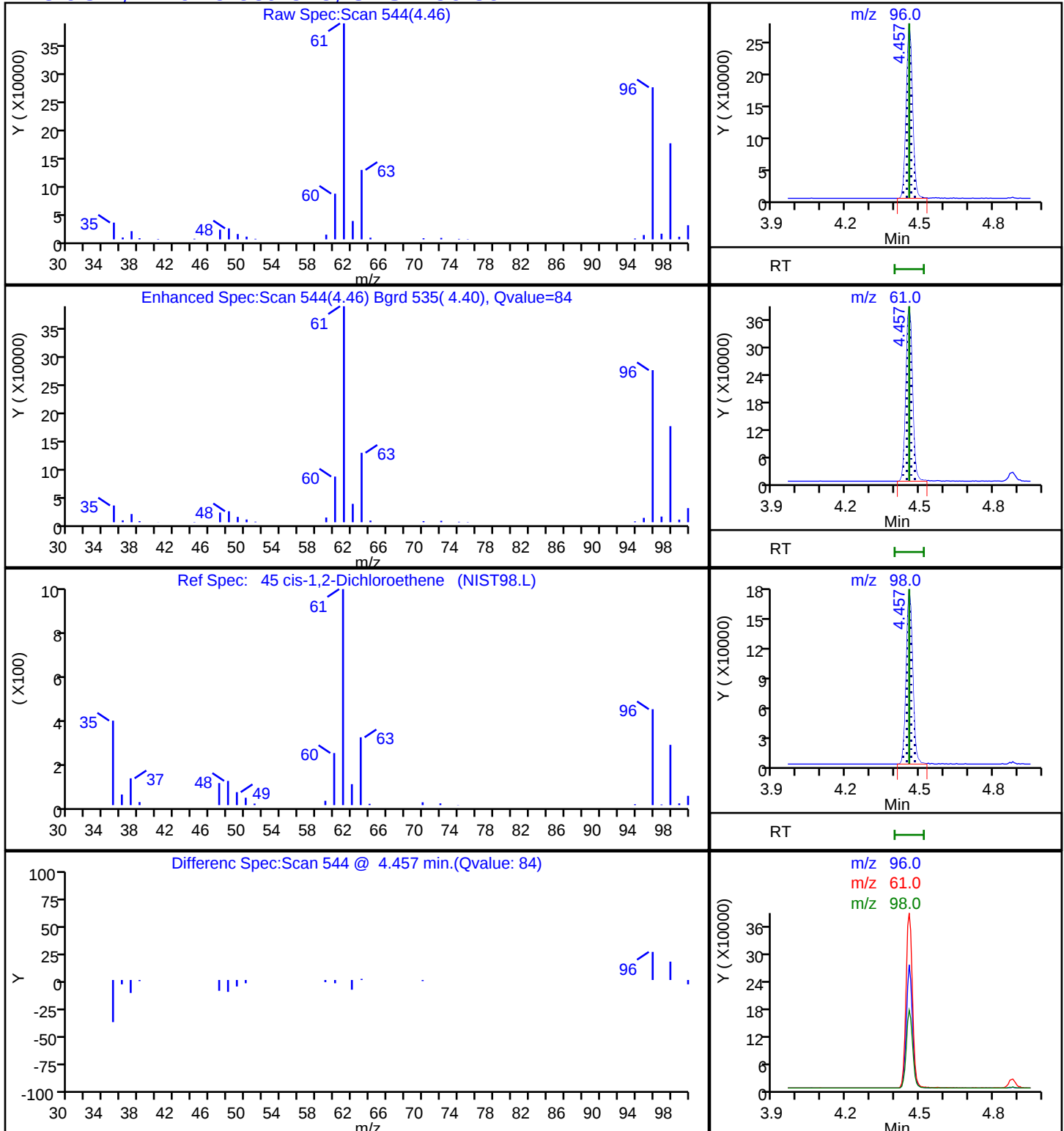
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3289.D

Injection Date: 10-Jul-2018 00:15:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-1

Lab Sample ID: 480-138526-1

Client ID: OW-01 070618

Operator ID: kn

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 5.000 mL

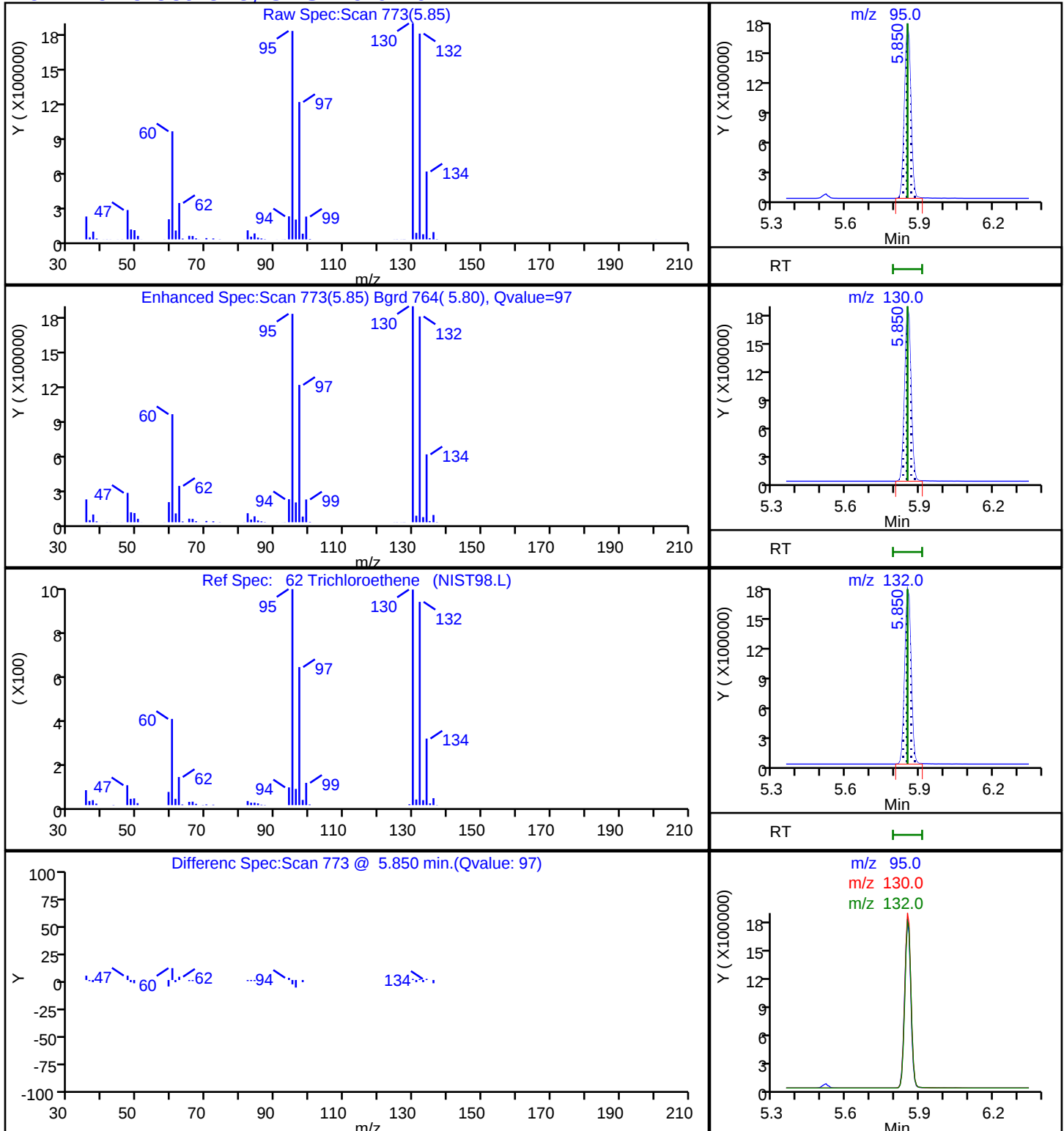
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3289.D

Injection Date: 10-Jul-2018 00:15:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-1

Lab Sample ID: 480-138526-1

Client ID: OW-01 070618

Operator ID: kn

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 5.000 mL

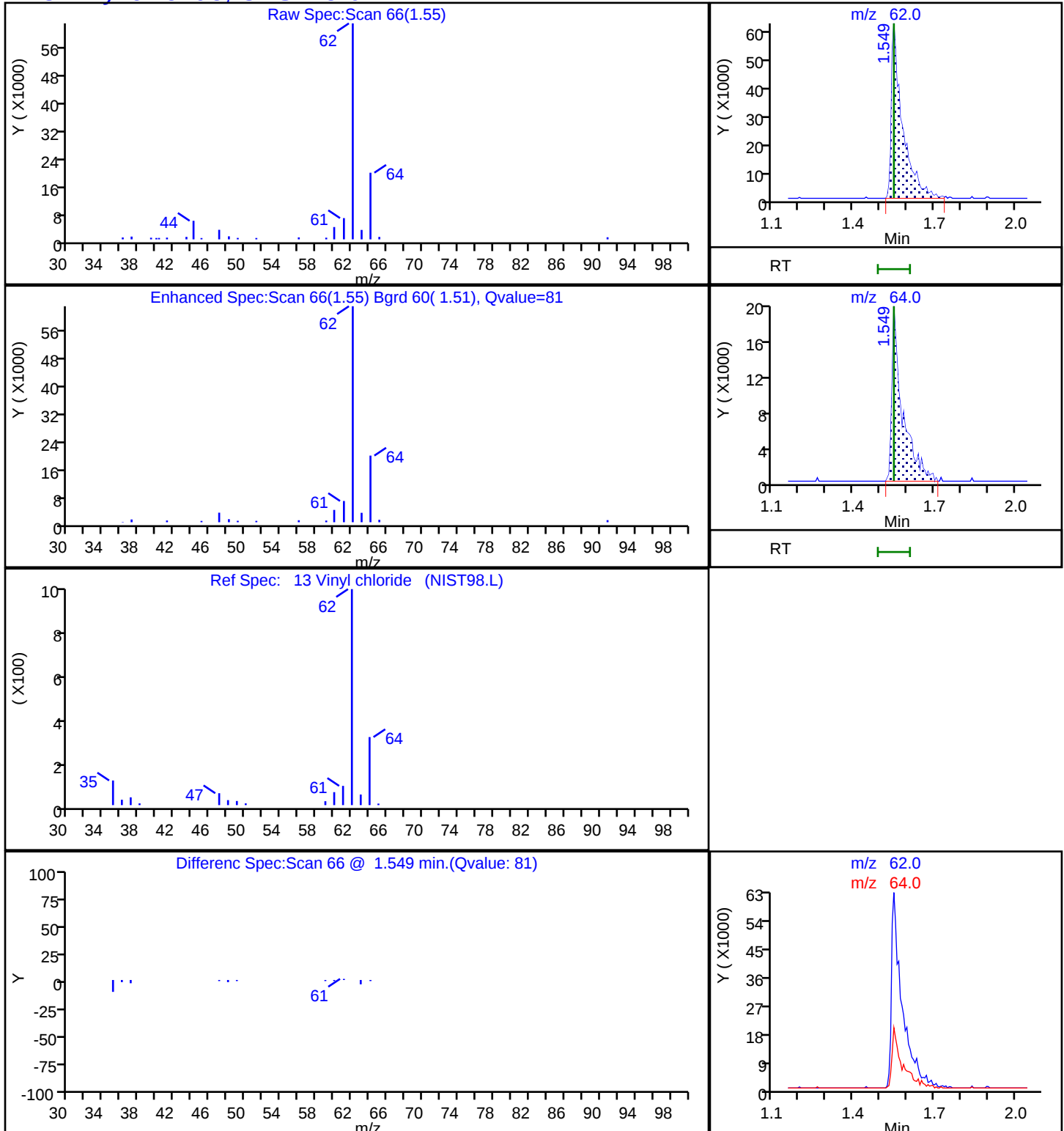
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-01 070618 DL</u>	Lab Sample ID: <u>480-138526-1 DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>T0449.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 17:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423660</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	F1	10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
75-34-3	1,1-Dichloroethane	ND		10	3.8
75-35-4	1,1-Dichloroethene	ND	F2	10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	ND		100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND	F2	10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
124-48-1	Dibromochloromethane	ND		10	3.2
75-00-3	Chloroethane	ND	F2	10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND	F2	10	3.5
156-59-2	cis-1,2-Dichloroethene	53		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
75-71-8	Dichlorodifluoromethane	ND	F1	10	6.8
100-41-4	Ethylbenzene	ND		10	7.4
106-93-4	1,2-Dibromoethane	ND		10	7.3
98-82-8	Isopropylbenzene	ND		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Client Sample ID: OW-01 070618 DL Lab Sample ID: 480-138526-1 DL
 Matrix: Water Lab File ID: T0449.D
 Analysis Method: 8260C Date Collected: 07/06/2018 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 17:03
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 423660 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	440	F1	10	4.6
75-69-4	Trichlorofluoromethane	ND	F2	10	8.8
75-01-4	Vinyl chloride	17	F2	10	9.0
1330-20-7	Xylenes, Total	ND		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Client Sample ID: OW-01 070618 DL Lab Sample ID: 480-138526-1 DL
Matrix: Water Lab File ID: T0449.D
Analysis Method: 8260C Date Collected: 07/06/2018 00:00
Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 17:03
Soil Aliquot Vol: _____ Dilution Factor: 10
Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 423660 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0449.D
 Lims ID: 480-138526-B-1
 Client ID: OW-01 070618
 Sample Type: Client
 Inject. Date: 10-Jul-2018 17:03:30 ALS Bottle#: 14 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-138526-b-1
 Misc. Info.: 480-0072965-024
 Operator ID: ZV Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 19:31:01 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK014

First Level Reviewer: milligana

Date: 10-Jul-2018 19:33:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	97	176177	25.0	
* 2 Chlorobenzene-d5	117	7.180	7.180	0.000	89	732784	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.046	9.046	0.000	96	422474	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	92	228693	26.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	300402	27.6	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.051	0.000	95	762953	24.1	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.113	0.000	0	252374	26.0	
11 Dichlorodifluoromethane	85		1.232				ND	
12 Chlorodifluoromethane	51		1.263				ND	U
13 Chloromethane	50		1.418				ND	
14 Vinyl chloride	62	1.491	1.491	0.000	95	20838	1.69	
151 Butadiene	54		1.501				ND	
15 Bromomethane	94		1.781				ND	
16 Chloroethane	64		1.854				ND	
17 Trichlorofluoromethane	101		2.061				ND	
18 Dichlorofluoromethane	67		2.071				ND	
148 Ethanol	45		2.320				ND	
19 Ethyl ether	59		2.320				ND	
84 Propene oxide	58		2.413				ND	
21 Acrolein	56		2.496				ND	
22 1,1-Dichloroethene	96		2.538				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.548				ND	
23 Acetone	43	2.641	2.641	0.000	67	4920	1.55	
24 Iodomethane	142		2.683				ND	
25 Carbon disulfide	76		2.714				ND	
26 Isopropyl alcohol	45	2.817	2.838	-0.021	69	3281	5.34	
27 3-Chloro-1-propene	41		2.869				ND	
28 Methyl acetate	43		2.911				ND	
29 Acetonitrile	40		2.931				ND	
30 Methylene Chloride	84		3.004				ND	
31 2-Methyl-2-propanol	59		3.159				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73		3.180				ND	
32 trans-1,2-Dichloroethene	96		3.190				ND	
34 Acrylonitrile	53		3.253				ND	
35 Hexane	57		3.356				ND	
36 1,1-Dichloroethane	63		3.564				ND	
37 Isopropyl ether	45		3.574				ND	
39 Vinyl acetate	43		3.595				ND	
38 2-Chloro-1,3-butadiene	53		3.605				ND	
139 Halothane	117		3.605				ND	
40 1,1-Dimethoxyethane	75		3.636				ND	
41 Tert-butyl ethyl ether	59		3.864				ND	
42 2,2-Dichloropropane	77		4.009				ND	
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	85	61498	5.35	
45 Ethyl acetate	43		4.061				ND	
44 2-Butanone (MEK)	43		4.061				ND	
46 Propionitrile	54		4.144				ND	
47 Chlorobromomethane	128		4.227				ND	
49 Methacrylonitrile	41		4.237				ND	
48 Tetrahydrofuran	42		4.237				ND	
50 Chloroform	83		4.289				ND	
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	91	11604	0.7913	
52 Cyclohexane	56		4.393				ND	
53 Carbon tetrachloride	117		4.496				ND	
54 1,1-Dichloropropene	75		4.496				ND	
152 Isooctane	57		4.652				ND	
56 Isobutyl alcohol	43		4.662				ND	
55 Benzene	78		4.662				ND	
57 1,2-Dichloroethane	62		4.724				ND	
58 Tert-amyl methyl ether	73		4.724				ND	
147 t-Amyl alcohol	59		4.724				ND	
59 n-Heptane	43		4.797				ND	
1 1,4-Difluorobenzene	114		4.963				ND	
141 2,4,4-Trimethyl-1-pentene	55		5.056				ND	
60 Trichloroethene	95	5.149	5.149	0.000	92	436731	43.7	
61 n-Butanol	56		5.159				ND	
140 2,4,4-Trimethyl-2-pentene	97		5.232				ND	
142 Ethyl acrylate	55		5.242				ND	
62 Methylcyclohexane	83		5.242				ND	
63 1,2-Dichloropropane	63		5.336				ND	
64 Methyl methacrylate	41		5.398				ND	
66 1,4-Dioxane	88		5.450				ND	
65 Dibromomethane	93		5.450				ND	
67 Dichlorobromomethane	83		5.564				ND	
68 2-Nitropropane	43		5.761				ND	
69 2-Chloroethyl vinyl ether	63		5.771				ND	
70 Epichlorohydrin	57		5.843				ND	
71 cis-1,3-Dichloropropene	75		5.885				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.989				ND	
73 Toluene	92		6.103				ND	
74 2-Methylthiophene	97		6.206				ND	
75 trans-1,3-Dichloropropene	75		6.310				ND	
77 Ethyl methacrylate	69		6.330				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
76 3-Methylthiophene	97		6.331				ND	
78 1,1,2-Trichloroethane	83		6.465				ND	
79 Tetrachloroethene	166		6.507				ND	
80 1,3-Dichloropropane	76		6.579				ND	
81 2-Hexanone	43		6.621				ND	
155 n-Butyl acetate	43		6.693				ND	
82 Chlorodibromomethane	129		6.766				ND	
83 Ethylene Dibromide	107		6.849				ND	
146 1-Chlorohexane	55		7.149				ND	
85 3-Chlorobenzotrifluoride	180		7.160				ND	
87 4-Chlorobenzotrifluoride	180		7.201				ND	
86 Chlorobenzene	112		7.201				ND	
88 Ethylbenzene	91		7.253				ND	
89 1,1,1,2-Tetrachloroethane	131		7.263				ND	
90 m-Xylene & p-Xylene	106		7.346				ND	
91 o-Xylene	106		7.667				ND	
92 Styrene	104		7.688				ND	
93 Bromoform	173		7.885				ND	
94 2-Chlorobenzotrifluoride	180		7.895				ND	
95 Isopropylbenzene	105		7.947				ND	
96 Cyclohexanone	55		8.092				ND	U
97 Bromobenzene	156		8.227				ND	
98 1,1,2,2-Tetrachloroethane	83		8.258				ND	
99 N-Propylbenzene	91		8.279				ND	
101 trans-1,4-Dichloro-2-buten	53		8.299				ND	
100 1,2,3-Trichloropropane	110		8.299				ND	
105 2-Chlorotoluene	126		8.372				ND	
104 1,3,5-Trimethylbenzene	105		8.413				ND	
103 3-Chlorotoluene	126		8.424				ND	
102 4-Chlorotoluene	91		8.465				ND	
106 tert-Butylbenzene	134		8.683				ND	
107 1,2,4-Trimethylbenzene	105		8.724				ND	
108 Pentachloroethane	167		8.745				ND	
109 sec-Butylbenzene	105		8.859				ND	
111 4-Isopropyltoluene	119		8.973				ND	
110 1,3-Dichlorobenzene	146		8.983				ND	
112 Dicyclopentadiene	66		9.035				ND	U
113 1,4-Dichlorobenzene	146		9.056				ND	
114 1,2,3-Trimethylbenzene	105		9.077				ND	
150 Benzyl chloride	126		9.191				ND	
115 n-Butylbenzene	91		9.315				ND	
116 1,2-Dichlorobenzene	146		9.377				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.051				ND	
118 1,3,5-Trichlorobenzene	180		10.165				ND	
119 1,2,4-Trichlorobenzene	180		10.693				ND	
120 Hexachlorobutadiene	225		10.797				ND	
121 Naphthalene	128		10.901				ND	
122 1,2,3-Trichlorobenzene	180		11.097				ND	
149 2-Methylnaphthalene	142		11.771				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	OnCol Amt ug/L	Flags
138 cis-1,4-Dichloro-2-butene	88		0.000				ND	
137 Methyl acrylate	1		0.000				ND	
136 Nitrobenzene	77		0.000				ND	
135 Hexachloroethane	117		0.000				ND	
S 123 1,3-Dichloropropene, Total	1		30.000				ND	
S 124 1,2-Dichloroethene, Total	1				0		5.35	
S 125 Total BTEX	1		30.000				ND	
S 126 Xylenes, Total	1		30.000				ND	
S 157 Trihalomethanes, Total	1		0.000				ND	
T 156 1-Chloro-1-fluoroethane TI	47		1.500				ND	
T 130 Bromoethane TIC	1		0.000				ND	
T 133 Pentachloroethane TIC	1		0.000				ND	
T 134 1-Bromopropane	1		0.000				ND	
T 131 tert-amyl alcohol TIC	1		0.000				ND	
T 127 Ethanol TIC	1		0.000				ND	
T 128 Hexachloroethane TIC	117		0.000				ND	
T 10 Ethylene oxide	1		0.000				ND	
T 132 bis(chloromethyl)ether TIC	1		0.000				ND	
T 9 bis(2-chloromethyl)ether T	1		0.000				ND	
T 129 Aziridine TIC	1		0.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_IS_00196

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00173

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0449.D

Injection Date: 10-Jul-2018 17:03:30

Instrument ID: HP5975T

Operator ID: ZV

Lims ID: 480-138526-B-1

Lab Sample ID: 480-138526-1

Worklist Smp#: 24

Client ID: OW-01 070618

Purge Vol: 5.000 mL

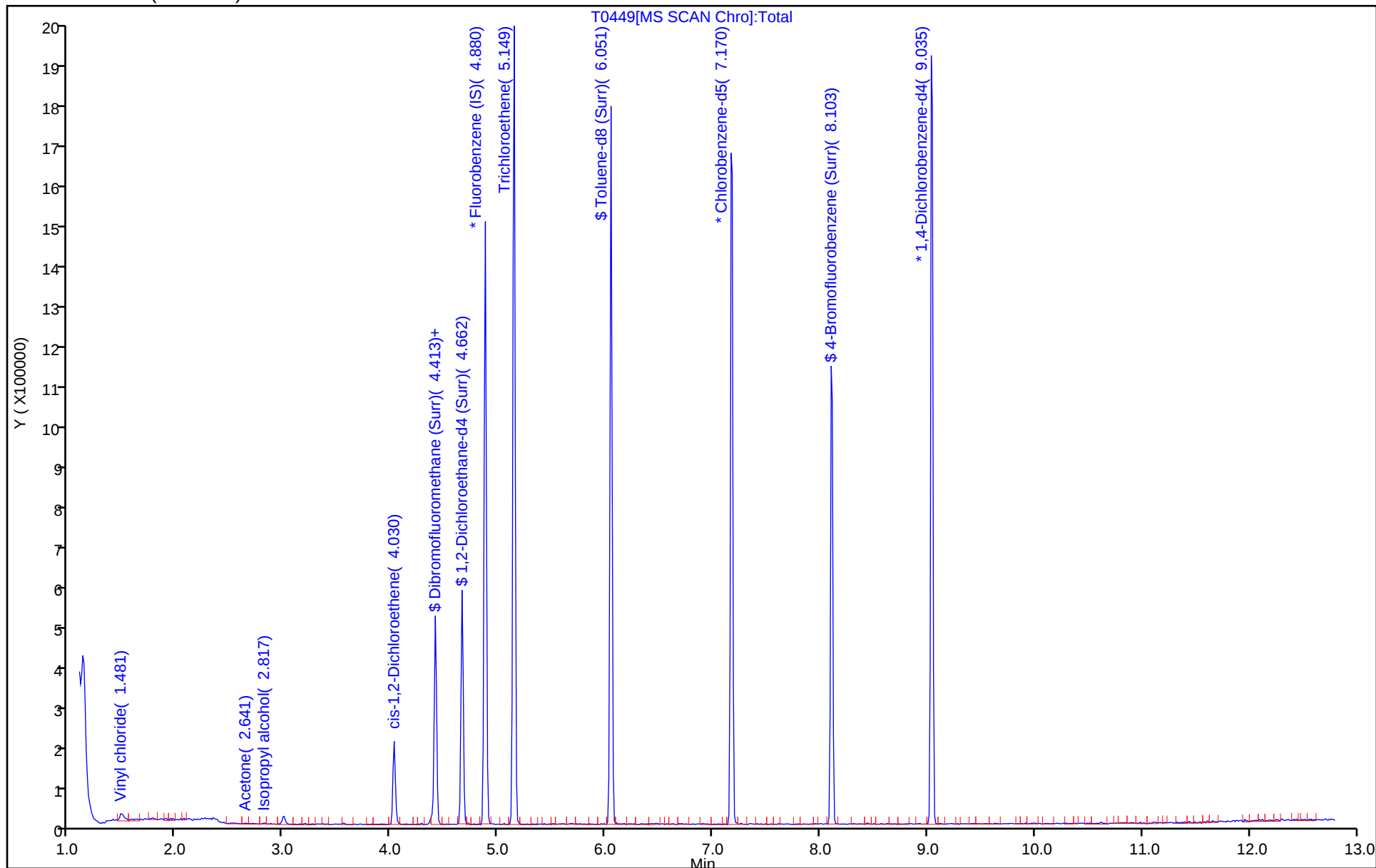
Dil. Factor: 10.0000

ALS Bottle#: 14

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0449.D

Injection Date: 10-Jul-2018 17:03:30

Instrument ID: HP5975T

Lims ID: 480-138526-B-1

Lab Sample ID: 480-138526-1

Client ID: OW-01 070618

Operator ID: ZV

ALS Bottle#: 14

Worklist Smp#: 24

Purge Vol: 5.000 mL

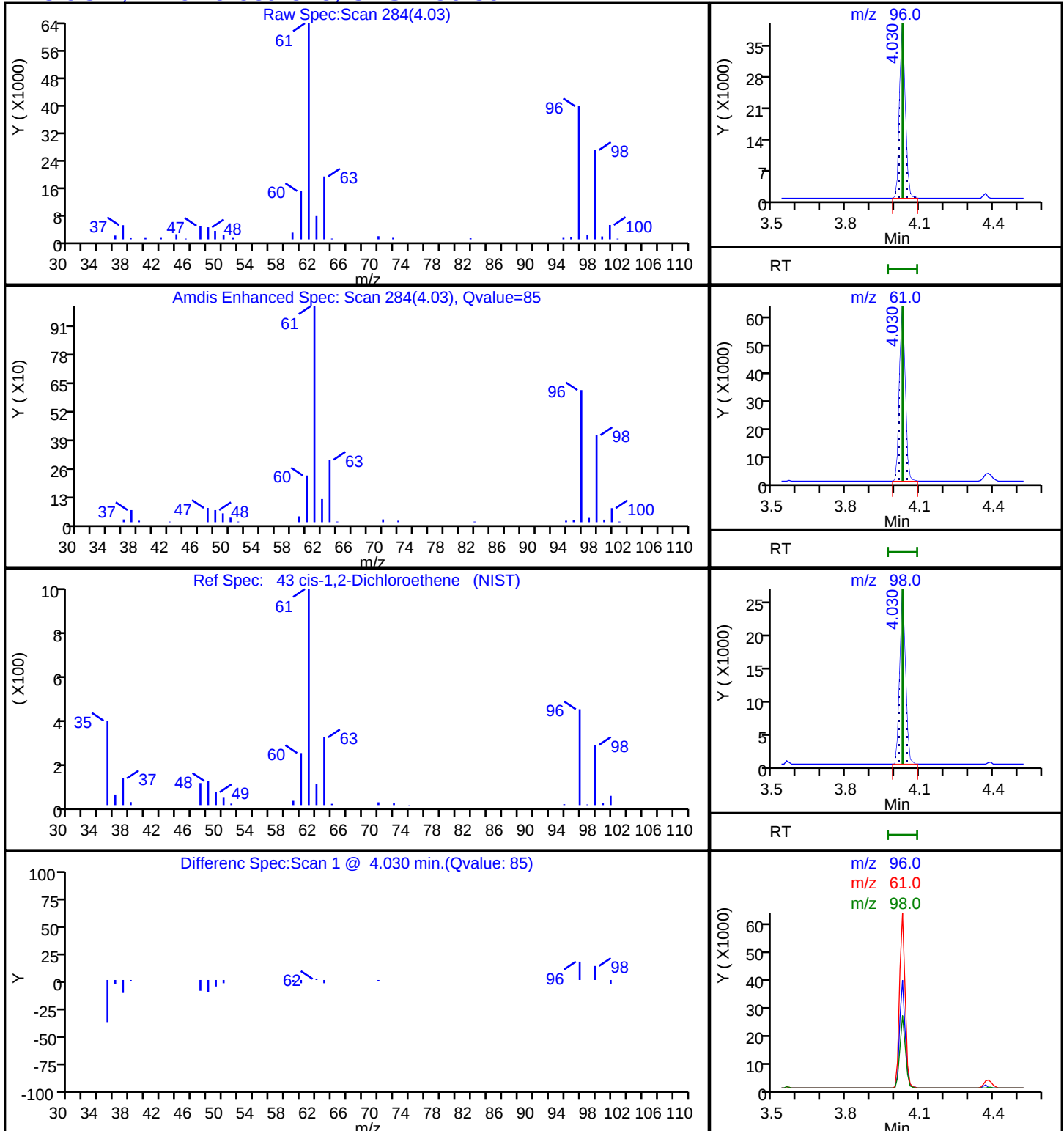
Dil. Factor: 10.0000

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: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0449.D

Injection Date: 10-Jul-2018 17:03:30

Instrument ID: HP5975T

Lims ID: 480-138526-B-1

Lab Sample ID: 480-138526-1

Client ID: OW-01 070618

Operator ID: ZV

ALS Bottle#: 14

Worklist Smp#: 24

Purge Vol: 5.000 mL

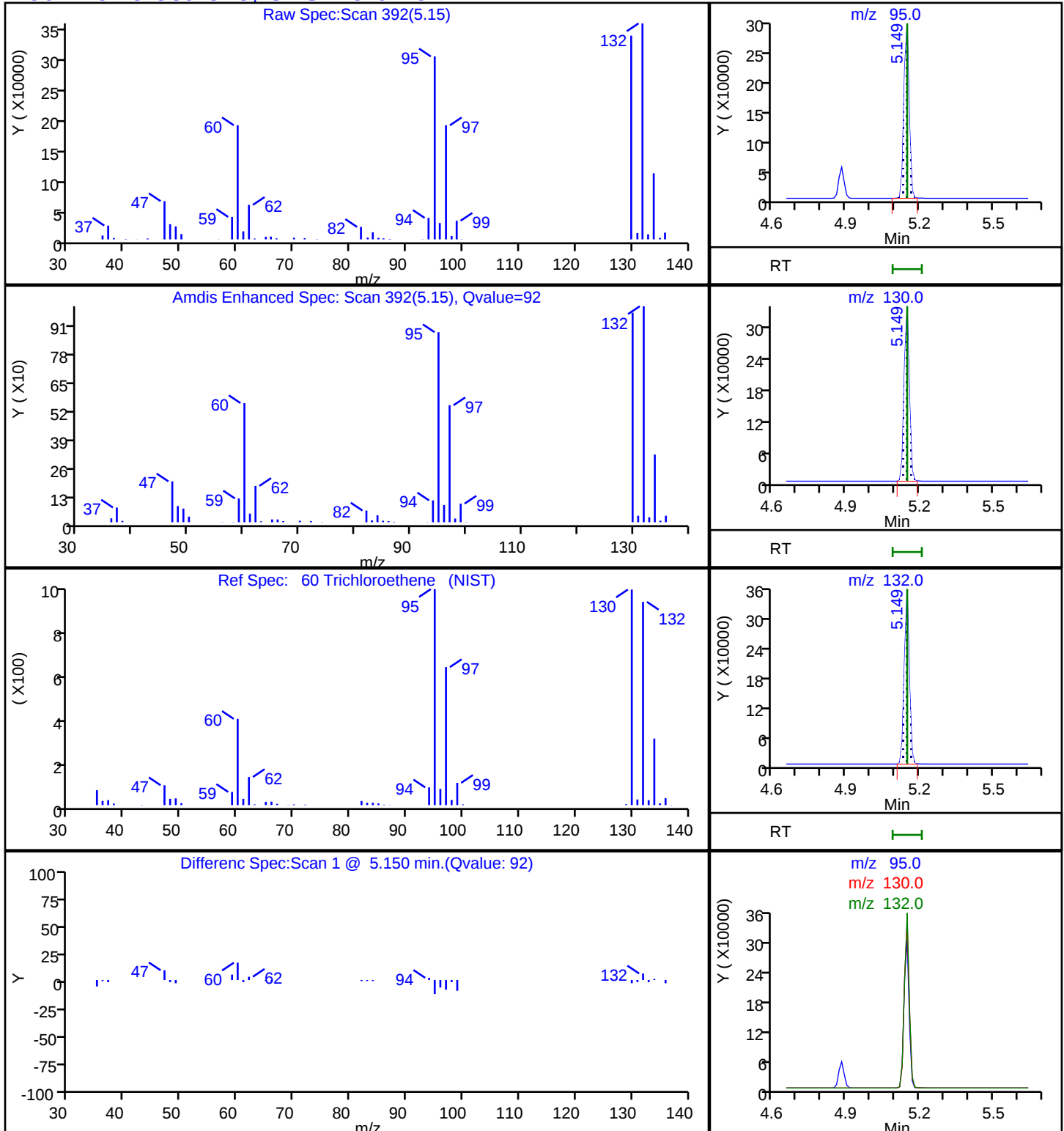
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0449.D

Injection Date: 10-Jul-2018 17:03:30

Instrument ID: HP5975T

Lims ID: 480-138526-B-1

Lab Sample ID: 480-138526-1

Client ID: OW-01 070618

Operator ID: ZV

ALS Bottle#: 14

Worklist Smp#: 24

Purge Vol: 5.000 mL

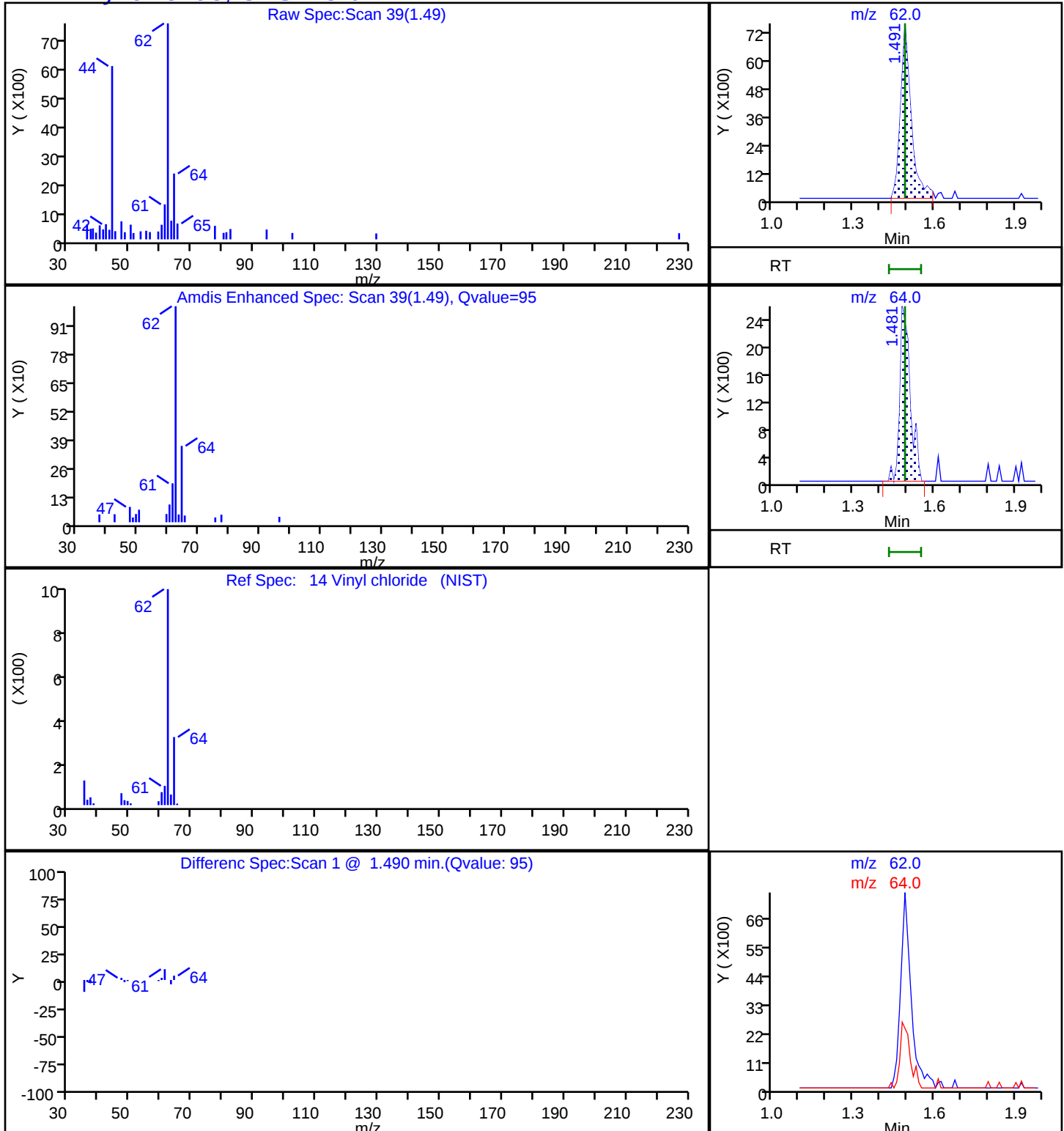
Dil. Factor: 10.0000

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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-02 070618</u>	Lab Sample ID: <u>480-138526-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3290.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 00:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423625</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	3.5	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	3.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-02 070618</u>	Lab Sample ID: <u>480-138526-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3290.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 00:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423625</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	3.3		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Client Sample ID: OW-02 070618 Lab Sample ID: 480-138526-2
Matrix: Water Lab File ID: S3290.D
Analysis Method: 8260C Date Collected: 07/06/2018 00:00
Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 00:38
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 423625 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3290.D
 Lims ID: 480-138526-A-2
 Client ID: OW-02 070618
 Sample Type: Client
 Inject. Date: 10-Jul-2018 00:38:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138526-A-2
 Misc. Info.: 480-0072956-016
 Operator ID: kn Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 10:27:04 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: carrolln

Date: 10-Jul-2018 10:27:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	152454	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	85	307120	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	97	279063	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	55	193588	26.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	96	126926	26.6	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.019	0.007	94	763121	25.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	90	230201	25.1	
10 Dichlorodifluoromethane	85		1.282				ND	
12 Chloromethane	50		1.470				ND	
13 Vinyl chloride	62	1.555	1.549	0.006	36	6936	0.6688	
14 Bromomethane	94		1.872				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.194				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.705				ND	
22 1,1-Dichloroethene	96		2.717				ND	
23 Acetone	43	2.851	2.851	0.000	81	10216	3.48	M
26 Carbon disulfide	76		2.924				ND	
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.259				ND	
32 Methyl tert-butyl ether	73		3.454				ND	
34 trans-1,2-Dichloroethene	96		3.472				ND	
39 1,1-Dichloroethane	63	3.898	3.898	0.000	12	5559	0.3424	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	66	28146	3.18	
43 2-Butanone (MEK)	43		4.494				ND	
50 Chloroform	83		4.774				ND	
51 1,1,1-Trichloroethane	97		4.877				ND	
52 Cyclohexane	56		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78		5.236				ND	
58 1,2-Dichloroethane	62		5.309				ND	
62 Trichloroethene	95	5.844	5.850	-0.006	78	27216	3.26	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.960				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.806				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.946				ND	
74 Toluene	92		7.092				ND	Ua
77 trans-1,3-Dichloropropene	75		7.377				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.615				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.961				ND	
84 Ethylene Dibromide	107		8.071				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91		8.631				ND	
90 m-Xylene & p-Xylene	106		8.752				ND	
91 o-Xylene	106		9.178				ND	
92 Styrene	104		9.209				ND	
95 Bromoform	173		9.464				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.827				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3290.D

Injection Date: 10-Jul-2018 00:38:30

Instrument ID: HP5973S

Operator ID: kn

Lims ID: 480-138526-A-2

Lab Sample ID: 480-138526-2

Worklist Smp#: 16

Client ID: OW-02 070618

Purge Vol: 5.000 mL

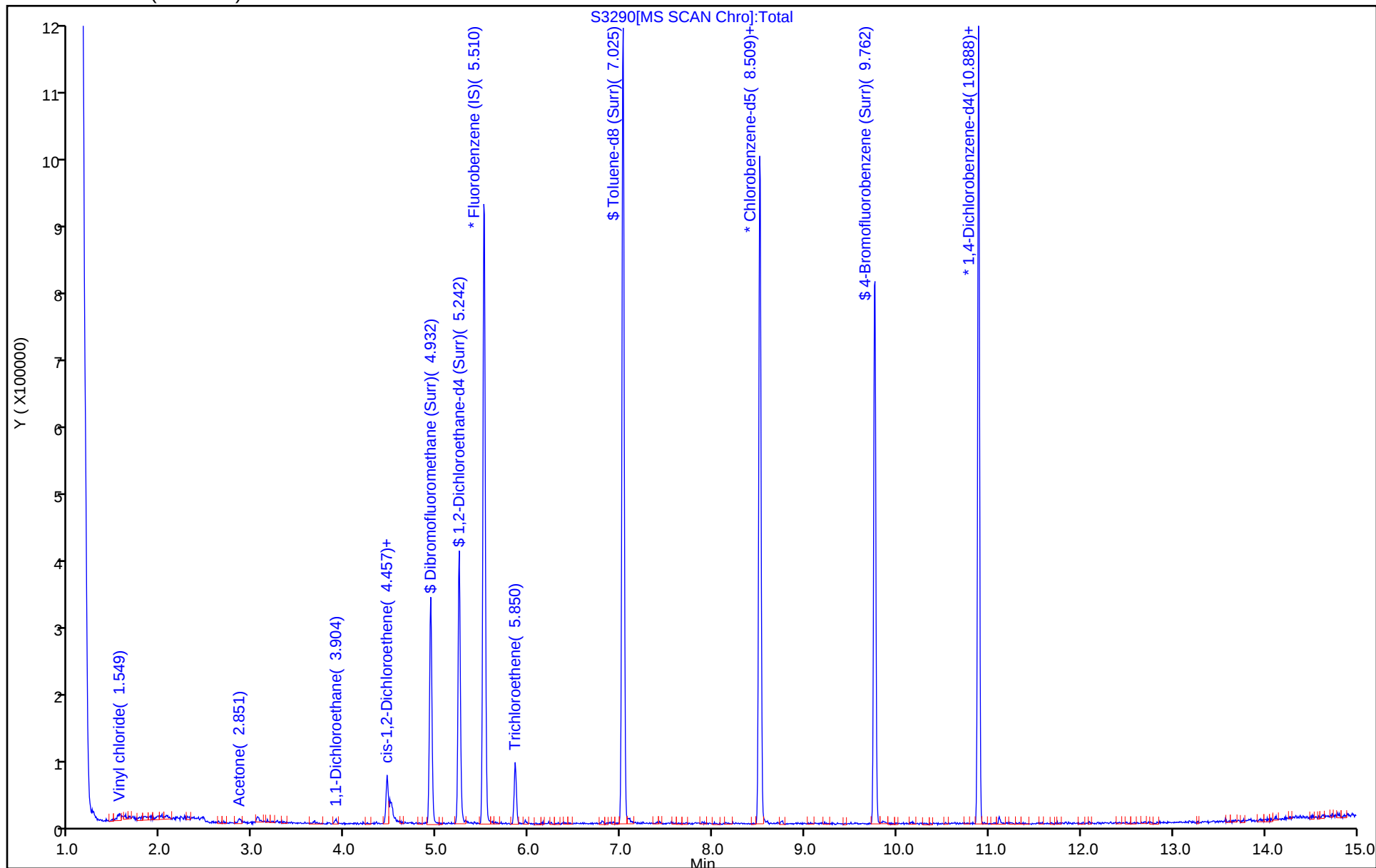
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180709-72956.b\\S3290.D

Injection Date: 10-Jul-2018 00:38:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-2

Lab Sample ID: 480-138526-2

Client ID: OW-02 070618

Operator ID: kn

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 5.000 mL

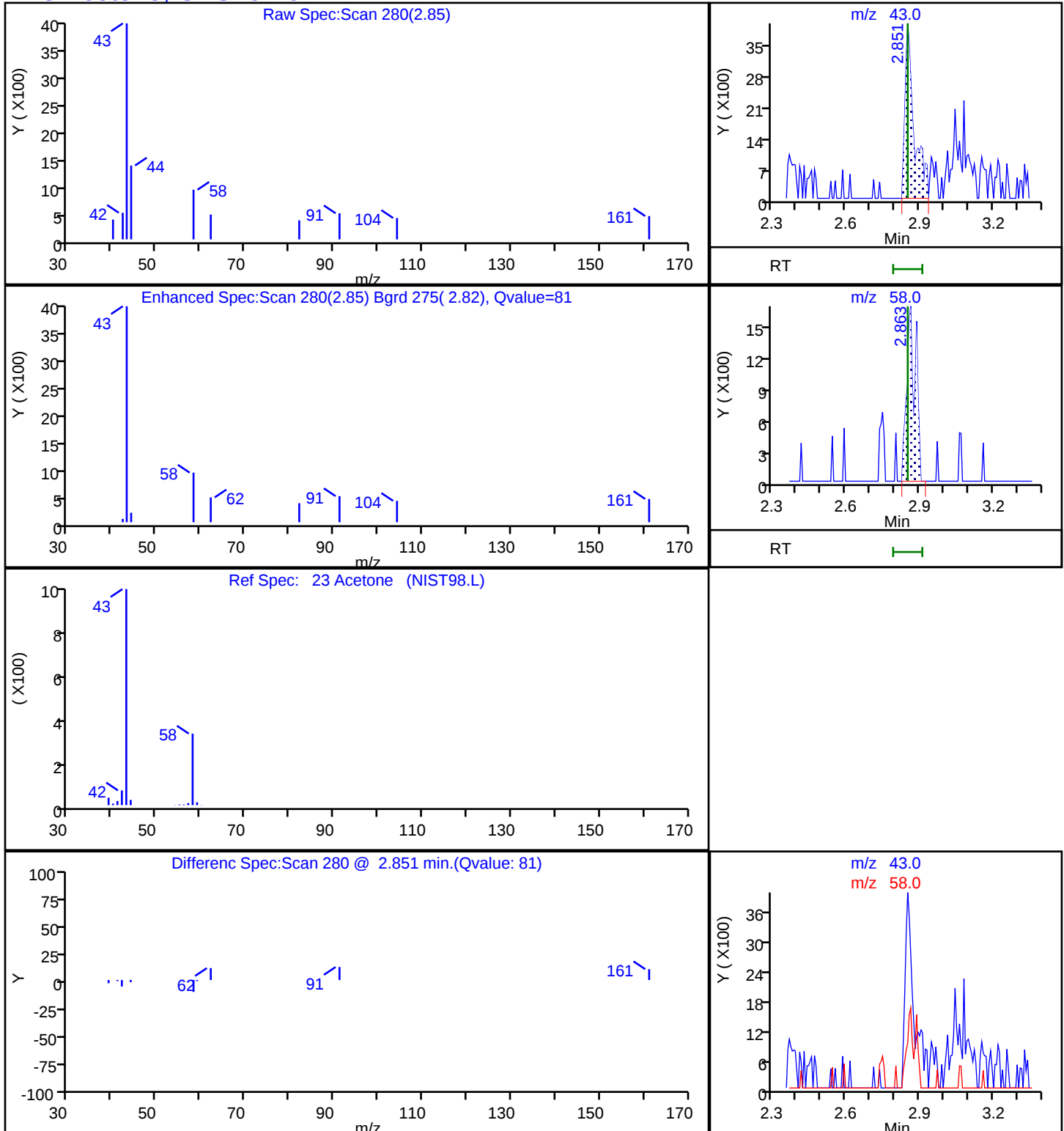
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3290.D

Injection Date: 10-Jul-2018 00:38:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-2

Lab Sample ID: 480-138526-2

Client ID: OW-02 070618

Operator ID: kn

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 5.000 mL

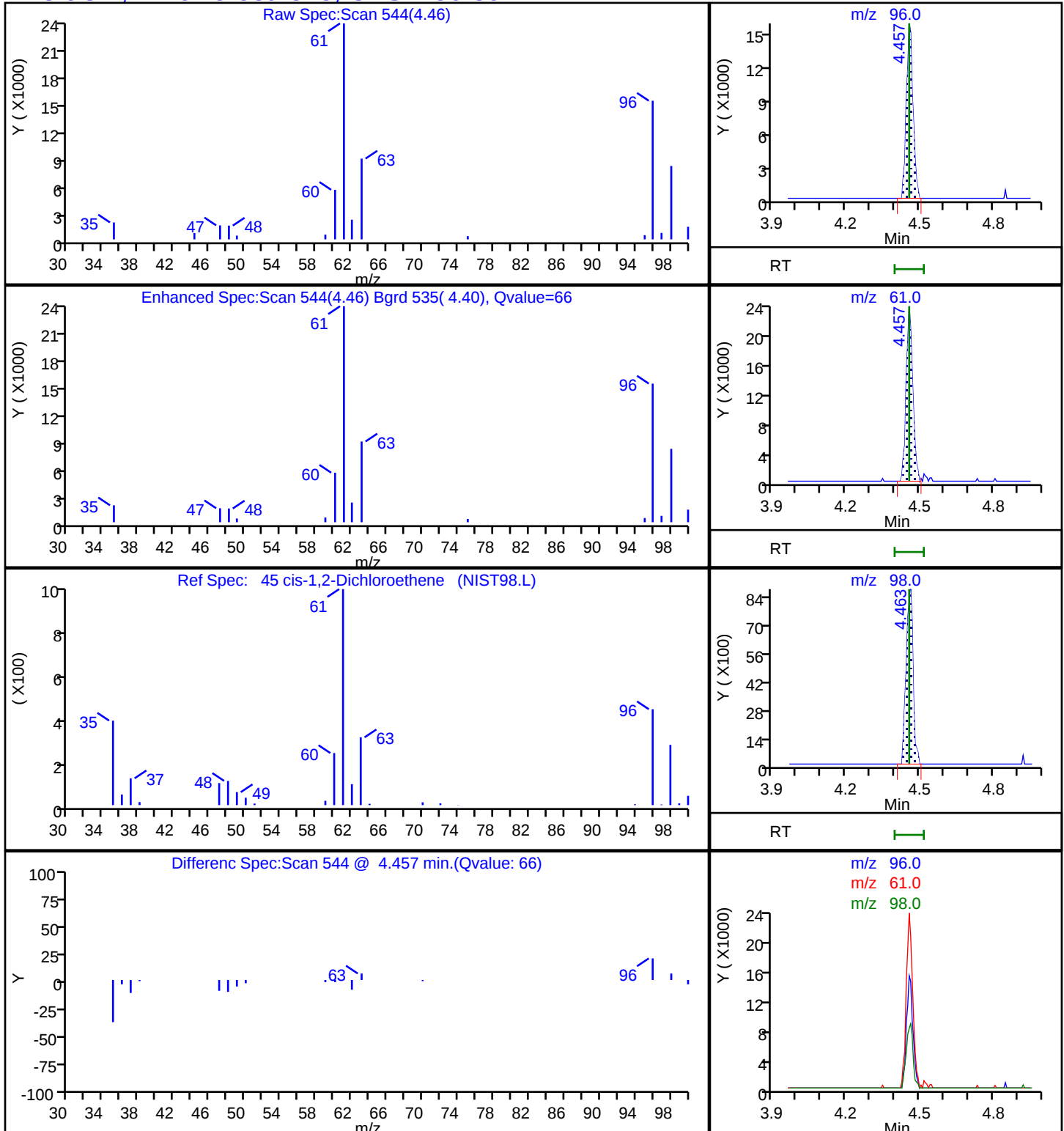
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3290.D

Injection Date: 10-Jul-2018 00:38:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-2

Lab Sample ID: 480-138526-2

Client ID: OW-02 070618

Operator ID: kn

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 5.000 mL

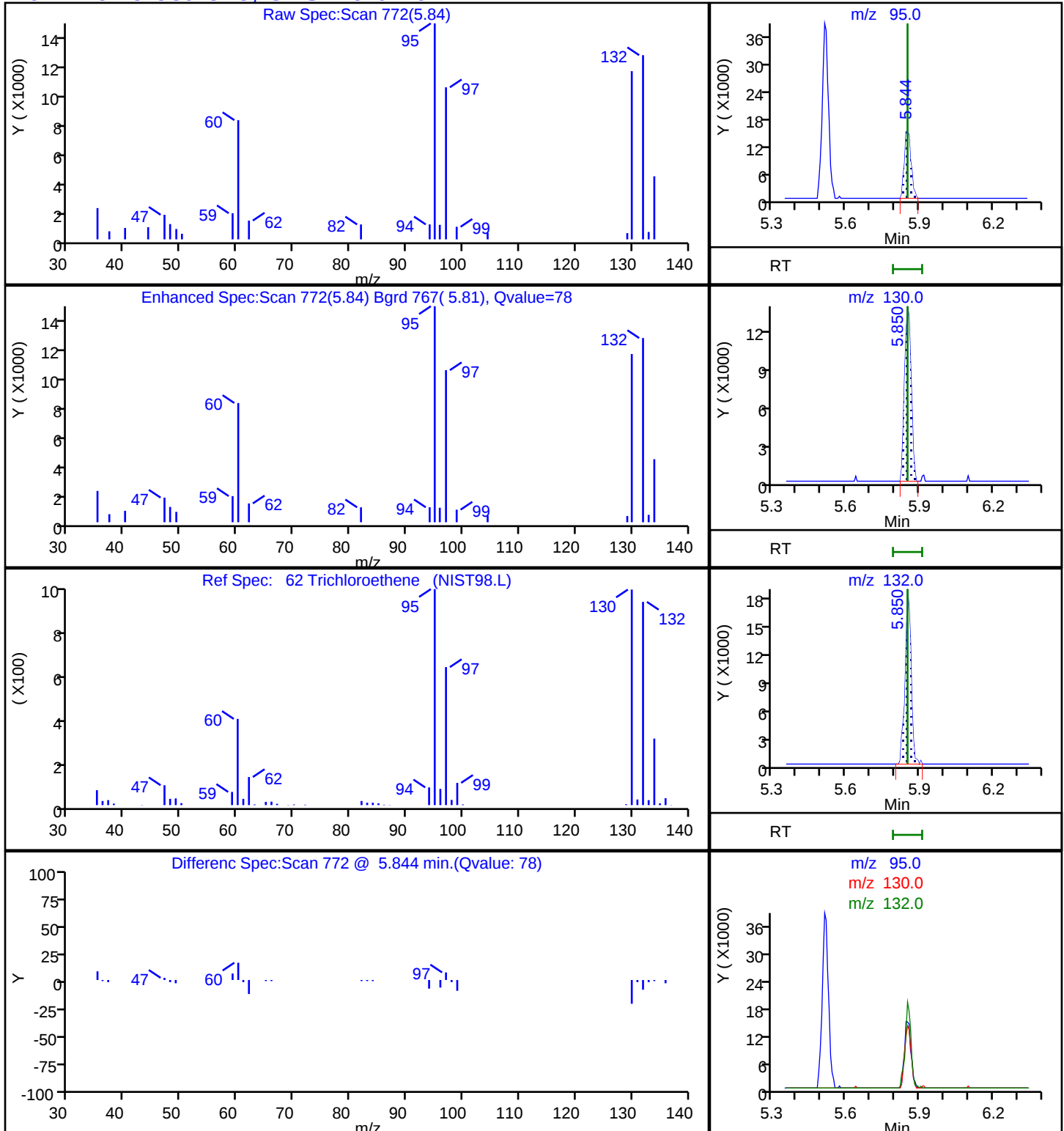
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

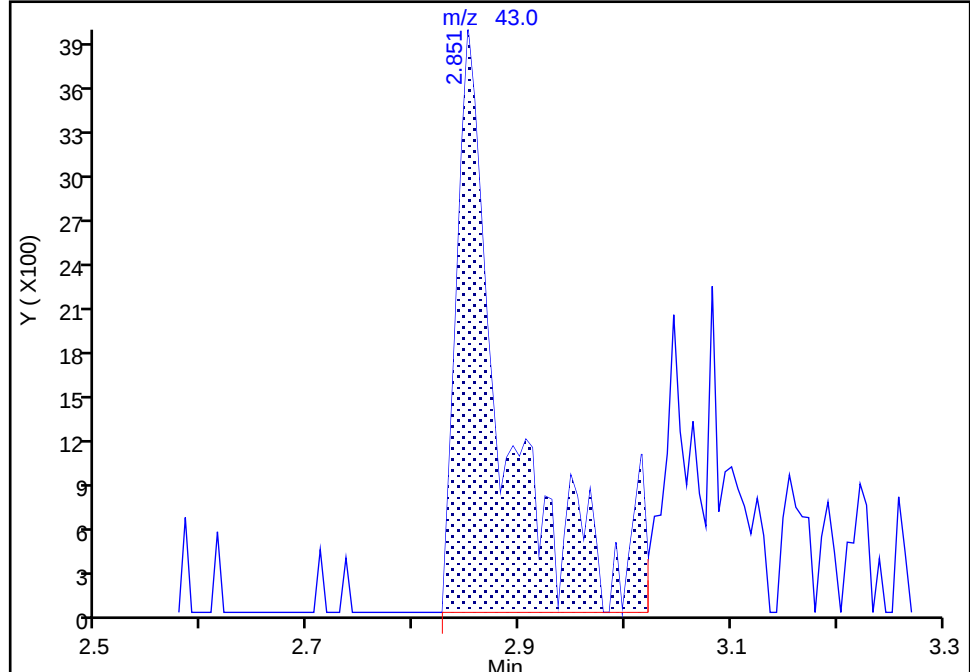
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Injection Date: 10-Jul-2018 00:38:30 Instrument ID: HP5973S
Lims ID: 480-138526-A-2 Lab Sample ID: 480-138526-2
Client ID: OW-02 070618
Operator ID: kn ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

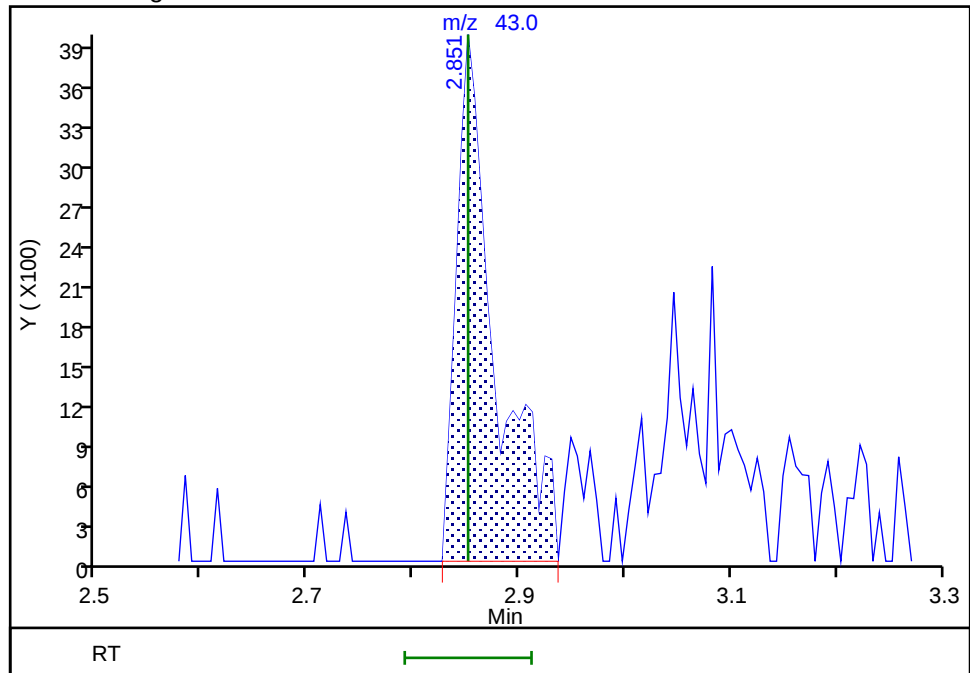
RT: 2.85
Area: 12796
Amount: 4.362572
Amount Units: ug/L

Processing Integration Results



RT: 2.85
Area: 10216
Amount: 3.482966
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 10-Jul-2018 10:25:53
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 94 of 503

07/11/2018

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-03 070618</u>	Lab Sample ID: <u>480-138526-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3291.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 01:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423625</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.4		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	2.2		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	3.3	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	37		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-03 070618</u>	Lab Sample ID: <u>480-138526-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3291.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 01:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423625</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	19		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	25		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Client Sample ID: OW-03 070618 Lab Sample ID: 480-138526-3
Matrix: Water Lab File ID: S3291.D
Analysis Method: 8260C Date Collected: 07/06/2018 00:00
Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 01:01
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 423625 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3291.D
 Lims ID: 480-138526-A-3
 Client ID: OW-03 070618
 Sample Type: Client
 Inject. Date: 10-Jul-2018 01:01:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138526-A-3
 Misc. Info.: 480-0072956-017
 Operator ID: kn Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 10:29:04 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: carrolln

Date: 10-Jul-2018 10:29:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	148838	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	307734	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	97	265740	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	56	191500	26.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	98	127617	27.4	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.019	0.007	94	756503	25.2	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	88	227244	24.7	
10 Dichlorodifluoromethane	85		1.282				ND	
12 Chloromethane	50		1.470				ND	
13 Vinyl chloride	62	1.549	1.549	0.000	98	251461	24.8	
14 Bromomethane	94		1.872				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.194				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.705				ND	
22 1,1-Dichloroethene	96		2.717				ND	
23 Acetone	43	2.845	2.845	-0.006	71	9512	3.32	Ma
26 Carbon disulfide	76		2.924				ND	
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.259				ND	
32 Methyl tert-butyl ether	73		3.454				ND	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	50	2197	0.2920	a
39 1,1-Dichloroethane	63	3.892	3.898	-0.006	76	35273	2.23	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	84	317150	36.7	
43 2-Butanone (MEK)	43		4.494				ND	
50 Chloroform	83		4.774				ND	
51 1,1,1-Trichloroethane	97	4.883	4.889	0.006	70	14843	1.44	
52 Cyclohexane	56		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78		5.236				ND	
58 1,2-Dichloroethane	62		5.309				ND	
62 Trichloroethene	95	5.850	5.850	0.000	96	151451	18.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.960				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.806				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.946				ND	
74 Toluene	92		7.092				ND	
77 trans-1,3-Dichloropropene	75		7.377				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.615				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.961				ND	
84 Ethylene Dibromide	107		8.071				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91		8.631				ND	
90 m-Xylene & p-Xylene	106		8.752				ND	
91 o-Xylene	106		9.178				ND	
92 Styrene	104		9.209				ND	
95 Bromoform	173		9.464				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.827				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180709-72956.b\\S3291.D

Injection Date: 10-Jul-2018 01:01:30

Instrument ID: HP5973S

Operator ID: kn

Lims ID: 480-138526-A-3

Lab Sample ID: 480-138526-3

Worklist Smp#: 17

Client ID: OW-03 070618

Purge Vol: 5.000 mL

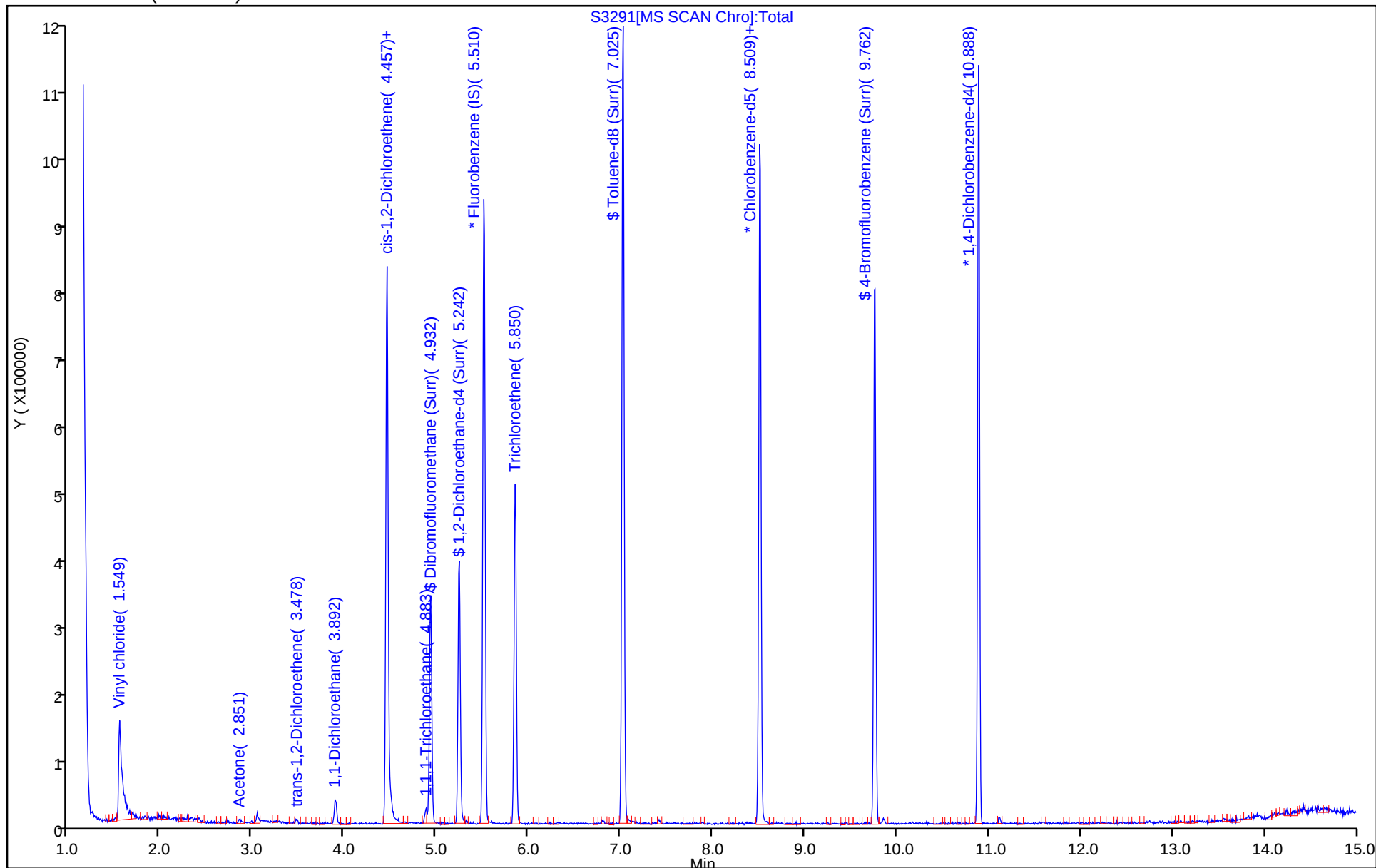
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3291.D

Injection Date: 10-Jul-2018 01:01:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-3

Lab Sample ID: 480-138526-3

Client ID: OW-03 070618

Operator ID: kn

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 5.000 mL

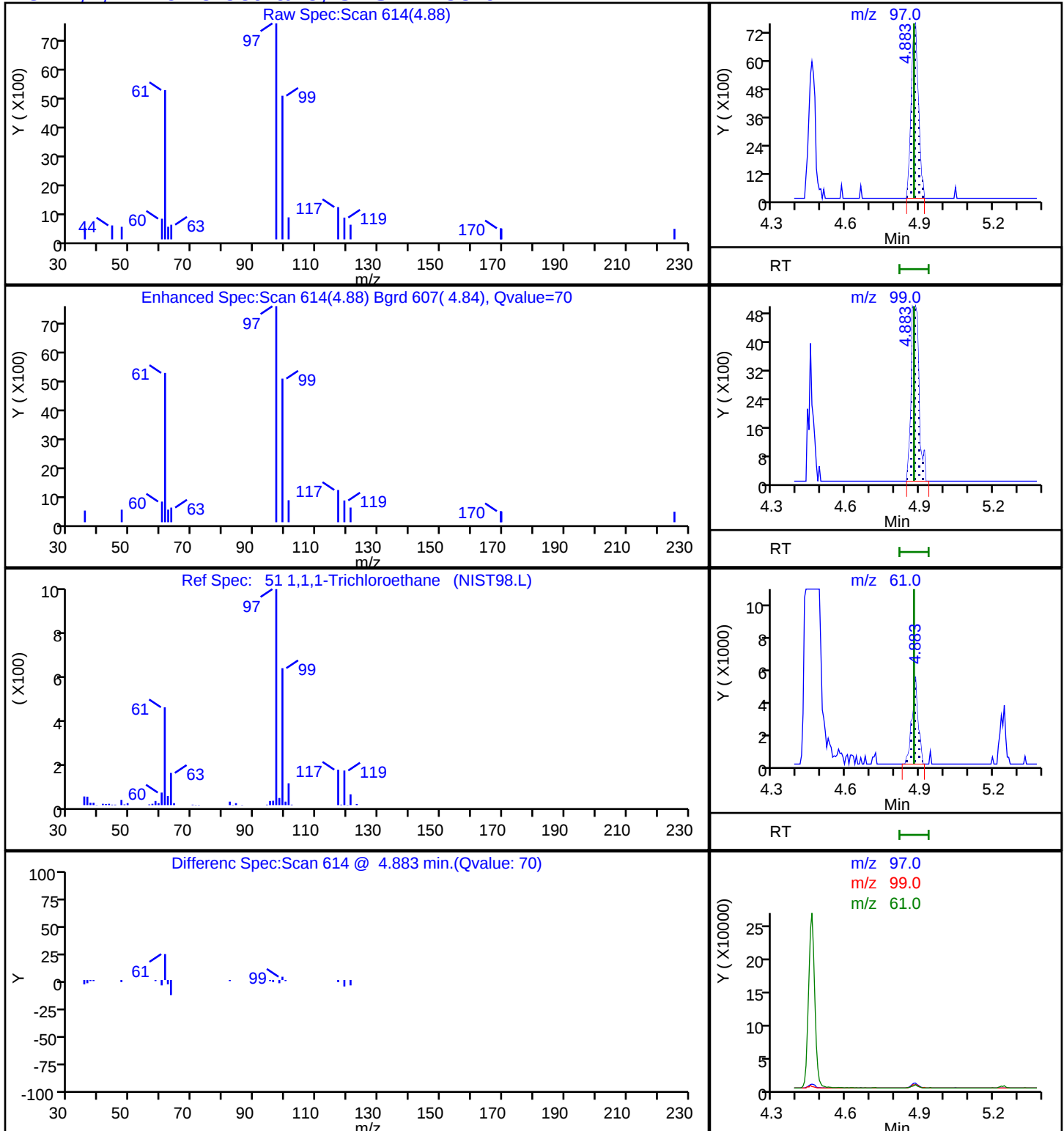
Dil. Factor: 1.0000

Method: S-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: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3291.D

Injection Date: 10-Jul-2018 01:01:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-3

Lab Sample ID: 480-138526-3

Client ID: OW-03 070618

Operator ID: kn

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 5.000 mL

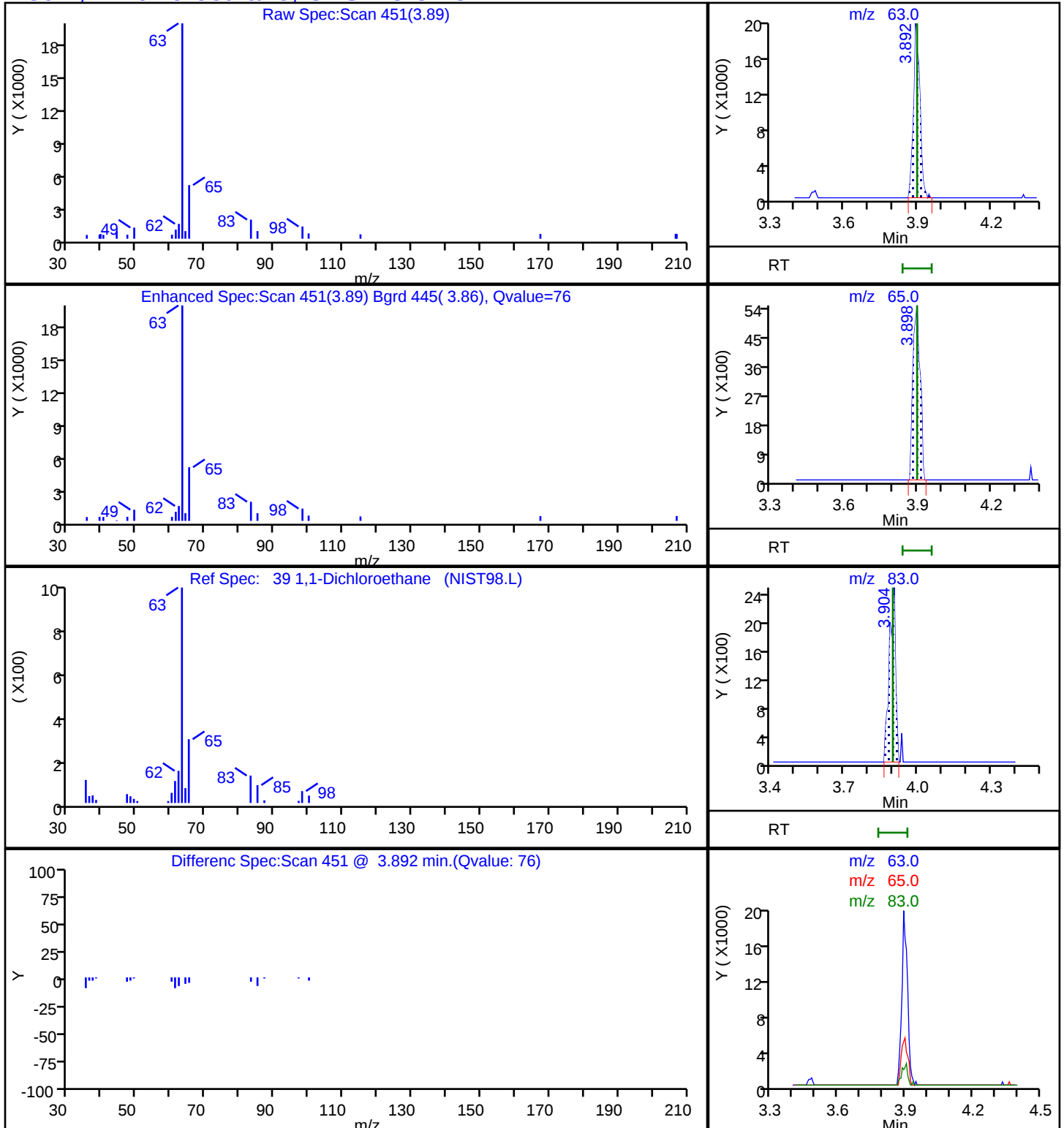
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3291.D

Injection Date: 10-Jul-2018 01:01:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-3

Lab Sample ID: 480-138526-3

Client ID: OW-03 070618

Operator ID: kn

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 5.000 mL

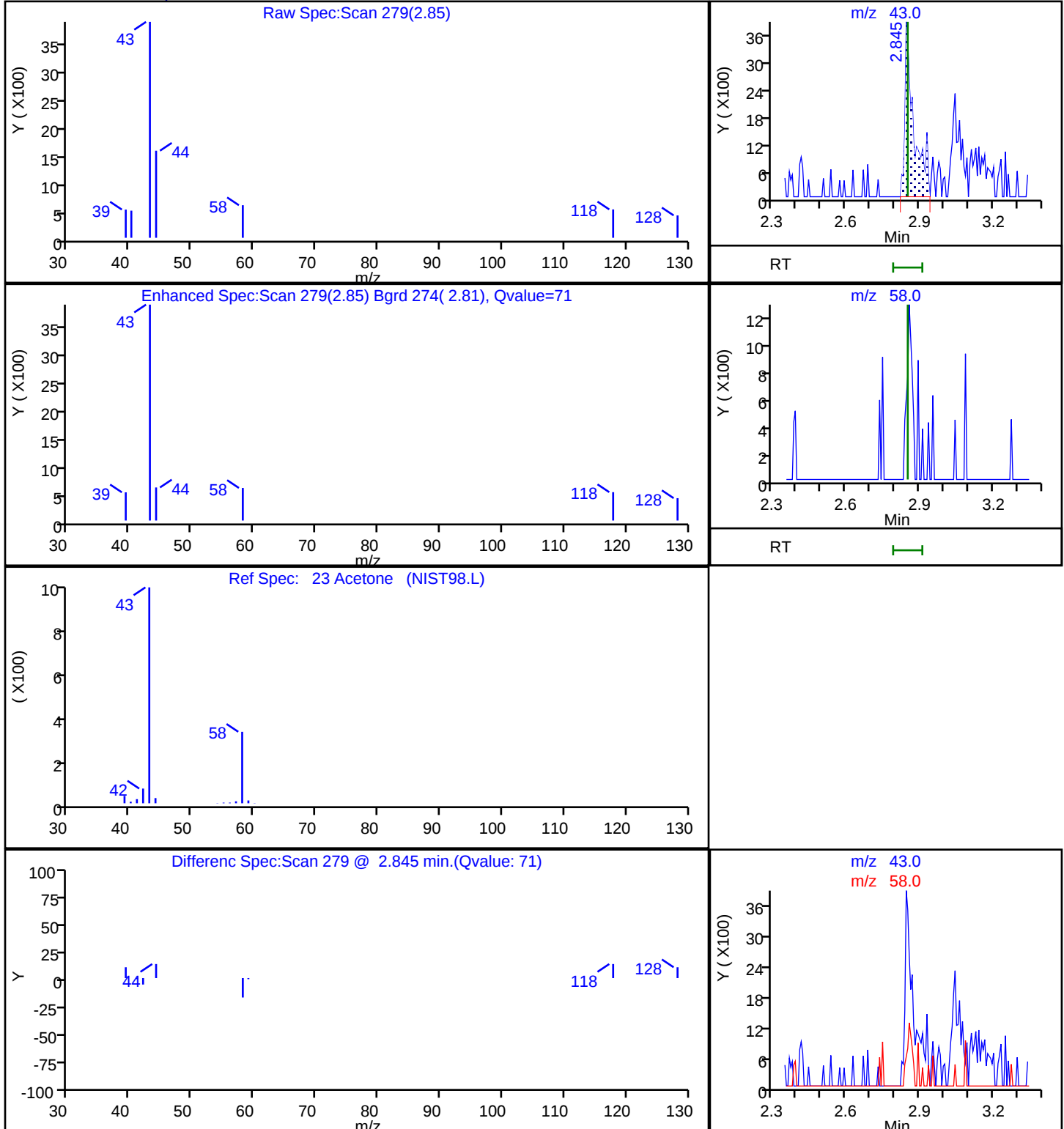
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3291.D

Injection Date: 10-Jul-2018 01:01:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-3

Lab Sample ID: 480-138526-3

Client ID: OW-03 070618

Operator ID: kn

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 5.000 mL

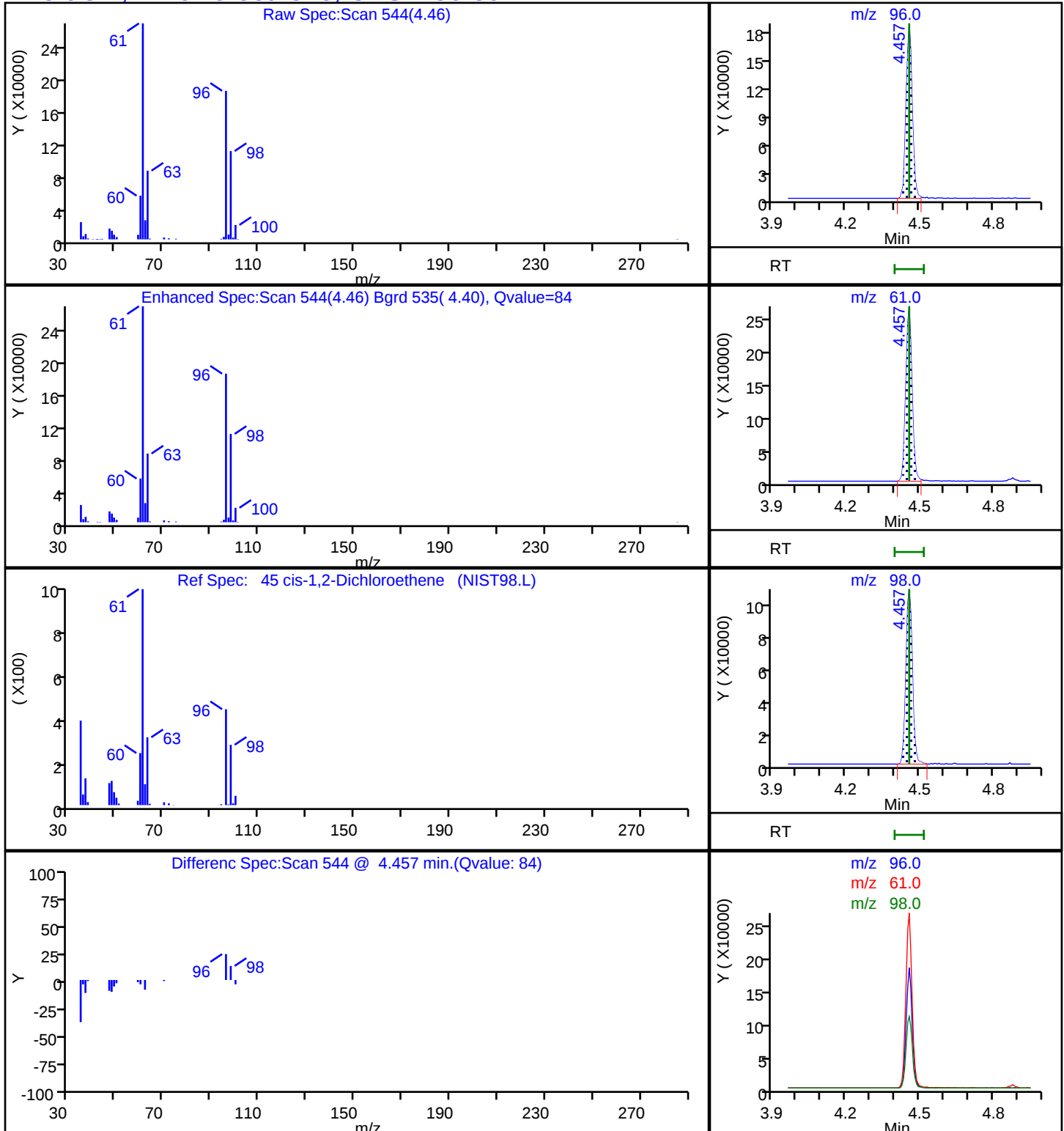
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3291.D

Injection Date: 10-Jul-2018 01:01:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-3

Lab Sample ID: 480-138526-3

Client ID: OW-03 070618

Operator ID: kn

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 5.000 mL

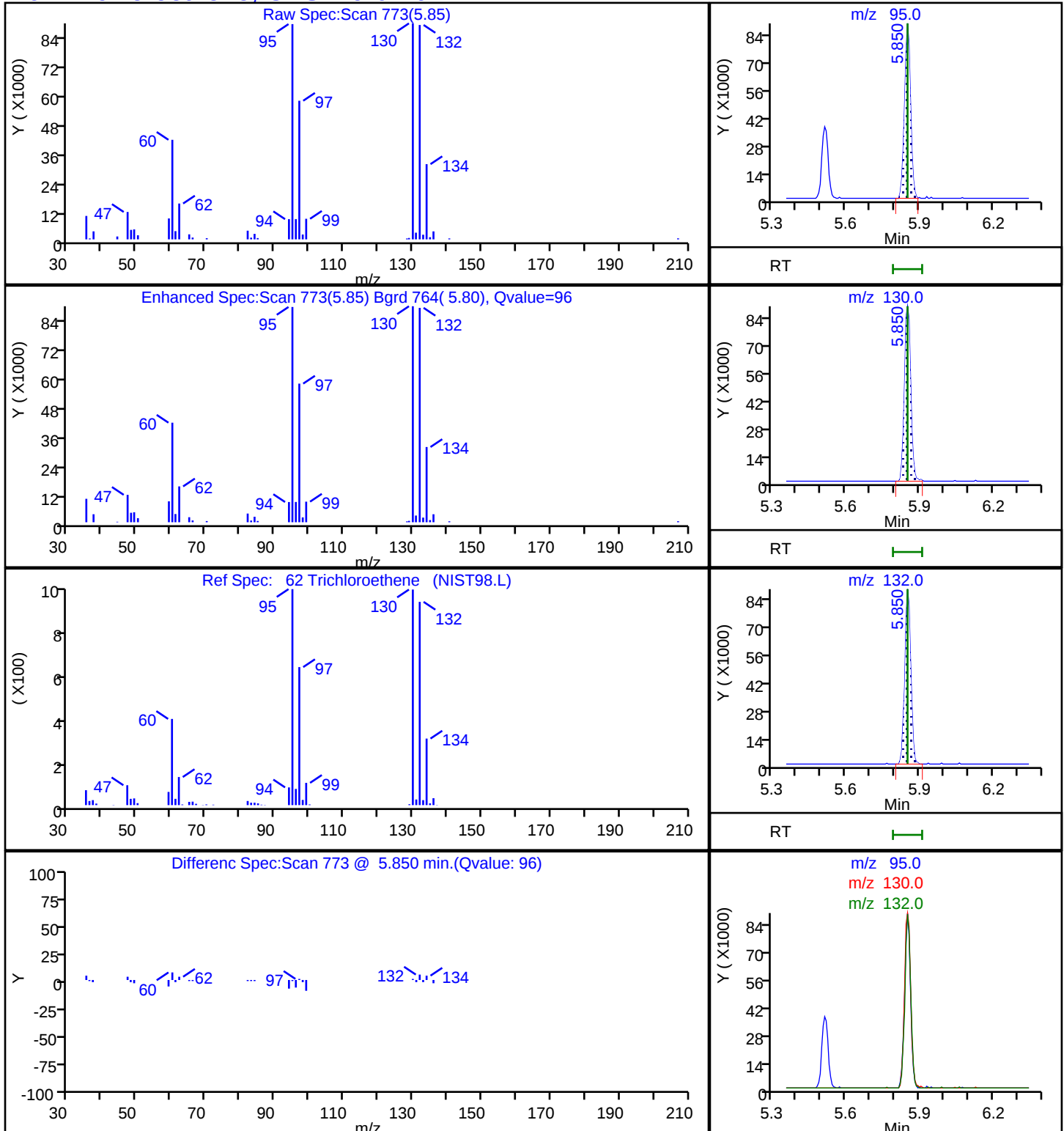
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3291.D

Injection Date: 10-Jul-2018 01:01:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-3

Lab Sample ID: 480-138526-3

Client ID: OW-03 070618

Operator ID: kn

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 5.000 mL

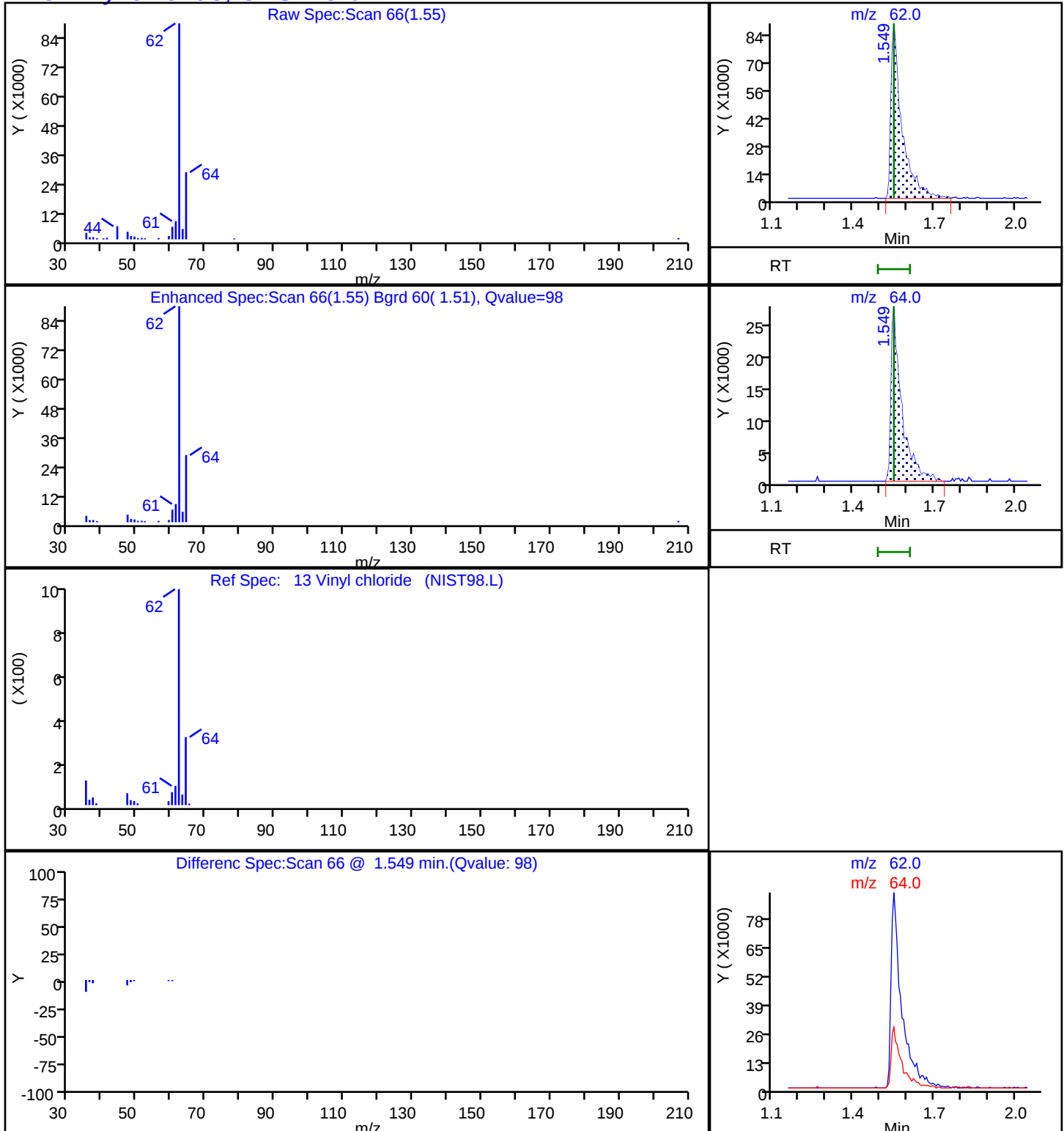
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

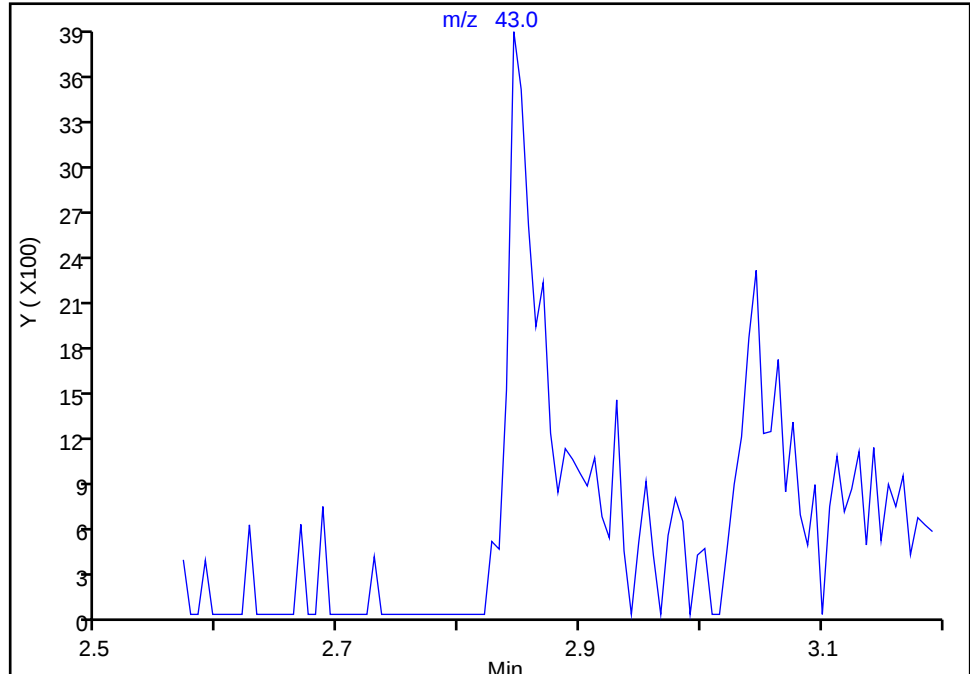
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3291.D
Injection Date: 10-Jul-2018 01:01:30 Instrument ID: HP5973S
Lims ID: 480-138526-A-3 Lab Sample ID: 480-138526-3
Client ID: OW-03 070618
Operator ID: kn ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

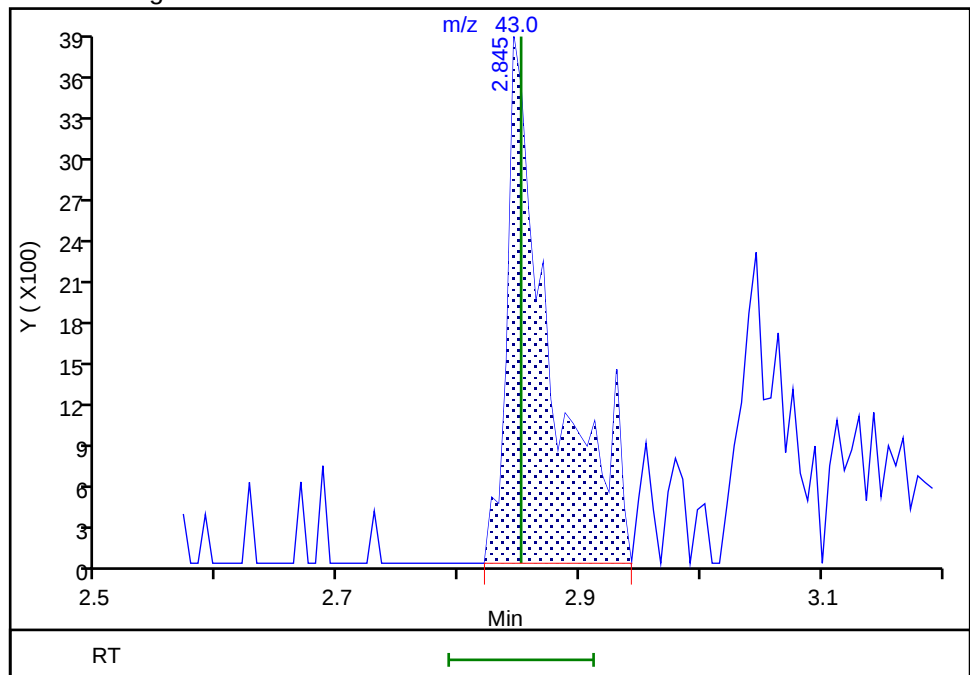
Not Detected
Expected RT: 2.85

Processing Integration Results



Manual Integration Results

RT: 2.85
Area: 9512
Amount: 3.321737
Amount Units: ug/L



Reviewer: carrolln, 10-Jul-2018 10:27:56

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

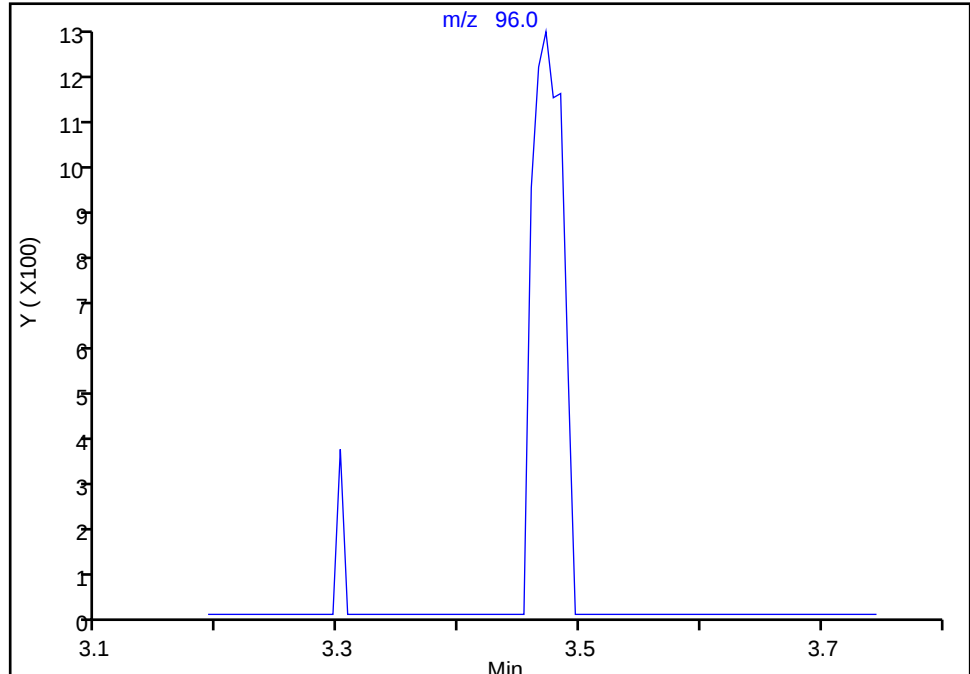
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Injection Date:	10-Jul-2018 01:01:30	Instrument ID:	HP5973S		
Lims ID:	480-138526-A-3	Lab Sample ID:	480-138526-3		
Client ID:	OW-03 070618				
Operator ID:	kn	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

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

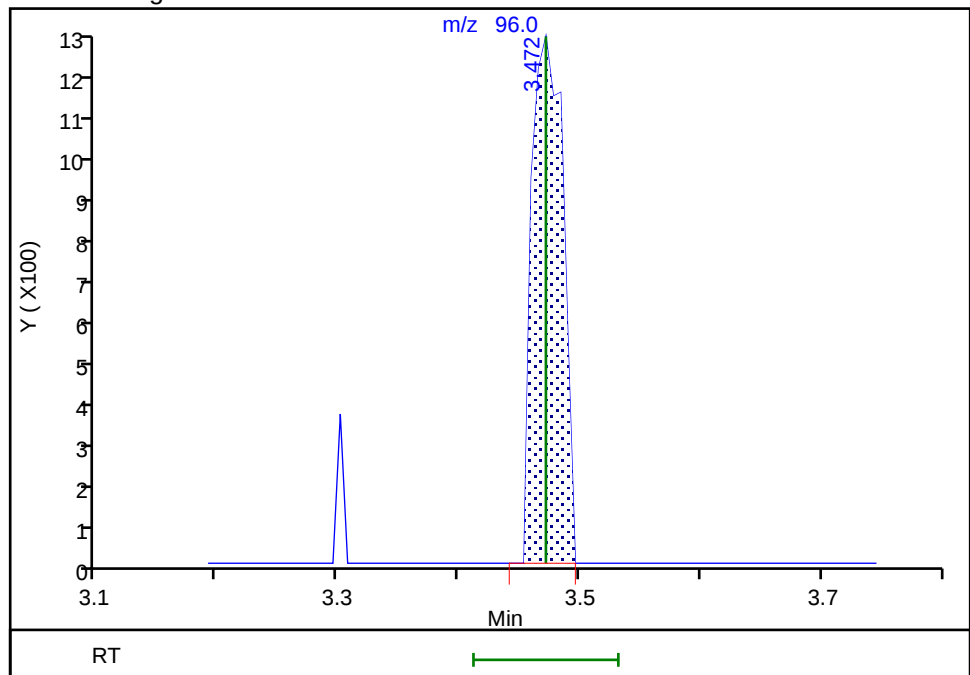
Signal: 1

Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.47
Area: 2197
Amount: 0.291995
Amount Units: ug/LReviewer: carrolln, 10-Jul-2018 10:28:08
Audit Action: Assigned Compound IDAudit Reason: Poor chromatography
Page 108 of 503

07/11/2018

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-04/08 070618</u>	Lab Sample ID: <u>480-138526-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3292.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 01:24</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423625</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	0.91	J	1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	11		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Client Sample ID: OW-04/08 070618 Lab Sample ID: 480-138526-4
 Matrix: Water Lab File ID: S3292.D
 Analysis Method: 8260C Date Collected: 07/06/2018 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 01:24
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 423625 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	25		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	20		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Client Sample ID: OW-04/08 070618 Lab Sample ID: 480-138526-4
Matrix: Water Lab File ID: S3292.D
Analysis Method: 8260C Date Collected: 07/06/2018 00:00
Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 01:24
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 423625 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3292.D
 Lims ID: 480-138526-A-4
 Client ID: OW-04/08 070618
 Sample Type: Client
 Inject. Date: 10-Jul-2018 01:24:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138526-A-4
 Misc. Info.: 480-0072956-018
 Operator ID: kn Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 10:30:39 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: carrolln

Date: 10-Jul-2018 10:30:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	152116	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	306016	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	97	271528	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	58	194988	26.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	98	129563	27.2	
\$ 5 Toluene-d8 (Surr)	98	7.024	7.019	0.006	93	756692	25.4	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	88	221258	24.2	
10 Dichlorodifluoromethane	85		1.282				ND	
12 Chloromethane	50		1.470				ND	
13 Vinyl chloride	62	1.549	1.549	0.000	97	204614	19.8	
14 Bromomethane	94		1.872				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.194				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.705				ND	
22 1,1-Dichloroethene	96		2.717				ND	
23 Acetone	43	2.851	2.851	0.000	0	6850	2.34	M
26 Carbon disulfide	76		2.924				ND	
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.259				ND	
32 Methyl tert-butyl ether	73		3.454				ND	
34 trans-1,2-Dichloroethene	96	3.466	3.466	-0.006	37	2138	0.2780	a
39 1,1-Dichloroethane	63	3.891	3.898	-0.007	36	14712	0.9082	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	84	96326	10.9	
43 2-Butanone (MEK)	43		4.494				ND	
50 Chloroform	83		4.774				ND	
51 1,1,1-Trichloroethane	97	4.883	4.889	0.006	43	6741	0.6400	
52 Cyclohexane	56		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78		5.236				ND	
58 1,2-Dichloroethane	62		5.309				ND	
62 Trichloroethene	95	5.850	5.850	0.000	96	206792	24.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.960				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.806				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.946				ND	
74 Toluene	92		7.092				ND	
77 trans-1,3-Dichloropropene	75		7.377				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.615				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.961				ND	
84 Ethylene Dibromide	107		8.071				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91		8.631				ND	
90 m-Xylene & p-Xylene	106		8.752				ND	
91 o-Xylene	106		9.178				ND	
92 Styrene	104		9.209				ND	
95 Bromoform	173		9.464				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.827				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

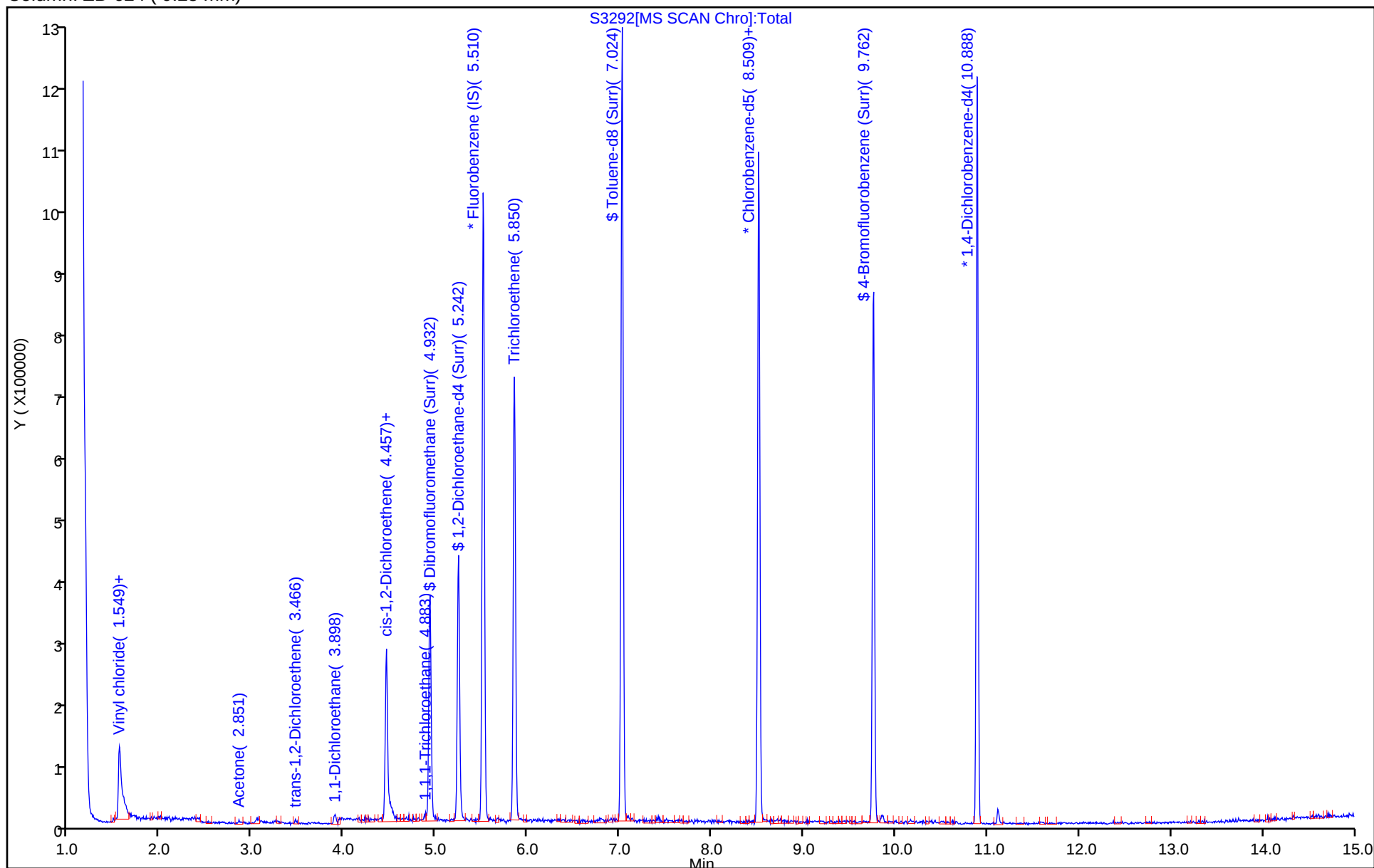
Run Reagent

Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3292.D		
Injection Date:	10-Jul-2018 01:24:30	Instrument ID:	HP5973S
Lims ID:	480-138526-A-4	Lab Sample ID:	480-138526-4
Client ID:	OW-04/08 070618		
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C IC
Column:	ZB-624 (0.25 mm)		

Operator ID:	kn
Worklist Smp#:	18
ALS Bottle#:	17



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3292.D

Injection Date: 10-Jul-2018 01:24:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-4

Lab Sample ID: 480-138526-4

Client ID: OW-04/08 070618

Operator ID: kn

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 5.000 mL

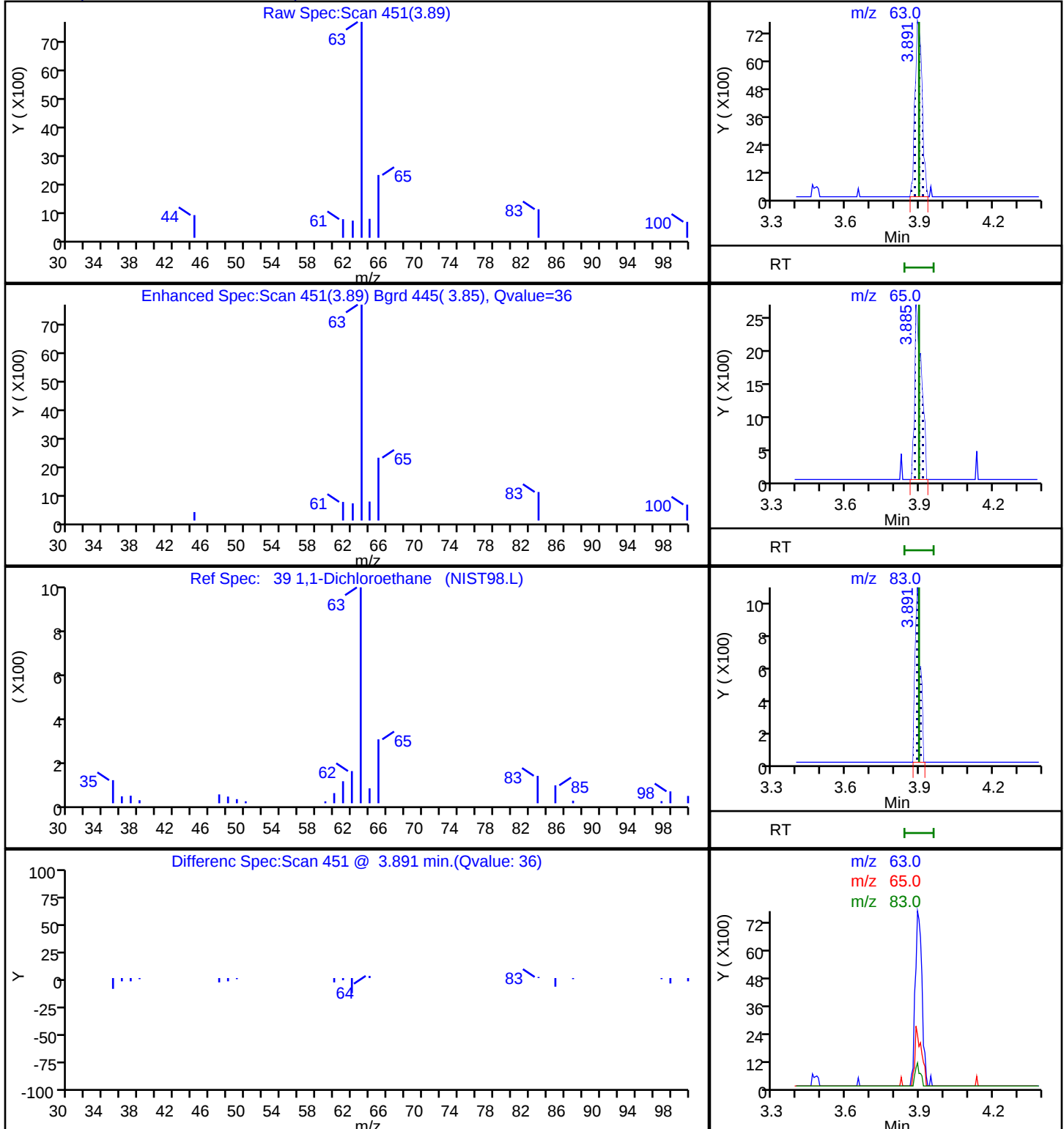
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3292.D

Injection Date: 10-Jul-2018 01:24:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-4

Lab Sample ID: 480-138526-4

Client ID: OW-04/08 070618

Operator ID: kn

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 5.000 mL

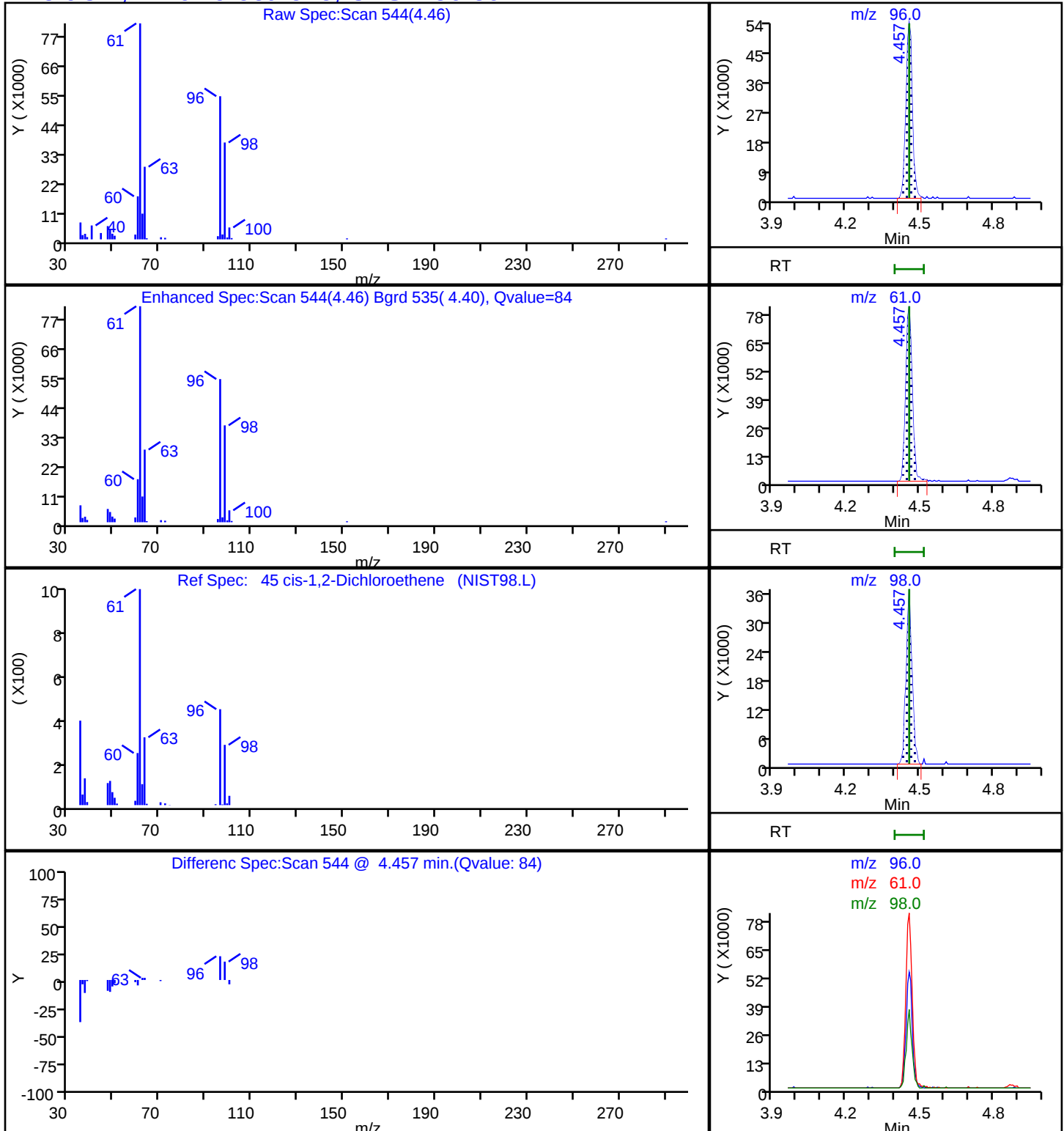
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3292.D

Injection Date: 10-Jul-2018 01:24:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-4

Lab Sample ID: 480-138526-4

Client ID: OW-04/08 070618

Operator ID: kn

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 5.000 mL

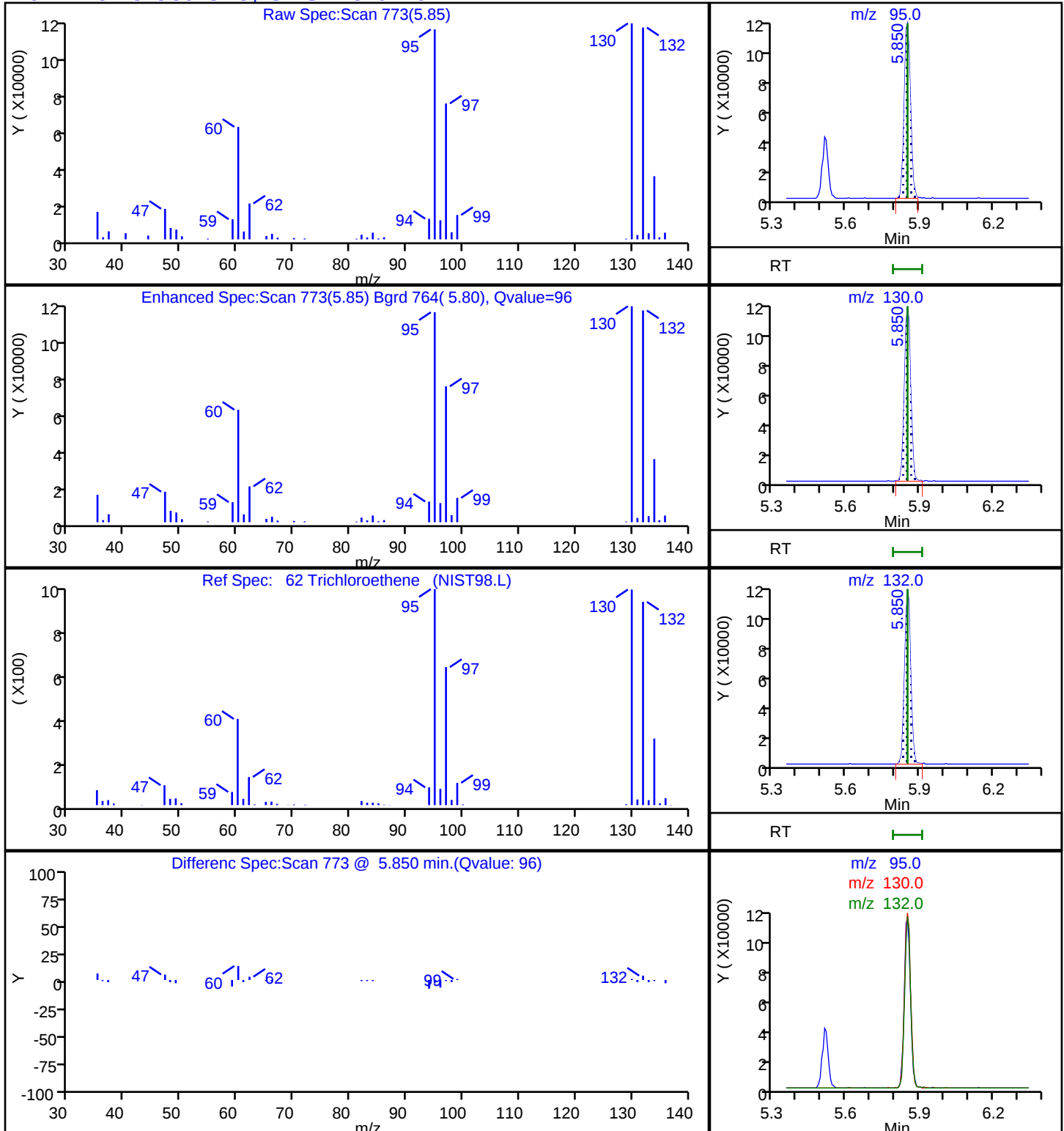
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3292.D

Injection Date: 10-Jul-2018 01:24:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-4

Lab Sample ID: 480-138526-4

Client ID: OW-04/08 070618

Operator ID: kn

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 5.000 mL

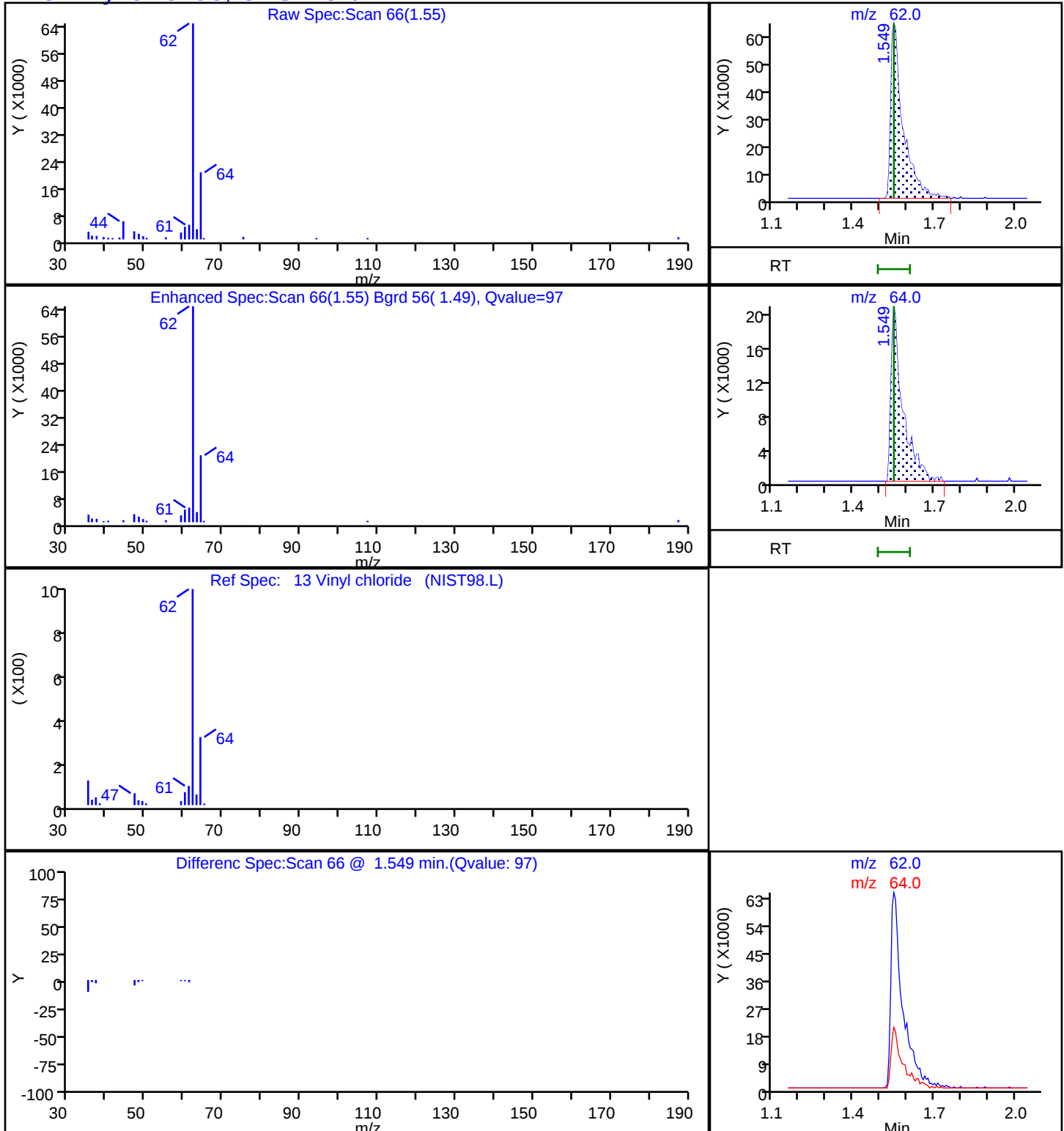
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

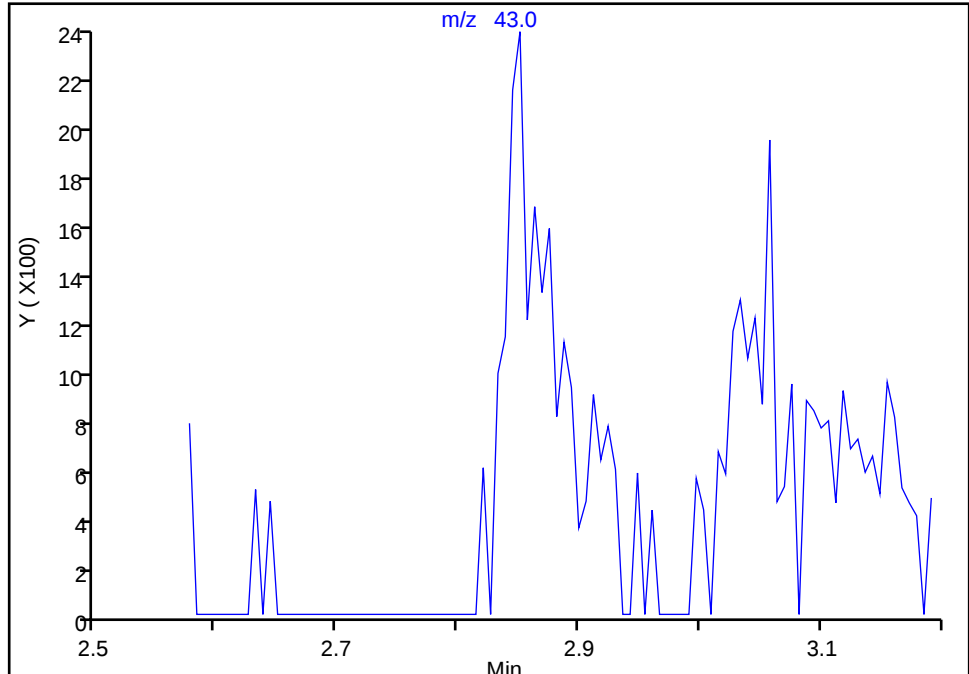
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Injection Date: 10-Jul-2018 01:24:30 Instrument ID: HP5973S
Lims ID: 480-138526-A-4 Lab Sample ID: 480-138526-4
Client ID: OW-04/08 070618
Operator ID: kn ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

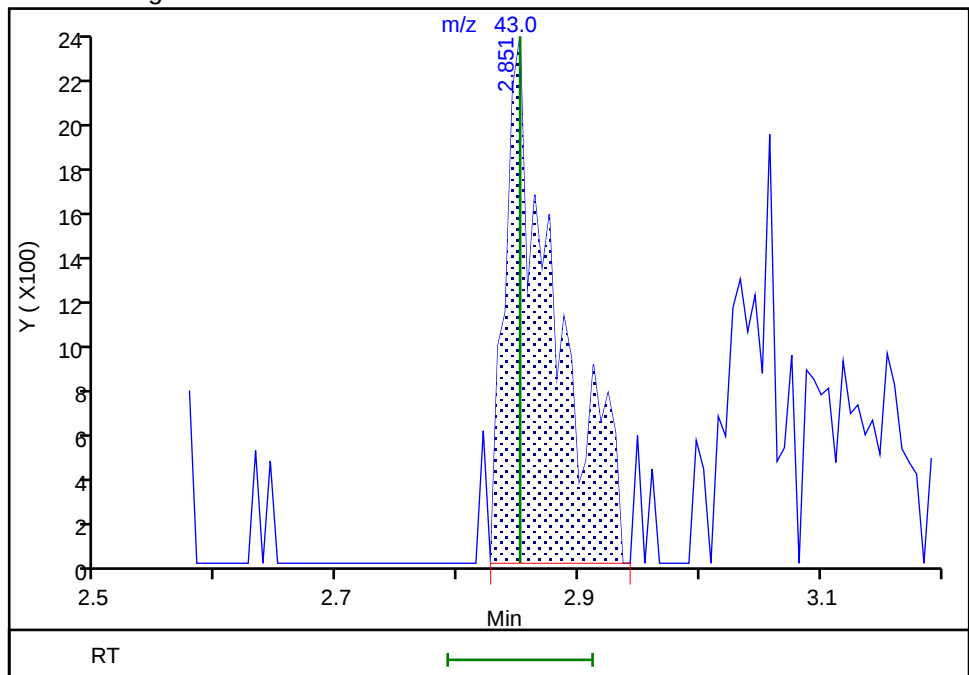
Not Detected
Expected RT: 2.85

Processing Integration Results



Manual Integration Results

RT: 2.85
Area: 6850
Amount: 2.340577
Amount Units: ug/L



Reviewer: carrolln, 10-Jul-2018 10:29:36
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

TestAmerica Buffalo

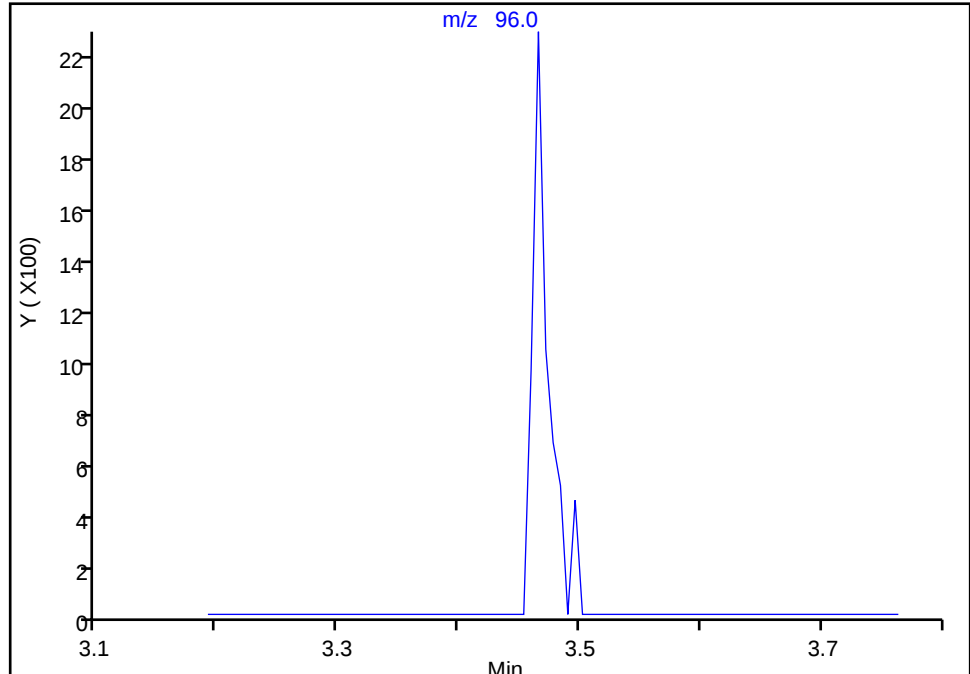
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Injection Date:	10-Jul-2018 01:24:30	Instrument ID:	HP5973S		
Lims ID:	480-138526-A-4	Lab Sample ID:	480-138526-4		
Client ID:	OW-04/08 070618				
Operator ID:	kn	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

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

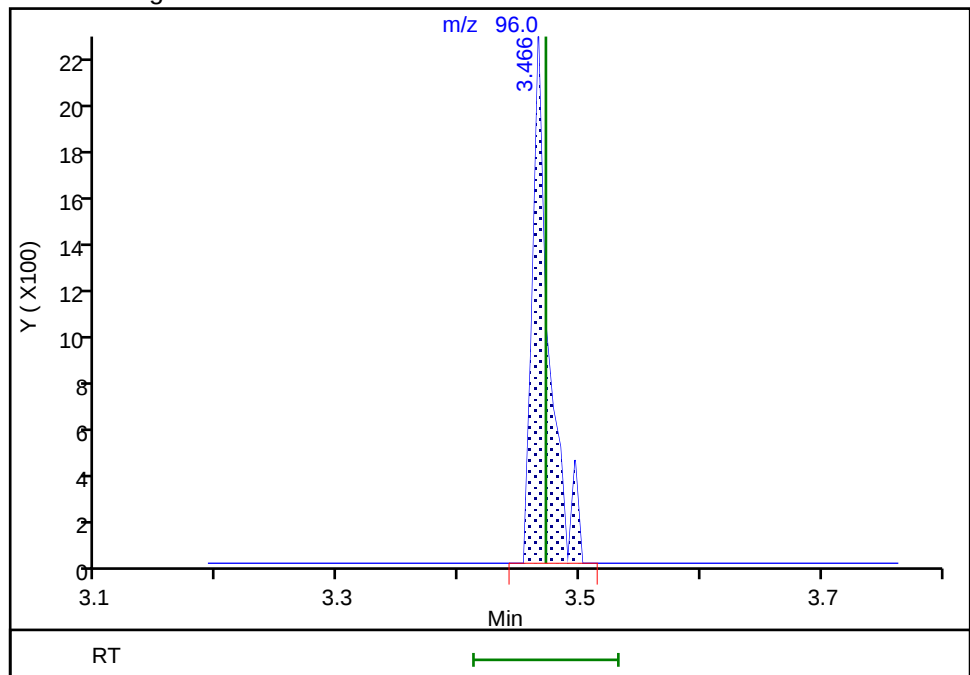
Signal: 1

Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

Reviewer: carrolln, 10-Jul-2018 10:29:50
Audit Action: Assigned Compound IDAudit Reason: Poor chromatography
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07/11/2018

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-05 070618</u>	Lab Sample ID: <u>480-138526-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3293.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 01:48</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423625</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	1.4		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	3.7	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	19		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Client Sample ID: OW-05 070618 Lab Sample ID: 480-138526-5
 Matrix: Water Lab File ID: S3293.D
 Analysis Method: 8260C Date Collected: 07/06/2018 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 01:48
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 423625 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	26		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	8.4		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Client Sample ID: OW-05 070618 Lab Sample ID: 480-138526-5
Matrix: Water Lab File ID: S3293.D
Analysis Method: 8260C Date Collected: 07/06/2018 00:00
Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 01:48
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 423625 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3293.D
 Lims ID: 480-138526-A-5
 Client ID: OW-05 070618
 Sample Type: Client
 Inject. Date: 10-Jul-2018 01:48:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138526-A-5
 Misc. Info.: 480-0072956-019
 Operator ID: kn Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 11:11:21 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: carrolln

Date: 10-Jul-2018 11:11:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	148154	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	88	301210	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	97	278218	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	57	186830	26.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	97	128966	27.8	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.019	0.007	93	752727	25.7	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	222208	24.7	
10 Dichlorodifluoromethane	85		1.282				ND	
12 Chloromethane	50		1.470				ND	
13 Vinyl chloride	62	1.556	1.549	0.007	72	84408	8.37	
14 Bromomethane	94		1.872				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.194				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.705				ND	
22 1,1-Dichloroethene	96		2.717				ND	
23 Acetone	43	2.857	2.857	0.006	72	10536	3.70	M
26 Carbon disulfide	76		2.924				ND	
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.259				ND	
32 Methyl tert-butyl ether	73		3.454				ND	
34 trans-1,2-Dichloroethene	96		3.472				ND	
39 1,1-Dichloroethane	63	3.898	3.898	0.000	49	21836	1.38	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	85	164723	19.1	
43 2-Butanone (MEK)	43		4.494				ND	
50 Chloroform	83		4.774				ND	
51 1,1,1-Trichloroethane	97	4.889	4.889	0.012	40	5309	0.5175	
52 Cyclohexane	56		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78		5.236				ND	
58 1,2-Dichloroethane	62		5.309				ND	
62 Trichloroethene	95	5.851	5.850	0.001	96	210947	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.960				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.806				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.946				ND	
74 Toluene	92		7.092				ND	
77 trans-1,3-Dichloropropene	75		7.377				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.615				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.961				ND	
84 Ethylene Dibromide	107		8.071				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91		8.631				ND	
90 m-Xylene & p-Xylene	106		8.752				ND	
91 o-Xylene	106		9.178				ND	
92 Styrene	104		9.209				ND	
95 Bromoform	173		9.464				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.827				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3293.D

Injection Date: 10-Jul-2018 01:48:30

Instrument ID: HP5973S

Operator ID: kn

Lims ID: 480-138526-A-5

Lab Sample ID: 480-138526-5

Worklist Smp#: 19

Client ID: OW-05 070618

Purge Vol: 5.000 mL

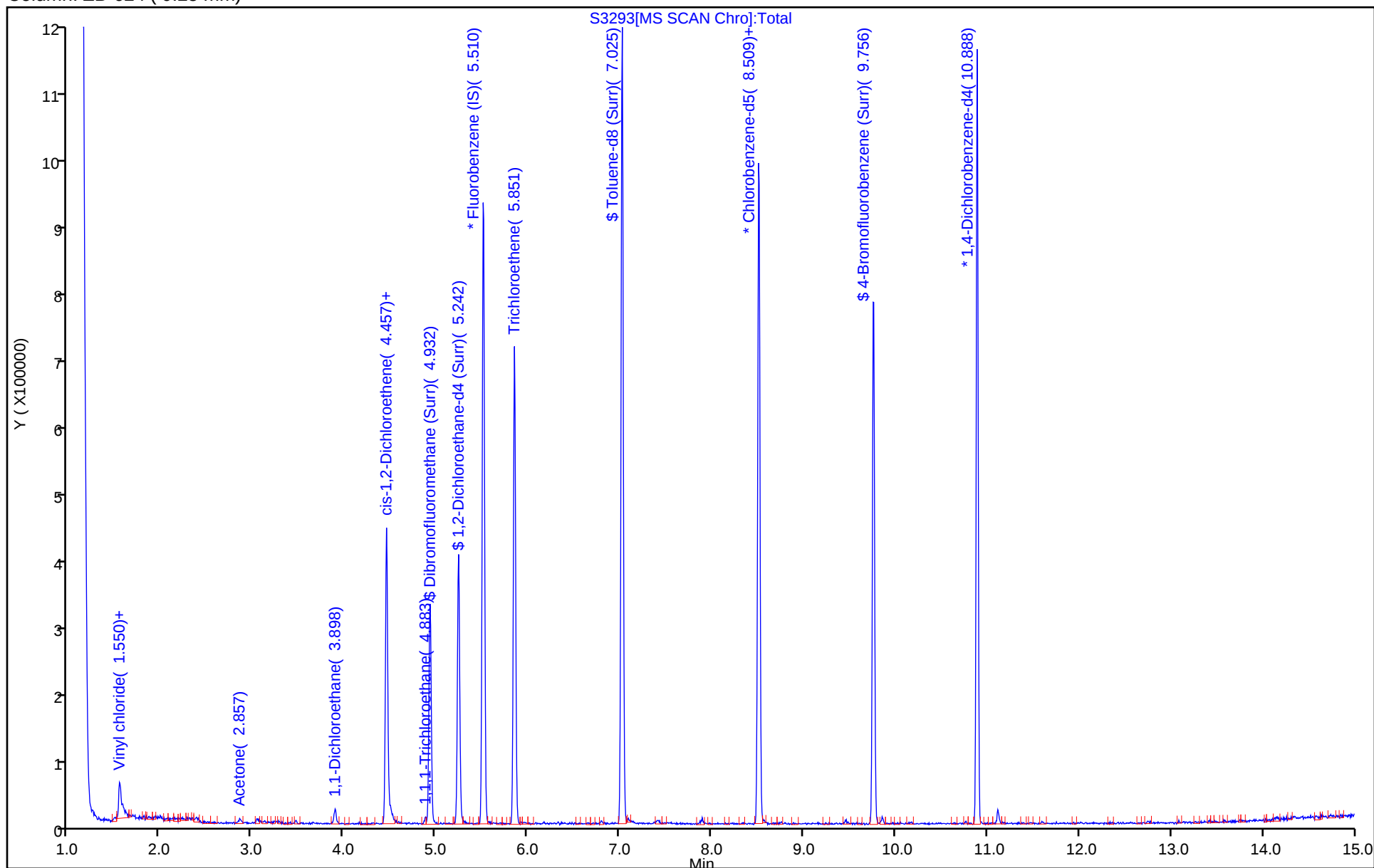
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3293.D

Injection Date: 10-Jul-2018 01:48:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-5

Lab Sample ID: 480-138526-5

Client ID: OW-05 070618

Operator ID: kn

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 5.000 mL

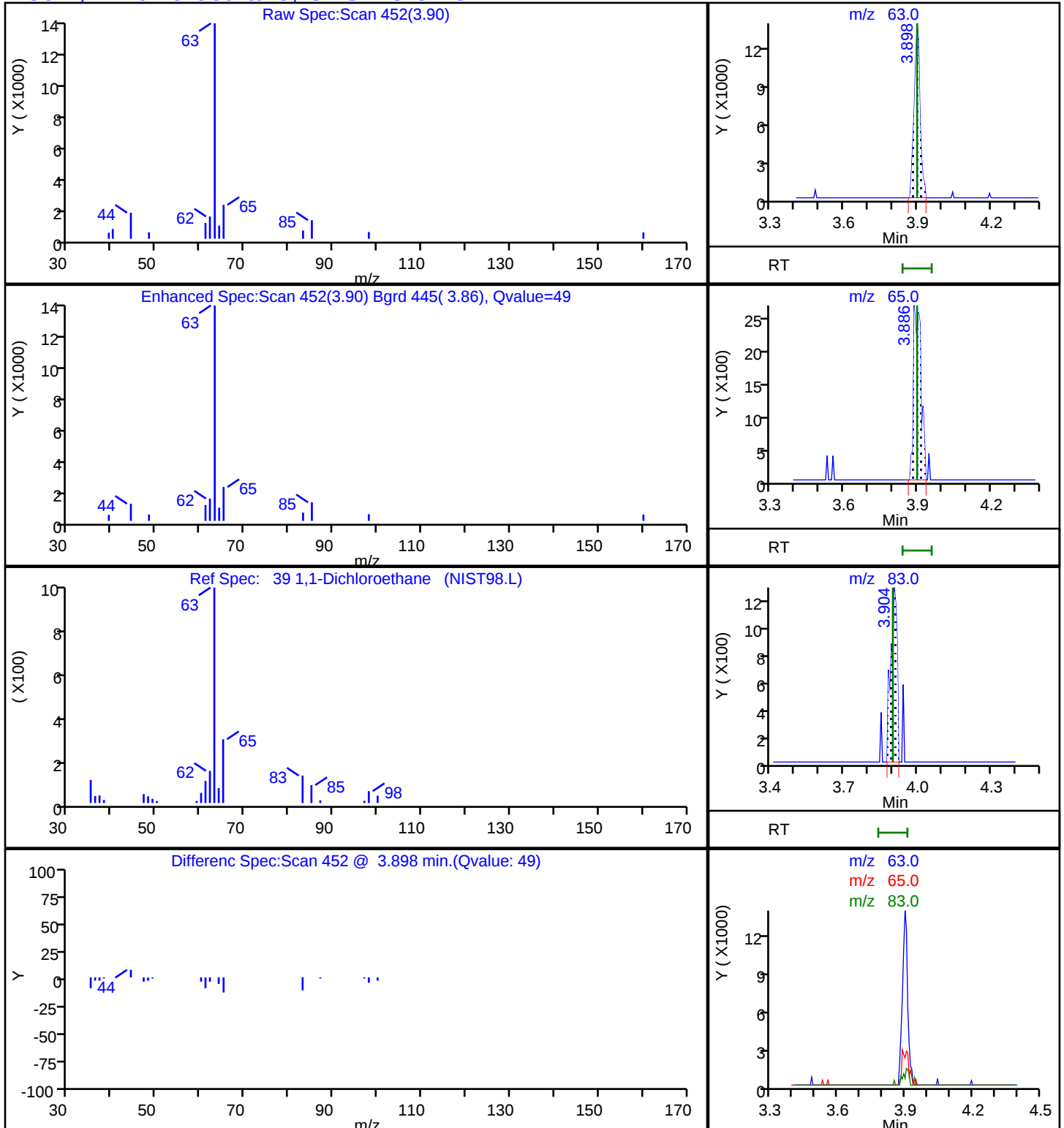
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3293.D

Injection Date: 10-Jul-2018 01:48:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-5

Lab Sample ID: 480-138526-5

Client ID: OW-05 070618

Operator ID: kn

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 5.000 mL

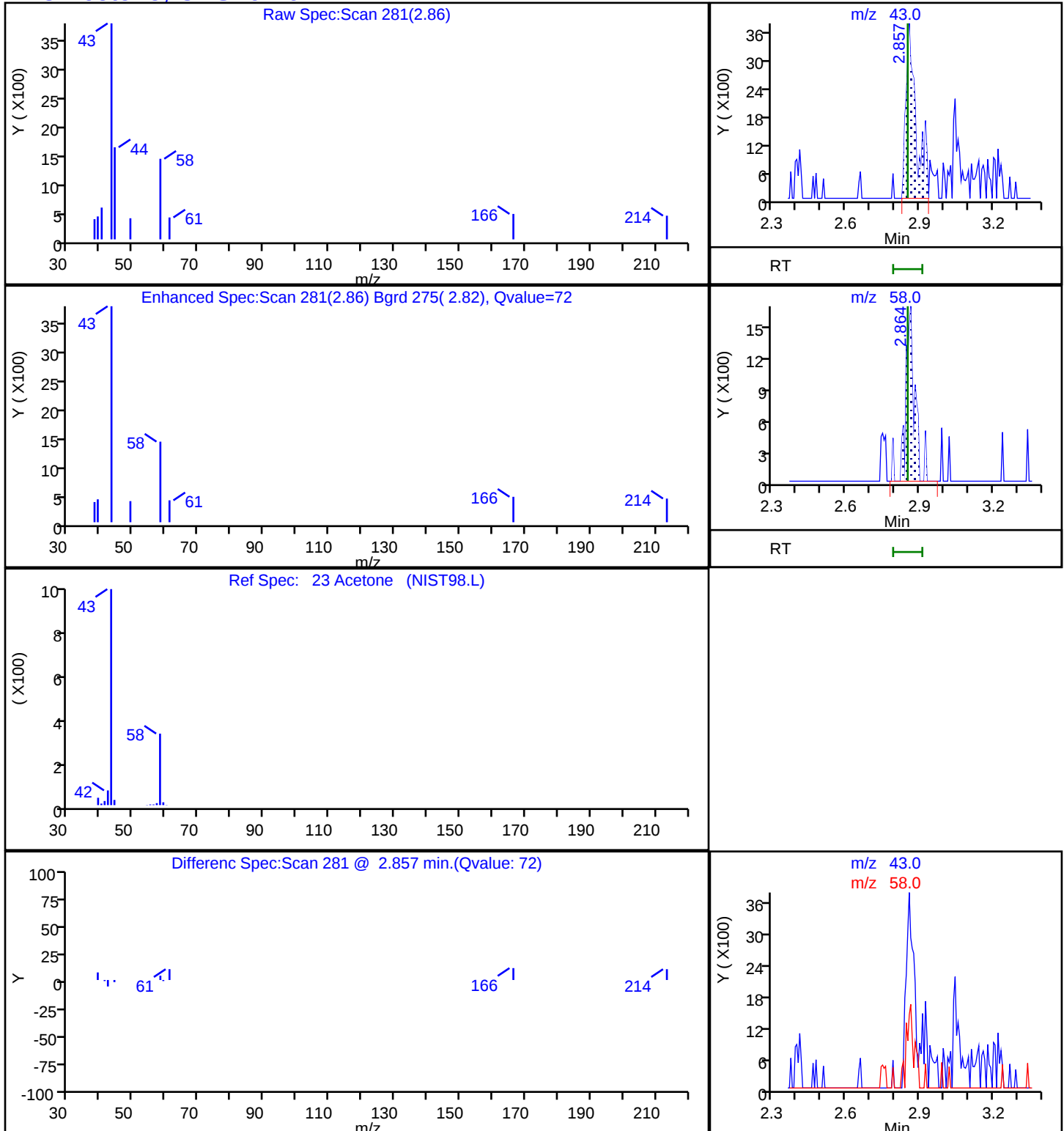
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3293.D

Injection Date: 10-Jul-2018 01:48:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-5

Lab Sample ID: 480-138526-5

Client ID: OW-05 070618

Operator ID: kn

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 5.000 mL

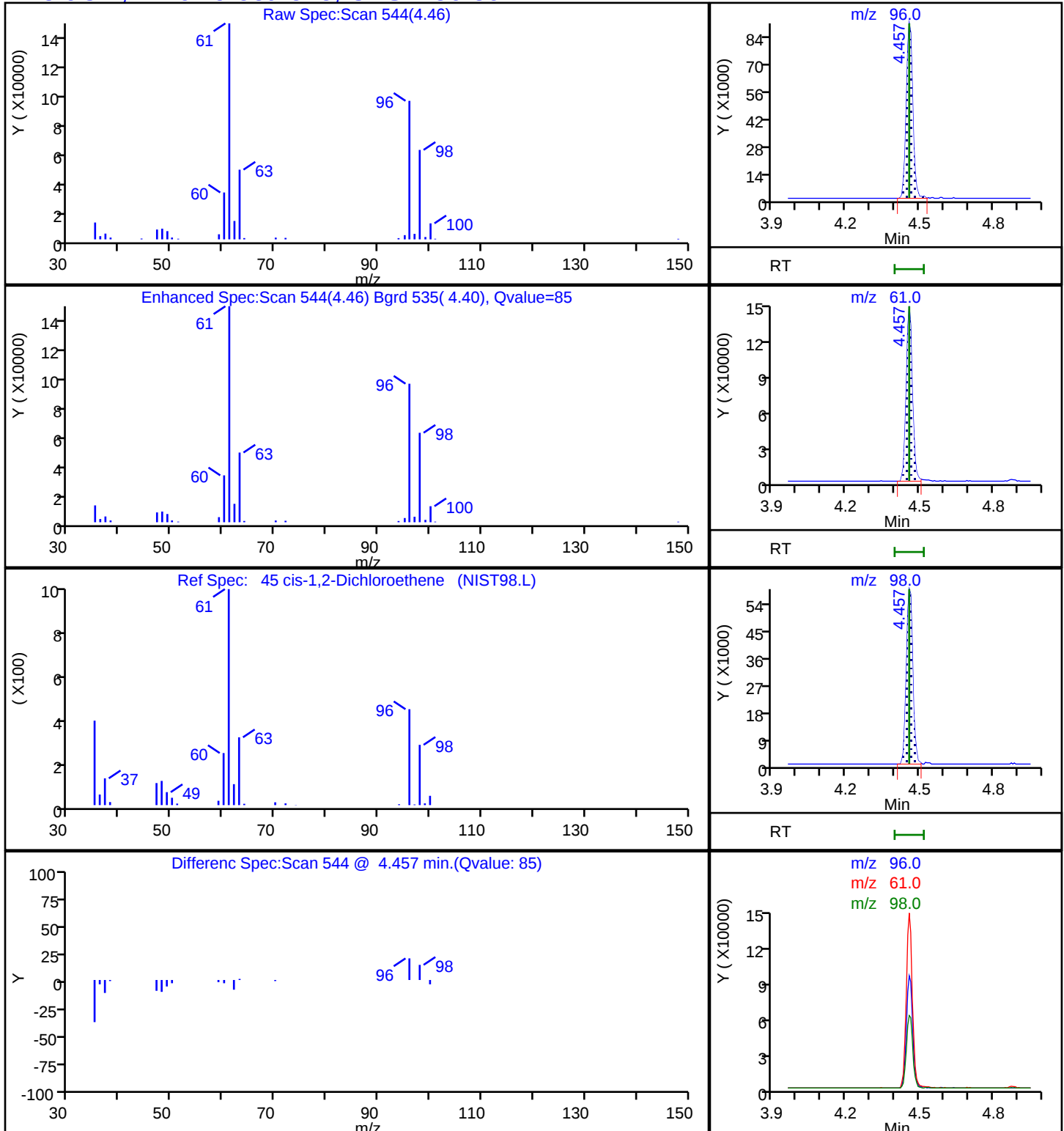
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3293.D

Injection Date: 10-Jul-2018 01:48:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-5

Lab Sample ID: 480-138526-5

Client ID: OW-05 070618

Operator ID: kn

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 5.000 mL

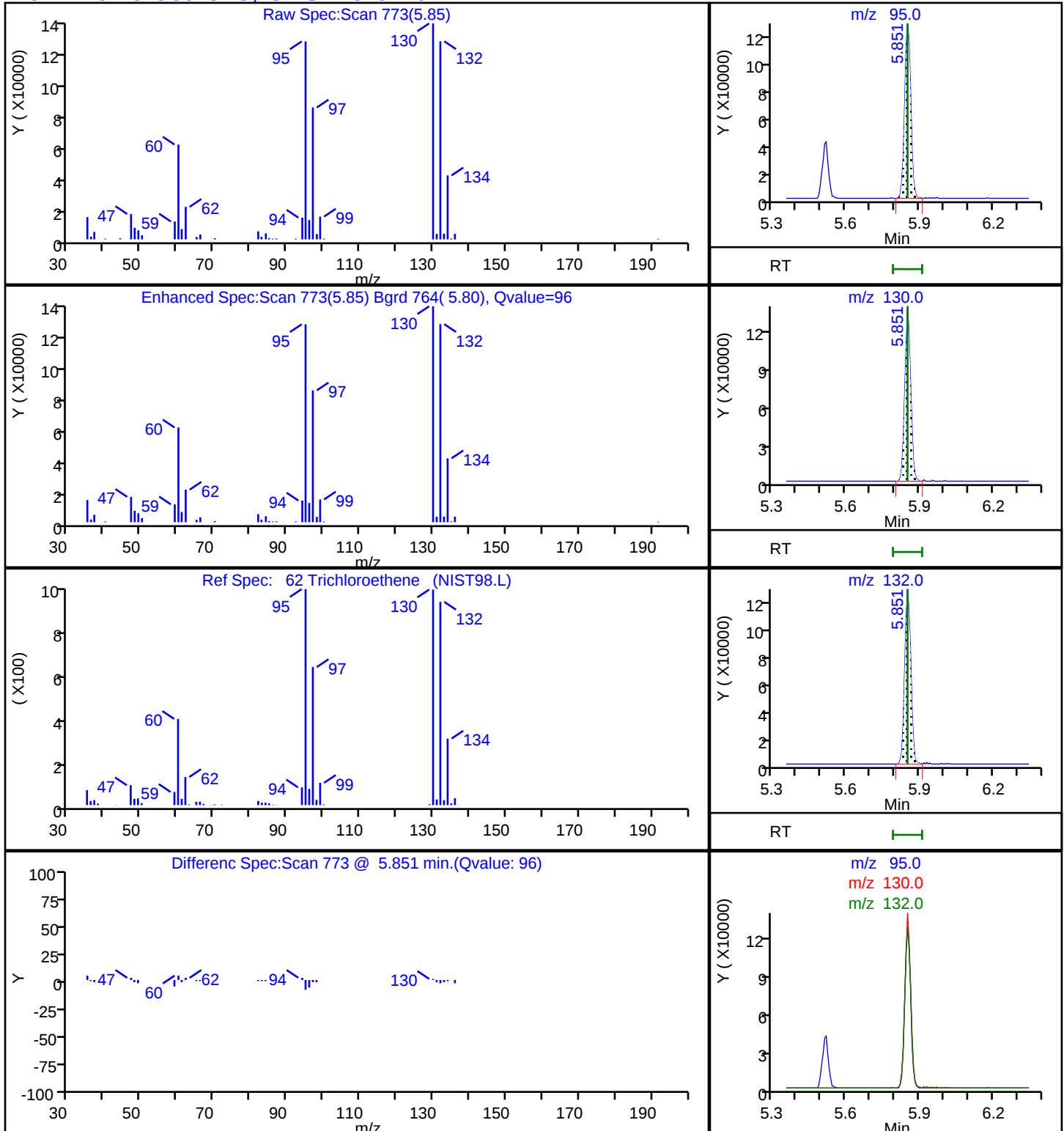
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3293.D

Injection Date: 10-Jul-2018 01:48:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-5

Lab Sample ID: 480-138526-5

Client ID: OW-05 070618

Operator ID: kn

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 5.000 mL

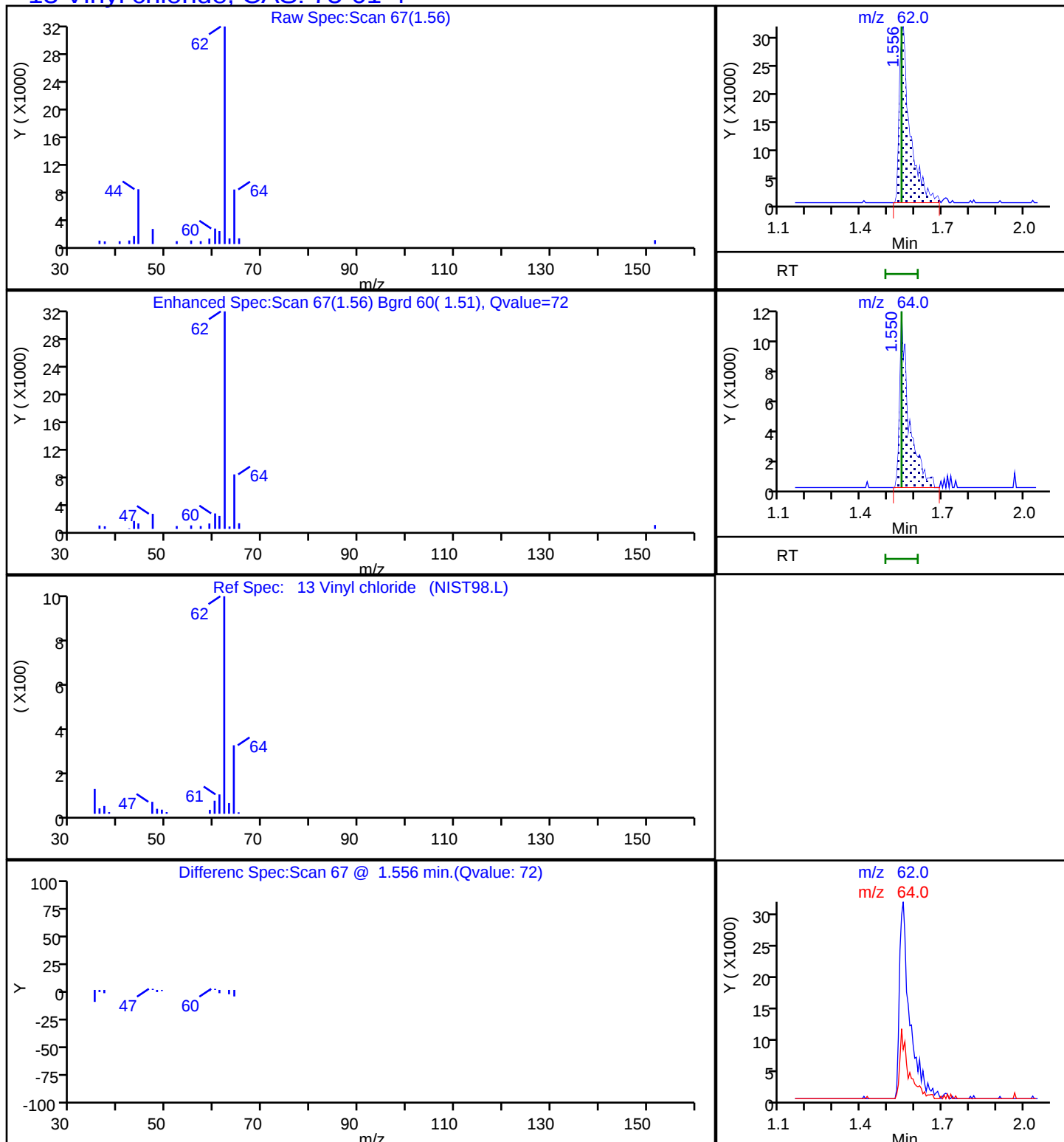
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

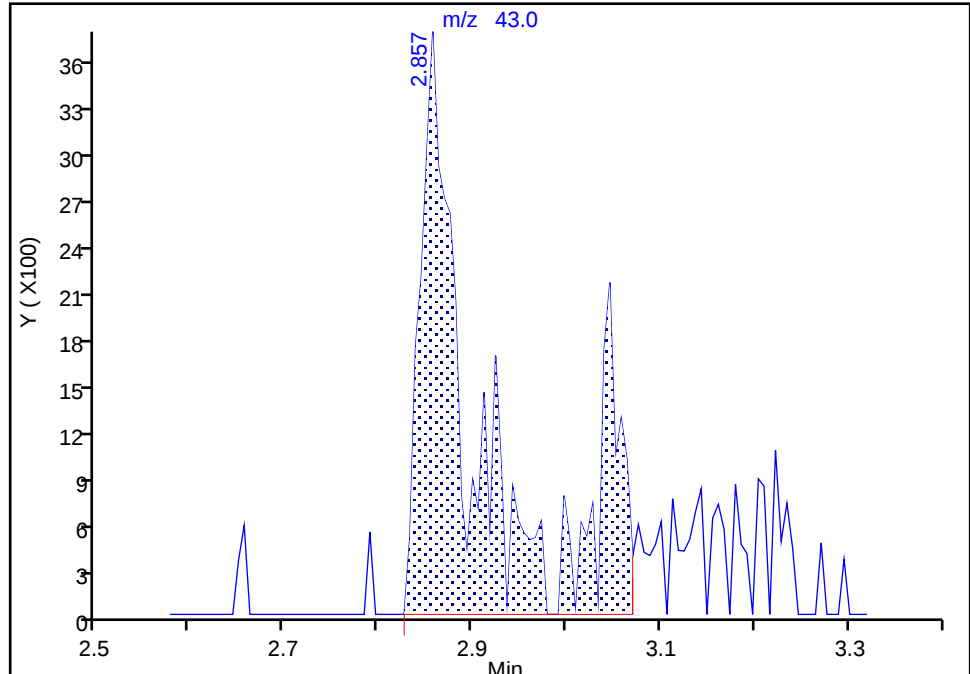
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3293.D
Injection Date: 10-Jul-2018 01:48:30 Instrument ID: HP5973S
Lims ID: 480-138526-A-5 Lab Sample ID: 480-138526-5
Client ID: OW-05 070618
Operator ID: kn ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

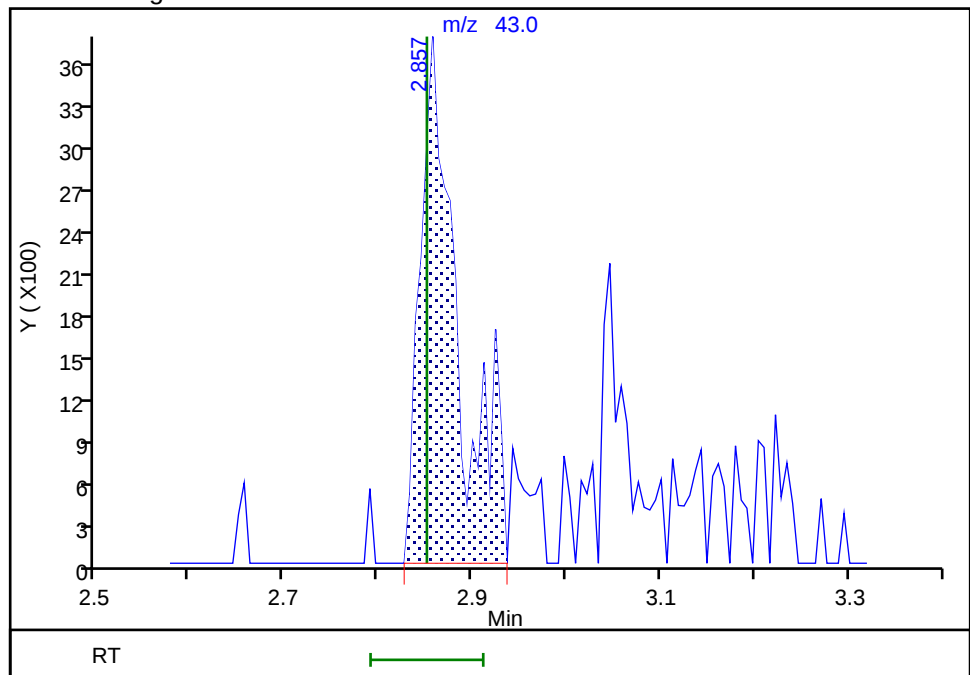
RT: 2.86
Area: 15713
Amount: 5.512555
Amount Units: ug/L

Processing Integration Results



RT: 2.86
Area: 10536
Amount: 3.696320
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 10-Jul-2018 11:10:17
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-07 070618</u>	Lab Sample ID: <u>480-138526-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3294.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 02:11</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423625</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	0.71	J	1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	4.0	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	10		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Client Sample ID: OW-07 070618 Lab Sample ID: 480-138526-6

Matrix: Water Lab File ID: S3294.D

Analysis Method: 8260C Date Collected: 07/06/2018 00:00

Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 02:11

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

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

Analysis Batch No.: 423625 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	14		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	8.6		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Client Sample ID: OW-07 070618 Lab Sample ID: 480-138526-6
Matrix: Water Lab File ID: S3294.D
Analysis Method: 8260C Date Collected: 07/06/2018 00:00
Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 02:11
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 423625 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3294.D
 Lims ID: 480-138526-A-6
 Client ID: OW-07 070618
 Sample Type: Client
 Inject. Date: 10-Jul-2018 02:11:30 ALS Bottle#: 19 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138526-A-6
 Misc. Info.: 480-0072956-020
 Operator ID: kn Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 11:11:21 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: carrolln

Date: 10-Jul-2018 11:12:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	151107	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	300363	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	268465	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	58	190279	26.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	96	125722	26.6	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.019	0.007	93	756523	25.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	90	223488	24.9	
10 Dichlorodifluoromethane	85		1.282				ND	
12 Chloromethane	50		1.470				ND	
13 Vinyl chloride	62	1.543	1.549	-0.006	84	88372	8.60	
14 Bromomethane	94		1.872				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.194				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.705				ND	
22 1,1-Dichloroethene	96		2.717				ND	
23 Acetone	43	2.851	2.857	0.000	66	11700	4.02	
26 Carbon disulfide	76		2.924				ND	
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.259				ND	
32 Methyl tert-butyl ether	73		3.454				ND	
34 trans-1,2-Dichloroethene	96		3.472				ND	
39 1,1-Dichloroethane	63	3.892	3.898	-0.006	56	11399	0.7084	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	80	91891	10.5	
43 2-Butanone (MEK)	43		4.494				ND	
50 Chloroform	83		4.774				ND	
51 1,1,1-Trichloroethane	97	4.889	4.889	0.012	36	4223	0.4036	
52 Cyclohexane	56		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78		5.236				ND	
58 1,2-Dichloroethane	62		5.309				ND	
62 Trichloroethene	95	5.850	5.850	0.000	96	112145	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.960				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.806				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.946				ND	
74 Toluene	92		7.092				ND	
77 trans-1,3-Dichloropropene	75		7.377				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.615				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.961				ND	
84 Ethylene Dibromide	107		8.071				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91		8.631				ND	
90 m-Xylene & p-Xylene	106		8.752				ND	
91 o-Xylene	106		9.178				ND	
92 Styrene	104		9.209				ND	
95 Bromoform	173		9.464				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.827				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3294.D

Injection Date: 10-Jul-2018 02:11:30

Instrument ID: HP5973S

Operator ID: kn

Lims ID: 480-138526-A-6

Lab Sample ID: 480-138526-6

Worklist Smp#: 20

Client ID: OW-07 070618

Purge Vol: 5.000 mL

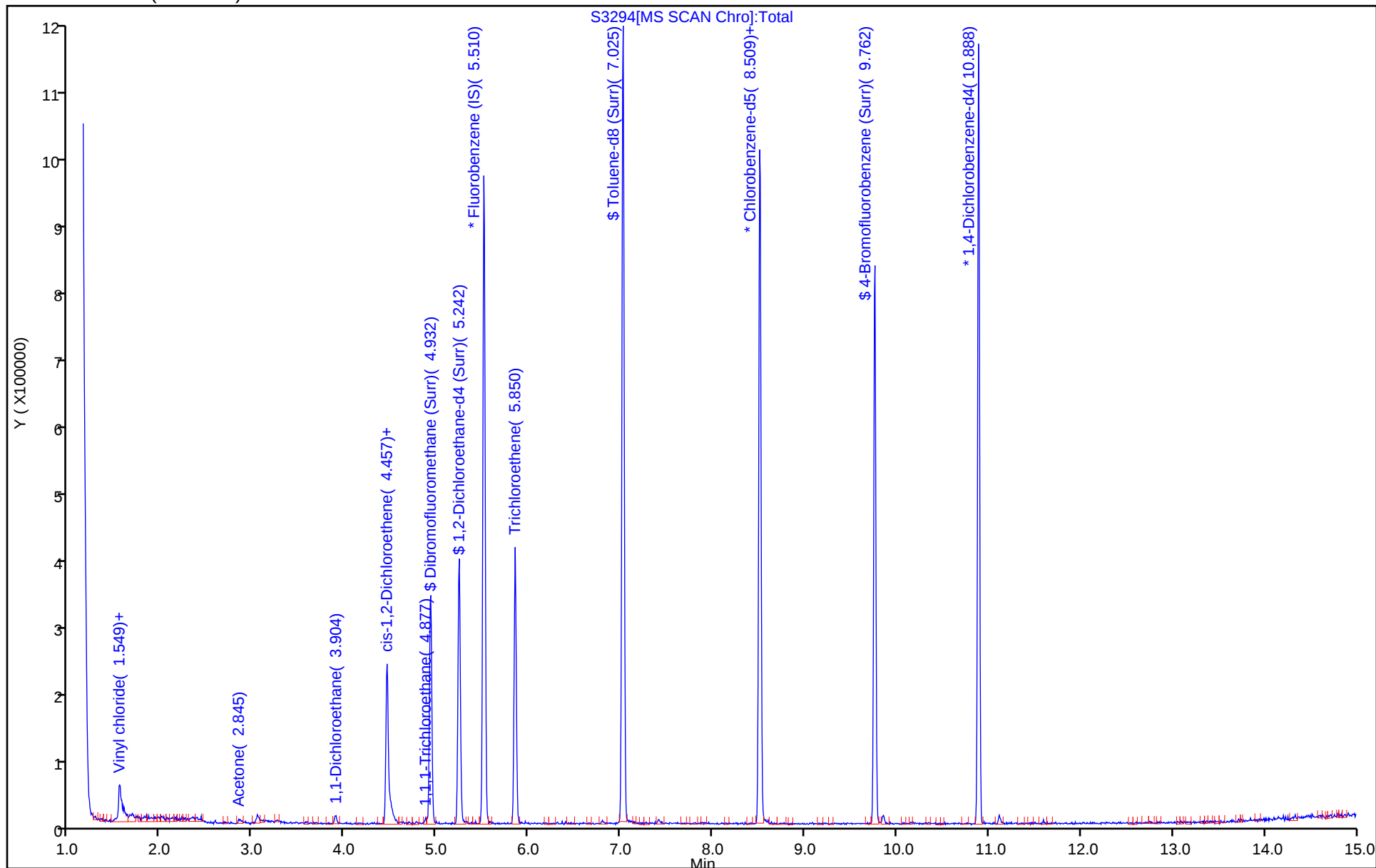
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3294.D

Injection Date: 10-Jul-2018 02:11:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-6

Lab Sample ID: 480-138526-6

Client ID: OW-07 070618

Operator ID: kn

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 5.000 mL

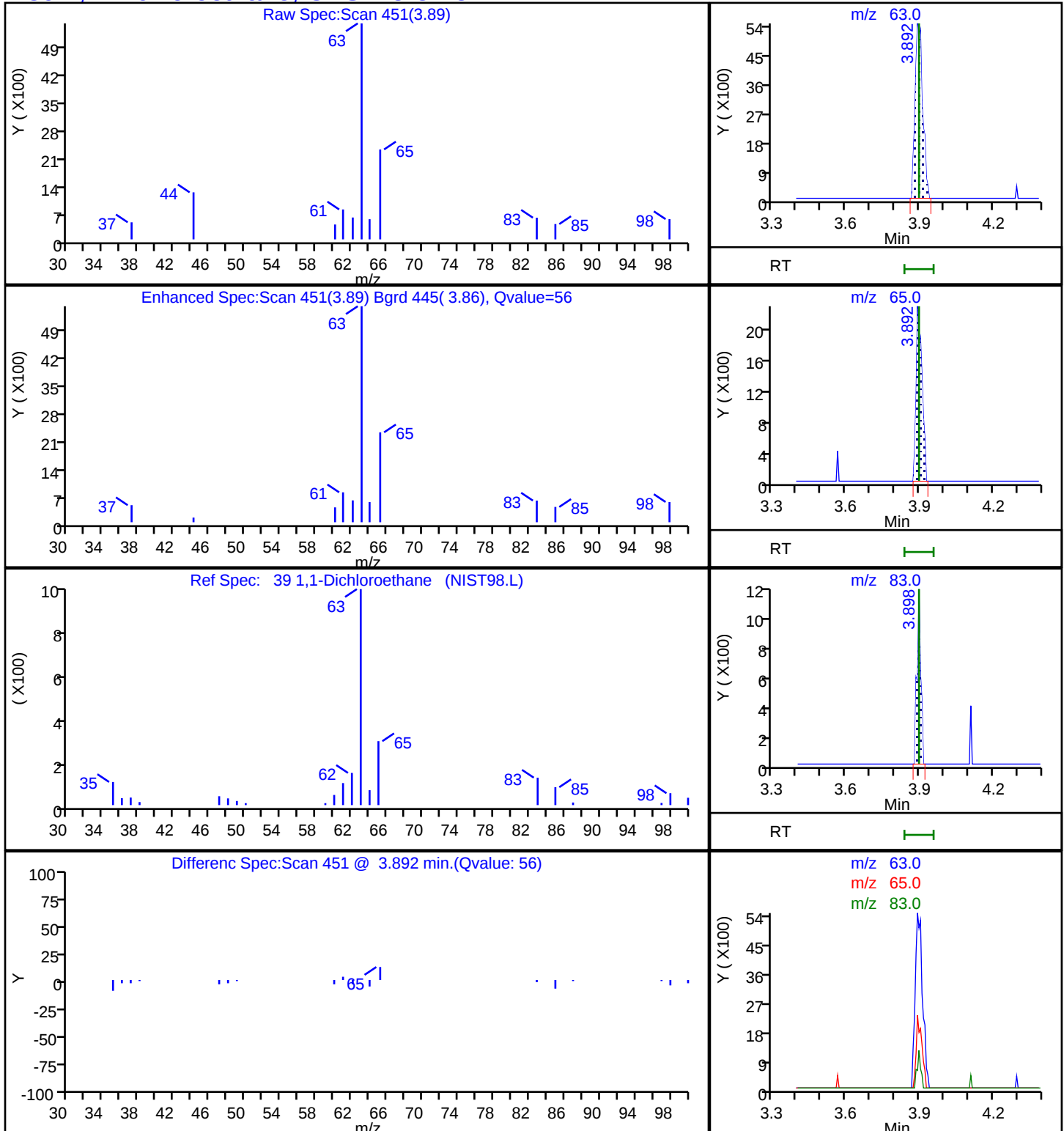
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3294.D

Injection Date: 10-Jul-2018 02:11:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-6

Lab Sample ID: 480-138526-6

Client ID: OW-07 070618

Operator ID: kn

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 5.000 mL

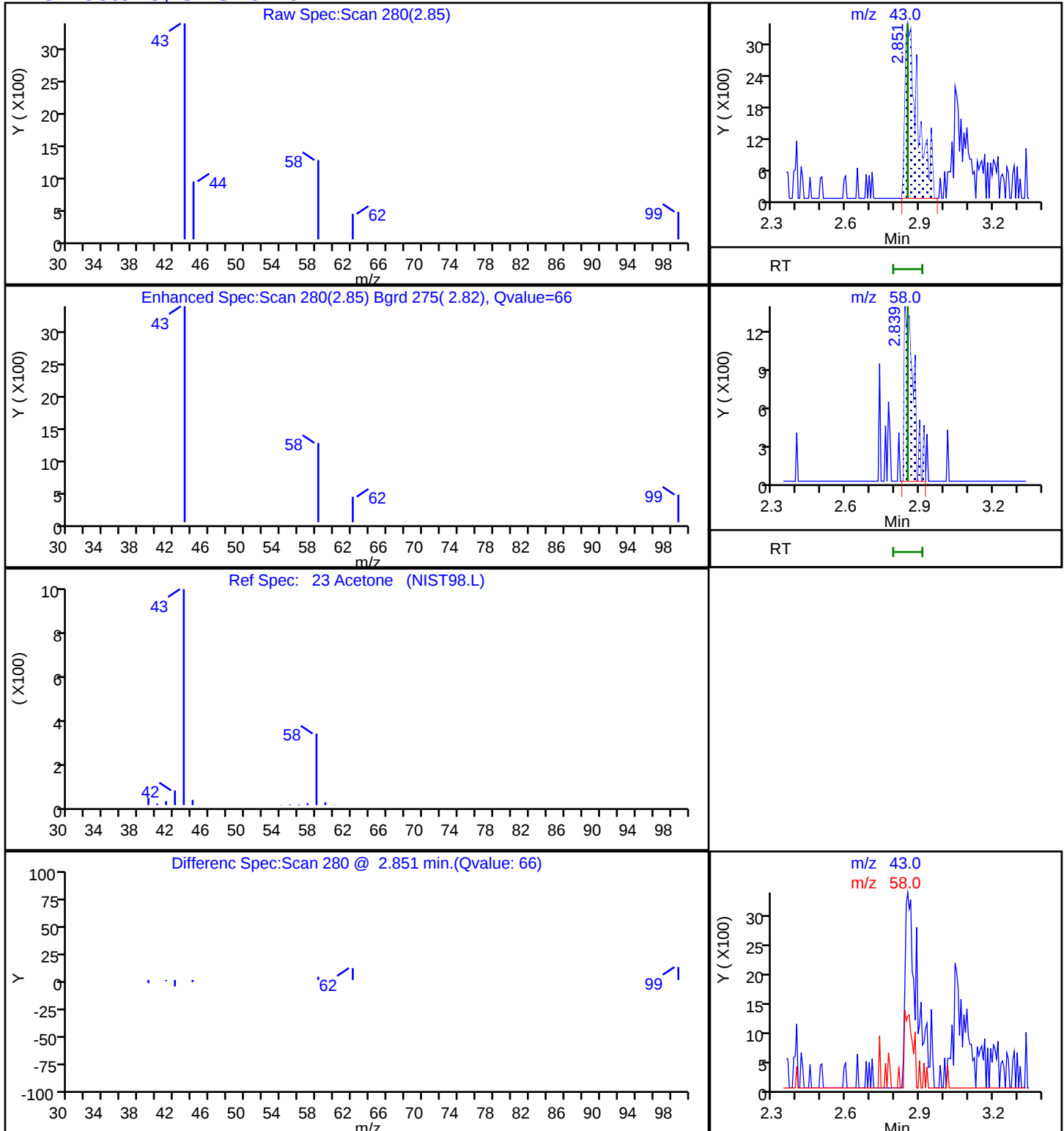
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3294.D

Injection Date: 10-Jul-2018 02:11:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-6

Lab Sample ID: 480-138526-6

Client ID: OW-07 070618

Operator ID: kn

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 5.000 mL

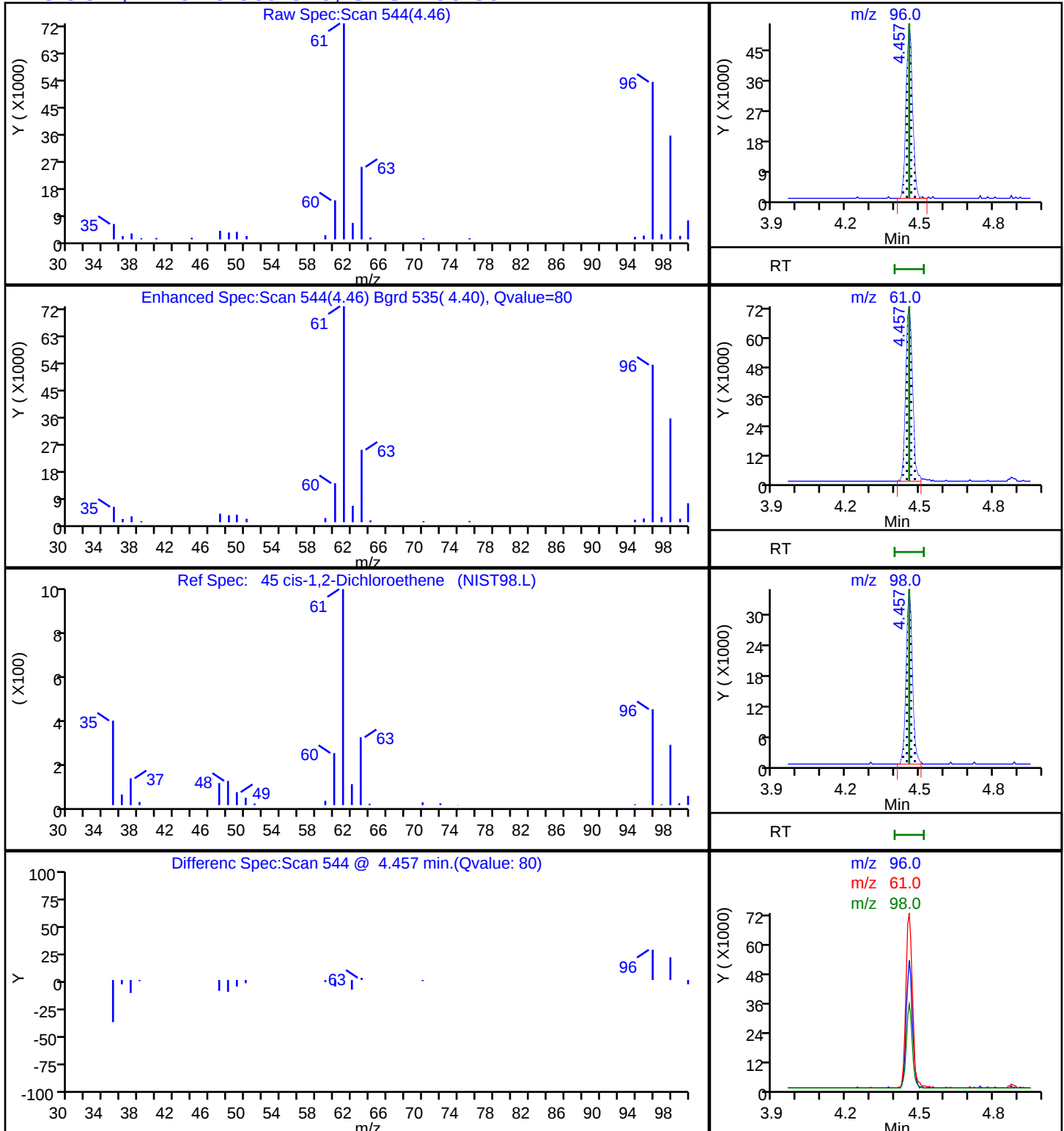
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3294.D

Injection Date: 10-Jul-2018 02:11:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-6

Lab Sample ID: 480-138526-6

Client ID: OW-07 070618

Operator ID: kn

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 5.000 mL

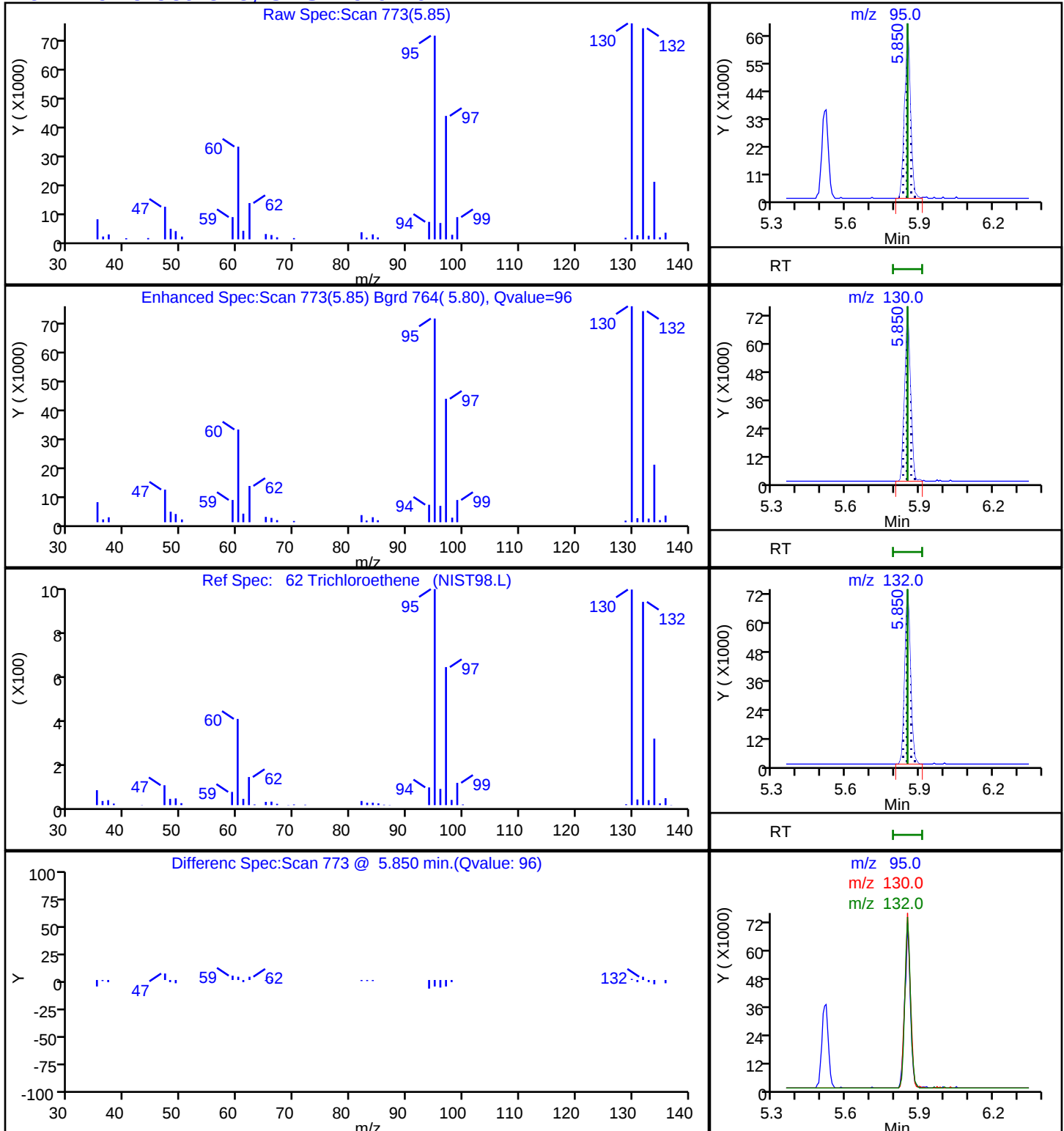
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3294.D

Injection Date: 10-Jul-2018 02:11:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-6

Lab Sample ID: 480-138526-6

Client ID: OW-07 070618

Operator ID: kn

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 5.000 mL

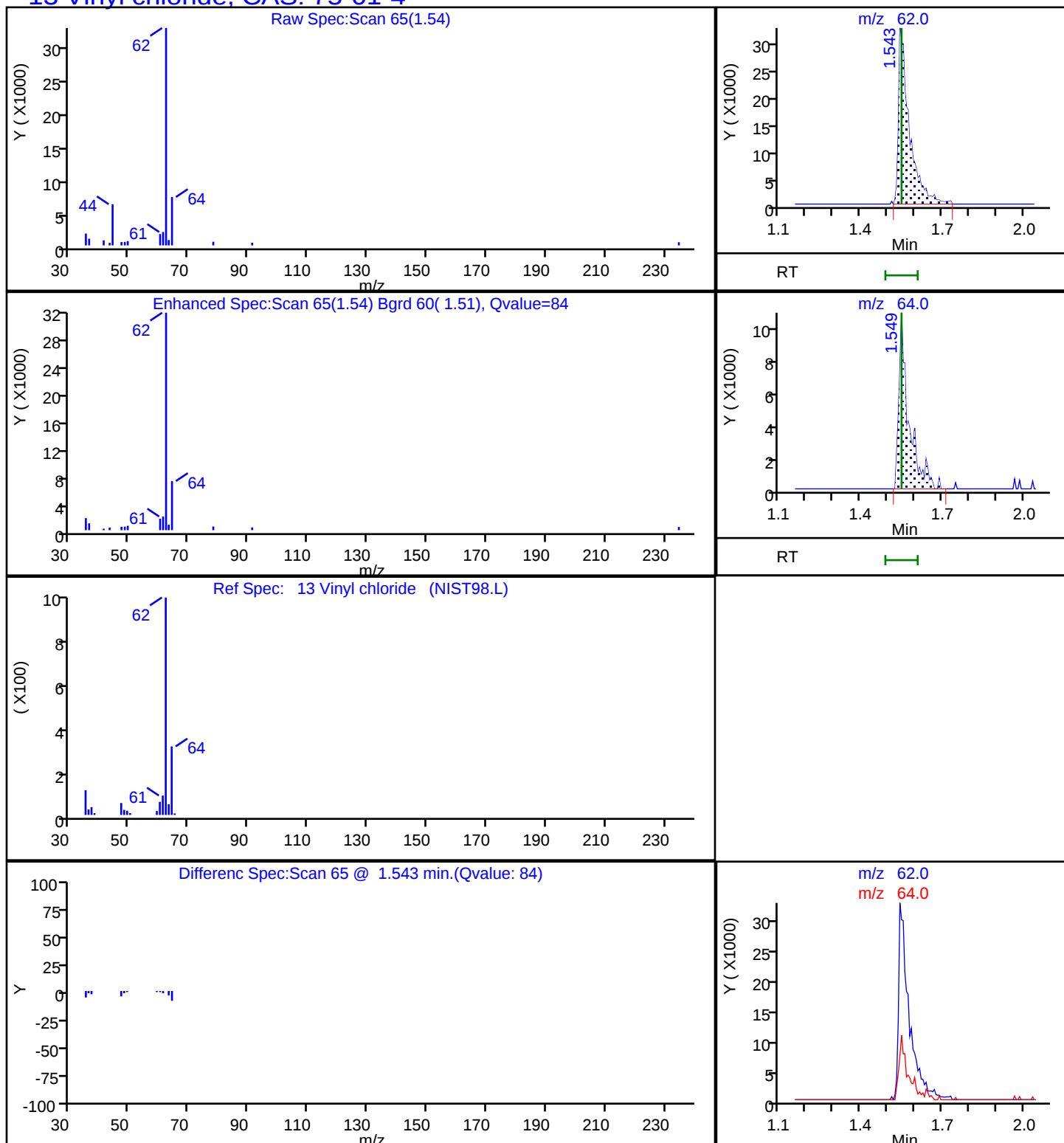
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-04 070618</u>	Lab Sample ID: <u>480-138526-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>T0456.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 19:49</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423660</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	0.83	J	1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	4.5	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	10		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-04 070618</u>	Lab Sample ID: <u>480-138526-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>T0456.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 19:49</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423660</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	25		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	4.4		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Client Sample ID: OW-04 070618 Lab Sample ID: 480-138526-7
Matrix: Water Lab File ID: T0456.D
Analysis Method: 8260C Date Collected: 07/06/2018 00:00
Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 19:49
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 423660 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0456.D
 Lims ID: 480-138526-B-7
 Client ID: OW-04 070618
 Sample Type: Client
 Inject. Date: 10-Jul-2018 19:49:30 ALS Bottle#: 21 Worklist Smp#: 31
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138526-b-7
 Misc. Info.: 480-0072965-031
 Operator ID: ZV Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 20:24:48 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK014

First Level Reviewer: milligana

Date: 10-Jul-2018 20:24:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	98	170968	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.180	-0.010	89	727458	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.046	9.046	0.000	96	408214	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	92	224087	26.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	287887	27.3	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.042	0.000	95	751251	23.9	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.101	0.000	0	250106	26.0	
11 Dichlorodifluoromethane	85		1.232				ND	
13 Chloromethane	50		1.418				ND	
14 Vinyl chloride	62	1.481	1.491	-0.010	96	52964	4.43	
15 Bromomethane	94		1.781				ND	
16 Chloroethane	64	1.833	1.854	-0.021	22	1826	0.2469	
17 Trichlorofluoromethane	101		2.061				ND	
22 1,1-Dichloroethene	96		2.538				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.548				ND	
23 Acetone	43	2.641	2.641	0.000	97	13752	4.46	
25 Carbon disulfide	76		2.714				ND	
28 Methyl acetate	43		2.911				ND	
30 Methylene Chloride	84		3.004				ND	
33 Methyl tert-butyl ether	73		3.180				ND	
32 trans-1,2-Dichloroethene	96		3.190				ND	Ua
36 1,1-Dichloroethane	63	3.553	3.564	-0.011	95	15027	0.8261	
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	85	114712	10.3	
44 2-Butanone (MEK)	43		4.061				ND	
50 Chloroform	83		4.289				ND	
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	59	8026	0.5640	
52 Cyclohexane	56		4.393				ND	
53 Carbon tetrachloride	117		4.496				ND	
55 Benzene	78		4.662				ND	
57 1,2-Dichloroethane	62		4.724				ND	
60 Trichloroethene	95	5.149	5.149	0.000	91	246773	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.242				ND	
63 1,2-Dichloropropane	63		5.336				ND	
67 Dichlorobromomethane	83		5.564				ND	
71 cis-1,3-Dichloropropene	75		5.885				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.989				ND	
73 Toluene	92		6.103				ND	
75 trans-1,3-Dichloropropene	75		6.310				ND	
78 1,1,2-Trichloroethane	83		6.465				ND	
79 Tetrachloroethene	166		6.507				ND	
81 2-Hexanone	43		6.621				ND	U
82 Chlorodibromomethane	129		6.766				ND	
83 Ethylene Dibromide	107		6.849				ND	
86 Chlorobenzene	112		7.201				ND	
88 Ethylbenzene	91		7.253				ND	
90 m-Xylene & p-Xylene	106		7.346				ND	
91 o-Xylene	106		7.667				ND	
92 Styrene	104		7.688				ND	
93 Bromoform	173		7.885				ND	
95 Isopropylbenzene	105		7.947				ND	
98 1,1,2,2-Tetrachloroethane	83		8.258				ND	
110 1,3-Dichlorobenzene	146		8.983				ND	
113 1,4-Dichlorobenzene	146		9.056				ND	
116 1,2-Dichlorobenzene	146		9.377				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.051				ND	
119 1,2,4-Trichlorobenzene	180		10.693				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

T_8260_IS_00196

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00173

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0456.D

Injection Date: 10-Jul-2018 19:49:30

Instrument ID: HP5975T

Operator ID: ZV

Lims ID: 480-138526-B-7

Lab Sample ID: 480-138526-7

Worklist Smp#: 31

Client ID: OW-04 070618

Purge Vol: 5.000 mL

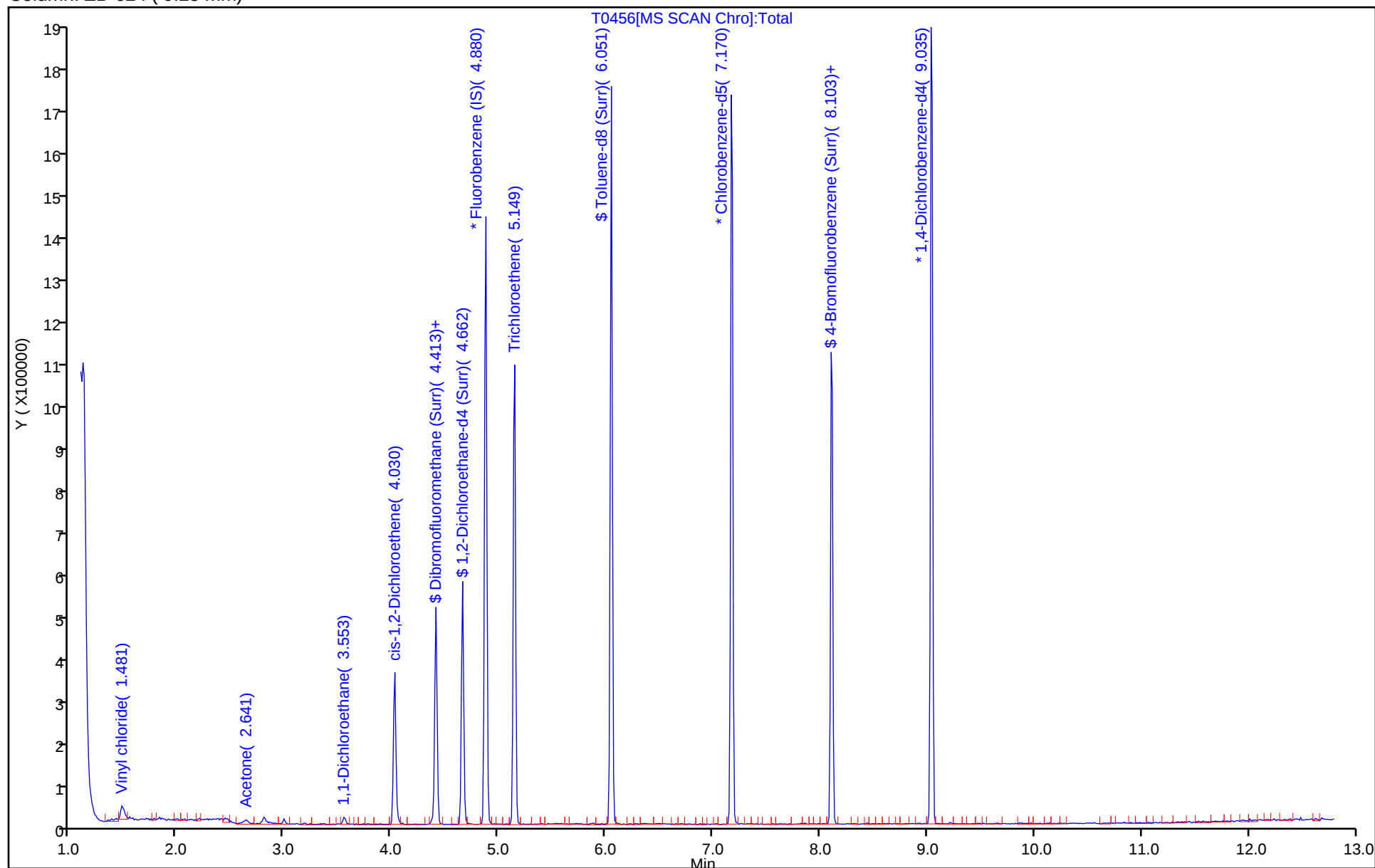
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0456.D

Injection Date: 10-Jul-2018 19:49:30

Instrument ID: HP5975T

Lims ID: 480-138526-B-7

Lab Sample ID: 480-138526-7

Client ID: OW-04 070618

Operator ID: ZV

ALS Bottle#: 21

Worklist Smp#: 31

Purge Vol: 5.000 mL

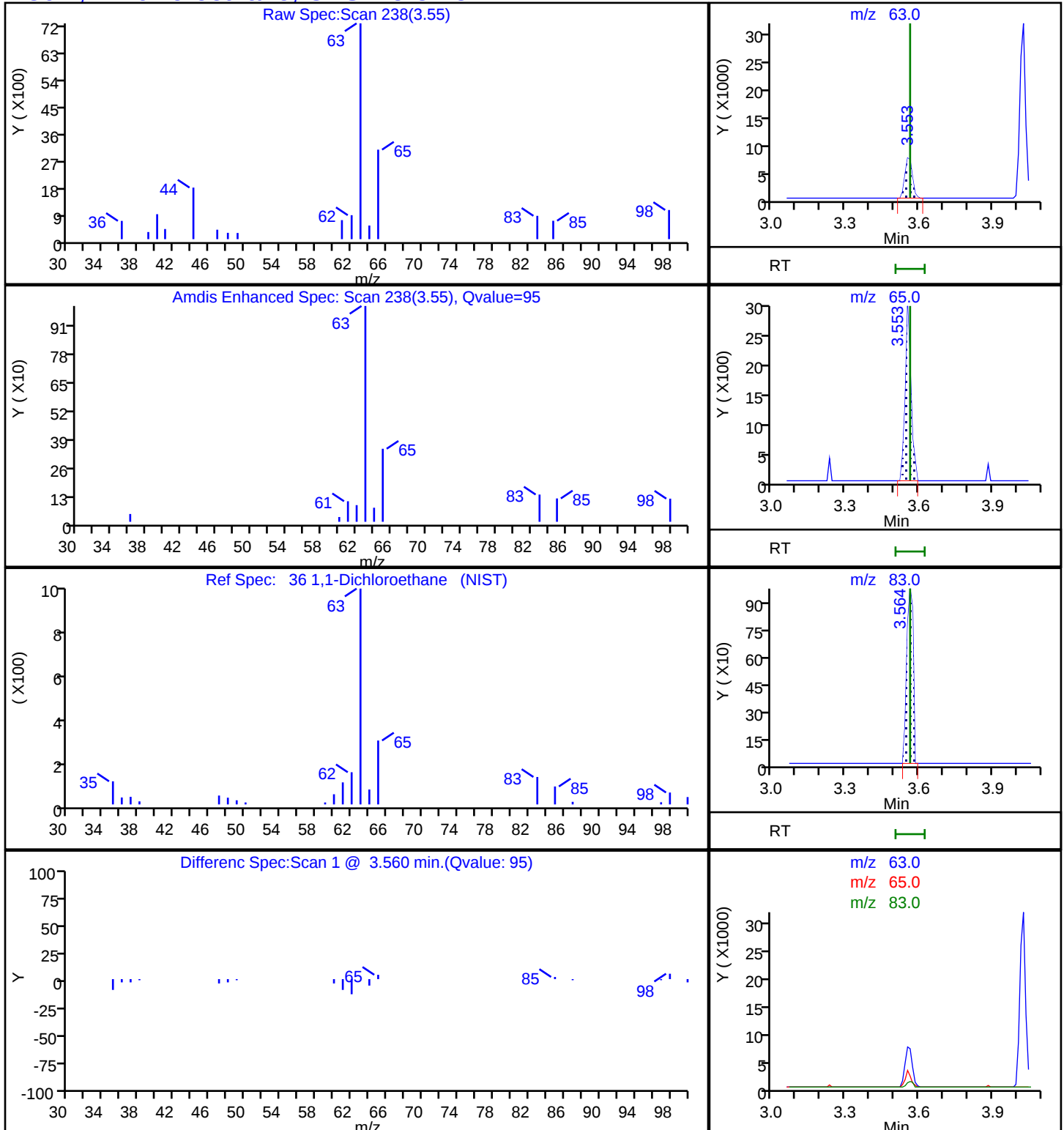
Dil. Factor: 1.0000

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: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0456.D

Injection Date: 10-Jul-2018 19:49:30

Instrument ID: HP5975T

Lims ID: 480-138526-B-7

Lab Sample ID: 480-138526-7

Client ID: OW-04 070618

Operator ID: ZV

ALS Bottle#: 21

Worklist Smp#: 31

Purge Vol: 5.000 mL

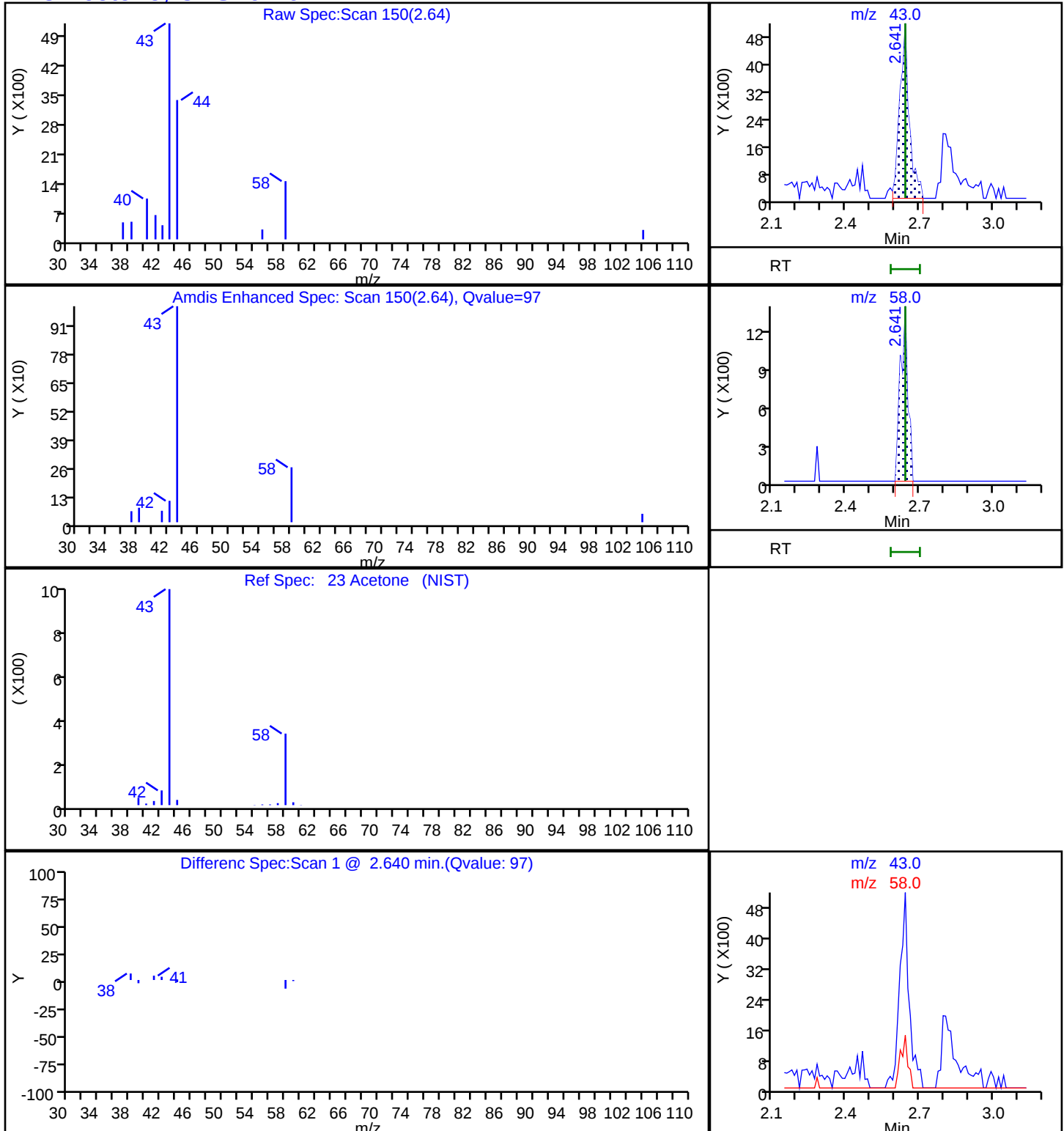
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0456.D

Injection Date: 10-Jul-2018 19:49:30

Instrument ID: HP5975T

Lims ID: 480-138526-B-7

Lab Sample ID: 480-138526-7

Client ID: OW-04 070618

Operator ID: ZV

ALS Bottle#: 21

Worklist Smp#: 31

Purge Vol: 5.000 mL

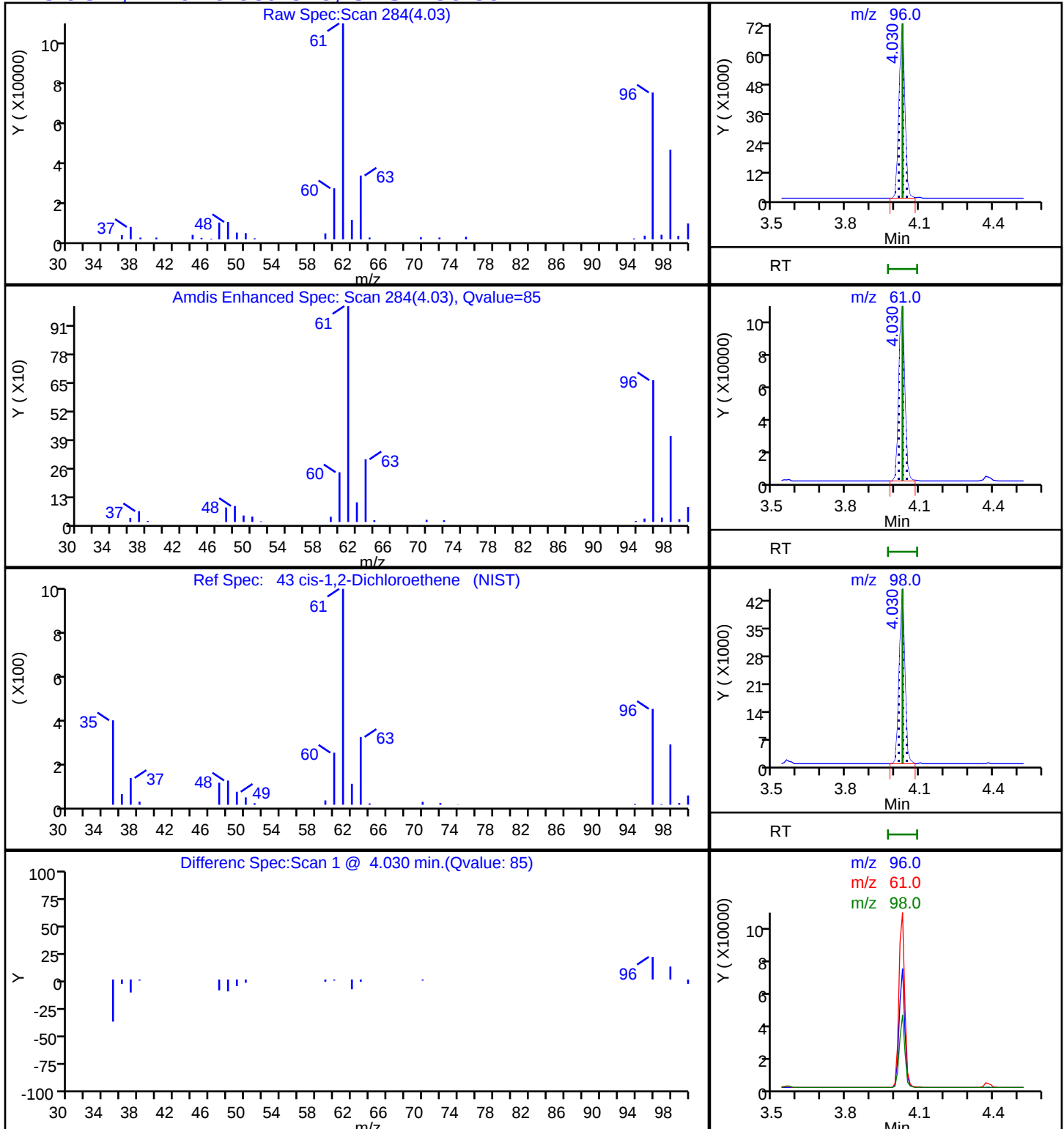
Dil. Factor: 1.0000

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: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0456.D

Injection Date: 10-Jul-2018 19:49:30

Instrument ID: HP5975T

Lims ID: 480-138526-B-7

Lab Sample ID: 480-138526-7

Client ID: OW-04 070618

Operator ID: ZV

ALS Bottle#: 21

Worklist Smp#: 31

Purge Vol: 5.000 mL

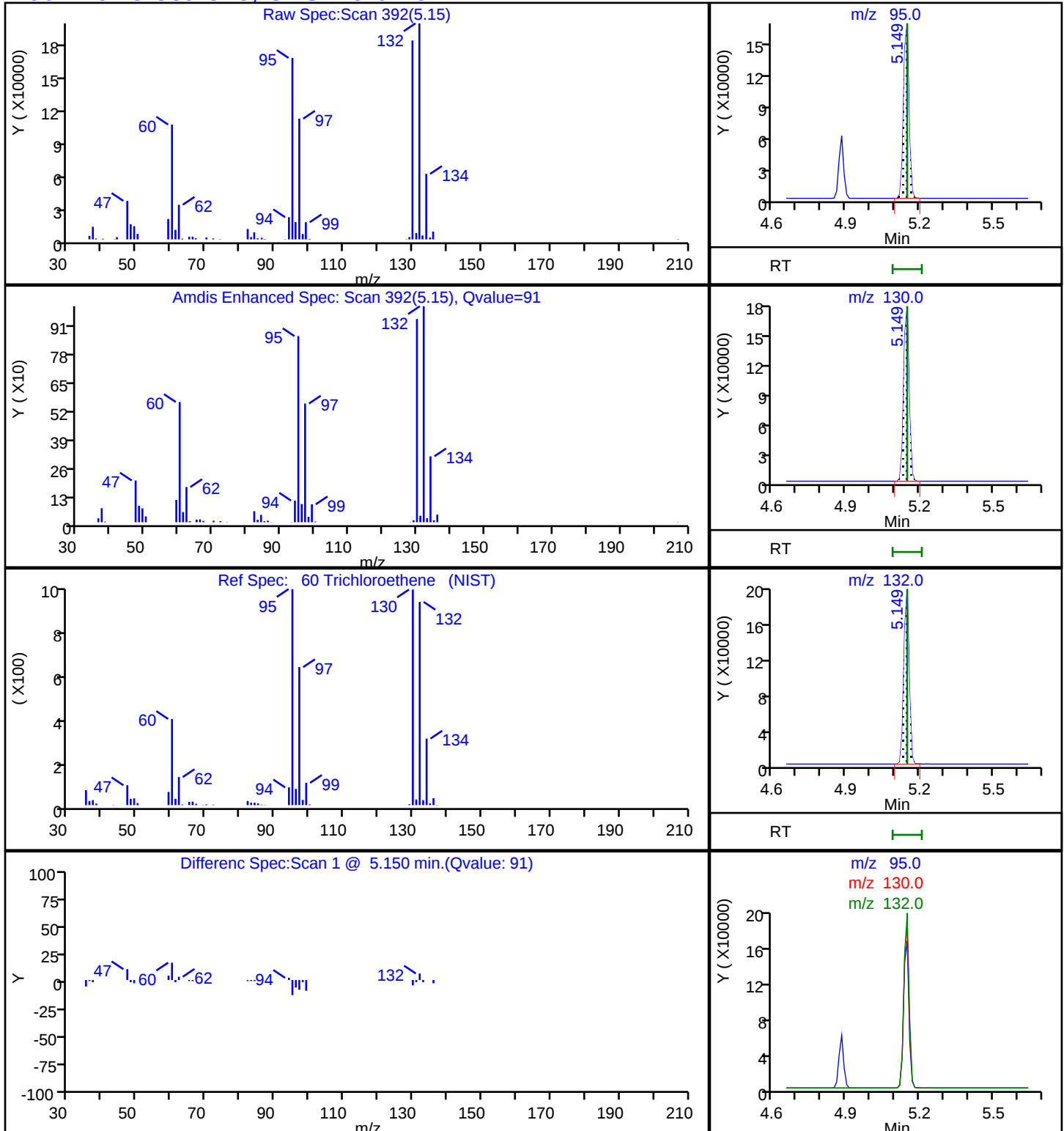
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0456.D

Injection Date: 10-Jul-2018 19:49:30

Instrument ID: HP5975T

Lims ID: 480-138526-B-7

Lab Sample ID: 480-138526-7

Client ID: OW-04 070618

Operator ID: ZV

ALS Bottle#: 21

Worklist Smp#: 31

Purge Vol: 5.000 mL

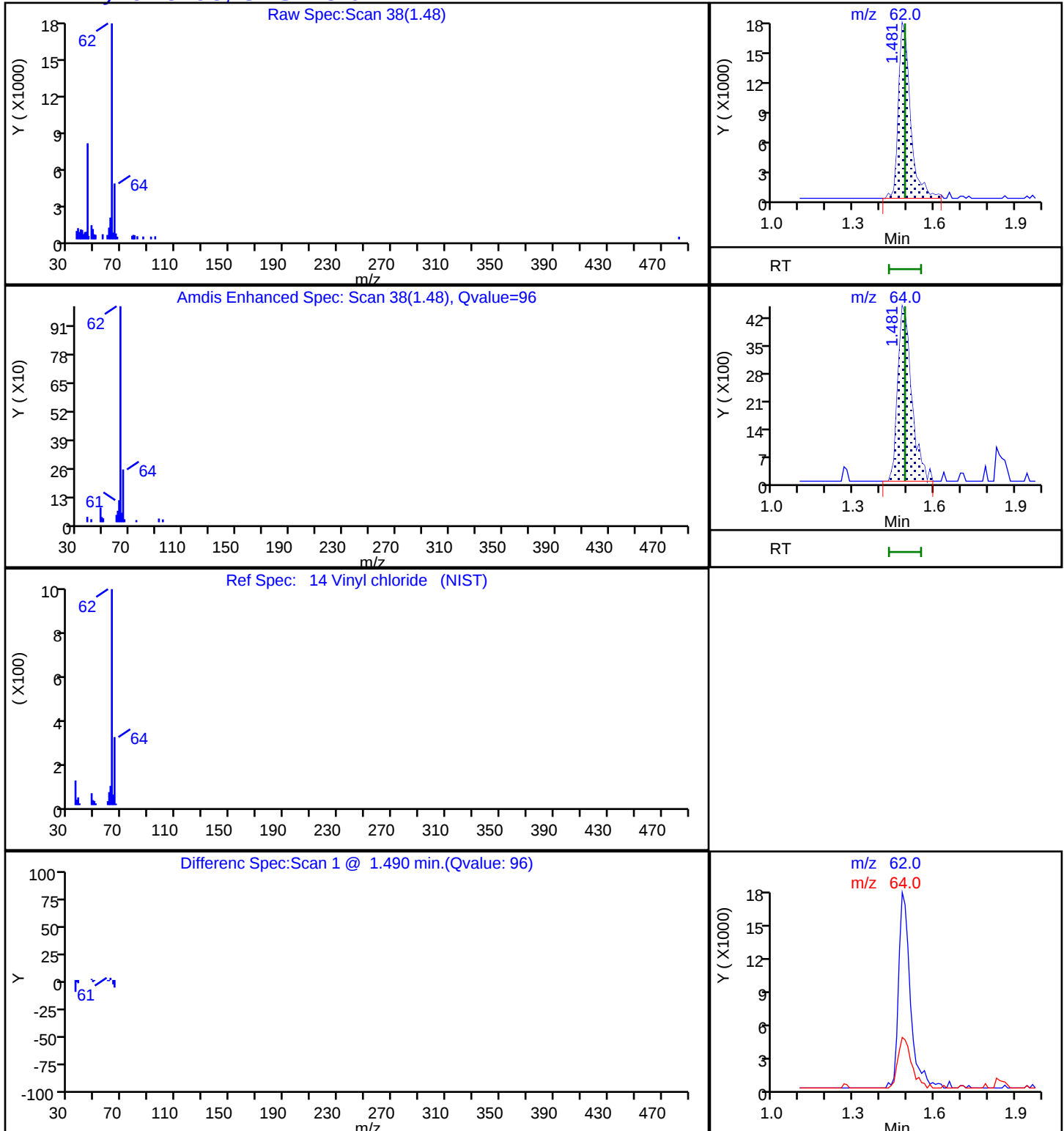
Dil. Factor: 1.0000

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: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0456.D

Injection Date: 10-Jul-2018 19:49:30

Instrument ID: HP5975T

Lims ID: 480-138526-B-7

Lab Sample ID: 480-138526-7

Client ID: OW-04 070618

Operator ID: ZV

ALS Bottle#: 21 Worklist Smp#: 31

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

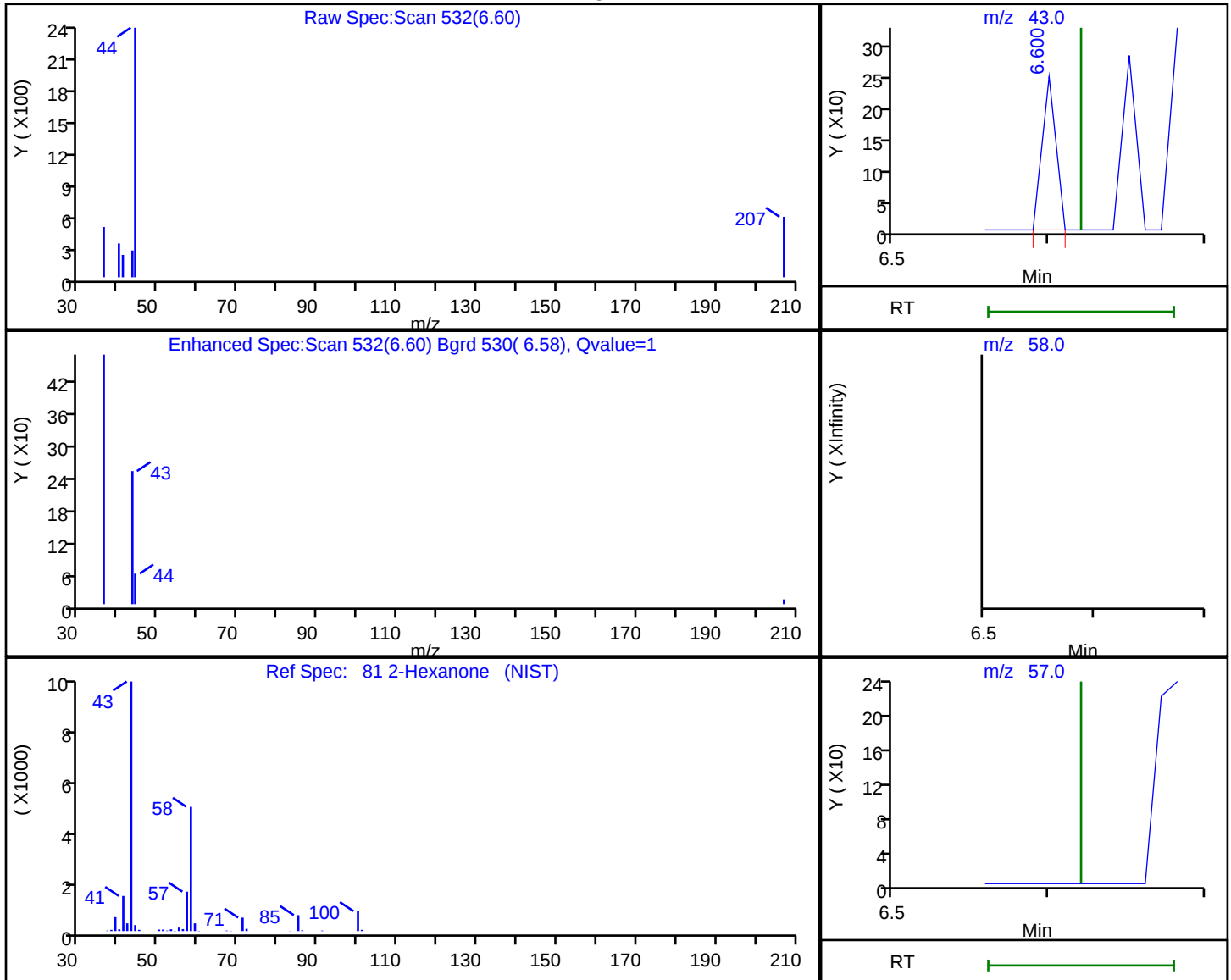
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

81 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
6.60	43.00	154	0.024686
6.62	58.00	0	
6.62	57.00	0	

Reviewer: milligana, 10-Jul-2018 20:24:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Client Sample ID: OW-09 070618 Lab Sample ID: 480-138526-8

Matrix: Water Lab File ID: S3296.D

Analysis Method: 8260C Date Collected: 07/06/2018 00:00

Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 02:34

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

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

Analysis Batch No.: 423625 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Client Sample ID: OW-09 070618 Lab Sample ID: 480-138526-8
 Matrix: Water Lab File ID: S3296.D
 Analysis Method: 8260C Date Collected: 07/06/2018 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 02:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 423625 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	24		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	3.7		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Client Sample ID: OW-09 070618 Lab Sample ID: 480-138526-8
Matrix: Water Lab File ID: S3296.D
Analysis Method: 8260C Date Collected: 07/06/2018 00:00
Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 02:34
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 423625 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3296.D
 Lims ID: 480-138526-A-8
 Client ID: OW-09 070618
 Sample Type: Client
 Inject. Date: 10-Jul-2018 02:34:30 ALS Bottle#: 21 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138526-A-8
 Misc. Info.: 480-0072956-022
 Operator ID: kn Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 11:14:03 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: carrolln

Date: 10-Jul-2018 11:14:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	147856	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	298599	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	273105	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	57	188249	26.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	99	126371	27.3	
\$ 5 Toluene-d8 (Surr)	98	7.024	7.019	0.006	93	740952	25.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	88	215803	24.2	
10 Dichlorodifluoromethane	85		1.282				ND	
12 Chloromethane	50		1.470				ND	
13 Vinyl chloride	62	1.555	1.549	0.006	82	36848	3.66	
14 Bromomethane	94		1.872				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.194				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.705				ND	
22 1,1-Dichloroethene	96		2.717				ND	
23 Acetone	43	2.863	2.863	0.012	70	6546	2.30	M
26 Carbon disulfide	76		2.924				ND	
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.259				ND	
32 Methyl tert-butyl ether	73		3.454				ND	
34 trans-1,2-Dichloroethene	96		3.472				ND	
39 1,1-Dichloroethane	63		3.898				ND	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	75	25895	3.01	
43 2-Butanone (MEK)	43		4.494				ND	
50 Chloroform	83		4.774				ND	
51 1,1,1-Trichloroethane	97		4.877				ND	
52 Cyclohexane	56		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78		5.236				ND	
58 1,2-Dichloroethane	62		5.309				ND	
62 Trichloroethene	95	5.850	5.850	0.000	95	194834	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.960				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.806				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.946				ND	
74 Toluene	92		7.092				ND	
77 trans-1,3-Dichloropropene	75		7.377				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.615				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.961				ND	
84 Ethylene Dibromide	107		8.071				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91		8.631				ND	
90 m-Xylene & p-Xylene	106		8.752				ND	
91 o-Xylene	106		9.178				ND	
92 Styrene	104		9.209				ND	
95 Bromoform	173		9.464				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.827				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3296.D

Injection Date: 10-Jul-2018 02:34:30

Instrument ID: HP5973S

Operator ID: kn

Lims ID: 480-138526-A-8

Lab Sample ID: 480-138526-8

Worklist Smp#: 22

Client ID: OW-09 070618

Purge Vol: 5.000 mL

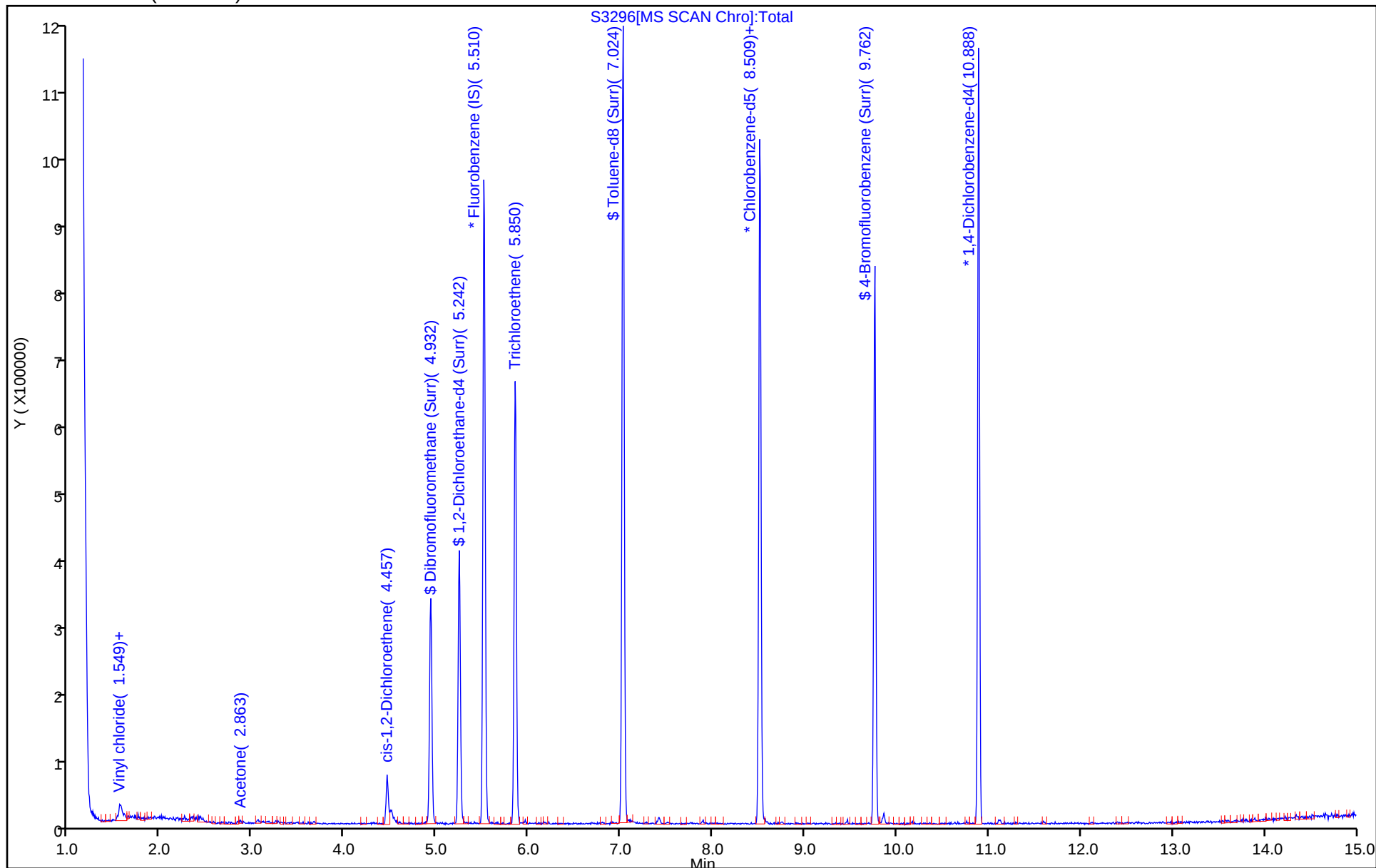
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3296.D

Injection Date: 10-Jul-2018 02:34:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-8

Lab Sample ID: 480-138526-8

Client ID: OW-09 070618

Operator ID: kn

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 5.000 mL

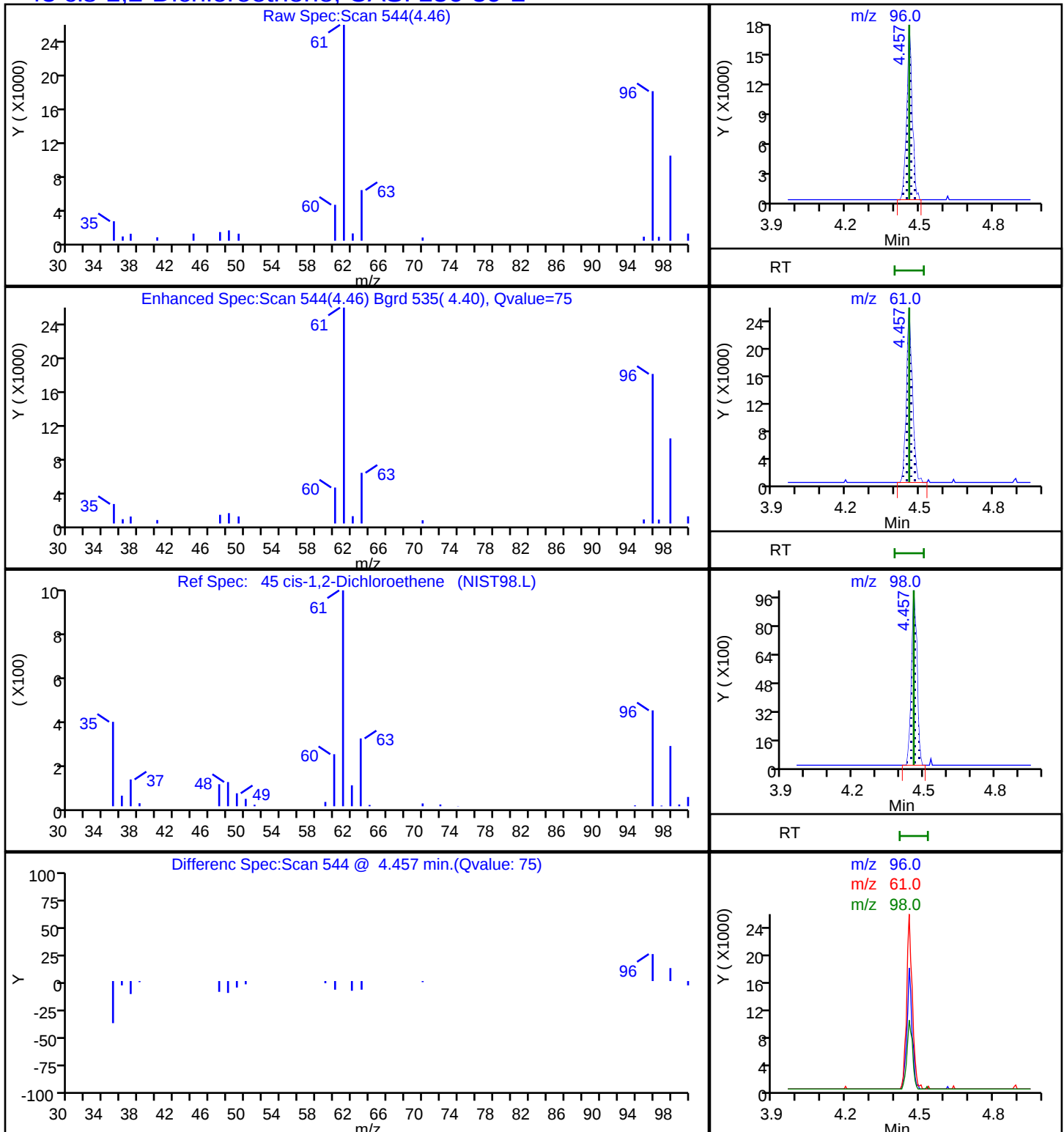
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3296.D

Injection Date: 10-Jul-2018 02:34:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-8

Lab Sample ID: 480-138526-8

Client ID: OW-09 070618

Operator ID: kn

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 5.000 mL

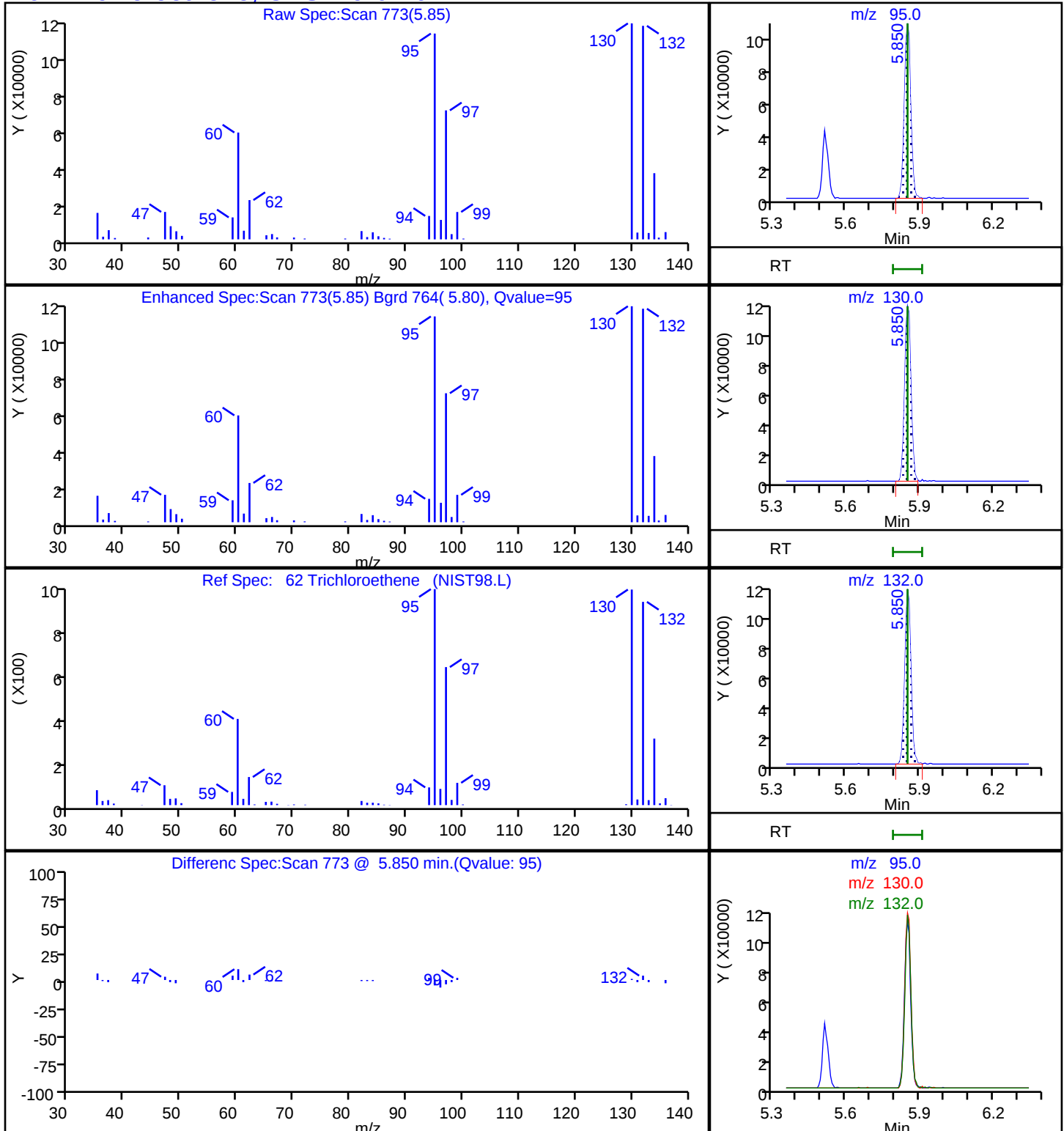
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180709-72956.b\\S3296.D

Injection Date: 10-Jul-2018 02:34:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-8

Lab Sample ID: 480-138526-8

Client ID: OW-09 070618

Operator ID: kn

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 5.000 mL

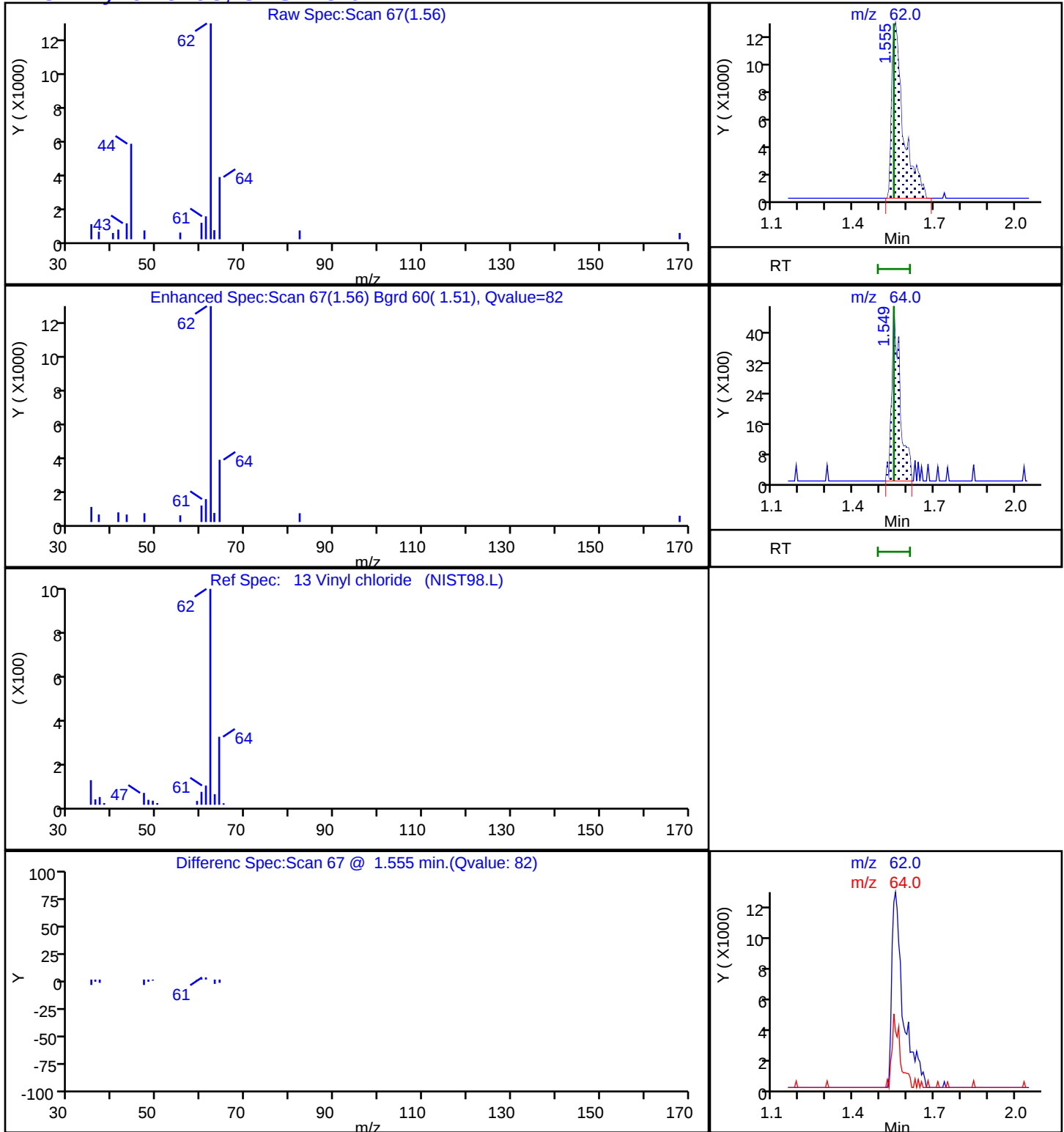
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

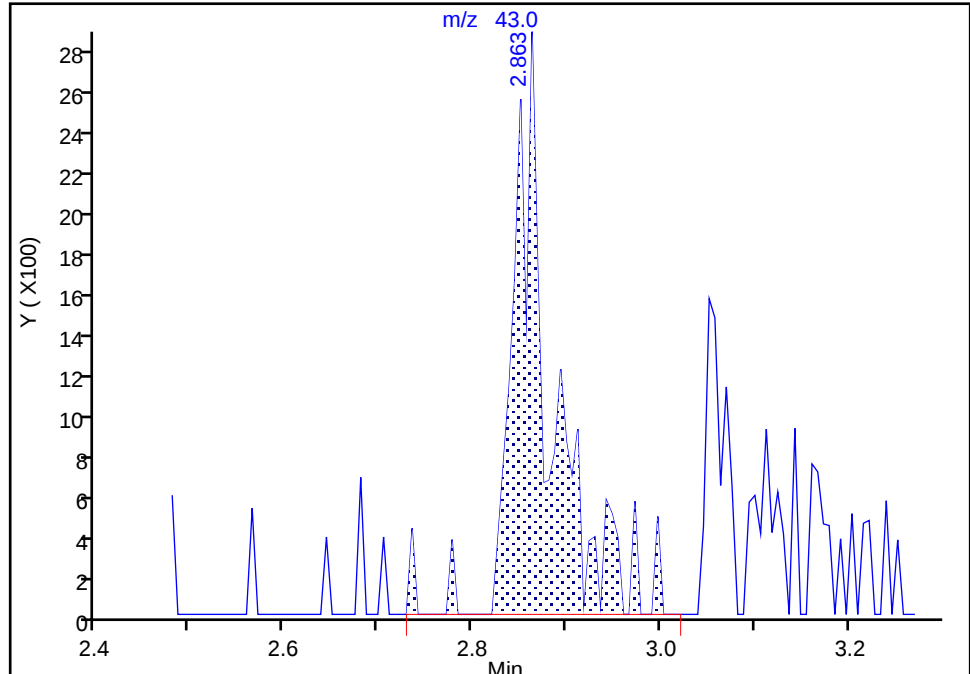
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3296.D
Injection Date: 10-Jul-2018 02:34:30 Instrument ID: HP5973S
Lims ID: 480-138526-A-8 Lab Sample ID: 480-138526-8
Client ID: OW-09 070618
Operator ID: kn ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

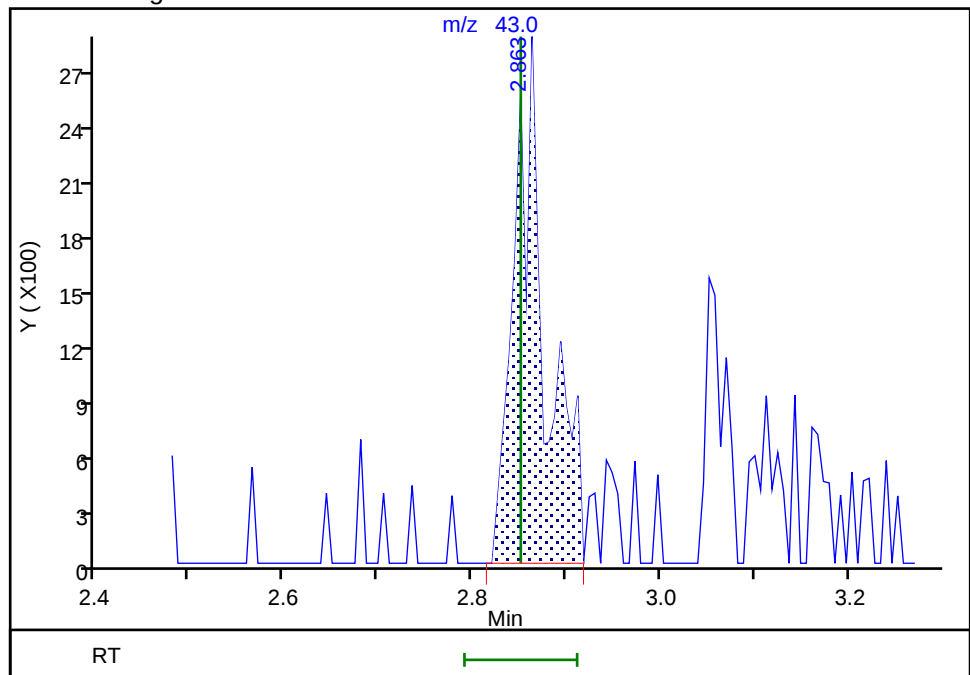
RT: 2.86
Area: 7998
Amount: 2.811575
Amount Units: ug/L

Processing Integration Results



RT: 2.86
Area: 6546
Amount: 2.301147
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 10-Jul-2018 11:13:15
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 165 of 503

07/11/2018

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>BLIND DUP</u>	Lab Sample ID: <u>480-138526-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3297.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 02:58</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423625</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.5		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	2.3		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	36		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Client Sample ID: BLIND DUP Lab Sample ID: 480-138526-9
 Matrix: Water Lab File ID: S3297.D
 Analysis Method: 8260C Date Collected: 07/06/2018 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 02:58
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 423625 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	19		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	25		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Client Sample ID: BLIND DUP Lab Sample ID: 480-138526-9
Matrix: Water Lab File ID: S3297.D
Analysis Method: 8260C Date Collected: 07/06/2018 00:00
Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 02:58
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 423625 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3297.D
 Lims ID: 480-138526-A-9
 Client ID: BLIND DUP
 Sample Type: Client
 Inject. Date: 10-Jul-2018 02:58:30 ALS Bottle#: 22 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138526-A-9
 Misc. Info.: 480-0072956-023
 Operator ID: kn Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 11:15:35 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: carrolln

Date: 10-Jul-2018 11:15:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	149421	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	303726	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	275238	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	58	186862	26.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	98	122287	26.1	
\$ 5 Toluene-d8 (Surr)	98	7.024	7.019	0.006	92	734841	24.8	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	88	218433	24.0	
10 Dichlorodifluoromethane	85		1.282				ND	
12 Chloromethane	50		1.470				ND	
13 Vinyl chloride	62	1.549	1.549	0.000	97	255575	25.1	
14 Bromomethane	94		1.872				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.194				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.705				ND	
22 1,1-Dichloroethene	96		2.717				ND	
23 Acetone	43	2.857	2.857	0.006	68	8111	2.82	a
26 Carbon disulfide	76		2.924				ND	
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.259				ND	
32 Methyl tert-butyl ether	73		3.454				ND	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	62	2173	0.2877	a
39 1,1-Dichloroethane	63	3.891	3.898	-0.007	89	37390	2.35	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	84	315720	36.4	
43 2-Butanone (MEK)	43		4.494				ND	
50 Chloroform	83		4.774				ND	
51 1,1,1-Trichloroethane	97	4.883	4.889	0.006	71	15830	1.53	
52 Cyclohexane	56		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78		5.236				ND	
58 1,2-Dichloroethane	62		5.309				ND	
62 Trichloroethene	95	5.850	5.850	0.000	97	151740	18.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.960				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.806				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.946				ND	
74 Toluene	92		7.092				ND	
77 trans-1,3-Dichloropropene	75		7.377				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.615				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.961				ND	
84 Ethylene Dibromide	107		8.071				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91		8.631				ND	
90 m-Xylene & p-Xylene	106		8.752				ND	
91 o-Xylene	106		9.178				ND	
92 Styrene	104		9.209				ND	
95 Bromoform	173		9.464				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.827				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3297.D

Injection Date: 10-Jul-2018 02:58:30

Instrument ID: HP5973S

Operator ID: kn

Lims ID: 480-138526-A-9

Lab Sample ID: 480-138526-9

Worklist Smp#: 23

Client ID: BLIND DUP

Purge Vol: 5.000 mL

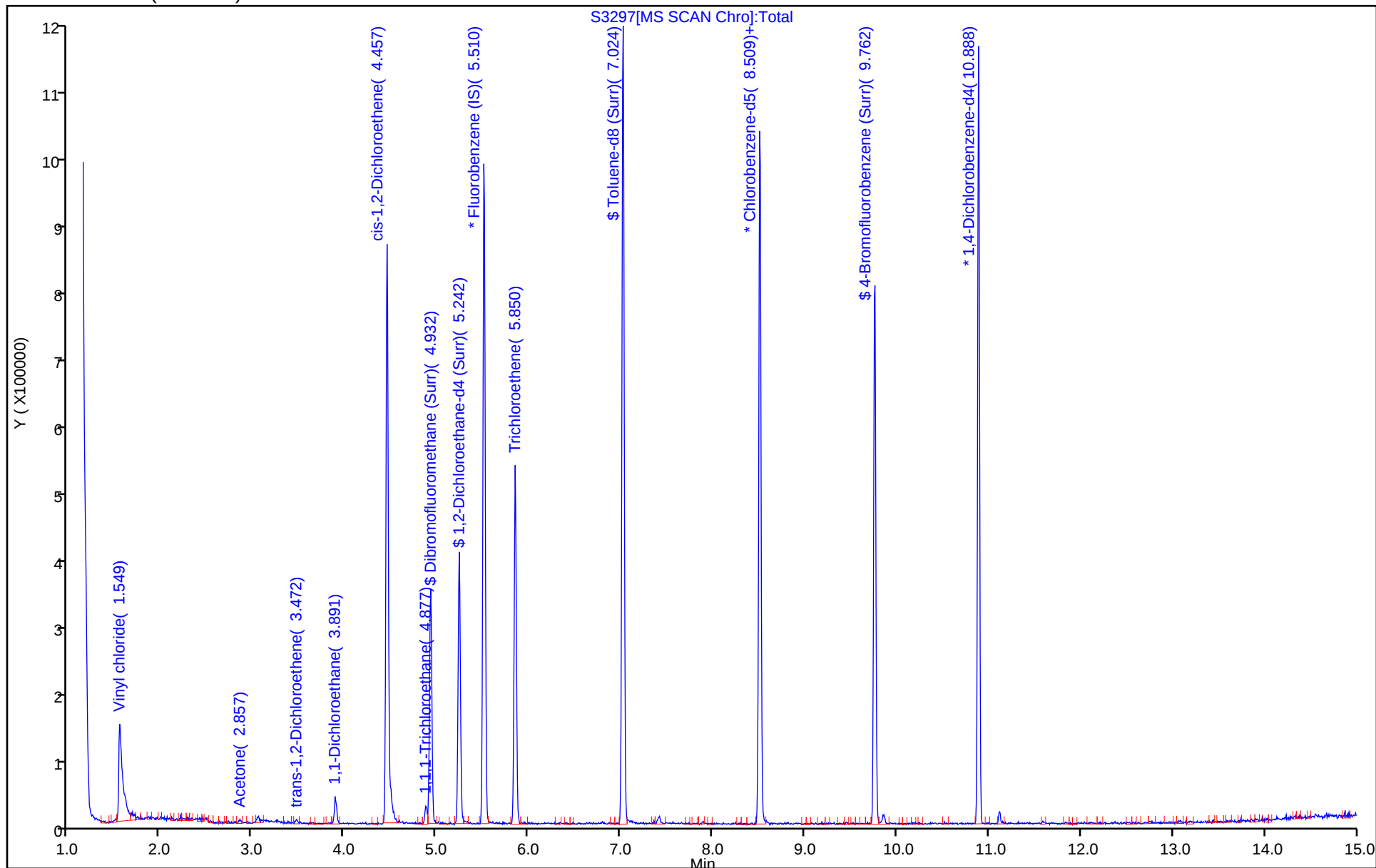
Dil. Factor: 1.0000

ALS Bottle#: 22

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3297.D

Injection Date: 10-Jul-2018 02:58:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-9

Lab Sample ID: 480-138526-9

Client ID: BLIND DUP

Operator ID: kn

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 5.000 mL

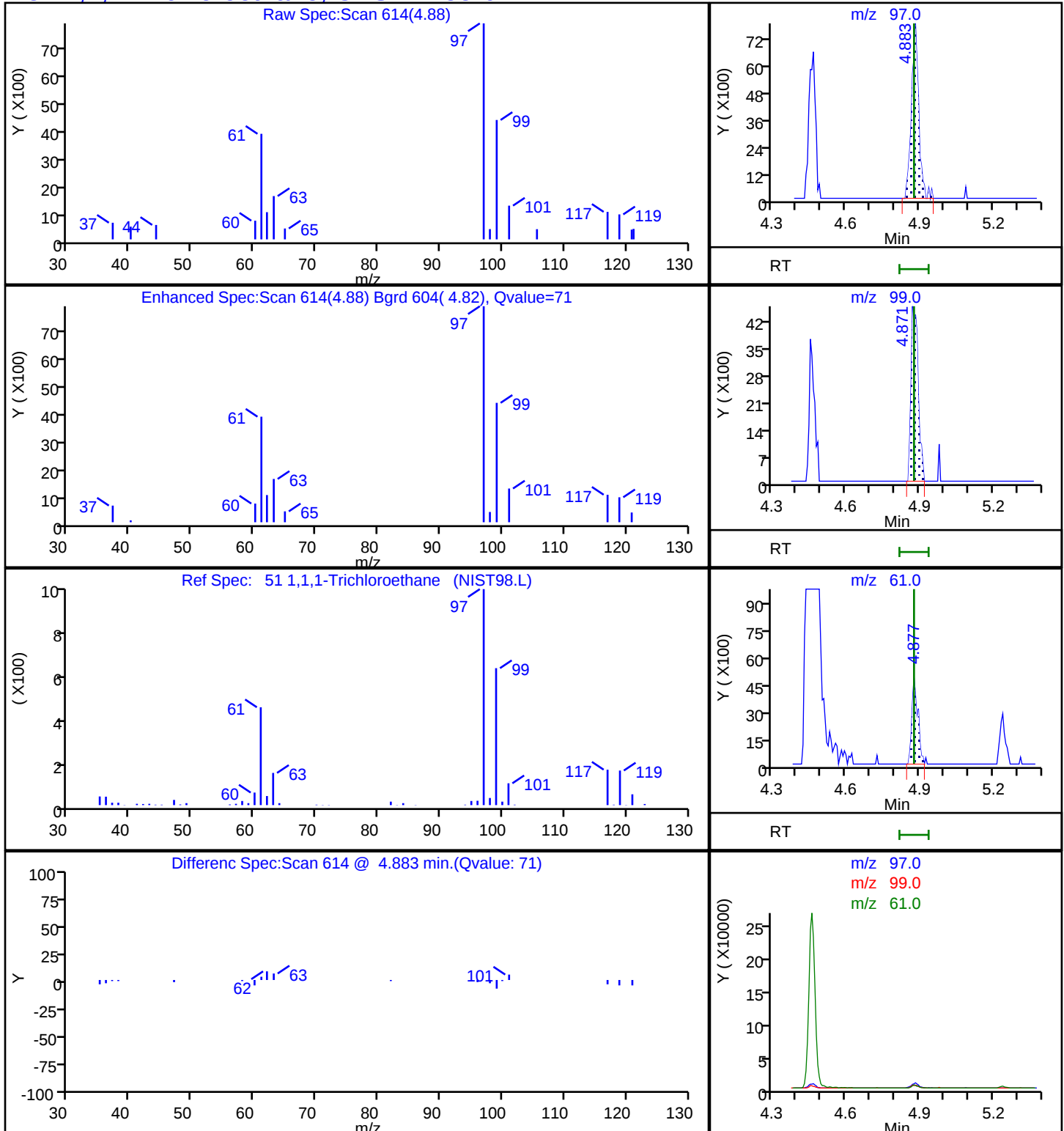
Dil. Factor: 1.0000

Method: S-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: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3297.D

Injection Date: 10-Jul-2018 02:58:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-9

Lab Sample ID: 480-138526-9

Client ID: BLIND DUP

Operator ID: kn

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 5.000 mL

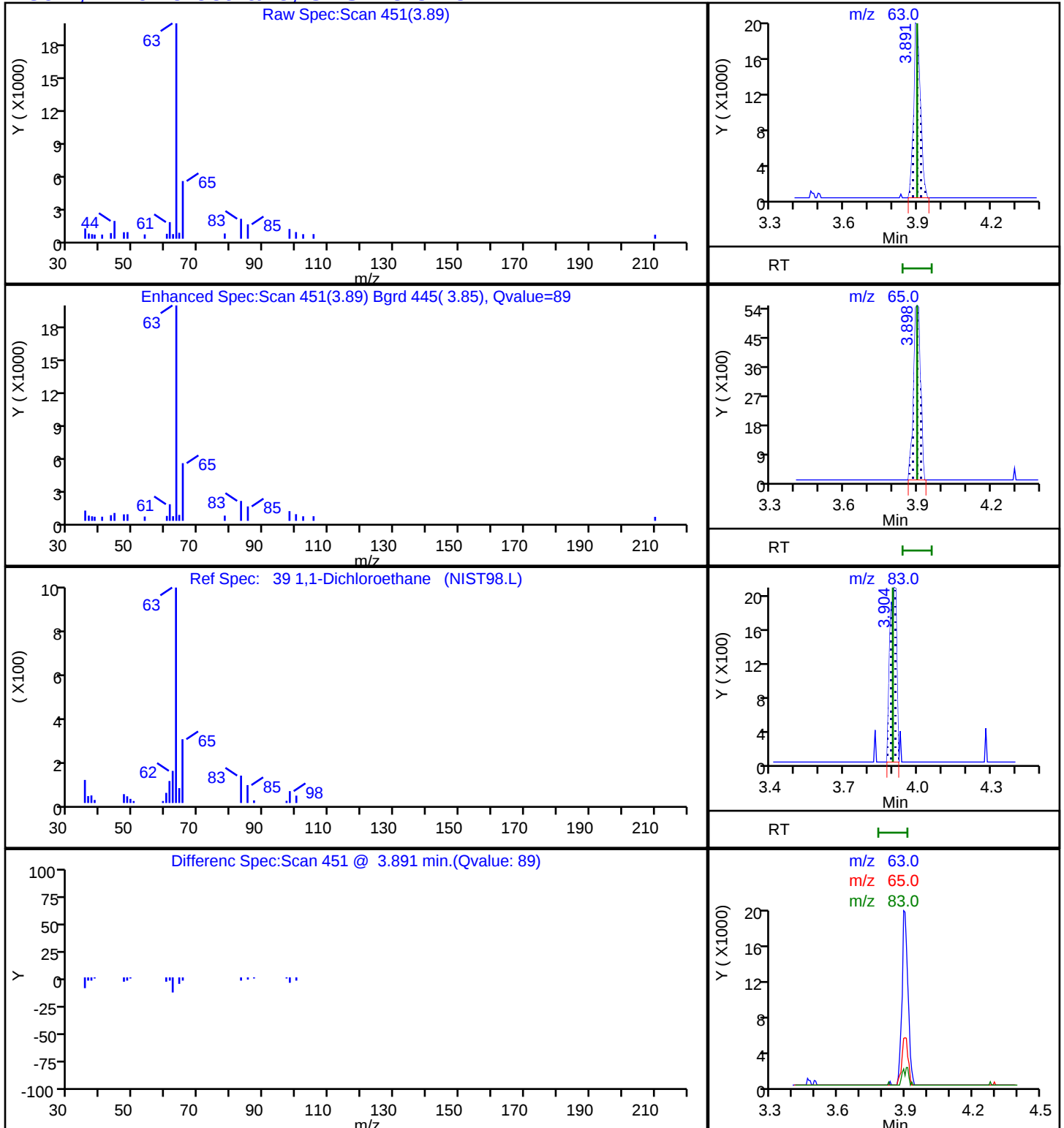
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3297.D

Injection Date: 10-Jul-2018 02:58:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-9

Lab Sample ID: 480-138526-9

Client ID: BLIND DUP

Operator ID: kn

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 5.000 mL

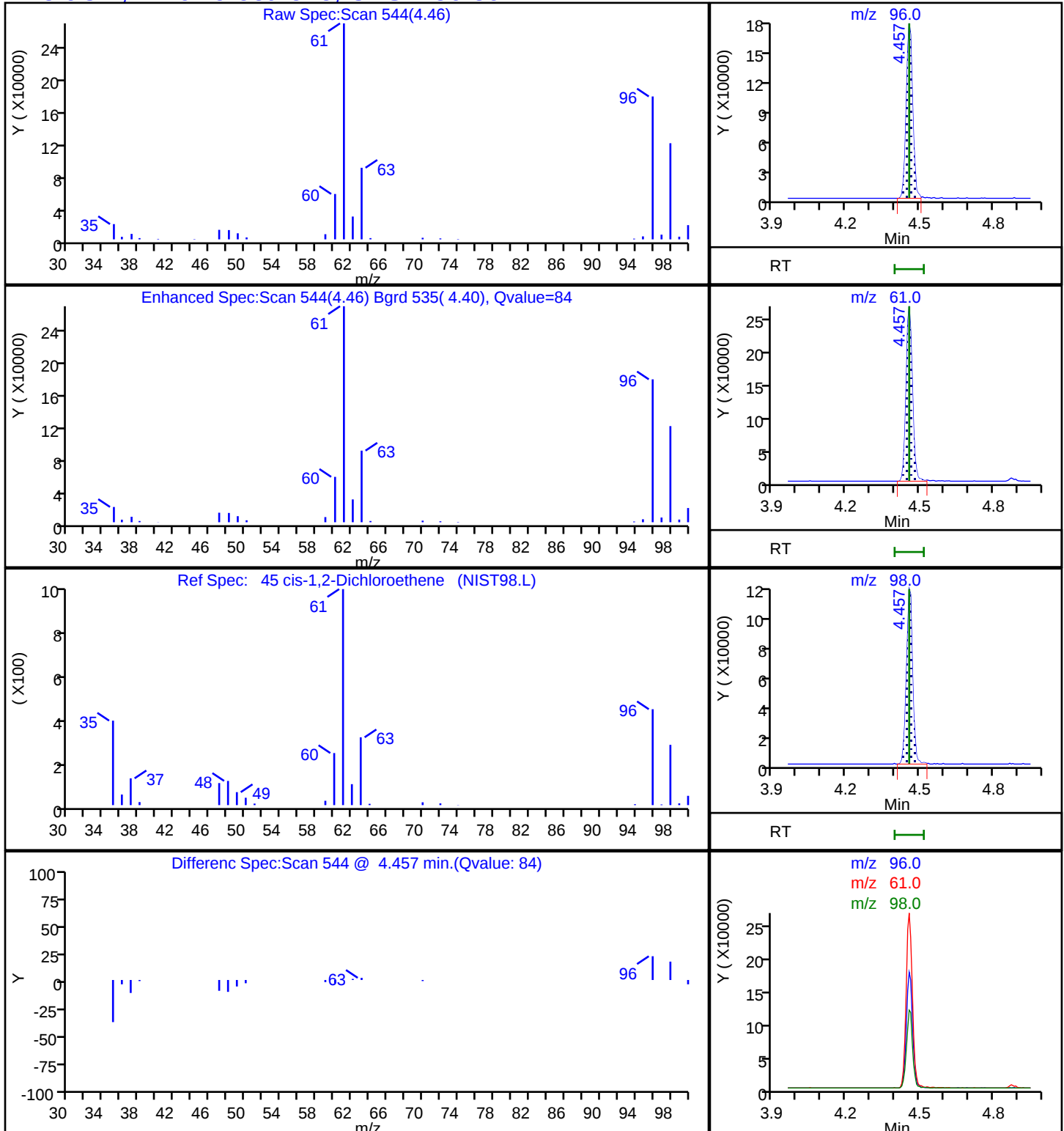
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3297.D

Injection Date: 10-Jul-2018 02:58:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-9

Lab Sample ID: 480-138526-9

Client ID: BLIND DUP

Operator ID: kn

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 5.000 mL

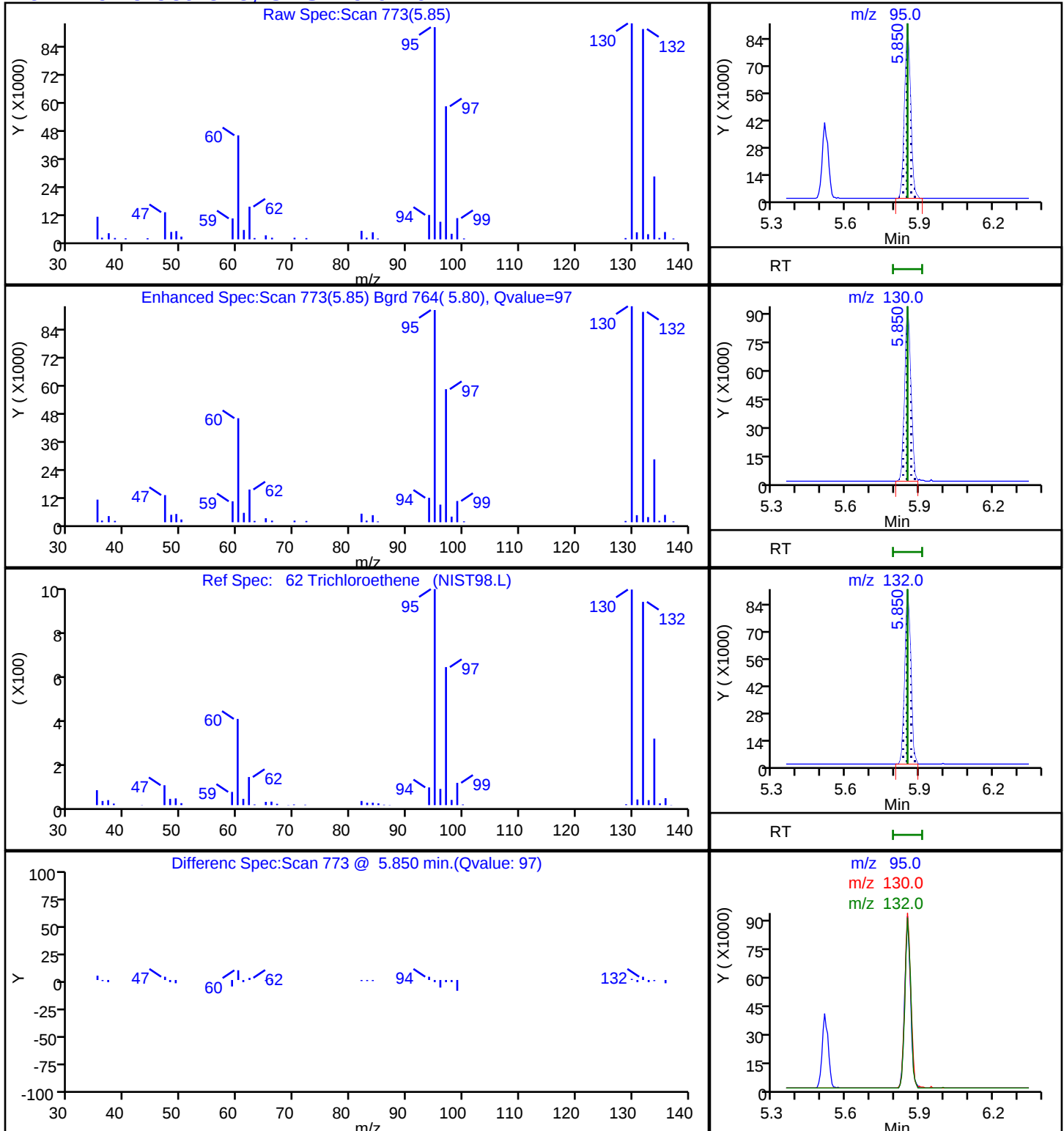
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180709-72956.b\\S3297.D

Injection Date: 10-Jul-2018 02:58:30

Instrument ID: HP5973S

Lims ID: 480-138526-A-9

Lab Sample ID: 480-138526-9

Client ID: BLIND DUP

Operator ID: kn

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 5.000 mL

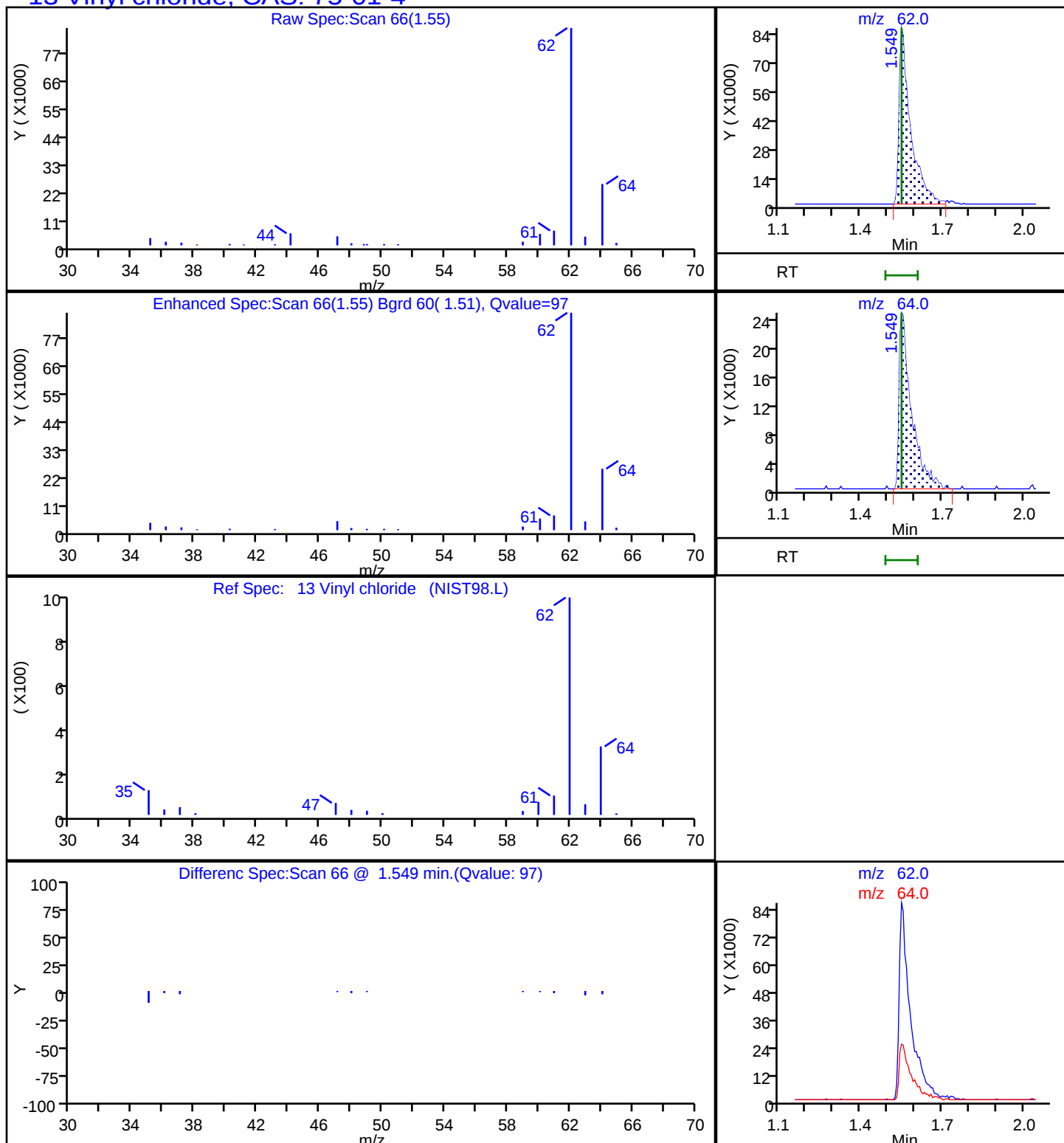
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

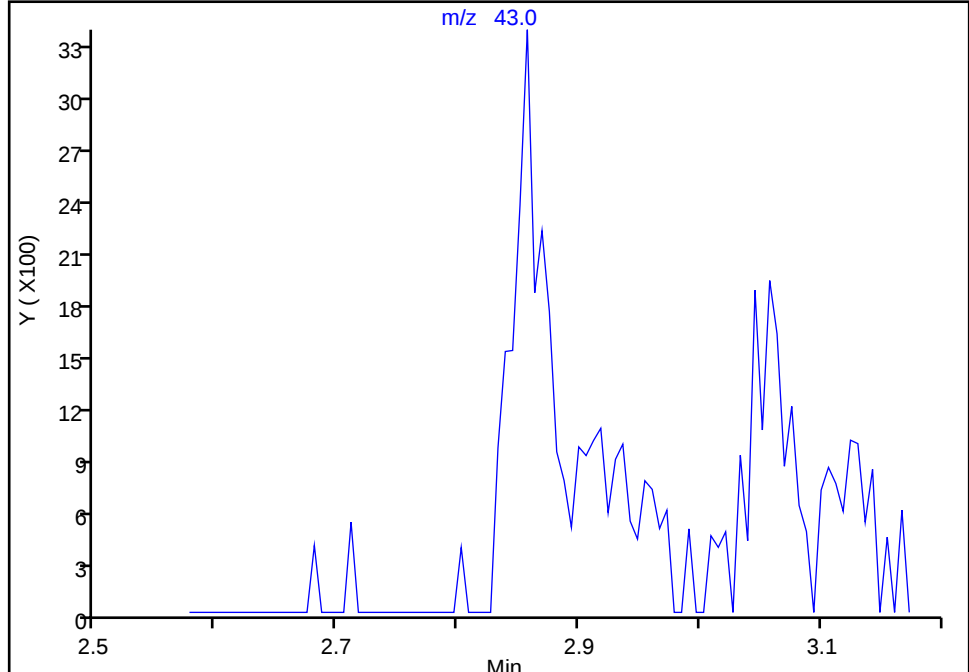
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3297.D
Injection Date: 10-Jul-2018 02:58:30 Instrument ID: HP5973S
Lims ID: 480-138526-A-9 Lab Sample ID: 480-138526-9
Client ID: BLIND DUP
Operator ID: kn ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

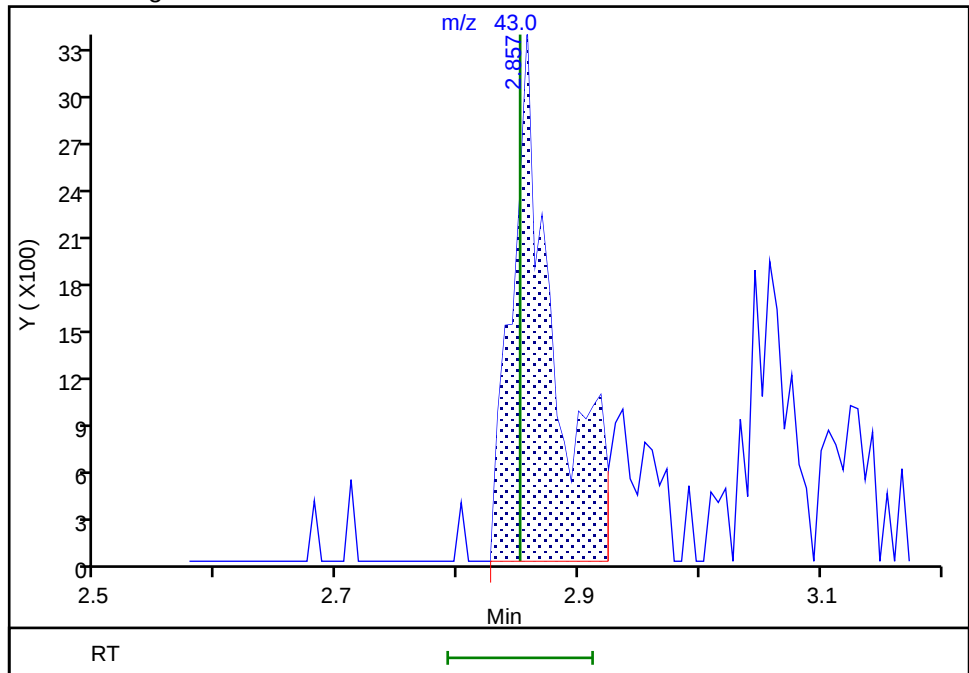
Signal: 1

Not Detected
Expected RT: 2.85

Processing Integration Results



Manual Integration Results



Reviewer: carrolln, 10-Jul-2018 11:14:26

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

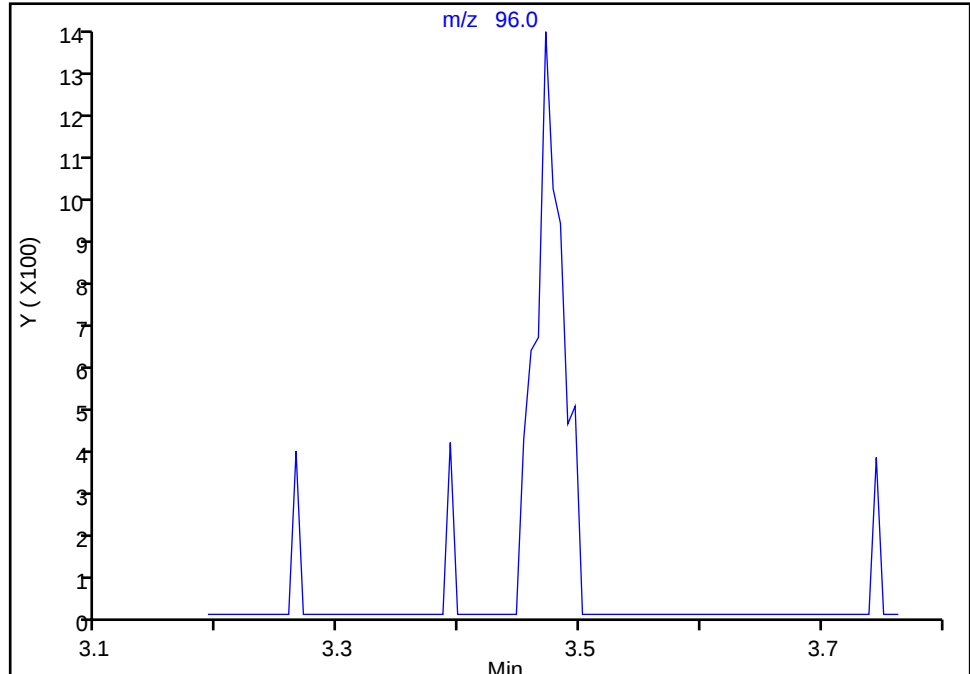
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3297.D
Injection Date: 10-Jul-2018 02:58:30 Instrument ID: HP5973S
Lims ID: 480-138526-A-9 Lab Sample ID: 480-138526-9
Client ID: BLIND DUP
Operator ID: kn ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

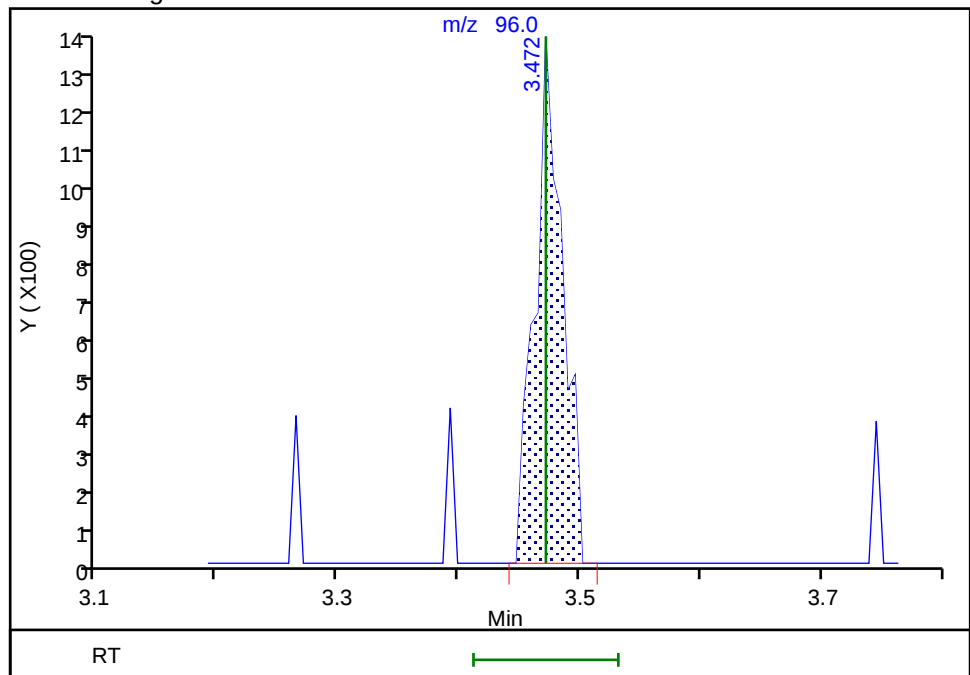
Signal: 1

Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results



RT: 3.47
Area: 2173
Amount: 0.287678
Amount Units: ug/L

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 420621

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-420621/5	S2506.D
Level 2	IC 480-420621/6	S2507.D
Level 3	IC 480-420621/7	S2508.D
Level 4	IC 480-420621/8	S2509.D
Level 5	IC 480-420621/9	S2510.D
Level 6	ICIS 480-420621/10	S2511.D
Level 7	IC 480-420621/11	S2512.D
Level 8	IC 480-420621/12	S2513.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Dichlorodifluoromethane	1.0665	0.9361	0.9453	1.4718	1.2318	Ave		1.2041			0.1000	17.1		20.0			
	1.2589	1.4448	1.2775														
Chloromethane	1.7623	1.9509	1.9350	2.0155	1.9350	Ave		1.9125			0.1000	4.3		20.0			
	1.9306	1.9553	1.8158														
Vinyl chloride	1.6568	1.5657	1.6230	1.8470	1.6612	Ave		1.7007			0.1000	6.3		20.0			
	1.6908	1.8763	1.6849														
Butadiene	1.8620	1.7965	1.7020	1.9156	1.7306	Ave		1.7737				5.5		20.0			
	1.6494	1.8564	1.6775														
Bromomethane	0.9917	0.9861	0.8069	0.9617	0.8612	Ave		0.9114			0.1000	7.3		20.0			
	0.8747	0.9359	0.8729														
Chloroethane	+++++	1.0152	0.9560	1.1014	0.9788	Ave		1.0294			0.1000	5.4		20.0			
	1.0362	1.1005	1.0175														
Trichlorofluoromethane	1.3514	1.2497	1.5084	1.9155	1.5032	Ave		1.6115			0.1000	15.4		20.0			
	1.6874	1.9145	1.7620														
Dichlorofluoromethane	2.8785	2.4003	1.9931	2.4123	1.9710	Ave		2.2552				13.4		20.0			
	2.0907	2.1919	2.1039														
Ethyl ether	1.3529	1.2888	1.3634	1.5277	1.4614	Ave		1.4335				6.3		20.0			
	1.4756	1.5496	1.4488														
Acrolein	0.2835	0.2776	0.2421	0.2616	0.2595	Ave		0.2746				6.8		20.0			
	0.2882	0.2993	0.2849														
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	0.5111	0.7470	1.0940	1.0244	Lin1	-0.369	0.9933			0.1000				0.9980		0.9900
	0.9341	0.9461	1.0076														
1,1-Dichloroethene	0.8917	0.7505	1.1564	1.2655	1.1826	Ave		1.1043			0.1000	16.5		20.0			
	1.1648	1.2089	1.2140														
Acetone	+++++	0.5585	0.5654	0.4830	0.4216	Ave		0.4810			0.1000	12.5		20.0			
	0.4184	0.4700	0.4500														
Iodomethane	1.2009	1.2126	1.4497	1.7945	1.7071	Ave		1.6150				17.9		20.0			
	1.7612	1.8969	1.8973														

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 420621
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

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 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	3.3950 3.5530	2.7999 3.8268	3.4659 3.7169	3.9148	3.4911	Ave		3.5204			0.1000	9.8		20.0			
Allyl chloride	2.6942 2.0957	1.6922 2.1931	2.1081 2.1248	2.3194	1.9001	Ave		2.1409				13.7		20.0			
Methyl acetate	1.3560 1.1196	1.1715 1.2779	1.4665 1.2157	1.3271	1.1675	Ave		1.2627			0.1000	9.2		20.0			
Methylene Chloride	6.4996 1.4449	3.4907 1.4330	2.6242 1.3806	1.9329	1.5594	Lin1	2.4473	1.3618			0.1000				0.9990		0.9900
2-Methyl-2-propanol	++++ 0.1557	0.1363 0.1769	0.1472 0.1960	0.1598	0.1689	Ave		0.1630				12.1		20.0			
Methyl tert-butyl ether	4.1375 4.2209	3.7459 4.3401	4.1817 4.1626	4.2685	4.0491	Ave		4.1383			0.1000	4.4		20.0			
trans-1,2-Dichloroethene	1.0514 1.2945	1.1406 1.3219	1.2992 1.2872	1.4285	1.2872	Ave		1.2638			0.1000	9.2		20.0			
Acrylonitrile	0.6220 0.6716	0.6885 0.7132	0.6792 0.6639	0.6531	0.6780	Ave		0.6712				4.0		20.0			
Hexane	2.2114 2.2652	2.0959 2.4442	2.1205 2.4309	2.7772	2.2960	Ave		2.3302				9.5		20.0			
1,1-Dichloroethane	2.5389 2.6549	2.3884 2.7780	2.7132 2.6860	2.8305	2.7092	Ave		2.6624			0.2000	5.3		20.0			
Vinyl acetate	2.9127 3.1221	3.1111 3.0557	3.1275 2.8332	3.2000	3.1953	Ave		3.0697				4.3		20.0			
2,2-Dichloropropane	1.3363 1.5114	1.2926 1.5386	1.4757 1.5408	1.6651	1.4425	Ave		1.4754				8.1		20.0			
cis-1,2-Dichloroethene	1.3250 1.5154	1.2193 1.5485	1.3895 1.5021	1.5820	1.5363	Ave		1.4523			0.1000	8.8		20.0			
2-Butanone (MEK)	0.8114 0.7283	0.7148 0.7480	0.7158 0.7457	0.7321	0.7126	Ave		0.7386			0.1000	4.4		20.0			
Chlorobromomethane	0.5523 0.7433	0.6218 0.7417	0.7106 0.7173	0.7721	0.6916	Ave		0.6939				10.5		20.0			
Tetrahydrofuran	0.5100 0.5143	0.5916 0.5038	0.4911 0.5042	0.4629	0.4823	Ave		0.5075				7.5		20.0			
Chloroform	2.2184 2.2511	2.3256 2.3574	2.3450 2.2735	2.5367	2.2740	Ave		2.3227			0.2000	4.3		20.0			
1,1,1-Trichloroethane	1.6807 1.7550	1.4931 1.8613	1.6427 1.8405	1.8985	1.6762	Ave		1.7310			0.1000	7.8		20.0			
Cyclohexane	2.1504 2.4488	1.8163 2.5917	2.1665 2.6545	2.4471	2.3534	Ave		2.3286			0.1000	11.8		20.0			
Carbon tetrachloride	1.1105 1.5222	1.1651 1.6554	1.5214 1.6186	1.5803	1.4305	Ave		1.4505			0.1000	14.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 420621
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

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 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.8731 1.7168	1.4205 1.8558	1.8938 1.8328	1.8298	1.6916	Ave		1.7643				8.9		20.0			
Benzene	5.1942 5.3896	4.7117 5.5287	5.2823 5.2725	5.7352	5.3147	Ave		5.3036			0.5000	5.6		20.0			
Isobutyl alcohol	0.0671 0.0668	0.0622 0.0750	0.0700 0.0764	0.0628	0.0685	Ave		0.0686				7.5		20.0			
1,2-Dichloroethane	2.0805 2.1099	2.0699 2.1793	2.2191 2.0867	2.2540	2.1430	Ave		2.1428			0.1000	3.2		20.0			
n-Heptane	2.3209 2.1075	1.9690 2.1545	2.1019 2.1373	2.4588	2.0887	Ave		2.1673				7.0		20.0			
Trichloroethene	1.3177 1.3771	1.1544 1.4170	1.3587 1.4162	1.5440	1.3610	Ave		1.3683			0.2000	8.0		20.0			
Methylcyclohexane	1.7990 2.1533	1.5990 2.3276	1.9460 2.2773	2.4588	2.1083	Ave		2.0837			0.1000	13.8		20.0			
1,2-Dichloropropane	1.4365 1.5812	1.5517 1.6696	1.6624 1.5781	1.6836	1.6365	Ave		1.6000			0.1000	5.1		20.0			
Dibromomethane	0.7897 0.8553	0.7556 0.8807	0.7750 0.8684	0.8635	0.8943	Ave		0.8353			0.1000	6.4		20.0			
1,4-Dioxane	++++ 0.0058	0.0019 0.0058	0.0036 0.0055	0.0043	0.0058	Lin1	-0.075	0.0057							0.9980		0.9900
Bromodichloromethane	1.3255 1.7458	1.3019 1.8412	1.4534 1.8150	1.7492	1.6384	Ave		1.6088			0.2000	13.6		20.0			
2-Chloroethyl vinyl ether	0.8987 1.1430	1.0935 1.1740	0.9247 1.1354	1.0863	1.0857	Ave		1.0677				9.5		20.0			
cis-1,3-Dichloropropene	1.7113 2.1494	1.7018 2.2435	1.9021 2.1801	2.1612	2.1330	Ave		2.0228			0.2000	10.8		20.0			
4-Methyl-2-pentanone (MIBK)	0.8176 0.7887	0.7729 0.7775	0.8747 0.7119	0.8128	0.8291	Ave		0.7981			0.1000	6.0		20.0			
Toluene	1.4932 1.6238	1.5773 1.7040	1.7421 1.7063	1.7553	1.6931	Ave		1.6619			0.4000	5.4		20.0			
trans-1,3-Dichloropropene	0.7668 0.9648	0.7879 1.0144	0.8905 1.0454	0.8818	0.9722	Ave		0.9155			0.1000	11.1		20.0			
Ethyl methacrylate	0.6799 0.9439	0.8300 0.9611	0.9006 0.9825	0.9328	0.9491	Ave		0.8975				11.1		20.0			
1,1,2-Trichloroethane	0.4116 0.4978	0.4735 0.5176	0.5613 0.5217	0.5195	0.5023	Ave		0.5007			0.1000	8.8		20.0			
Tetrachloroethene	0.6925 0.6880	0.6277 0.7351	0.6985 0.7322	0.7337	0.7060	Ave		0.7017			0.2000	5.1		20.0			
1,3-Dichloropropane	0.9225 1.0482	1.0197 1.0980	1.1380 1.0980	1.0186	1.1041	Ave		1.0559				6.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 420621
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

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 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.5897 0.5765	0.5749 0.5711	0.6269 0.5367	0.6138	0.6103	Ave		0.5875			0.1000	4.9		20.0			
Dibromochloromethane	0.3992 0.6085	0.4622 0.6535	0.5746 0.6922	0.5631	0.6019	Ave		0.5694			0.1000	17.0		20.0			
1,2-Dibromoethane	0.5204 0.6216	0.6798 0.6443	0.6333 0.6522	0.6498	0.6452	Ave		0.6308				7.6		20.0			
Chlorobenzene	1.8118 1.7992	1.5610 1.8673	1.9020 1.8548	1.9177	1.8555	Ave		1.8212			0.5000	6.2		20.0			
Ethylbenzene	2.6561 2.9895	2.6563 3.0996	3.2172 2.9793	3.2411	3.1222	Ave		2.9952			0.1000	7.6		20.0			
1,1,1,2-Tetrachloroethane	0.4433 0.6070	0.5314 0.6466	0.6090 0.6704	0.5787	0.6253	Ave		0.5890				12.3		20.0			
m,p-Xylene	1.2373 1.1561	1.1556 1.2284	1.2508 1.2629	1.2609	1.1952	Ave		1.2184			0.1000	3.6		20.0			
o-Xylene	1.0045 1.1613	0.9780 1.2163	1.2332 1.2250	1.2192	1.2136	Ave		1.1564			0.3000	9.0		20.0			
Styrene	1.8152 2.0224	1.6328 2.1117	2.0436 2.1105	2.0942	2.0471	Ave		1.9847			0.3000	8.6		20.0			
Bromoform	0.2877 0.3850	0.3141 0.4304	0.3156 0.4701	0.3317	0.3750	Ave		0.3637			0.1000	17.4		20.0			
Isopropylbenzene	2.8187 3.2334	2.6604 3.2502	3.2717 3.1740	3.5120	3.2946	Ave		3.1519			0.1000	8.8		20.0			
Bromobenzene	0.7185 0.8335	0.6972 0.8144	0.8005 0.8430	0.8368	0.8355	Ave		0.7974				7.2		20.0			
1,1,2,2-Tetrachloroethane	0.8554 0.8631	0.7756 0.8499	0.8473 0.8656	0.9010	0.8934	Ave		0.8564			0.3000	4.4		20.0			
N-Propylbenzene	3.3950 3.7788	3.0422 3.7479	3.7585 3.5471	4.0917	3.8709	Ave		3.6540				8.8		20.0			
1,2,3-Trichloropropane	0.2961 0.2956	0.2105 0.2987	0.2592 0.2930	0.2999	0.3025	Ave		0.2819				11.3		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.3124	0.1809 0.3116	0.2095 ++++	0.2457	0.2760	Lin1	-0.183	0.3127							0.9980		0.9900
2-Chlorotoluene	0.9499 0.7905	0.6127 0.7783	0.7784 0.7925	0.8076	0.7823	Ave		0.7865				11.5		20.0			
1,3,5-Trimethylbenzene	2.6880 2.7560	2.4032 2.7485	2.7675 2.6995	2.8892	2.9233	Ave		2.7344				5.8		20.0			
4-Chlorotoluene	0.6916 0.8473	0.6714 0.8358	0.8732 0.8485	0.8432	0.8364	Ave		0.8059				9.7		20.0			
tert-Butylbenzene	0.4442 0.6248	0.4824 0.6328	0.5740 0.6377	0.6554	0.6120	Ave		0.5829				13.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 420621
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

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 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.6497 2.9289	2.2643 2.8720	2.8780 2.7535	3.0114	2.9833	Ave		2.7927				8.7		20.0			
sec-Butylbenzene	3.1348 3.3954	2.7032 3.3821	3.3932 3.2799	3.5159	3.4256	Ave		3.2788				7.9		20.0			
1,3-Dichlorobenzene	1.5074 1.5713	1.3706 1.5679	1.6123 1.5509	1.6125	1.6026	Ave		1.5494			0.6000	5.2		20.0			
4-Isopropyltoluene	2.5737 2.9925	2.1476 2.9966	2.8678 2.8440	3.1091	3.0448	Ave		2.8220				11.3		20.0			
1,4-Dichlorobenzene	1.3127 1.5924	1.5619 1.5765	1.6568 1.5808	1.7201	1.6378	Ave		1.5799			0.5000	7.6		20.0			
n-Butylbenzene	2.1891 2.7229	2.0400 2.6514	2.6980 2.5836	2.8037	2.6684	Ave		2.5446				10.8		20.0			
1,2-Dichlorobenzene	1.3859 1.5321	1.4084 1.5247	1.5498 1.5112	1.6559	1.6346	Ave		1.5253			0.4000	6.2		20.0			
1,2-Dibromo-3-Chloropropane	0.1861 0.1811	0.1318 0.1863	0.1428 0.1854	0.1507	0.1653	Ave		0.1662			0.0500	13.2		20.0			
1,2,4-Trichlorobenzene	0.9478 1.1265	0.9110 1.1573	1.1771 1.1556	1.0821	1.1198	Ave		1.0847			0.2000	9.3		20.0			
Hexachlorobutadiene	0.5332 0.5343	0.3840 0.5453	0.5260 0.5664	0.5353	0.5245	Ave		0.5186				10.8		20.0			
Naphthalene	2.5334 3.2095	2.6074 3.1917	2.9880 3.0480	2.9747	3.1673	Ave		2.9650				8.8		20.0			
1,2,3-Trichlorobenzene	0.7843 1.0767	0.8587 1.0732	0.9477 1.1030	1.0666	1.0923	Ave		1.0003				12.2		20.0			
Dibromofluoromethane (Surr)	1.1790 1.1858	1.1799 1.2727	1.1679 1.2115	1.2117	1.1648	Ave		1.1967				3.0		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7678 0.7917	0.7976 0.8218	0.7565 0.7458	0.8347	0.7500	Ave		0.7832				4.3		20.0			
Toluene-d8 (Surr)	2.4473 2.3886	2.4261 2.4587	2.5049 2.3969	2.4292	2.4265	Ave		2.4348				1.5		20.0			
4-Bromofluorobenzene (Surr)	0.7361 0.7460	0.7584 0.7652	0.7525 0.7580	0.7431	0.7227	Ave		0.7477				1.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 420621

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-420621/5	S2506.D
Level 2	IC 480-420621/6	S2507.D
Level 3	IC 480-420621/7	S2508.D
Level 4	IC 480-420621/8	S2509.D
Level 5	IC 480-420621/9	S2510.D
Level 6	ICIS 480-420621/10	S2511.D
Level 7	IC 480-420621/11	S2512.D
Level 8	IC 480-420621/12	S2513.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4246 248186	7348 556127	15348 1042243	57375	100661	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	7016 380591	15313 752596	31418 1481396	78570	158120	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	6596 333324	12290 722212	26352 1374584	72004	135746	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	7413 325163	14101 714525	27634 1368549	74679	141422	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3948 172433	7740 360223	13102 712144	37490	70373	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	++++ 204270	7969 423584	15522 830061	42938	79988	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	5380 332653	9809 736903	24492 1437497	74675	122840	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	11460 412155	18841 843653	32362 1716432	94040	161069	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5386 290892	10116 596459	22137 1181934	59556	119421	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	5643 284078	10896 575962	19651 1162249	50983	106044	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin1	++++ 184140	4012 364156	12129 822020	42648	83709	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	3550 229631	5891 465301	18776 990419	49334	96639	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	++++ 412424	21919 904483	45897 1835772	94147	172269	++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	4781 347195	9518 730136	23539 1547832	69957	139498	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	13516 700429	21977 1472959	56275 3032330	152614	285284	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 420621

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	10726 413143	13283 844115	34229 1733446	90419	155269	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	10797 441430	18391 983740	47623 1983551	103471	190812	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	25876 284846	27400 551561	42609 1126336	75350	127431	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	++++ 307003	10697 680866	23908 1598960	62295	137981	++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	16472 832097	29403 1670515	67897 3395940	166404	330882	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	4186 255195	8953 508786	21095 1050113	55688	105184	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	24762 1323936	54039 2745107	110281 5416558	254614	554059	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	8804 446557	16451 940801	34429 1983165	108267	187621	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	10108 523385	18747 1069251	44053 2191279	110345	221389	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	23192 1230989	48840 2352331	101560 4622714	249498	522220	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5320 297960	10146 592229	23960 1257016	64910	117878	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	5275 298747	9571 596033	22561 1225447	61673	125542	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	16151 717854	28054 1439504	58111 3041661	142709	291158	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2199 146527	4881 285479	11538 585187	30101	56519	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	4061 202767	9288 387841	15949 822605	36094	78819	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	8832 443774	18254 907363	38075 1854730	98890	185827	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	6691 345970	11720 716429	26672 1501541	74012	136975	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	8561 482758	14257 997545	35177 2165602	95397	192312	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4421 300091	9145 637175	24702 1320508	61607	116898	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	7457 338452	11150 714312	30749 1495256	71332	138232	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	20679 1062500	36984 2128022	85767 4301395	223580	434302	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 420621

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	6683 329152	12199 721955	28420 1557611	61251	139911	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	8283 415950	16247 838833	36030 1702374	87871	175124	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	9240 415475	15455 829266	34128 1743611	95852	170684	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	5246 271489	9061 545392	22060 1155378	60191	111214	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	7162 424498	12551 895898	31597 1857834	95854	172282	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	5719 311720	12180 642638	26992 1287446	65633	133728	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	3144 168616	5931 338999	12583 708426	33662	73081	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Lin1	597 46908	597 91625	2267 176888	6969	18780	++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	5277 344167	10219 708669	23598 1480734	68190	133887	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3578 225325	8583 451891	15014 926261	42348	88719	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6813 423733	13358 863532	30883 1778596	84252	174306	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	32292 1601823	59826 3068632	137972 5759555	326171	670794	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	11795 659595	24418 1345091	54960 2760907	140875	273964	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	6057 391909	12197 800744	28095 1691433	70774	157325	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	5371 383401	12849 758693	28412 1589664	74867	153587	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	3251 202209	7331 408565	17708 844173	41694	81284	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	5470 279490	9718 580239	22036 1184748	58888	114249	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	7287 425777	15786 866770	35902 1776603	81753	178659	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	23291 1170919	44500 2254226	98893 4341846	246316	493778	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	3153 247163	7156 515833	18127 1120056	45191	97396	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	4111 252512	10524 508600	19979 1055354	52152	104411	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 420621

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	14312 730835	24166 1474031	60005 3001103	153908	300247	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	20981 1214363	41123 2446781	101499 4820637	260118	505219	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3502 246580	8227 510400	19212 1084784	46444	101180	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	9774 469623	17890 969691	39460 2043355	101199	193403	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	7935 471745	15140 960148	38904 1982170	97848	196385	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	14339 821536	25278 1666910	64472 3414832	168072	331254	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	2273 156408	4863 339740	9957 760638	26624	60675	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	20648 1180615	39437 2412885	97764 4783571	261022	487020	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	5263 304349	10335 604551	23921 1270447	62196	123511	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6266 315135	11498 630975	25318 1304499	66963	132068	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	24869 1379737	45097 2782295	112308 5345840	304106	572209	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	2169 107926	3120 221749	7744 441615	22292	44716	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	++++ 114077	2682 231344	6261 ++++	18263	40802	++++ 25.0	1.00 50.0	2.00 ++++	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	6958 288633	9082 577783	23261 1194322	60025	115644	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	19690 1006297	35625 2040375	82695 4068375	214731	432135	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	5066 309390	9952 620467	26092 1278707	62670	123635	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	3254 228134	7151 469785	17151 961000	48709	90461	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	19410 1069434	33566 2132089	85998 4149841	223814	441006	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	22963 1239742	40072 2510799	101392 4943148	261311	506385	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	11042 573712	20317 1163942	48178 2337298	119848	236904	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	18853 1092636	31836 2224584	85693 4286221	231080	450095	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 420621

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	9616 581426	23153 1170382	49506 2382476	127844	242101	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	16036 994221	30240 1968301	80619 3893665	208379	394458	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	10152 559407	20878 1131910	46309 2277520	123068	241629	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1363 66108	1954 138297	4266 279459	11203	24435	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	6943 411331	13505 859177	35174 1741646	80426	165528	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	3906 195098	5693 404793	15718 853596	39788	77538	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	18558 1171879	38651 2369399	89284 4593666	221088	468207	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	5745 393148	12729 796689	28319 1662277	79276	161462	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	234690 233776	231529 244934	237036 247091	236175	237971	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	152837 156084	156518 158160	153545 152101	162701	153221	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	966595 970258	938964 970429	987838 969583	974777	981631	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	290734 303043	293518 302035	296734 306600	298183	292377	25.0 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: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
 Lims ID: IC 0.5
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 20-Jun-2018 13:51:30 ALS Bottle#: 3 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.5
 Misc. Info.: 480-0072482-005
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:25:34 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 17:24:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	199059	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	394964	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	366264	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.926	4.926	0.000	57	234690	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.236	5.242	-0.006	0	152837	25.0	24.5	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	92	966595	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	290734	25.0	24.6	
10 Dichlorodifluoromethane	85	1.300	1.282	0.018	1	4246	0.5000	0.4429	
12 Chloromethane	50	1.464	1.464	0.000	34	7016	0.5000	0.4607	
13 Vinyl chloride	62	1.562	1.549	0.013	21	6596	0.5000	0.4871	a
151 Butadiene	54	1.598	1.574	0.024	52	7413	0.5000	0.5249	Ma
14 Bromomethane	94	1.878	1.872	0.006	62	3948	0.5000	0.5440	
15 Chloroethane	64		1.969				ND	ND	U
17 Trichlorofluoromethane	101	2.188	2.194	-0.006	31	5380	0.5000	0.4193	M
16 Dichlorofluoromethane	67	2.200	2.194	0.006	55	11460	0.5000	0.6382	Ma
18 Ethyl ether	59	2.498	2.492	0.006	52	5386	0.5000	0.4719	
20 Acrolein	56	2.693	2.687	0.006	32	5643	2.50	2.58	M
21 1,1,2-Trichloro-1,2,2-trif	101		2.705				ND	ND	U
22 1,1-Dichloroethene	96	2.723	2.730	-0.007	28	3550	0.5000	0.4037	M
23 Acetone	43	2.851	2.851	0.000	93	13929	2.50	3.64	Ma
25 Iodomethane	142	2.894	2.894	0.000	16	4781	0.5000	0.3718	a
26 Carbon disulfide	76	2.918	2.918	0.000	85	13516	0.5000	0.4822	M
28 3-Chloro-1-propene	41	3.088	3.089	0.000	37	10726	0.5000	0.6292	M
27 Methyl acetate	43	3.143	3.143	0.000	85	10797	1.00	1.07	M
30 Methylene Chloride	84	3.253	3.253	0.000	91	25876	0.5000	0.5893	M
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	57	3836	5.00	2.96	M
32 Methyl tert-butyl ether	73	3.460	3.454	0.006	53	16472	0.5000	0.4999	
34 trans-1,2-Dichloroethene	96	3.466	3.472	-0.006	60	4186	0.5000	0.4160	
33 Acrylonitrile	53	3.539	3.539	0.000	92	24762	5.00	4.63	
35 Hexane	57	3.660	3.660	0.000	68	8804	0.5000	0.4745	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.898	3.892	0.006	8	10108	0.5000	0.4768	
37 Vinyl acetate	43	3.946	3.952	-0.006	92	23192	1.00	0.9489	
44 2,2-Dichloropropane	77	4.409	4.415	-0.006	37	5320	0.5000	0.4529	
45 cis-1,2-Dichloroethene	96	4.451	4.457	-0.006	30	5275	0.5000	0.4562	a
43 2-Butanone (MEK)	43	4.500	4.494	0.006	83	16151	2.50	2.75	
48 Chlorobromomethane	128	4.701	4.695	0.006	63	2199	0.5000	0.3980	
49 Tetrahydrofuran	42	4.719	4.713	0.006	57	4061	1.00	1.00	
50 Chloroform	83	4.768	4.774	-0.006	61	8832	0.5000	0.4776	
51 1,1,1-Trichloroethane	97	4.889	4.877	0.012	31	6691	0.5000	0.4855	
52 Cyclohexane	56	4.877	4.883	-0.006	45	8561	0.5000	0.4617	
55 Carbon tetrachloride	117	5.011	5.011	0.000	55	4421	0.5000	0.3828	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	61	7457	0.5000	0.5308	
57 Benzene	78	5.236	5.236	0.000	33	20679	0.5000	0.4897	
53 Isobutyl alcohol	43	5.272	5.266	0.006	34	6683	12.5	12.2	M
58 1,2-Dichloroethane	62	5.315	5.315	0.000	59	8283	0.5000	0.4855	
59 n-Heptane	43	5.406	5.412	-0.006	62	9240	0.5000	0.5354	M
62 Trichloroethene	95	5.844	5.850	-0.006	50	5246	0.5000	0.4815	
64 Methylcyclohexane	83	5.960	5.960	0.000	57	7162	0.5000	0.4317	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	41	5719	0.5000	0.4489	
67 Dibromomethane	93	6.240	6.234	0.006	69	3144	0.5000	0.4727	
66 1,4-Dioxane	88	6.258	6.246	0.012	8	485	10.0	18.7	M
68 Dichlorobromomethane	83	6.392	6.386	0.006	23	5277	0.5000	0.4120	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	29	3578	0.5000	0.4209	
72 cis-1,3-Dichloropropene	75	6.812	6.806	0.006	47	6813	0.5000	0.4230	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	87	32292	2.50	2.56	M
74 Toluene	92	7.079	7.085	-0.006	60	11795	0.5000	0.4492	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	54	6057	0.5000	0.4188	M
75 Ethyl methacrylate	69	7.420	7.414	0.006	48	5371	0.5000	0.3788	
79 1,1,2-Trichloroethane	83	7.572	7.566	0.006	20	3251	0.5000	0.4110	
81 Tetrachloroethene	166	7.621	7.615	0.006	53	5470	0.5000	0.4934	
82 1,3-Dichloropropane	76	7.724	7.730	-0.006	50	7287	0.5000	0.4368	
80 2-Hexanone	43	7.797	7.791	0.006	70	23291	2.50	2.51	
83 Chlorodibromomethane	129	7.961	7.961	0.000	7	3153	0.5000	0.3505	
84 Ethylene Dibromide	107	8.071	8.071	0.000	44	4111	0.5000	0.4125	
87 Chlorobenzene	112	8.545	8.539	0.006	18	14312	0.5000	0.4974	
88 Ethylbenzene	91	8.631	8.631	0.000	67	20981	0.5000	0.4434	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	21	3502	0.5000	0.3764	
90 m-Xylene & p-Xylene	106	8.758	8.752	0.006	0	9774	0.5000	0.5078	
91 o-Xylene	106	9.184	9.178	0.006	72	7935	0.5000	0.4343	
92 Styrene	104	9.209	9.209	0.000	67	14339	0.5000	0.4573	
95 Bromoform	173	9.470	9.464	0.006	1	2273	0.5000	0.3956	
94 Isopropylbenzene	105	9.561	9.561	0.000	72	20648	0.5000	0.4471	
101 Bromobenzene	156	9.914	9.908	0.006	52	5263	0.5000	0.4505	
97 1,1,2,2-Tetrachloroethane	83	9.975	9.969	0.006	11	6266	0.5000	0.4994	
99 N-Propylbenzene	91	9.981	9.987	-0.006	84	24869	0.5000	0.4646	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	21	2169	0.5000	0.5251	M
98 trans-1,4-Dichloro-2-buten	53	10.018	10.012	0.006	1	863	0.5000	0.7725	M
103 2-Chlorotoluene	126	10.091	10.091	0.000	55	6958	0.5000	0.6038	
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	60	19690	0.5000	0.4915	
105 4-Chlorotoluene	126	10.200	10.200	0.000	44	5066	0.5000	0.4291	
106 tert-Butylbenzene	134	10.474	10.474	0.000	63	3254	0.5000	0.3810	
107 1,2,4-Trimethylbenzene	105	10.535	10.529	0.006	48	19410	0.5000	0.4744	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	52	22963	0.5000	0.4780	
111 1,3-Dichlorobenzene	146	10.833	10.827	0.006	46	11042	0.5000	0.4864	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	53	18853	0.5000	0.4560	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	34	9616	0.5000	0.4154	M
115 n-Butylbenzene	91	11.210	11.210	0.000	68	16036	0.5000	0.4301	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	64	10152	0.5000	0.4543	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	1	1363	0.5000	0.5598	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	29	6943	0.5000	0.4369	
120 Hexachlorobutadiene	225	12.774	12.767	0.007	6	3906	0.5000	0.5141	M
121 Naphthalene	128	12.883	12.877	0.006	77	18558	0.5000	0.4272	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	36	5745	0.5000	0.3920	
S 123 Total BTEX	1				0			2.32	
S 125 1,2-Dichloroethene, Total	1				0			0.8722	
S 124 Xylenes, Total	1				0			0.9421	
S 126 1,3-Dichloropropene, Total	1				0			0.8418	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

8260 CORP mix_00128	Amount Added: 0.50	Units: uL	
GAS CORP mix_00287	Amount Added: 0.50	Units: uL	
S_8260_IS_00293	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00274	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: IC 0.5

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

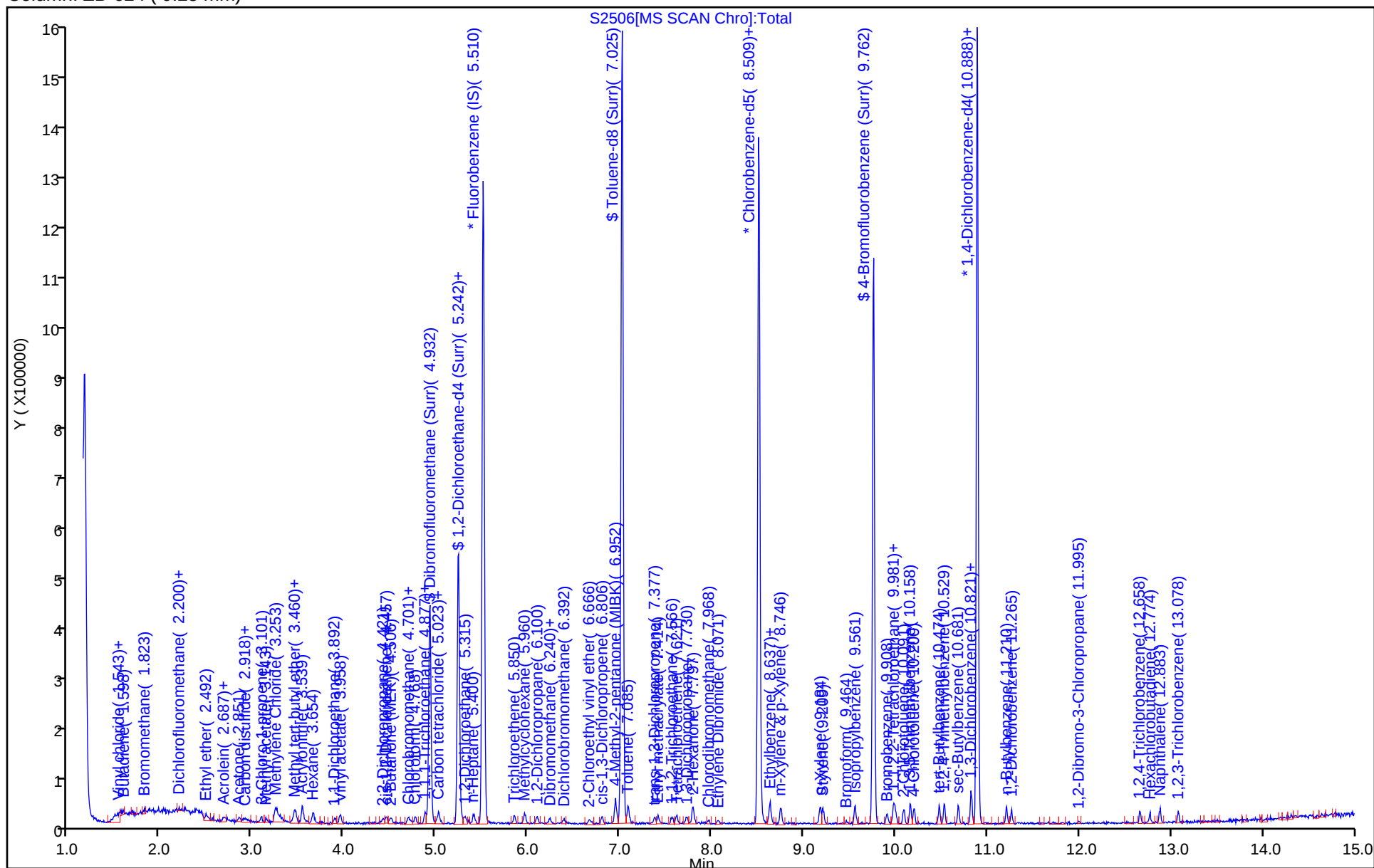
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

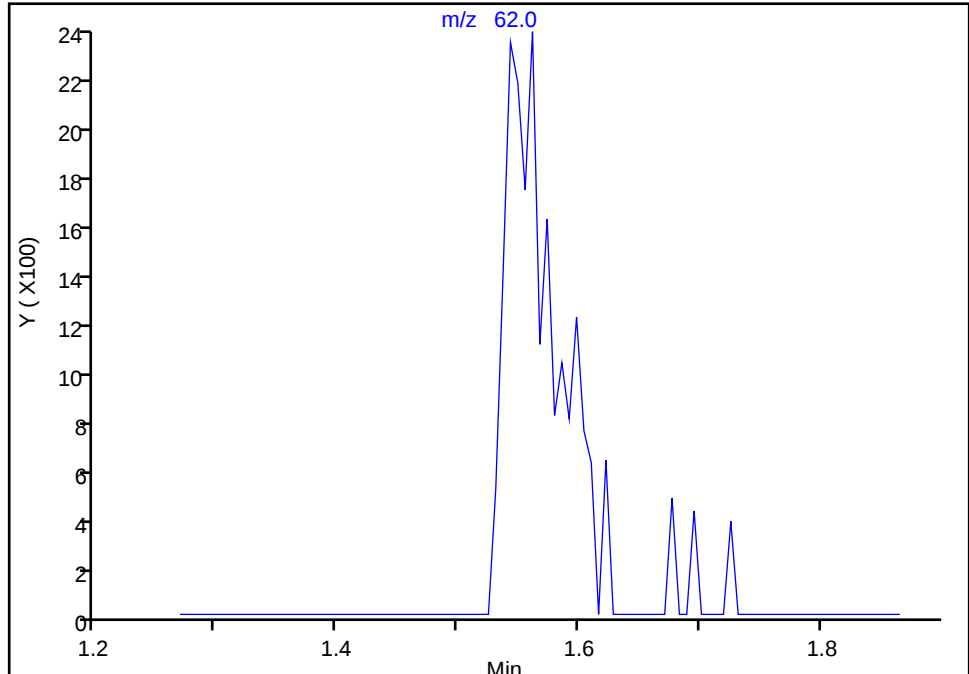
13 Vinyl chloride, CAS: 75-01-4

Signal: 1

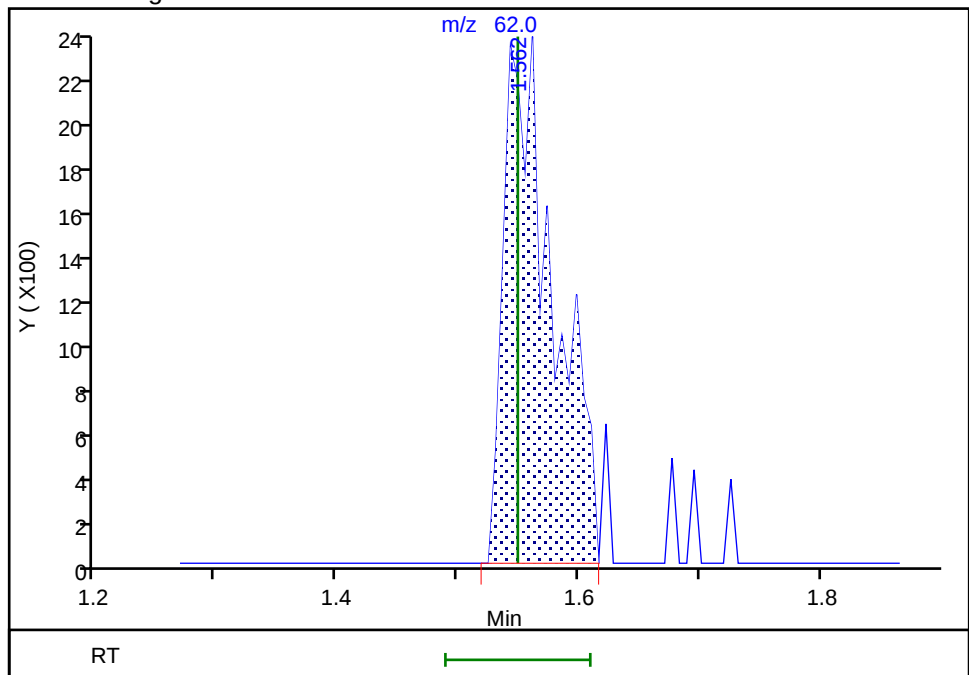
Not Detected

Expected RT: 1.55

Processing Integration Results



Manual Integration Results



RT: 1.56

Area: 6596

Amount: 0.487086

Amount Units: ug/L

Reviewer: nowakk, 20-Jun-2018 20:40:43

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

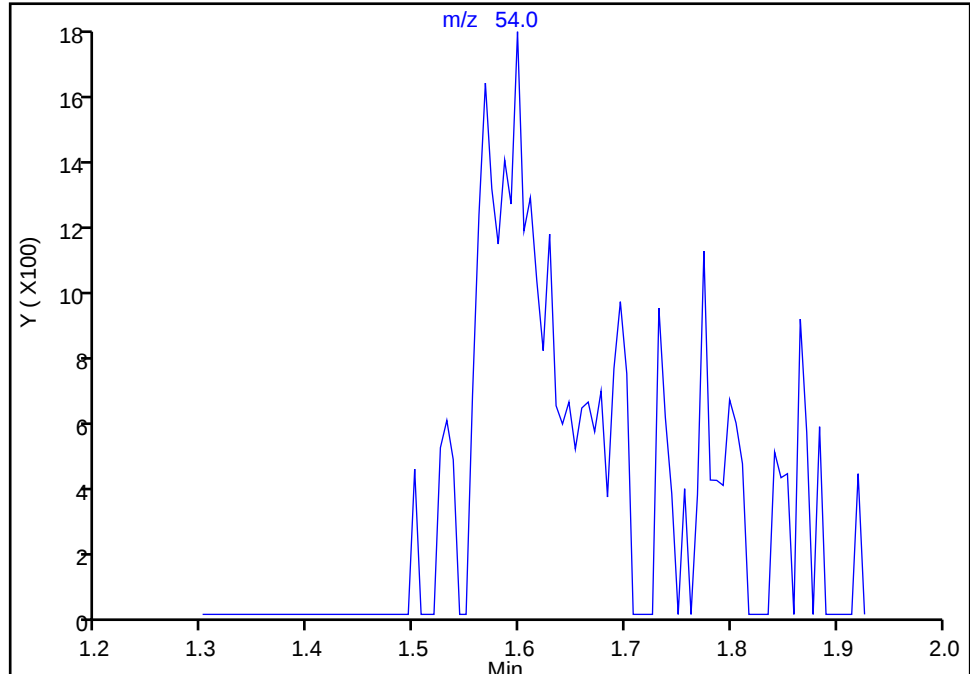
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

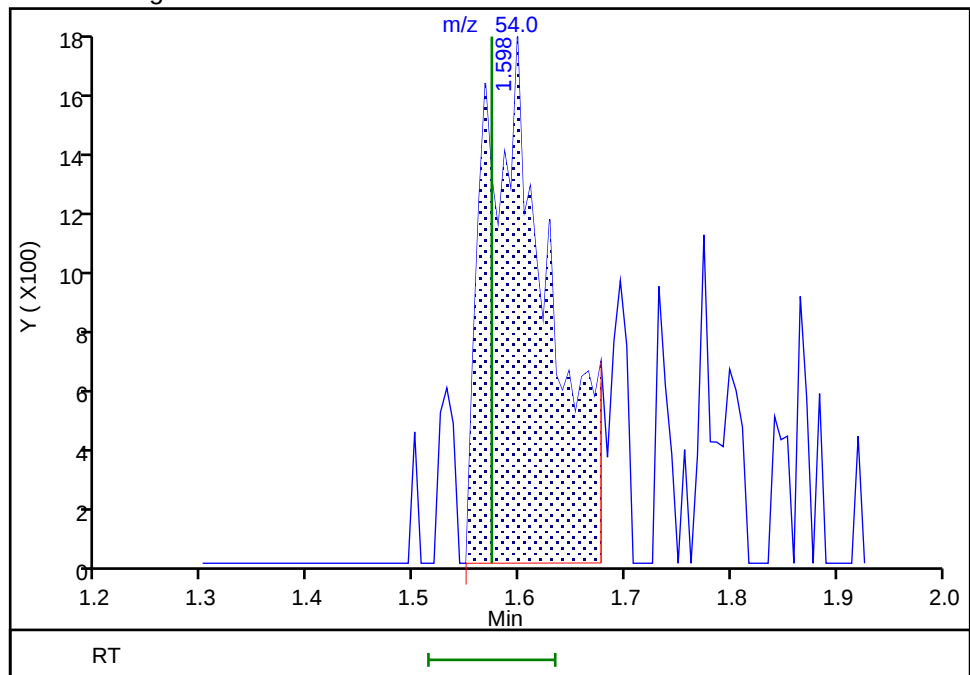
Not Detected
Expected RT: 1.57

Processing Integration Results



Manual Integration Results

RT: 1.60
Area: 7413
Amount: 0.524880
Amount Units: ug/L



Reviewer: moffata, 21-Jun-2018 11:56:38
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

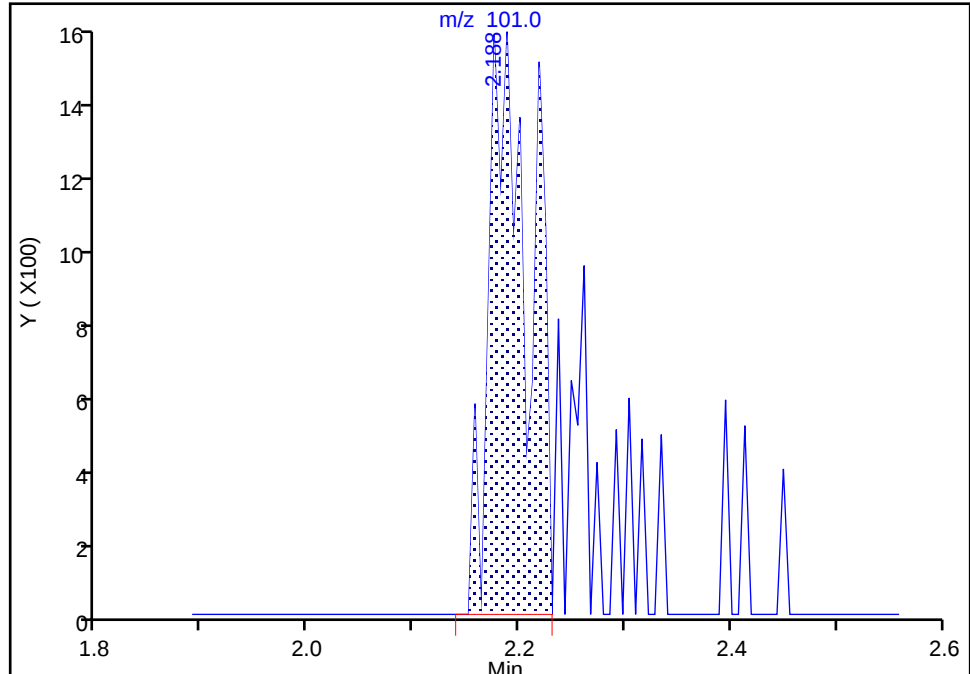
MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

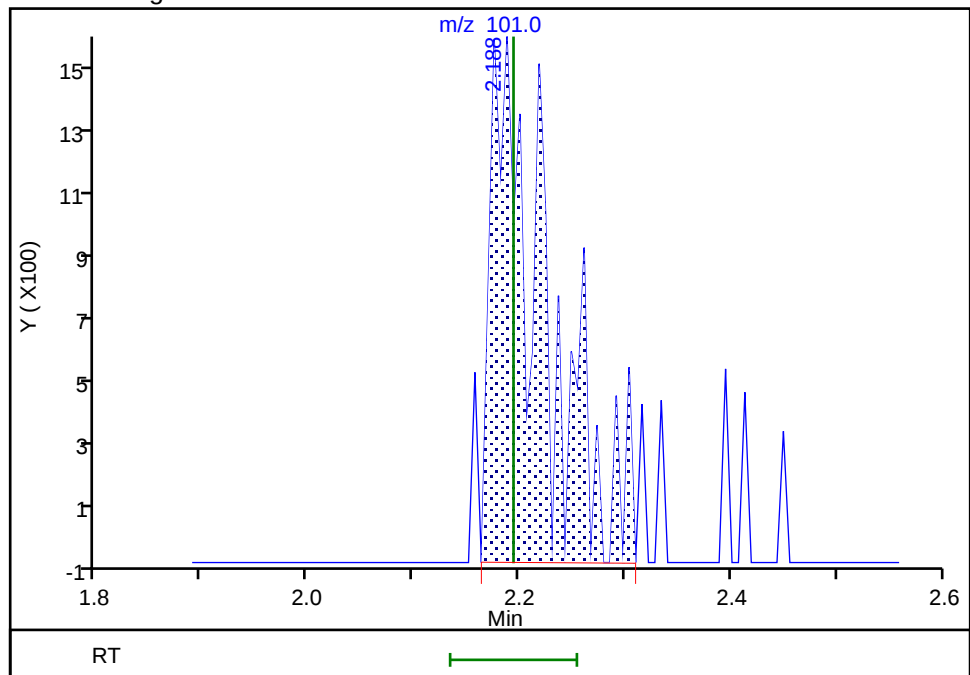
RT: 2.19
Area: 4042
Amount: 0.598811
Amount Units: ug/L

Processing Integration Results



RT: 2.19
Area: 5380
Amount: 0.419280
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:45:22

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

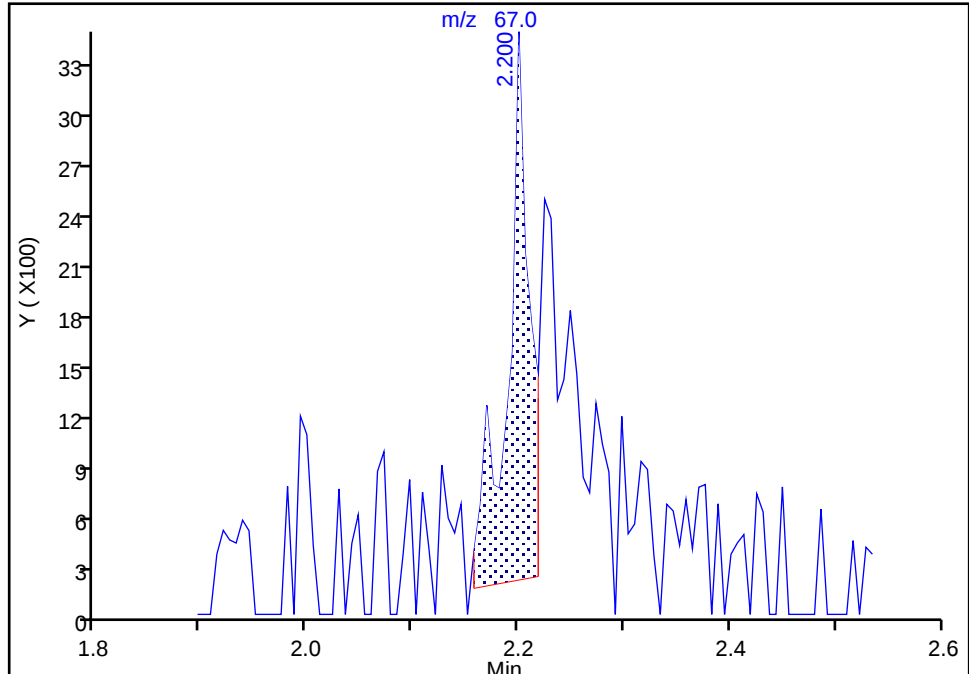
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

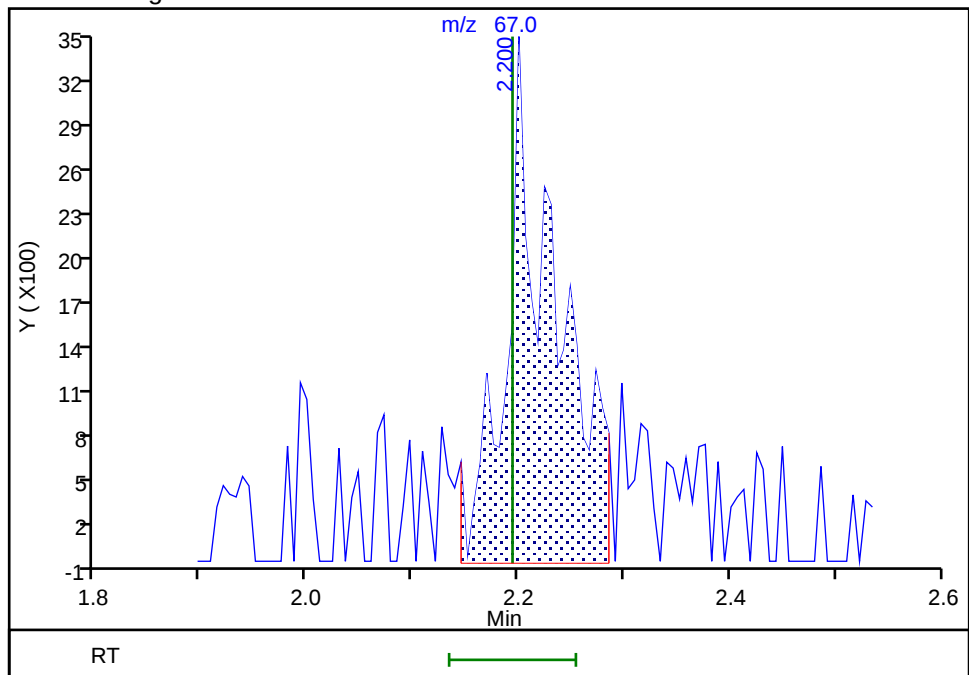
RT: 2.20
Area: 4764
Amount: 0.316635
Amount Units: ug/L

Processing Integration Results



RT: 2.20
Area: 11460
Amount: 0.638193
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:41:07
Audit Action: Manually Integrated

Audit Reason: Baseline
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

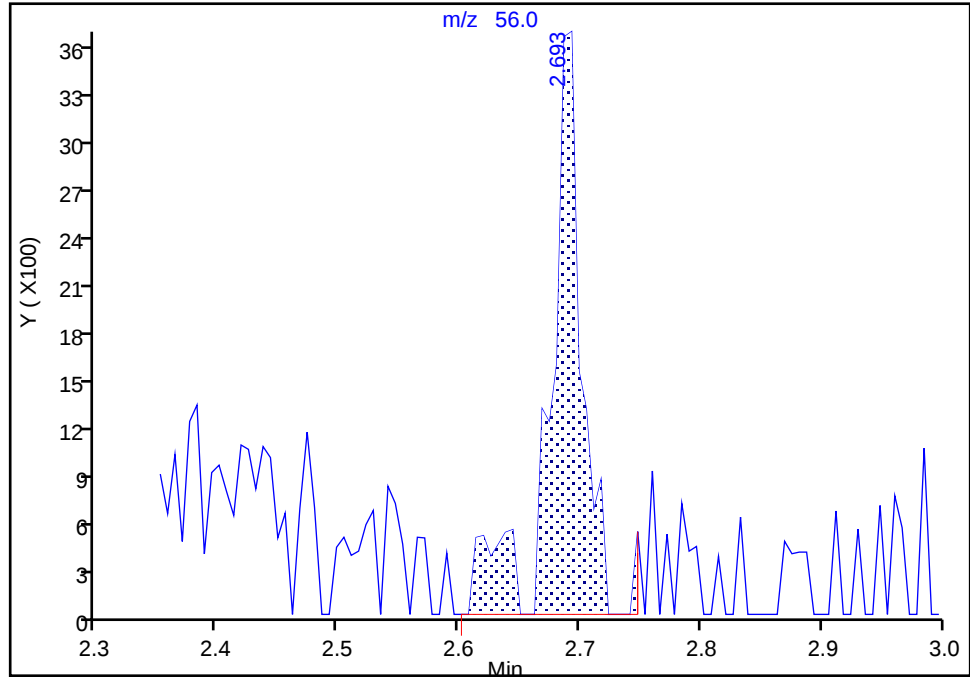
Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

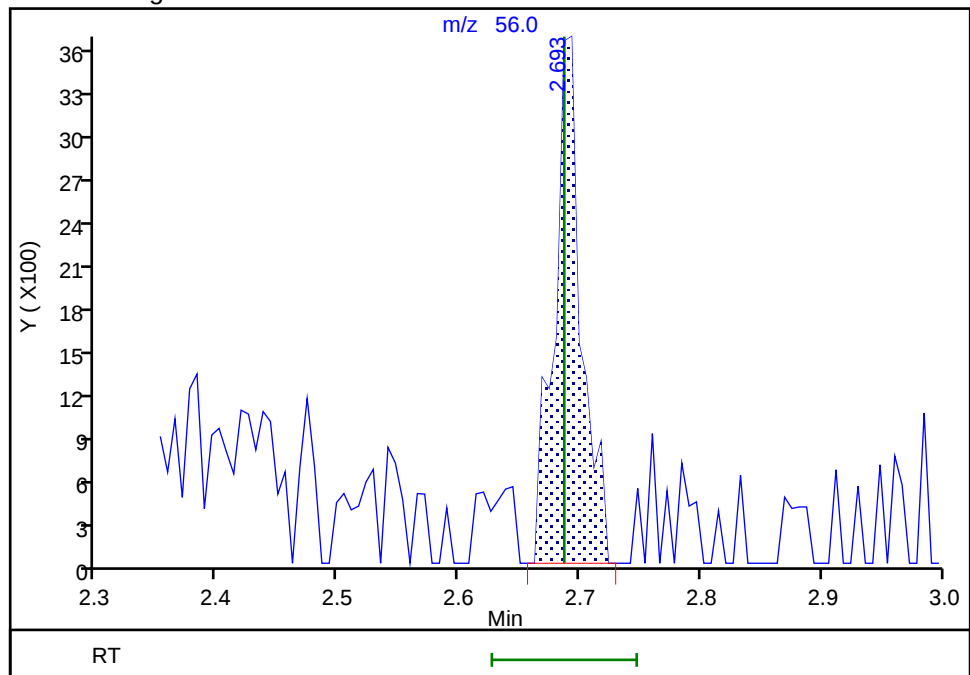
RT: 2.69
Area: 6846
Amount: 3.145829
Amount Units: ug/L

Processing Integration Results



RT: 2.69
Area: 5643
Amount: 2.581028
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:42:04

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Buffalo

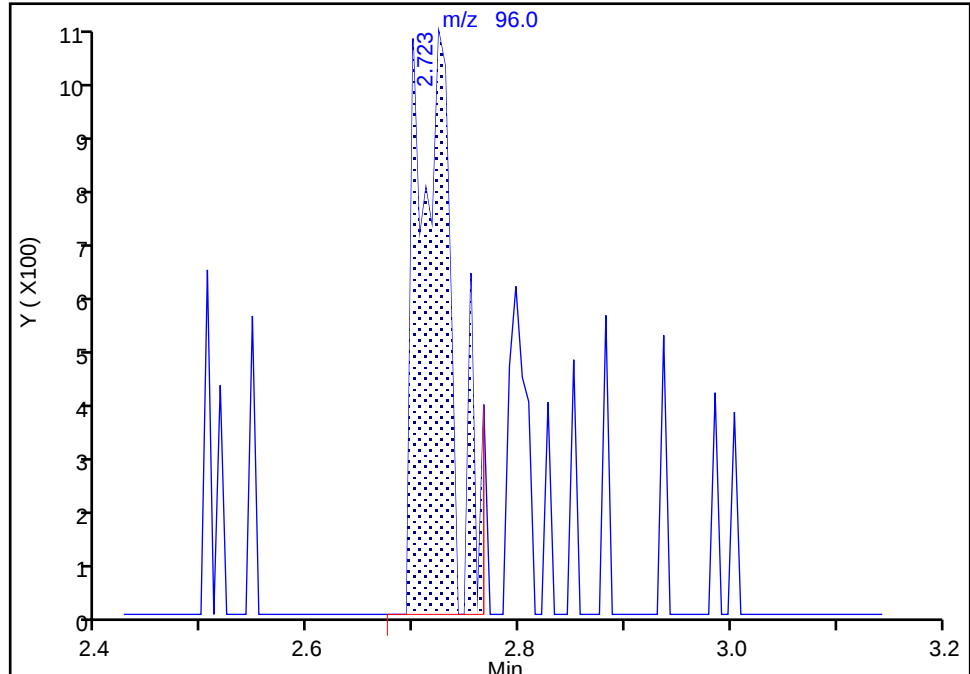
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

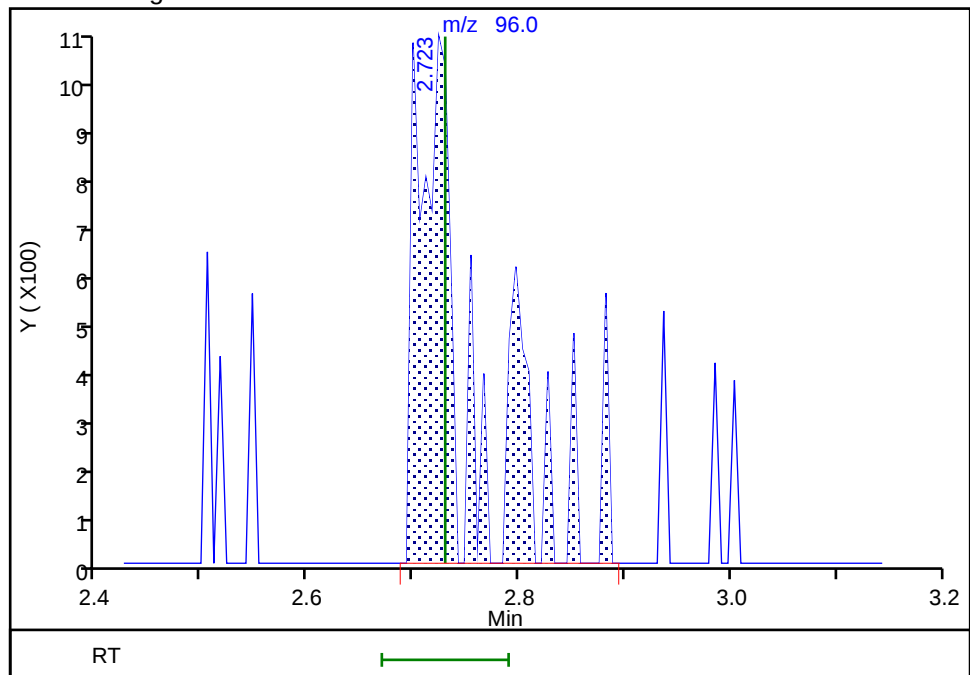
RT: 2.72
Area: 2399
Amount: 0.270204
Amount Units: ug/L

Processing Integration Results



RT: 2.72
Area: 3550
Amount: 0.403737
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:47:14
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

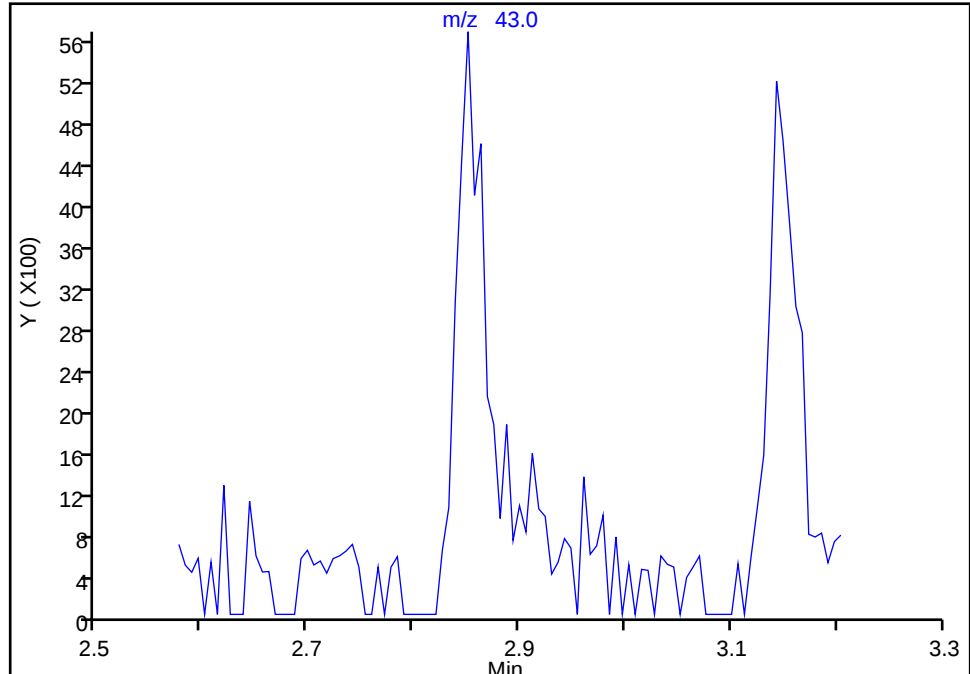
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

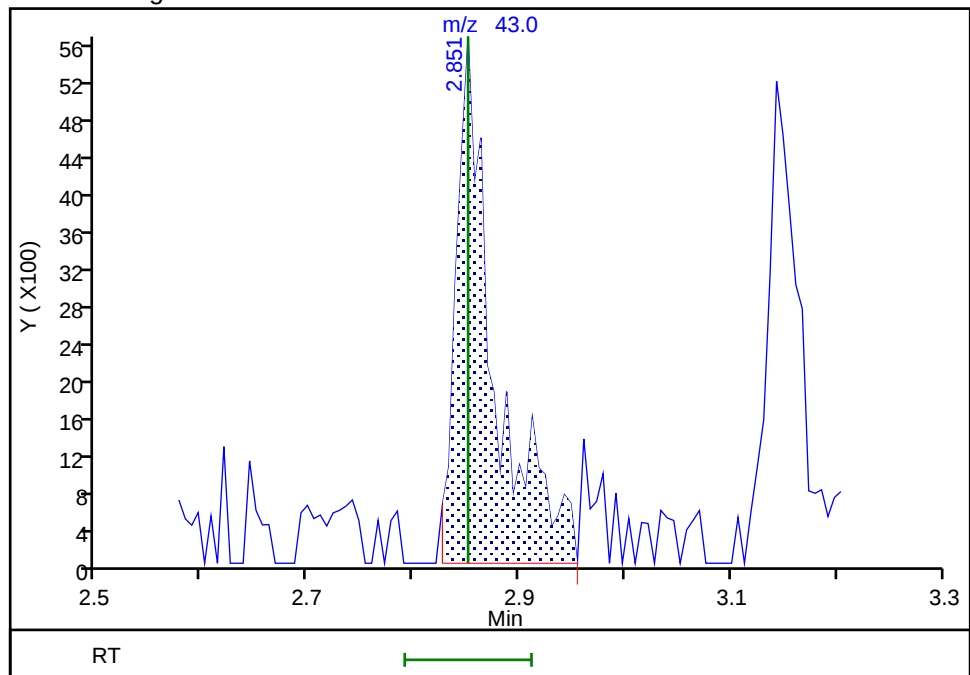
Not Detected
Expected RT: 2.85

Processing Integration Results



RT: 2.85
Area: 13929
Amount: 3.637017
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:42:59

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Buffalo

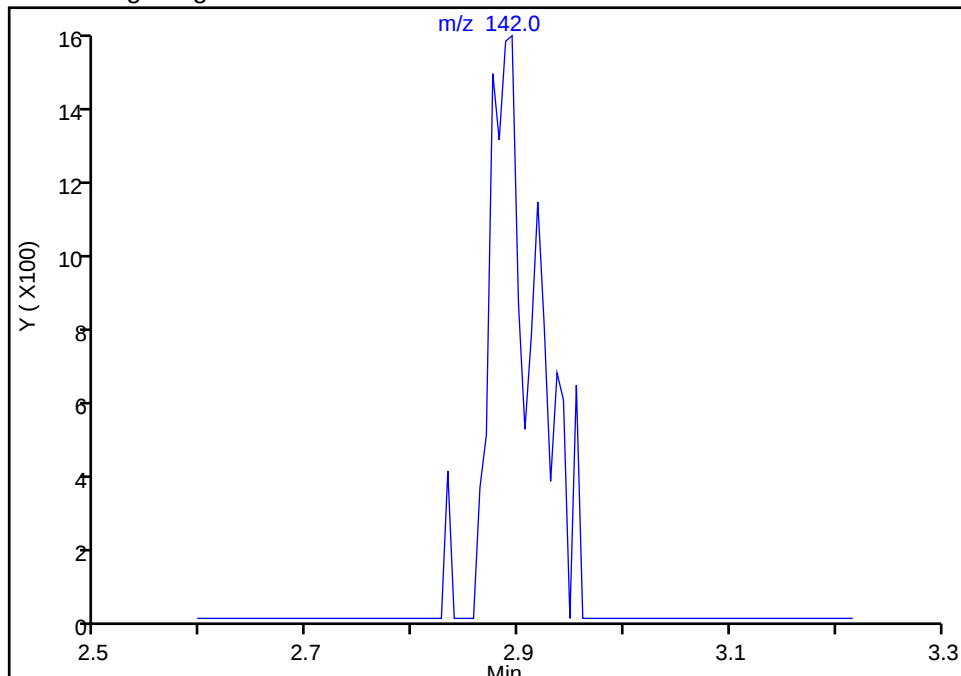
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

25 Iodomethane, CAS: 74-88-4

Signal: 1

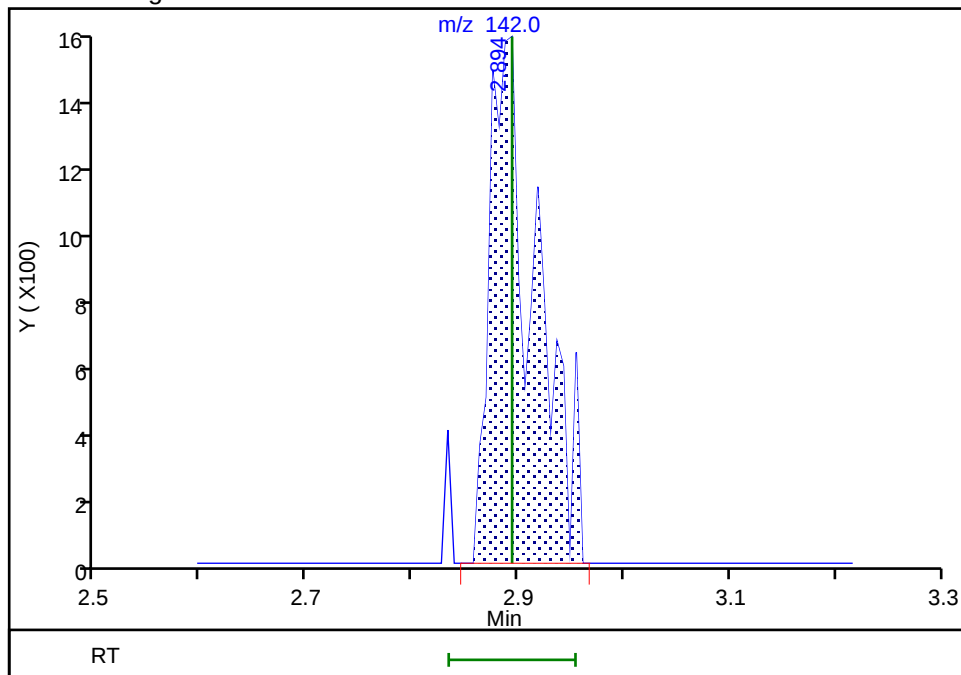
Not Detected
Expected RT: 2.89

Processing Integration Results



RT: 2.89
Area: 4781
Amount: 0.371790
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 11:57:46

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

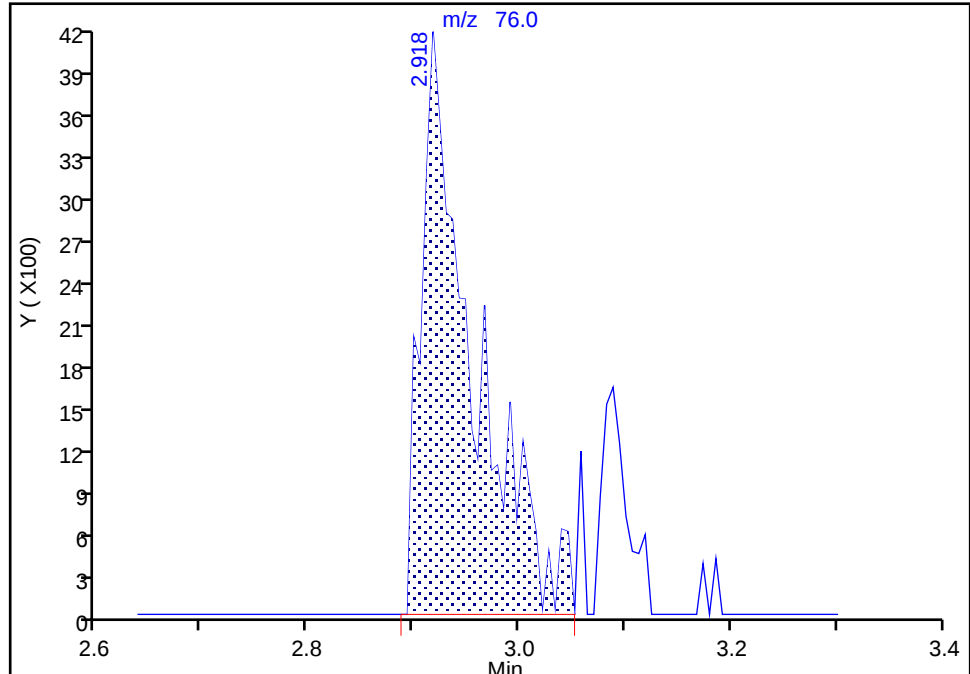
Detector: MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Signal: 1

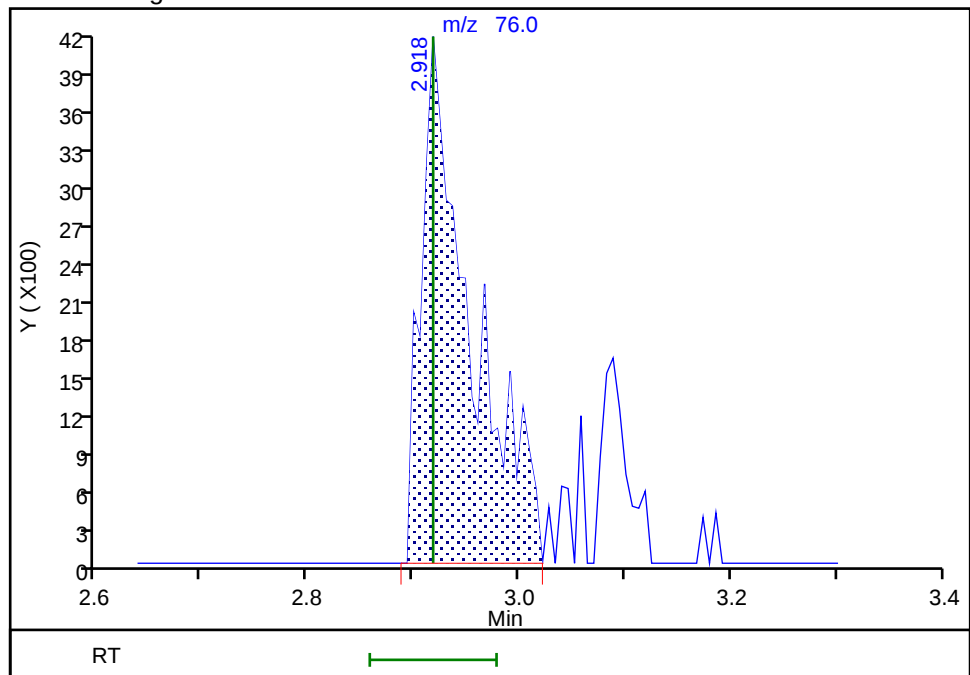
RT: 2.92
Area: 14115
Amount: 0.500876
Amount Units: ug/L

Processing Integration Results



RT: 2.92
Area: 13516
Amount: 0.482183
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 11:58:14

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

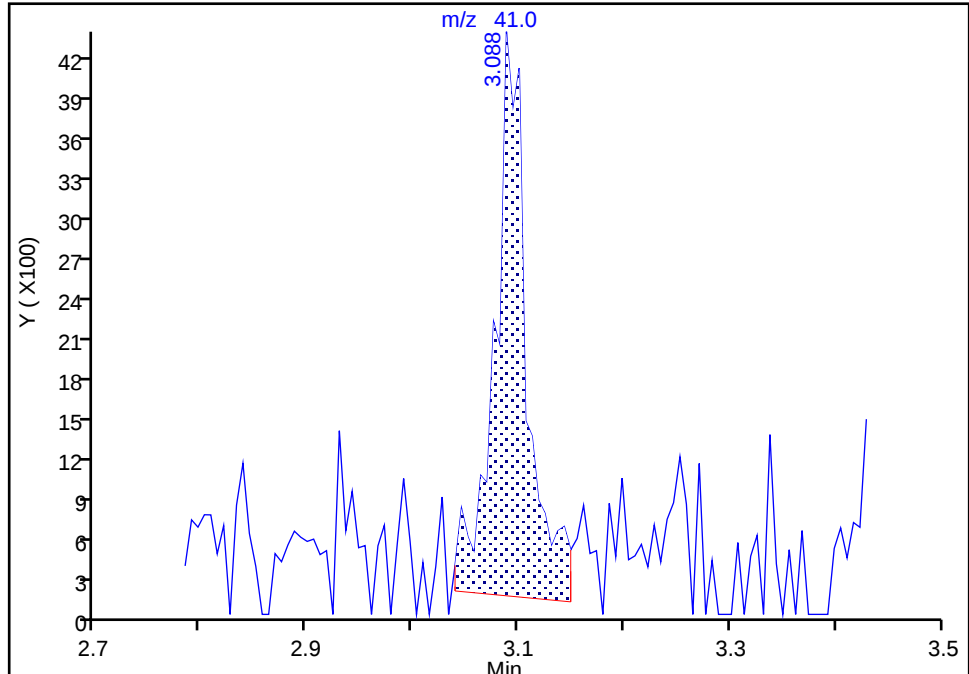
MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

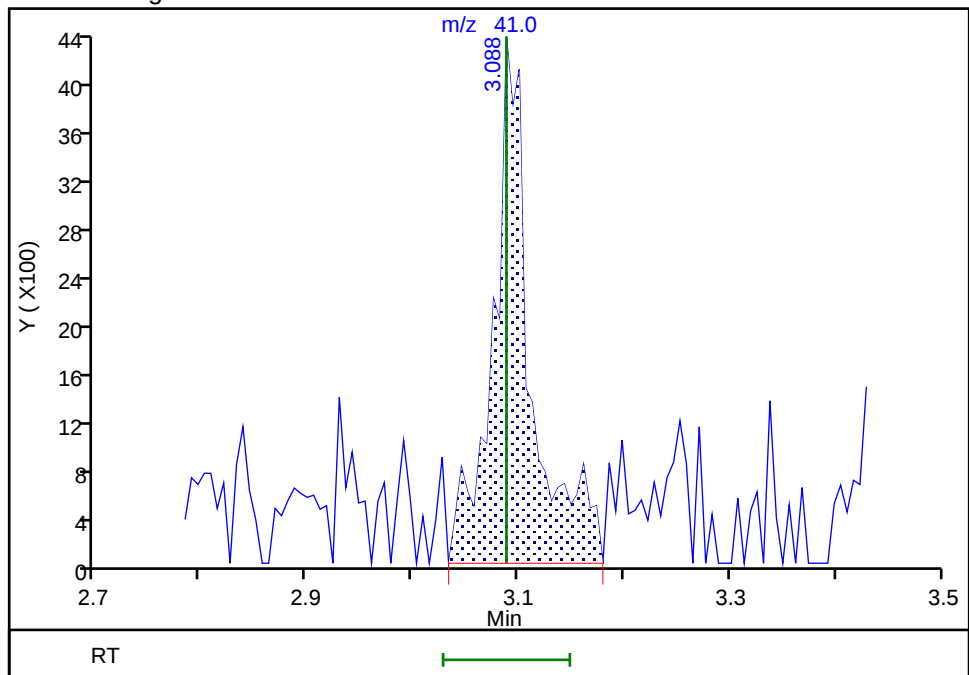
RT: 3.09
Area: 8961
Amount: 0.540219
Amount Units: ug/L

Processing Integration Results



RT: 3.09
Area: 10726
Amount: 0.629202
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 11:55:59

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

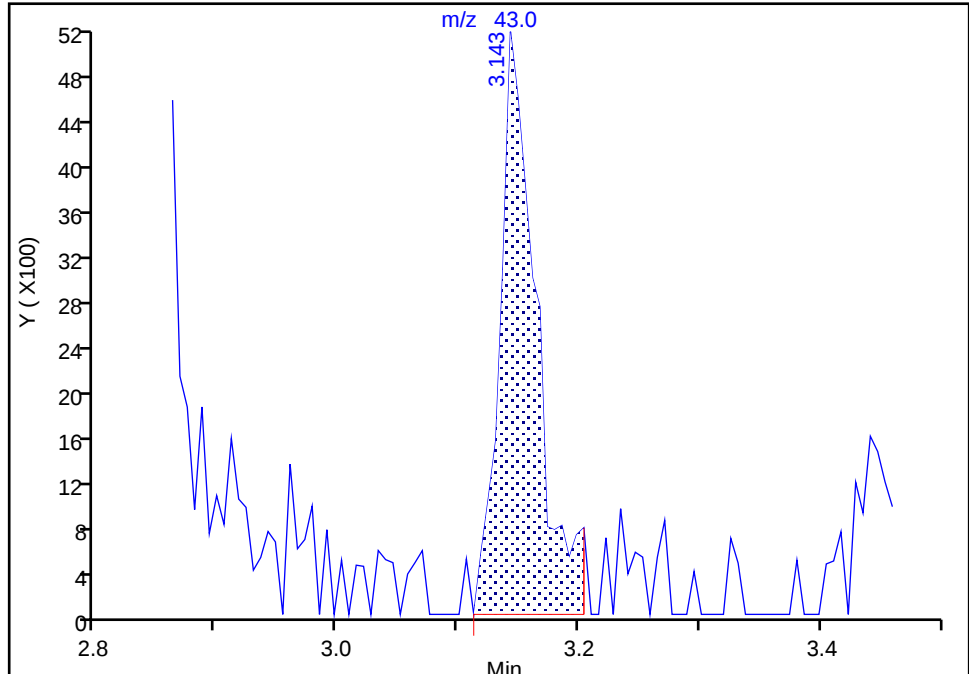
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

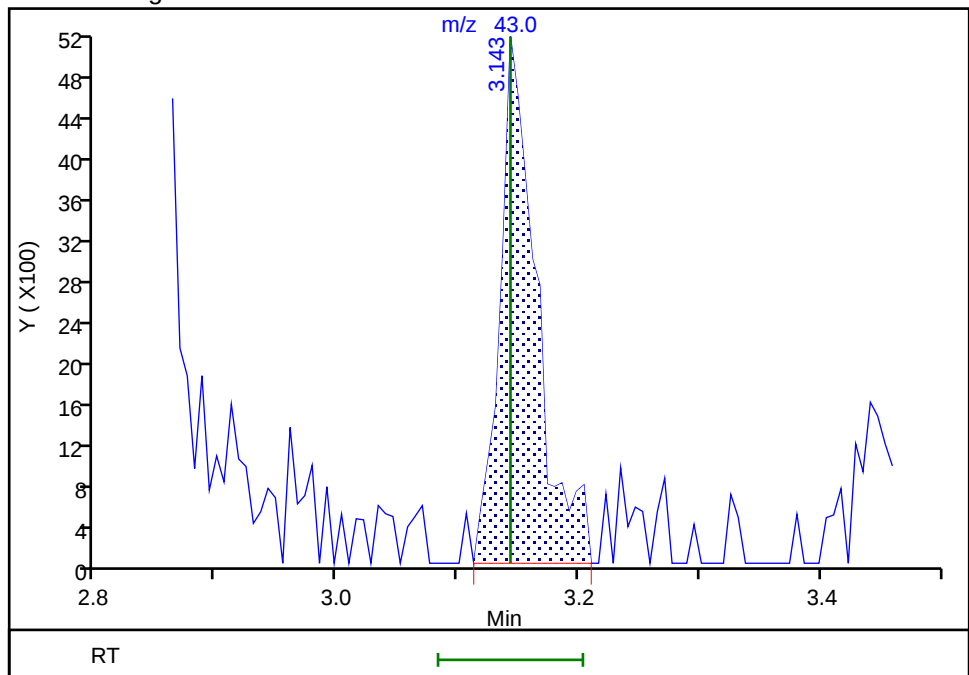
RT: 3.14
Area: 10797
Amount: 1.072511
Amount Units: ug/L

Processing Integration Results



RT: 3.14
Area: 10797
Amount: 1.073869
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 11:58:27

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

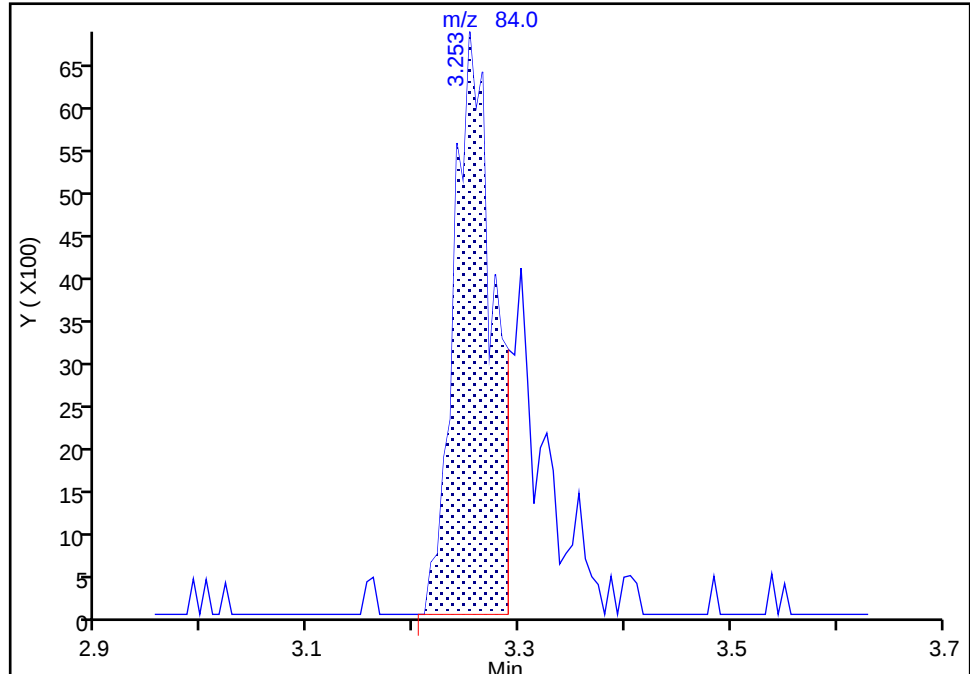
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

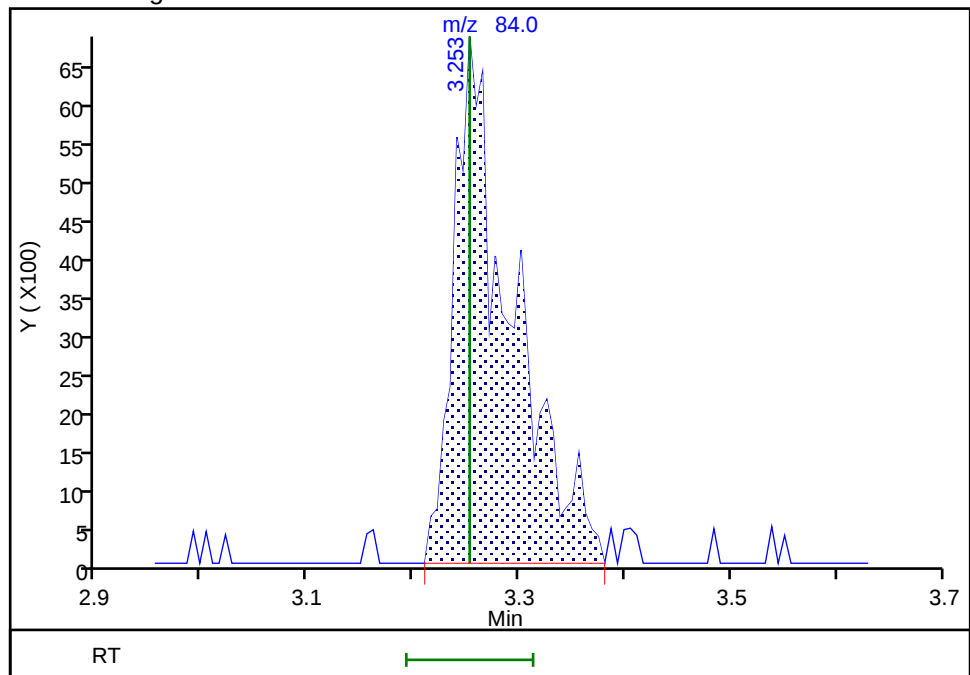
RT: 3.25
Area: 17805
Amount: 1.289031
Amount Units: ug/L

Processing Integration Results



RT: 3.25
Area: 25876
Amount: 0.589276
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:43:43
Audit Action: Manually Integrated

Audit Reason: Baseline
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TestAmerica Buffalo

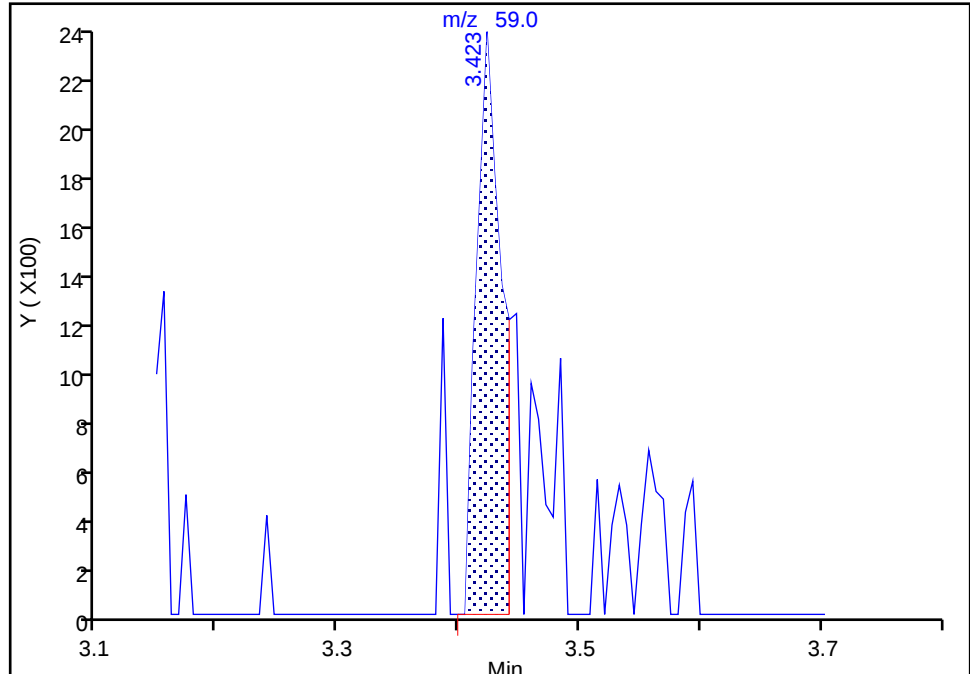
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

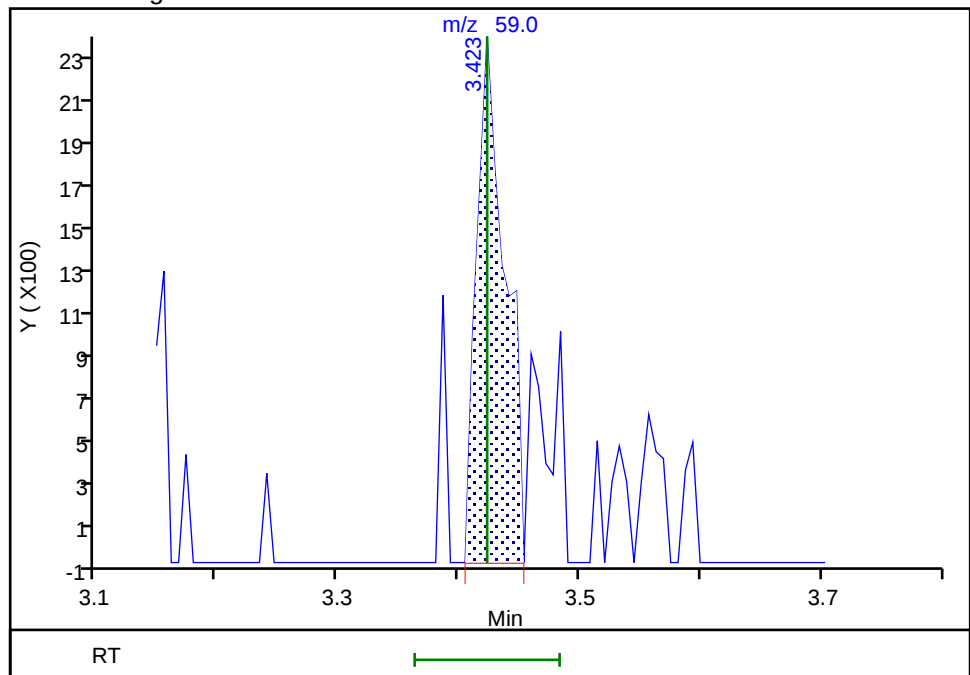
RT: 3.42
Area: 3386
Amount: 3.028648
Amount Units: ug/L

Processing Integration Results



RT: 3.42
Area: 3836
Amount: 2.956164
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:47:12
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

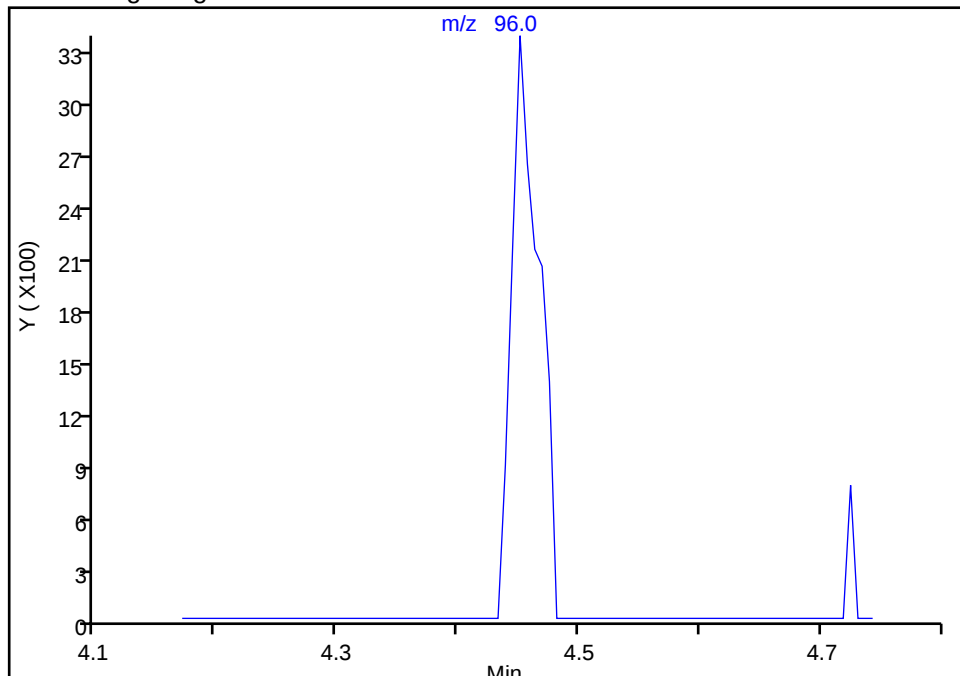
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

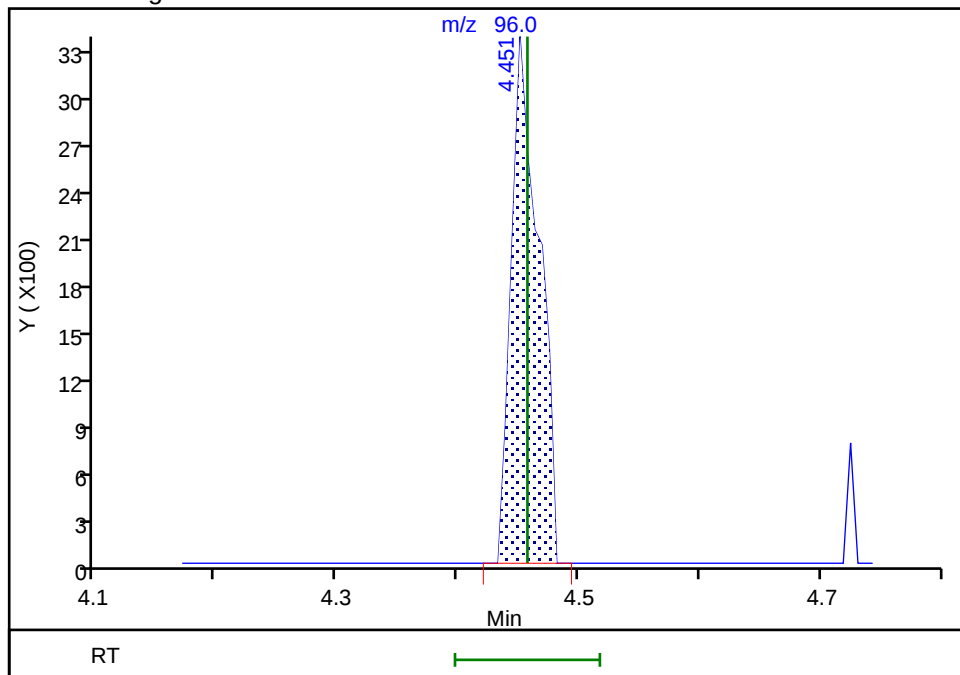
Not Detected
Expected RT: 4.46

Processing Integration Results



RT: 4.45
Area: 5275
Amount: 0.456176
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:43:54
Audit Action: Assigned Compound ID

Audit Reason: Baseline
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

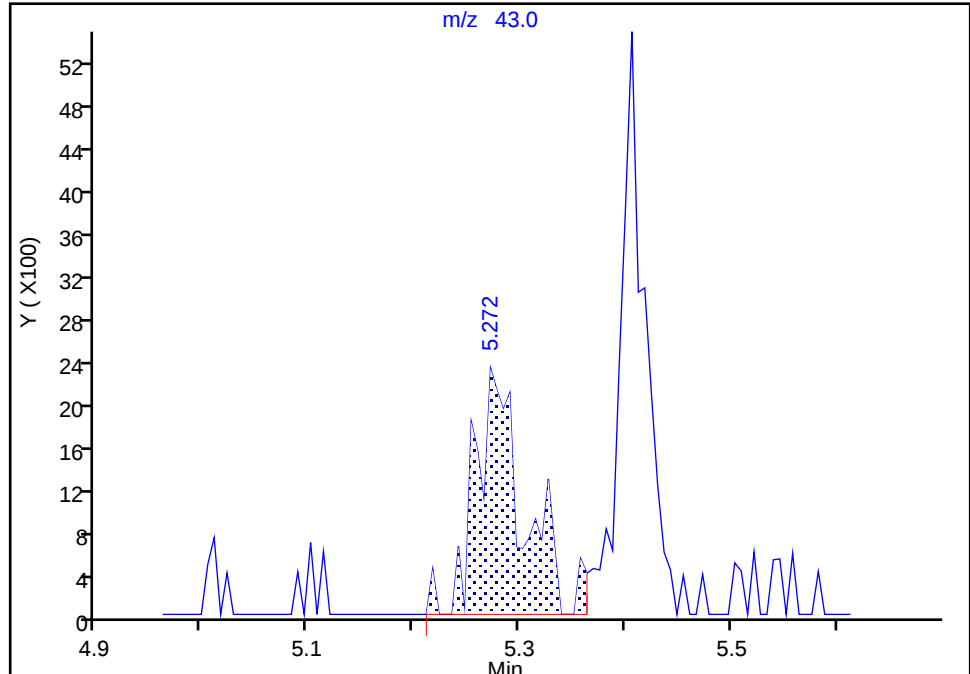
Detector: MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

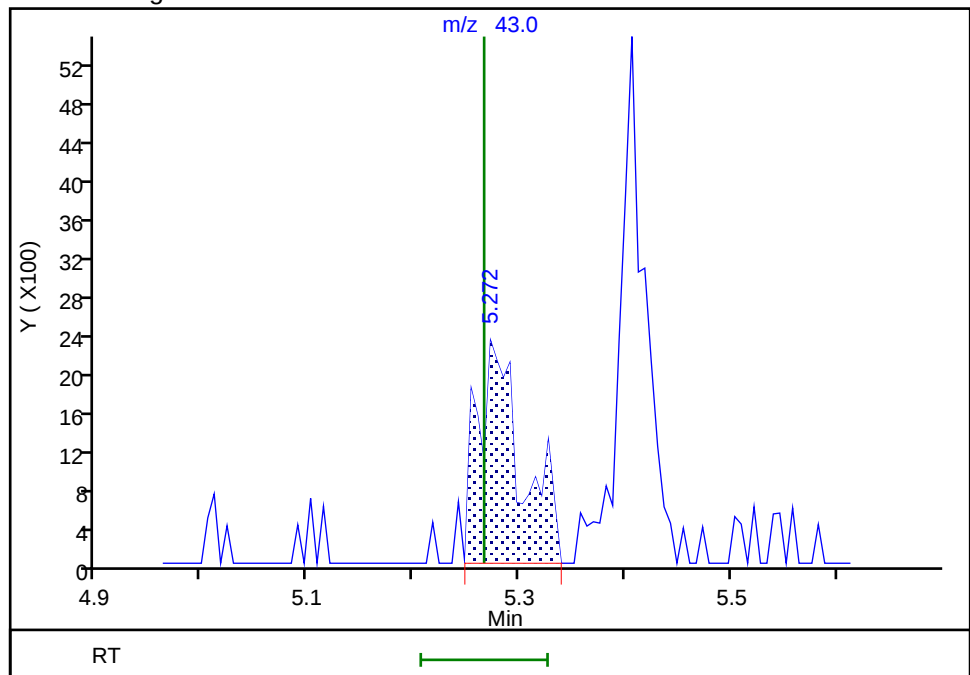
RT: 5.27
Area: 7407
Amount: 13.382108
Amount Units: ug/L

Processing Integration Results



RT: 5.27
Area: 6683
Amount: 12.234095
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:00:59

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

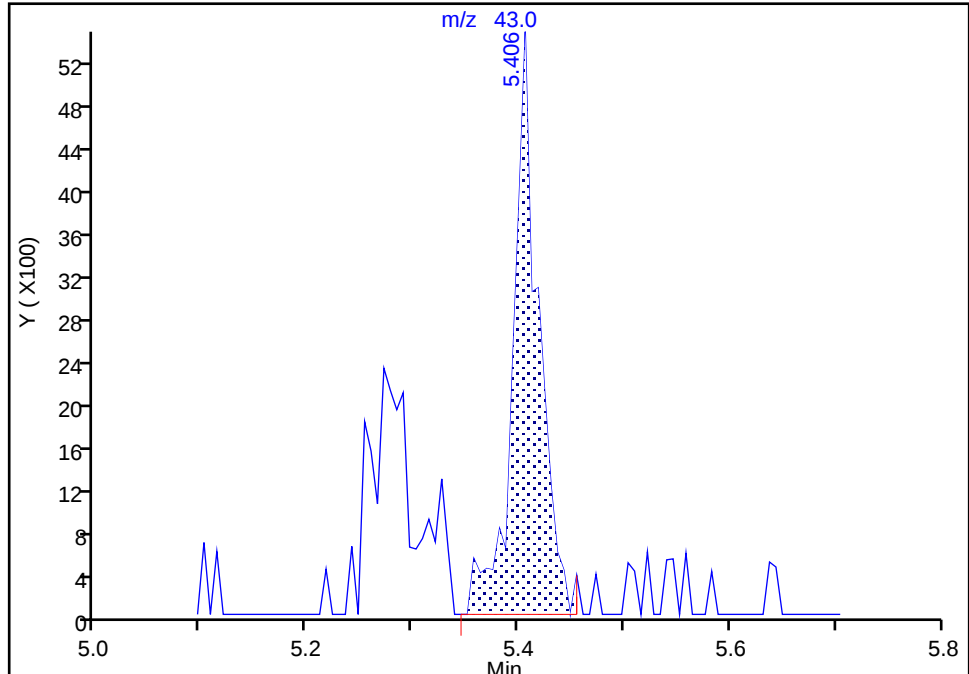
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

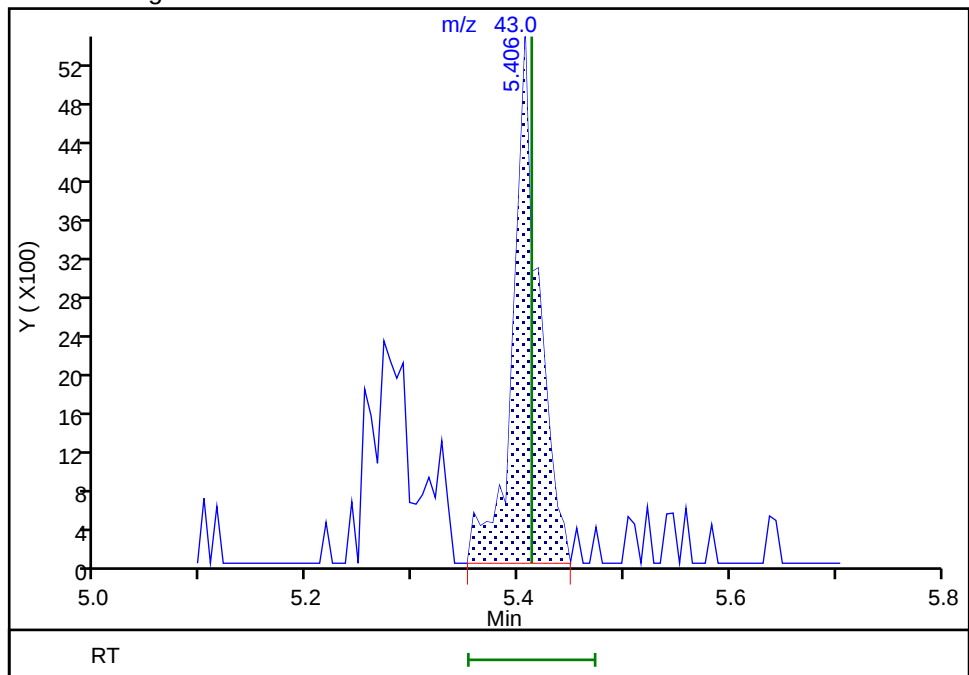
RT: 5.41
Area: 9374
Amount: 0.547303
Amount Units: ug/L

Processing Integration Results



RT: 5.41
Area: 9240
Amount: 0.535437
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:01:10
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

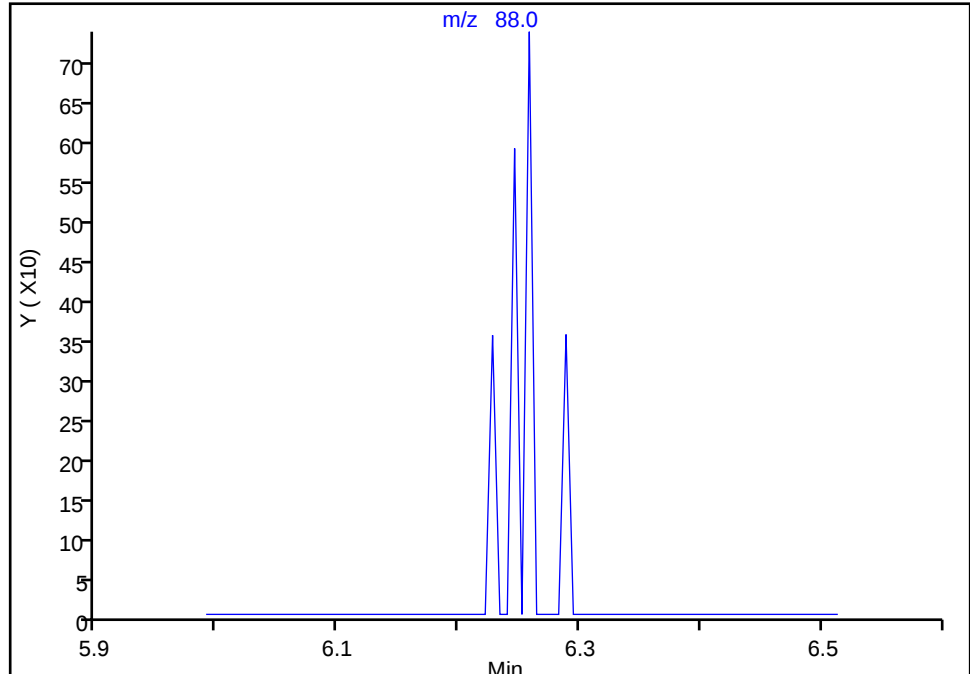
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

Not Detected

Expected RT: 6.25

Processing Integration Results



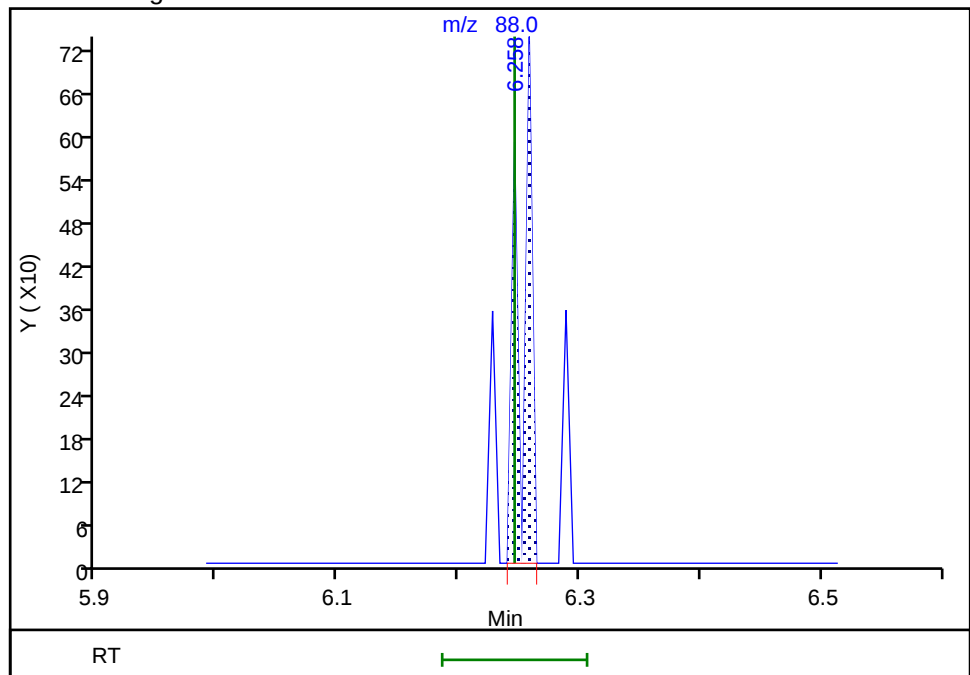
RT: 6.26

Area: 485

Amount: 18.689662

Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:45:10

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo

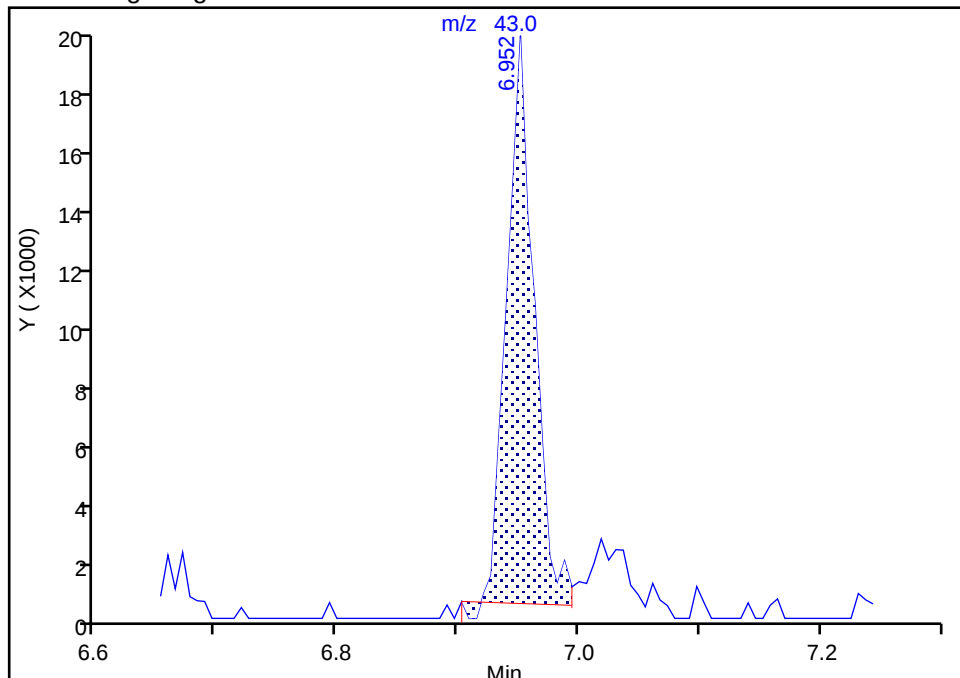
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

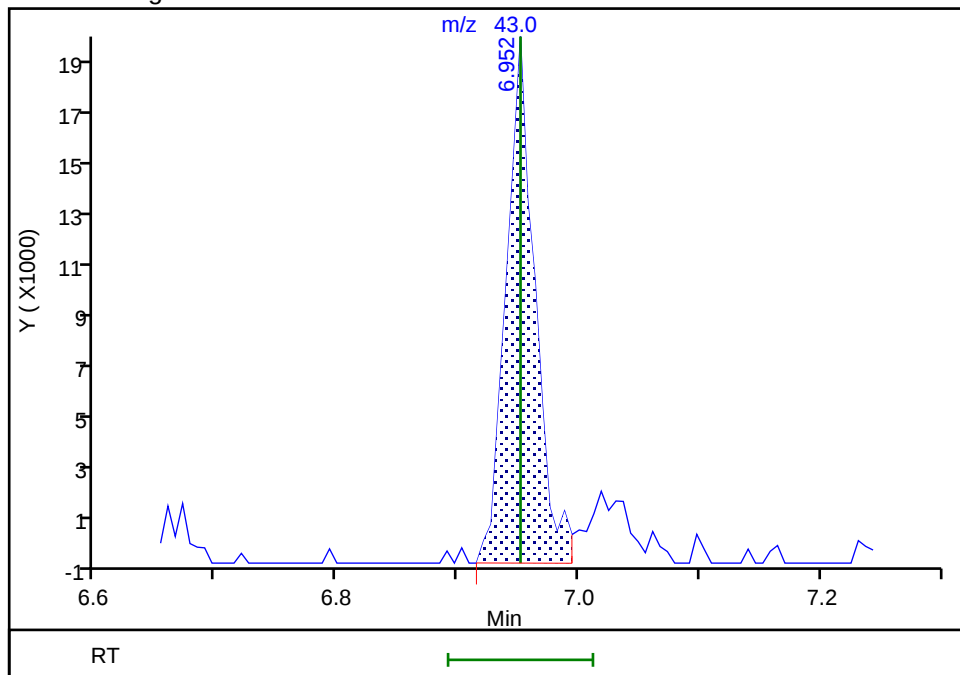
RT: 6.95
Area: 29564
Amount: 2.370232
Amount Units: ug/L

Processing Integration Results



RT: 6.95
Area: 32292
Amount: 2.560938
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:03:07

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

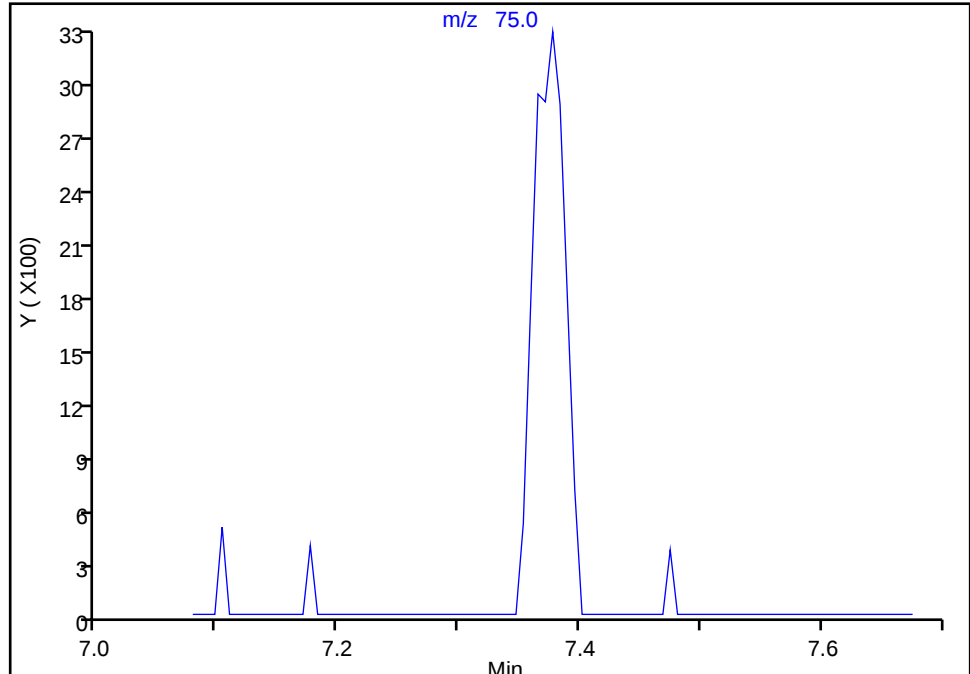
77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

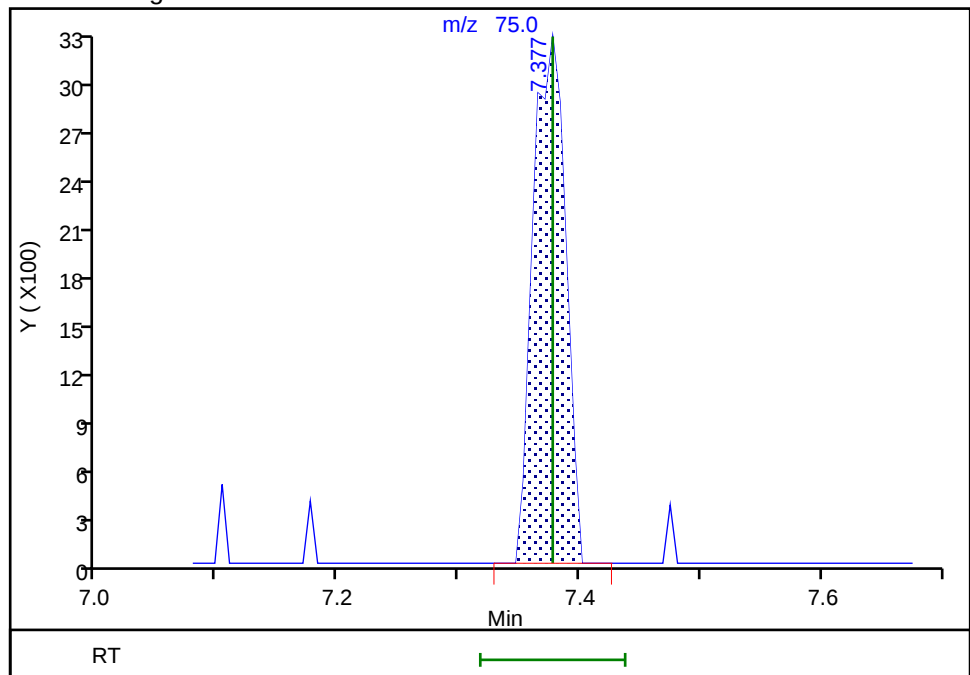
Not Detected

Expected RT: 7.38

Processing Integration Results



Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:45:20

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

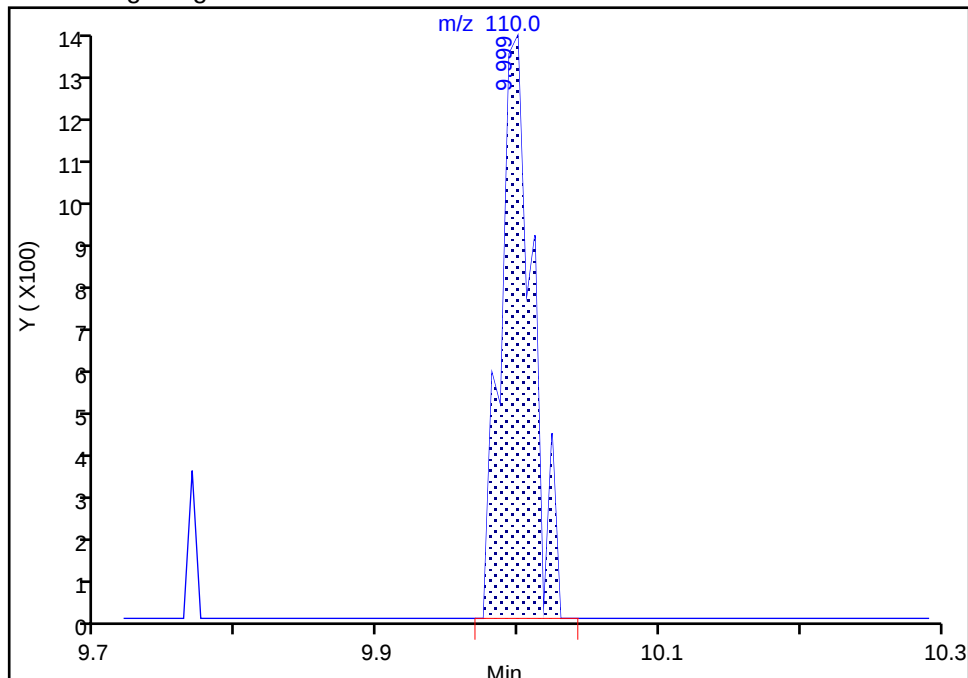
MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

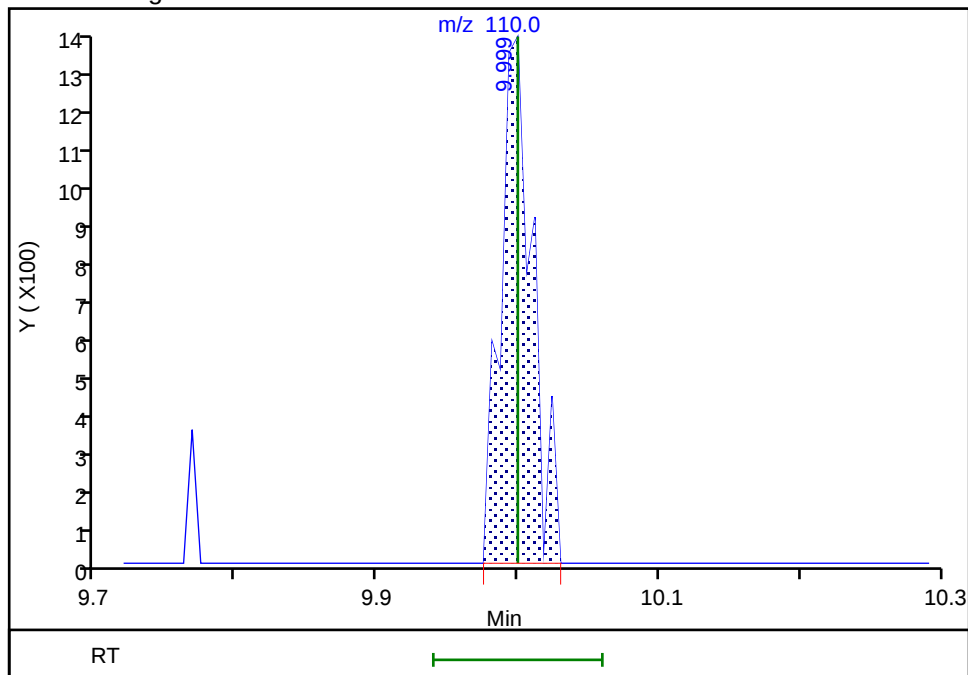
RT: 10.00
Area: 2169
Amount: 0.520804
Amount Units: ug/L

Processing Integration Results



RT: 10.00
Area: 2169
Amount: 0.525119
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:04:14

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

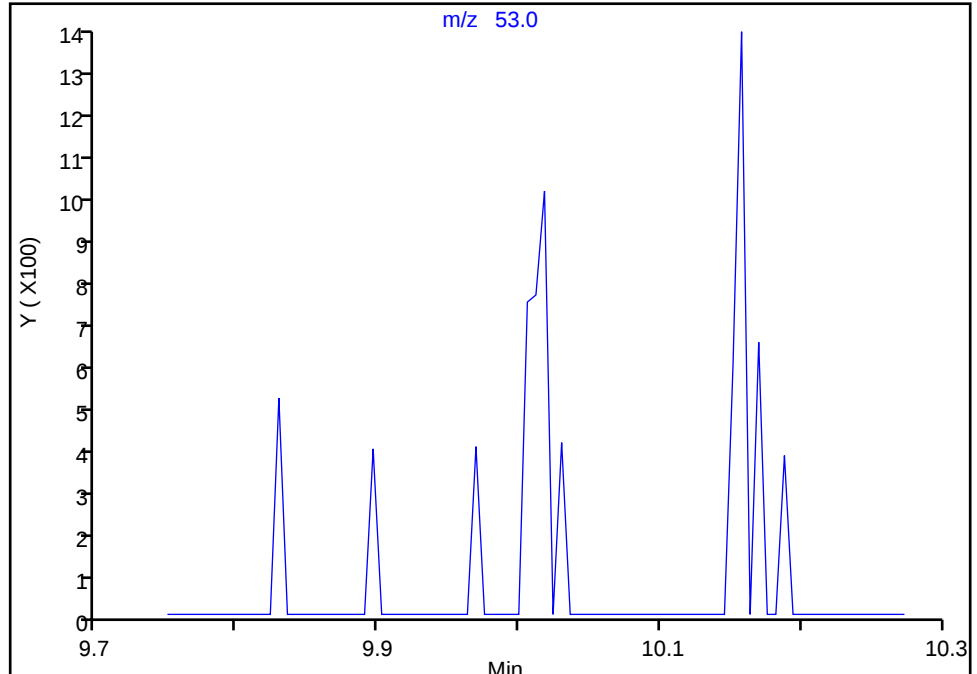
98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

Not Detected

Expected RT: 10.01

Processing Integration Results



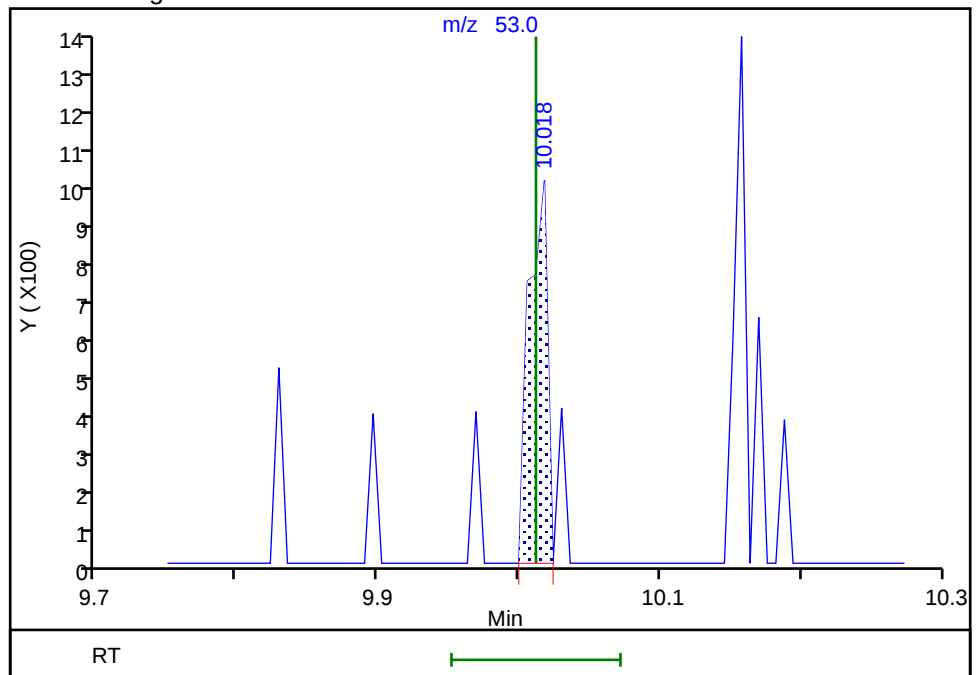
RT: 10.02

Area: 863

Amount: 0.772476

Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:04:23

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

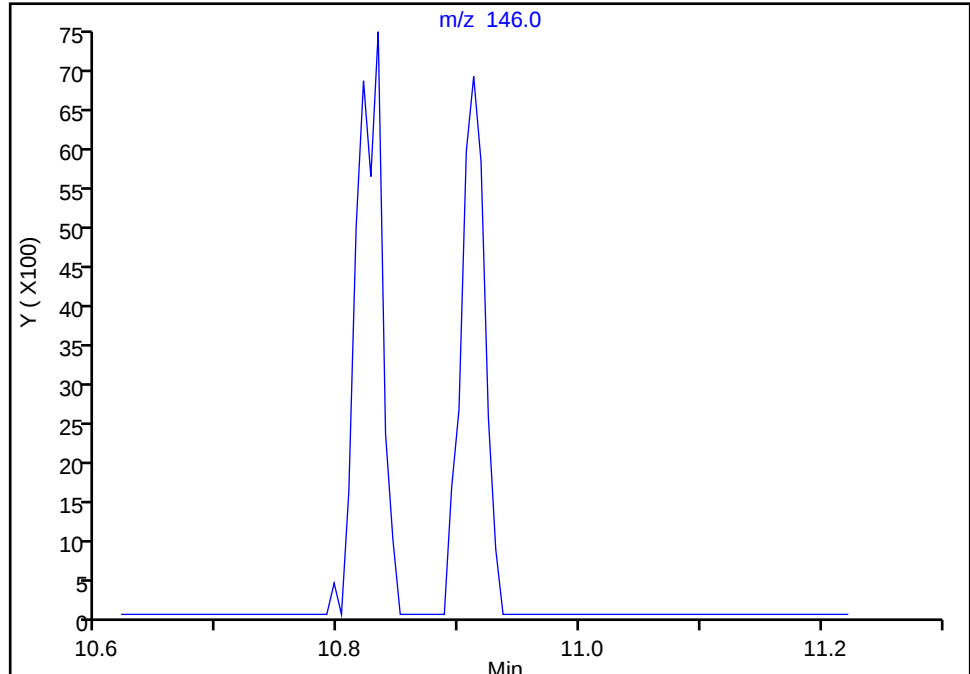
113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

Not Detected

Expected RT: 10.91

Processing Integration Results



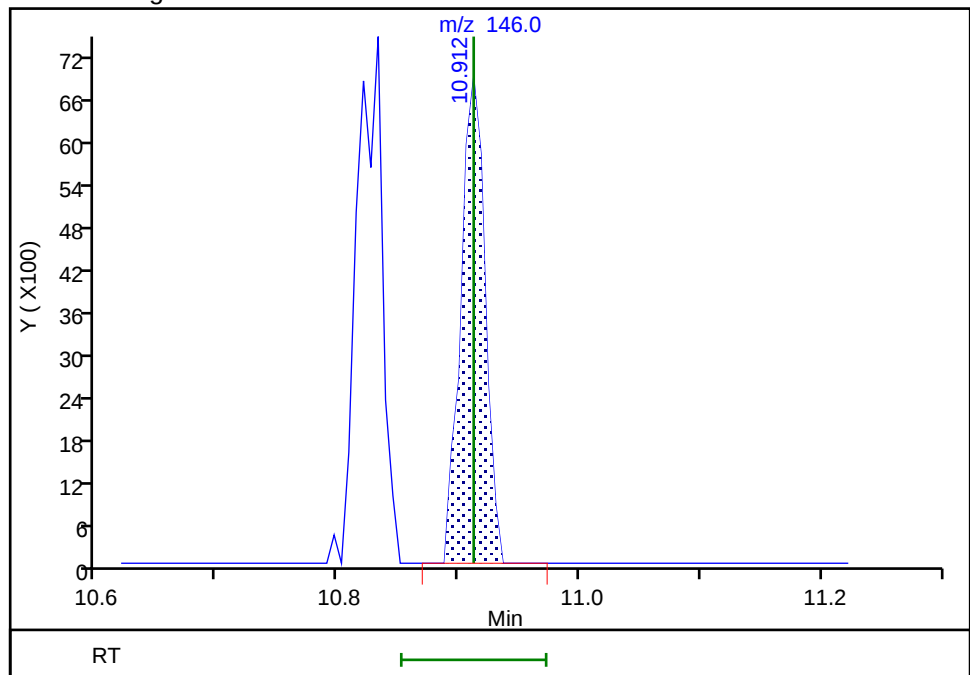
RT: 10.91

Area: 9616

Amount: 0.415448

Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:45:54

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo

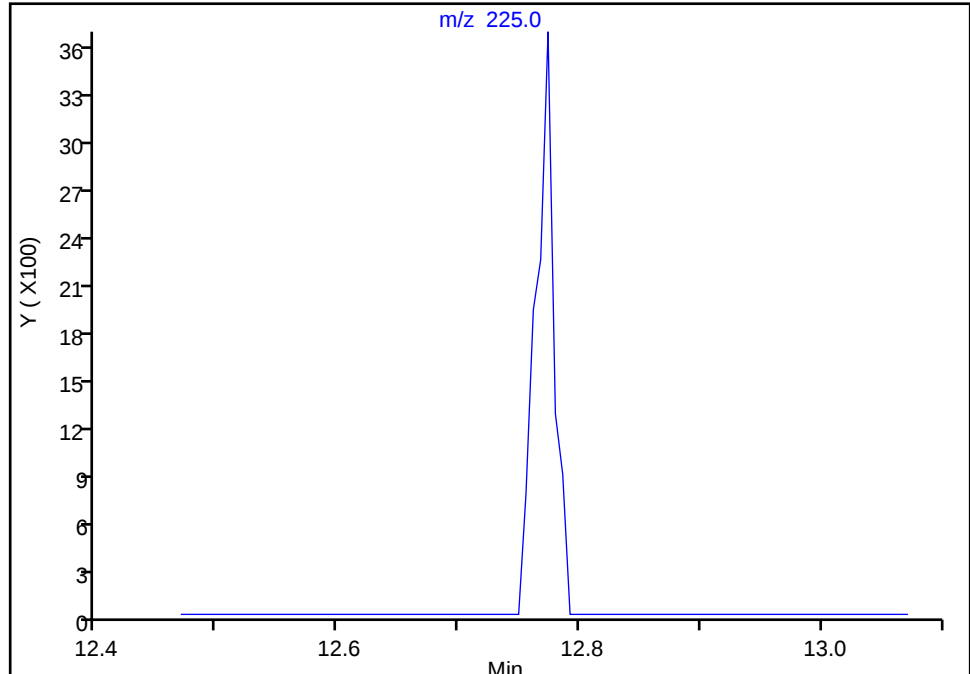
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

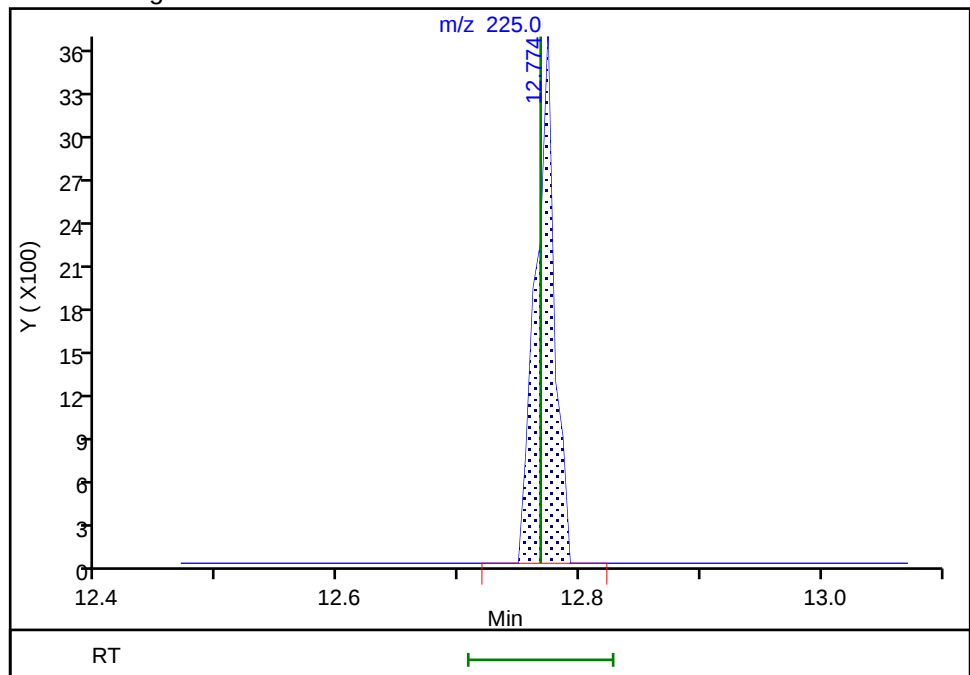
Not Detected
Expected RT: 12.77

Processing Integration Results



RT: 12.77
Area: 3906
Amount: 0.514056
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:46:00

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

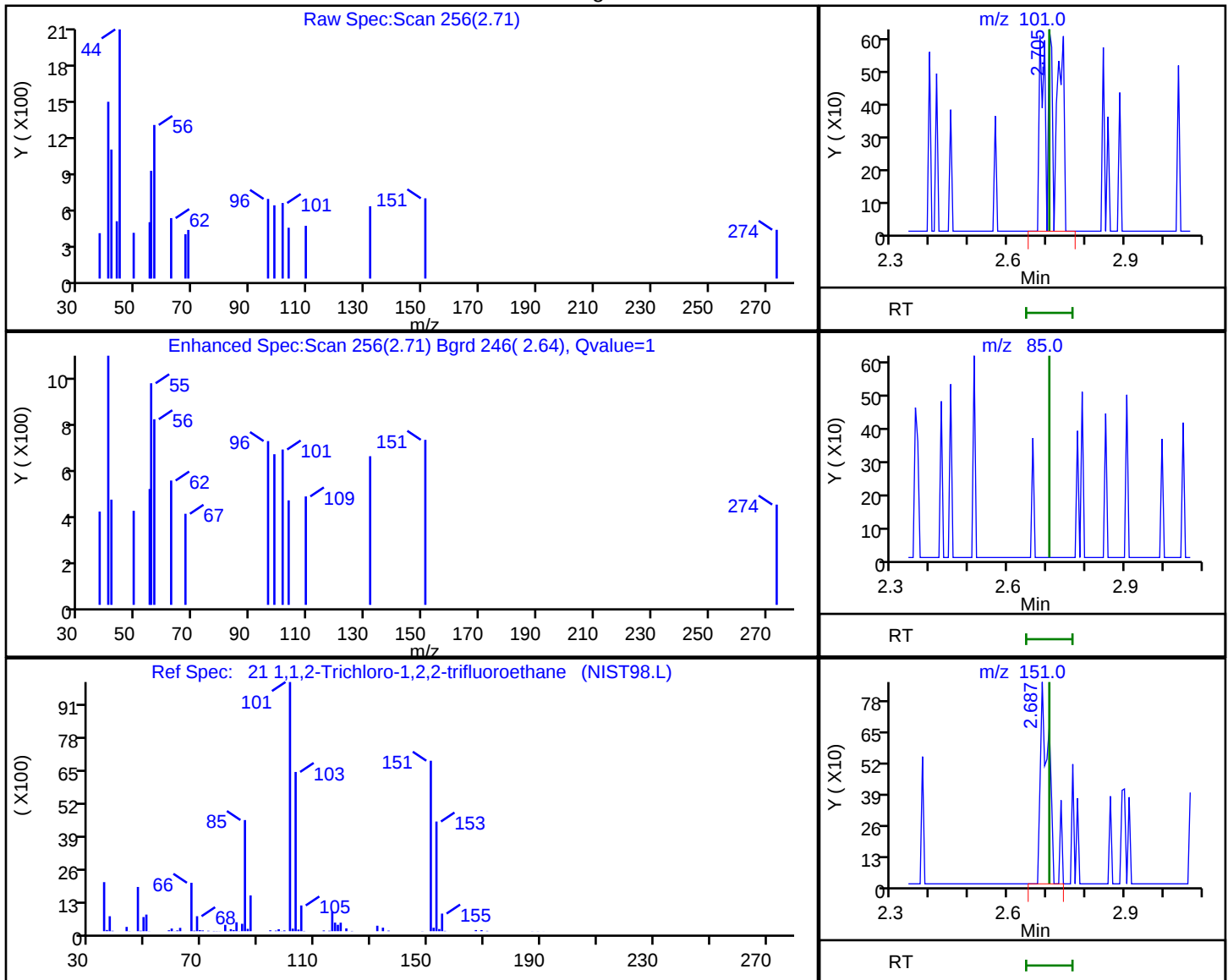
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
2.71	101.00	1737	0.614237
2.71	85.00	0	
2.69	151.00	1339	

Reviewer: moffata, 21-Jun-2018 11:57:25

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

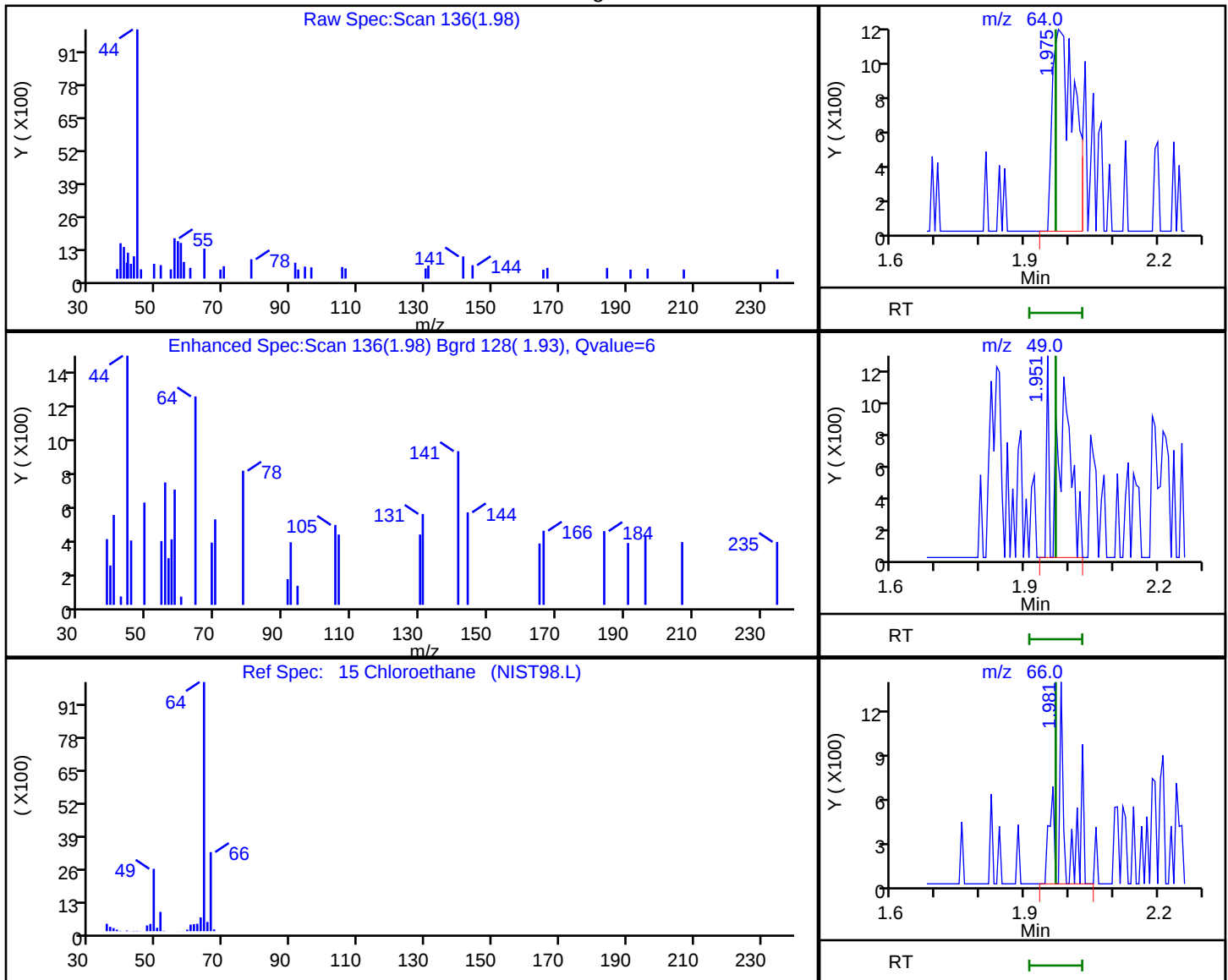
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

15 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.98	64.00	4050	0.494855
1.95	49.00	2720	
1.98	66.00	1758	

Reviewer: moffata, 21-Jun-2018 11:56:58

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 20-Jun-2018 14:14:30 ALS Bottle#: 4 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0072482-006
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:25:40 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 20:27:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	196233	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	85	387033	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	370596	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	58	231529	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.236	5.242	-0.006	0	156518	25.0	25.5	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	92	938964	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	87	293518	25.0	25.4	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	36	7348	1.00	0.7775	M
12 Chloromethane	50	1.476	1.464	0.012	78	15313	1.00	1.02	M
13 Vinyl chloride	62	1.555	1.549	0.006	27	12290	1.00	0.9206	
151 Butadiene	54	1.574	1.574	0.000	65	14101	1.00	1.01	M
14 Bromomethane	94	1.896	1.872	0.024	21	7740	1.00	1.08	
15 Chloroethane	64	1.987	1.969	0.018	44	7969	1.00	0.9863	
16 Dichlorofluoromethane	67	2.194	2.194	0.000	35	18841	1.00	1.06	M
17 Trichlorofluoromethane	101	2.194	2.194	0.000	23	9809	1.00	0.7755	M
18 Ethyl ether	59	2.498	2.492	0.006	68	10116	1.00	0.8990	M
20 Acrolein	56	2.687	2.687	0.000	62	10896	5.00	5.06	
21 1,1,2-Trichloro-1,2,2-trif	101	2.717	2.705	0.012	1	4012	1.00	0.8855	M
22 1,1-Dichloroethene	96	2.723	2.730	-0.007	48	5891	1.00	0.6796	M
23 Acetone	43	2.857	2.851	0.006	94	21919	5.00	5.81	M
25 Iodomethane	142	2.894	2.894	0.000	76	9518	1.00	0.7508	
26 Carbon disulfide	76	2.918	2.918	0.000	61	21977	1.00	0.7953	
28 3-Chloro-1-propene	41	3.095	3.089	0.007	78	13283	1.00	0.7904	M
27 Methyl acetate	43	3.155	3.143	0.012	96	18391	2.00	1.86	
30 Methylene Chloride	84	3.277	3.253	0.024	73	27400	1.00	0.7662	M
31 2-Methyl-2-propanol	59	3.435	3.423	0.012	67	10697	10.0	8.36	M
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	87	29403	1.00	0.9052	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	71	8953	1.00	0.9025	
33 Acrylonitrile	53	3.539	3.539	0.000	98	54039	10.0	10.3	M
35 Hexane	57	3.660	3.660	0.000	77	16451	1.00	0.8994	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.898	3.892	0.006	59	18747	1.00	0.8971	
37 Vinyl acetate	43	3.952	3.952	0.000	95	48840	2.00	2.03	
44 2,2-Dichloropropane	77	4.421	4.415	0.006	58	10146	1.00	0.8761	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	38	9571	1.00	0.8396	M
43 2-Butanone (MEK)	43	4.506	4.494	0.012	90	28054	5.00	4.84	M
48 Chlorobromomethane	128	4.701	4.695	0.006	61	4881	1.00	0.8962	
49 Tetrahydrofuran	42	4.713	4.713	0.000	83	9288	2.00	2.33	
50 Chloroform	83	4.774	4.774	0.000	55	18254	1.00	1.00	
51 1,1,1-Trichloroethane	97	4.877	4.877	0.000	59	11720	1.00	0.8626	
52 Cyclohexane	56	4.889	4.883	0.006	66	14257	1.00	0.7800	
55 Carbon tetrachloride	117	5.011	5.011	0.000	69	9145	1.00	0.8032	M
54 1,1-Dichloropropene	75	5.035	5.029	0.006	71	11150	1.00	0.8051	
57 Benzene	78	5.236	5.236	0.000	41	36984	1.00	0.8884	
53 Isobutyl alcohol	43	5.266	5.266	0.000	49	12199	25.0	22.7	
58 1,2-Dichloroethane	62	5.315	5.315	0.000	71	16247	1.00	0.9660	M
59 n-Heptane	43	5.406	5.412	-0.006	79	15455	1.00	0.9085	
62 Trichloroethene	95	5.850	5.850	0.000	66	9061	1.00	0.8437	
64 Methylcyclohexane	83	5.954	5.960	-0.006	65	12551	1.00	0.7674	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	64	12180	1.00	0.9699	
67 Dibromomethane	93	6.240	6.234	0.006	78	5931	1.00	0.9046	
66 1,4-Dioxane	88	6.258	6.246	0.012	1	597	20.0	20.1	M
68 Dichlorobromomethane	83	6.398	6.386	0.012	28	10219	1.00	0.8092	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	66	8583	1.00	1.02	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	59	13358	1.00	0.8413	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	89	59826	5.00	4.84	
74 Toluene	92	7.091	7.085	0.006	73	24418	1.00	0.9491	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	67	12197	1.00	0.8606	
75 Ethyl methacrylate	69	7.414	7.414	0.000	72	12849	1.00	0.9248	
79 1,1,2-Trichloroethane	83	7.572	7.566	0.006	54	7331	1.00	0.9458	
81 Tetrachloroethene	166	7.621	7.615	0.006	82	9718	1.00	0.8945	
82 1,3-Dichloropropane	76	7.736	7.730	0.006	59	15786	1.00	0.9657	
80 2-Hexanone	43	7.791	7.791	0.000	92	44500	5.00	4.89	
83 Chlorodibromomethane	129	7.961	7.961	0.000	36	7156	1.00	0.8118	M
84 Ethylene Dibromide	107	8.071	8.071	0.000	53	10524	1.00	1.08	
87 Chlorobenzene	112	8.539	8.539	0.000	83	24166	1.00	0.8571	
88 Ethylbenzene	91	8.631	8.631	0.000	93	41123	1.00	0.8869	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	37	8227	1.00	0.9023	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	17890	1.00	0.9484	
91 o-Xylene	106	9.178	9.178	0.000	80	15140	1.00	0.8457	
92 Styrene	104	9.209	9.209	0.000	51	25278	1.00	0.8227	
95 Bromoform	173	9.470	9.464	0.006	55	4863	1.00	0.8636	
94 Isopropylbenzene	105	9.561	9.561	0.000	77	39437	1.00	0.8441	
101 Bromobenzene	156	9.908	9.908	0.000	70	10335	1.00	0.8743	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	62	11498	1.00	0.9057	
99 N-Propylbenzene	91	9.981	9.987	-0.006	91	45097	1.00	0.8326	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	25	3120	1.00	0.7465	M
98 trans-1,4-Dichloro-2-buten	53	10.018	10.012	0.006	1	2682	1.00	1.16	M
103 2-Chlorotoluene	126	10.091	10.091	0.000	89	9082	1.00	0.7790	M
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	71	35625	1.00	0.8789	
105 4-Chlorotoluene	126	10.200	10.200	0.000	48	9952	1.00	0.8330	
106 tert-Butylbenzene	134	10.474	10.474	0.000	74	7151	1.00	0.8276	
107 1,2,4-Trimethylbenzene	105	10.535	10.529	0.006	9	33566	1.00	0.8108	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	76	40072	1.00	0.8245	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	82	31836	1.00	0.7610	
111 1,3-Dichlorobenzene	146	10.821	10.827	-0.006	64	20317	1.00	0.8846	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	58	23153	1.00	0.9886	
115 n-Butylbenzene	91	11.210	11.210	0.000	87	30240	1.00	0.8017	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	85	20878	1.00	0.9234	
117 1,2-Dibromo-3-Chloropropan	75	11.989	11.995	-0.006	1	1954	1.00	0.7932	M
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	64	13505	1.00	0.8399	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	45	5693	1.00	0.7405	
121 Naphthalene	128	12.883	12.877	0.006	79	38651	1.00	0.8794	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	62	12729	1.00	0.8584	
S 124 Xylenes, Total	1				0			1.79	
S 126 1,3-Dichloropropene, Total	1				0			1.70	
S 123 Total BTEX	1				0			4.52	
S 125 1,2-Dichloroethene, Total	1				0			1.74	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 1.00

Units: uL

GAS CORP mix_00287

Amount Added: 1.00

Units: uL

S_8260_IS_00293

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00274

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: IC

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

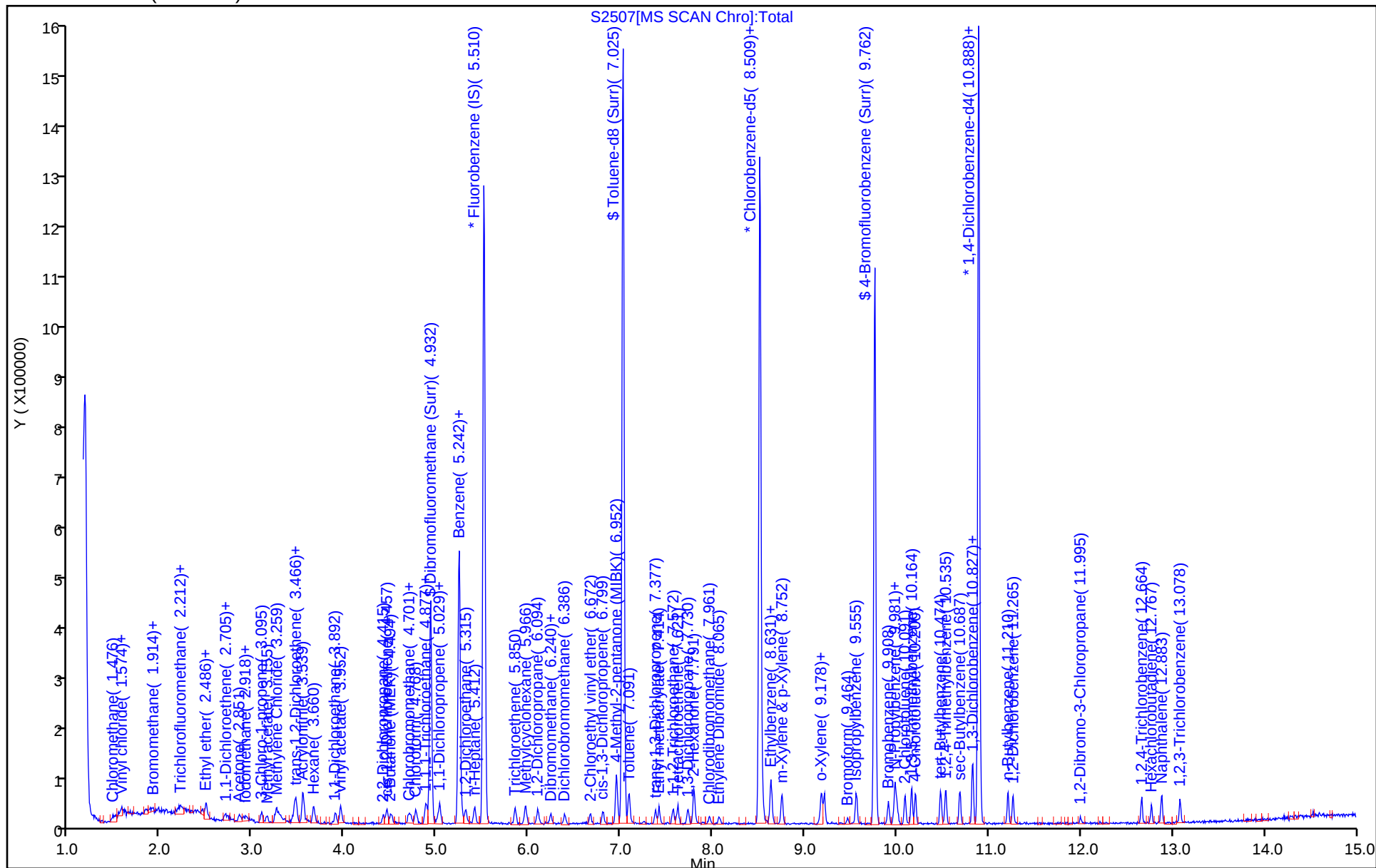
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

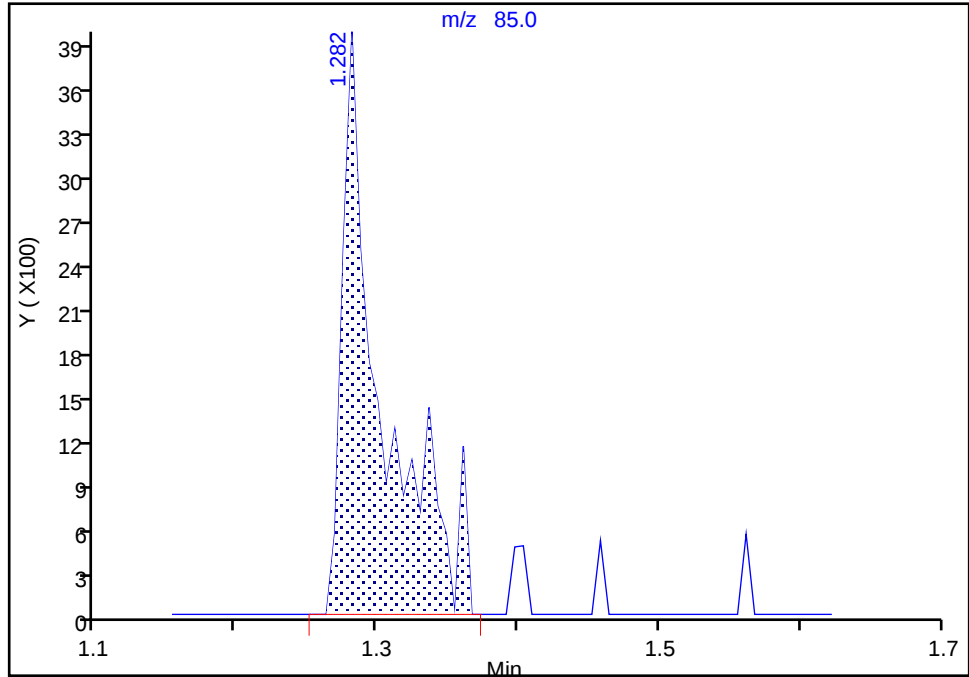
Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

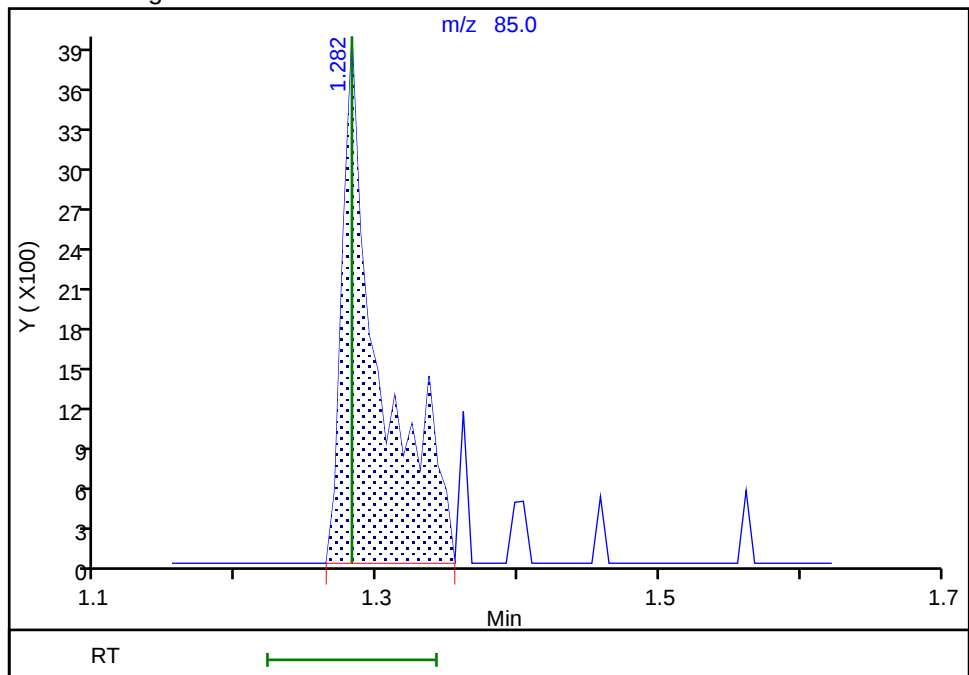
RT: 1.28
Area: 7767
Amount: 0.815608
Amount Units: ug/L

Processing Integration Results



RT: 1.28
Area: 7348
Amount: 0.777451
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:05:16

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

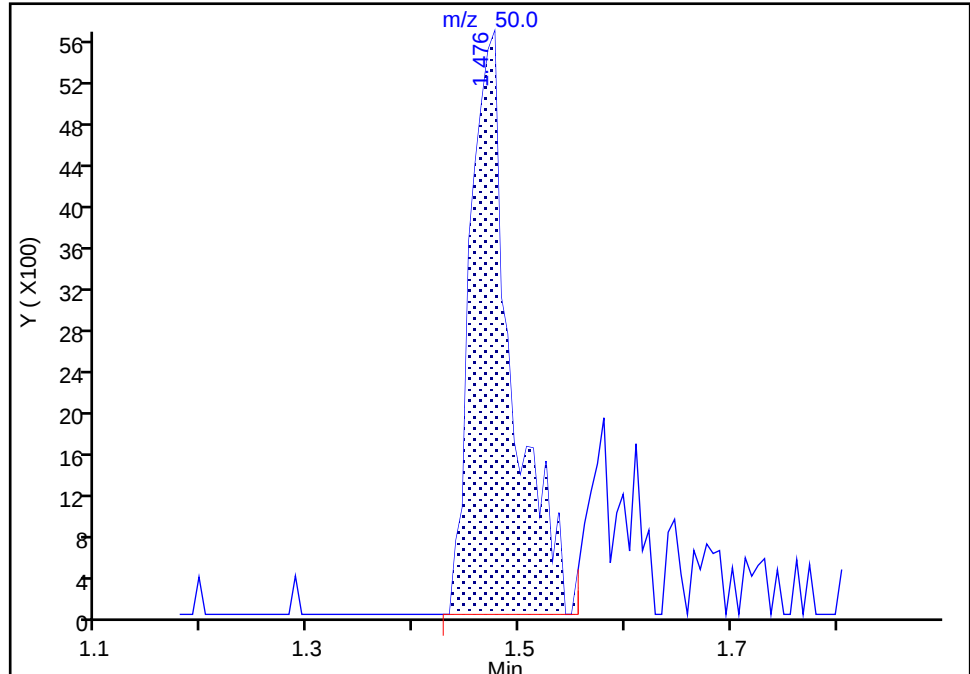
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D
Injection Date: 20-Jun-2018 14:14:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH/ZV ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

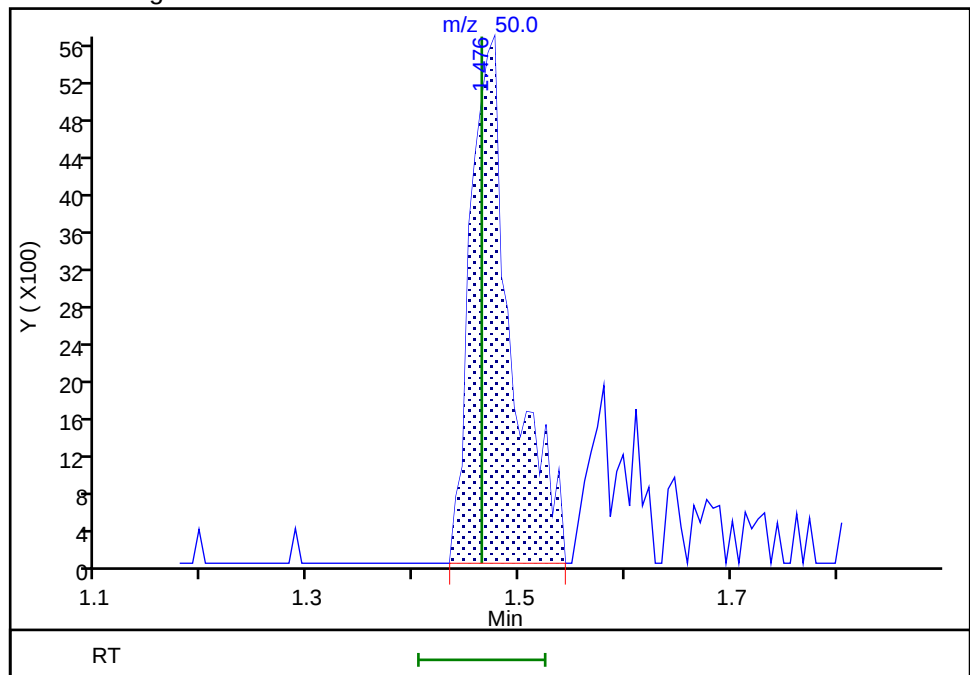
RT: 1.48
Area: 15473
Amount: 1.029331
Amount Units: ug/L

Processing Integration Results



RT: 1.48
Area: 15313
Amount: 1.020044
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:05:22
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

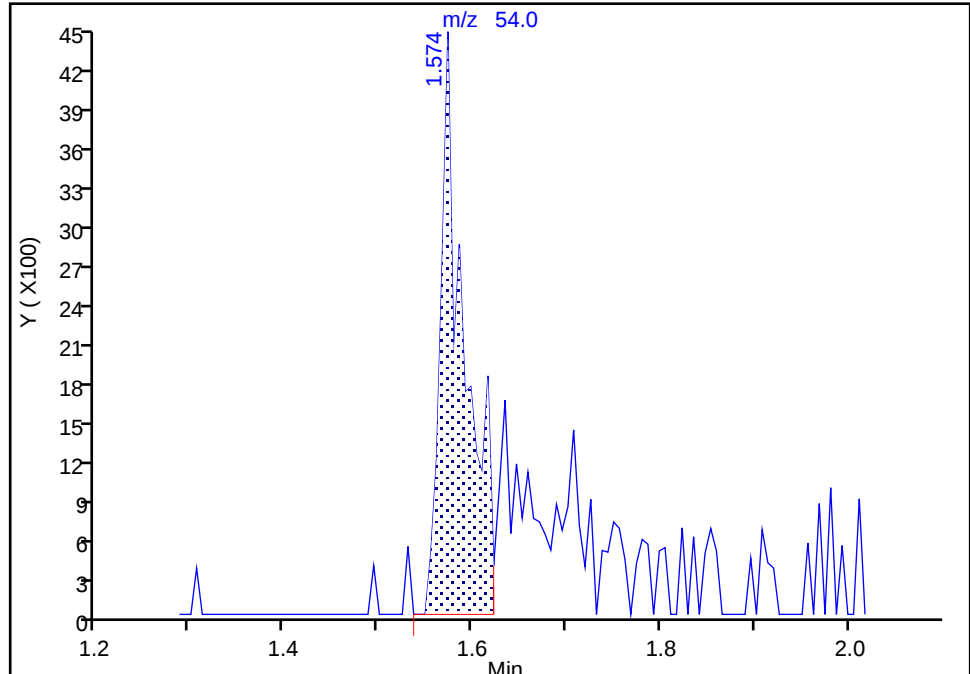
Detector: MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

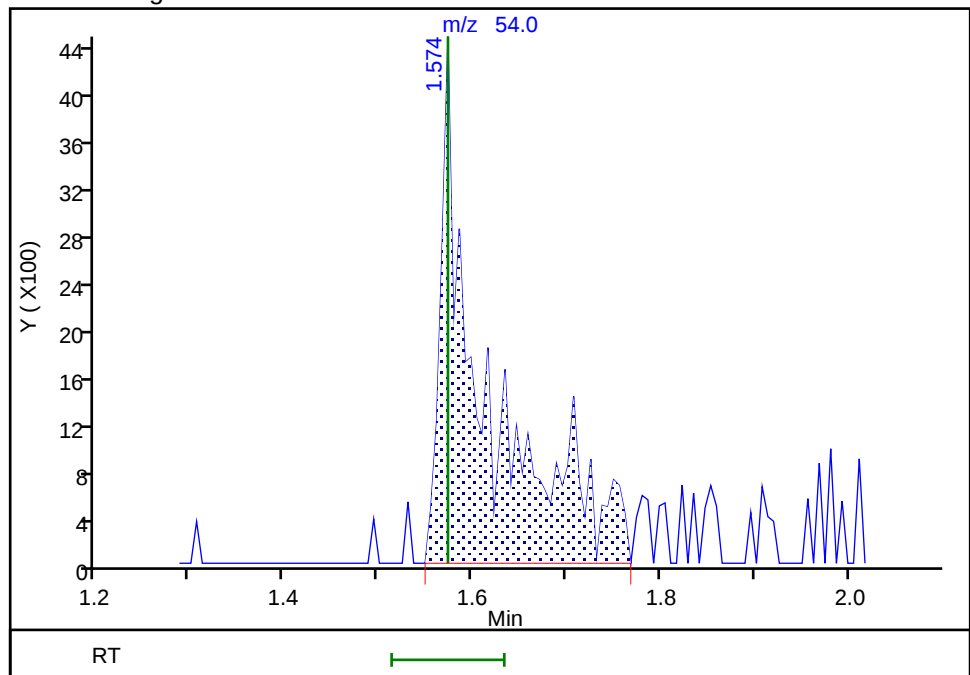
RT: 1.57
Area: 7860
Amount: 0.579263
Amount Units: ug/L

Processing Integration Results



RT: 1.57
Area: 14101
Amount: 1.012805
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:55:28

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

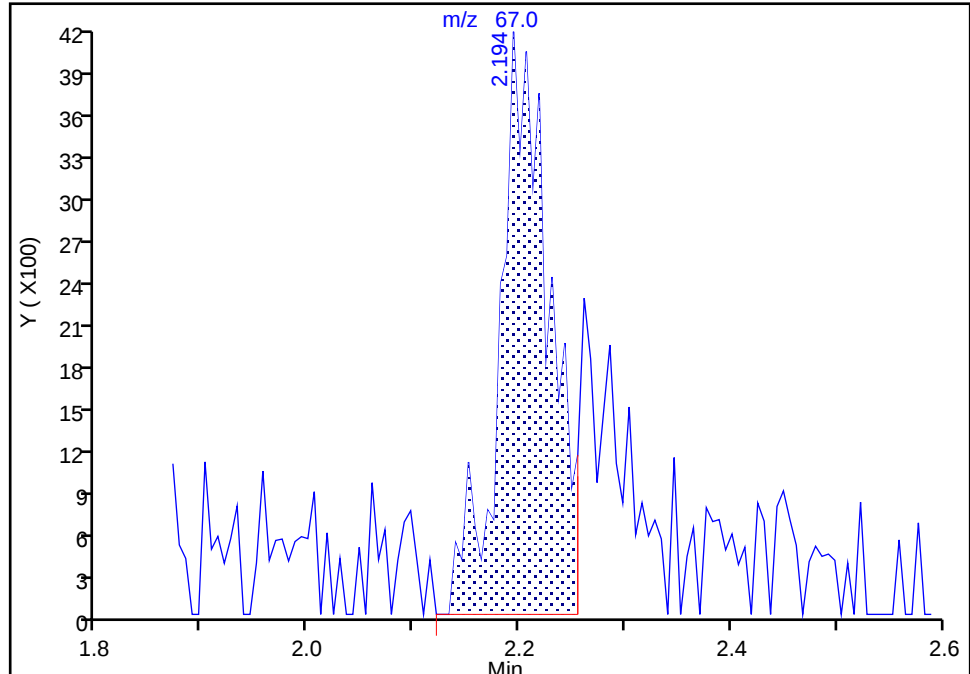
MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

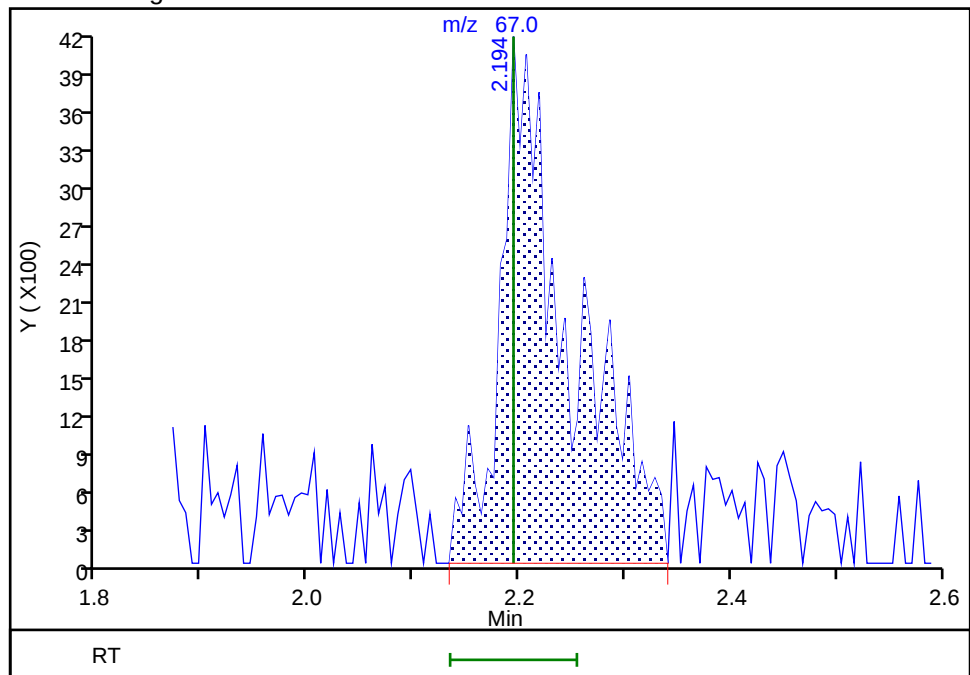
RT: 2.19
Area: 13440
Amount: 0.850503
Amount Units: ug/L

Processing Integration Results



RT: 2.19
Area: 18841
Amount: 1.064342
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:49:44

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

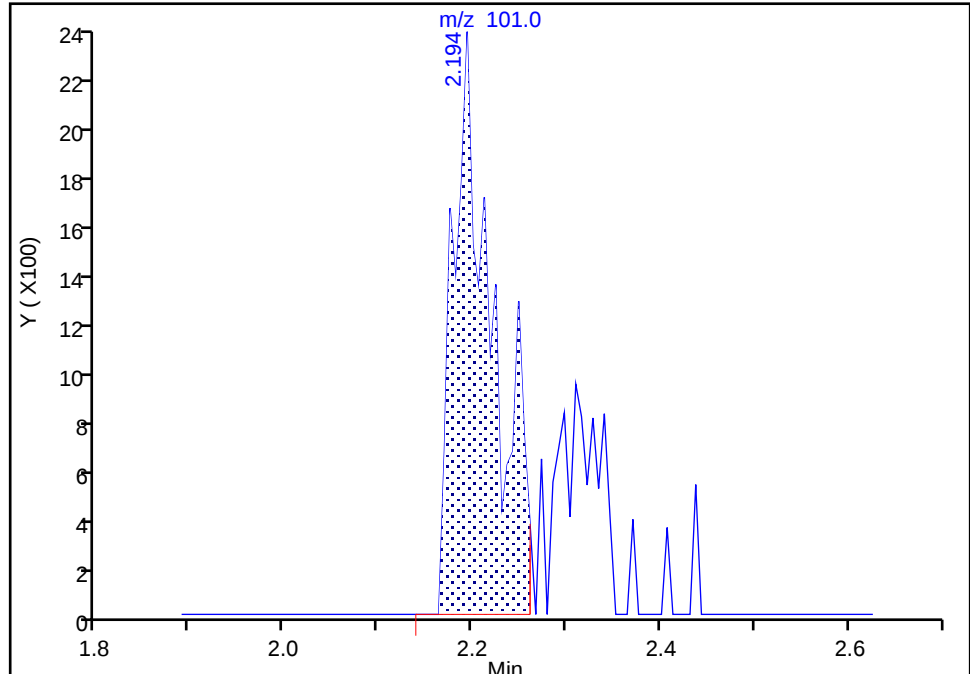
Detector: MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

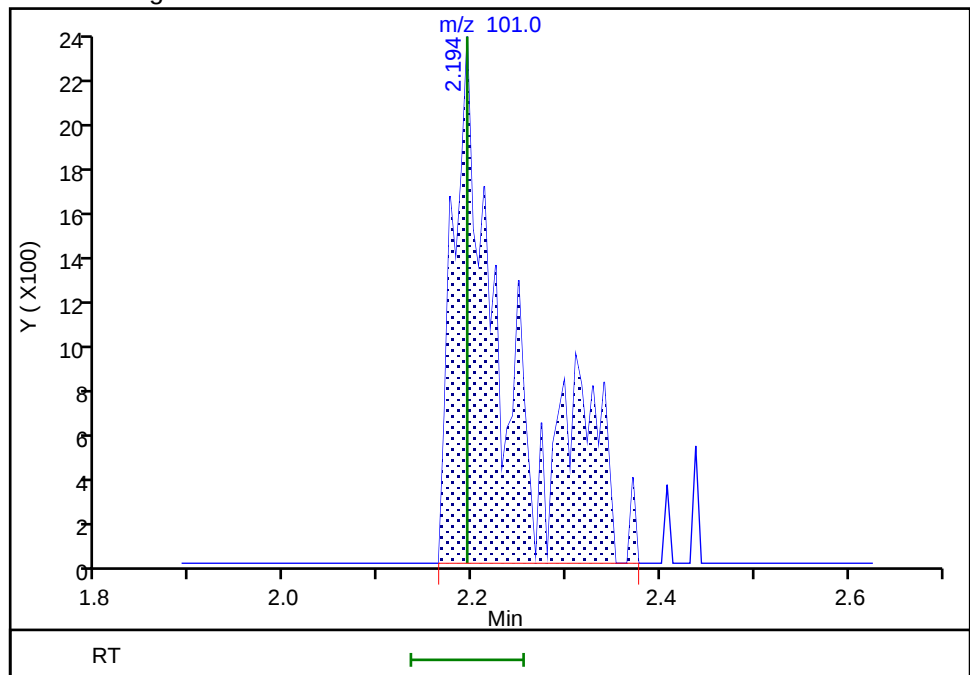
RT: 2.19
Area: 6814
Amount: 0.799434
Amount Units: ug/L

Processing Integration Results



RT: 2.19
Area: 9809
Amount: 0.775455
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:46:33

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

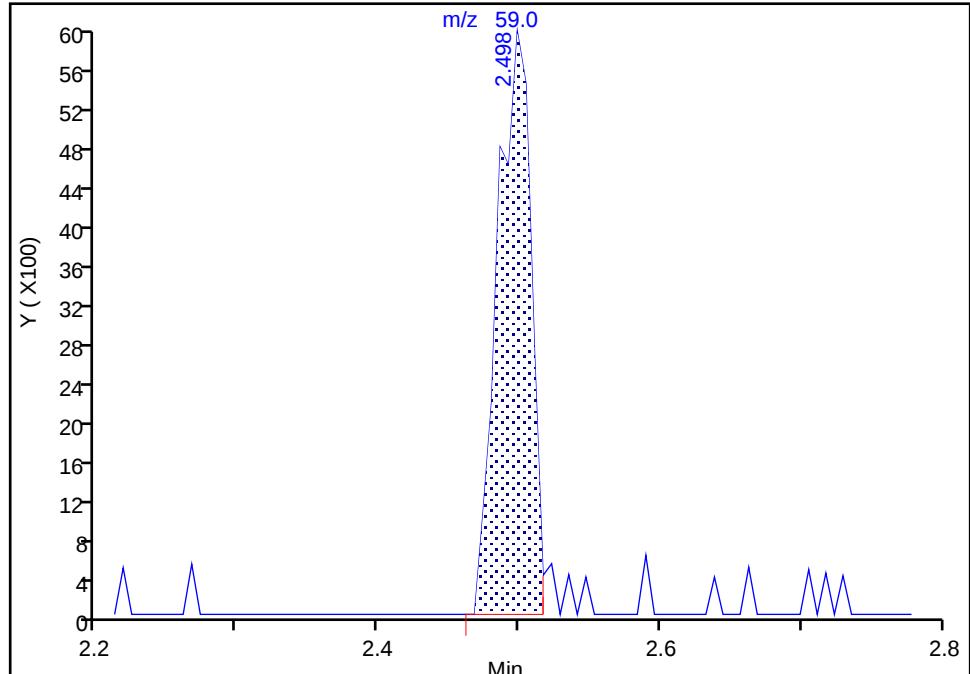
Detector: MS SCAN

18 Ethyl ether, CAS: 60-29-7

Signal: 1

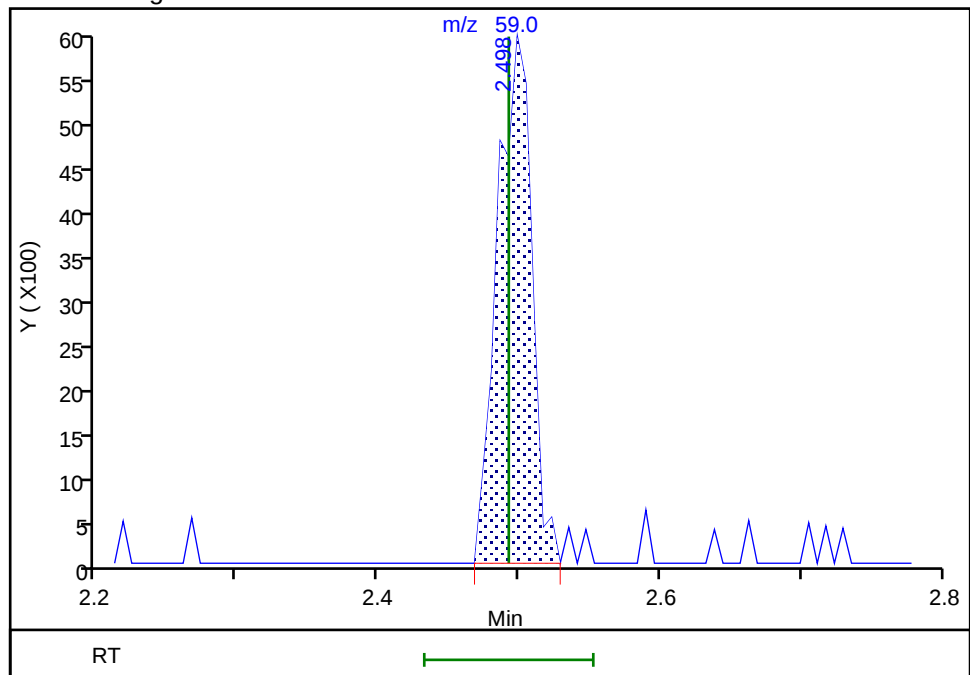
RT: 2.50
Area: 9925
Amount: 0.883933
Amount Units: ug/L

Processing Integration Results



RT: 2.50
Area: 10116
Amount: 0.899032
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:06:08

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

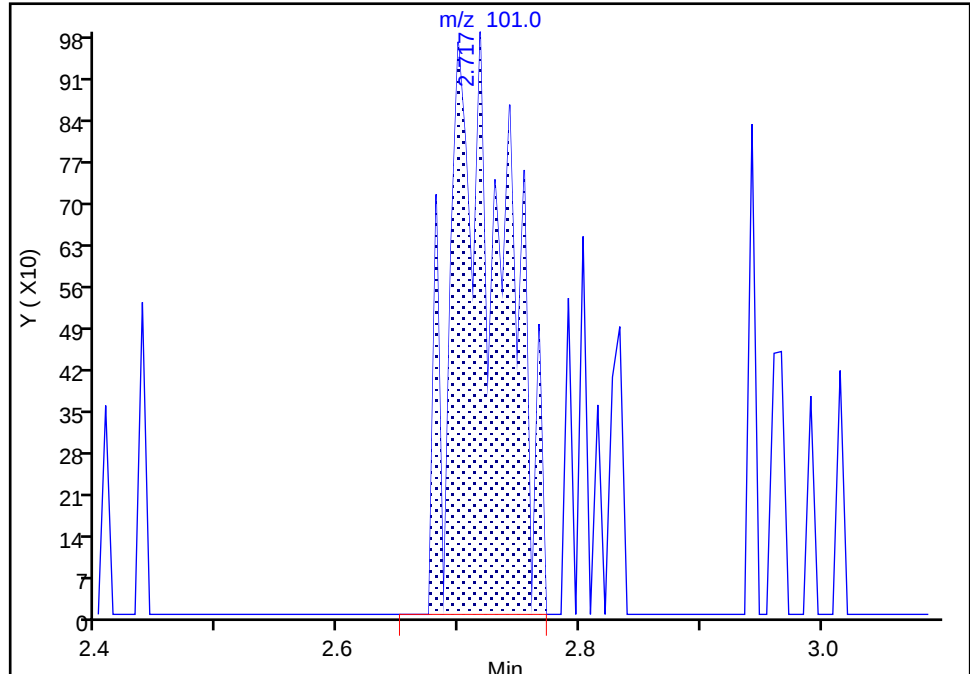
Detector: MS SCAN

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

Signal: 1

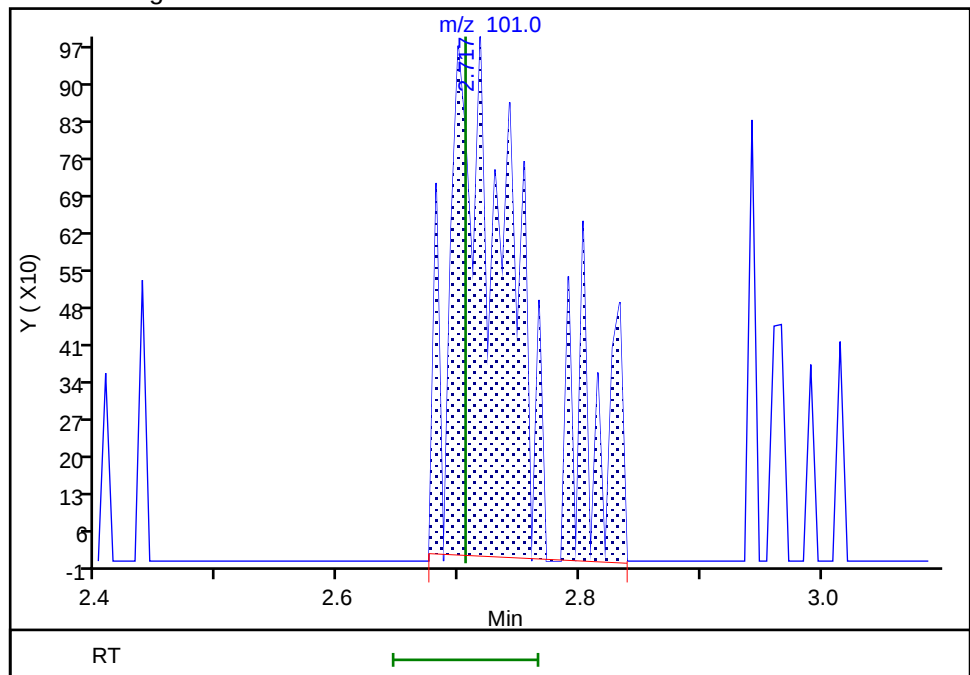
RT: 2.72
Area: 3185
Amount: 0.461181
Amount Units: ug/L

Processing Integration Results



RT: 2.72
Area: 4012
Amount: 0.885545
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 21-Jun-2018 14:05:54

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

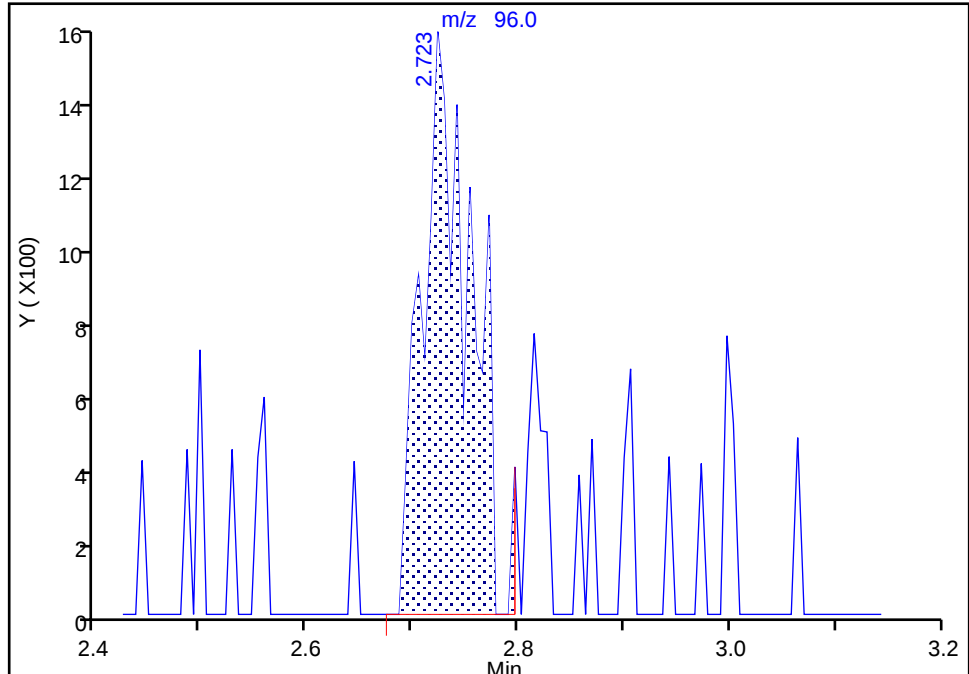
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D
Injection Date: 20-Jun-2018 14:14:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH/ZV ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

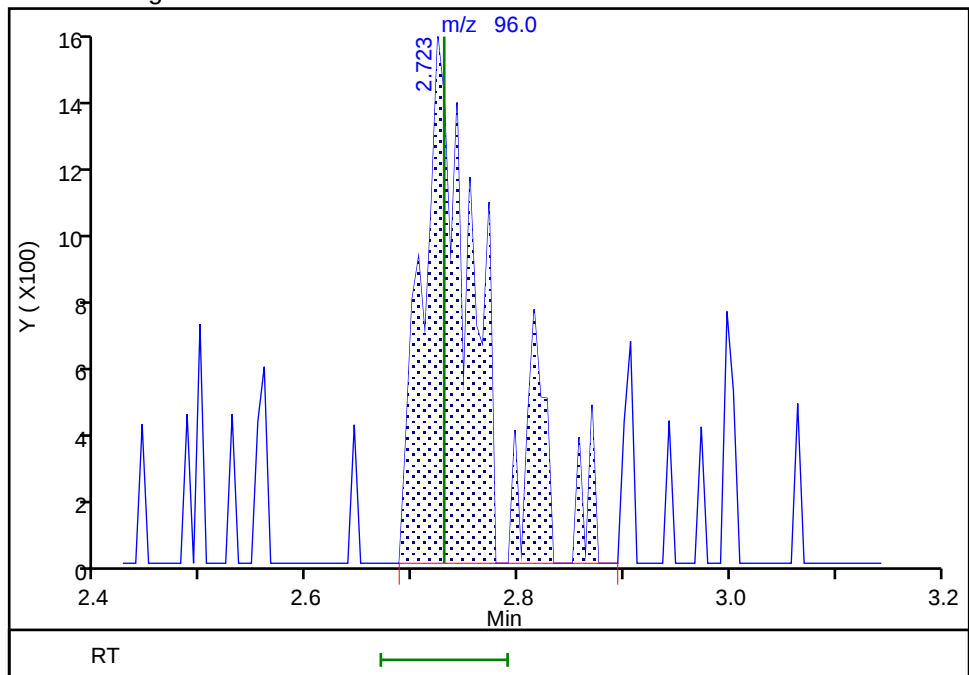
RT: 2.72
Area: 4813
Amount: 0.549905
Amount Units: ug/L

Processing Integration Results



RT: 2.72
Area: 5891
Amount: 0.679625
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:47:47
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

TestAmerica Buffalo

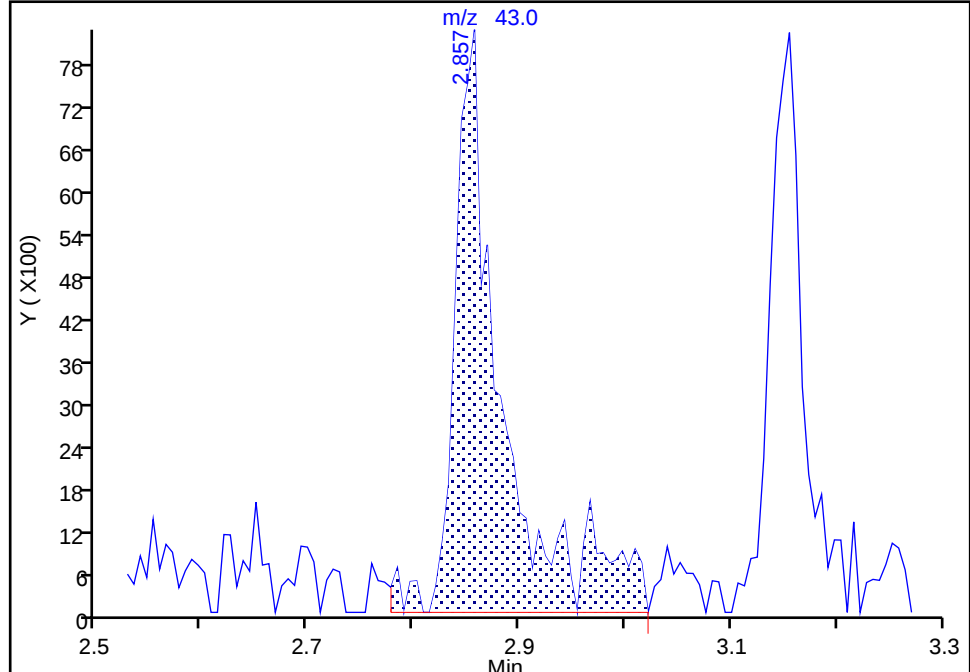
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D
Injection Date: 20-Jun-2018 14:14:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH/ZV ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

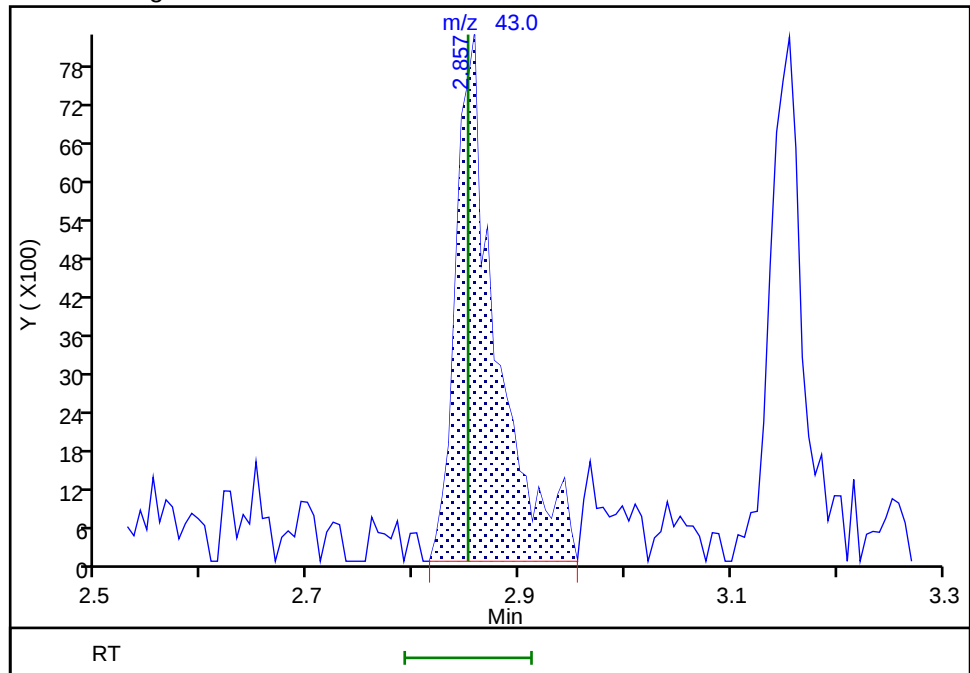
RT: 2.86
Area: 25800
Amount: 5.650467
Amount Units: ug/L

Processing Integration Results



RT: 2.86
Area: 21919
Amount: 5.805718
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:07:39
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 230 of 503

07/11/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

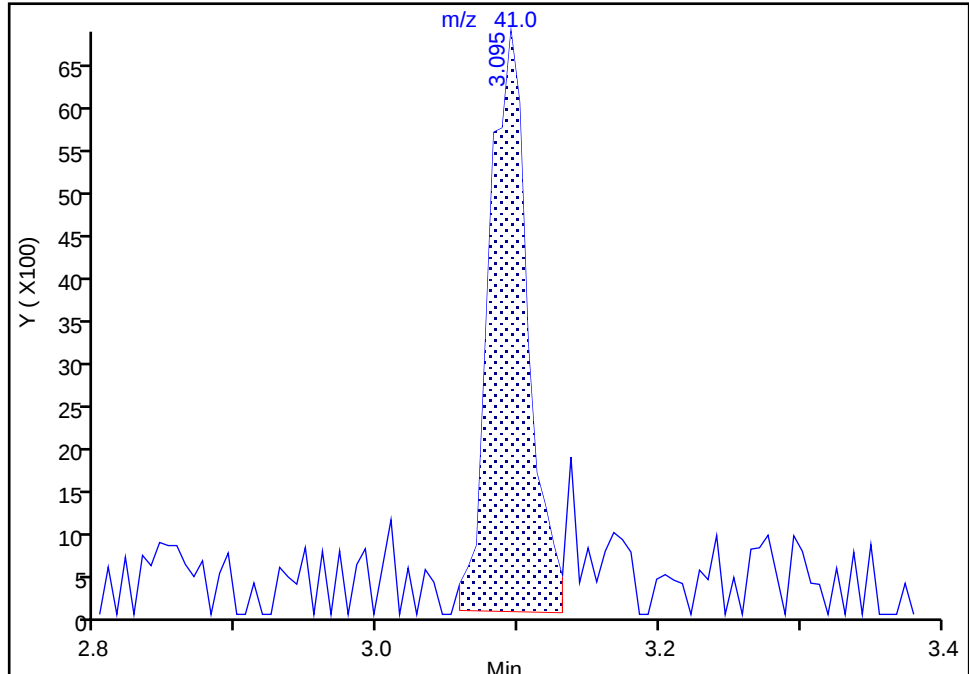
MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

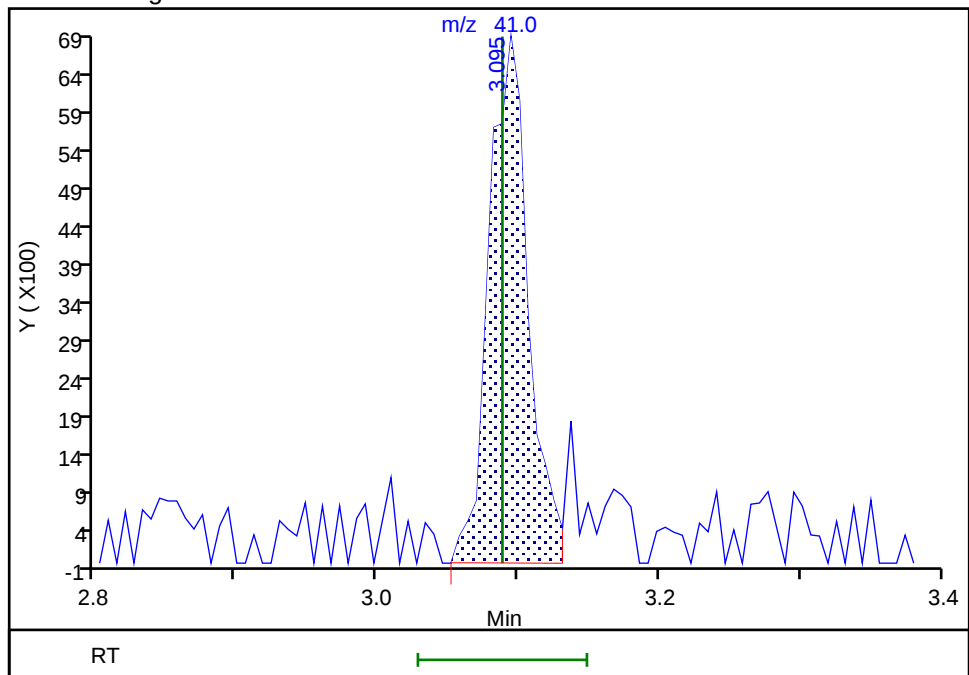
RT: 3.09
Area: 13141
Amount: 0.782798
Amount Units: ug/L

Processing Integration Results



RT: 3.09
Area: 13283
Amount: 0.790421
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:08:41

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

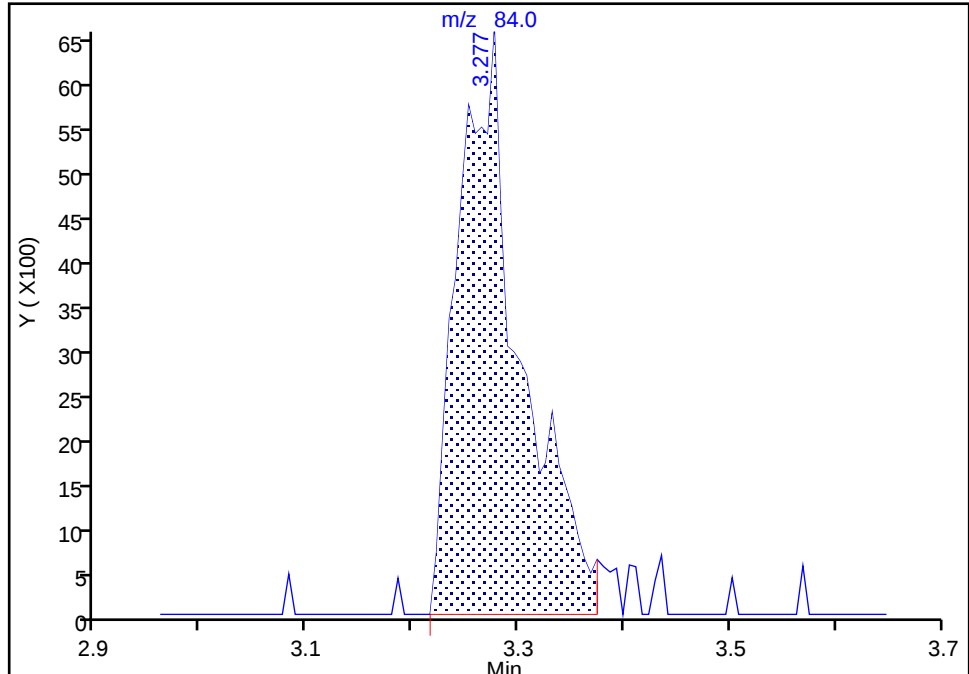
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D
Injection Date: 20-Jun-2018 14:14:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH/ZV ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

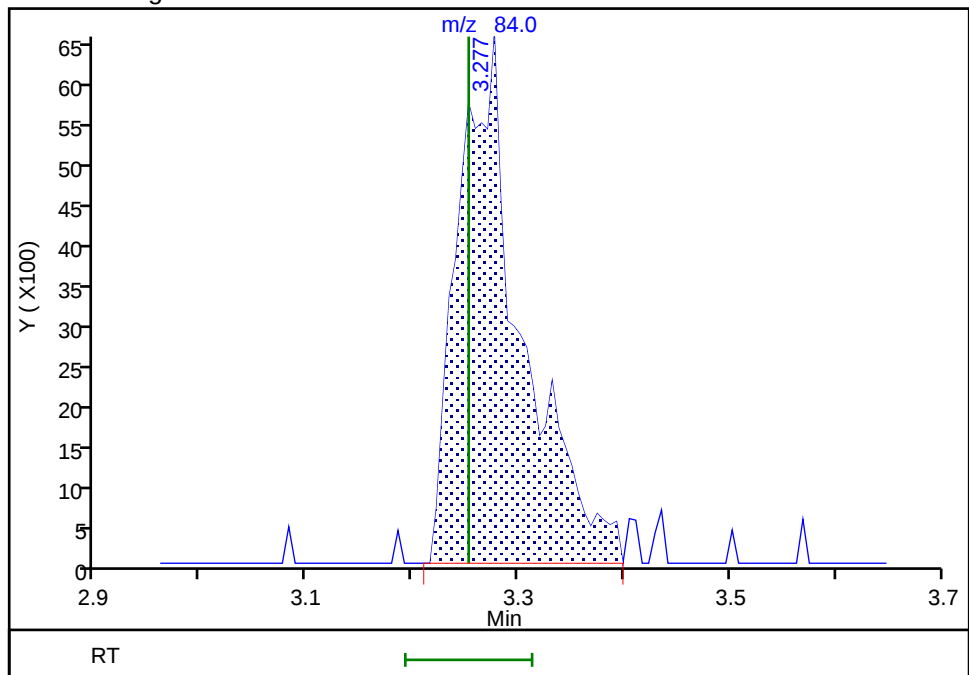
RT: 3.28
Area: 26844
Amount: 0.746640
Amount Units: ug/L

Processing Integration Results



RT: 3.28
Area: 27400
Amount: 0.766220
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:08:54
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

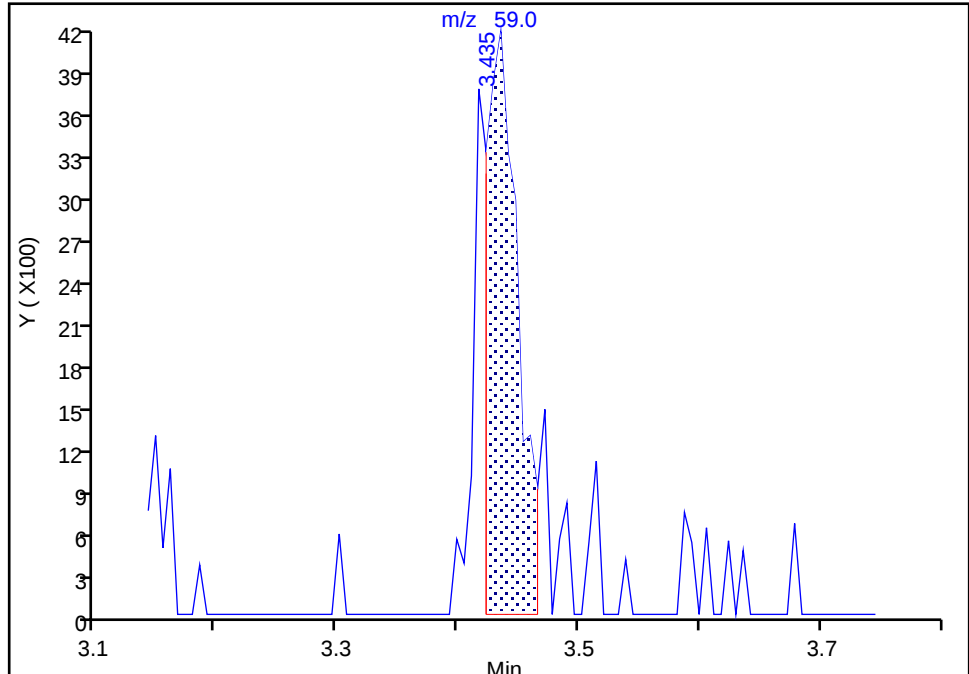
Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

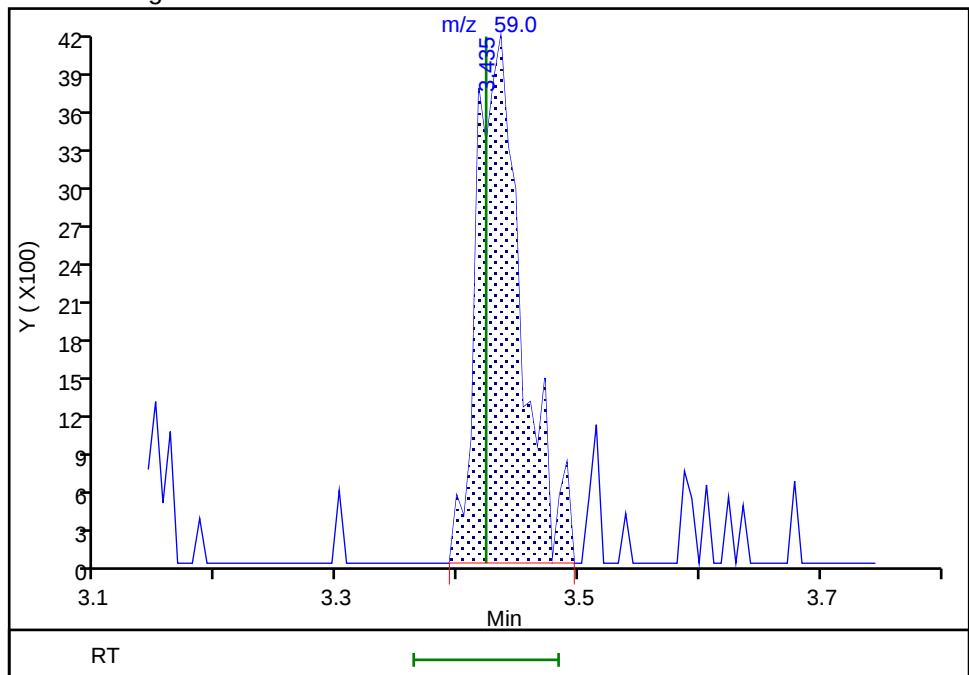
RT: 3.44
Area: 7629
Amount: 7.104469
Amount Units: ug/L

Processing Integration Results



RT: 3.44
Area: 10697
Amount: 8.362223
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:52:14

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

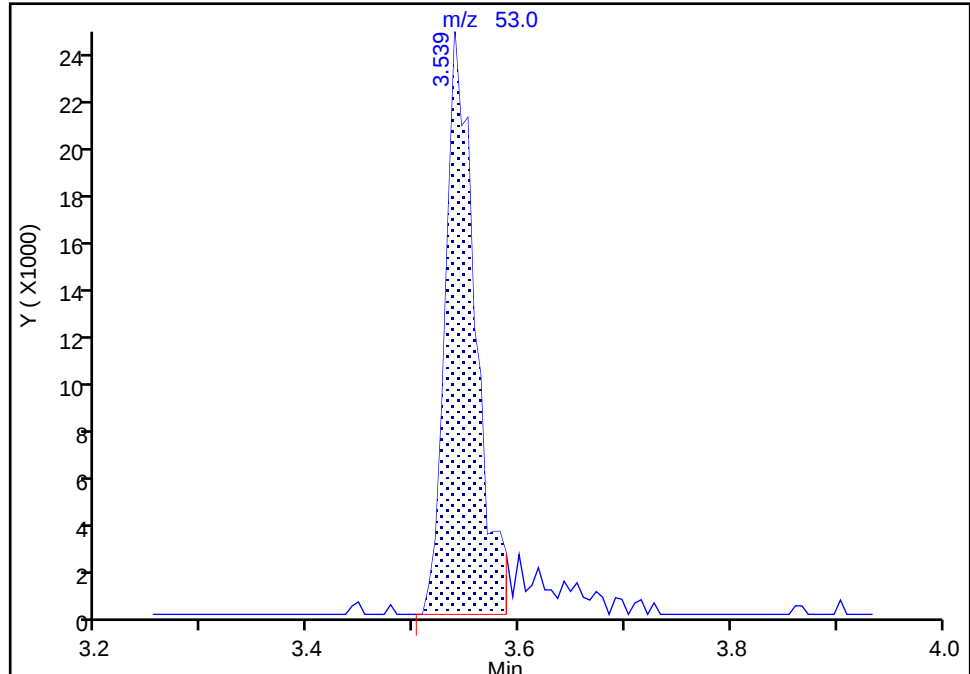
Detector: MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

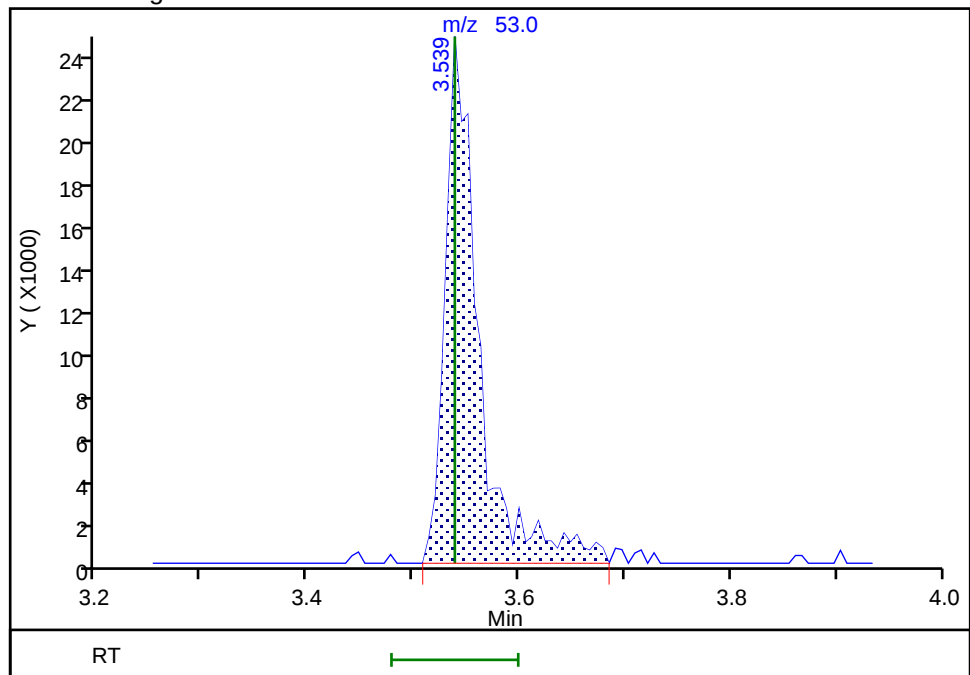
RT: 3.54
Area: 47894
Amount: 9.225375
Amount Units: ug/L

Processing Integration Results



RT: 3.54
Area: 54039
Amount: 10.257266
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:09:17

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

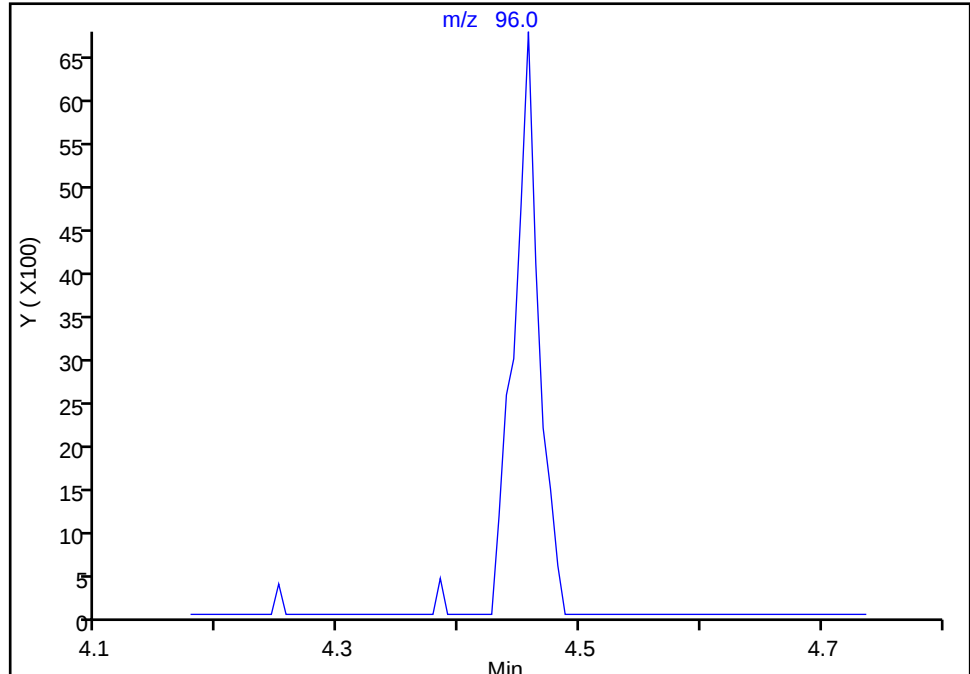
45 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

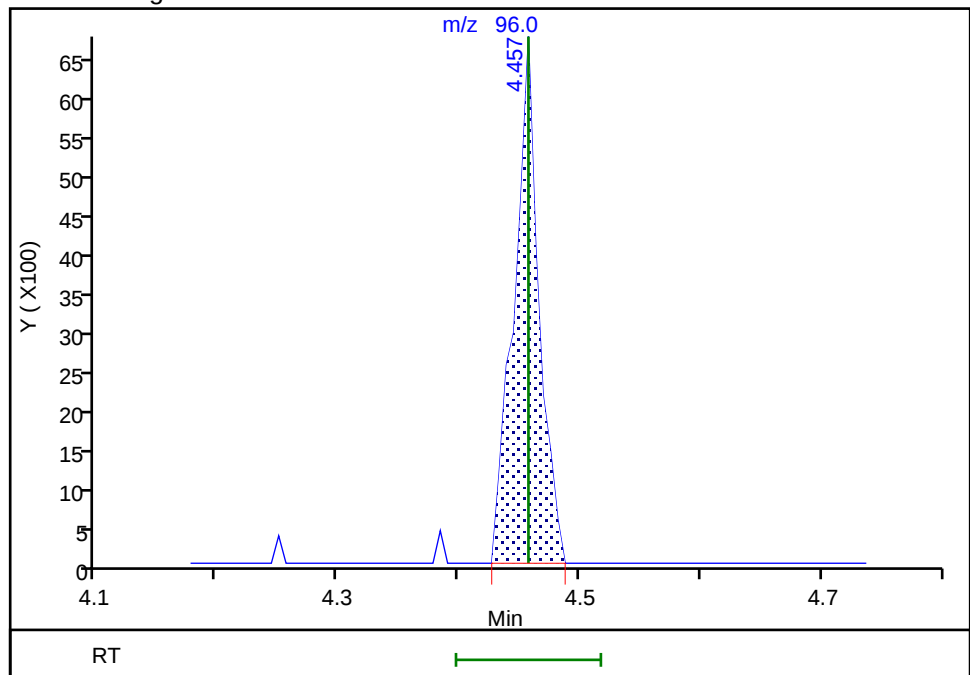
Not Detected

Expected RT: 4.46

Processing Integration Results



Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:09:29

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

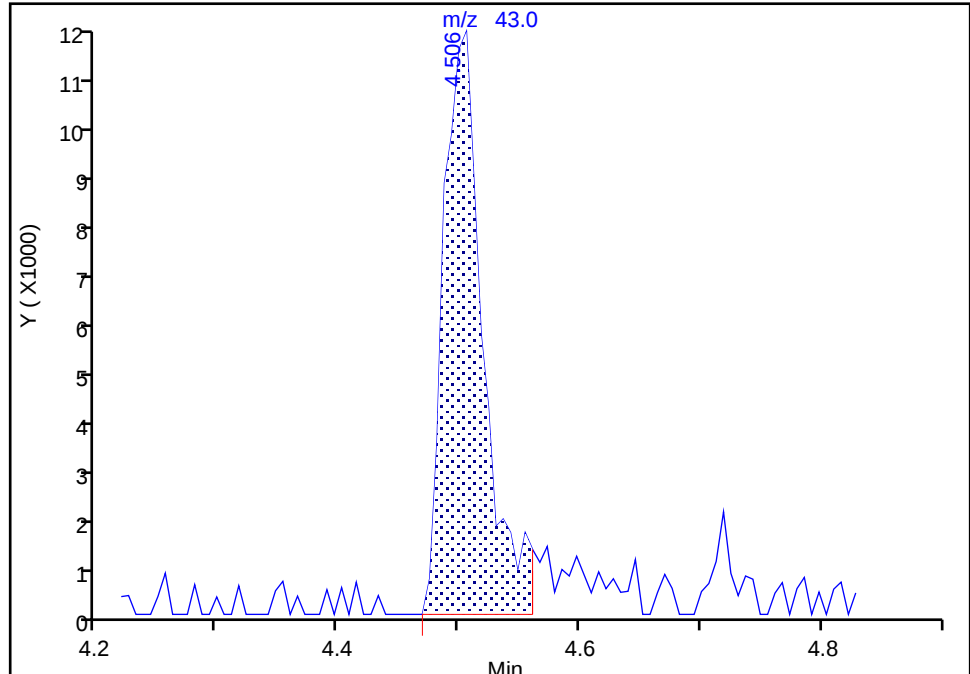
Detector: MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

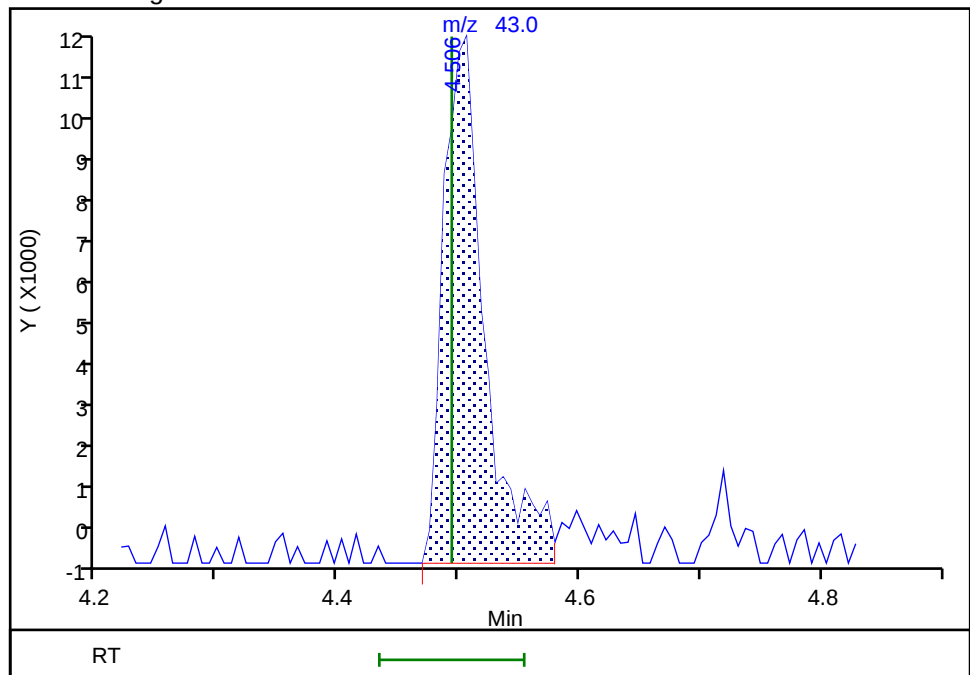
RT: 4.51
Area: 26981
Amount: 4.675650
Amount Units: ug/L

Processing Integration Results



RT: 4.51
Area: 28054
Amount: 4.839100
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:12:28

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

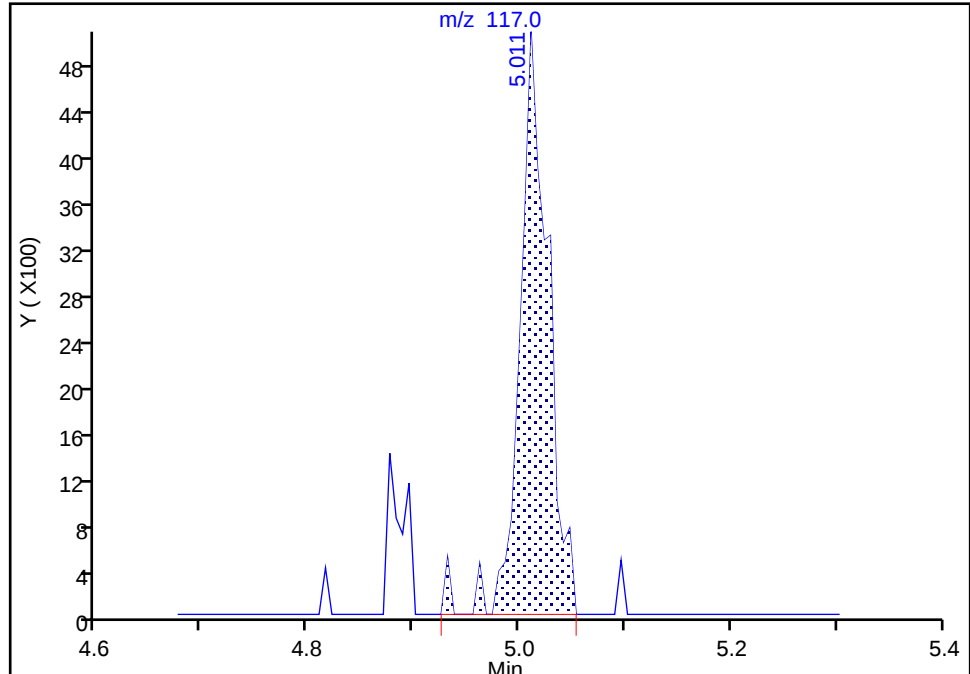
MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

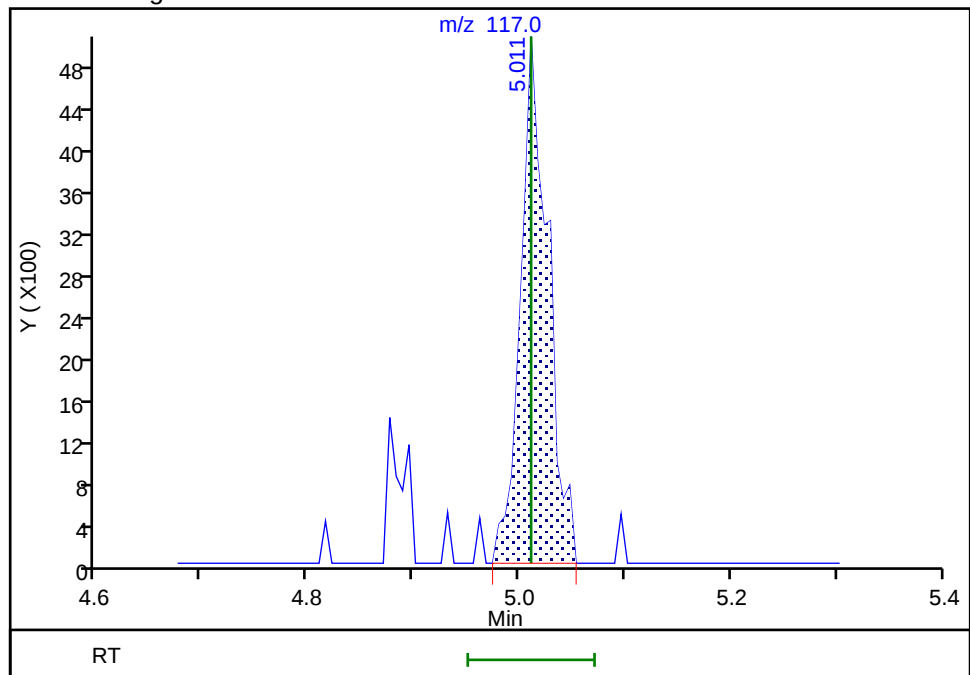
RT: 5.01
Area: 9483
Amount: 0.829824
Amount Units: ug/L

Processing Integration Results



RT: 5.01
Area: 9145
Amount: 0.803217
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:12:40

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

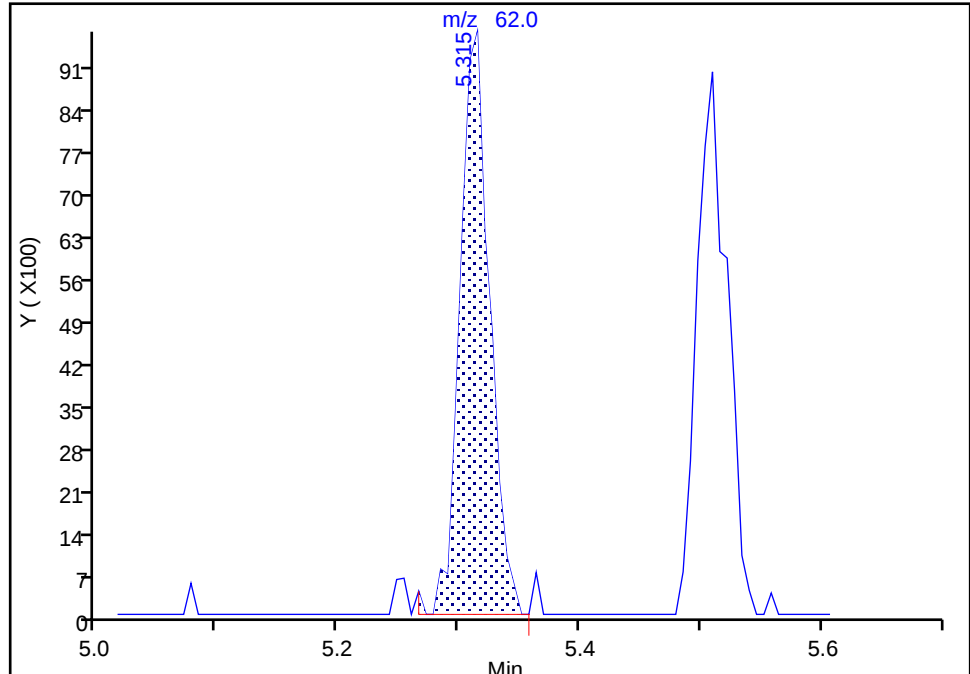
Detector: MS SCAN

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

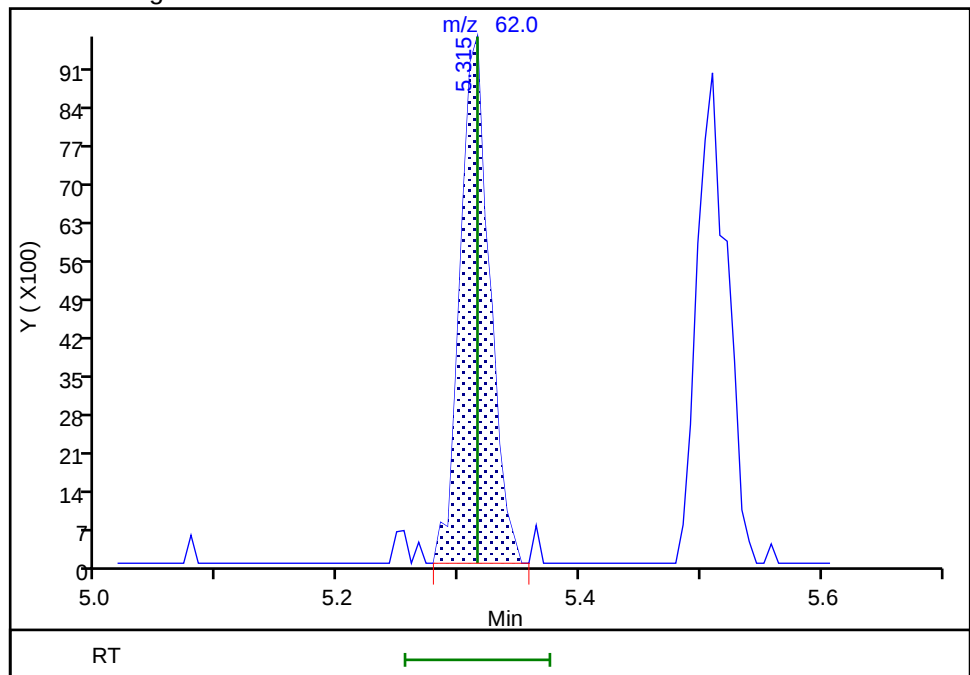
RT: 5.32
Area: 16387
Amount: 0.973266
Amount Units: ug/L

Processing Integration Results



RT: 5.32
Area: 16247
Amount: 0.965955
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:13:09

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

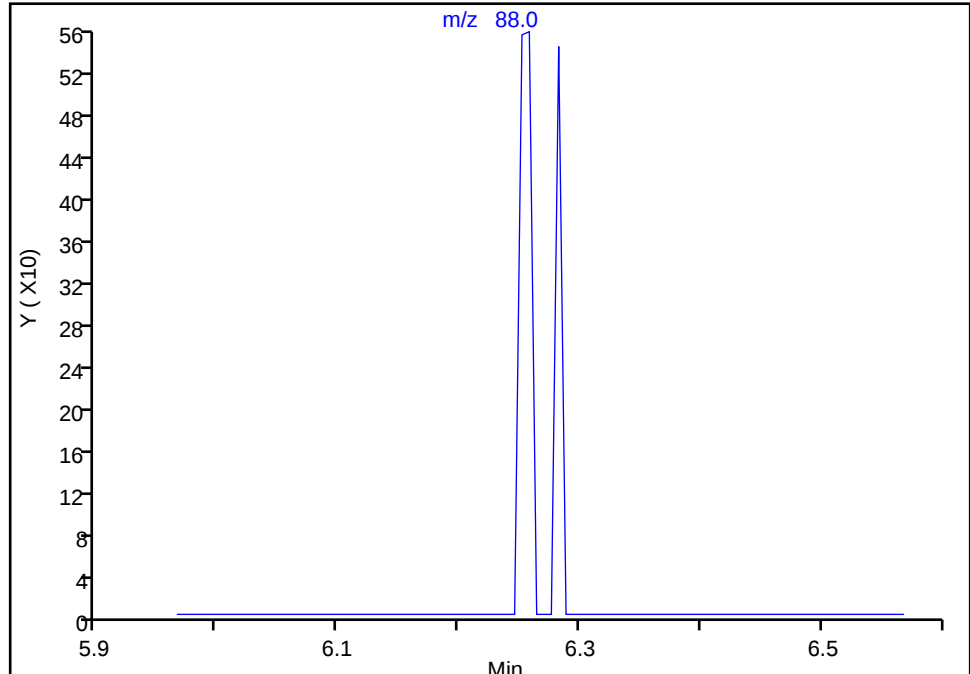
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

Not Detected

Expected RT: 6.25

Processing Integration Results



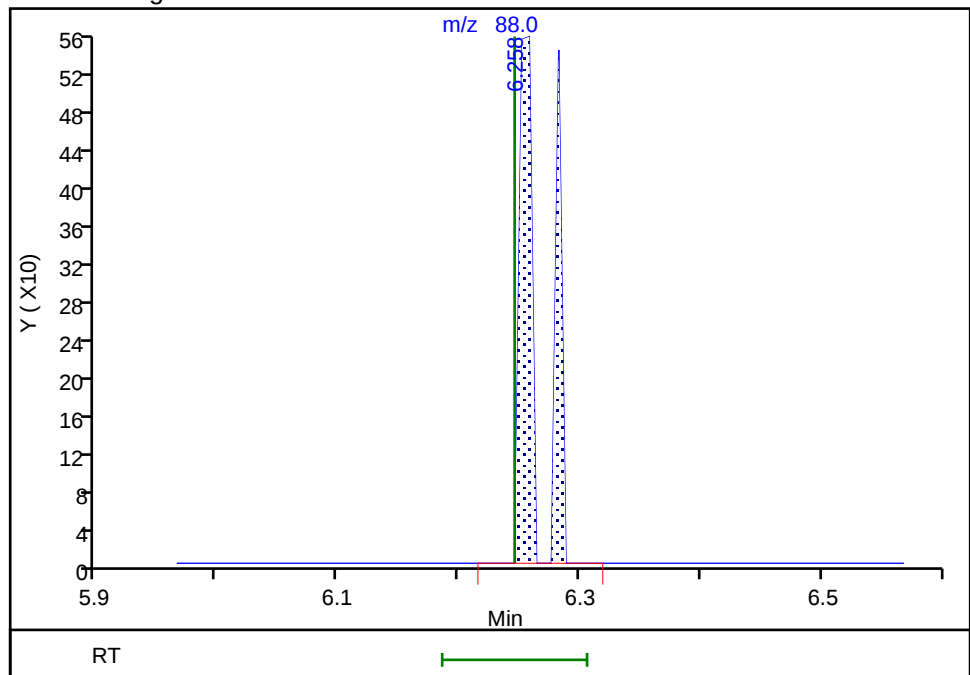
RT: 6.26

Area: 597

Amount: 20.073889

Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:13:31

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

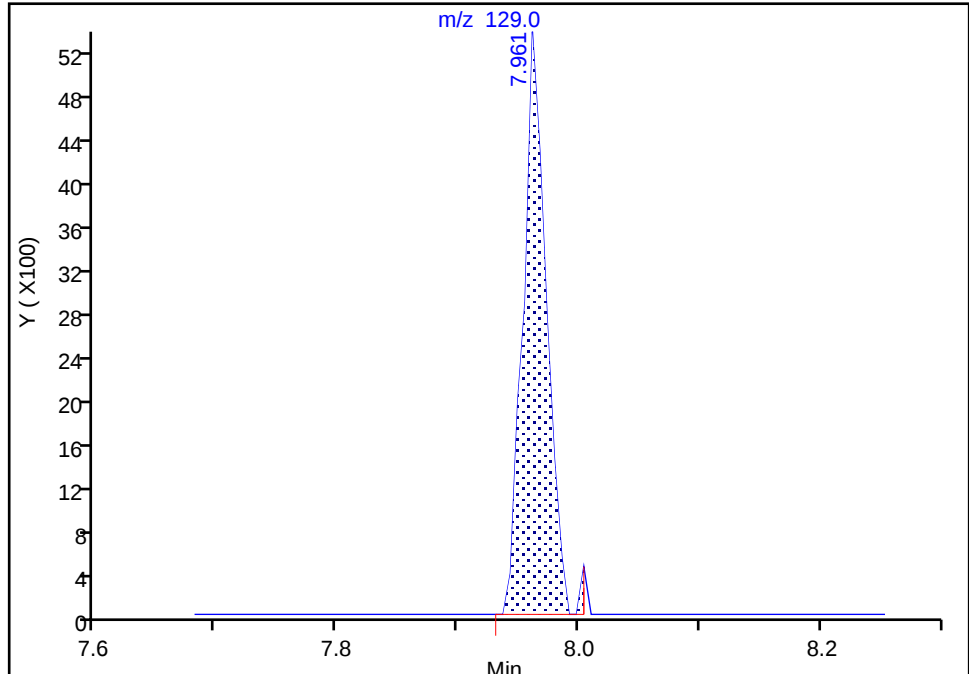
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D
Injection Date: 20-Jun-2018 14:14:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH/ZV ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

83 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

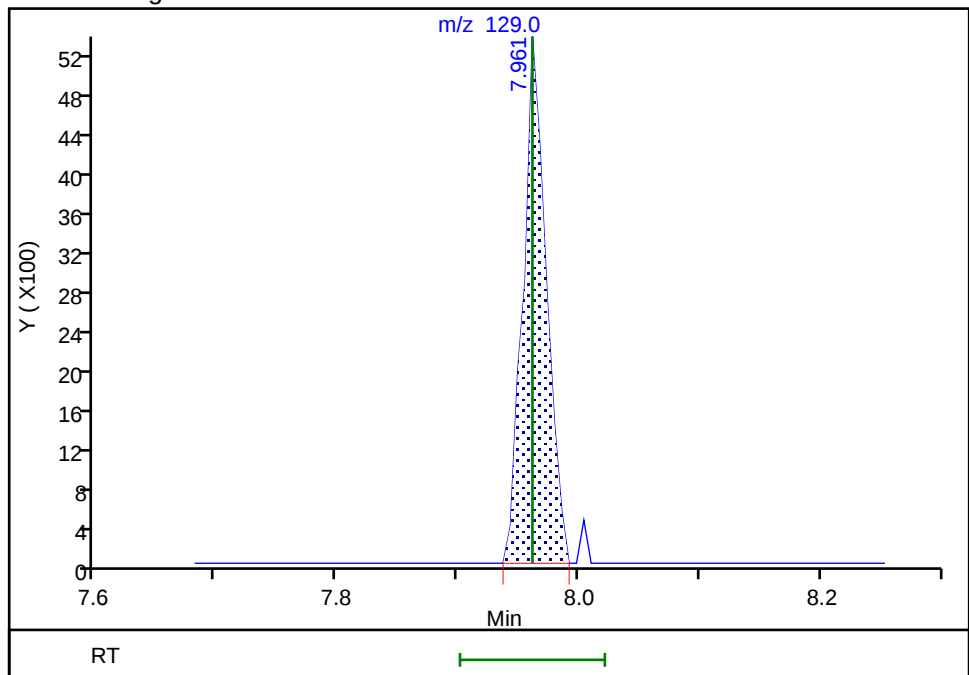
RT: 7.96
Area: 7317
Amount: 0.828185
Amount Units: ug/L

Processing Integration Results



RT: 7.96
Area: 7156
Amount: 0.811811
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:14:35
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

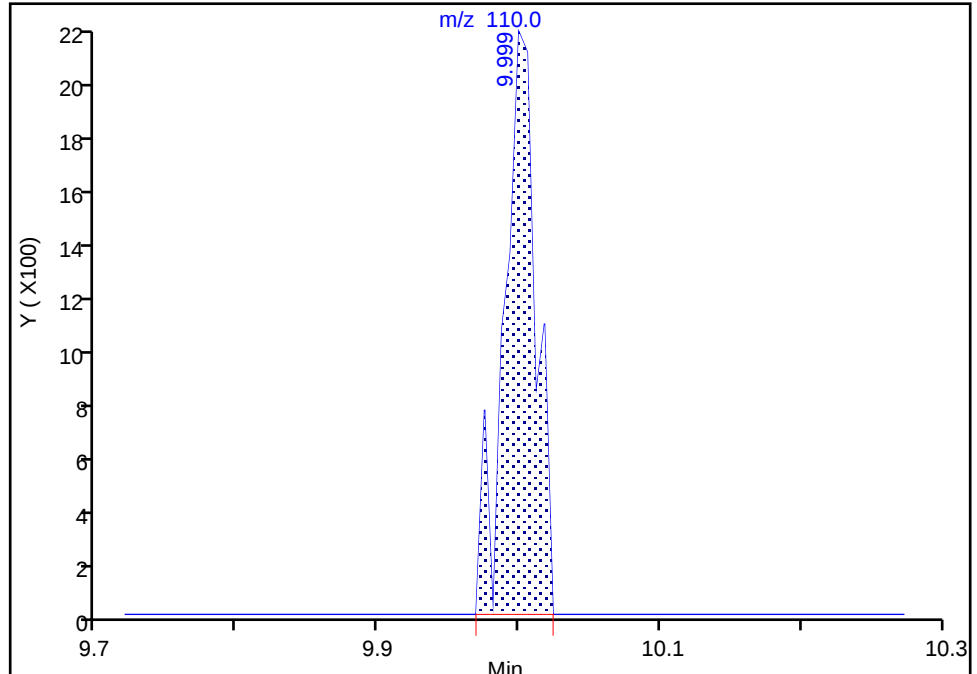
MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

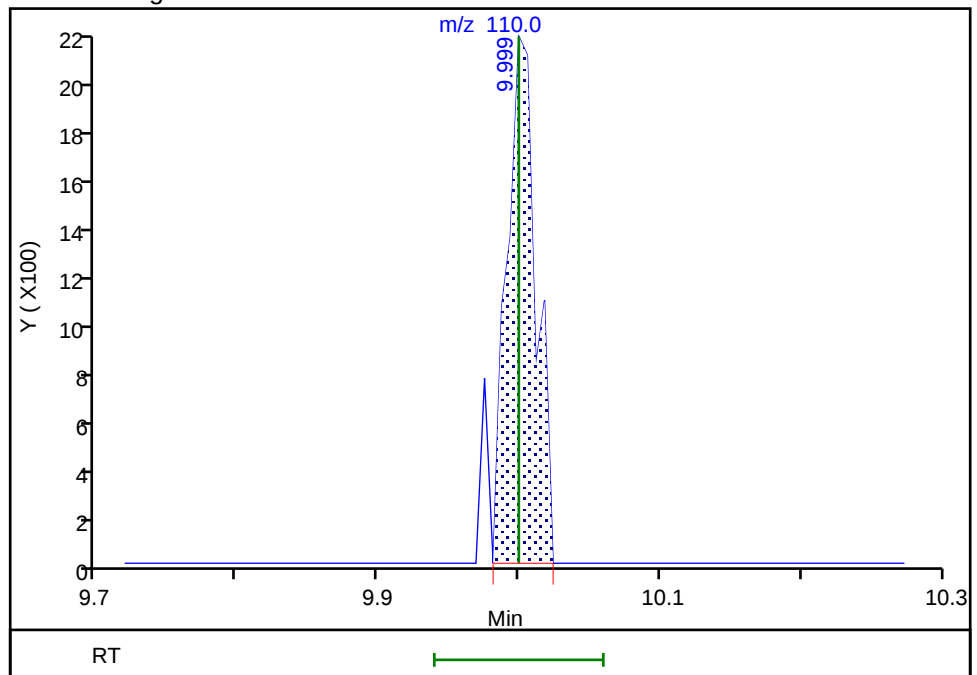
RT: 10.00
Area: 3397
Amount: 0.806128
Amount Units: ug/L

Processing Integration Results



RT: 10.00
Area: 3120
Amount: 0.746528
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:15:00

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

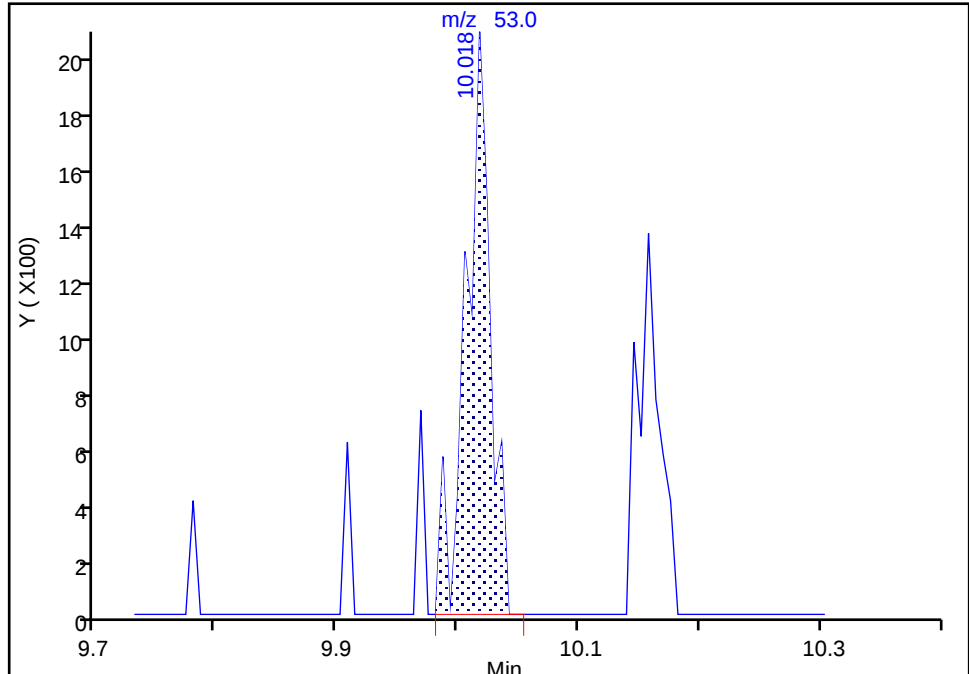
MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

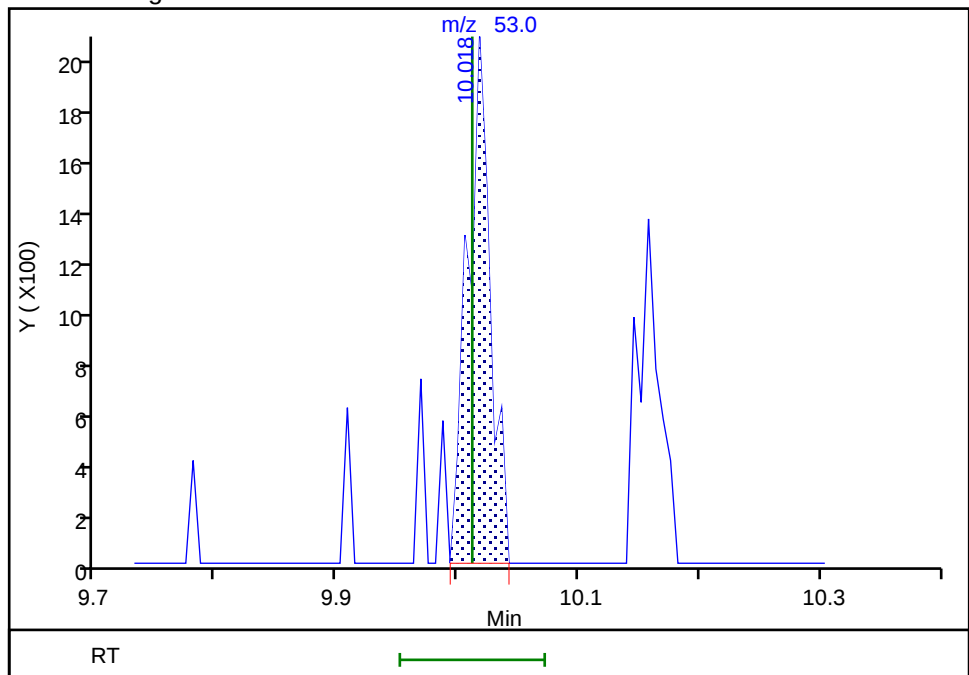
RT: 10.02
Area: 2886
Amount: 1.070549
Amount Units: ug/L

Processing Integration Results



RT: 10.02
Area: 2682
Amount: 1.162748
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:15:10

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

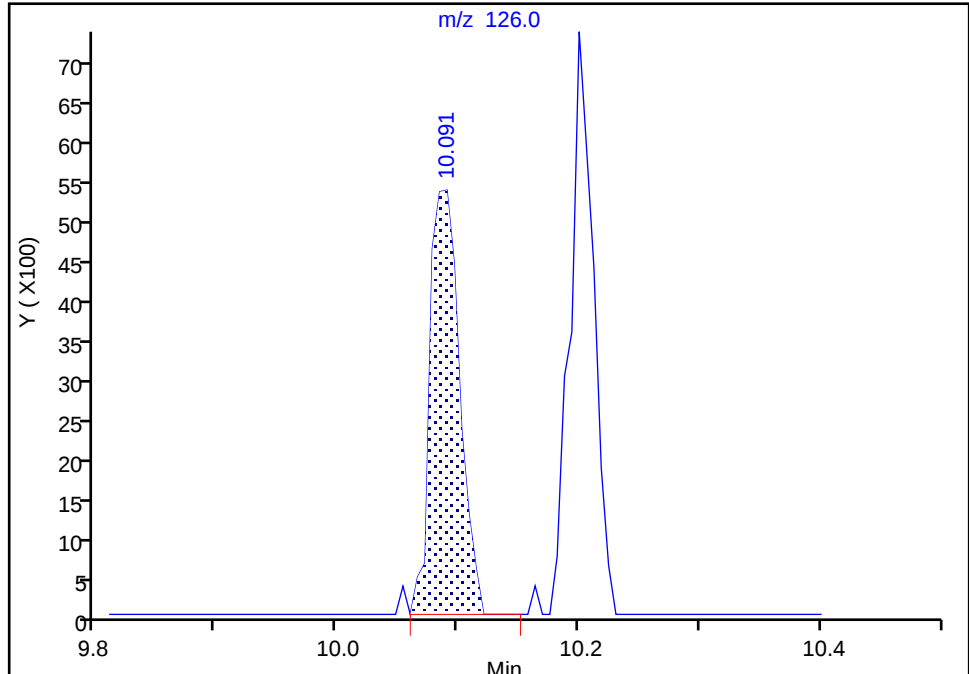
Detector: MS SCAN

103 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

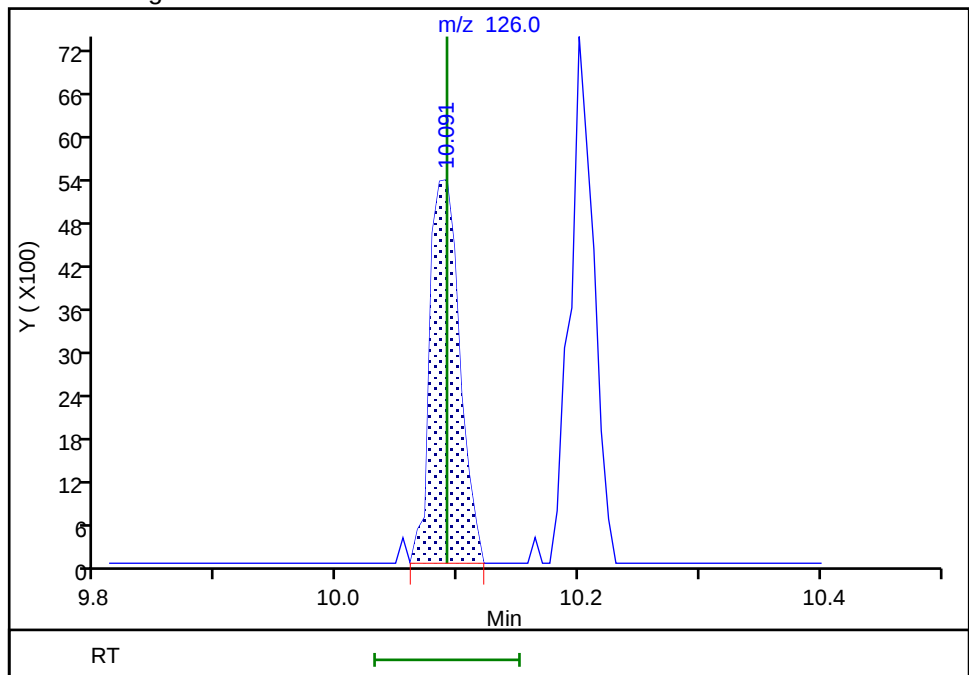
RT: 10.09
Area: 9082
Amount: 0.778951
Amount Units: ug/L

Processing Integration Results



RT: 10.09
Area: 9082
Amount: 0.778951
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:15:16

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

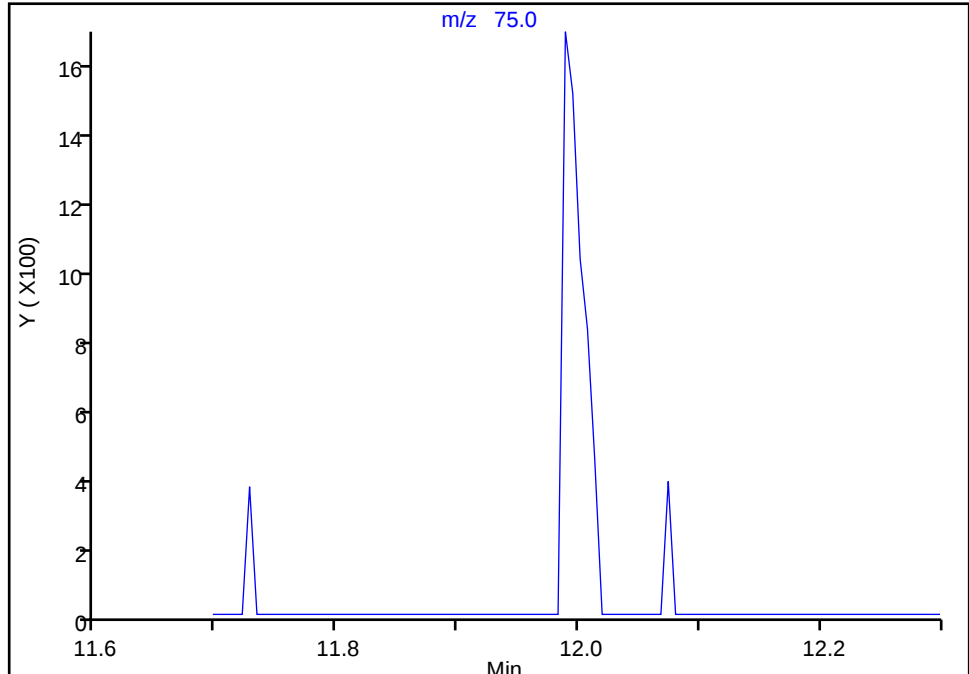
117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

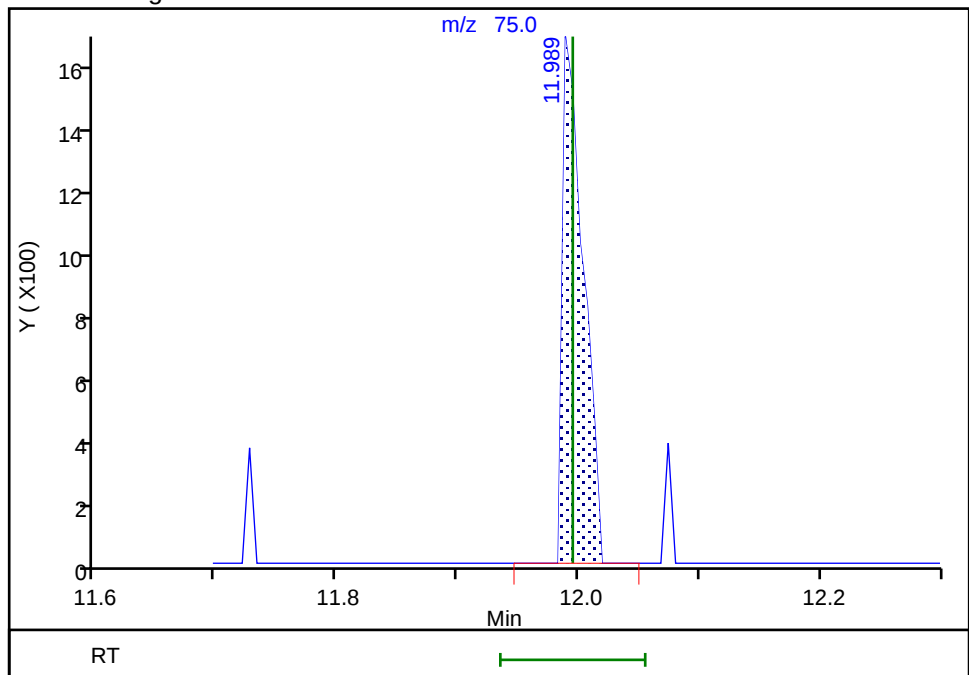
Not Detected

Expected RT: 11.99

Processing Integration Results



Manual Integration Results



RT: 11.99

Area: 1954

Amount: 0.793195

Amount Units: ug/L

Reviewer: nowakk, 20-Jun-2018 20:52:06

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 20-Jun-2018 14:38:30 ALS Bottle#: 5 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0072482-007
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:25:46 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 19:33:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	202958	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	88	394355	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	95	373516	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.926	4.926	0.000	55	237036	25.0	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	0	153545	25.0	24.1	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	91	987838	25.0	25.7	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	296734	25.0	25.2	
10 Dichlorodifluoromethane	85	1.276	1.282	-0.006	48	15348	2.00	1.57	
12 Chloromethane	50	1.464	1.464	0.000	69	31418	2.00	2.02	
13 Vinyl chloride	62	1.555	1.549	0.006	74	26352	2.00	1.91	
151 Butadiene	54	1.580	1.574	0.006	79	27634	2.00	1.92	
14 Bromomethane	94	1.872	1.872	0.000	76	13102	2.00	1.77	M
15 Chloroethane	64	1.981	1.969	0.012	40	15522	2.00	1.86	M
17 Trichlorofluoromethane	101	2.200	2.194	0.006	61	24492	2.00	1.87	M
16 Dichlorofluoromethane	67	2.206	2.194	0.012	58	32362	2.00	1.77	M
18 Ethyl ether	59	2.498	2.492	0.006	75	22137	2.00	1.90	
20 Acrolein	56	2.687	2.687	0.000	77	19651	10.0	8.82	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.705	-0.006	12	12129	2.00	1.88	M
22 1,1-Dichloroethene	96	2.717	2.730	-0.013	67	18776	2.00	2.09	M
23 Acetone	43	2.851	2.851	0.000	92	45897	10.0	11.8	M
25 Iodomethane	142	2.900	2.894	0.006	83	23539	2.00	1.80	M
26 Carbon disulfide	76	2.918	2.918	0.000	91	56275	2.00	1.97	
28 3-Chloro-1-propene	41	3.095	3.089	0.007	85	34229	2.00	1.97	
27 Methyl acetate	43	3.149	3.143	0.006	88	47623	4.00	4.65	
30 Methylene Chloride	84	3.253	3.253	0.000	87	42609	2.00	2.06	M
31 2-Methyl-2-propanol	59	3.429	3.423	0.006	89	23908	20.0	18.1	M
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	85	67897	2.00	2.02	
34 trans-1,2-Dichloroethene	96	3.466	3.472	-0.006	85	21095	2.00	2.06	
33 Acrylonitrile	53	3.545	3.539	0.006	98	110281	20.0	20.2	
35 Hexane	57	3.666	3.660	0.006	81	34429	2.00	1.82	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.904	3.892	0.012	75	44053	2.00	2.04	
37 Vinyl acetate	43	3.952	3.952	0.000	93	101560	4.00	4.08	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	73	23960	2.00	2.00	
45 cis-1,2-Dichloroethene	96	4.463	4.457	0.006	70	22561	2.00	1.91	
43 2-Butanone (MEK)	43	4.500	4.494	0.006	91	58111	10.0	9.69	
48 Chlorobromomethane	128	4.695	4.695	0.000	79	11538	2.00	2.05	
49 Tetrahydrofuran	42	4.713	4.713	0.000	84	15949	4.00	3.87	
50 Chloroform	83	4.768	4.774	-0.006	84	38075	2.00	2.02	
51 1,1,1-Trichloroethane	97	4.871	4.877	-0.006	62	26672	2.00	1.90	
52 Cyclohexane	56	4.877	4.883	-0.006	83	35177	2.00	1.86	
55 Carbon tetrachloride	117	5.011	5.011	0.000	63	24702	2.00	2.10	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	86	30749	2.00	2.15	
57 Benzene	78	5.236	5.236	0.000	53	85767	2.00	1.99	
53 Isobutyl alcohol	43	5.266	5.266	0.000	63	28420	50.0	51.0	
58 1,2-Dichloroethane	62	5.315	5.315	0.000	56	36030	2.00	2.07	
59 n-Heptane	43	5.406	5.412	-0.006	92	34128	2.00	1.94	M
62 Trichloroethene	95	5.850	5.850	0.000	83	22060	2.00	1.99	
64 Methylcyclohexane	83	5.966	5.960	0.006	87	31597	2.00	1.87	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	84	26992	2.00	2.08	
67 Dibromomethane	93	6.234	6.234	0.000	77	12583	2.00	1.86	
66 1,4-Dioxane	88	6.240	6.246	-0.006	24	2267	40.0	38.6	M
68 Dichlorobromomethane	83	6.386	6.386	0.000	80	23598	2.00	1.81	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	75	15014	2.00	1.73	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	71	30883	2.00	1.88	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	94	137972	10.0	11.0	
74 Toluene	92	7.092	7.085	0.007	74	54960	2.00	2.10	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	86	28095	2.00	1.95	
75 Ethyl methacrylate	69	7.420	7.414	0.006	58	28412	2.00	2.01	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	82	17708	2.00	2.24	
81 Tetrachloroethene	166	7.621	7.615	0.006	83	22036	2.00	1.99	
82 1,3-Dichloropropane	76	7.724	7.730	-0.006	84	35902	2.00	2.16	
80 2-Hexanone	43	7.797	7.791	0.006	77	98893	10.0	10.7	
83 Chlorodibromomethane	129	7.961	7.961	0.000	66	18127	2.00	2.02	
84 Ethylene Dibromide	107	8.065	8.071	-0.006	76	19979	2.00	2.01	
87 Chlorobenzene	112	8.539	8.539	0.000	86	60005	2.00	2.09	
88 Ethylbenzene	91	8.631	8.631	0.000	95	101499	2.00	2.15	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	43	19212	2.00	2.07	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	39460	2.00	2.05	
91 o-Xylene	106	9.178	9.178	0.000	94	38904	2.00	2.13	
92 Styrene	104	9.209	9.209	0.000	89	64472	2.00	2.06	
95 Bromoform	173	9.470	9.464	0.006	64	9957	2.00	1.74	
94 Isopropylbenzene	105	9.555	9.561	-0.006	89	97764	2.00	2.08	
101 Bromobenzene	156	9.908	9.908	0.000	88	23921	2.00	2.01	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	59	25318	2.00	1.98	
99 N-Propylbenzene	91	9.987	9.987	0.000	97	112308	2.00	2.06	
100 1,2,3-Trichloropropane	110	10.006	9.999	0.007	65	7744	2.00	1.84	
98 trans-1,4-Dichloro-2-buten	53	10.018	10.012	0.006	45	6261	2.00	1.92	
103 2-Chlorotoluene	126	10.091	10.091	0.000	92	23261	2.00	1.98	
102 1,3,5-Trimethylbenzene	105	10.158	10.164	-0.006	86	82695	2.00	2.02	
105 4-Chlorotoluene	126	10.200	10.200	0.000	79	26092	2.00	2.17	
106 tert-Butylbenzene	134	10.480	10.474	0.006	84	17151	2.00	1.97	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	69	85998	2.00	2.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.681	10.687	-0.006	88	101392	2.00	2.07	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	69	48178	2.00	2.08	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	93	85693	2.00	2.03	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	53	49506	2.00	2.10	
115 n-Butylbenzene	91	11.210	11.210	0.000	90	80619	2.00	2.12	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	89	46309	2.00	2.03	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	34	4266	2.00	1.72	
119 1,2,4-Trichlorobenzene	180	12.658	12.664	-0.006	71	35174	2.00	2.17	
120 Hexachlorobutadiene	225	12.774	12.767	0.007	68	15718	2.00	2.03	
121 Naphthalene	128	12.883	12.877	0.006	93	89284	2.00	2.02	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	86	28319	2.00	1.89	
S 123 Total BTEX	1				0			10.4	
S 125 1,2-Dichloroethene, Total	1				0			3.97	
S 124 Xylenes, Total	1				0			4.19	
S 126 1,3-Dichloropropene, Total	1				0			3.83	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 2.00

Units: uL

GAS CORP mix_00287

Amount Added: 2.00

Units: uL

S_8260_IS_00293

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00274

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: IC 2

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

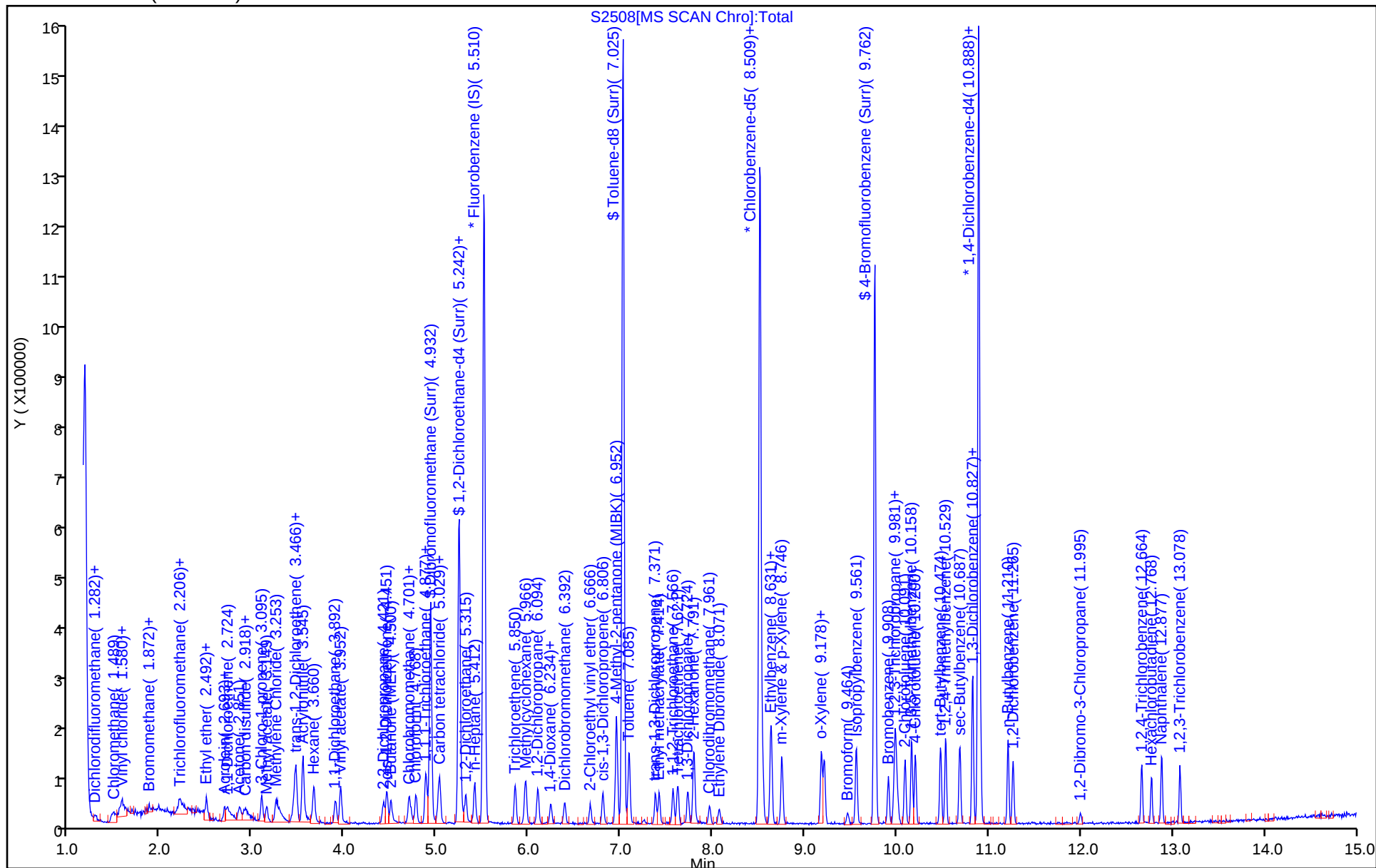
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

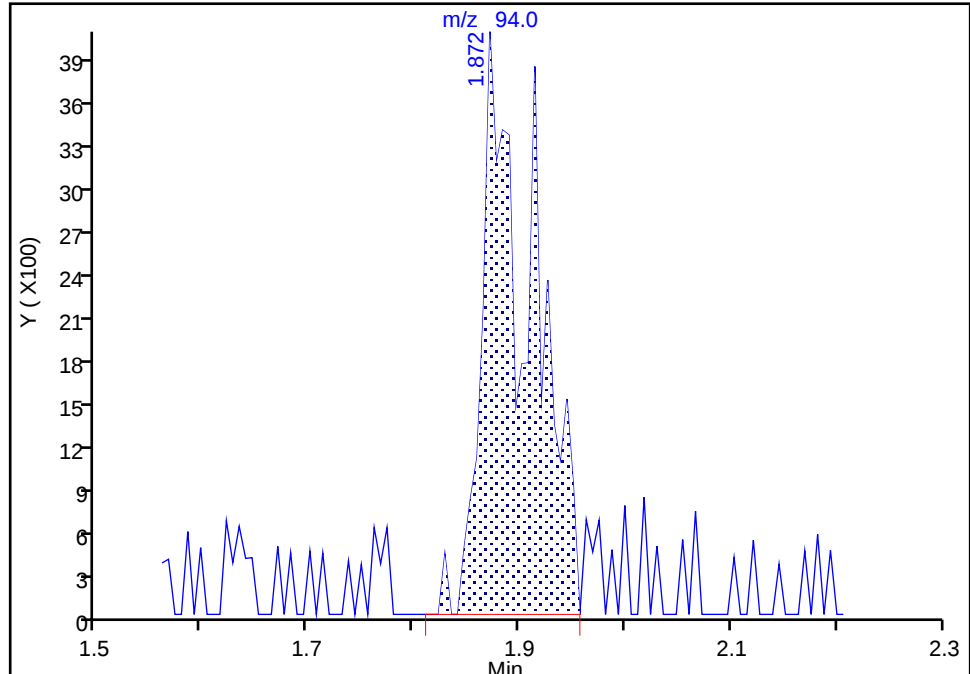
MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

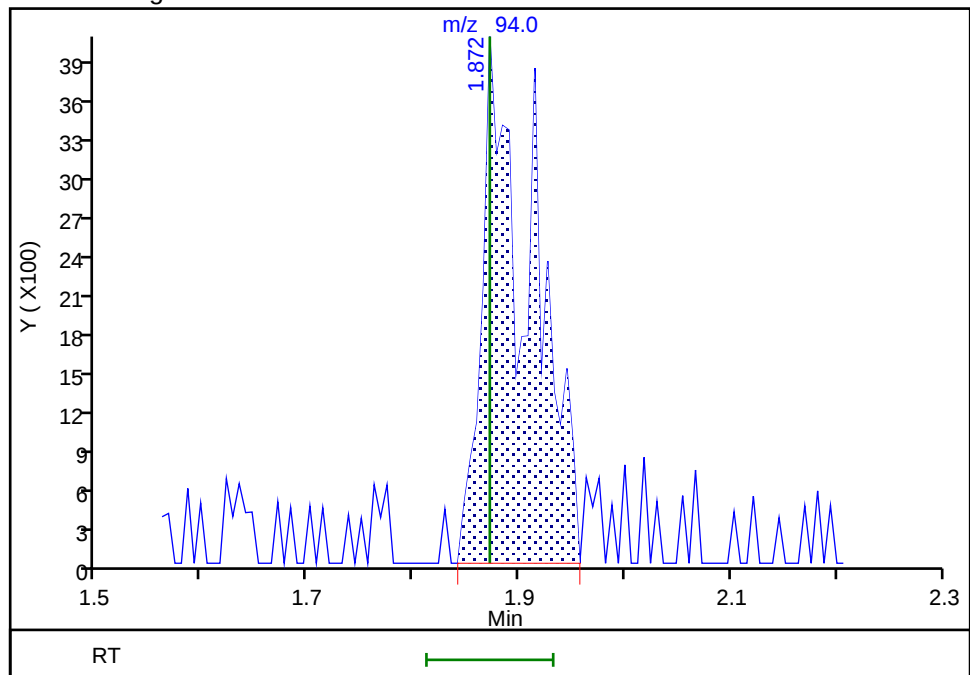
RT: 1.87
Area: 13255
Amount: 1.789184
Amount Units: ug/L

Processing Integration Results



RT: 1.87
Area: 13102
Amount: 1.770817
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:16:25

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

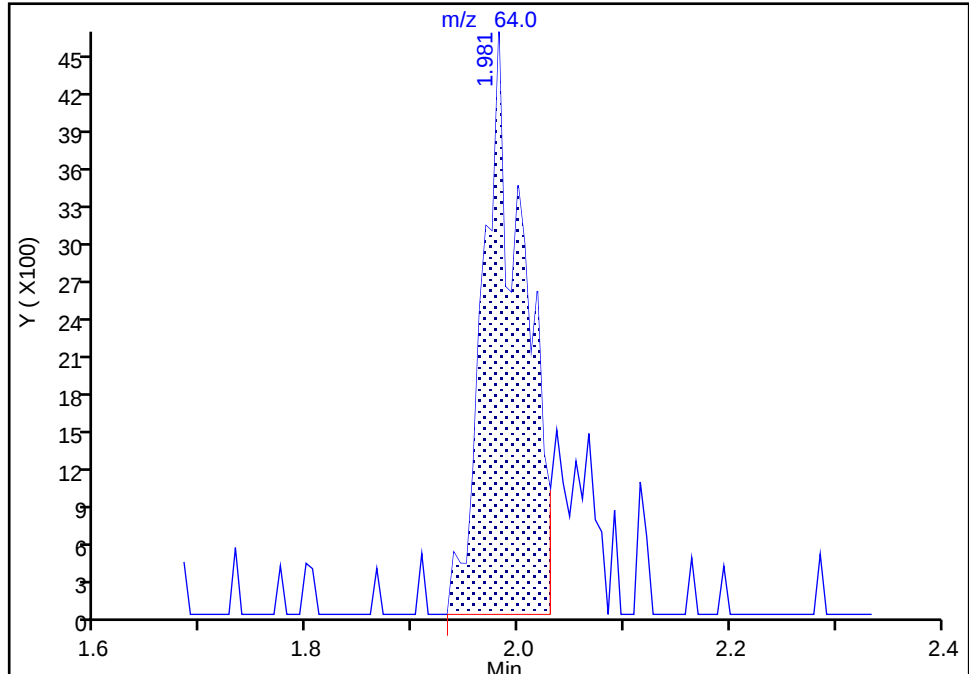
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D
Injection Date: 20-Jun-2018 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH/ZV ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

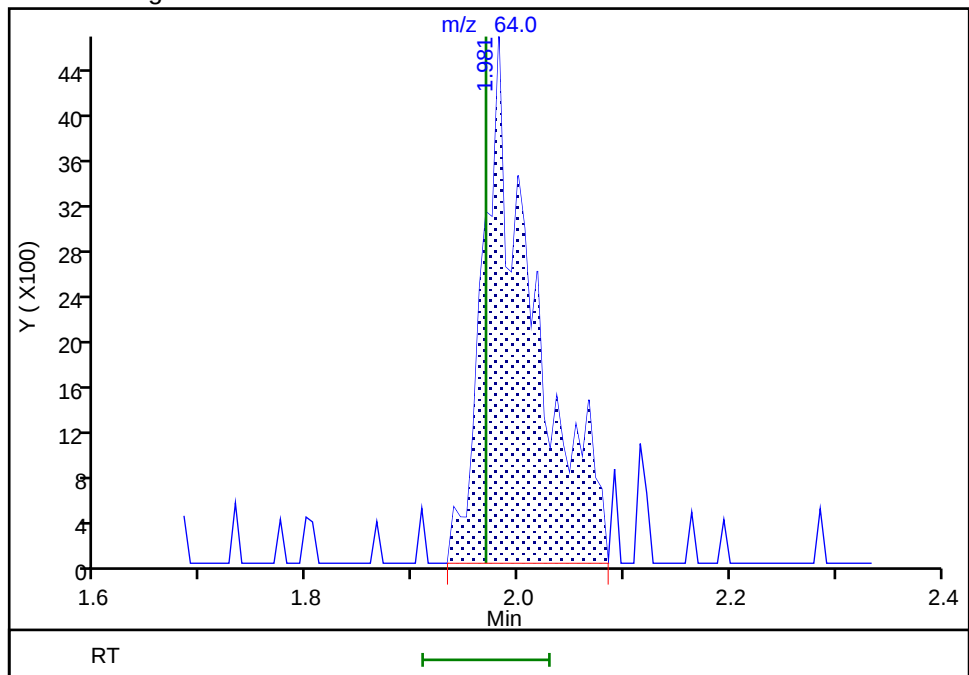
RT: 1.98
Area: 12491
Amount: 1.531681
Amount Units: ug/L

Processing Integration Results



RT: 1.98
Area: 15522
Amount: 1.857410
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:47:42

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

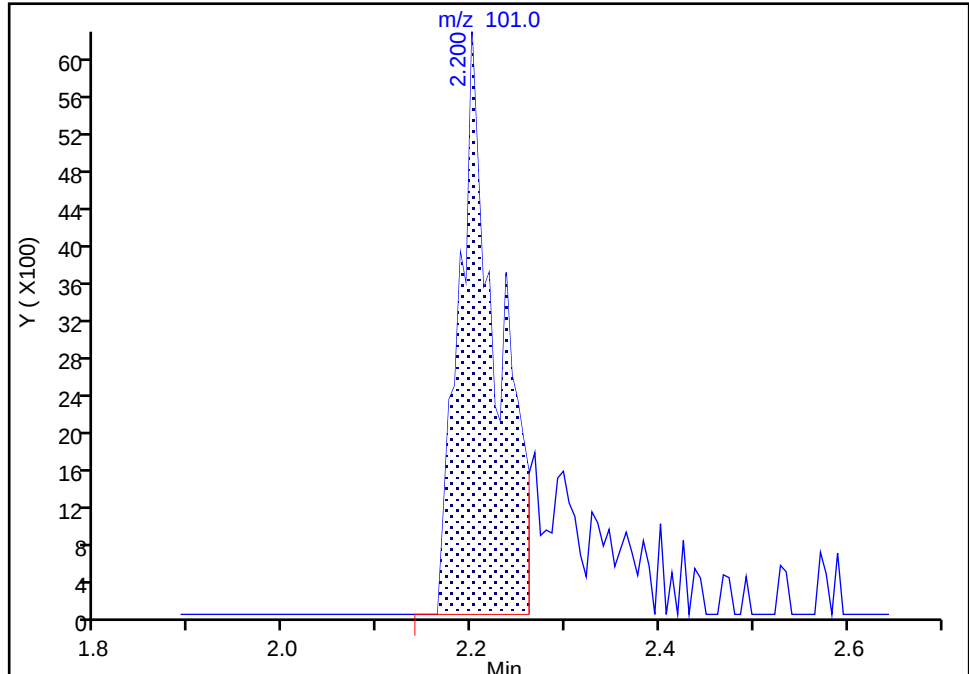
MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

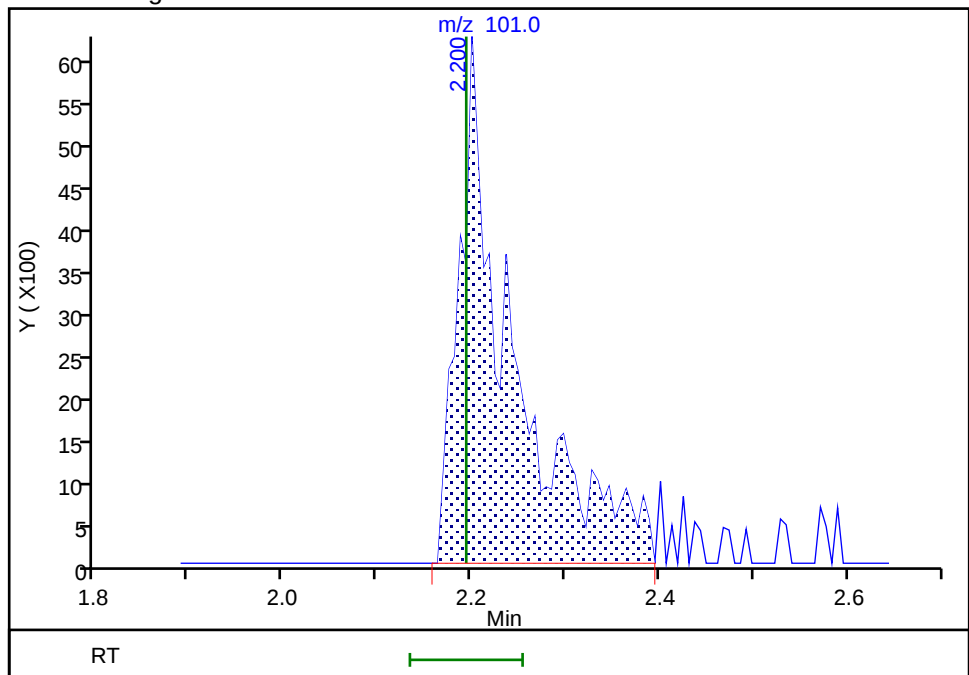
RT: 2.20
Area: 17555
Amount: 1.517755
Amount Units: ug/L

Processing Integration Results



RT: 2.20
Area: 24492
Amount: 1.872069
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:48:16

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

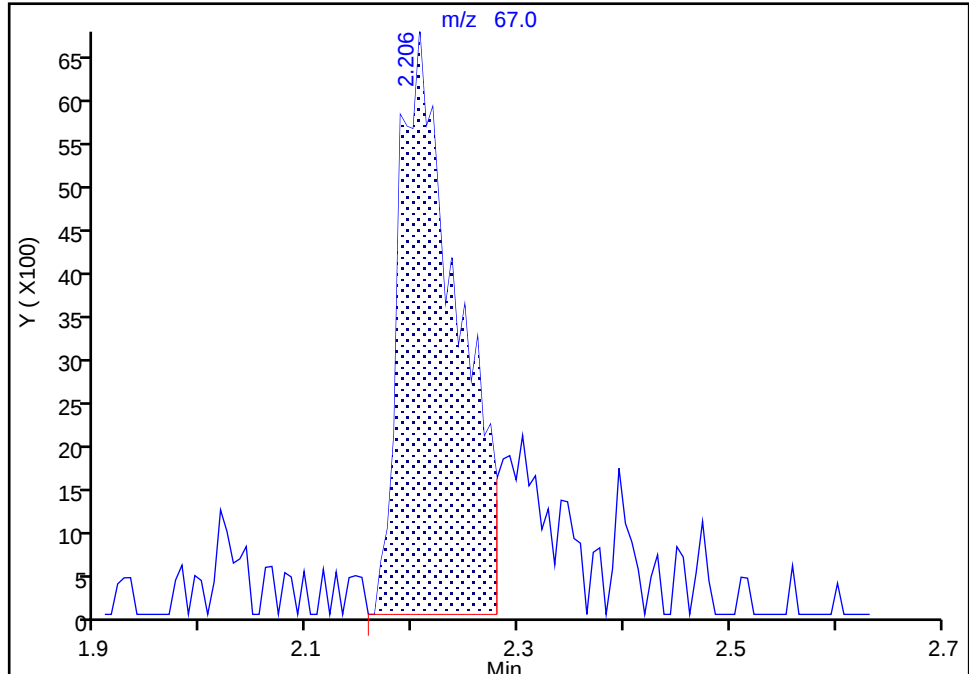
Detector: MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

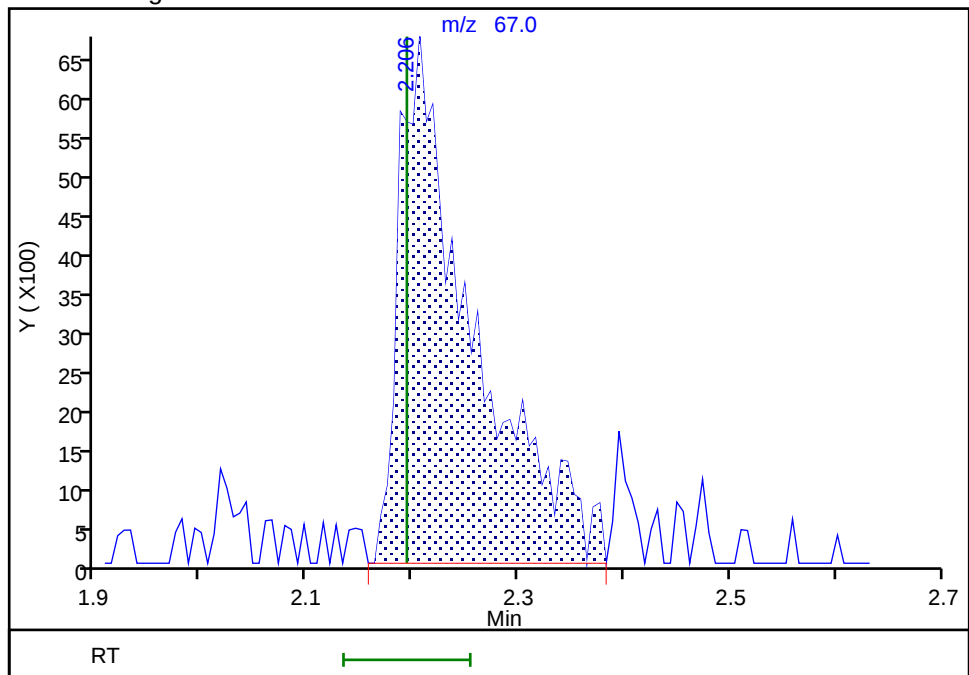
RT: 2.21
Area: 25443
Amount: 1.492939
Amount Units: ug/L

Processing Integration Results



RT: 2.21
Area: 32362
Amount: 1.767578
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:48:39

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

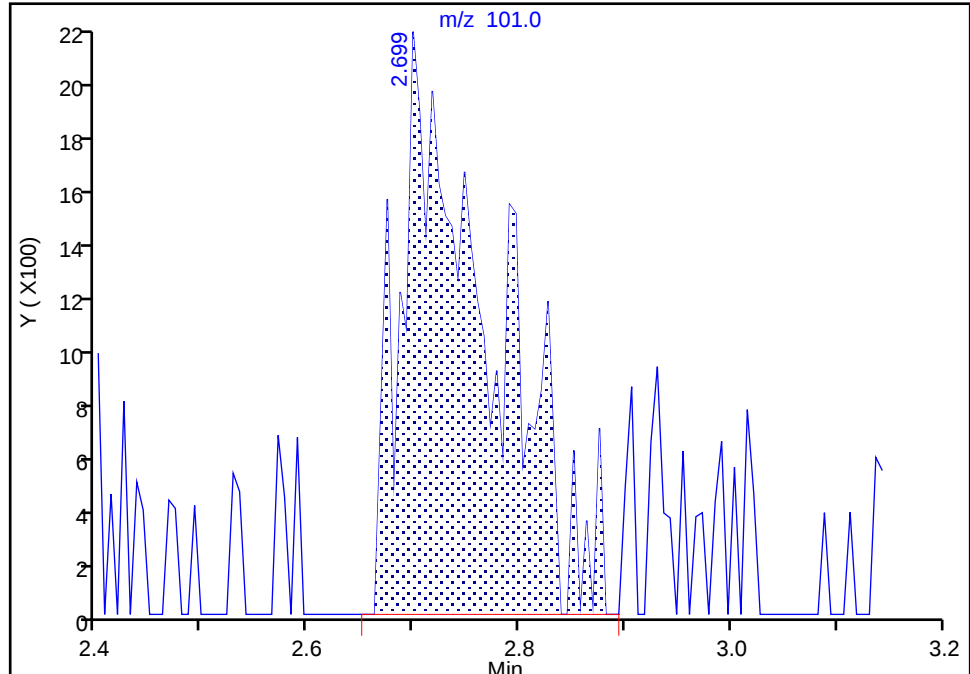
Detector: MS SCAN

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

Signal: 1

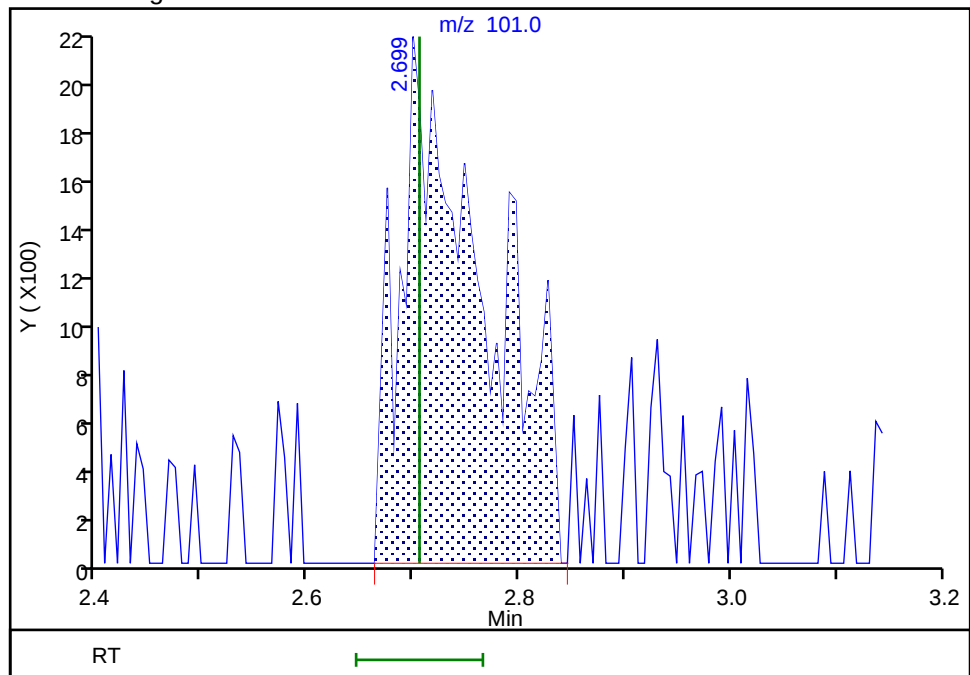
RT: 2.70
Area: 12735
Amount: 2.086698
Amount Units: ug/L

Processing Integration Results



RT: 2.70
Area: 12129
Amount: 1.875033
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:16:41

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

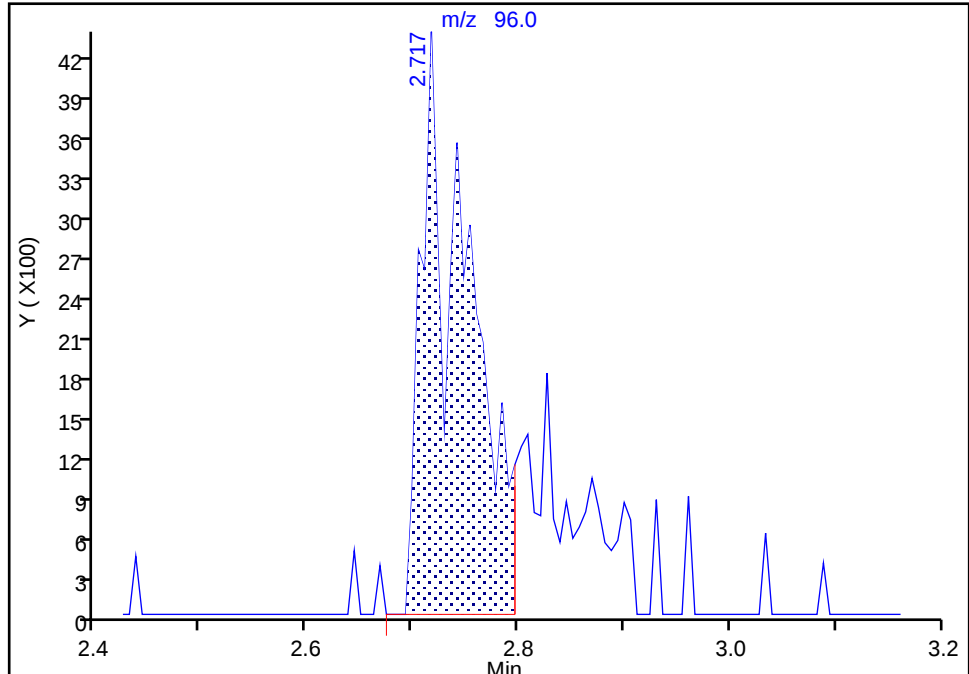
Detector: MS SCAN

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

Signal: 1

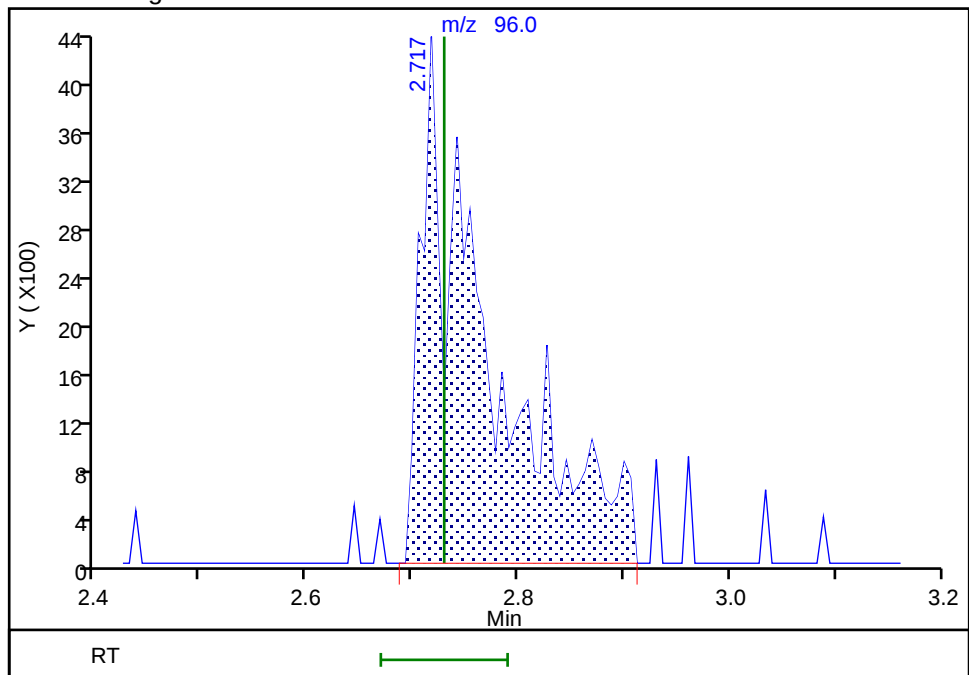
RT: 2.72
Area: 13311
Amount: 1.727229
Amount Units: ug/L

Processing Integration Results



RT: 2.72
Area: 18776
Amount: 2.094349
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:16:54

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

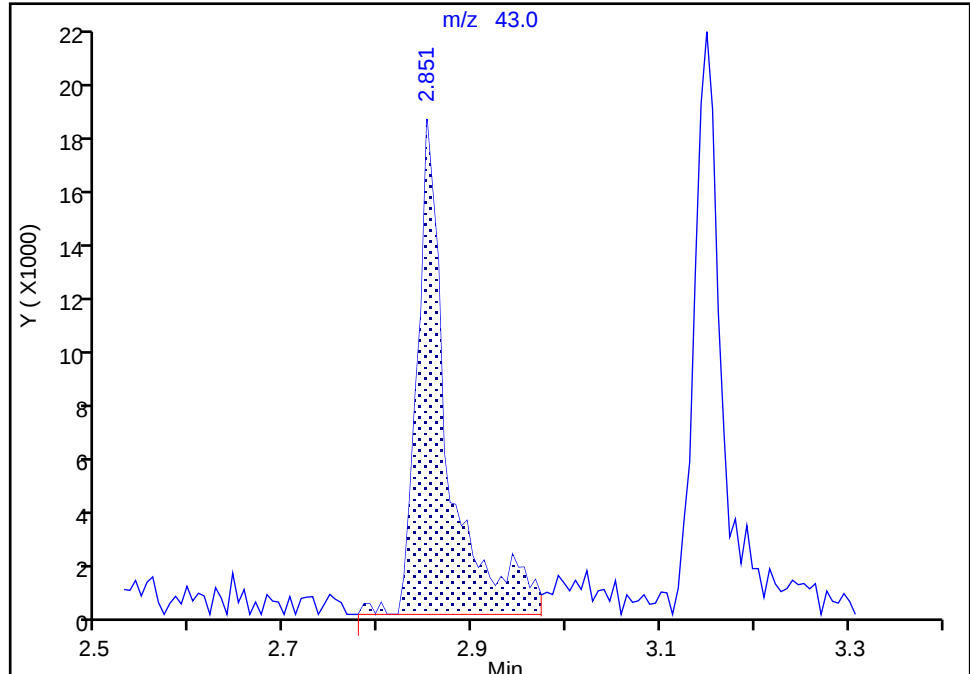
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

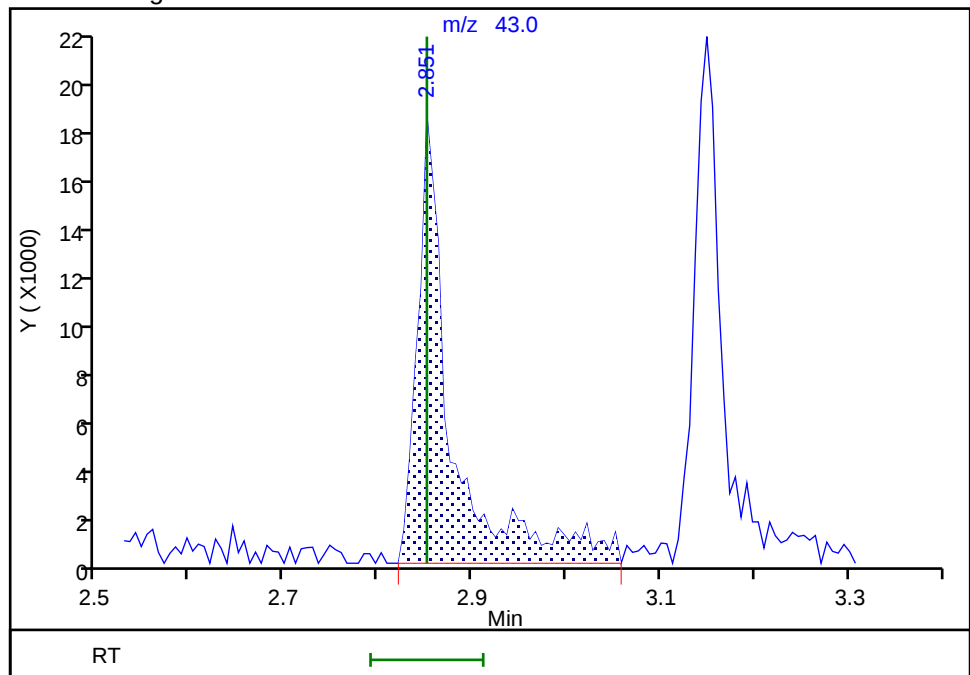
RT: 2.85
Area: 41648
Amount: 9.924223
Amount Units: ug/L

Processing Integration Results



RT: 2.85
Area: 45897
Amount: 11.753991
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:49:47

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

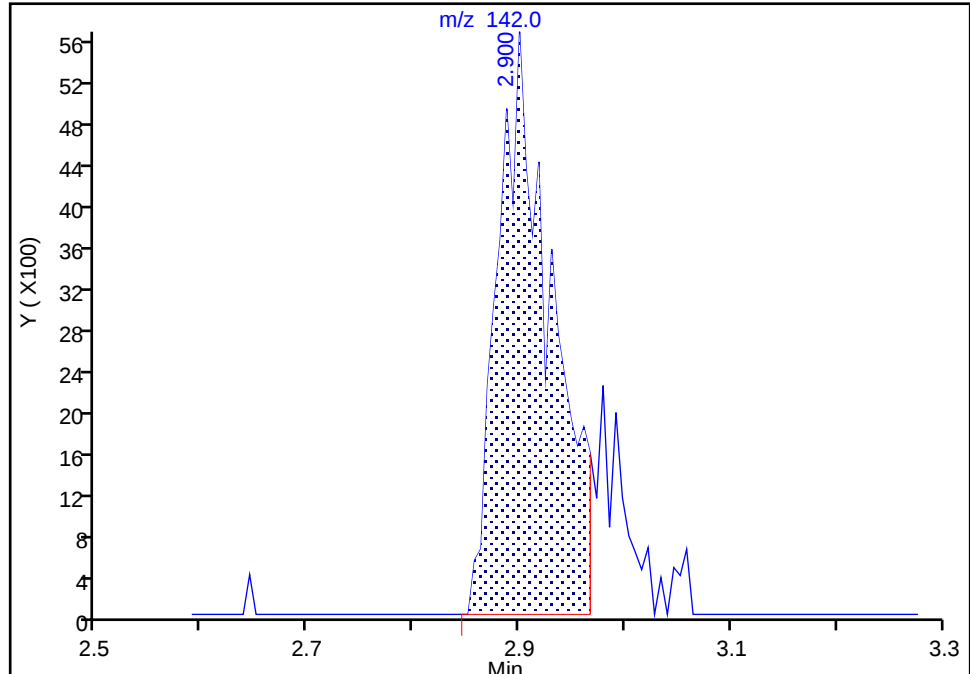
Detector: MS SCAN

25 Iodomethane, CAS: 74-88-4

Signal: 1

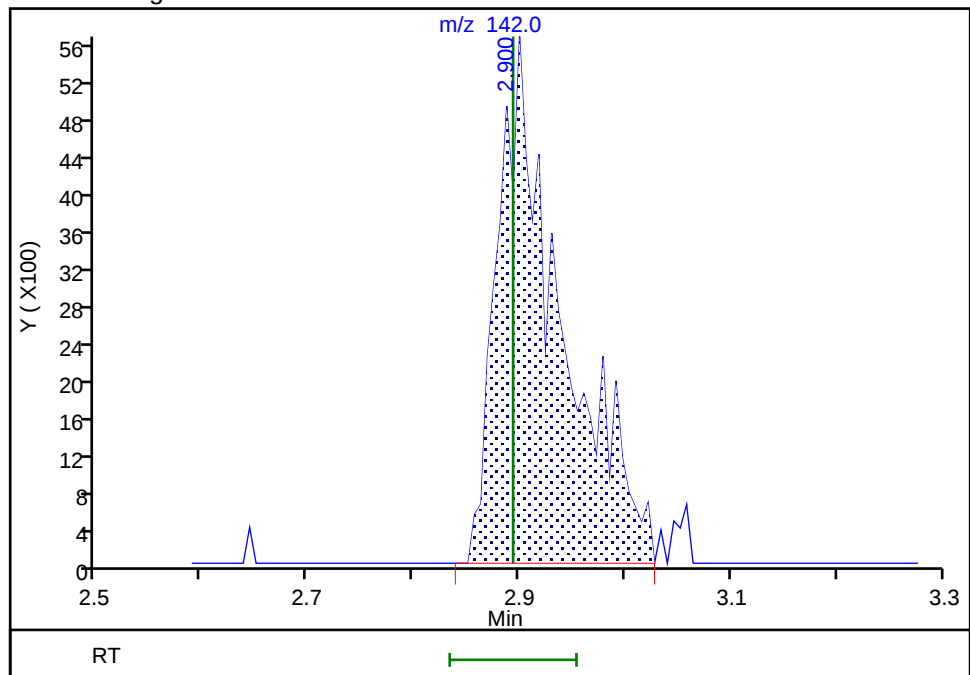
RT: 2.90
Area: 19972
Amount: 1.497511
Amount Units: ug/L

Processing Integration Results



RT: 2.90
Area: 23539
Amount: 1.795323
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:50:30

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

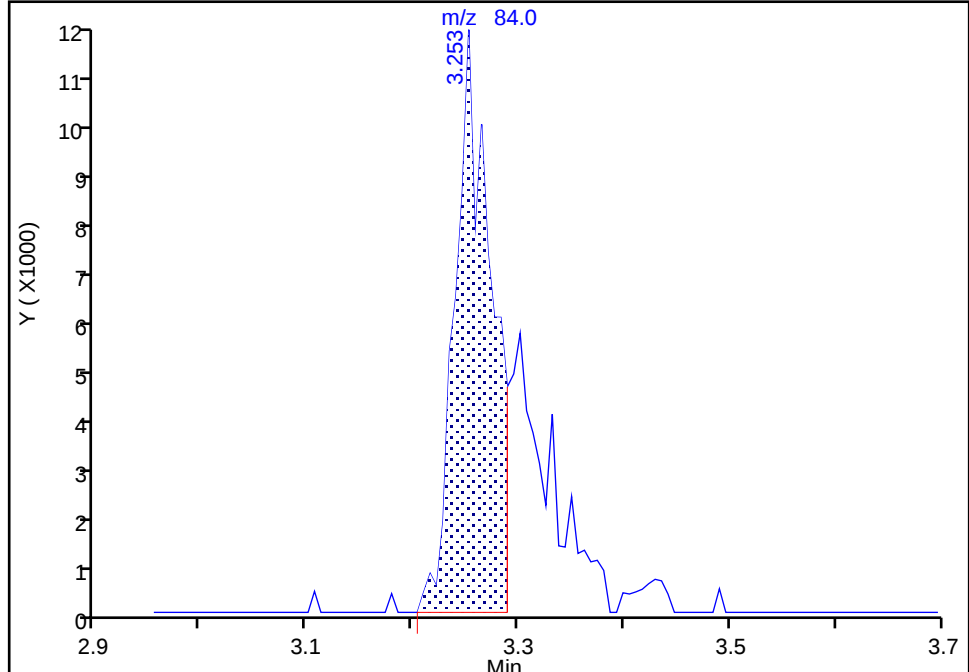
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D
Injection Date: 20-Jun-2018 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH/ZV ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

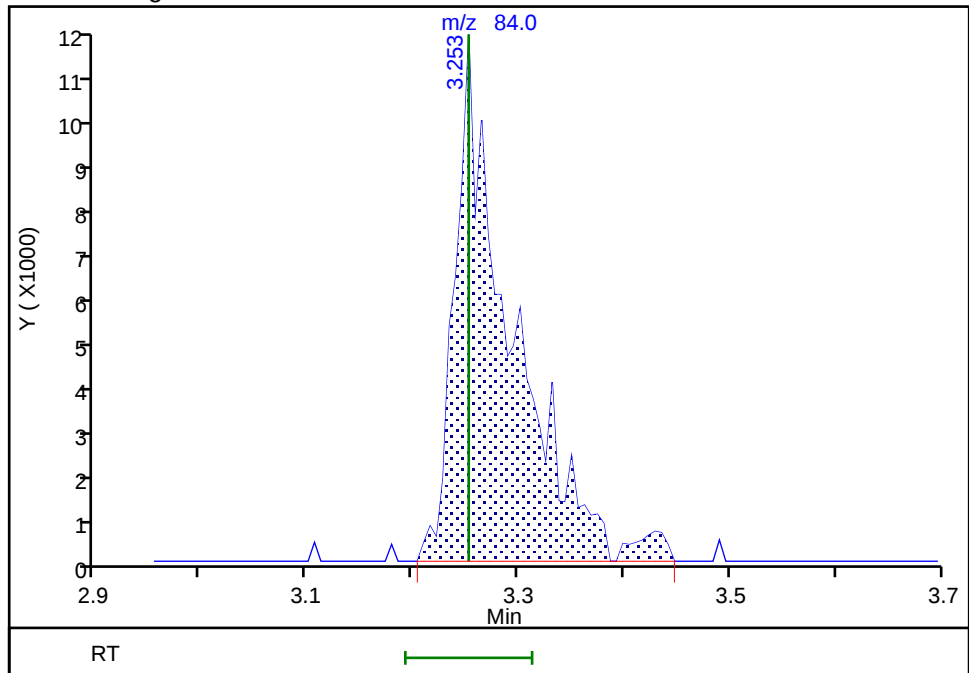
RT: 3.25
Area: 27629
Amount: 1.460418
Amount Units: ug/L

Processing Integration Results



RT: 3.25
Area: 42609
Amount: 2.057003
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:49:08
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

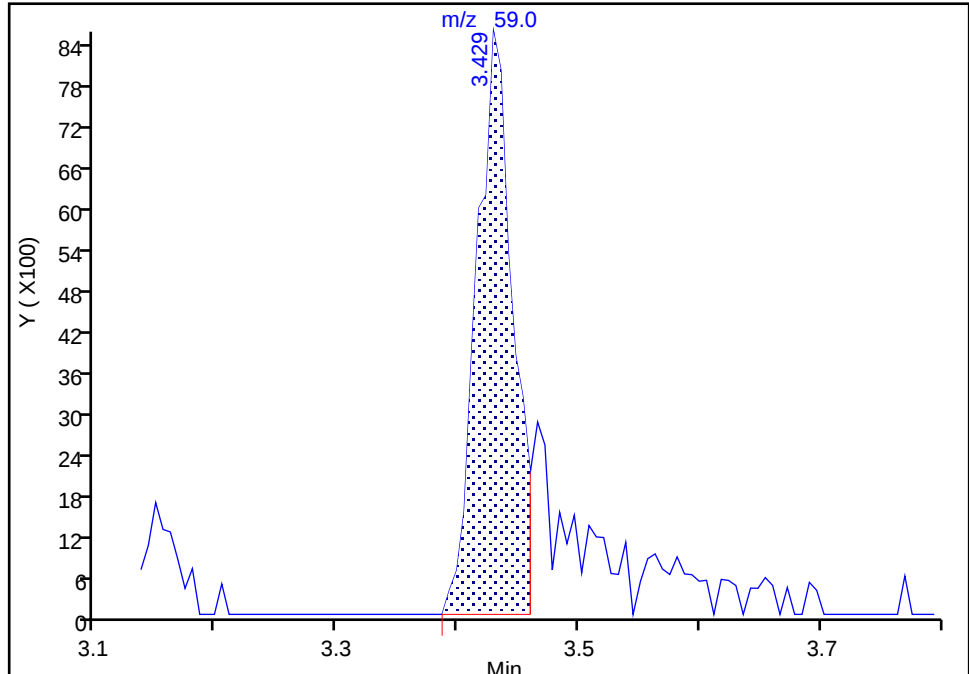
Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

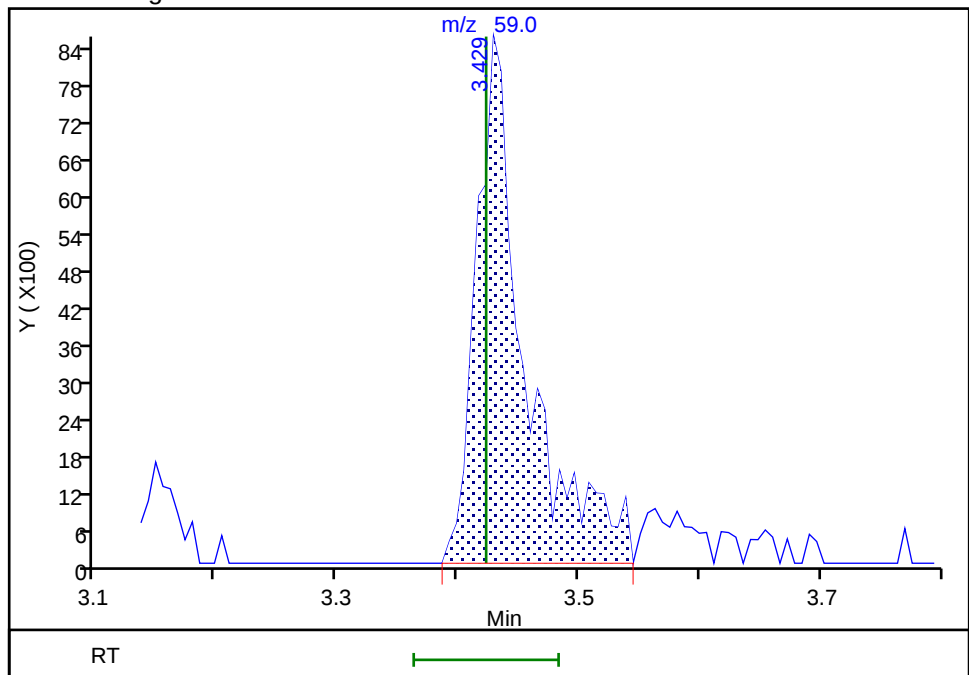
RT: 3.43
Area: 17955
Amount: 16.316635
Amount Units: ug/L

Processing Integration Results



RT: 3.43
Area: 23908
Amount: 18.070445
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:51:44

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

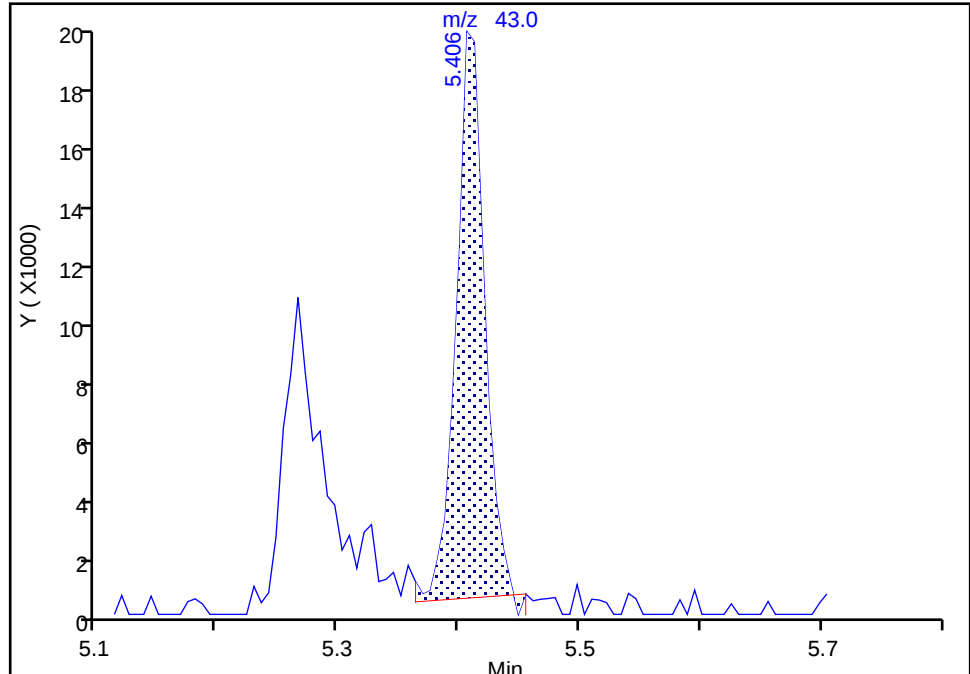
Detector: MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

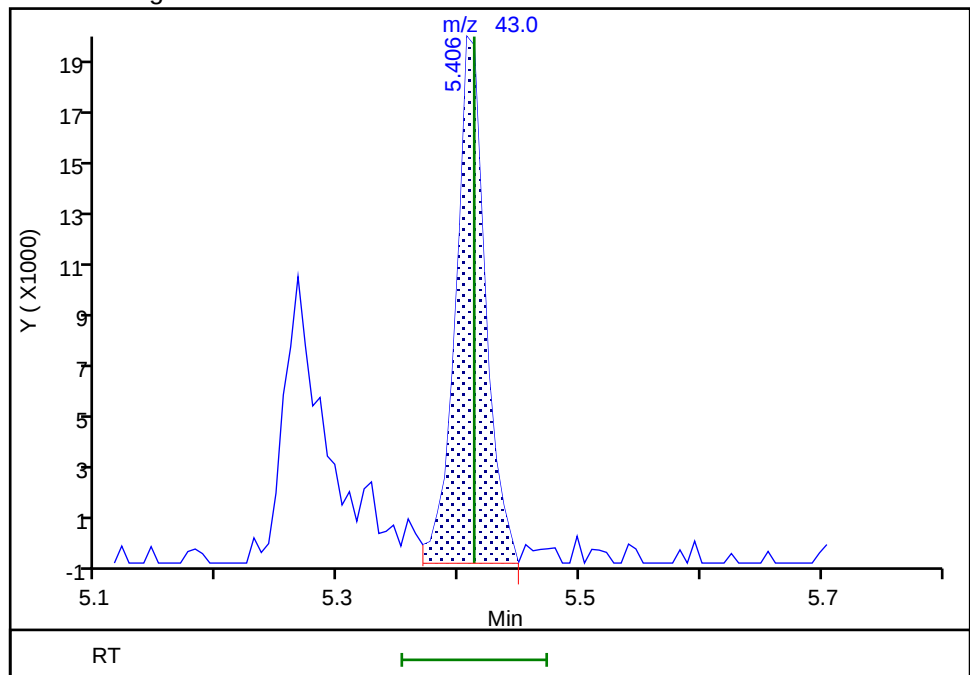
RT: 5.41
Area: 31472
Amount: 1.805730
Amount Units: ug/L

Processing Integration Results



RT: 5.41
Area: 34128
Amount: 1.939647
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:17:57

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

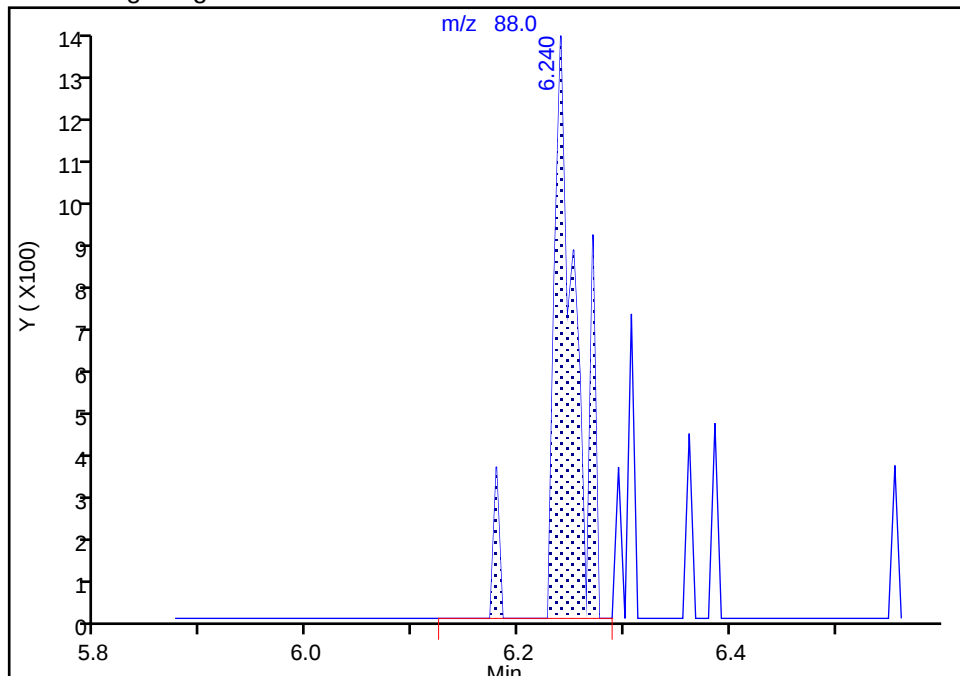
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D
Injection Date: 20-Jun-2018 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH/ZV ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

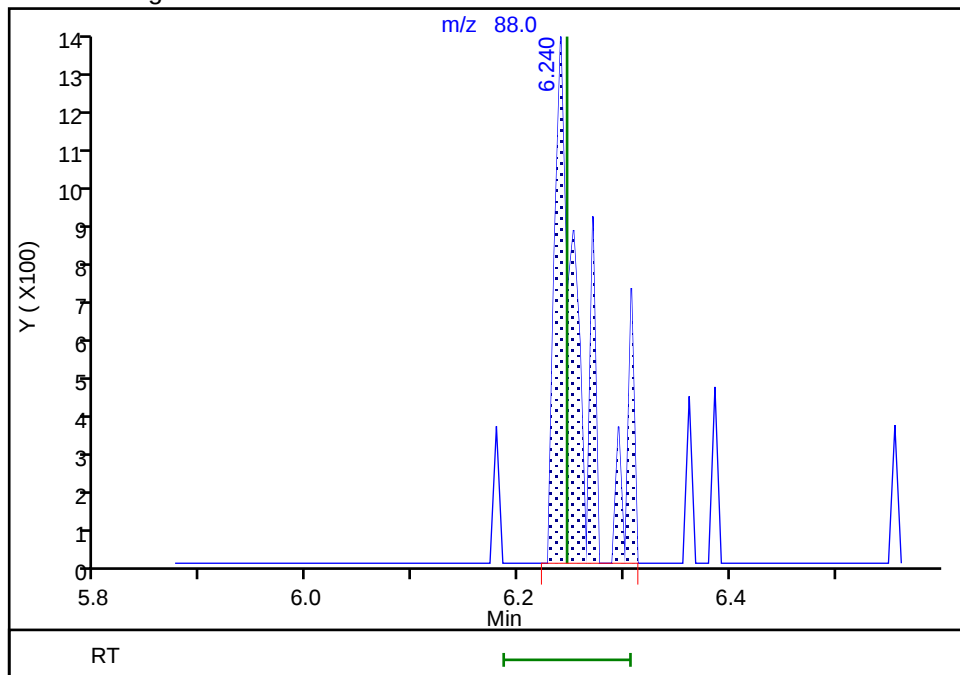
RT: 6.24
Area: 2010
Amount: 26.141337
Amount Units: ug/L

Processing Integration Results



RT: 6.24
Area: 2267
Amount: 38.583938
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:26:20

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2509.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 20-Jun-2018 15:01:30 ALS Bottle#: 6 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0072482-008
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:25:51 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 20:19:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	194919	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	401283	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	93	371613	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.926	4.926	0.000	62	236175	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	0	162701	25.0	26.6	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	91	974777	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	298183	25.0	24.8	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	84	57375	5.00	6.11	
12 Chloromethane	50	1.464	1.464	0.000	98	78570	5.00	5.27	
13 Vinyl chloride	62	1.543	1.549	-0.006	81	72004	5.00	5.43	
151 Butadiene	54	1.574	1.574	0.000	56	74679	5.00	5.40	
14 Bromomethane	94	1.884	1.872	0.012	81	37490	5.00	5.28	
15 Chloroethane	64	1.988	1.969	0.019	70	42938	5.00	5.35	
16 Dichlorofluoromethane	67	2.207	2.194	0.013	79	94040	5.00	5.35	M
17 Trichlorofluoromethane	101	2.200	2.194	0.006	68	74675	5.00	5.94	M
18 Ethyl ether	59	2.492	2.492	0.000	82	59556	5.00	5.33	
20 Acrolein	56	2.687	2.687	0.000	90	50983	25.0	23.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.705	-0.006	39	42648	5.00	5.88	M
22 1,1-Dichloroethene	96	2.718	2.730	-0.012	96	49334	5.00	5.73	
23 Acetone	43	2.845	2.851	-0.006	92	94147	25.0	25.1	
25 Iodomethane	142	2.894	2.894	0.000	93	69957	5.00	5.56	
26 Carbon disulfide	76	2.918	2.918	0.000	88	152614	5.00	5.56	
28 3-Chloro-1-propene	41	3.089	3.089	0.001	86	90419	5.00	5.42	
27 Methyl acetate	43	3.143	3.143	0.000	96	103471	10.0	10.5	
30 Methylene Chloride	84	3.247	3.253	-0.006	87	75350	5.00	5.30	M
31 2-Methyl-2-propanol	59	3.429	3.423	0.006	84	62295	50.0	49.0	M
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	90	166404	5.00	5.16	
34 trans-1,2-Dichloroethene	96	3.466	3.472	-0.006	85	55688	5.00	5.65	
33 Acrylonitrile	53	3.539	3.539	0.000	99	254614	50.0	48.7	
35 Hexane	57	3.654	3.660	-0.006	82	108267	5.00	5.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.892	3.892	0.000	92	110345	5.00	5.32	
37 Vinyl acetate	43	3.953	3.952	0.001	97	249498	10.0	10.4	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	89	64910	5.00	5.64	
45 cis-1,2-Dichloroethene	96	4.451	4.457	-0.006	75	61673	5.00	5.45	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	92	142709	25.0	24.8	
48 Chlorobromomethane	128	4.695	4.695	0.000	91	30101	5.00	5.56	
49 Tetrahydrofuran	42	4.713	4.713	0.000	84	36094	10.0	9.12	
50 Chloroform	83	4.768	4.774	-0.006	92	98890	5.00	5.46	
51 1,1,1-Trichloroethane	97	4.883	4.877	0.006	88	74012	5.00	5.48	
52 Cyclohexane	56	4.877	4.883	-0.006	89	95397	5.00	5.25	
55 Carbon tetrachloride	117	5.017	5.011	0.006	86	61607	5.00	5.45	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	89	71332	5.00	5.19	
57 Benzene	78	5.236	5.236	0.000	75	223580	5.00	5.41	
53 Isobutyl alcohol	43	5.267	5.266	0.001	92	61251	125.0	114.5	
58 1,2-Dichloroethane	62	5.309	5.315	-0.006	70	87871	5.00	5.26	
59 n-Heptane	43	5.413	5.412	0.001	86	95852	5.00	5.67	
62 Trichloroethene	95	5.851	5.850	0.001	93	60191	5.00	5.64	
64 Methylcyclohexane	83	5.960	5.960	0.000	94	95854	5.00	5.90	
65 1,2-Dichloropropane	63	6.100	6.094	0.006	94	65633	5.00	5.26	
67 Dibromomethane	93	6.240	6.234	0.006	86	33662	5.00	5.17	
66 1,4-Dioxane	88	6.240	6.246	-0.006	26	6969	100.0	89.7	M
68 Dichlorobromomethane	83	6.392	6.386	0.006	95	68190	5.00	5.44	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	87	42348	5.00	5.09	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	87	84252	5.00	5.34	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	94	326171	25.0	25.5	
74 Toluene	92	7.092	7.085	0.007	80	140875	5.00	5.28	
77 trans-1,3-Dichloropropene	75	7.378	7.377	0.001	87	70774	5.00	4.82	
75 Ethyl methacrylate	69	7.414	7.414	0.000	85	74867	5.00	5.20	
79 1,1,2-Trichloroethane	83	7.572	7.566	0.006	91	41694	5.00	5.19	
81 Tetrachloroethene	166	7.621	7.615	0.006	81	58888	5.00	5.23	
82 1,3-Dichloropropane	76	7.724	7.730	-0.006	93	81753	5.00	4.82	
80 2-Hexanone	43	7.791	7.791	0.000	79	246316	25.0	26.1	
83 Chlorodibromomethane	129	7.962	7.961	0.001	82	45191	5.00	4.94	
84 Ethylene Dibromide	107	8.071	8.071	0.000	90	52152	5.00	5.15	
87 Chlorobenzene	112	8.540	8.539	0.001	90	153908	5.00	5.27	
88 Ethylbenzene	91	8.631	8.631	0.000	99	260118	5.00	5.41	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	54	46444	5.00	4.91	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	101199	5.00	5.17	
91 o-Xylene	106	9.178	9.178	0.000	98	97848	5.00	5.27	
92 Styrene	104	9.209	9.209	0.000	93	168072	5.00	5.28	
95 Bromoform	173	9.464	9.464	0.000	91	26624	5.00	4.56	
94 Isopropylbenzene	105	9.562	9.561	0.001	94	261022	5.00	5.57	
101 Bromobenzene	156	9.908	9.908	0.000	93	62196	5.00	5.25	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	81	66963	5.00	5.26	
99 N-Propylbenzene	91	9.981	9.987	-0.006	98	304106	5.00	5.60	
100 1,2,3-Trichloropropane	110	10.000	9.999	0.001	67	22292	5.00	5.32	
98 trans-1,4-Dichloro-2-buten	53	10.018	10.012	0.006	65	18263	5.00	4.51	
103 2-Chlorotoluene	126	10.091	10.091	0.000	95	60025	5.00	5.13	
102 1,3,5-Trimethylbenzene	105	10.158	10.164	-0.006	83	214731	5.00	5.28	
105 4-Chlorotoluene	126	10.206	10.200	0.006	93	62670	5.00	5.23	
106 tert-Butylbenzene	134	10.474	10.474	0.000	90	48709	5.00	5.62	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	75	223814	5.00	5.39	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	90	261311	5.00	5.36	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	96	231080	5.00	5.51	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	70	119848	5.00	5.20	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	75	127844	5.00	5.44	
115 n-Butylbenzene	91	11.210	11.210	0.000	96	208379	5.00	5.51	
116 1,2-Dichlorobenzene	146	11.259	11.265	-0.006	90	123068	5.00	5.43	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	47	11203	5.00	4.54	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	91	80426	5.00	4.99	
120 Hexachlorobutadiene	225	12.768	12.767	0.001	89	39788	5.00	5.16	
121 Naphthalene	128	12.877	12.877	0.000	97	221088	5.00	5.02	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	94	79276	5.00	5.33	
S 124 Xylenes, Total	1				0			10.4	
S 126 1,3-Dichloropropene, Total	1				0			10.2	
S 123 Total BTEX	1				0			26.5	
S 125 1,2-Dichloroethene, Total	1				0			11.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 5.00

Units: uL

GAS CORP mix_00287

Amount Added: 5.00

Units: uL

S_8260_IS_00293

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00274

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2509.D

Injection Date: 20-Jun-2018 15:01:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: IC 3

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

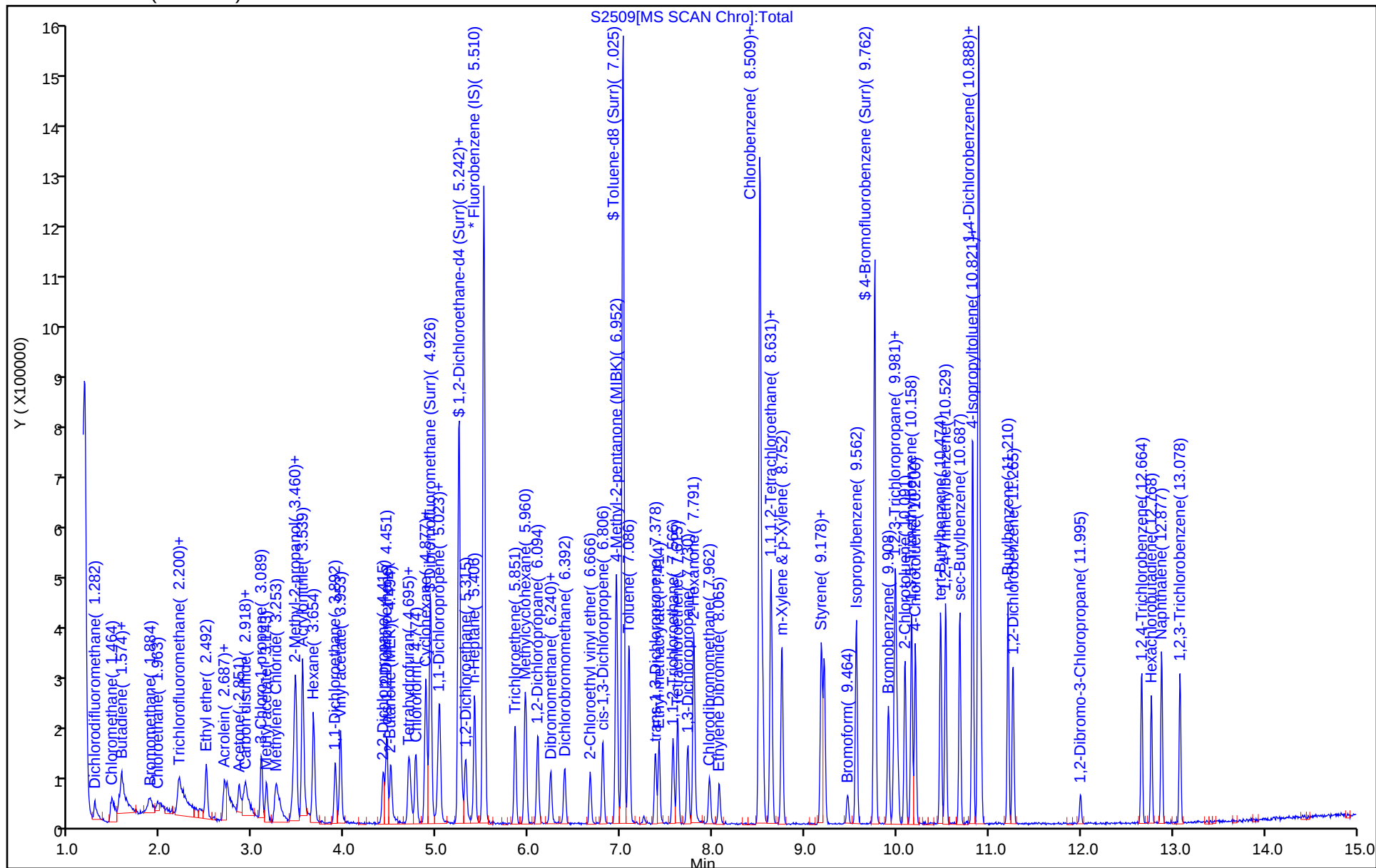
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2509.D

Injection Date: 20-Jun-2018 15:01:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

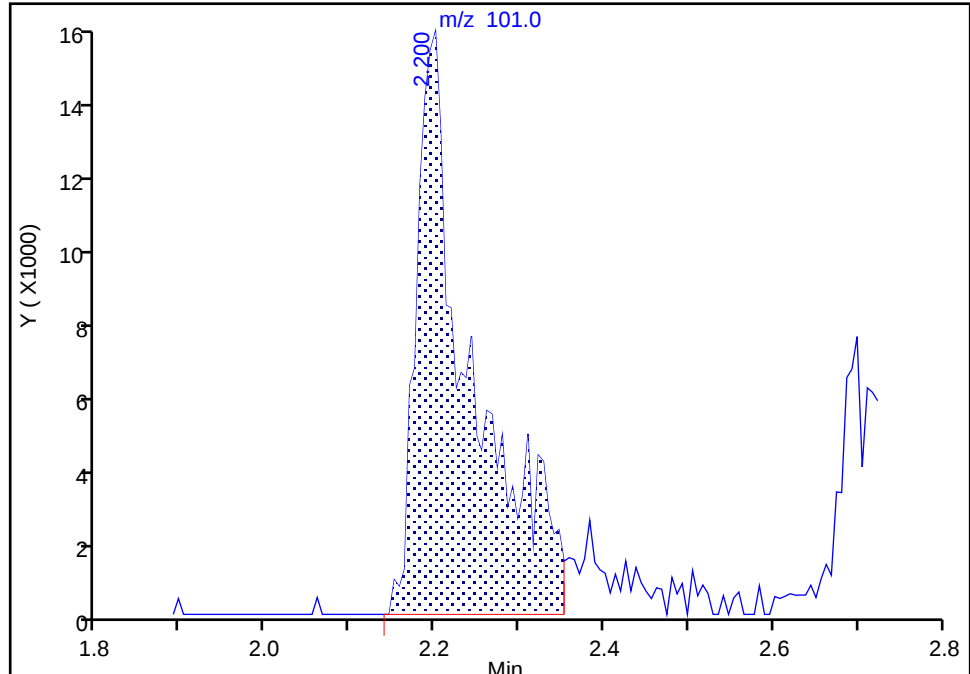
Detector: MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

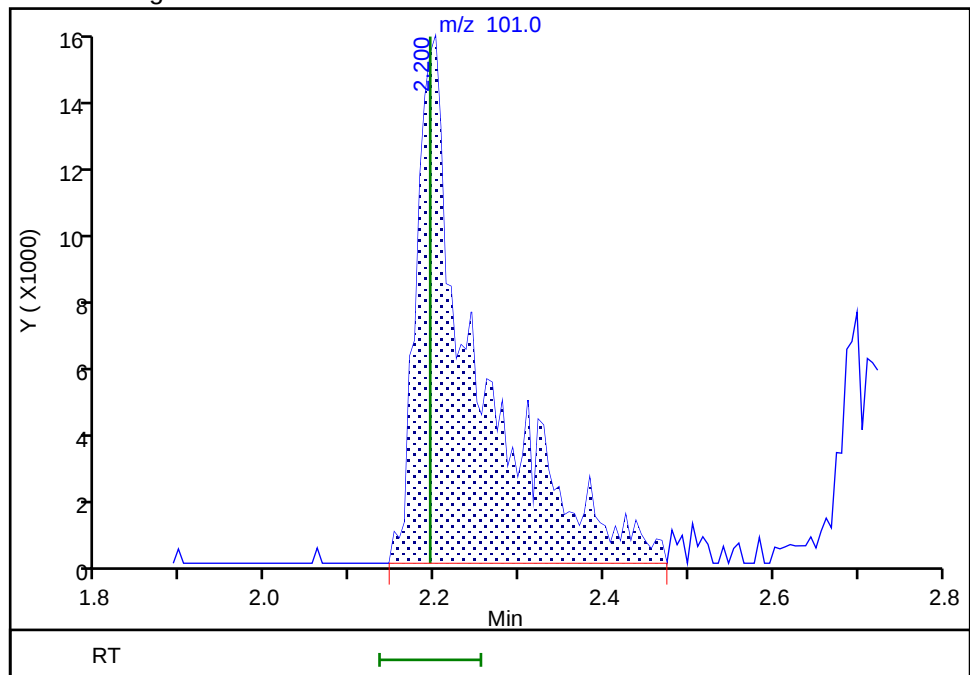
RT: 2.20
Area: 67404
Amount: 5.262149
Amount Units: ug/L

Processing Integration Results



RT: 2.20
Area: 74675
Amount: 5.943261
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:53:53

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2509.D

Injection Date: 20-Jun-2018 15:01:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

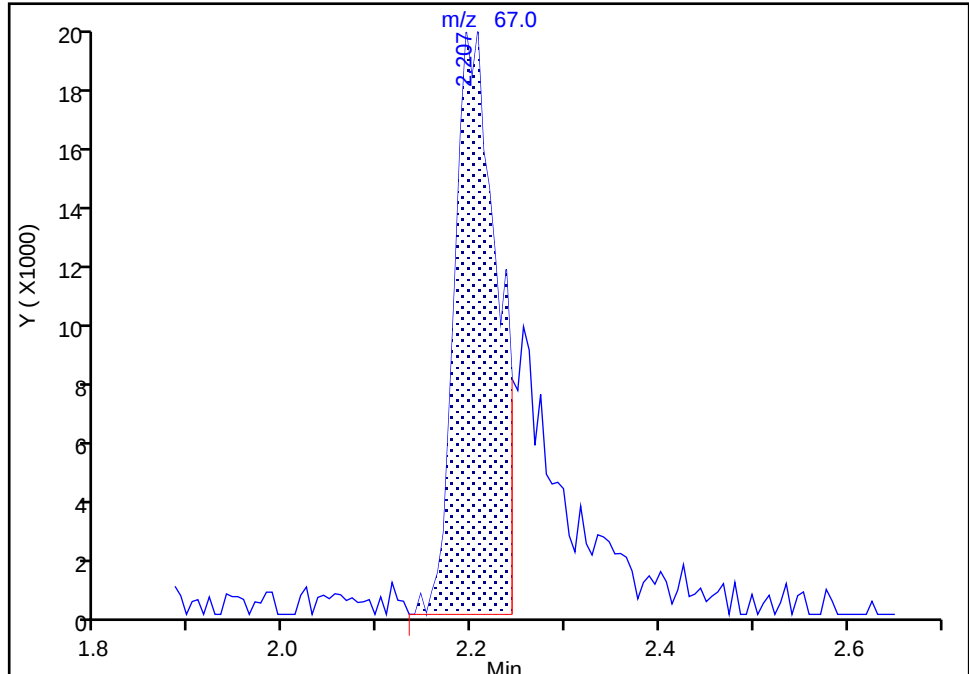
MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

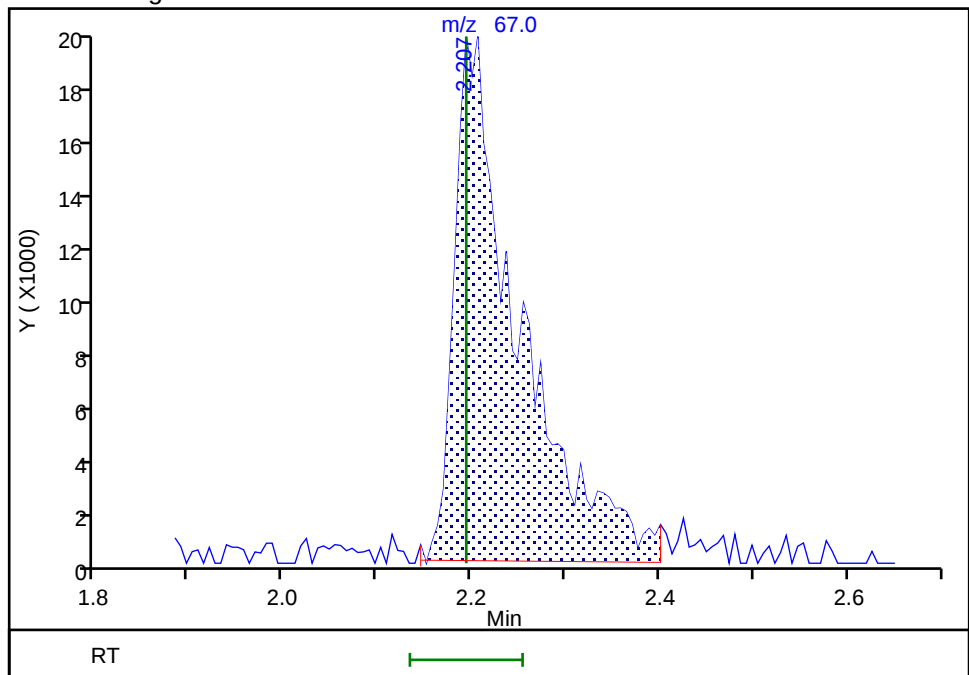
RT: 2.21
Area: 62001
Amount: 3.732710
Amount Units: ug/L

Processing Integration Results



RT: 2.21
Area: 94040
Amount: 5.348202
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:53:24

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2509.D

Injection Date: 20-Jun-2018 15:01:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

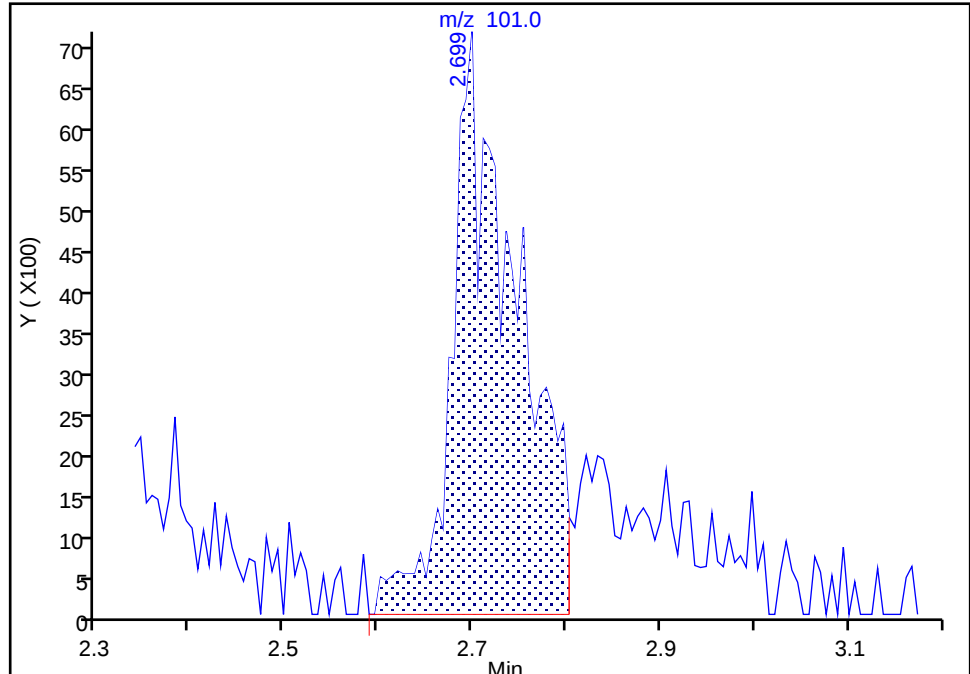
MS SCAN

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

Signal: 1

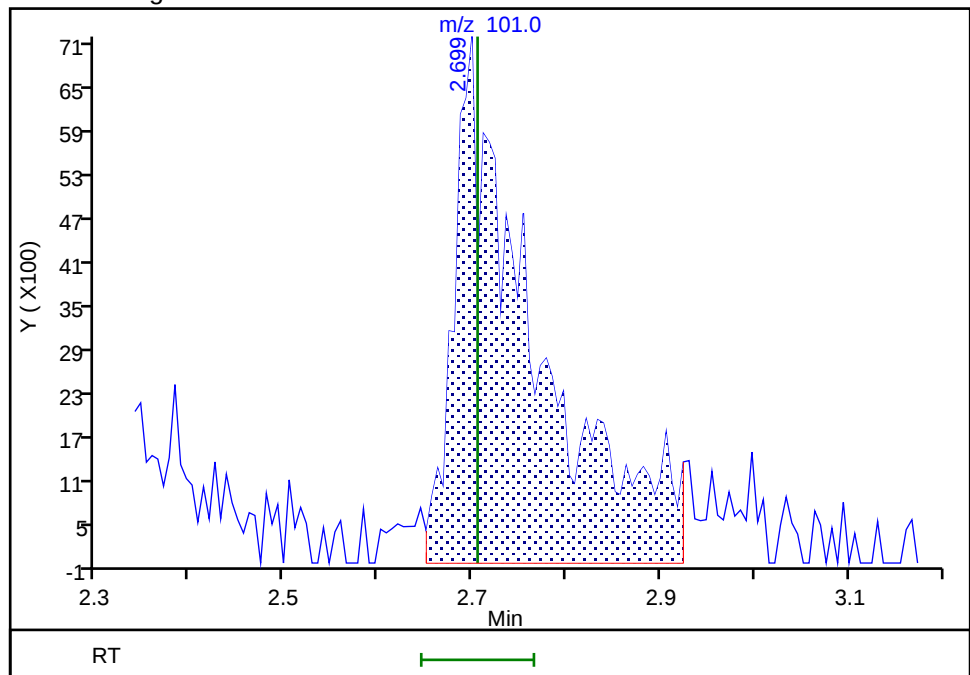
RT: 2.70
Area: 34329
Amount: 5.577335
Amount Units: ug/L

Processing Integration Results



RT: 2.70
Area: 42648
Amount: 5.877613
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:20:47

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

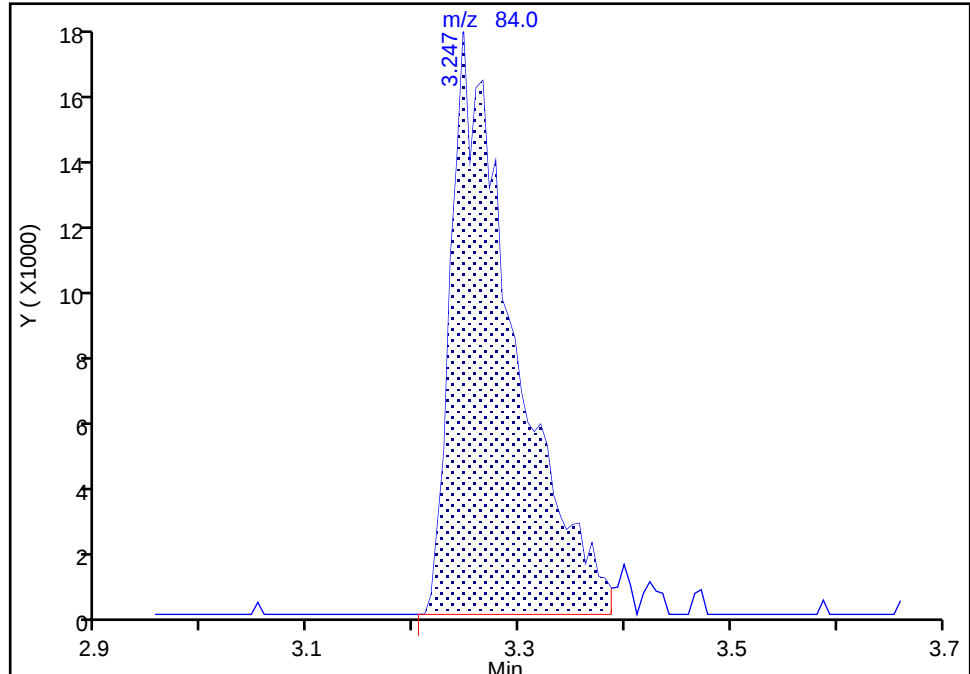
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Injection Date: 20-Jun-2018 15:01:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH/ZV ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

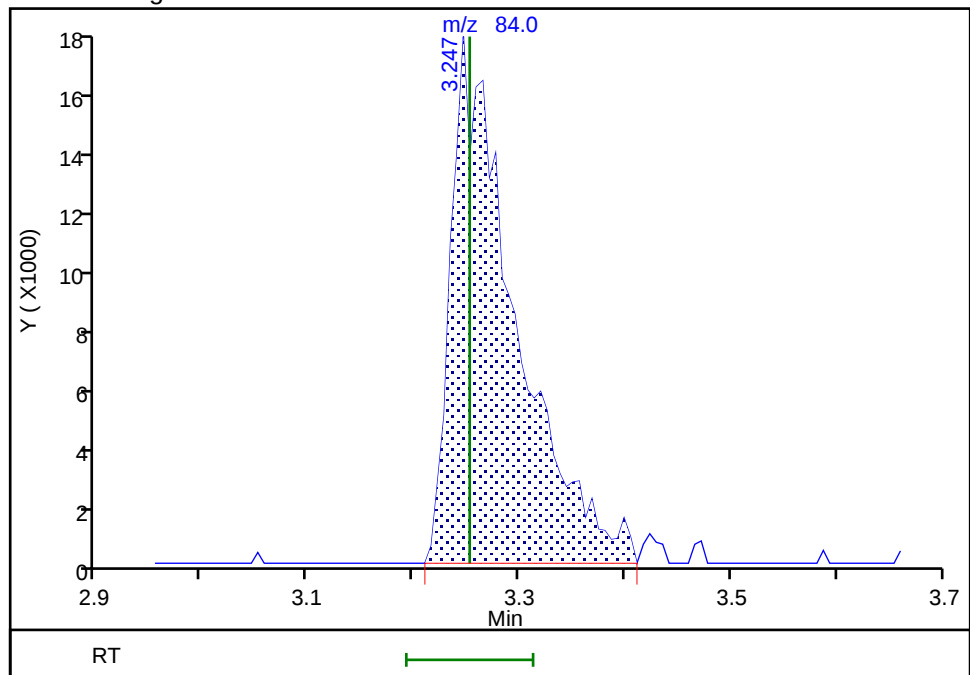
RT: 3.25
Area: 74156
Amount: 5.210539
Amount Units: ug/L

Processing Integration Results



RT: 3.25
Area: 75350
Amount: 5.299668
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:43:48
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 268 of 503

07/11/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2509.D

Injection Date: 20-Jun-2018 15:01:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

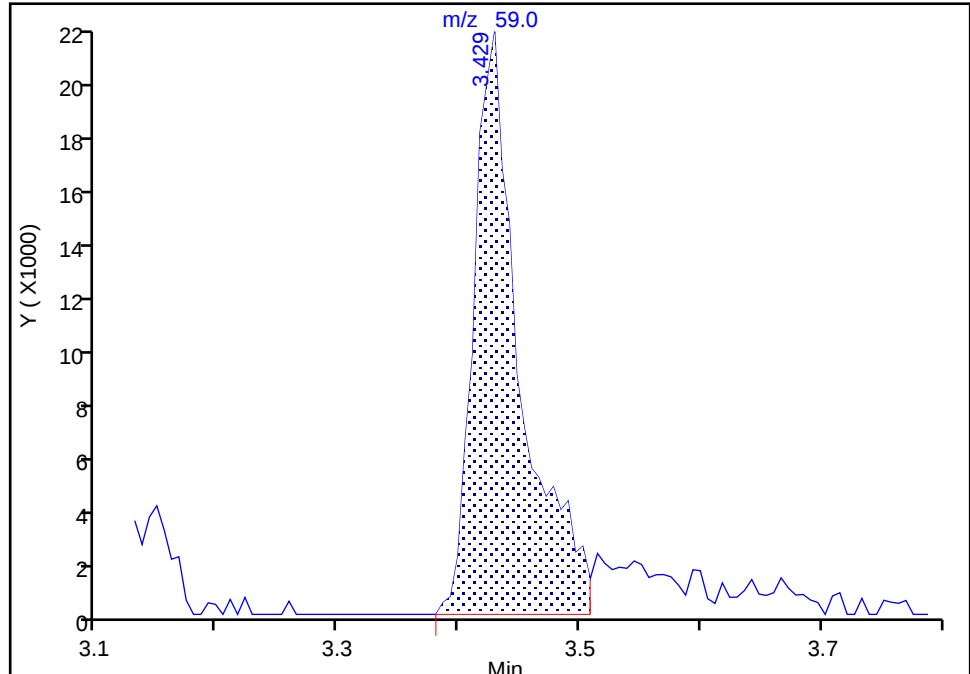
Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

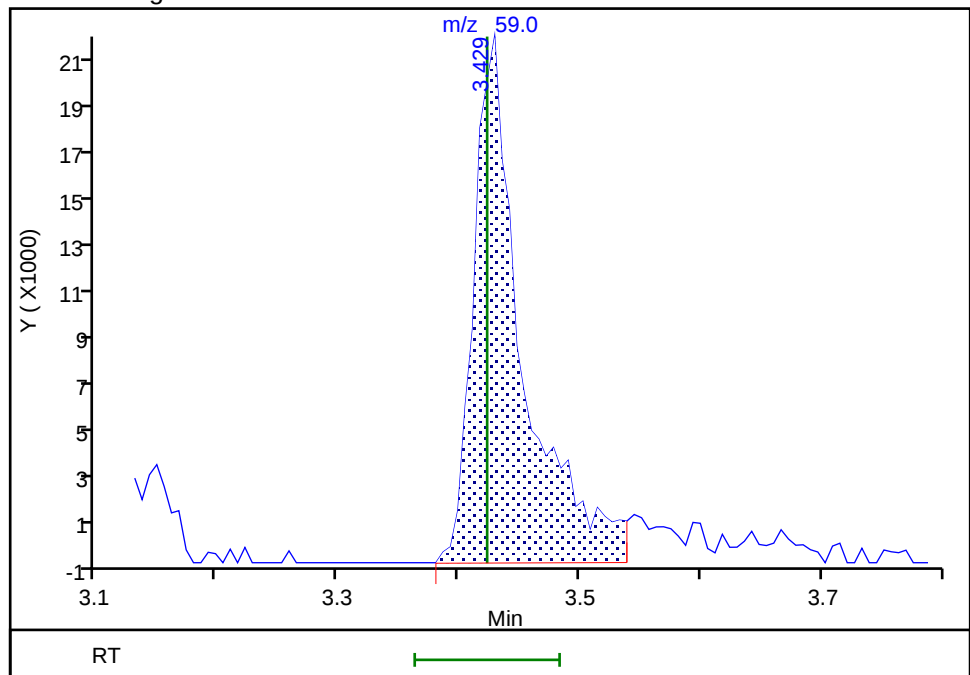
RT: 3.43
Area: 58800
Amount: 52.791577
Amount Units: ug/L

Processing Integration Results



RT: 3.43
Area: 62295
Amount: 49.026488
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:51:26

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

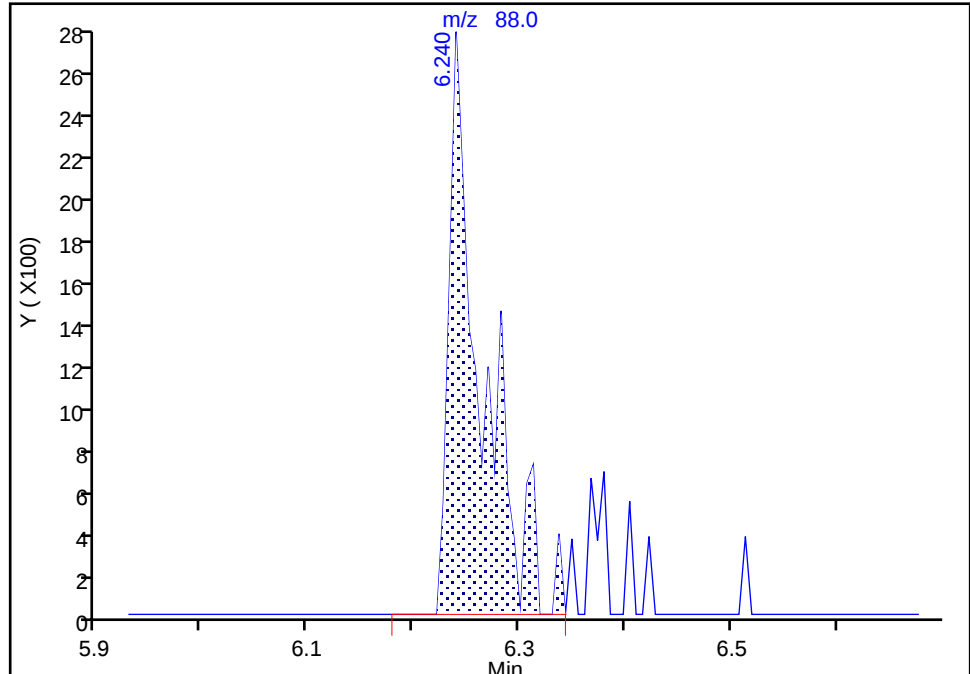
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Injection Date: 20-Jun-2018 15:01:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH/ZV ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

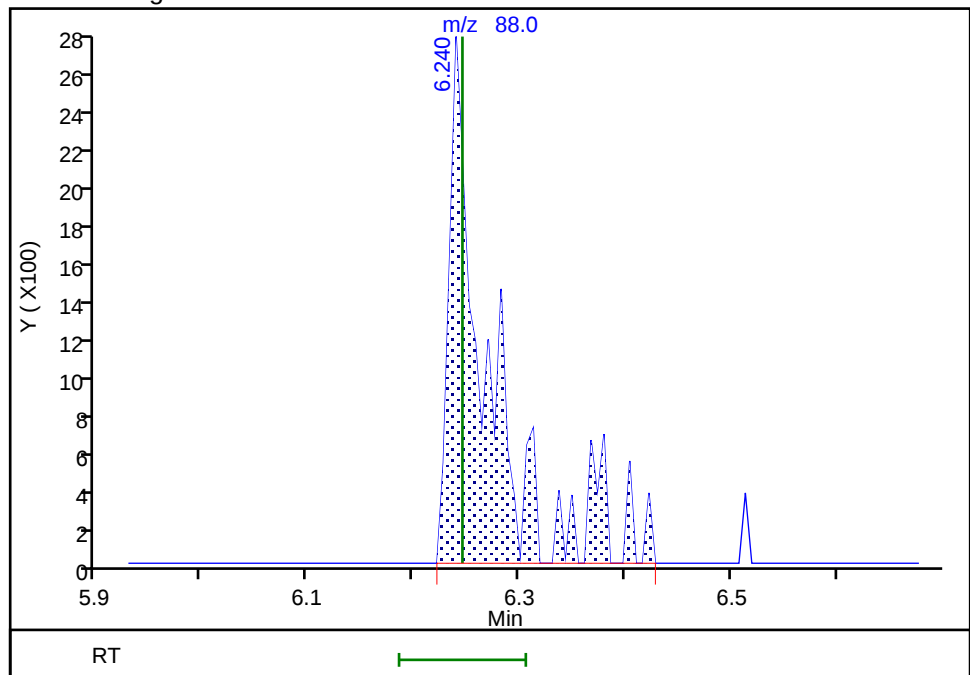
RT: 6.24
Area: 5894
Amount: 69.560976
Amount Units: ug/L

Processing Integration Results



RT: 6.24
Area: 6969
Amount: 89.712458
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:21:46
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 270 of 503

07/11/2018

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 20-Jun-2018 15:24:30 ALS Bottle#: 7 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0072482-009
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:25:56 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 19:35:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	204294	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.515	8.509	0.006	86	404541	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.894	10.888	0.006	96	369559	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	57	237971	25.0	24.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.236	5.242	-0.006	0	153221	25.0	23.9	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	91	981631	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	88	292377	25.0	24.2	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	95	100661	10.0	10.2	
12 Chloromethane	50	1.470	1.464	0.006	88	158120	10.0	10.1	
13 Vinyl chloride	62	1.549	1.549	0.000	95	135746	10.0	9.77	
151 Butadiene	54	1.580	1.574	0.006	84	141422	10.0	9.76	
14 Bromomethane	94	1.872	1.872	0.000	79	70373	10.0	9.45	
15 Chloroethane	64	1.975	1.969	0.006	82	79988	10.0	9.51	
17 Trichlorofluoromethane	101	2.206	2.194	0.012	72	122840	10.0	9.33	
16 Dichlorofluoromethane	67	2.200	2.194	0.006	94	161069	10.0	8.74	
18 Ethyl ether	59	2.498	2.492	0.006	85	119421	10.0	10.2	
20 Acrolein	56	2.687	2.687	0.000	89	106044	50.0	47.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.711	2.705	0.006	54	83709	10.0	10.7	M
22 1,1-Dichloroethene	96	2.723	2.730	-0.007	90	96639	10.0	10.7	M
23 Acetone	43	2.851	2.851	0.000	97	172269	50.0	43.8	
25 Iodomethane	142	2.888	2.894	-0.006	96	139498	10.0	10.6	
26 Carbon disulfide	76	2.918	2.918	0.000	96	285284	10.0	9.92	
28 3-Chloro-1-propene	41	3.095	3.089	0.007	86	155269	10.0	8.87	
27 Methyl acetate	43	3.149	3.143	0.006	95	190812	20.0	18.5	M
30 Methylene Chloride	84	3.253	3.253	0.000	94	127431	10.0	9.65	M
31 2-Methyl-2-propanol	59	3.429	3.423	0.006	92	137981	100.0	103.6	M
32 Methyl tert-butyl ether	73	3.453	3.454	-0.001	92	330882	10.0	9.78	
34 trans-1,2-Dichloroethene	96	3.466	3.472	-0.006	82	105184	10.0	10.2	
33 Acrylonitrile	53	3.539	3.539	0.000	100	554059	100.0	101.0	
35 Hexane	57	3.660	3.660	0.000	84	187621	10.0	9.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.898	3.892	0.006	97	221389	10.0	10.2	
37 Vinyl acetate	43	3.952	3.952	0.000	97	522220	20.0	20.8	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	91	117878	10.0	9.78	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	79	125542	10.0	10.6	
43 2-Butanone (MEK)	43	4.500	4.494	0.006	94	291158	50.0	48.2	
48 Chlorobromomethane	128	4.695	4.695	0.000	94	56519	10.0	9.97	
49 Tetrahydrofuran	42	4.713	4.713	0.000	85	78819	20.0	19.0	
50 Chloroform	83	4.774	4.774	0.000	93	185827	10.0	9.79	
51 1,1,1-Trichloroethane	97	4.877	4.877	0.000	88	136975	10.0	9.68	
52 Cyclohexane	56	4.877	4.883	-0.006	89	192312	10.0	10.1	M
55 Carbon tetrachloride	117	5.017	5.011	0.006	89	116898	10.0	9.86	
54 1,1-Dichloropropene	75	5.035	5.029	0.006	95	138232	10.0	9.59	
57 Benzene	78	5.242	5.236	0.006	92	434302	10.0	10.0	
53 Isobutyl alcohol	43	5.272	5.266	0.006	93	139911	250.0	249.6	
58 1,2-Dichloroethane	62	5.309	5.315	-0.006	76	175124	10.0	10.0	
59 n-Heptane	43	5.412	5.412	0.000	89	170684	10.0	9.64	
62 Trichloroethene	95	5.850	5.850	0.000	95	111214	10.0	9.95	
64 Methylcyclohexane	83	5.960	5.960	0.000	94	172282	10.0	10.1	
65 1,2-Dichloropropane	63	6.100	6.094	0.006	96	133728	10.0	10.2	
67 Dibromomethane	93	6.234	6.234	0.000	92	73081	10.0	10.7	
66 1,4-Dioxane	88	6.240	6.246	-0.006	11	18780	200.0	217.6	M
68 Dichlorobromomethane	83	6.386	6.386	0.000	96	133887	10.0	10.2	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	86	88719	10.0	10.2	
72 cis-1,3-Dichloropropene	75	6.799	6.806	-0.007	88	174306	10.0	10.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	94	670794	50.0	51.9	
74 Toluene	92	7.091	7.085	0.006	88	273964	10.0	10.2	
77 trans-1,3-Dichloropropene	75	7.371	7.377	-0.006	96	157325	10.0	10.6	
75 Ethyl methacrylate	69	7.414	7.414	0.000	87	153587	10.0	10.6	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	90	81284	10.0	10.0	
81 Tetrachloroethene	166	7.621	7.615	0.006	75	114249	10.0	10.1	
82 1,3-Dichloropropane	76	7.724	7.730	-0.006	92	178659	10.0	10.5	
80 2-Hexanone	43	7.791	7.791	0.000	91	493778	50.0	51.9	
83 Chlorodibromomethane	129	7.961	7.961	0.000	86	97396	10.0	10.6	
84 Ethylene Dibromide	107	8.071	8.071	0.000	98	104411	10.0	10.2	
87 Chlorobenzene	112	8.539	8.539	0.000	92	300247	10.0	10.2	
88 Ethylbenzene	91	8.631	8.631	0.000	99	505219	10.0	10.4	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	56	101180	10.0	10.6	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	193403	10.0	9.81	
91 o-Xylene	106	9.178	9.178	0.000	97	196385	10.0	10.5	
92 Styrene	104	9.215	9.209	0.006	93	331254	10.0	10.3	
95 Bromoform	173	9.464	9.464	0.000	93	60675	10.0	10.3	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	487020	10.0	10.5	
101 Bromobenzene	156	9.908	9.908	0.000	95	123511	10.0	10.5	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	73	132068	10.0	10.4	
99 N-Propylbenzene	91	9.987	9.987	0.000	99	572209	10.0	10.6	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	68	44716	10.0	10.7	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	75	40802	10.0	9.41	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	115644	10.0	9.95	
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	95	432135	10.0	10.7	
105 4-Chlorotoluene	126	10.200	10.200	0.000	81	123635	10.0	10.4	
106 tert-Butylbenzene	134	10.474	10.474	0.000	91	90461	10.0	10.5	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	54	441006	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	93	506385	10.0	10.4	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	74	236904	10.0	10.3	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	95	450095	10.0	10.8	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	92	242101	10.0	10.4	
115 n-Butylbenzene	91	11.210	11.210	0.000	96	394458	10.0	10.5	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	92	241629	10.0	10.7	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	69	24435	10.0	9.95	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	93	165528	10.0	10.3	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	92	77538	10.0	10.1	
121 Naphthalene	128	12.877	12.877	0.000	97	468207	10.0	10.7	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	96	161462	10.0	10.9	
S 123 Total BTEX	1				0			50.9	
S 125 1,2-Dichloroethene, Total	1				0			20.8	
S 124 Xylenes, Total	1				0			20.3	
S 126 1,3-Dichloropropene, Total	1				0			21.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 5.00

Units: uL

GAS CORP mix_00287

Amount Added: 5.00

Units: uL

S_8260_IS_00293

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00274

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2510.D

Injection Date: 20-Jun-2018 15:24:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: IC 4

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

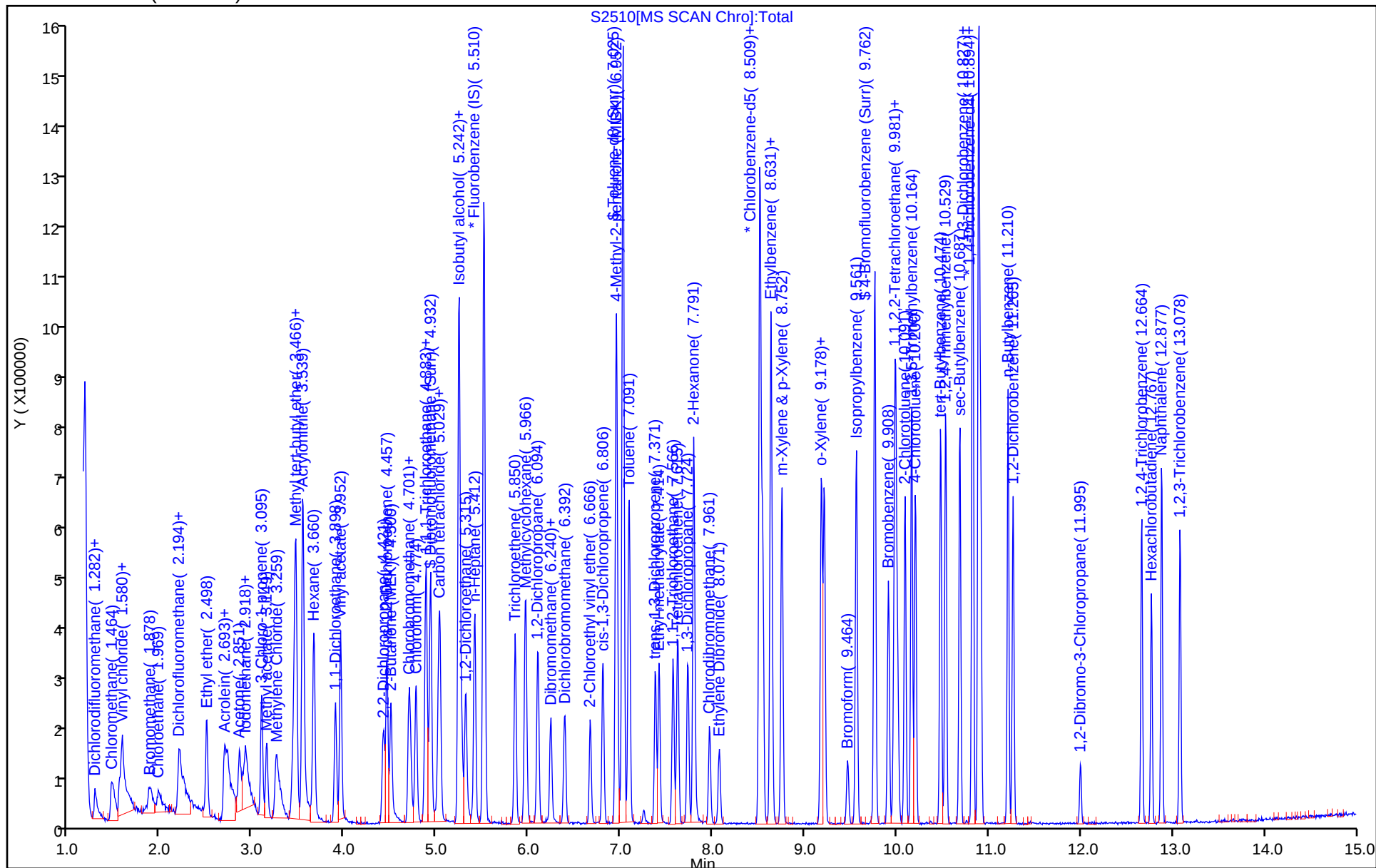
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D

Injection Date: 20-Jun-2018 15:24:30

Instrument ID: HP5973S

Lims ID: IC 4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

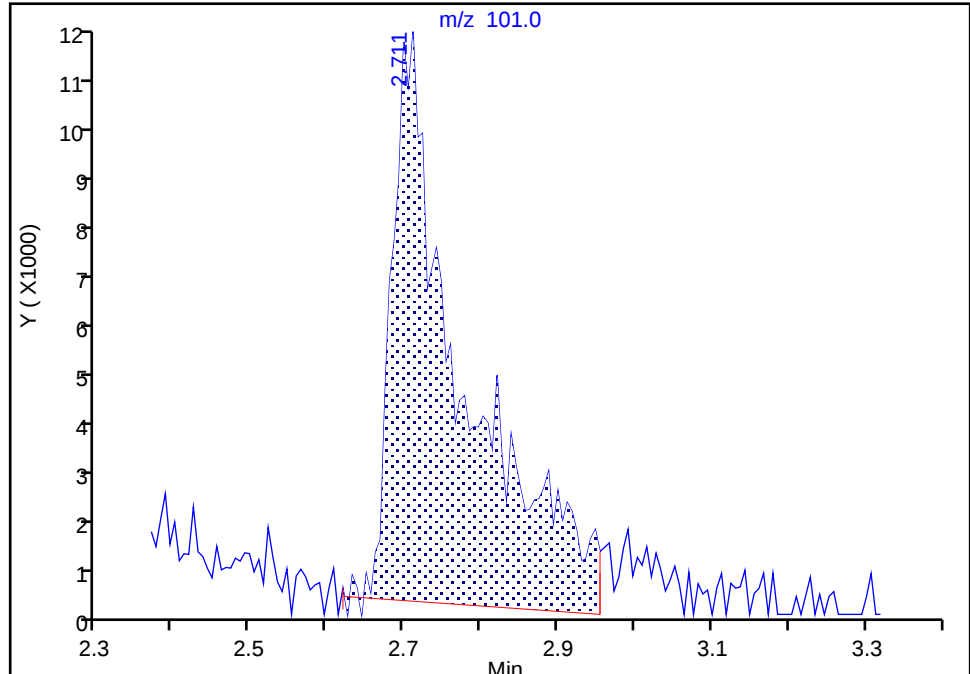
MS SCAN

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

Signal: 1

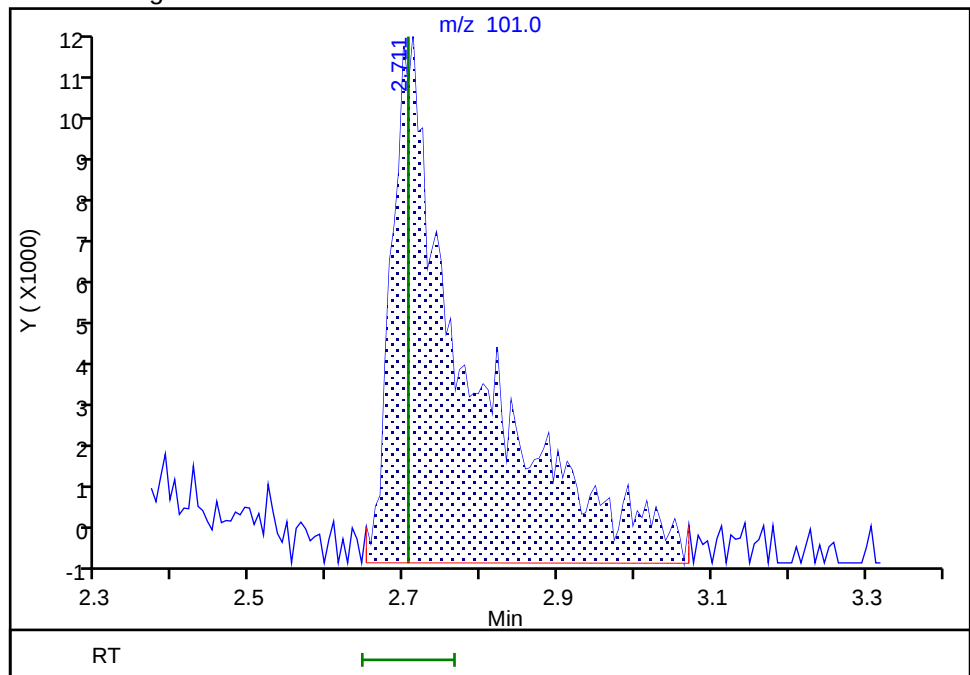
RT: 2.71
Area: 74021
Amount: 9.501471
Amount Units: ug/L

Processing Integration Results



RT: 2.71
Area: 83709
Amount: 10.683331
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:22:39

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D

Injection Date: 20-Jun-2018 15:24:30

Instrument ID: HP5973S

Lims ID: IC 4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

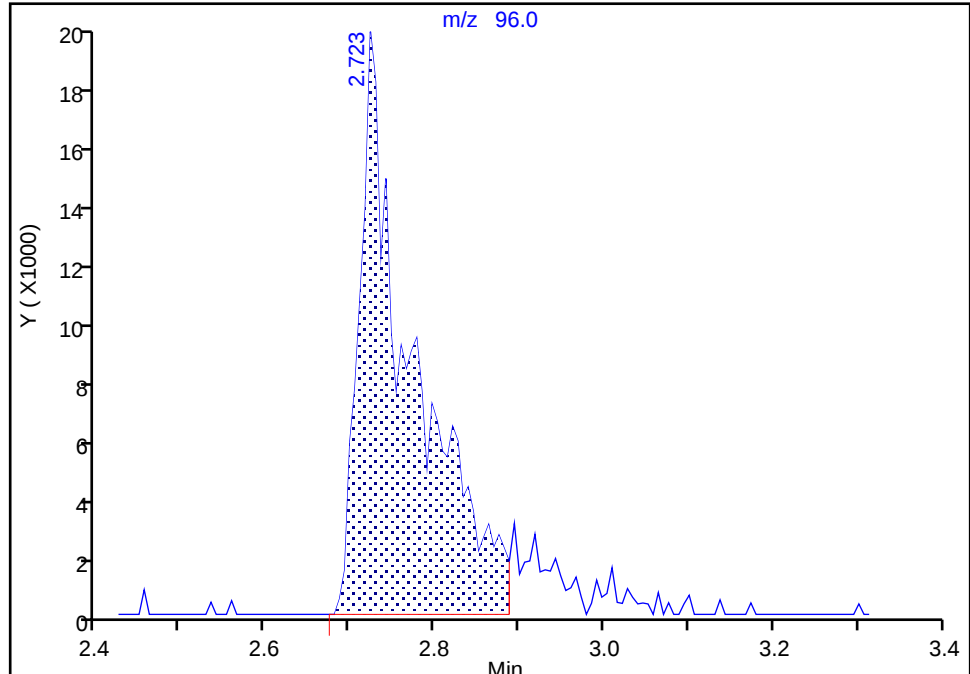
Detector: MS SCAN

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

Signal: 1

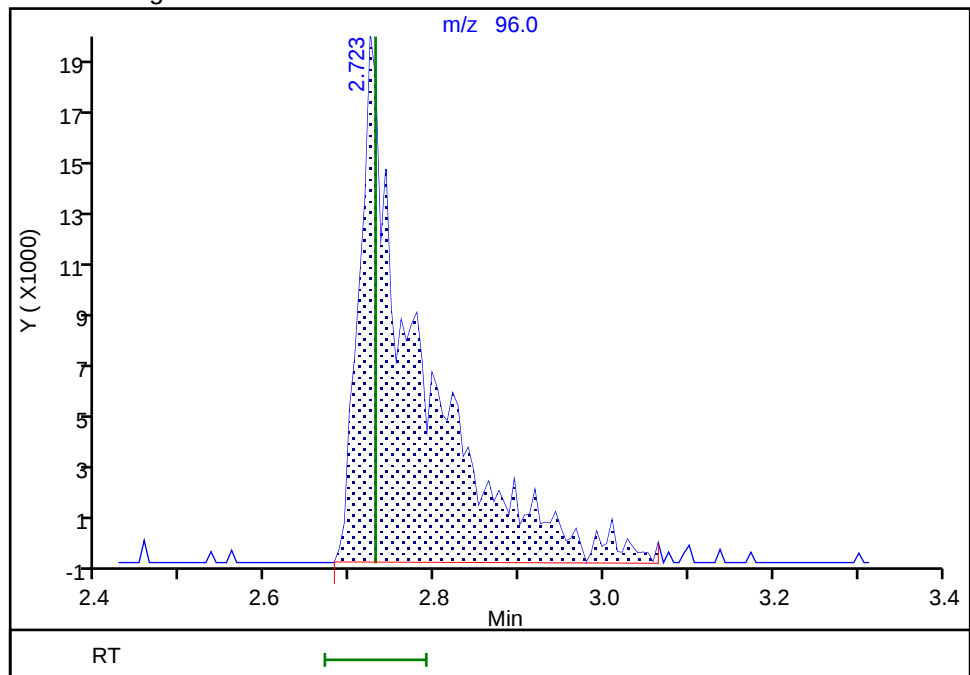
RT: 2.72
Area: 85549
Amount: 10.295861
Amount Units: ug/L

Processing Integration Results



RT: 2.72
Area: 96639
Amount: 10.709001
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 23:19:06

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

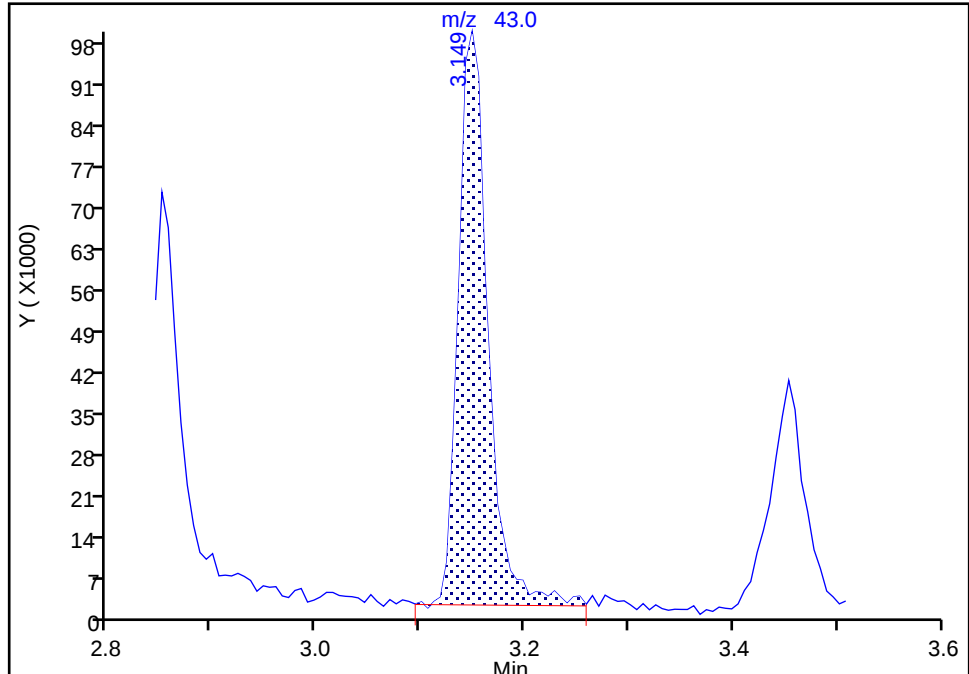
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Injection Date: 20-Jun-2018 15:24:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

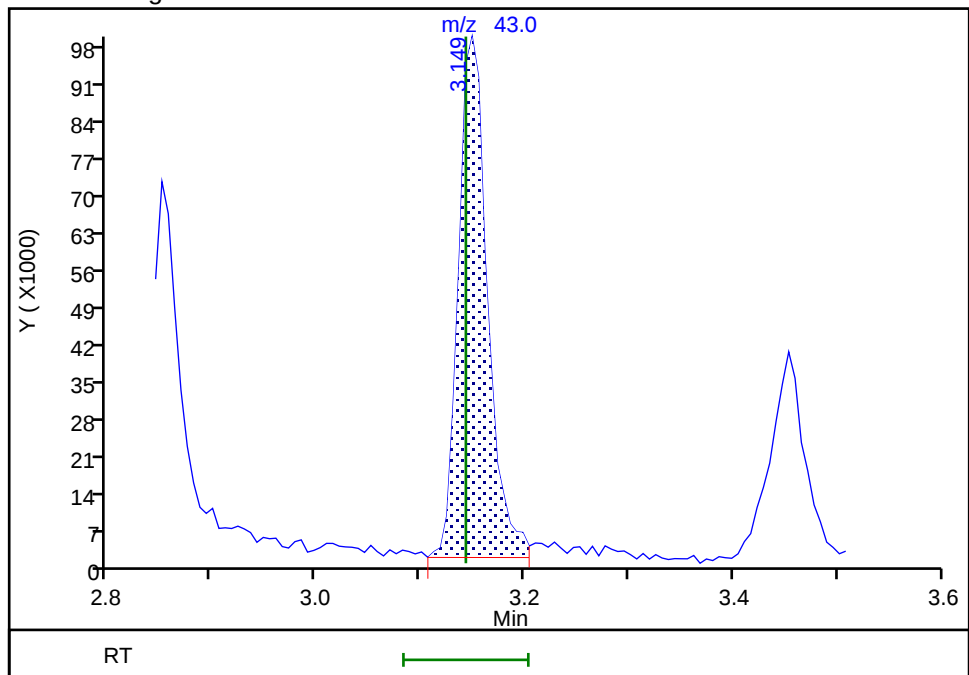
RT: 3.15
Area: 192902
Amount: 18.670750
Amount Units: ug/L

Processing Integration Results



RT: 3.15
Area: 190812
Amount: 18.491841
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:29:54
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

TestAmerica Buffalo

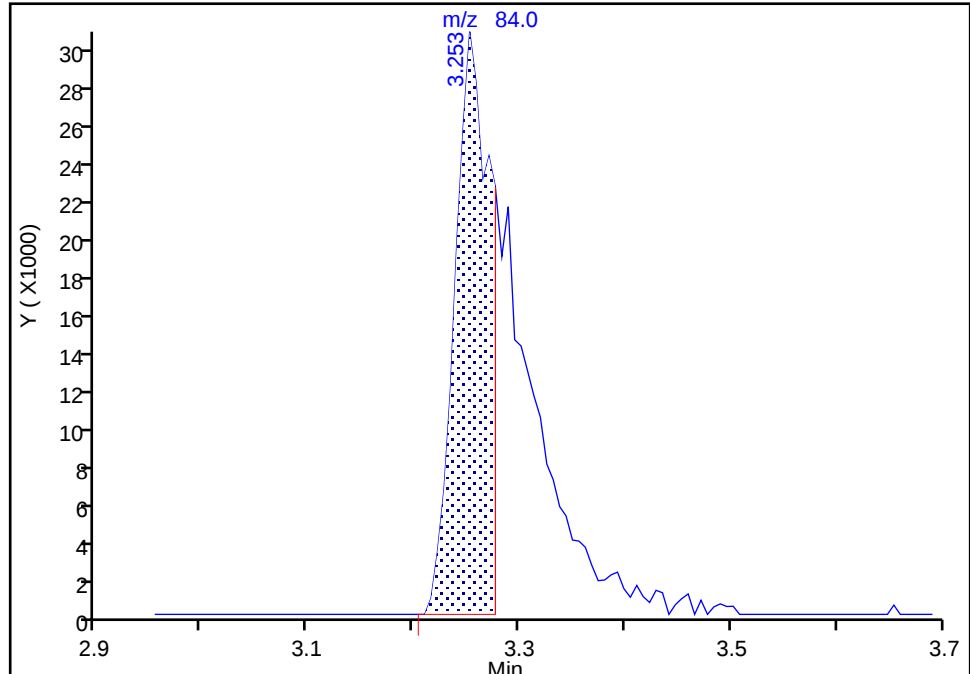
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D
Injection Date: 20-Jun-2018 15:24:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

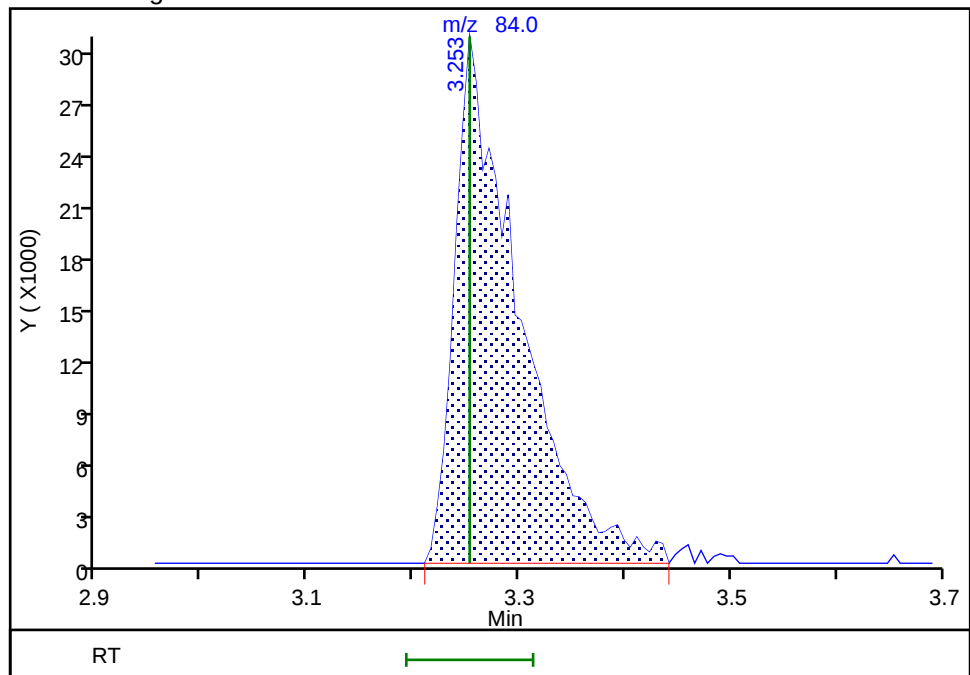
RT: 3.25
Area: 70355
Amount: 3.535941
Amount Units: ug/L

Processing Integration Results



RT: 3.25
Area: 127431
Amount: 9.654141
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:43:27

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D

Injection Date: 20-Jun-2018 15:24:30

Instrument ID: HP5973S

Lims ID: IC 4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

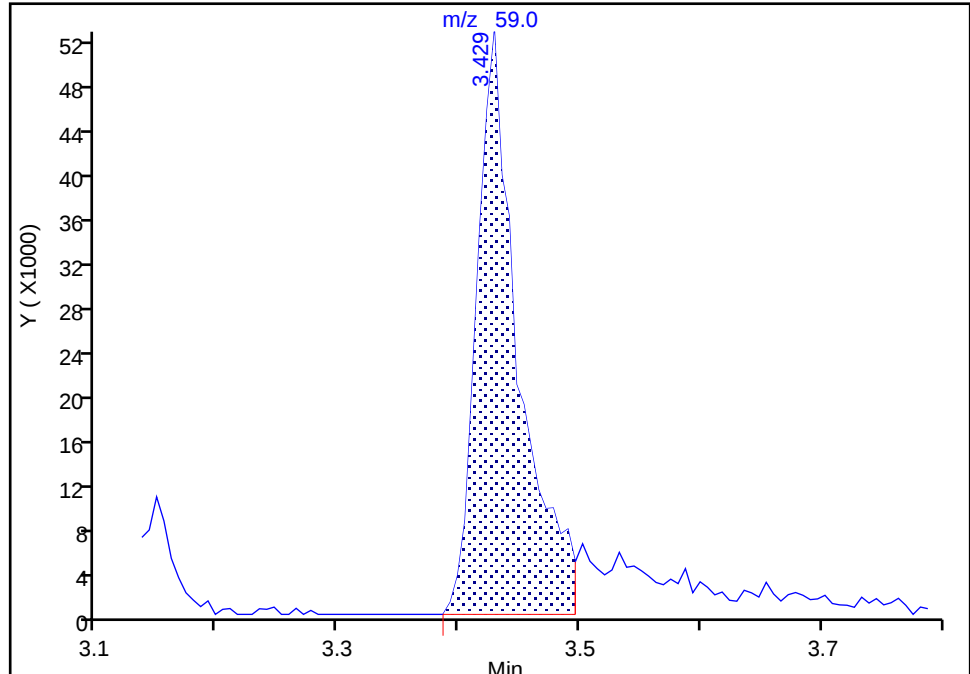
MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

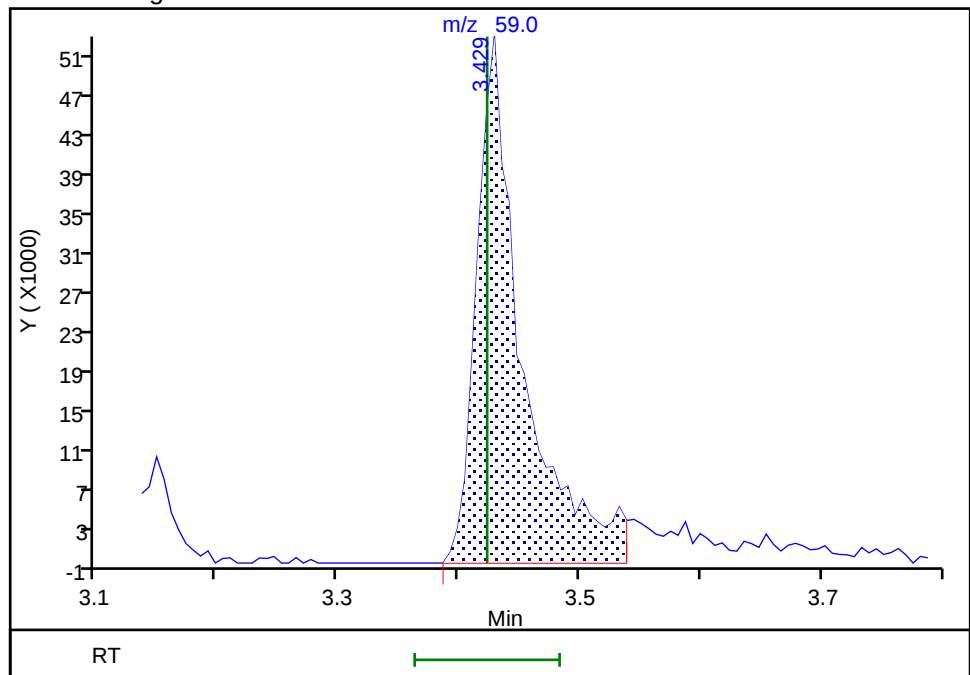
RT: 3.43
Area: 125953
Amount: 105.2771
Amount Units: ug/L

Processing Integration Results



RT: 3.43
Area: 137981
Amount: 103.6085
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:50:37

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

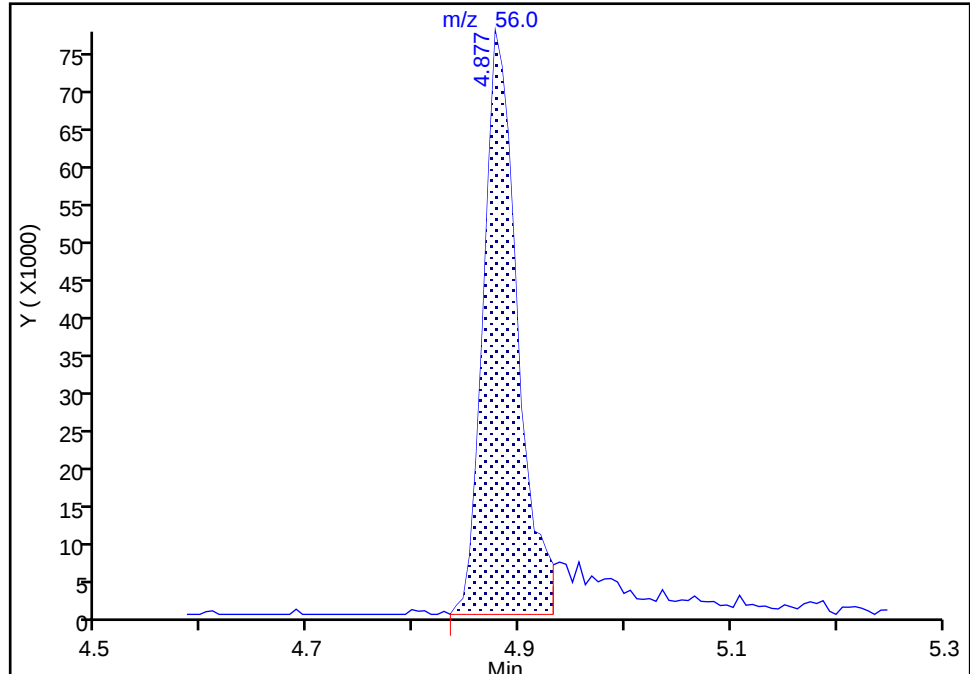
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Injection Date: 20-Jun-2018 15:24:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

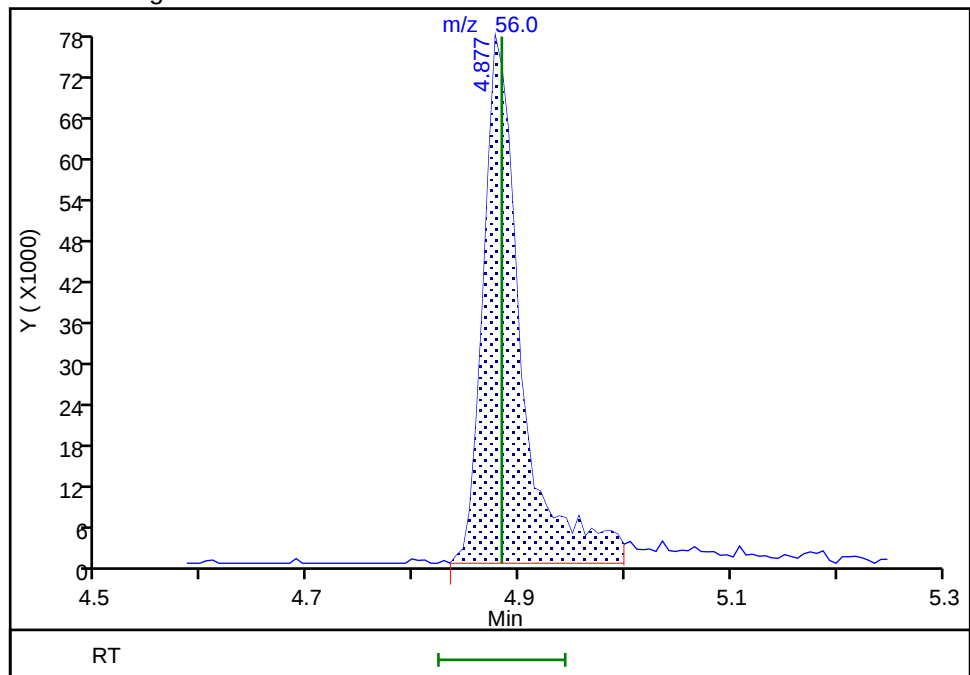
RT: 4.88
Area: 172484
Amount: 9.184054
Amount Units: ug/L

Processing Integration Results



RT: 4.88
Area: 192312
Amount: 10.106438
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:30:39

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D

Injection Date: 20-Jun-2018 15:24:30

Instrument ID: HP5973S

Lims ID: IC 4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

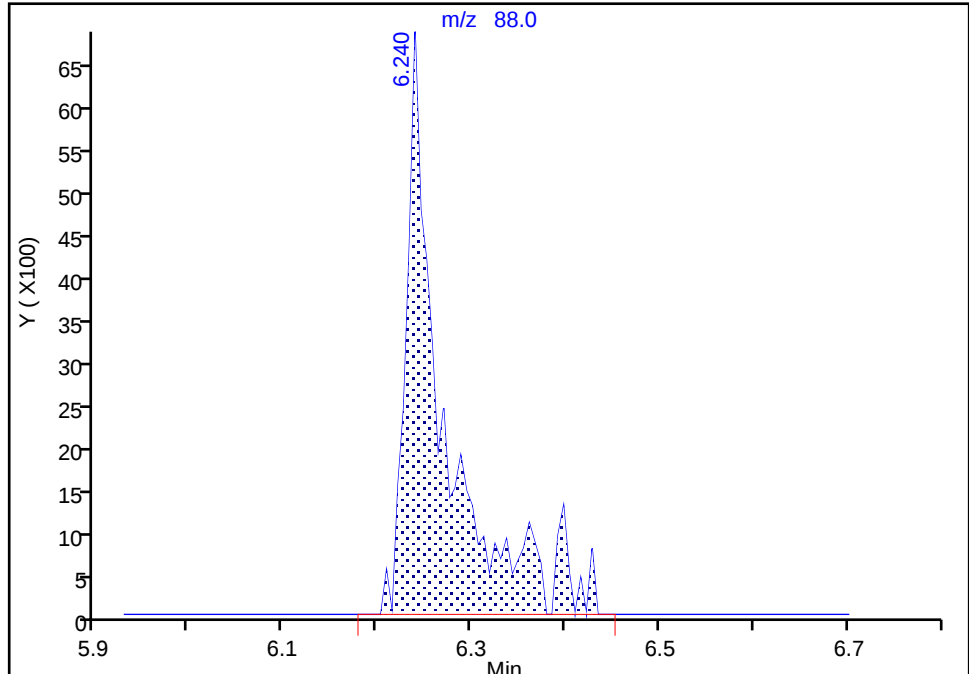
MS SCAN

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

Signal: 1

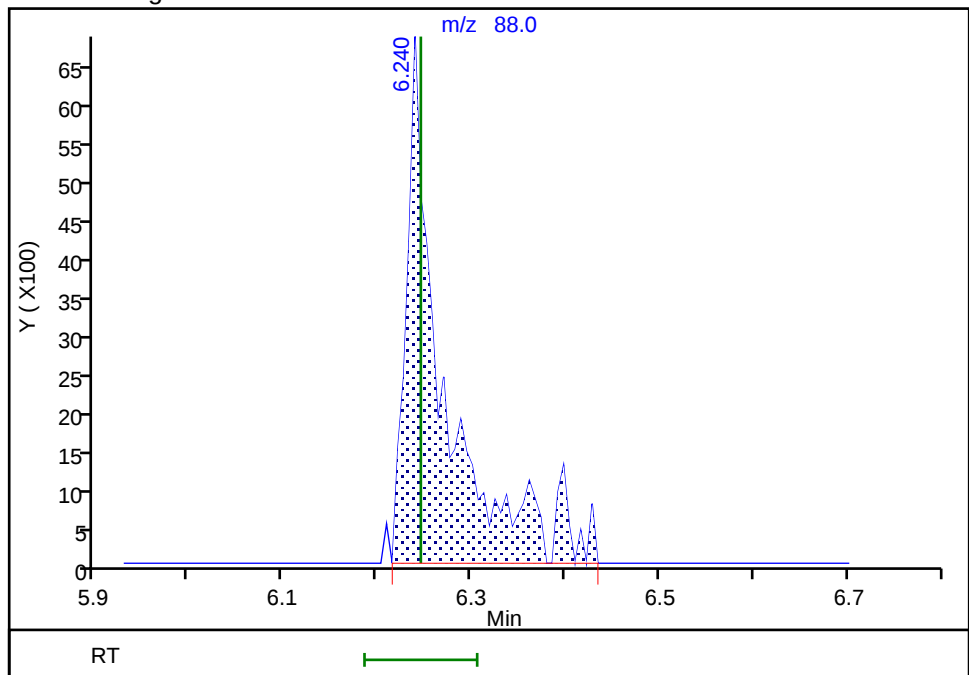
RT: 6.24
Area: 18966
Amount: 219.4414
Amount Units: ug/L

Processing Integration Results



RT: 6.24
Area: 18780
Amount: 217.5811
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:31:28

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2511.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 20-Jun-2018 15:48:30 ALS Bottle#: 8 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0072482-010
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:26:00 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 20:39:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	197139	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	88	406209	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	56	365129	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.926	4.926	0.000	58	233776	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	0	156084	25.0	25.3	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	91	970258	25.0	24.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	303043	25.0	24.9	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	97	248186	25.0	26.1	
12 Chloromethane	50	1.464	1.464	0.000	97	380591	25.0	25.2	
13 Vinyl chloride	62	1.549	1.549	0.000	63	333324	25.0	24.9	
151 Butadiene	54	1.574	1.574	0.000	56	325163	25.0	23.2	
14 Bromomethane	94	1.872	1.872	0.000	89	172433	25.0	24.0	
15 Chloroethane	64	1.969	1.969	0.000	97	204270	25.0	25.2	
16 Dichlorofluoromethane	67	2.194	2.194	0.000	95	412155	25.0	23.2	
17 Trichlorofluoromethane	101	2.194	2.194	0.000	76	332653	25.0	26.2	
18 Ethyl ether	59	2.492	2.492	0.000	92	290892	25.0	25.7	
20 Acrolein	56	2.687	2.687	0.000	95	284078	125.0	131.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.705	2.705	0.000	68	184140	25.0	23.9	
22 1,1-Dichloroethene	96	2.730	2.730	0.000	90	229631	25.0	26.4	
23 Acetone	43	2.851	2.851	0.000	100	412424	125.0	108.7	
25 Iodomethane	142	2.894	2.894	0.000	98	347195	25.0	27.3	
26 Carbon disulfide	76	2.918	2.918	0.000	98	700429	25.0	25.2	
28 3-Chloro-1-propene	41	3.089	3.089	0.000	88	413143	25.0	24.5	
27 Methyl acetate	43	3.143	3.143	0.000	95	441430	50.0	44.3	
30 Methylene Chloride	84	3.253	3.253	0.000	97	284846	25.0	24.7	
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	95	307003	250.0	238.9	M
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	92	832097	25.0	25.5	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	95	255195	25.0	25.6	
33 Acrylonitrile	53	3.539	3.539	0.000	98	1323936	250.0	250.1	
35 Hexane	57	3.660	3.660	0.000	84	446557	25.0	24.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.892	3.892	0.000	96	523385	25.0	24.9	
37 Vinyl acetate	43	3.952	3.952	0.000	97	1230989	50.0	50.9	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	91	297960	25.0	25.6	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	83	298747	25.0	26.1	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	94	717854	125.0	123.3	
48 Chlorobromomethane	128	4.695	4.695	0.000	96	146527	25.0	26.8	
49 Tetrahydrofuran	42	4.713	4.713	0.000	93	202767	50.0	50.7	
50 Chloroform	83	4.774	4.774	0.000	93	443774	25.0	24.2	
51 1,1,1-Trichloroethane	97	4.877	4.877	0.000	94	345970	25.0	25.3	
52 Cyclohexane	56	4.883	4.883	0.000	89	482758	25.0	26.3	
55 Carbon tetrachloride	117	5.011	5.011	0.000	89	300091	25.0	26.2	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	93	338452	25.0	24.3	
57 Benzene	78	5.236	5.236	0.000	96	1062500	25.0	25.4	
53 Isobutyl alcohol	43	5.266	5.266	0.000	94	329152	625.0	608.4	
58 1,2-Dichloroethane	62	5.315	5.315	0.000	79	415950	25.0	24.6	
59 n-Heptane	43	5.412	5.412	0.000	91	415475	25.0	24.3	
62 Trichloroethene	95	5.850	5.850	0.000	97	271489	25.0	25.2	
64 Methylcyclohexane	83	5.960	5.960	0.000	94	424498	25.0	25.8	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	95	311720	25.0	24.7	
67 Dibromomethane	93	6.234	6.234	0.000	94	168616	25.0	25.6	
66 1,4-Dioxane	88	6.246	6.246	0.000	29	46908	500.0	521.5	
68 Dichlorobromomethane	83	6.386	6.386	0.000	98	344167	25.0	27.1	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	88	225325	25.0	26.8	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	89	423733	25.0	26.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	94	1601823	125.0	123.5	
74 Toluene	92	7.085	7.085	0.000	94	659595	25.0	24.4	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	93	391909	25.0	26.3	
75 Ethyl methacrylate	69	7.414	7.414	0.000	87	383401	25.0	26.3	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	93	202209	25.0	24.9	
81 Tetrachloroethene	166	7.615	7.615	0.000	85	279490	25.0	24.5	
82 1,3-Dichloropropane	76	7.730	7.730	0.000	94	425777	25.0	24.8	
80 2-Hexanone	43	7.791	7.791	0.000	90	1170919	125.0	122.7	
83 Chlorodibromomethane	129	7.961	7.961	0.000	90	247163	25.0	26.7	
84 Ethylene Dibromide	107	8.071	8.071	0.000	97	252512	25.0	24.6	
87 Chlorobenzene	112	8.539	8.539	0.000	93	730835	25.0	24.7	
88 Ethylbenzene	91	8.631	8.631	0.000	99	1214363	25.0	25.0	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	57	246580	25.0	25.8	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	469623	25.0	23.7	
91 o-Xylene	106	9.178	9.178	0.000	97	471745	25.0	25.1	
92 Styrene	104	9.209	9.209	0.000	92	821536	25.0	25.5	
95 Bromoform	173	9.464	9.464	0.000	95	156408	25.0	26.5	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	1180615	25.0	25.6	
101 Bromobenzene	156	9.908	9.908	0.000	97	304349	25.0	26.1	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	72	315135	25.0	25.2	
99 N-Propylbenzene	91	9.987	9.987	0.000	98	1379737	25.0	25.9	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	70	107926	25.0	26.2	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	80	114077	25.0	25.6	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	288633	25.0	25.1	
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	83	1006297	25.0	25.2	
105 4-Chlorotoluene	126	10.200	10.200	0.000	96	309390	25.0	26.3	
106 tert-Butylbenzene	134	10.474	10.474	0.000	93	228134	25.0	26.8	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	76	1069434	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	94	1239742	25.0	25.9	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	96	1092636	25.0	26.5	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	73	573712	25.0	25.4	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	93	581426	25.0	25.2	
115 n-Butylbenzene	91	11.210	11.210	0.000	97	994221	25.0	26.8	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	93	559407	25.0	25.1	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	76	66108	25.0	27.2	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	92	411331	25.0	26.0	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	96	195098	25.0	25.8	
121 Naphthalene	128	12.877	12.877	0.000	97	1171879	25.0	27.1	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	94	393148	25.0	26.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00287	Amount Added: 12.50	Units: uL	
S_8260_IS_00293	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00274	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2511.D

Injection Date: 20-Jun-2018 15:48:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: ICIS 5

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

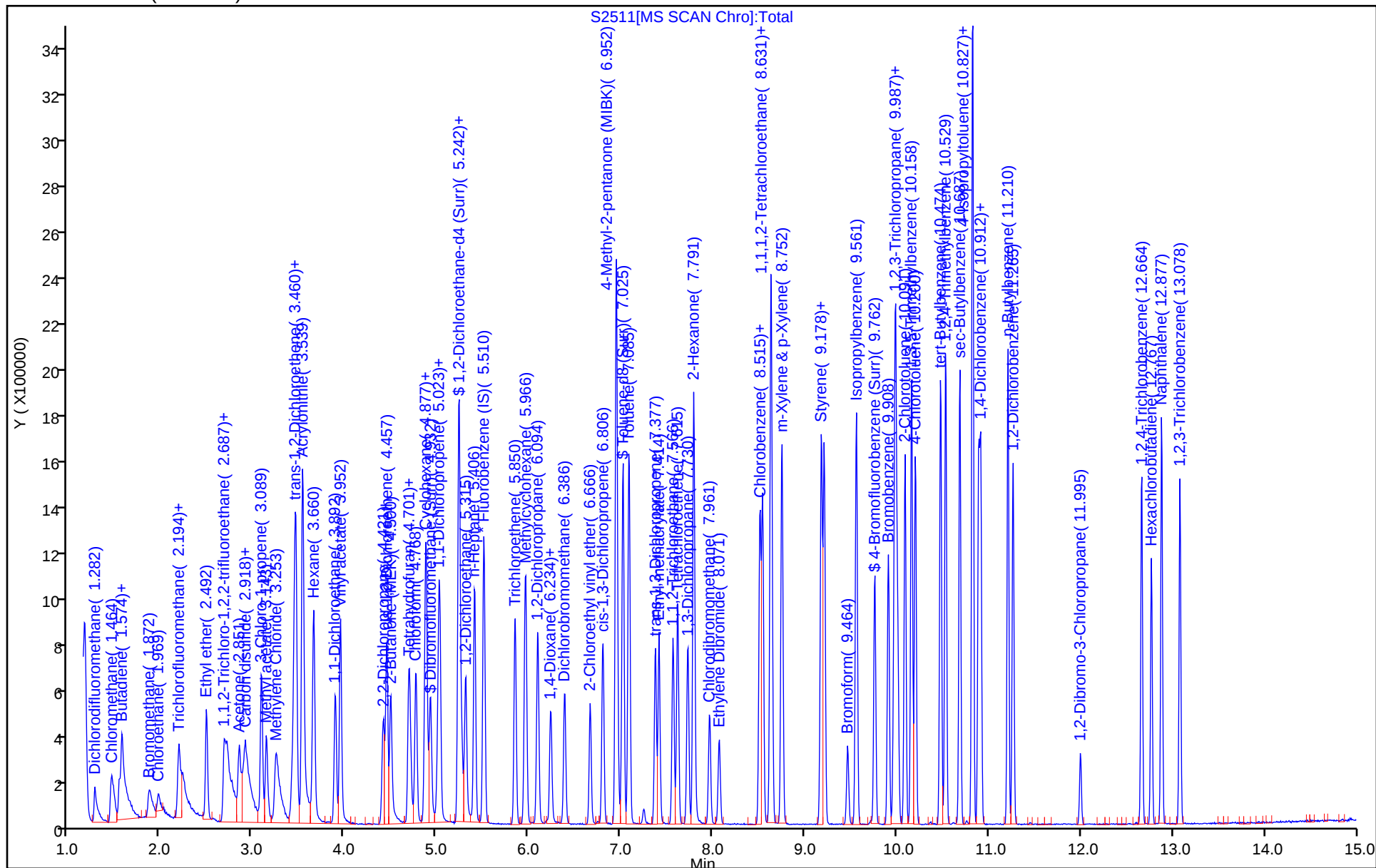
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

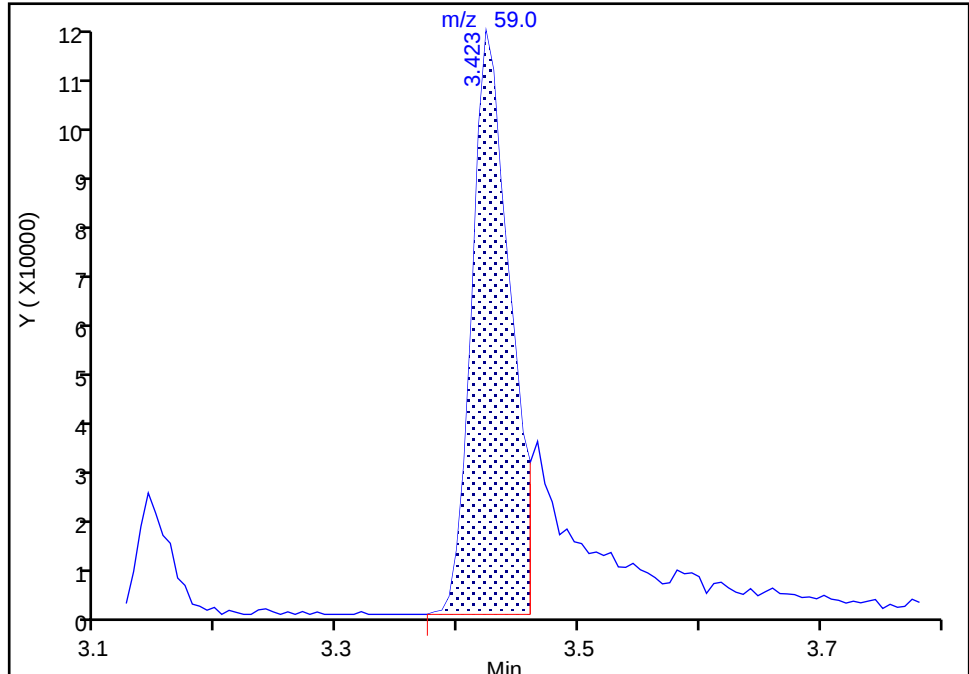
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Injection Date: 20-Jun-2018 15:48:30 Instrument ID: HP5973S
Lims ID: ICIS 5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

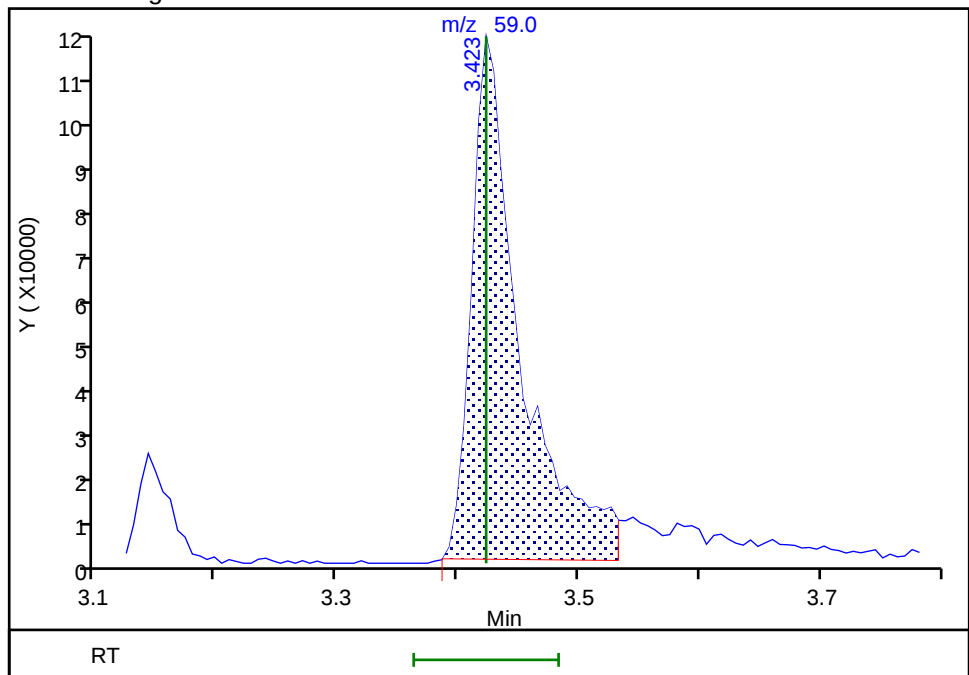
RT: 3.42
Area: 243993
Amount: 233.1605
Amount Units: ug/L

Processing Integration Results



RT: 3.42
Area: 307003
Amount: 238.8921
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:49:52

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2512.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 20-Jun-2018 16:11:30 ALS Bottle#: 9 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0072482-011
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:26:07 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 20:20:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	192452	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	394691	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	42	371185	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	56	244934	25.0	26.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.236	5.242	-0.006	0	158160	25.0	26.2	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	89	970429	25.0	25.2	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	302035	25.0	25.6	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	99	556127	50.0	60.0	
12 Chloromethane	50	1.458	1.464	-0.006	99	752596	50.0	51.1	
13 Vinyl chloride	62	1.543	1.549	-0.006	93	722212	50.0	55.2	
151 Butadiene	54	1.574	1.574	0.000	86	714525	50.0	52.3	
14 Bromomethane	94	1.878	1.872	0.006	88	360223	50.0	51.3	
15 Chloroethane	64	1.969	1.969	0.000	99	423584	50.0	53.5	
17 Trichlorofluoromethane	101	2.188	2.194	-0.006	81	736903	50.0	59.4	M
16 Dichlorofluoromethane	67	2.194	2.194	0.000	96	843653	50.0	48.6	
18 Ethyl ether	59	2.492	2.492	0.000	92	596459	50.0	54.1	
20 Acrolein	56	2.681	2.687	-0.006	96	575962	250.0	272.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.705	-0.006	65	364156	50.0	48.0	M
22 1,1-Dichloroethene	96	2.717	2.730	-0.013	95	465301	50.0	54.7	
23 Acetone	43	2.845	2.851	-0.006	97	904483	250.0	244.3	
25 Iodomethane	142	2.894	2.894	0.000	97	730136	50.0	58.7	
26 Carbon disulfide	76	2.918	2.918	0.000	98	1472959	50.0	54.4	
28 3-Chloro-1-propene	41	3.088	3.089	0.000	88	844115	50.0	51.2	
27 Methyl acetate	43	3.143	3.143	0.000	95	983740	100.0	101.2	
30 Methylene Chloride	84	3.253	3.253	0.000	98	551561	50.0	50.8	
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	94	680866	500.0	542.7	
32 Methyl tert-butyl ether	73	3.453	3.454	-0.001	92	1670515	50.0	52.4	
34 trans-1,2-Dichloroethene	96	3.466	3.472	-0.006	93	508786	50.0	52.3	
33 Acrylonitrile	53	3.539	3.539	0.000	98	2745107	500.0	531.3	
35 Hexane	57	3.660	3.660	0.000	83	940801	50.0	52.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.891	3.892	-0.001	97	1069251	50.0	52.2	
37 Vinyl acetate	43	3.952	3.952	0.000	97	2352331	100.0	99.5	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	92	592229	50.0	52.1	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	84	596033	50.0	53.3	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	94	1439504	250.0	253.2	
48 Chlorobromomethane	128	4.695	4.695	0.000	97	285479	50.0	53.4	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	90	387841	100.0	99.3	
50 Chloroform	83	4.768	4.774	-0.006	94	907363	50.0	50.7	
51 1,1,1-Trichloroethane	97	4.877	4.877	0.000	95	716429	50.0	53.8	
52 Cyclohexane	56	4.883	4.883	0.000	91	997545	50.0	55.6	
55 Carbon tetrachloride	117	5.017	5.011	0.006	92	637175	50.0	57.1	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	94	714312	50.0	52.6	
57 Benzene	78	5.236	5.236	0.000	97	2128022	50.0	52.1	
53 Isobutyl alcohol	43	5.266	5.266	0.000	97	721955	1250.0	1367.0	
58 1,2-Dichloroethane	62	5.309	5.315	-0.006	79	838833	50.0	50.9	
59 n-Heptane	43	5.406	5.412	-0.006	91	829266	50.0	49.7	
62 Trichloroethene	95	5.850	5.850	0.000	97	545392	50.0	51.8	
64 Methylcyclohexane	83	5.960	5.960	0.000	94	895898	50.0	55.9	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	97	642638	50.0	52.2	
67 Dibromomethane	93	6.234	6.234	0.000	91	338999	50.0	52.7	
66 1,4-Dioxane	88	6.240	6.246	-0.006	33	91625	1000.0	1034.9	
68 Dichlorobromomethane	83	6.386	6.386	0.000	98	708669	50.0	57.2	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	91	451891	50.0	55.0	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	90	863532	50.0	55.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	94	3068632	250.0	243.5	
74 Toluene	92	7.085	7.085	0.000	95	1345091	50.0	51.3	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	95	800744	50.0	55.4	
75 Ethyl methacrylate	69	7.414	7.414	0.000	86	758693	50.0	53.5	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	92	408565	50.0	51.7	
81 Tetrachloroethene	166	7.615	7.615	0.000	87	580239	50.0	52.4	
82 1,3-Dichloropropane	76	7.730	7.730	0.000	92	866770	50.0	52.0	
80 2-Hexanone	43	7.791	7.791	0.000	90	2254226	250.0	243.0	
83 Chlorodibromomethane	129	7.967	7.961	0.006	90	515833	50.0	57.4	
84 Ethylene Dibromide	107	8.071	8.071	0.000	100	508600	50.0	51.1	
87 Chlorobenzene	112	8.539	8.539	0.000	92	1474031	50.0	51.3	
88 Ethylbenzene	91	8.631	8.631	0.000	98	2446781	50.0	51.7	
89 1,1,1,2-Tetrachloroethane	131	8.637	8.643	-0.006	48	510400	50.0	54.9	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	969691	50.0	50.4	
91 o-Xylene	106	9.178	9.178	0.000	97	960148	50.0	52.6	
92 Styrene	104	9.209	9.209	0.000	94	1666910	50.0	53.2	
95 Bromoform	173	9.464	9.464	0.000	97	339740	50.0	59.2	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	2412885	50.0	51.6	
101 Bromobenzene	156	9.908	9.908	0.000	95	604551	50.0	51.1	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	75	630975	50.0	49.6	
99 N-Propylbenzene	91	9.987	9.987	0.000	99	2782295	50.0	51.3	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	69	221749	50.0	53.0	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	80	231344	50.0	50.4	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	577783	50.0	49.5	
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	85	2040375	50.0	50.3	
105 4-Chlorotoluene	126	10.200	10.200	0.000	96	620467	50.0	51.9	
106 tert-Butylbenzene	134	10.480	10.474	0.006	93	469785	50.0	54.3	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	77	2132089	50.0	51.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	94	2510799	50.0	51.6	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	73	1163942	50.0	50.6	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	96	2224584	50.0	53.1	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	93	1170382	50.0	49.9	
115 n-Butylbenzene	91	11.210	11.210	0.000	97	1968301	50.0	52.1	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	92	1131910	50.0	50.0	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	82	138297	50.0	56.1	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	94	859177	50.0	53.3	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	96	404793	50.0	52.6	
121 Naphthalene	128	12.877	12.877	0.000	97	2369399	50.0	53.8	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	95	796689	50.0	53.6	
S 123 Total BTEX	1				0			258.1	
S 125 1,2-Dichloroethene, Total	1				0			105.6	
S 124 Xylenes, Total	1				0			103.0	
S 126 1,3-Dichloropropene, Total	1				0			110.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 25.00

Units: uL

GAS CORP mix_00287

Amount Added: 25.00

Units: uL

S_8260_IS_00293

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00274

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2512.D

Injection Date: 20-Jun-2018 16:11:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: IC 6

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

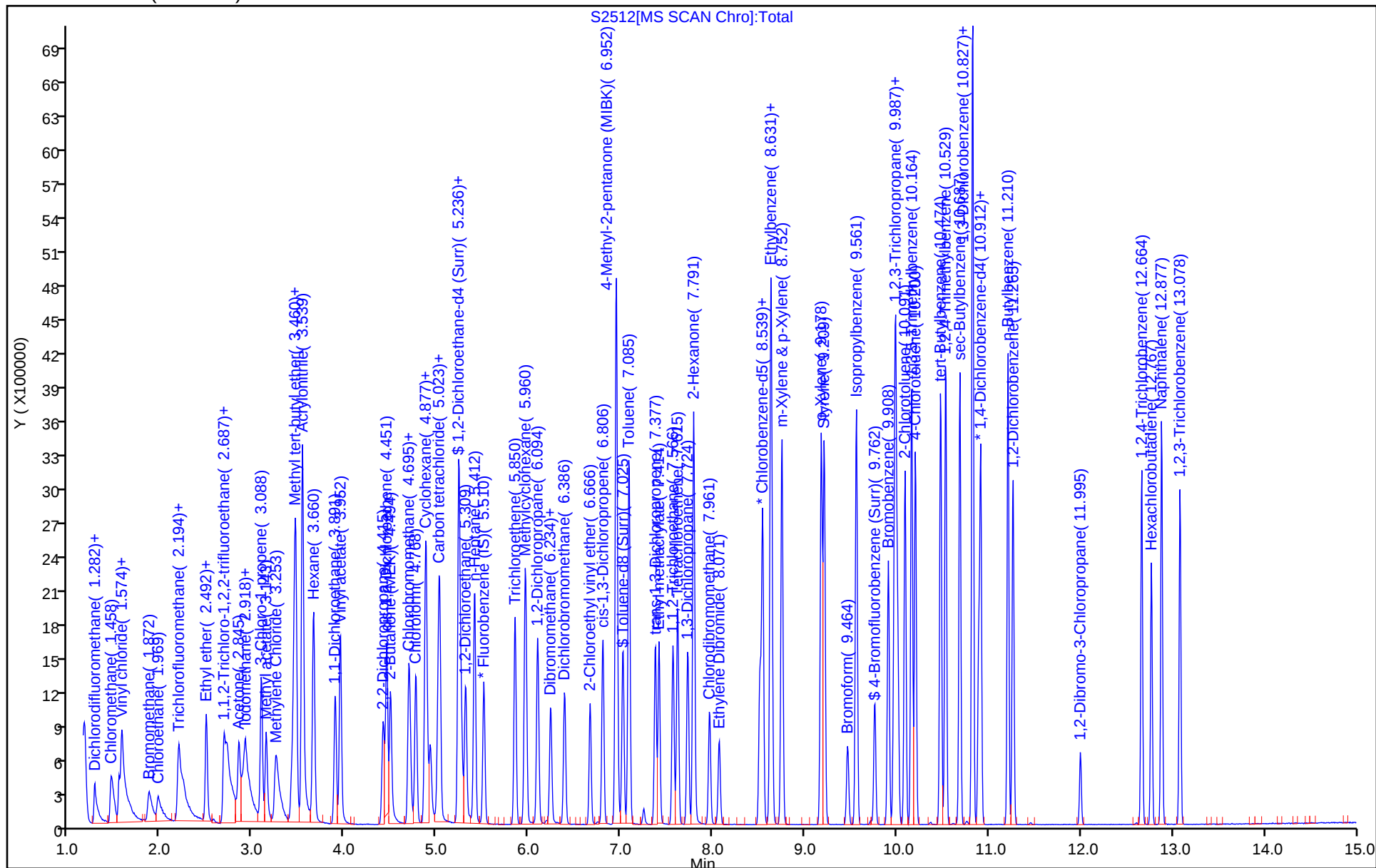
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

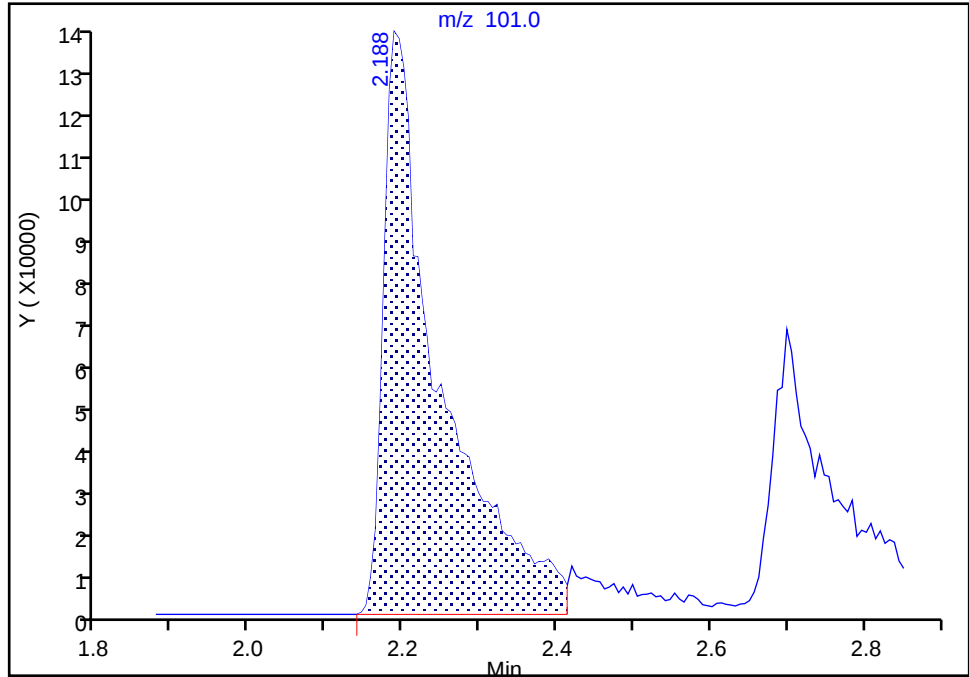
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Injection Date: 20-Jun-2018 16:11:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: LH/ZV ALS Bottle#: 9 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

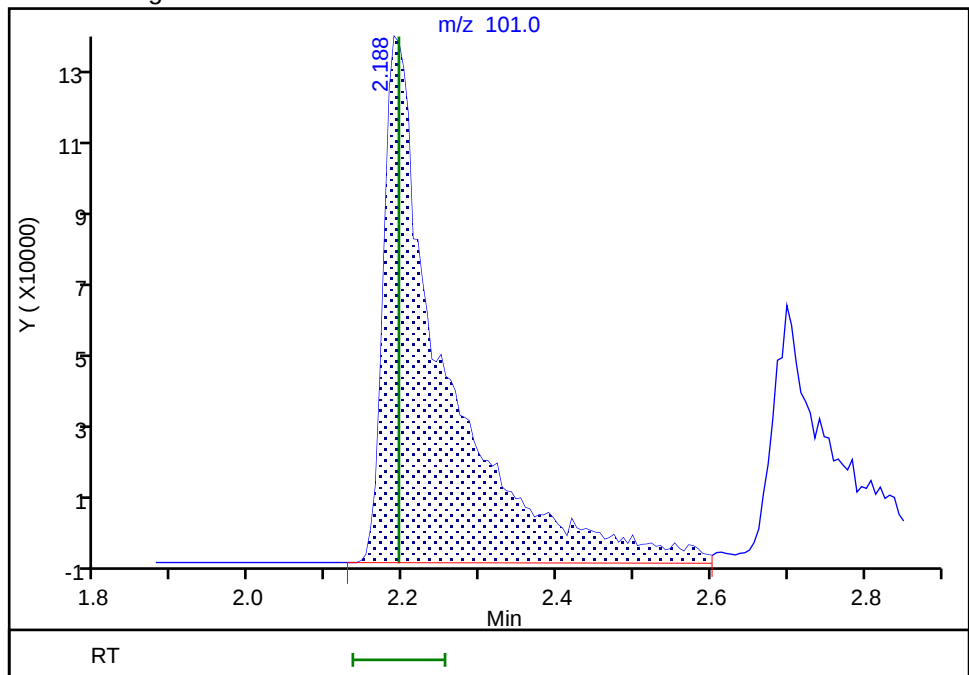
RT: 2.19
Area: 674194
Amount: 50.268036
Amount Units: ug/L

Processing Integration Results



RT: 2.19
Area: 736903
Amount: 59.400714
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 23:01:35
Audit Action: Manually Integrated

Audit Reason: Baseline
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07/11/2018

TestAmerica Buffalo

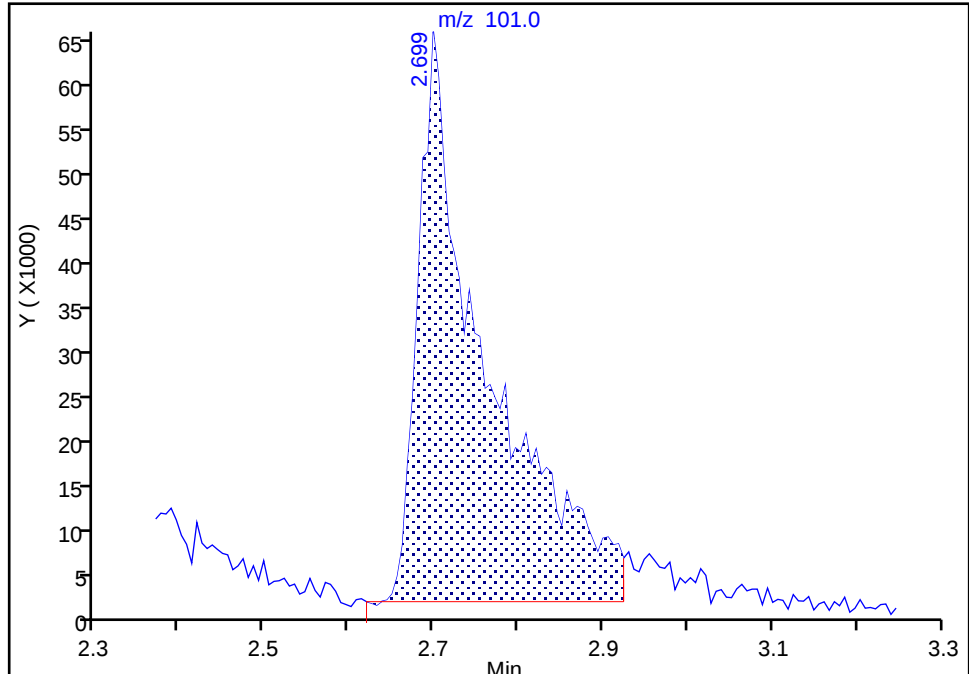
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Injection Date: 20-Jun-2018 16:11:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: LH/ZV ALS Bottle#: 9 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

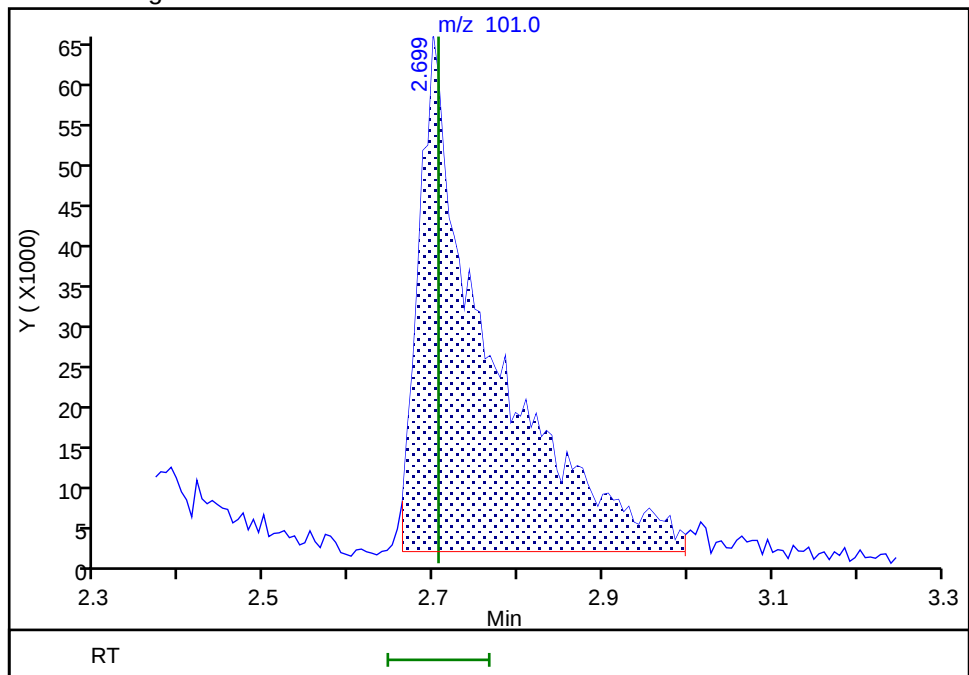
RT: 2.70
Area: 349411
Amount: 45.201404
Amount Units: ug/L

Processing Integration Results



RT: 2.70
Area: 364156
Amount: 47.992777
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:33:16
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2513.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 20-Jun-2018 16:34:30 ALS Bottle#: 10 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0072482-012
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:26:11 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 19:35:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	203954	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	88	404509	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	17	376772	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	57	247091	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	0	152101	25.0	23.8	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	64	969583	25.0	24.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	90	306600	25.0	25.3	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	98	1042243	100.0	106.1	M
12 Chloromethane	50	1.464	1.464	0.000	99	1481396	100.0	94.9	
13 Vinyl chloride	62	1.543	1.549	-0.006	82	1374584	100.0	99.1	
151 Butadiene	54	1.574	1.574	0.000	82	1368549	100.0	94.6	
14 Bromomethane	94	1.878	1.872	0.006	91	712144	100.0	95.8	
15 Chloroethane	64	1.969	1.969	0.000	99	830061	100.0	98.8	
16 Dichlorofluoromethane	67	2.194	2.194	0.000	96	1716432	100.0	93.3	
17 Trichlorofluoromethane	101	2.188	2.194	-0.006	85	1437497	100.0	109.3	
18 Ethyl ether	59	2.492	2.492	0.000	92	1181934	100.0	101.1	
20 Acrolein	56	2.687	2.687	0.000	98	1162249	500.0	518.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.705	-0.006	59	822020	100.0	101.8	M
22 1,1-Dichloroethene	96	2.724	2.730	-0.006	94	990419	100.0	109.9	
23 Acetone	43	2.845	2.851	-0.006	98	1835772	500.0	467.8	
25 Iodomethane	142	2.894	2.894	0.000	98	1547832	100.0	117.5	
26 Carbon disulfide	76	2.918	2.918	0.000	98	3032330	100.0	105.6	
28 3-Chloro-1-propene	41	3.095	3.089	0.007	89	1733446	100.0	99.2	
27 Methyl acetate	43	3.143	3.143	0.000	95	1983551	200.0	192.5	
30 Methylene Chloride	84	3.253	3.253	0.000	96	1126336	100.0	99.6	
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	96	1598960	1000.0	1202.6	
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	91	3395940	100.0	100.6	
34 trans-1,2-Dichloroethene	96	3.466	3.472	-0.006	92	1050113	100.0	101.9	
33 Acrylonitrile	53	3.539	3.539	0.000	97	5416558	1000.0	989.2	
35 Hexane	57	3.660	3.660	0.000	87	1983165	100.0	104.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.892	3.892	0.000	97	2191279	100.0	100.9	
37 Vinyl acetate	43	3.952	3.952	0.000	97	4622714	200.0	184.6	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	91	1257016	100.0	104.4	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	84	1225447	100.0	103.4	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	95	3041661	500.0	504.8	
48 Chlorobromomethane	128	4.695	4.695	0.000	98	585187	100.0	103.4	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	87	822605	200.0	198.7	
50 Chloroform	83	4.774	4.774	0.000	93	1854730	100.0	97.9	
51 1,1,1-Trichloroethane	97	4.877	4.877	0.000	93	1501541	100.0	106.3	
52 Cyclohexane	56	4.877	4.883	-0.006	91	2165602	100.0	114.0	
55 Carbon tetrachloride	117	5.017	5.011	0.006	89	1320508	100.0	111.6	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	94	1495256	100.0	103.9	
57 Benzene	78	5.236	5.236	0.000	98	4301395	100.0	99.4	
53 Isobutyl alcohol	43	5.266	5.266	0.000	95	1557611	2500.0	2783.0	
58 1,2-Dichloroethane	62	5.309	5.315	-0.006	83	1702374	100.0	97.4	
59 n-Heptane	43	5.406	5.412	-0.006	91	1743611	100.0	98.6	
62 Trichloroethene	95	5.850	5.850	0.000	97	1155378	100.0	103.5	
64 Methylcyclohexane	83	5.960	5.960	0.000	93	1857834	100.0	109.3	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	97	1287446	100.0	98.6	
67 Dibromomethane	93	6.234	6.234	0.000	90	708426	100.0	104.0	
66 1,4-Dioxane	88	6.240	6.246	-0.006	35	176888	2000.0	1937.7	
68 Dichlorobromomethane	83	6.386	6.386	0.000	99	1480734	100.0	112.8	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	91	926261	100.0	106.3	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	91	1778596	100.0	107.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	91	5759555	500.0	446.0	
74 Toluene	92	7.092	7.085	0.007	97	2760907	100.0	102.7	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	94	1691433	100.0	114.2	
75 Ethyl methacrylate	69	7.414	7.414	0.000	86	1589664	100.0	109.5	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	94	844173	100.0	104.2	
81 Tetrachloroethene	166	7.621	7.615	0.006	85	1184748	100.0	104.3	
82 1,3-Dichloropropane	76	7.730	7.730	0.000	93	1776603	100.0	104.0	
80 2-Hexanone	43	7.791	7.791	0.000	87	4341846	500.0	456.8	
83 Chlorodibromomethane	129	7.968	7.961	0.007	91	1120056	100.0	121.6	
84 Ethylene Dibromide	107	8.071	8.071	0.000	98	1055354	100.0	103.4	
87 Chlorobenzene	112	8.539	8.539	0.000	92	3001103	100.0	101.8	
88 Ethylbenzene	91	8.631	8.631	0.000	98	4820637	100.0	99.5	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	57	1084784	100.0	113.8	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	2043355	100.0	103.6	
91 o-Xylene	106	9.178	9.178	0.000	97	1982170	100.0	105.9	
92 Styrene	104	9.209	9.209	0.000	94	3414832	100.0	106.3	
95 Bromoform	173	9.464	9.464	0.000	97	760638	100.0	129.3	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	4783571	100.0	100.7	
101 Bromobenzene	156	9.908	9.908	0.000	96	1270447	100.0	105.7	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	80	1304499	100.0	101.1	
99 N-Propylbenzene	91	9.987	9.987	0.000	97	5345840	100.0	97.1	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	68	441615	100.0	103.9	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	79	502274	100.0	107.2	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	1194322	100.0	100.8	
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	86	4068375	100.0	98.7	
105 4-Chlorotoluene	126	10.206	10.200	0.006	95	1278707	100.0	105.3	
106 tert-Butylbenzene	134	10.480	10.474	0.006	92	961000	100.0	109.4	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	77	4149841	100.0	98.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	95	4943148	100.0	100.0	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	95	4286221	100.0	100.8	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	74	2337298	100.0	100.1	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	92	2382476	100.0	100.1	
115 n-Butylbenzene	91	11.210	11.210	0.000	95	3893665	100.0	101.5	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	92	2277520	100.0	99.1	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	83	279459	100.0	111.6	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	95	1741646	100.0	106.5	
120 Hexachlorobutadiene	225	12.768	12.767	0.001	96	853596	100.0	109.2	
121 Naphthalene	128	12.877	12.877	0.000	98	4593666	100.0	102.8	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	96	1662277	100.0	110.3	
S 124 Xylenes, Total	1				0			209.6	
S 126 1,3-Dichloropropene, Total	1				0			222.0	
S 123 Total BTEX	1				0			511.1	
S 125 1,2-Dichloroethene, Total	1				0			205.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 50.00

Units: uL

GAS CORP mix_00287

Amount Added: 50.00

Units: uL

S_8260_IS_00293

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00274

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2513.D

Injection Date: 20-Jun-2018 16:34:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: IC 7

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

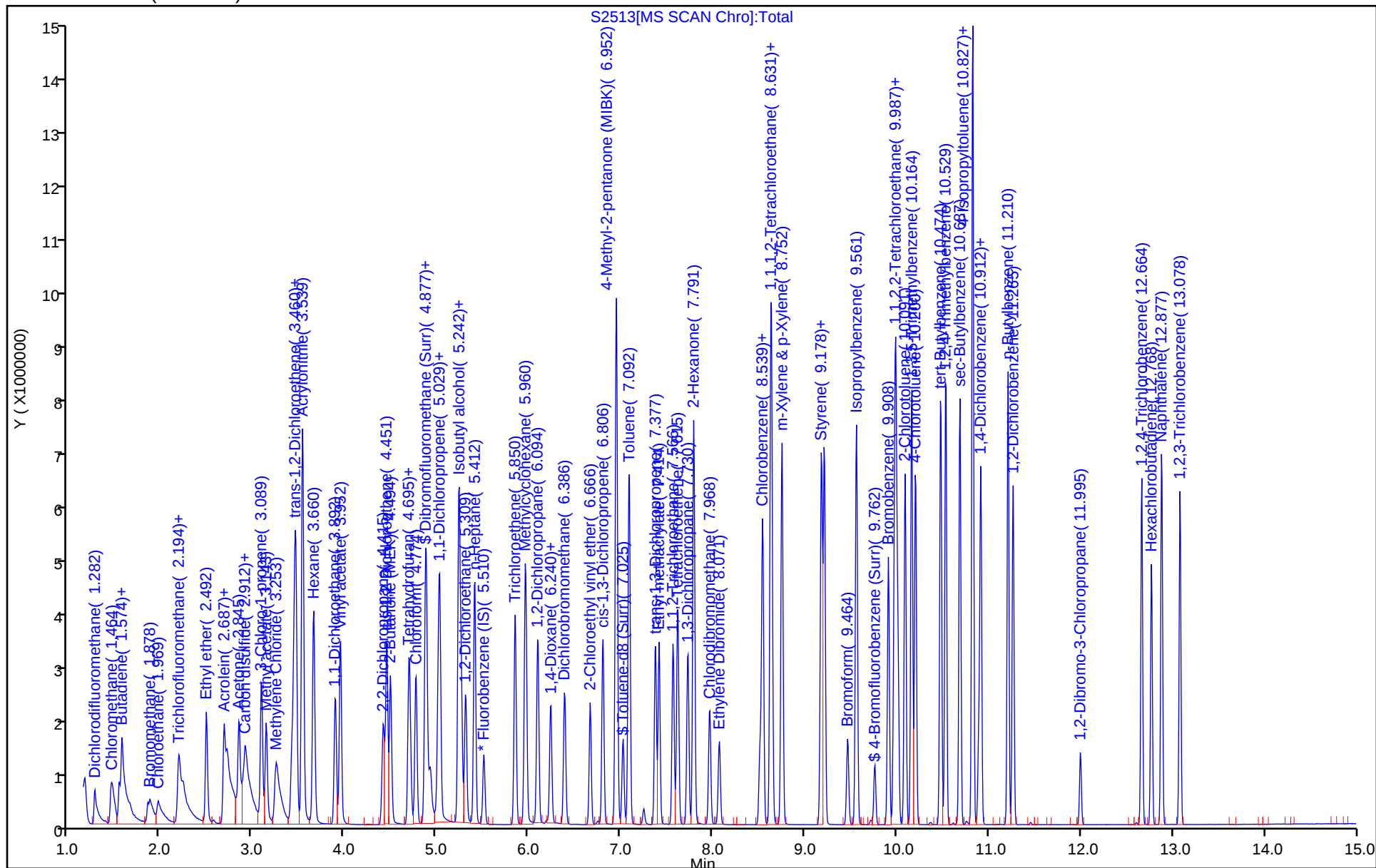
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2513.D

Injection Date: 20-Jun-2018 16:34:30

Instrument ID: HP5973S

Lims ID: IC 7

Client ID:

Operator ID: LH/ZV

ALS Bottle#: 10

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

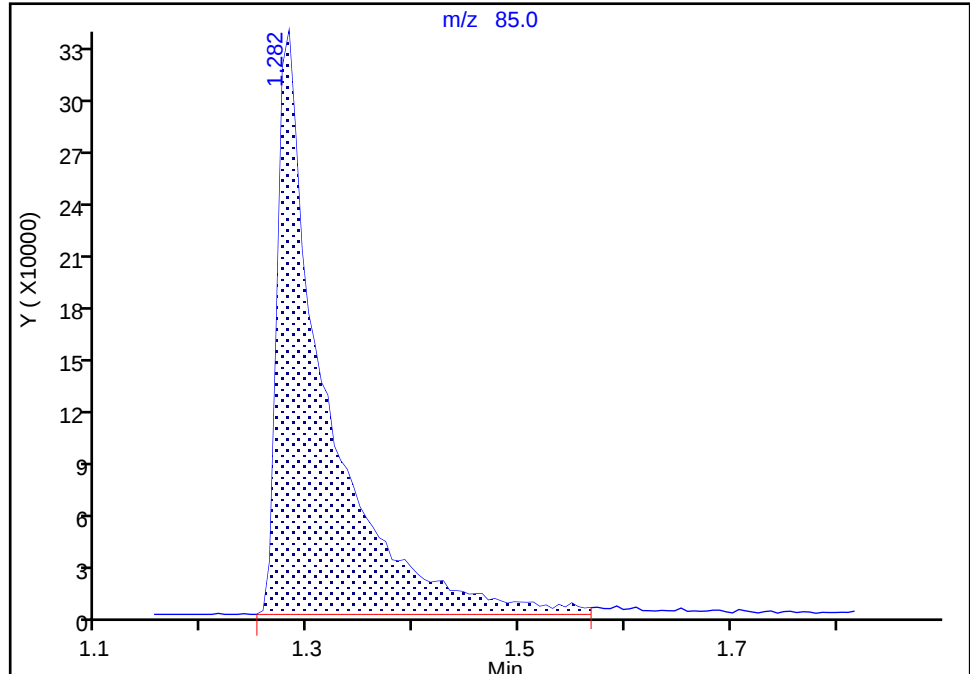
Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

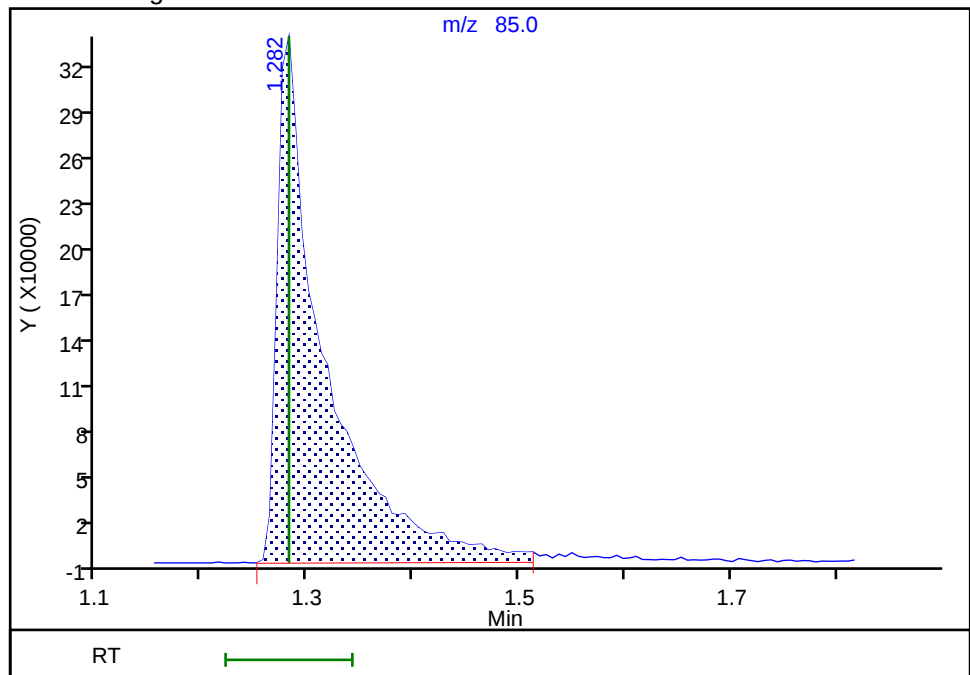
RT: 1.28
Area: 1058190
Amount: 97.253184
Amount Units: ug/L

Processing Integration Results



RT: 1.28
Area: 1042243
Amount: 106.0994
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:50:38

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2513.D

Injection Date: 20-Jun-2018 16:34:30

Instrument ID: HP5973S

Lims ID: IC 7

Client ID:

Operator ID: LH/ZV

ALS Bottle#: 10

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

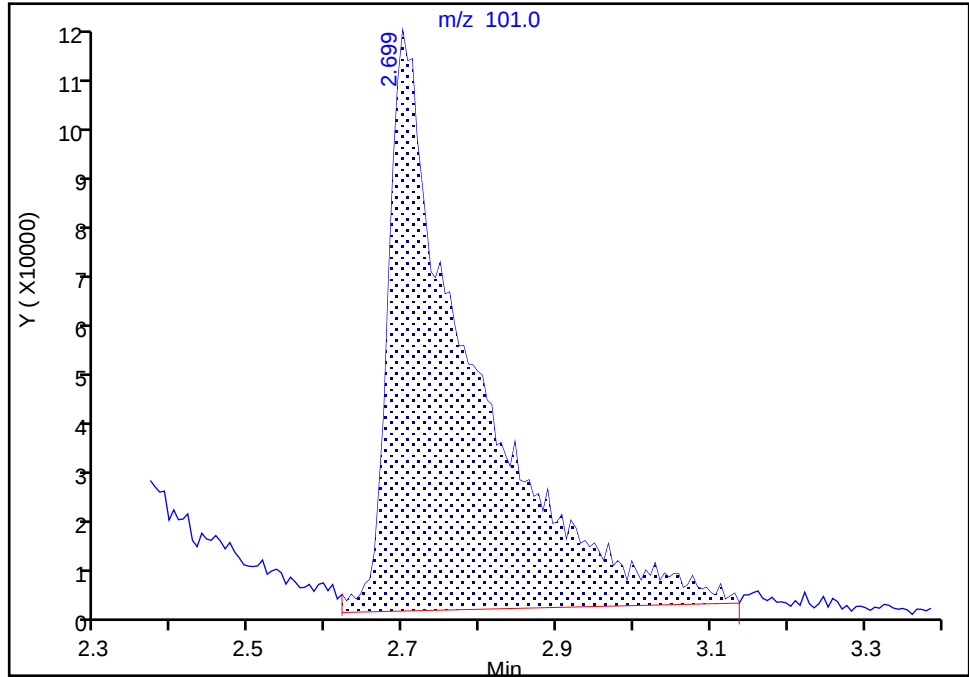
Detector: MS SCAN

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

Signal: 1

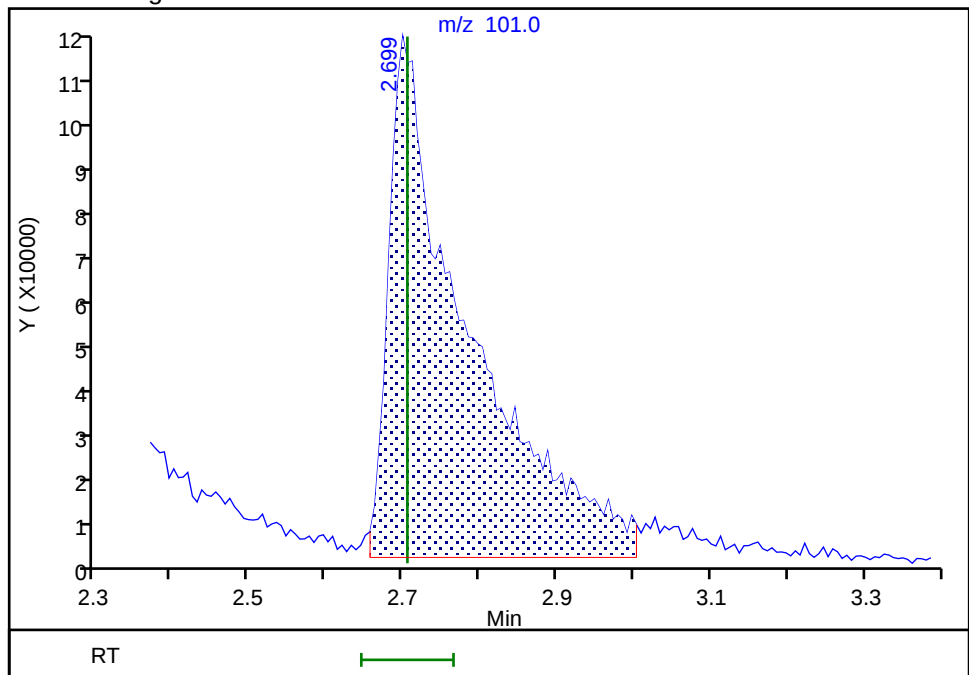
RT: 2.70
Area: 865473
Amount: 103.9221
Amount Units: ug/L

Processing Integration Results



RT: 2.70
Area: 822020
Amount: 101.8067
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:38:32

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 421443

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2018 16:17 Calibration End Date: 06/25/2018 19:02 Calibration ID: 34188

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-421443/7	T0004.D
Level 2	IC 480-421443/8	T0005.D
Level 3	IC 480-421443/9	T0006.D
Level 4	IC 480-421443/10	T0007.D
Level 5	IC 480-421443/11	T0008.D
Level 6	ICIS 480-421443/12	T0009.D
Level 7	IC 480-421443/13	T0010.D
Level 8	IC 480-421443/14	T0011.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 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	++++ 1.3227	1.0315 1.3636	1.2634 1.5398	1.3041	1.2263	Ave		1.2931			0.1000	11.8		20.0			
Chloromethane	2.6045 2.1539	2.2852 2.2132	1.9797 2.2623	2.0764	2.0161	Ave		2.1989			0.1000	9.0		20.0			
Vinyl chloride	1.5019 1.7052	1.7288 1.8153	1.6621 1.9238	1.9509	1.6992	Ave		1.7484			0.1000	8.3		20.0			
Butadiene	1.8476 1.8731	1.9563 1.9550	1.8885 2.0646	1.8031	1.6754	Ave		1.8830				6.2		20.0			
Bromomethane	1.5138 1.0409	1.3268 1.1035	1.2239 1.1516	1.2104	1.1883	Ave		1.2199			0.1000	12.0		20.0			
Chloroethane	++++ 1.0516	1.0184 1.0823	1.1639 1.1133	1.1250	1.0154	Ave		1.0814			0.1000	5.2		20.0			
Trichlorofluoromethane	1.8820 2.2550	1.9957 2.3919	2.1005 2.5502	2.2572	2.0341	Ave		2.1833			0.1000	10.2		20.0			
Dichlorofluoromethane	2.7535 2.4761	2.6754 2.5622	2.2785 2.6777	2.4556	2.4042	Ave		2.5354				6.3		20.0			
Ethyl ether	1.6191 1.2731	1.4208 1.3741	1.2397 1.3537	1.2521	1.2090	Ave		1.3427				10.0		20.0			
Acrolein	0.2071 0.1978	0.2202 0.2074	0.1907 0.2144	0.1891	0.1882	Ave		0.2019				6.0		20.0			
1,1-Dichloroethene	++++ 1.1449	1.1491 1.2659	1.2417 1.3390	1.1105	1.1963	Ave		1.2068			0.1000	6.7		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 1.3128	1.3039 1.4222	1.3449 1.4549	1.4036	1.2697	Ave		1.3589			0.1000	5.1		20.0			
Acetone	++++ 0.4334	0.4736 0.4512	0.4424 0.4771	0.4385	0.4417	Ave		0.4511			0.1000	3.9		20.0			
Iodomethane	1.9608 2.4353	2.4014 2.5862	2.3257 2.6921	2.4047	2.3664	Ave		2.3966				8.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 421443
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/25/2018 16:17 Calibration End Date: 06/25/2018 19:02 Calibration ID: 34188

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 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	++++ 3.6760	3.1904 4.1419	3.5118 4.2751	3.6565	3.6664	Ave		3.7312			0.1000	9.9		20.0			
Allyl chloride	++++ 2.4734	2.2510 2.7109	2.5449 2.7647	2.4001	2.4006	Ave		2.5065				7.3		20.0			
Methyl acetate	1.4110 1.0756	1.3606 1.0838	1.0478 1.1306	1.0275	1.1163	Ave		1.1567			0.1000	12.6		20.0			
Methylene Chloride	++++ 1.4715	2.7297 1.5171	1.8777 1.5554	1.7141	1.5462	Lin1	0.9765	1.5122			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.1222 0.1308	0.1261 0.1356	0.1143 0.1511	0.1228	0.1212	Ave		0.1280				8.8		20.0			
Methyl tert-butyl ether	3.3727 3.8063	3.7701 4.0055	3.4135 4.1325	3.6374	3.7056	Ave		3.7305			0.1000	7.0		20.0			
trans-1,2-Dichloroethene	1.0880 1.3611	1.2510 1.5097	1.2765 1.5216	1.4169	1.3455	Ave		1.3463			0.1000	10.6		20.0			
Acrylonitrile	0.5341 0.5587	0.5454 0.5718	0.4977 0.5962	0.5123	0.5314	Ave		0.5434				5.9		20.0			
Hexane	++++ 2.3356	2.3919 2.6170	2.4293 2.7526	2.4040	2.3514	Ave		2.4688				6.3		20.0			
1,1-Dichloroethane	2.2890 2.6478	2.6549 2.8504	2.6441 2.9240	2.6373	2.6321	Ave		2.6599			0.2000	7.0		20.0			
Vinyl acetate	2.1600 2.8230	2.5361 3.0154	2.4517 3.2103	2.5522	2.3947	Ave		2.6429				13.1		20.0			
2,2-Dichloropropane	1.3450 1.8740	1.8547 2.0682	1.7690 2.1410	1.8596	1.8890	Ave		1.8501				12.9		20.0			
cis-1,2-Dichloroethene	1.6390 1.6489	1.5684 1.7022	1.6551 1.7160	1.5851	1.5434	Ave		1.6323			0.1000	3.8		20.0			
2-Butanone (MEK)	0.6044 0.6190	0.6380 0.6653	0.5995 0.6990	0.5828	0.6161	Ave		0.6280			0.1000	6.1		20.0			
Chlorobromomethane	0.7880 0.8322	0.7276 0.8847	0.8158 0.8917	0.7678	0.8056	Ave		0.8142				6.8		20.0			
Tetrahydrofuran	0.4117 0.4205	0.3611 0.4264	0.4248 0.4491	0.4113	0.3956	Ave		0.4126				6.3		20.0			
Chloroform	2.5797 2.4669	2.6117 2.6450	2.4313 2.6569	2.3937	2.4197	Ave		2.5256			0.2000	4.3		20.0			
1,1,1-Trichloroethane	++++ 2.0724	1.9237 2.2918	1.7808 2.4037	2.0128	2.0809	Ave		2.0809			0.1000	10.2		20.0			
Cyclohexane	1.9691 2.8026	2.4155 3.1165	2.8921 3.2433	2.8989	2.7880	Ave		2.7658			0.1000	14.6		20.0			
Carbon tetrachloride	++++ 1.7914	1.3998 2.0758	1.6080 2.1562	1.6974	1.7313	Ave		1.7800			0.1000	14.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 421443
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/25/2018 16:17 Calibration End Date: 06/25/2018 19:02 Calibration ID: 34188

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 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	++++ 1.7889	1.7889 1.9348	1.7092 1.9706	1.8442	1.7859	Ave		1.8318				5.0		20.0			
Benzene	4.2888 5.1541	5.2587 5.4245	4.8955 5.4592	4.7982	5.1847	Ave		5.0580			0.5000	7.6		20.0			
Isobutyl alcohol	++++ 0.0498	0.0493 0.0546	0.0403 0.0608	0.0444	0.0464	Ave		0.0494				13.7		20.0			
1,2-Dichloroethane	2.6124 2.2605	2.4482 2.4197	2.3533 2.4297	2.2794	2.3109	Ave		2.3893			0.1000	4.8		20.0			
n-Heptane	1.7638 2.4901	2.6557 2.7535	2.3775 2.8501	2.4749	2.4328	Ave		2.4748				13.4		20.0			
Trichloroethene	1.1920 1.4070	1.2528 1.5750	1.4181 1.5974	1.4318	1.4603	Ave		1.4168			0.2000	9.9		20.0			
Methylcyclohexane	++++ 2.2759	1.9276 2.5458	2.3802 2.6653	2.3365	2.2917	Ave		2.3461			0.1000	9.9		20.0			
1,2-Dichloropropane	1.1940 1.5489	1.4562 1.5684	1.2875 1.6377	1.4686	1.4583	Ave		1.4525			0.1000	10.1		20.0			
1,4-Dioxane	++++ 0.0030	0.0031 0.0030	0.0030 0.0031	0.0027	0.0029	Ave		0.0030				4.5		20.0			
Dibromomethane	++++ 0.9248	0.8398 0.9529	0.7280 0.9857	0.8673	0.8762	Ave		0.8821			0.1000	9.6		20.0			
Bromodichloromethane	1.3718 1.7758	1.7456 1.9439	1.5065 2.0418	1.5736	1.5668	Ave		1.6907			0.2000	13.5		20.0			
2-Chloroethyl vinyl ether	0.7291 0.9054	0.9099 0.9933	0.7302 1.0747	0.8138	0.8551	Ave		0.8764				13.8		20.0			
cis-1,3-Dichloropropene	++++ 2.0316	1.7110 2.1413	1.5742 2.2814	1.7881	1.8222	Ave		1.9071			0.2000	13.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.2730 0.3417	0.2807 0.3485	0.2632 0.3623	0.3018	0.3202	Ave		0.3114			0.1000	12.0		20.0			
Toluene	0.7640 0.8485	0.8823 0.8906	0.7976 0.8839	0.8663	0.8394	Ave		0.8466			0.4000	5.3		20.0			
trans-1,3-Dichloropropene	++++ 0.4409	0.3210 0.4732	0.3500 0.4952	0.3909	0.3965	Ave		0.4097			0.1000	15.5		20.0			
Ethyl methacrylate	0.2733 0.3424	0.2854 0.3721	0.2865 0.3892	0.2990	0.3102	Ave		0.3198				13.5		20.0			
1,1,2-Trichloroethane	++++ 0.2364	0.2441 0.2435	0.1947 0.2494	0.2349	0.2317	Ave		0.2335			0.1000	7.8		20.0			
Tetrachloroethene	++++ 0.3728	0.3842 0.3889	0.3657 0.4068	0.3625	0.3719	Ave		0.3790			0.2000	4.1		20.0			
1,3-Dichloropropane	0.4481 0.4834	0.4430 0.4942	0.4445 0.5032	0.4810	0.4782	Ave		0.4719				5.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 421443
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/25/2018 16:17 Calibration End Date: 06/25/2018 19:02 Calibration ID: 34188

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 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.1824 0.2254	0.2034 0.2397	0.1872 0.2484	0.2127	0.2160	Ave		0.2144			0.1000	10.9		20.0			
Dibromochloromethane	++++ 0.3159	0.2213 0.3537	0.2286 ++++	0.2756	0.2756	Ave		0.2785			0.1000	18.2		20.0			
1,2-Dibromoethane	0.2651 0.2902	0.2579 0.3071	0.2460 0.3179	0.2593	0.2855	Ave		0.2786				9.2		20.0			
Chlorobenzene	0.8619 1.0010	0.8751 1.0465	0.9892 1.0578	0.9754	1.0194	Ave		0.9783			0.5000	7.5		20.0			
Ethylbenzene	1.4265 1.5939	1.4465 1.6929	1.5860 1.7199	1.5599	1.6039	Ave		1.5787			0.1000	6.6		20.0			
1,1,1,2-Tetrachloroethane	++++ 0.3512	0.2540 0.3727	0.2909 0.3879	0.2929	0.3230	Ave		0.3247				15.0		20.0			
m,p-Xylene	0.5335 0.6327	0.6263 0.6653	0.5786 0.6757	0.6123	0.6420	Ave		0.6208			0.1000	7.5		20.0			
o-Xylene	0.5523 0.6191	0.5002 0.6686	0.5691 0.6691	0.6114	0.6035	Ave		0.5992			0.3000	9.6		20.0			
Styrene	0.7263 1.0770	0.9007 1.1396	0.9385 1.1571	1.0308	1.0232	Ave		0.9991			0.3000	14.2		20.0			
Bromoform	++++ 0.1569	0.1068 0.1815	0.1333 ++++	0.1380	0.1430	Ave		0.1433			0.1000	17.4		20.0			
Isopropylbenzene	2.4678 2.9068	2.7161 3.1469	2.4708 3.0039	2.7480	2.8663	Ave		2.7908			0.1000	8.6		20.0			
Bromobenzene	0.7329 0.7858	0.6855 0.8038	0.6982 0.8011	0.7763	0.7838	Ave		0.7584				6.1		20.0			
1,1,2,2-Tetrachloroethane	0.5186 0.6137	0.5429 0.6279	0.5299 0.6355	0.5391	0.6098	Ave		0.5772			0.3000	8.5		20.0			
N-Propylbenzene	2.5507 3.4167	3.0767 3.6286	3.0442 3.4967	3.2167	3.3482	Ave		3.2223				10.5		20.0			
1,2,3-Trichloropropane	0.1705 0.2165	0.2108 0.2131	0.1651 0.2124	0.1840	0.2035	Ave		0.1970				10.5		20.0			
trans-1,4-Dichloro-2-butene	0.2146 0.2408	0.2299 0.2597	0.2199 0.2749	0.2296	0.2185	Ave		0.2360				9.1		20.0			
2-Chlorotoluene	0.5963 0.7444	0.6884 0.7600	0.6416 0.7467	0.7228	0.7579	Ave		0.7073				8.5		20.0			
1,3,5-Trimethylbenzene	1.9456 2.4972	2.1170 2.5976	2.1953 2.5531	2.3500	2.4665	Ave		2.3403				9.9		20.0			
4-Chlorotoluene	2.1447 2.0976	1.8265 2.2383	2.0085 2.1685	2.0994	2.1411	Ave		2.0906				6.0		20.0			
tert-Butylbenzene	0.4780 0.5941	0.4846 0.6102	0.5321 0.6142	0.5546	0.5708	Ave		0.5548				9.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 421443
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/25/2018 16:17 Calibration End Date: 06/25/2018 19:02 Calibration ID: 34188

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 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	1.9026 2.5636	2.2022 2.7407	2.3093 2.6665	2.4923	2.5692	Ave		2.4308				11.4		20.0			
sec-Butylbenzene	2.3067 3.1971	2.5528 3.4089	2.7479 3.2929	3.1397	3.1059	Ave		2.9690				13.1		20.0			
4-Isopropyltoluene	1.9318 2.7908	2.0459 2.9988	2.2631 2.9126	2.6490	2.7715	Ave		2.5454				16.0		20.0			
1,3-Dichlorobenzene	1.4143 1.5880	1.3923 1.6036	1.4780 1.5679	1.5501	1.5173	Ave		1.5139			0.6000	5.2		20.0			
1,4-Dichlorobenzene	1.5314 1.6005	1.5762 1.6443	1.5939 1.5937	1.5259	1.5777	Ave		1.5804			0.5000	2.4		20.0			
n-Butylbenzene	1.7196 2.5404	2.2020 2.6664	2.2076 2.6421	2.3649	2.4274	Ave		2.3463				13.2		20.0			
1,2-Dichlorobenzene	1.3643 1.4932	1.3816 1.5322	1.3208 1.5053	1.4675	1.5262	Ave		1.4489			0.4000	5.6		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.0865	0.0638 0.1004	0.0647 ++++	0.0726	0.0825	Ave		0.0784			0.0500	18.0		20.0			
1,2,4-Trichlorobenzene	0.8764 1.0897	0.9917 1.1296	0.8596 1.1185	0.9994	1.0524	Ave		1.0147			0.2000	10.2		20.0			
Hexachlorobutadiene	++++ 0.4670	0.3658 0.5152	0.3963 0.5132	0.4404	0.4559	Ave		0.4505				12.4		20.0			
Naphthalene	1.7998 2.4556	1.8408 2.5426	1.9629 2.5551	2.1091	2.1658	Ave		2.1790				14.1		20.0			
1,2,3-Trichlorobenzene	0.9042 1.0306	0.9306 1.0595	0.8569 1.0561	0.9415	0.9858	Ave		0.9707				7.7		20.0			
Dibromofluoromethane (Surr)	1.1908 1.2654	1.2348 1.3035	1.2050 1.3476	1.1834	1.2267	Ave		1.2447				4.6		20.0			
1,2-Dichloroethane-d4 (Surr)	1.5359 1.5667	1.5685 1.5826	1.5062 1.6267	1.5136	1.4390	Ave		1.5424				3.7		20.0			
Toluene-d8 (Surr)	1.1105 1.0703	1.0600 1.0907	1.0713 1.1056	1.0863	1.0400	Ave		1.0793				2.2		20.0			
4-Bromofluorobenzene (Surr)	0.3289 0.3309	0.3230 0.3347	0.3256 0.3429	0.3270	0.3336	Ave		0.3308				1.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 421443

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2018 16:17 Calibration End Date: 06/25/2018 19:02 Calibration ID: 34188

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-421443/7	T0004.D
Level 2	IC 480-421443/8	T0005.D
Level 3	IC 480-421443/9	T0006.D
Level 4	IC 480-421443/10	T0007.D
Level 5	IC 480-421443/11	T0008.D
Level 6	ICIS 480-421443/12	T0009.D
Level 7	IC 480-421443/13	T0010.D
Level 8	IC 480-421443/14	T0011.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	++++ 250835	7489 498054	18950 1111166	49788	94760	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	7866 408452	16592 808337	29695 1632579	79276	155787	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	4536 323361	12552 663020	24931 1388283	74485	131299	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	5580 355194	14204 714052	28327 1489886	68842	129460	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	4572 197387	9633 403035	18358 831064	46211	91823	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	++++ 199414	7394 395288	17458 803428	42952	78462	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	5684 427620	14490 873600	31507 1840334	86180	157172	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	8316 469541	19425 935822	34177 1932326	93755	185771	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	4890 241416	10316 501877	18595 976864	47805	93419	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3127 187536	7992 378821	14300 773762	36105	72729	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	++++ 217113	8343 462345	18625 966255	42400	92437	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 248952	9467 519441	20173 1049878	53589	98107	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	++++ 410947	17194 824020	33176 1721494	83709	170636	++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	5922 461806	17435 944578	34885 1942691	91810	182855	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	++++ 697089	23164 1512776	52676 3085056	139604	283305	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 421443

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2018 16:17 Calibration End Date: 06/25/2018 19:02 Calibration ID: 34188

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	++++ 469040	16343 990123	38172 1995080	91634	185494	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	8523 407951	19757 791699	31434 1631750	78457	172516	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	++++ 279035	19819 554100	28164 1122409	65445	119476	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	3691 247955	9154 495121	17140 1090068	46874	93619	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	10186 721792	27373 1462966	51201 2982182	138875	286332	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3286 258113	9083 551413	19147 1098061	54096	103967	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	16130 1059522	39597 2088608	74653 4302133	195599	410585	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	++++ 442897	17366 955830	36439 1986380	91784	181694	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	6913 502101	19276 1041079	39660 2110054	100690	203386	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	13047 1070669	36827 2202722	73550 4633330	194885	370070	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	4062 355377	13466 755390	26534 1544996	70999	145964	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4950 312677	11387 621708	24826 1238346	60519	119262	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	9127 586913	23160 1215033	44961 2522183	111246	238013	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2380 157806	5283 323124	12236 643463	29315	62251	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	2487 159484	5243 311491	12745 648148	31405	61135	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	7791 467803	18962 966044	36468 1917327	91390	186972	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	++++ 393001	13967 837049	26712 1734609	76846	160795	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	5947 531471	17538 1138288	43381 2340477	110680	215431	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	++++ 339704	10163 758178	24120 1555986	64804	133778	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	++++ 339227	12988 706684	25638 1422030	70412	137994	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	12953 977383	38181 1981234	73431 3939545	183191	400624	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 421443

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2018 16:17 Calibration End Date: 06/25/2018 19:02 Calibration ID: 34188

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	+++++ 235919	8953 498371	15095 1096580	42416	89709	+++++ 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	7890 428654	17775 883759	35298 1753389	87028	178563	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	5327 472200	19282 1005700	35661 2056759	94492	187986	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3600 266815	9096 575250	21271 1152718	54664	112836	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 431576	13995 929828	35702 1923360	89205	177076	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3606 293715	10573 572860	19312 1181835	56071	112685	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 47090	1912 91546	3622 188777	8365	18655	+++++ 500	20.0 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	+++++ 175371	6097 348020	10919 711285	33113	67702	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	4143 336746	12674 709997	22597 1473449	60079	121065	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	2202 171690	6606 362803	10952 775553	31072	66074	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 385249	12423 782086	23612 1646331	68269	140799	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	16467 1331779	43437 2664524	80565 5534355	233813	506936	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	9216 661468	27303 1362092	48837 2700682	134232	265814	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 343702	9932 723728	21428 1512882	60572	125562	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	3297 266895	8830 569136	17544 1189171	46331	98225	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 184274	7552 372329	11922 762125	36401	73379	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 290644	11888 594776	22394 1242949	56178	117779	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	5405 376820	13708 755779	27217 1537398	74529	151438	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	11001 878655	31464 1833117	57304 3794705	164773	341958	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	+++++ 246292	6847 540939	13997 +++++	42709	87278	+++++ 25.0	1.00 50.0	2.00 +++++	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	3198 226244	7982 469642	15063 971356	40186	90424	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 421443

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2018 16:17 Calibration End Date: 06/25/2018 19:02 Calibration ID: 34188

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	10397 780286	27080 1600437	60569 3231885	151140	322801	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	17208 1242529	44760 2589083	97110 5254967	241717	507913	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	++++ 273788	7860 569974	17812 1185258	45389	102279	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	6435 493240	19379 1017435	35426 2064542	94880	203302	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	6662 482648	15479 1022508	34845 2044254	94748	191105	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	8761 839537	27870 1742822	57466 3535303	159729	324006	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	++++ 122319	3304 277542	8164 ++++	21388	45280	++++ 25.0	1.00 50.0	2.00 ++++	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	16545 1265746	47186 2706439	85992 5374581	241986	503107	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	4914 342161	11909 691307	24300 1433381	68362	137575	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	3477 267225	9431 539975	18441 1137045	47474	107043	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	17101 1487778	53449 3120723	105948 6256200	283258	587694	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	1143 94279	3662 183283	5745 380024	16199	35728	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	1439 104865	3994 223308	7653 491935	20220	38353	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	3998 324159	11960 653604	22329 1335907	63650	133030	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	13044 1087403	36778 2234009	76403 4567901	206941	432938	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	14379 913407	31731 1925012	69903 3879895	184868	375825	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	3205 258677	8419 524820	18519 1098919	48835	100194	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	12756 1116313	38258 2357053	80371 4770913	219466	450958	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	15465 1392170	44348 2931784	95636 5891669	276475	545164	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	12952 1215219	35543 2579028	78765 5211111	233265	486470	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	9482 691500	24188 1379156	51440 2805212	136496	266332	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1 Analy Batch No.: 421443

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2018 16:17 Calibration End Date: 06/25/2018 19:02 Calibration ID: 34188

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	10267 696914	27383 1414149	55472 2851401	134365	276927	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	11529 1106187	38254 2293162	76833 4727171	208248	426064	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	9147 650223	24001 1317765	45967 2693324	129224	267893	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	++++ 37674	1108 86314	2252 ++++	6391	14483	++++ 25.0	1.00 50.0	2.00 ++++	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	5876 474488	17229 971474	29918 2001164	88002	184722	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	++++ 203341	6354 443092	13792 918166	38778	80028	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	12067 1069266	31979 2186756	68317 4571572	185726	380155	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	6062 448782	16167 911245	29824 1889472	82907	173036	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	224770 239964	224137 238053	225937 243116	225908	236971	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	289914 297103	284702 289014	282405 293480	288943	277981	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	837244 834342	820049 834010	819893 844486	841639	823372	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	247935 257959	249852 255930	249189 261898	253333	264123	25.0 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: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
 Lims ID: IC 0.4
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 25-Jun-2018 16:17:30 ALS Bottle#: 3 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.4
 Misc. Info.: 480-0072610-007
 Operator ID: LH/ZV Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 26-Jun-2018 16:42:24 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK041

First Level Reviewer: velickovics

Date: 26-Jun-2018 09:21:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	98	188760	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.180	-0.010	89	753932	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	97	419030	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	92	224770	25.0	23.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	289914	25.0	24.9	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.051	0.000	95	837244	25.0	25.7	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.113	0.000	0	247935	25.0	24.9	
11 Dichlorodifluoromethane	85	1.253	1.242	0.011	27	2645	0.4000	0.2709	
13 Chloromethane	50	1.398	1.398	0.000	79	7866	0.4000	0.4738	
14 Vinyl chloride	62	1.481	1.481	0.000	65	4536	0.4000	0.3436	a
151 Butadiene	54	1.481	1.501	-0.020	83	5580	0.4000	0.3925	M
15 Bromomethane	94	1.781	1.781	0.000	51	4572	0.4000	0.4964	M
16 Chloroethane	64	1.823	1.843	-0.020	53	4049	0.4000	0.4959	M
17 Trichlorofluoromethane	101	2.051	2.071	-0.020	56	5684	0.4000	0.3448	
18 Dichlorofluoromethane	67	2.071	2.071	0.000	94	8316	0.4000	0.4344	M
19 Ethyl ether	59	2.320	2.310	0.010	81	4890	0.4000	0.4823	
21 Acrolein	56	2.496	2.486	0.010	35	3127	2.00	2.05	M
22 1,1-Dichloroethene	96	2.507	2.517	-0.010	88	2260	0.4000	0.2480	M
20 1,1,2-Trichloro-1,2,2-trif	101	2.527	2.527	0.000	55	2580	0.4000	0.2515	a
23 Acetone	43	2.641	2.641	0.000	98	8322	2.00	2.44	
24 Iodomethane	142	2.672	2.672	0.000	97	5922	0.4000	0.3273	
25 Carbon disulfide	76	2.703	2.703	0.000	92	7637	0.4000	0.2711	
27 3-Chloro-1-propene	41	2.859	2.859	0.000	86	7737	0.4000	0.4088	
28 Methyl acetate	43	2.900	2.900	0.000	98	8523	0.8000	0.9759	M
30 Methylene Chloride	84	2.994	2.994	0.000	94	15126	0.4000	0.6790	Ma
31 2-Methyl-2-propanol	59	3.159	3.159	0.000	37	3691	4.00	3.82	Ma
33 Methyl tert-butyl ether	73	3.180	3.180	0.000	96	10186	0.4000	0.3616	
32 trans-1,2-Dichloroethene	96	3.191	3.191	0.000	85	3286	0.4000	0.3233	
34 Acrylonitrile	53	3.253	3.253	0.000	98	16130	4.00	3.93	
35 Hexane	57	3.346	3.356	-0.010	92	5761	0.4000	0.3091	a

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	3.553	3.553	0.000	94	6913	0.4000	0.3442	a
39 Vinyl acetate	43	3.595	3.595	0.000	96	13047	0.8000	0.6538	Ma
42 2,2-Dichloropropane	77	3.988	3.999	-0.011	31	4062	0.4000	0.2908	a
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	81	4950	0.4000	0.4016	
44 2-Butanone (MEK)	43	4.061	4.051	0.010	98	9127	2.00	1.92	M
48 Tetrahydrofuran	42	4.237	4.227	0.010	73	2487	0.8000	0.7984	
47 Chlorobromomethane	128	4.227	4.227	0.000	92	2380	0.4000	0.3872	
50 Chloroform	83	4.279	4.289	-0.010	97	7791	0.4000	0.4086	a
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	87	4302	0.4000	0.2738	
52 Cyclohexane	56	4.382	4.382	0.000	92	5947	0.4000	0.2848	
53 Carbon tetrachloride	117	4.486	4.486	0.000	85	4292	0.4000	0.3194	Ma
54 1,1-Dichloropropene	75	4.496	4.496	0.000	76	3337	0.4000	0.2413	
55 Benzene	78	4.662	4.662	0.000	41	12953	0.4000	0.3392	
56 Isobutyl alcohol	43	4.683	4.672	0.011	29	2621	10.0	7.03	
57 1,2-Dichloroethane	62	4.714	4.724	-0.010	94	7890	0.4000	0.4374	
59 n-Heptane	43	4.797	4.797	0.000	92	5327	0.4000	0.2851	
60 Trichloroethene	95	5.149	5.149	0.000	93	3600	0.4000	0.3365	
62 Methylcyclohexane	83	5.242	5.242	0.000	91	3753	0.4000	0.2119	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	76	3606	0.4000	0.3288	a
65 Dibromomethane	93	5.450	5.450	0.000	88	2899	0.4000	0.4353	a
66 1,4-Dioxane	88	5.439	5.450	-0.011	35	149	8.00	1.66	Ma
67 Dichlorobromomethane	83	5.553	5.564	-0.011	95	4143	0.4000	0.3245	Ma
69 2-Chloroethyl vinyl ether	63	5.771	5.771	0.000	81	2202	0.4000	0.3328	a
71 cis-1,3-Dichloropropene	75	5.875	5.885	-0.010	75	3794	0.4000	0.2635	
72 4-Methyl-2-pentanone (MIBK)	43	5.989	5.989	0.000	97	16467	2.00	1.75	
73 Toluene	92	6.103	6.103	0.000	95	9216	0.4000	0.3610	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	89	4360	0.4000	0.3529	
77 Ethyl methacrylate	69	6.331	6.331	0.000	34	3297	0.4000	0.3419	a
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	86	2188	0.4000	0.3107	
79 Tetrachloroethene	166	6.496	6.507	-0.011	75	3775	0.4000	0.3303	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	93	5405	0.4000	0.3798	
81 2-Hexanone	43	6.621	6.621	0.000	95	11001	2.00	1.70	
82 Chlorodibromomethane	129	6.766	6.766	0.000	75	2453	0.4000	0.2921	a
83 Ethylene Dibromide	107	6.849	6.849	0.000	91	3198	0.4000	0.3806	
86 Chlorobenzene	112	7.201	7.201	0.000	94	10397	0.4000	0.3524	
88 Ethylbenzene	91	7.253	7.253	0.000	98	17208	0.4000	0.3614	
89 1,1,1,2-Tetrachloroethane	131	7.274	7.274	0.000	51	2357	0.4000	0.2407	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	6435	0.4000	0.3437	
91 o-Xylene	106	7.667	7.667	0.000	94	6662	0.4000	0.3687	a
92 Styrene	104	7.688	7.688	0.000	86	8761	0.4000	0.2908	Ma
93 Bromoform	173	7.885	7.885	0.000	13	969	0.4000	0.2243	M
95 Isopropylbenzene	105	7.947	7.947	0.000	96	16545	0.4000	0.3537	a
97 Bromobenzene	156	8.227	8.227	0.000	88	4914	0.4000	0.3866	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	46	3477	0.4000	0.3594	a
99 N-Propylbenzene	91	8.279	8.279	0.000	97	17101	0.4000	0.3166	
100 1,2,3-Trichloropropane	110	8.300	8.289	0.011	48	1143	0.4000	0.3462	
101 trans-1,4-Dichloro-2-buten	53	8.300	8.300	0.000	37	1439	0.4000	0.3638	
105 2-Chlorotoluene	126	8.372	8.372	0.000	97	3998	0.4000	0.3373	a
104 1,3,5-Trimethylbenzene	105	8.414	8.414	0.000	96	13044	0.4000	0.3325	
102 4-Chlorotoluene	91	8.465	8.455	0.010	97	14379	0.4000	0.4104	
106 tert-Butylbenzene	134	8.683	8.683	0.000	93	3205	0.4000	0.3446	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	95	12756	0.4000	0.3131	

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	8.859	8.859	0.000	92	15465	0.4000	0.3108	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	93	12952	0.4000	0.3036	
110 1,3-Dichlorobenzene	146	8.983	8.983	0.000	95	9482	0.4000	0.3737	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	87	10267	0.4000	0.3876	
115 n-Butylbenzene	91	9.315	9.315	0.000	96	11529	0.4000	0.2932	
116 1,2-Dichlorobenzene	146	9.377	9.377	0.000	94	9147	0.4000	0.3766	
117 1,2-Dibromo-3-Chloropropan	75	10.051	10.041	0.010	1	642	0.4000	0.4885	a
119 1,2,4-Trichlorobenzene	180	10.683	10.693	-0.010	91	5876	0.4000	0.3455	a
120 Hexachlorobutadiene	225	10.787	10.797	-0.010	76	1922	0.4000	0.2545	
121 Naphthalene	128	10.901	10.901	0.000	94	12067	0.4000	0.3304	a
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	93	6062	0.4000	0.3726	
S 125 Total BTEX	1				0			1.77	
S 126 Xylenes, Total	1				0			0.7124	
S 123 1,3-Dichloropropene, Total	1				0			0.6164	
S 124 1,2-Dichloroethene, Total	1				0			0.7249	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00128

Amount Added: 0.40

Units: uL

GAS CORP mix_00288

Amount Added: 0.40

Units: uL

T_8260_IS_00195

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00173

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180625-72610.b\\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Operator ID: LH/ZV

Lims ID: IC 0.4

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

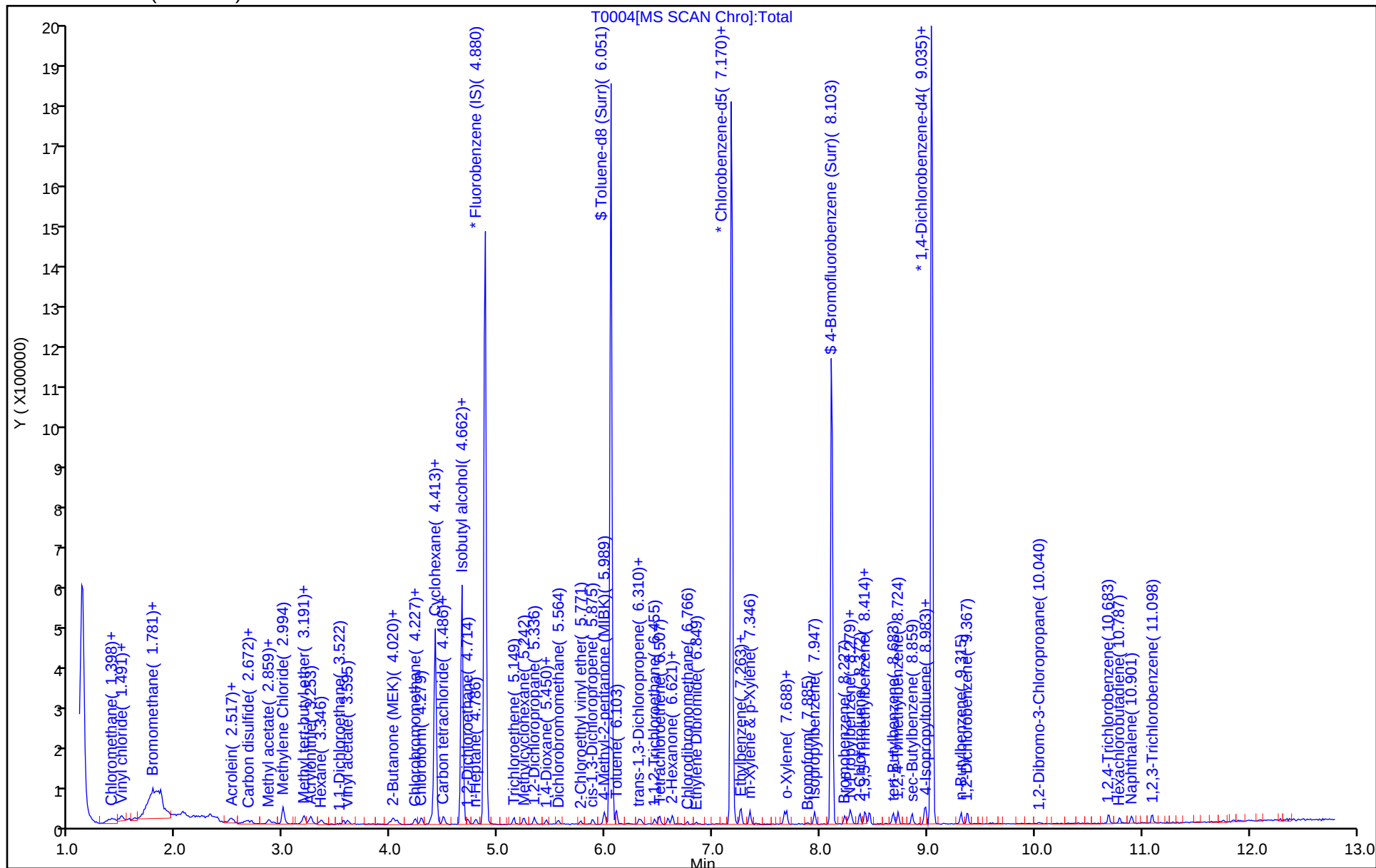
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

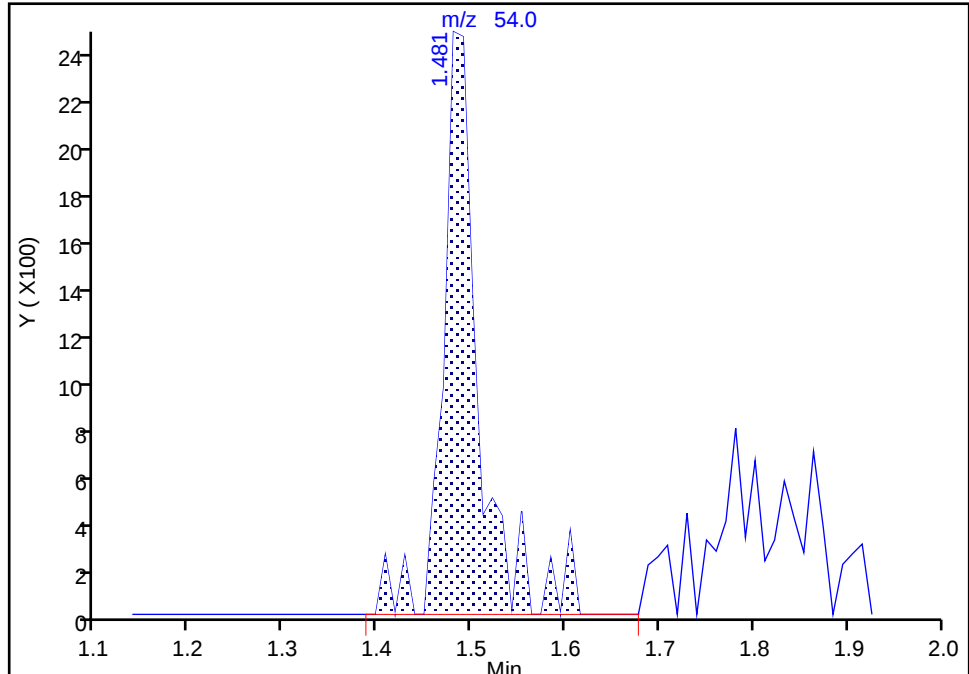
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
Injection Date: 25-Jun-2018 16:17:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

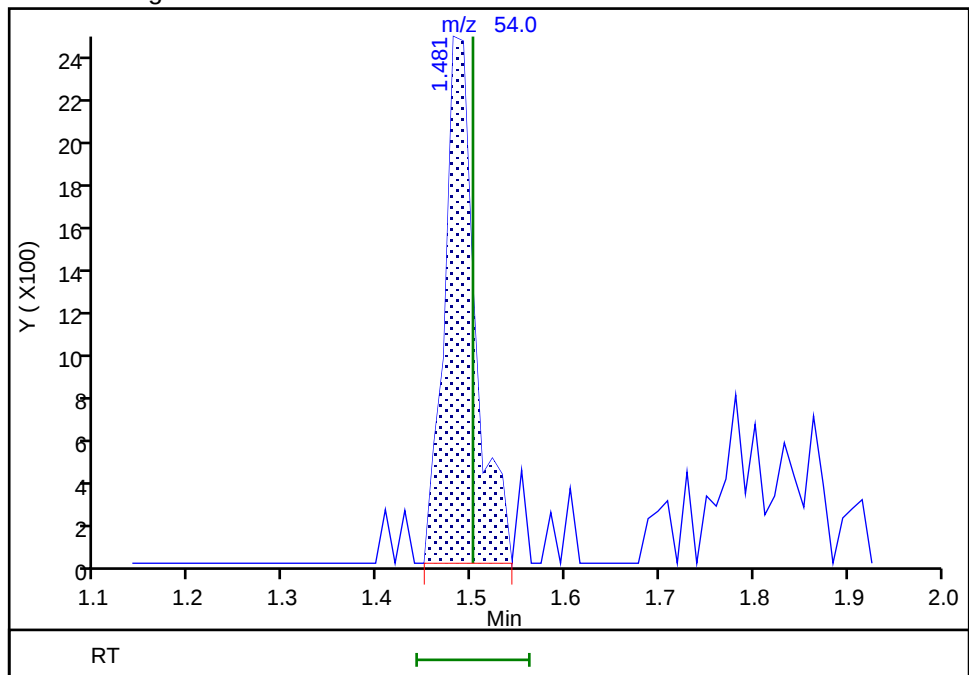
RT: 1.48
Area: 6519
Amount: 0.449260
Amount Units: ug/L

Processing Integration Results



RT: 1.48
Area: 5580
Amount: 0.392485
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:19:24
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

TestAmerica Buffalo

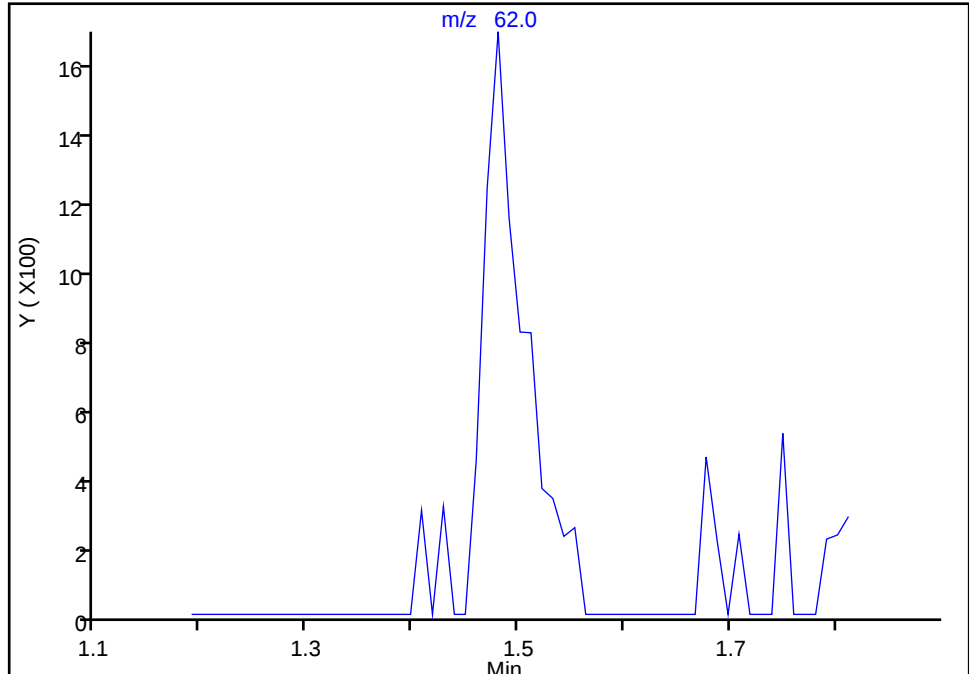
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
Injection Date: 25-Jun-2018 16:17:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

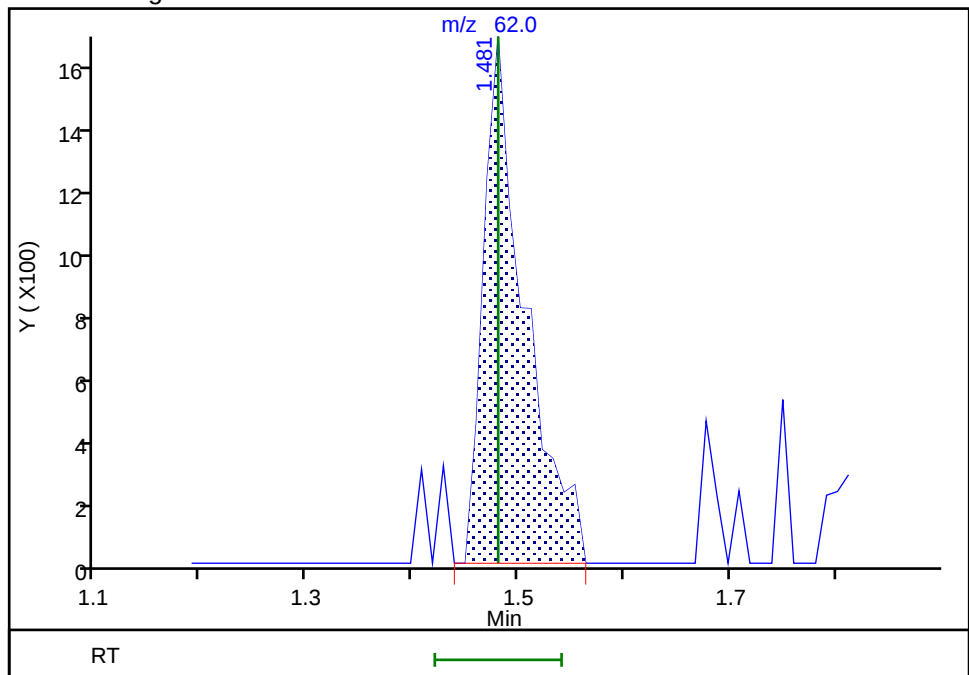
Signal: 1

Not Detected
Expected RT: 1.48

Processing Integration Results



Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:18:54
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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)

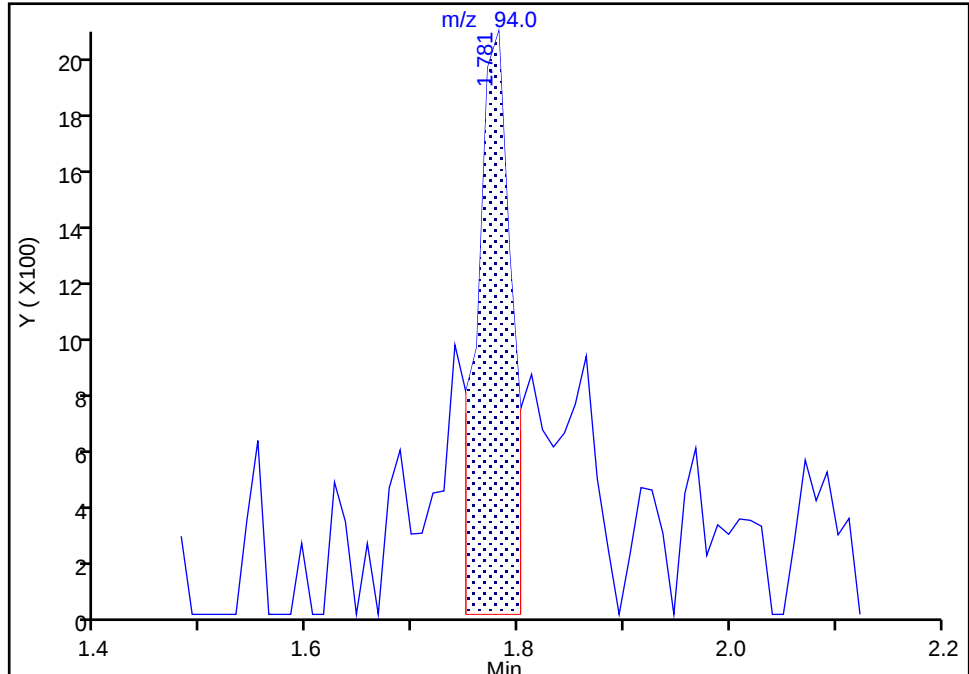
Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

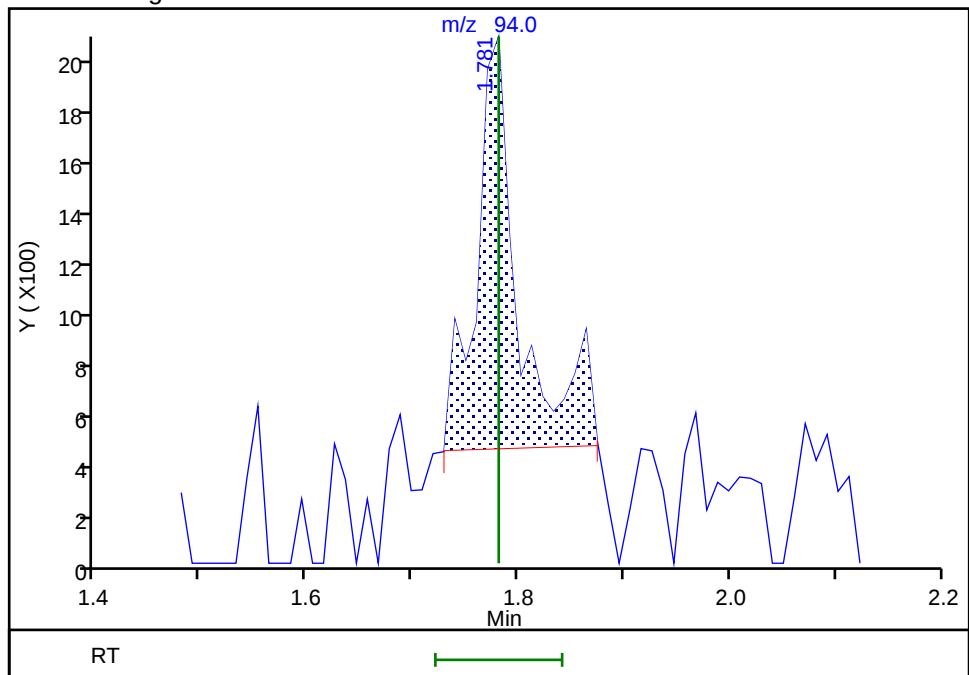
RT: 1.78
Area: 4883
Amount: 0.049617
Amount Units: ug/L

Processing Integration Results



RT: 1.78
Area: 4572
Amount: 0.496377
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Jun-2018 15:22:23

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

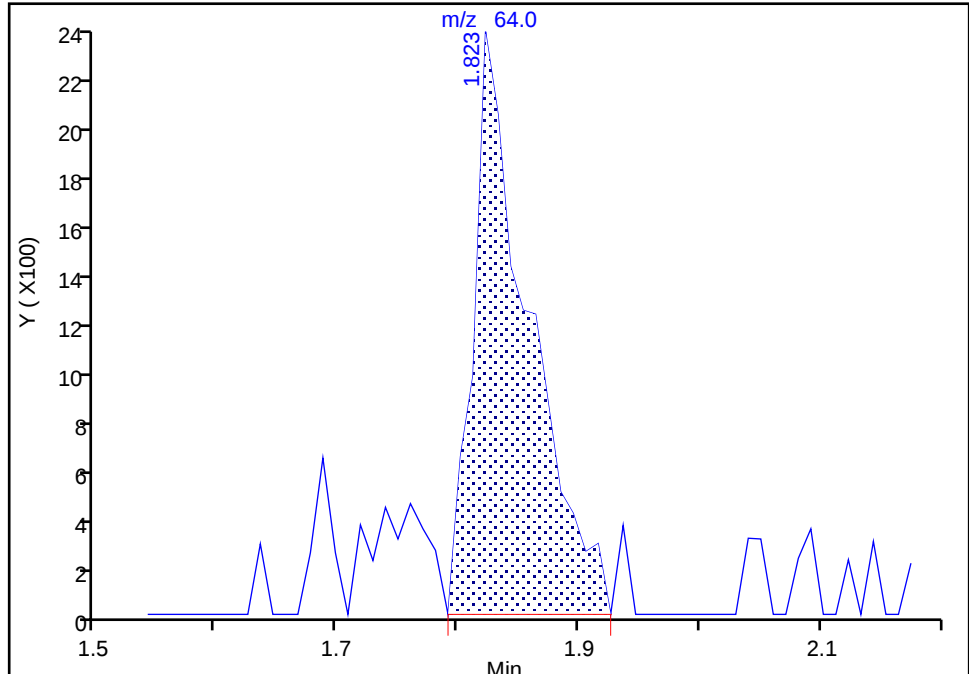
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
Injection Date: 25-Jun-2018 16:17:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

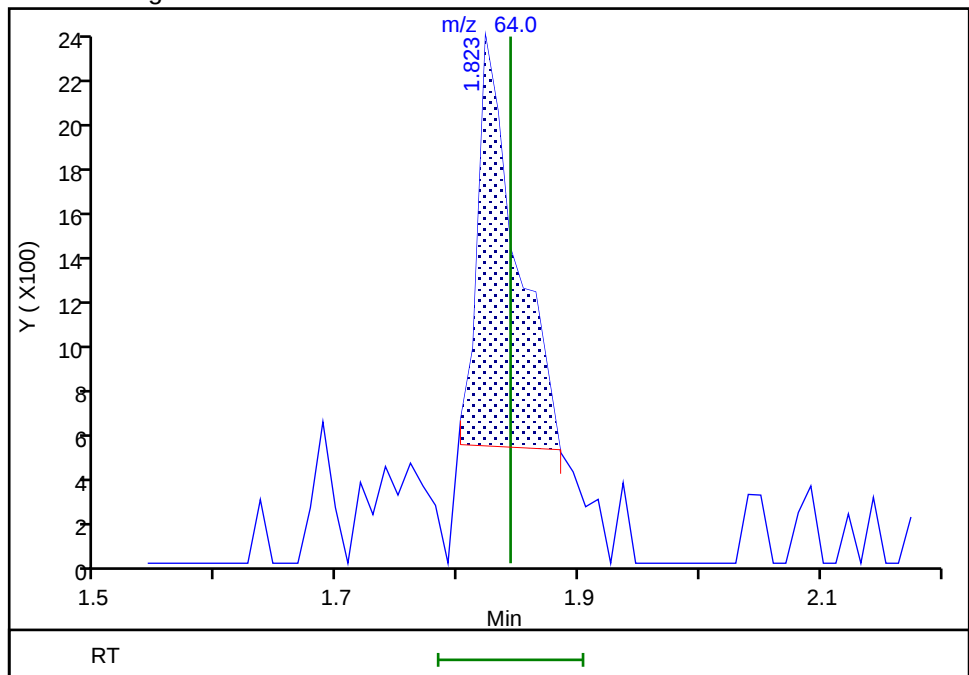
RT: 1.82
Area: 7545
Amount: 0.879928
Amount Units: ug/L

Processing Integration Results



RT: 1.82
Area: 4049
Amount: 0.495889
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Jun-2018 15:22:43
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

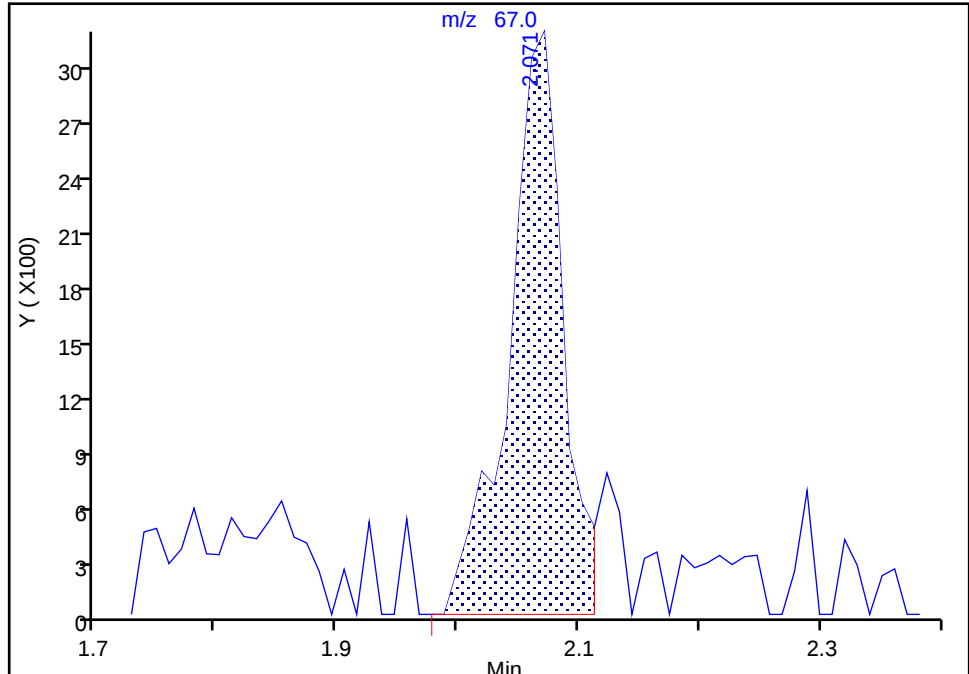
MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

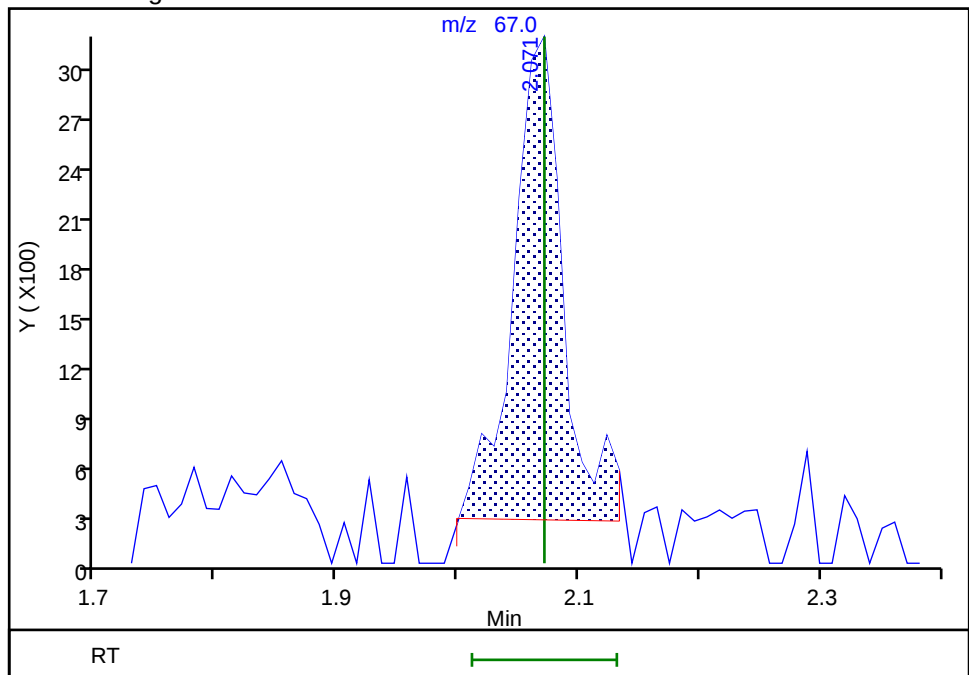
RT: 2.07
Area: 9748
Amount: 0.497579
Amount Units: ug/L

Processing Integration Results



RT: 2.07
Area: 8316
Amount: 0.434407
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Jun-2018 15:22:56

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

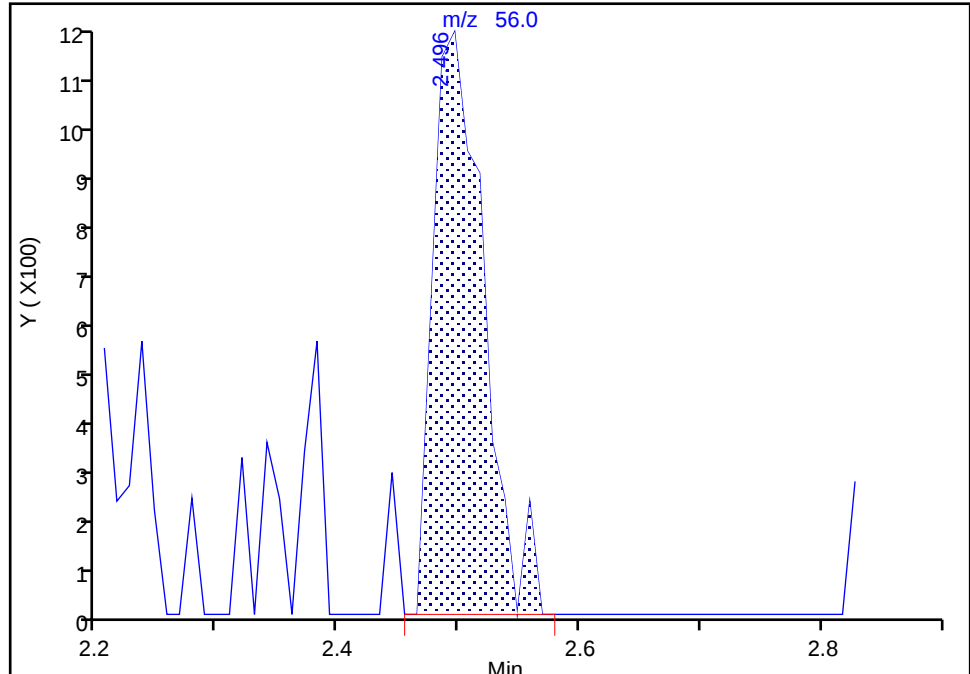
MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

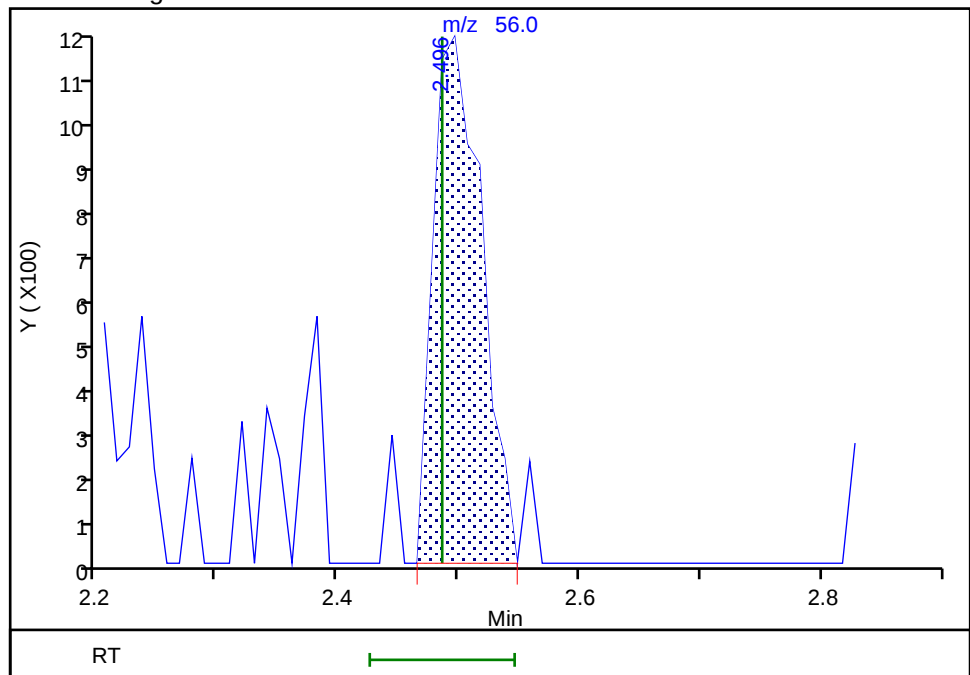
RT: 2.50
Area: 3262
Amount: 2.160556
Amount Units: ug/L

Processing Integration Results



RT: 2.50
Area: 3127
Amount: 2.051582
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:22:56

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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)

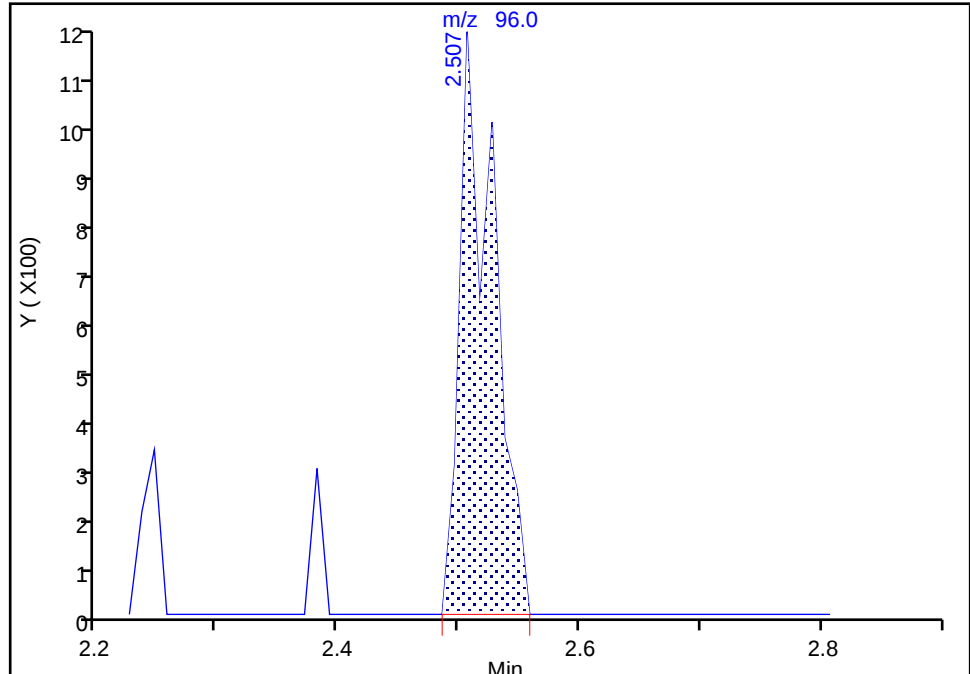
Detector: MS SCAN

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

Signal: 1

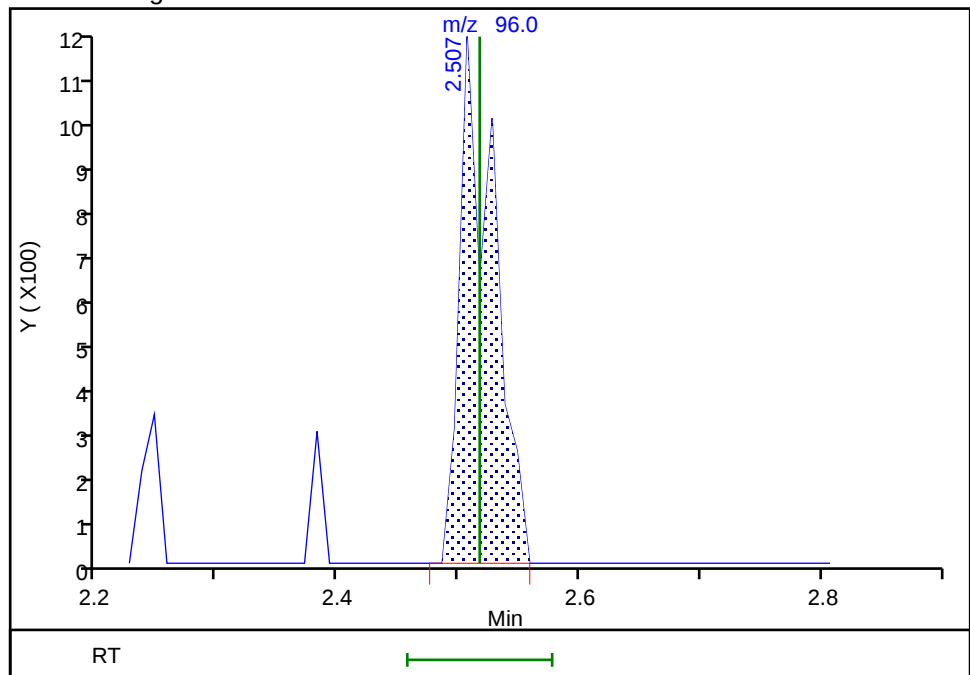
RT: 2.51
Area: 2260
Amount: 0.260402
Amount Units: ug/L

Processing Integration Results



RT: 2.51
Area: 2260
Amount: 0.248036
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:23:19

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

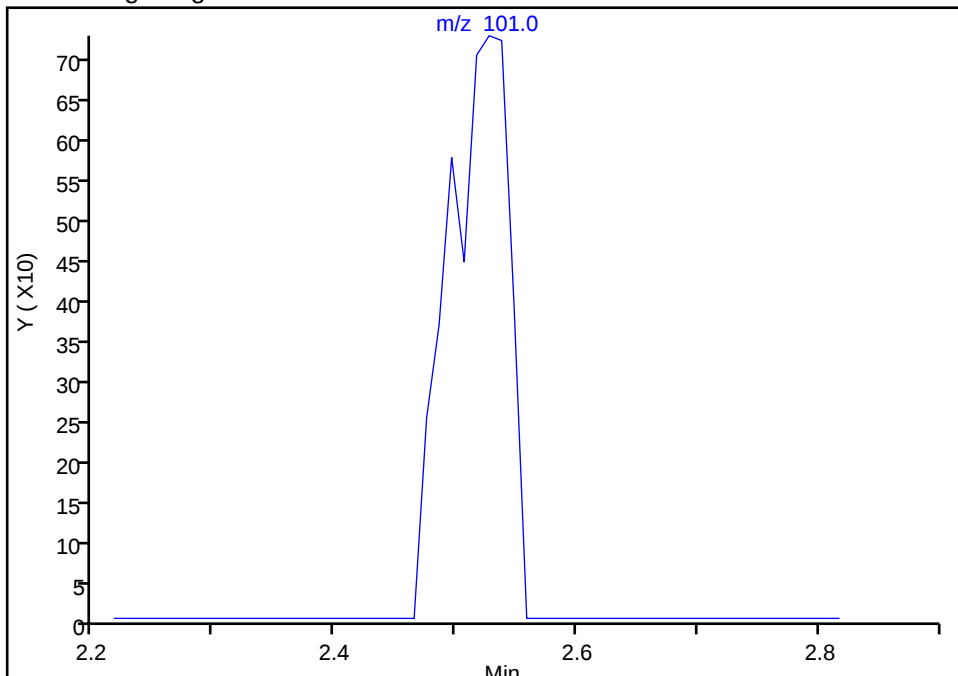
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
Injection Date: 25-Jun-2018 16:17:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

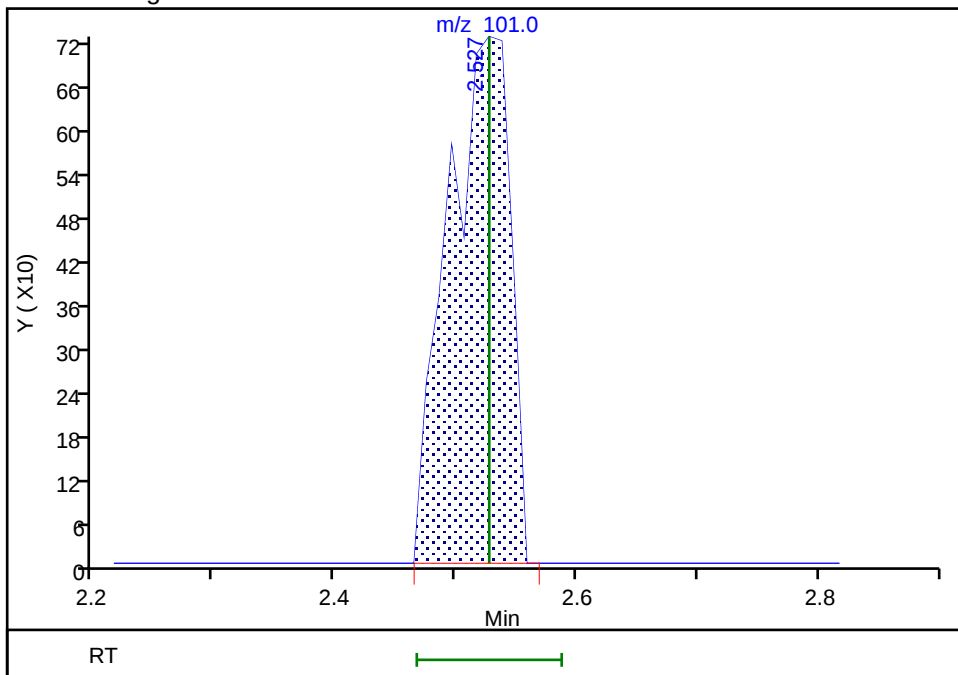
Not Detected
Expected RT: 2.53

Processing Integration Results



RT: 2.53
Area: 2580
Amount: 0.251465
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:24:15
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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)

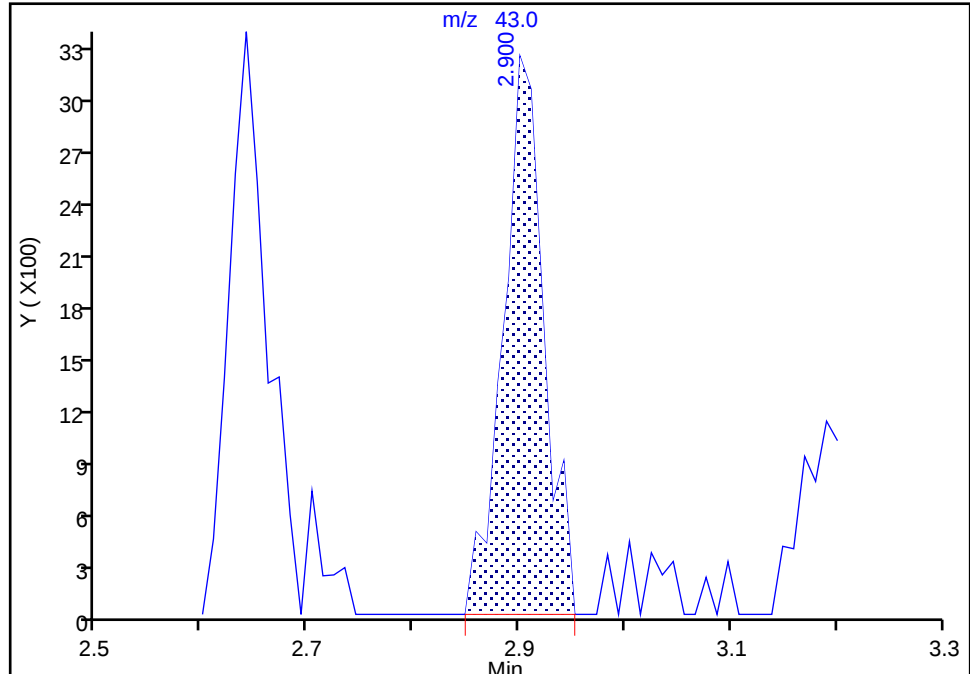
Detector: MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

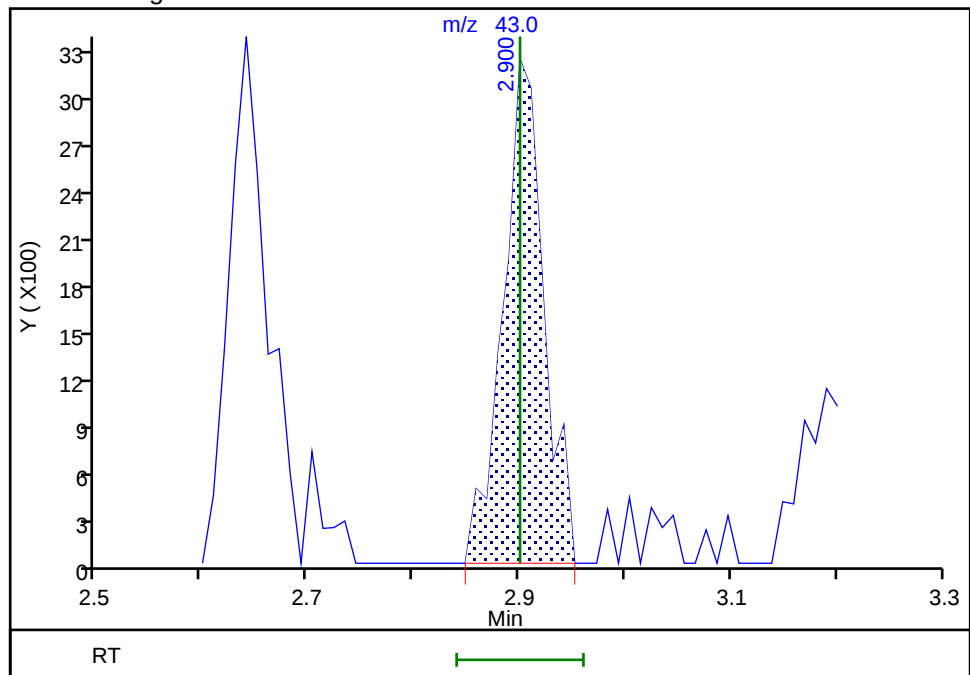
RT: 2.90
Area: 8523
Amount: 0.974572
Amount Units: ug/L

Processing Integration Results



RT: 2.90
Area: 8523
Amount: 0.975927
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:25:22

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

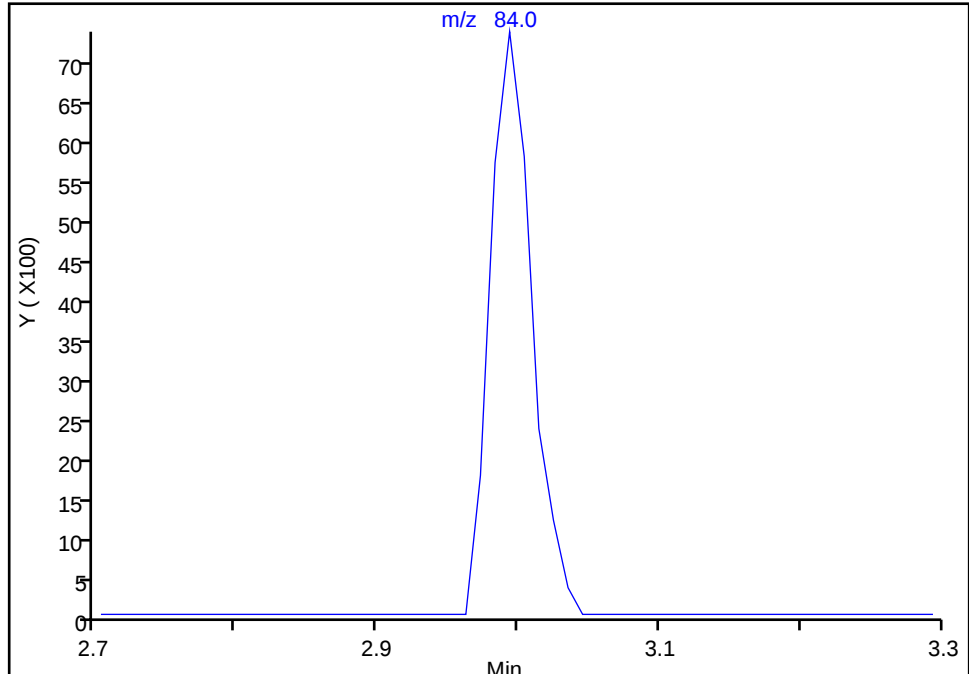
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
Injection Date: 25-Jun-2018 16:17:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

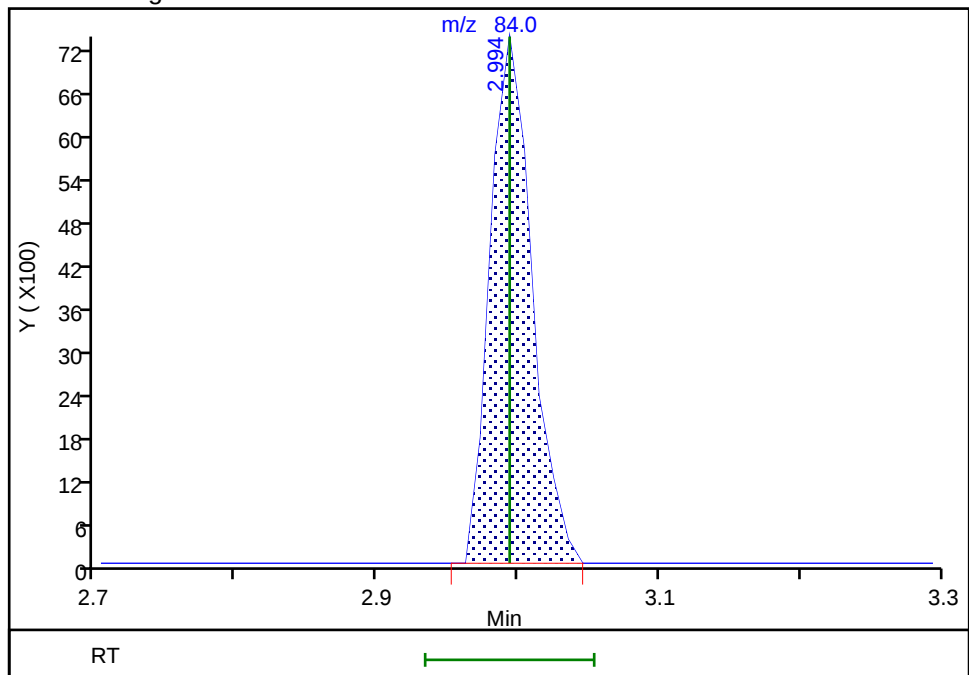
Not Detected
Expected RT: 2.99

Processing Integration Results



RT: 2.99
Area: 15126
Amount: 0.679030
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:25:34
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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)

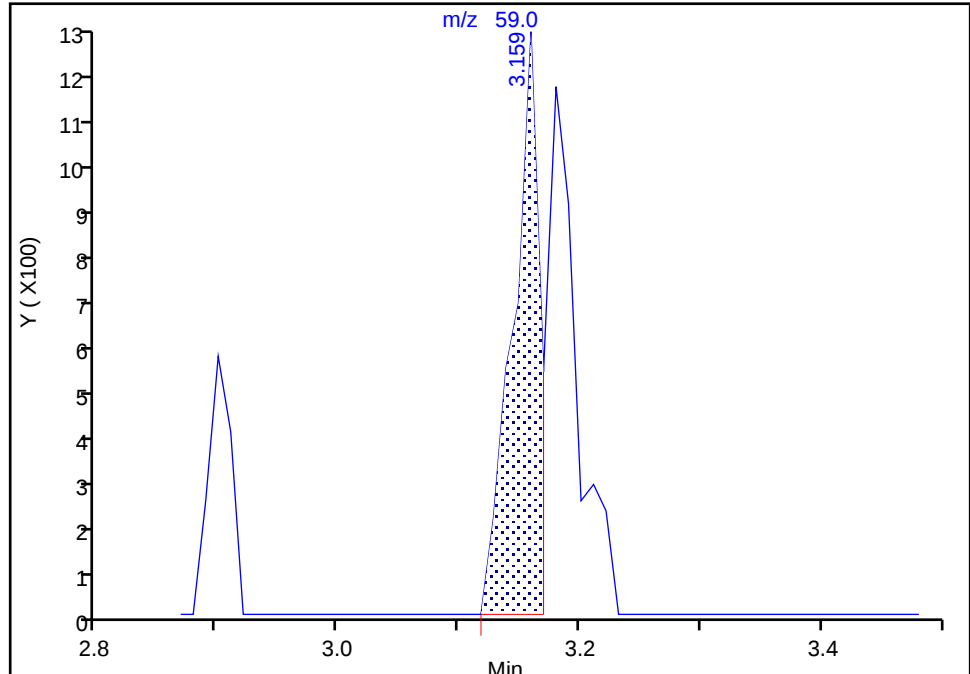
Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

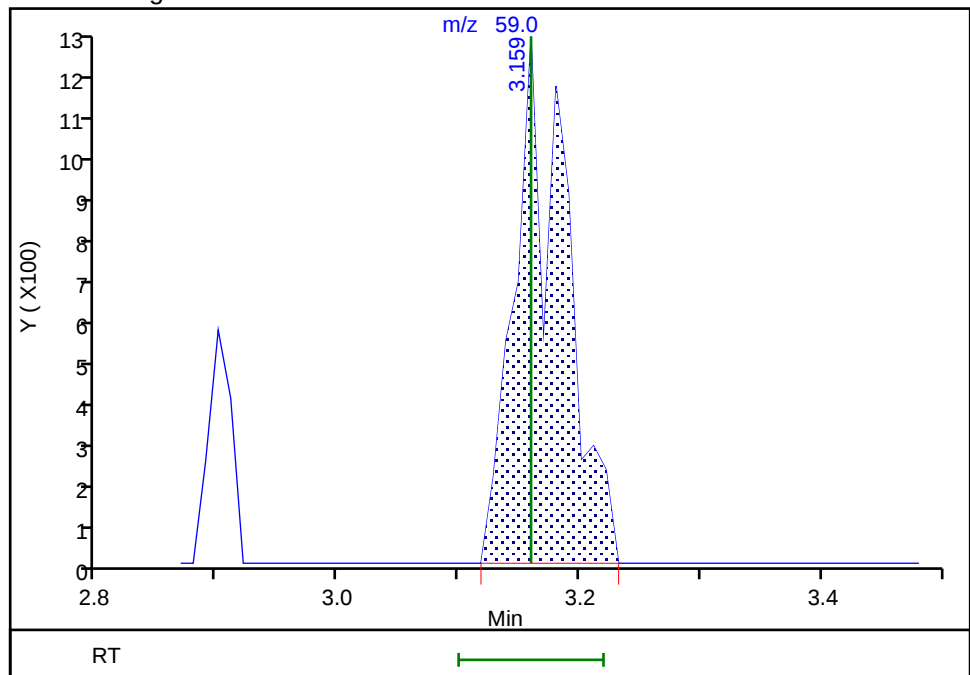
RT: 3.16
Area: 1975
Amount: 5.254351
Amount Units: ug/L

Processing Integration Results



RT: 3.16
Area: 3691
Amount: 3.819633
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:33:11

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

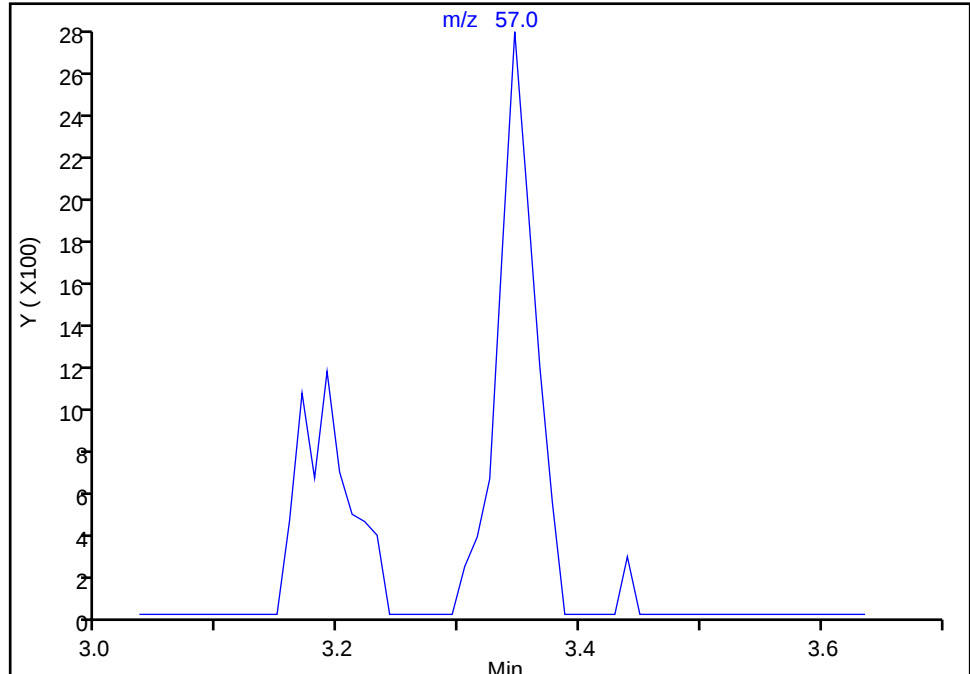
35 Hexane, CAS: 110-54-3

Signal: 1

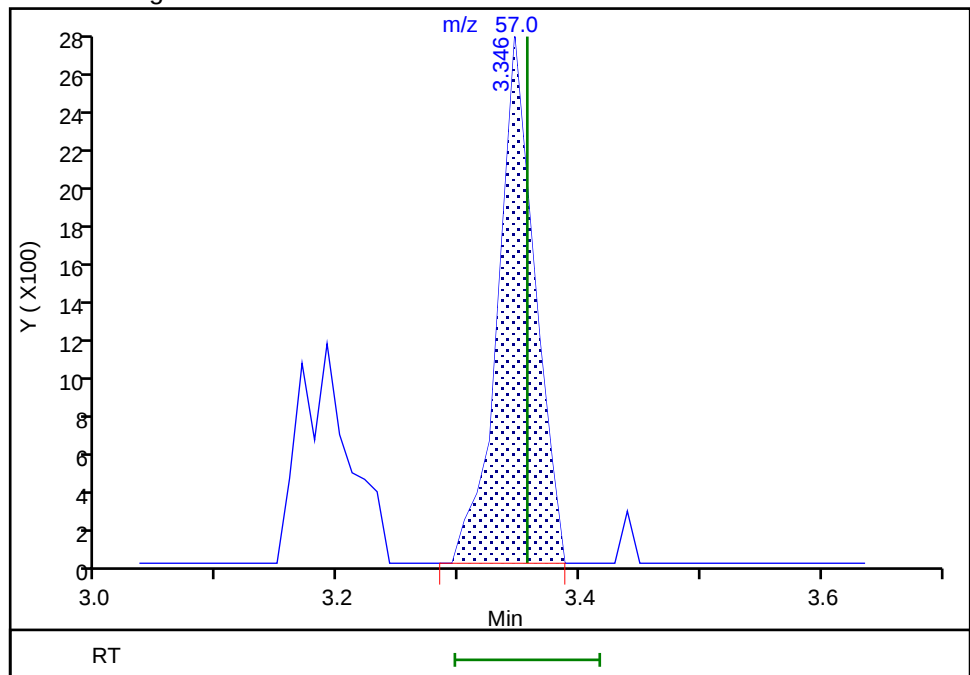
Not Detected

Expected RT: 3.36

Processing Integration Results



Manual Integration Results



RT: 3.35

Area: 5761

Amount: 0.309056

Amount Units: ug/L

Reviewer: velickovics, 26-Jun-2018 09:35:01

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

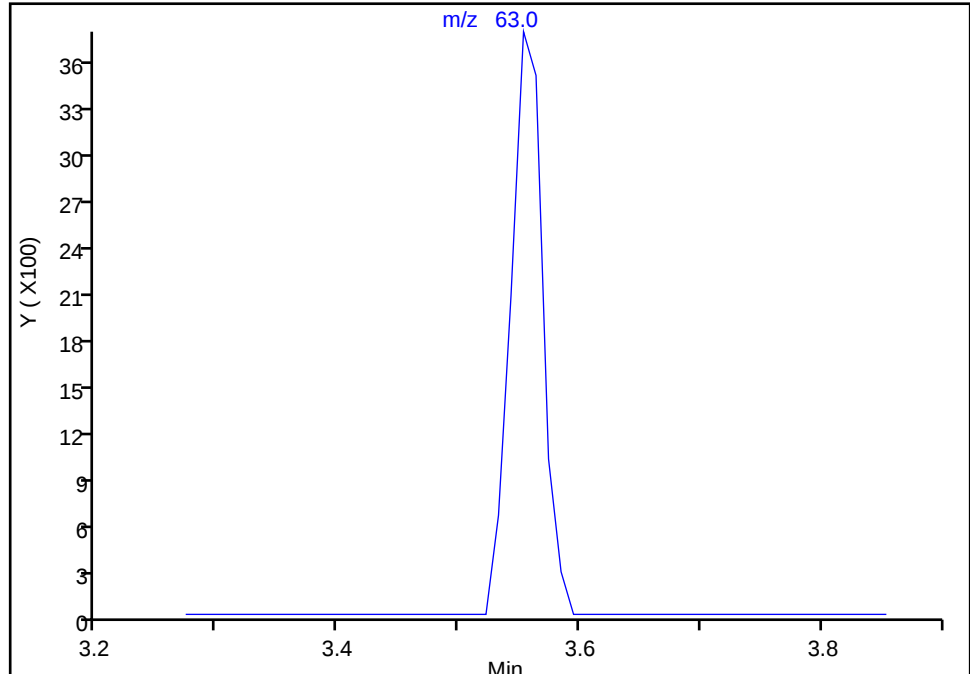
36 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

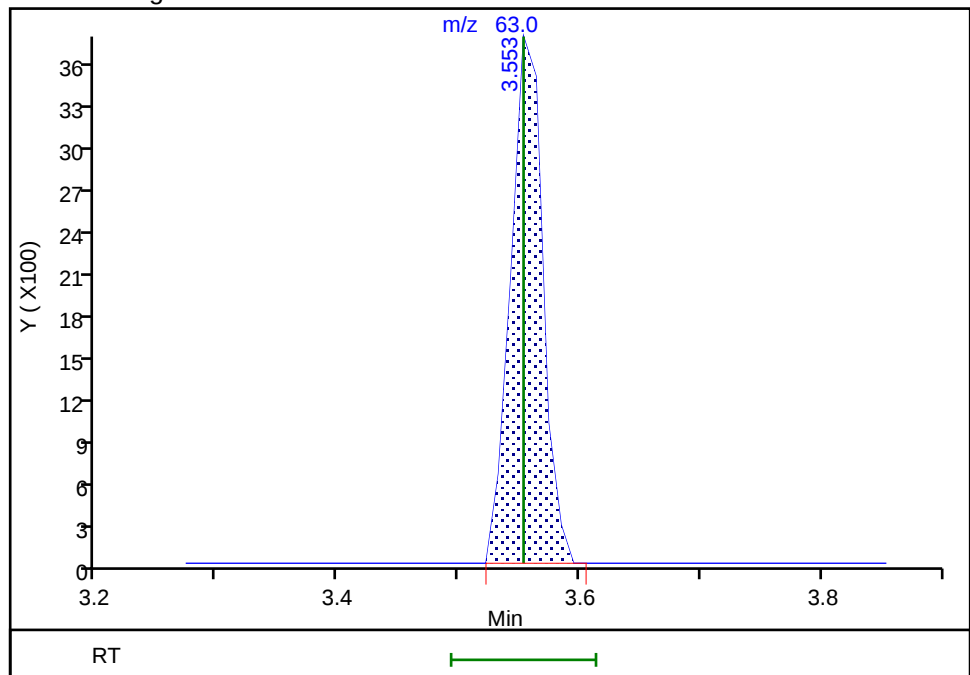
Not Detected

Expected RT: 3.55

Processing Integration Results



Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:35:15

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

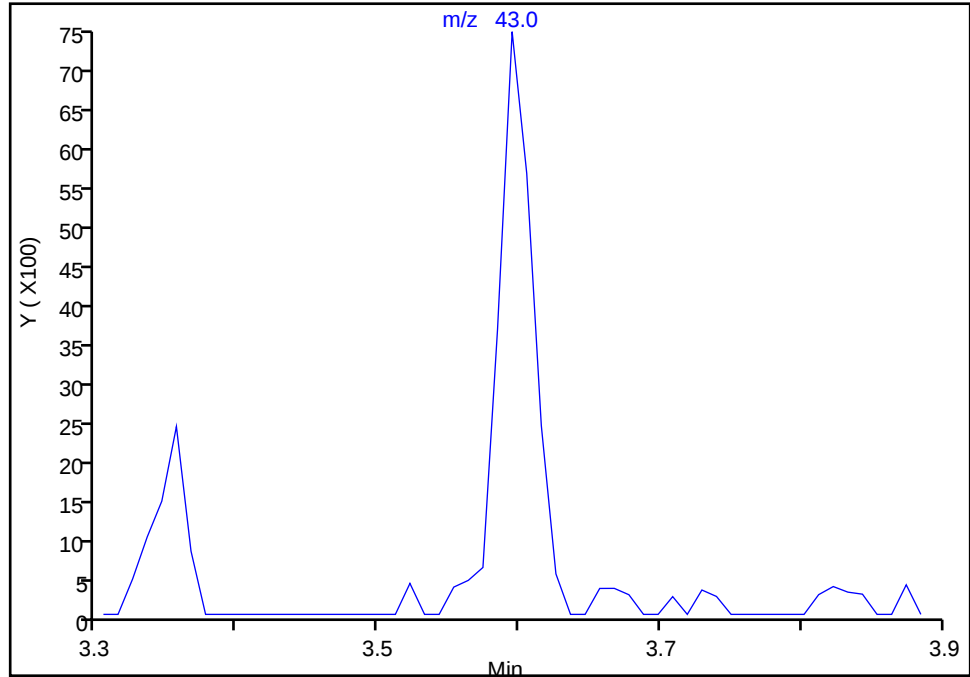
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
Injection Date: 25-Jun-2018 16:17:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

39 Vinyl acetate, CAS: 108-05-4

Signal: 1

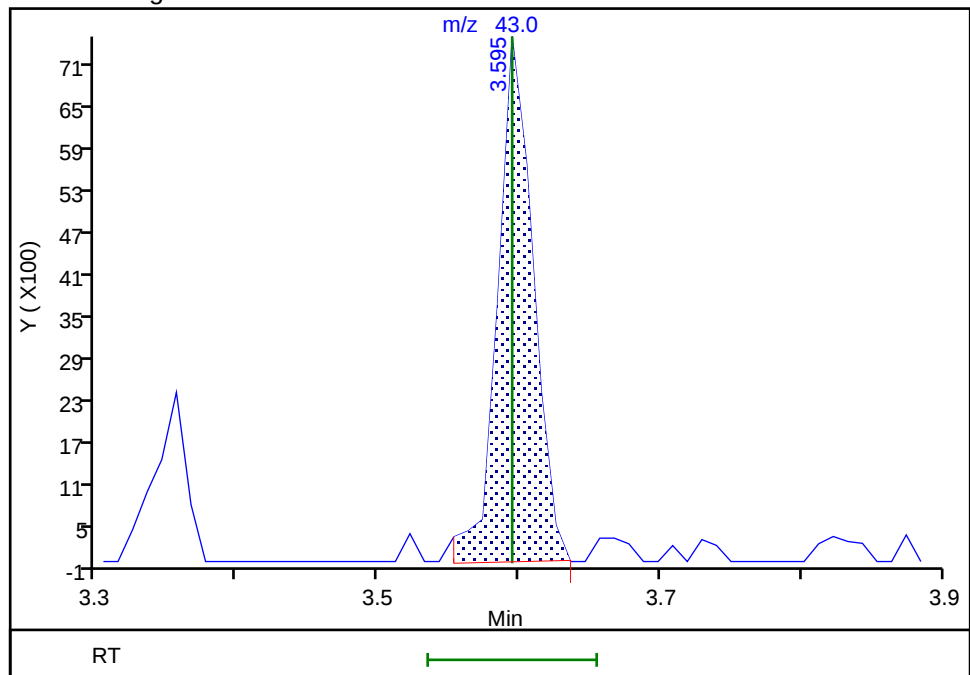
Not Detected
Expected RT: 3.59

Processing Integration Results



RT: 3.59
Area: 13047
Amount: 0.653814
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:35:58
Audit Action: Assigned New Baseline

Audit Reason: Poor chromatography
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

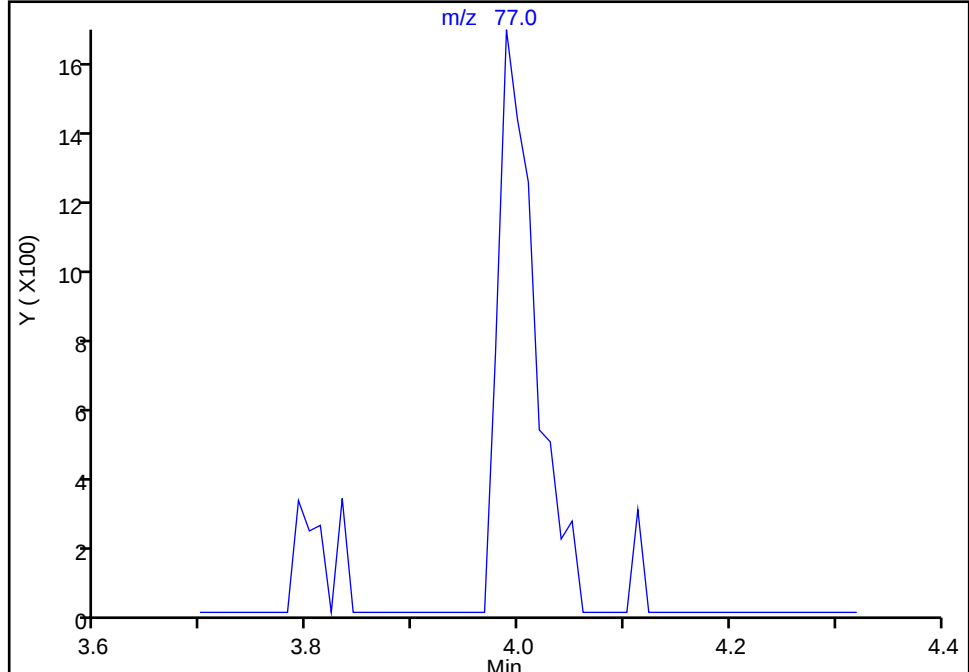
42 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

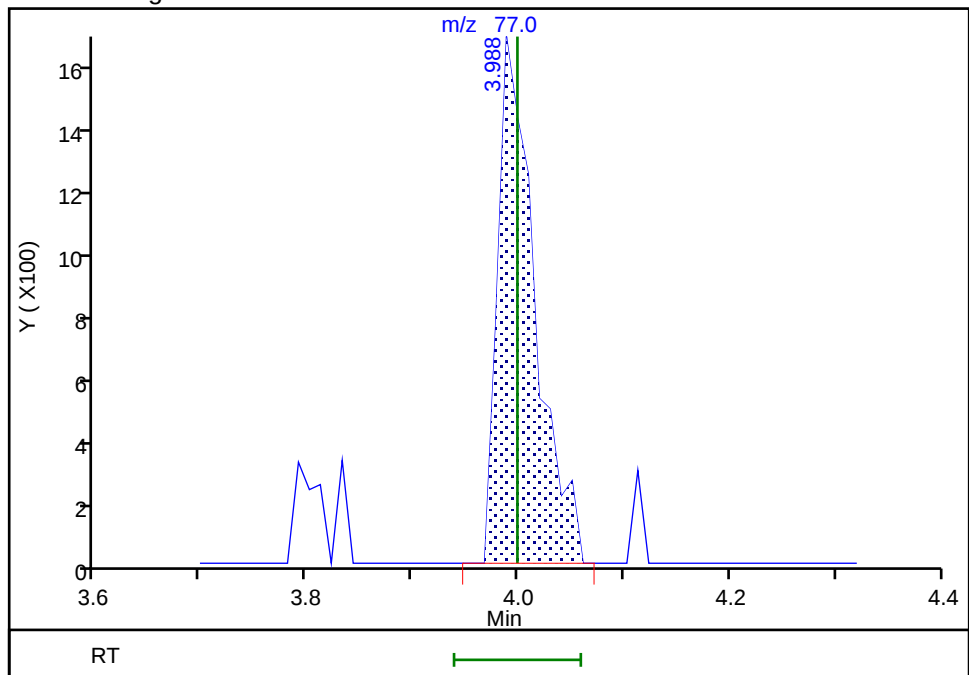
Not Detected

Expected RT: 4.00

Processing Integration Results



Manual Integration Results



RT: 3.99

Area: 4062

Amount: 0.290793

Amount Units: ug/L

Reviewer: velickovics, 26-Jun-2018 09:36:12

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

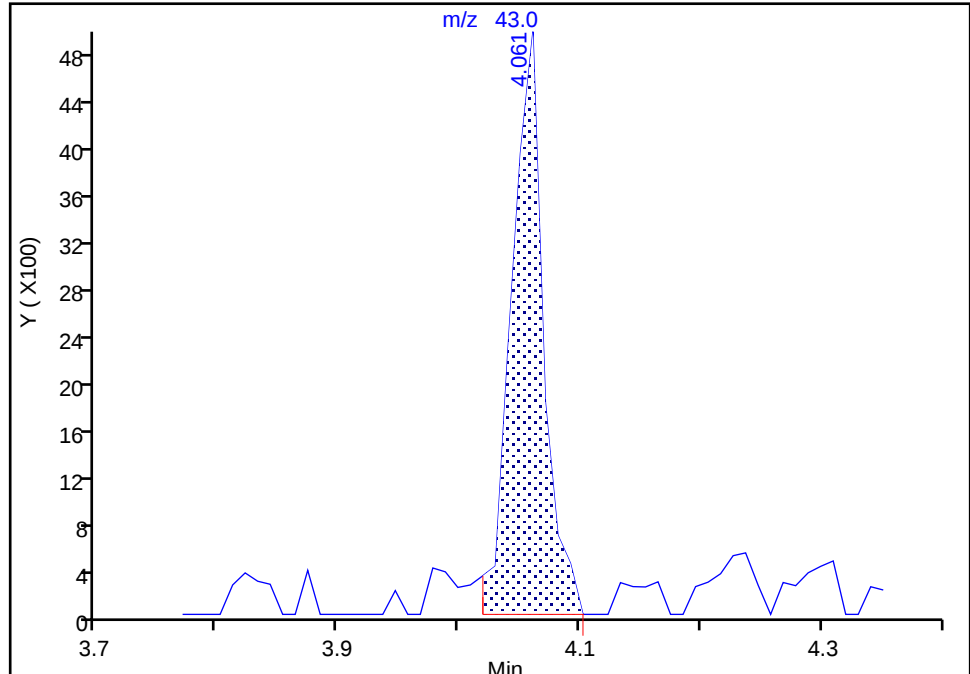
MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

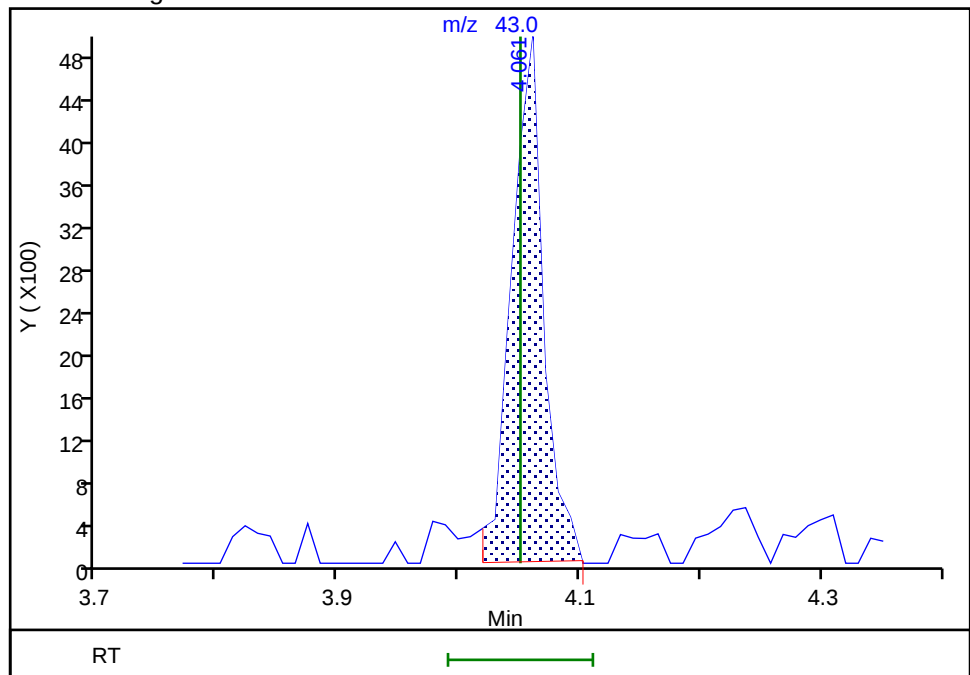
RT: 4.06
Area: 9214
Amount: 1.956759
Amount Units: ug/L

Processing Integration Results



RT: 4.06
Area: 9127
Amount: 1.924842
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:36:54

Audit Action: Assigned New Baseline

Audit Reason: Poor chromatography

TestAmerica Buffalo

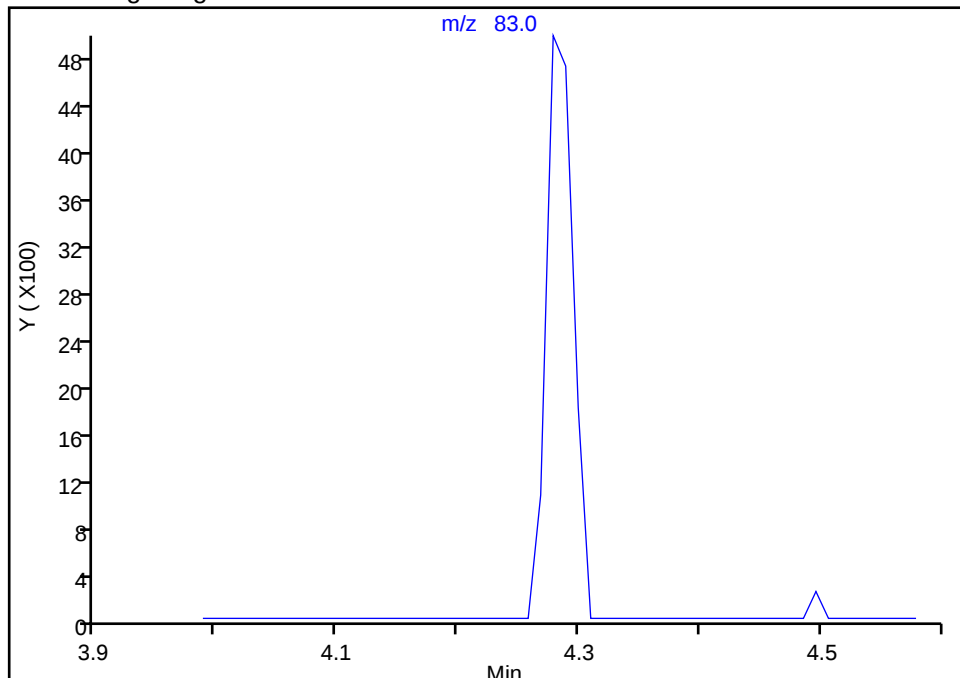
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
Injection Date: 25-Jun-2018 16:17:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

50 Chloroform, CAS: 67-66-3

Signal: 1

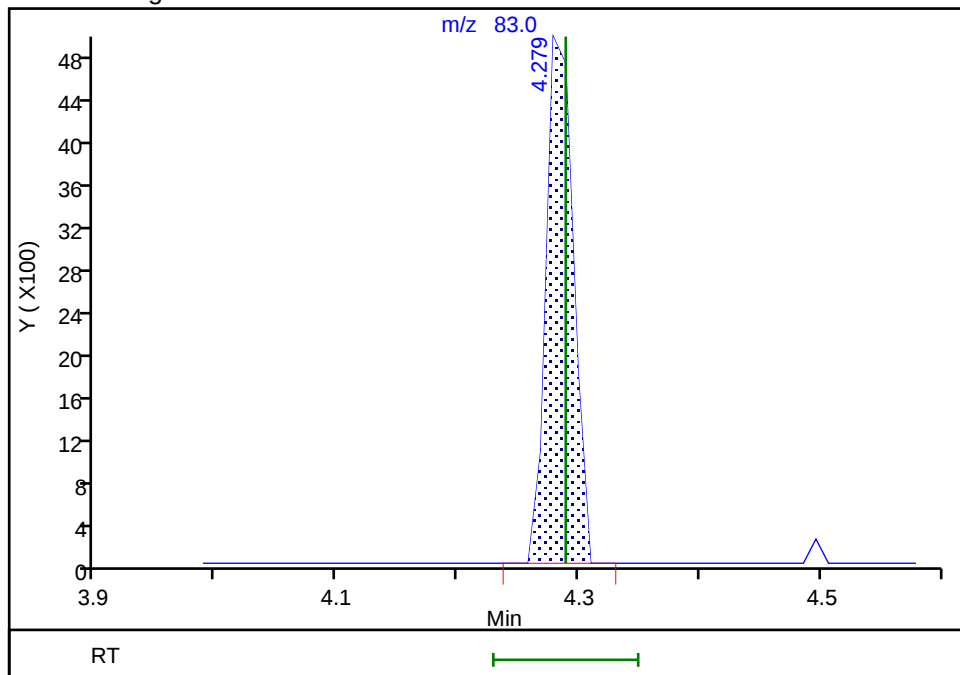
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.28
Area: 7791
Amount: 0.408563
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:37:17

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

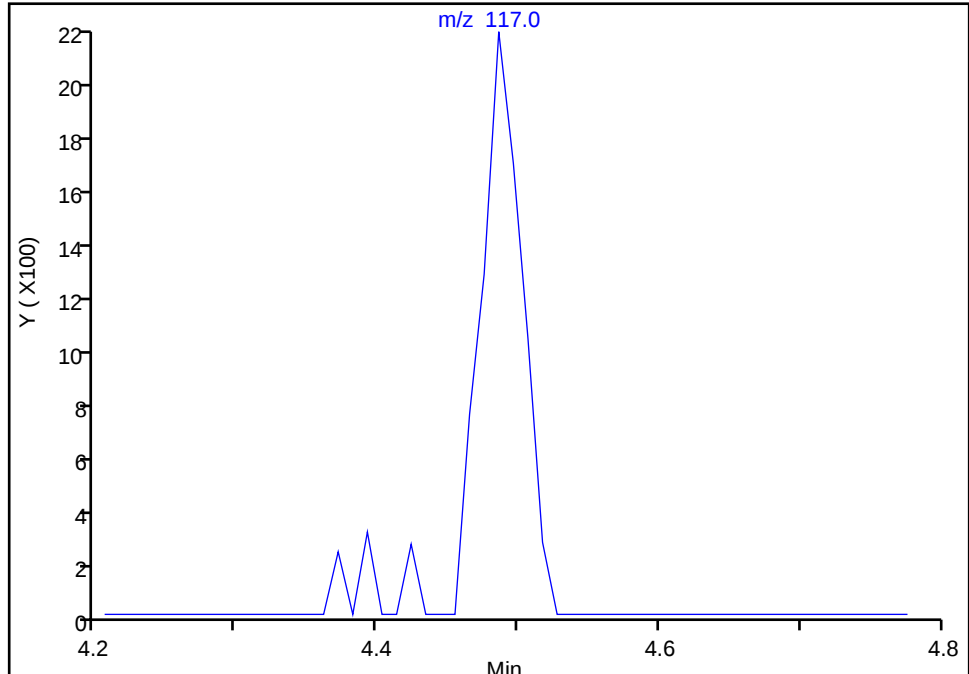
53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

Not Detected

Expected RT: 4.49

Processing Integration Results



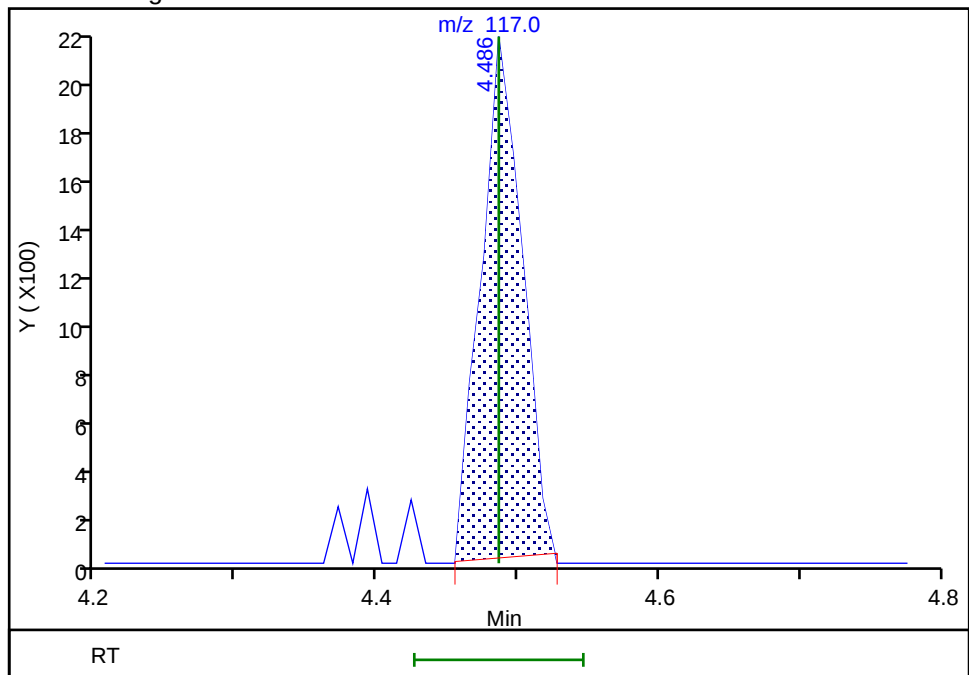
RT: 4.49

Area: 4292

Amount: 0.319355

Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:40:50

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

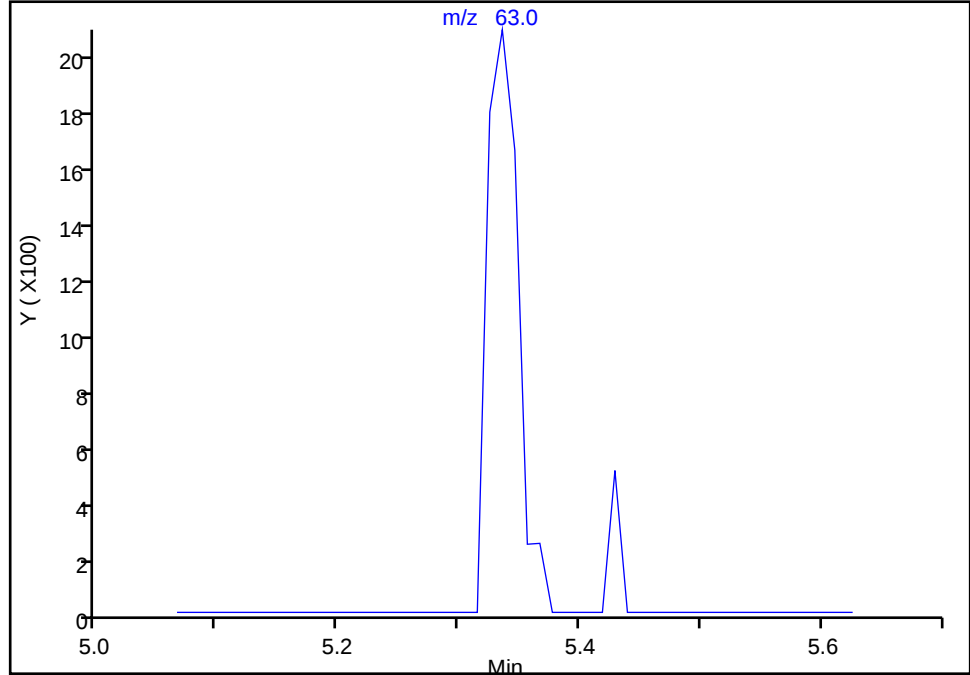
63 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

Not Detected

Expected RT: 5.34

Processing Integration Results



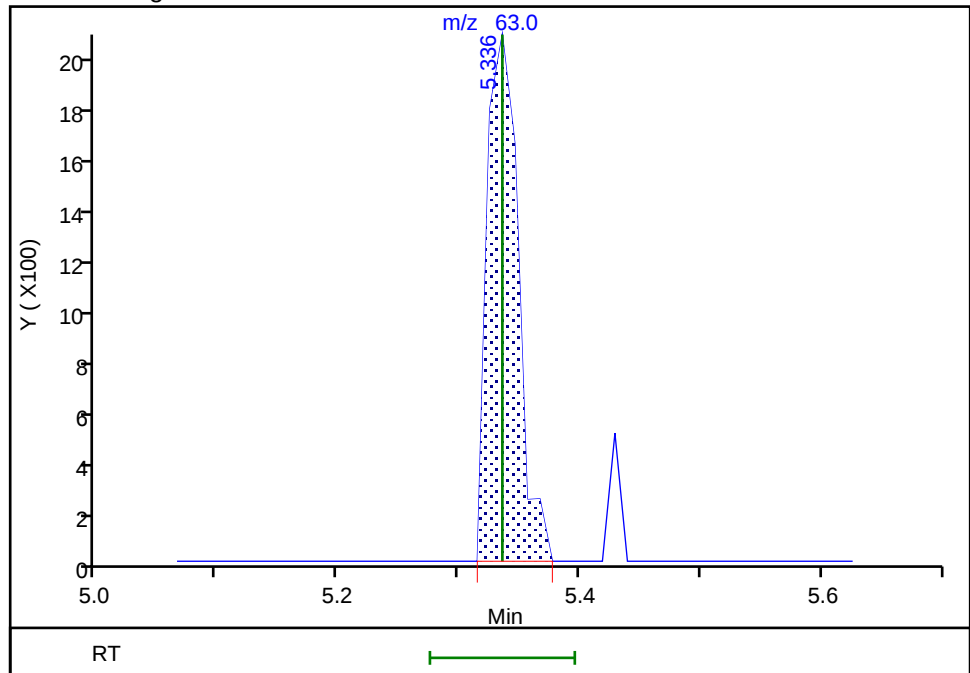
RT: 5.34

Area: 3606

Amount: 0.328814

Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:43:01

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

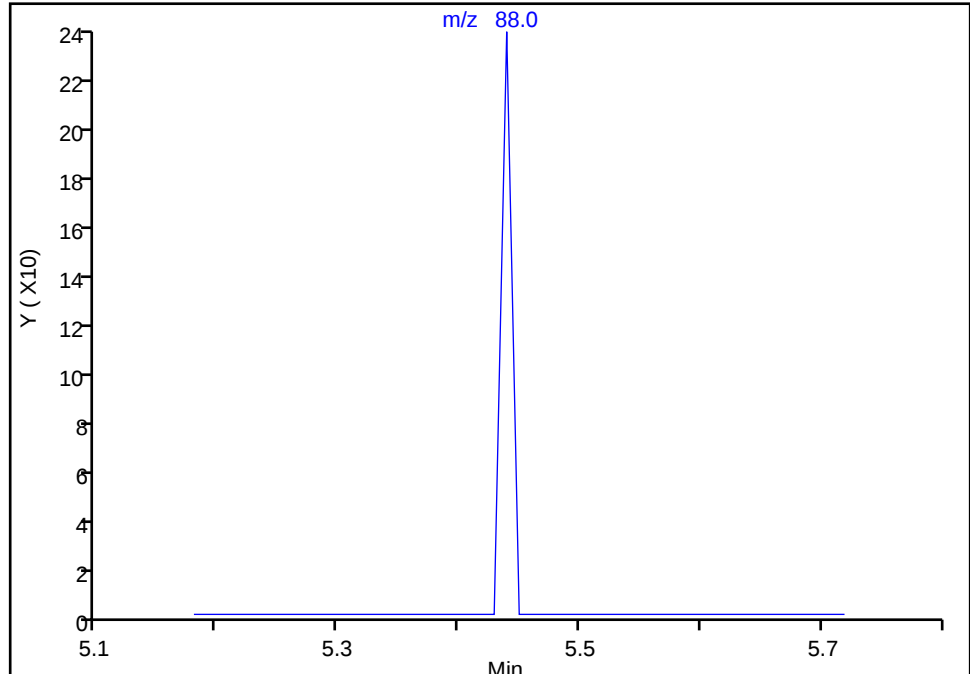
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

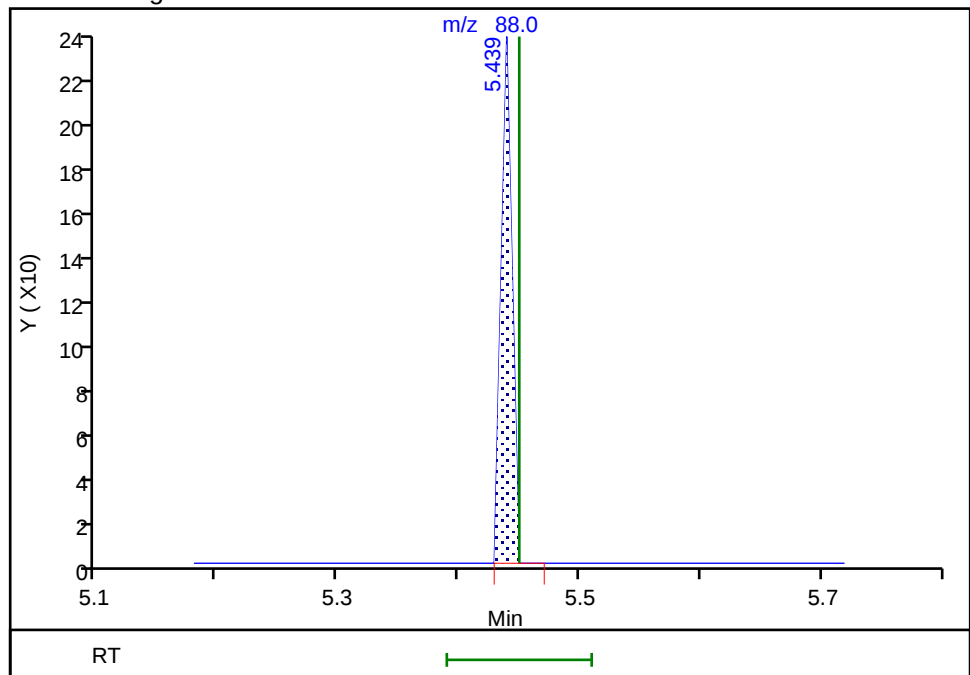
Not Detected

Expected RT: 5.45

Processing Integration Results



Manual Integration Results



RT: 5.44

Area: 149

Amount: 1.663198

Amount Units: ug/L

Reviewer: velickovics, 26-Jun-2018 09:43:32

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

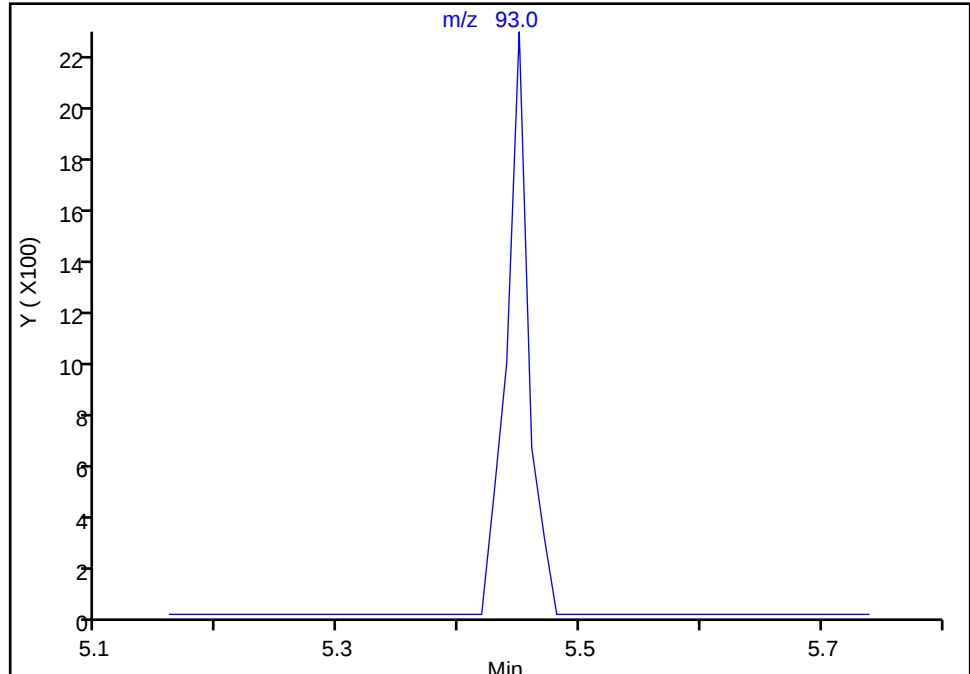
65 Dibromomethane, CAS: 74-95-3

Signal: 1

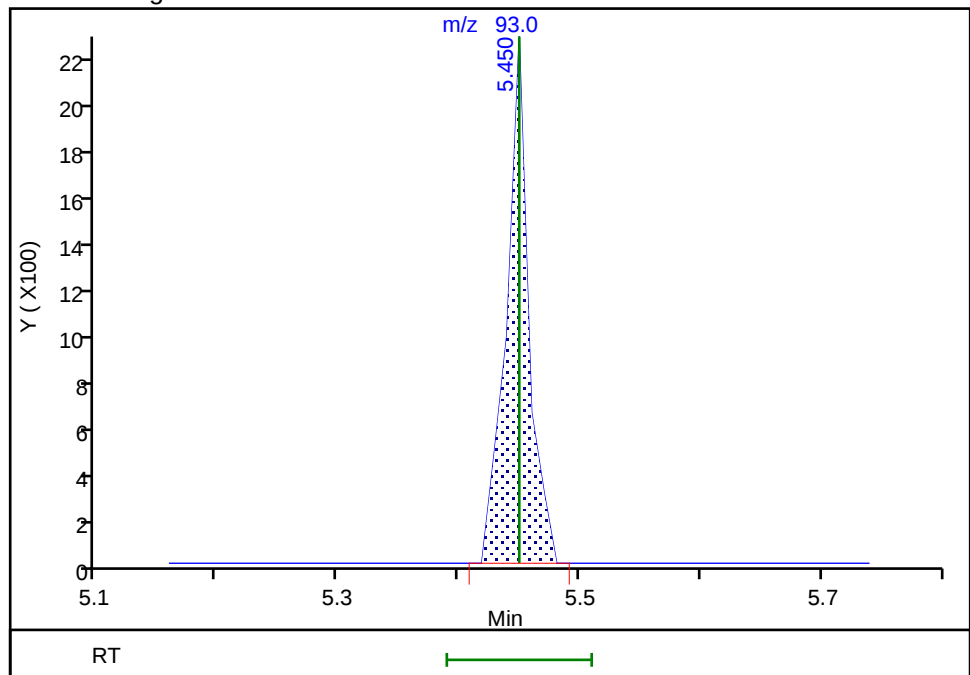
Not Detected

Expected RT: 5.45

Processing Integration Results



Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:43:58

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

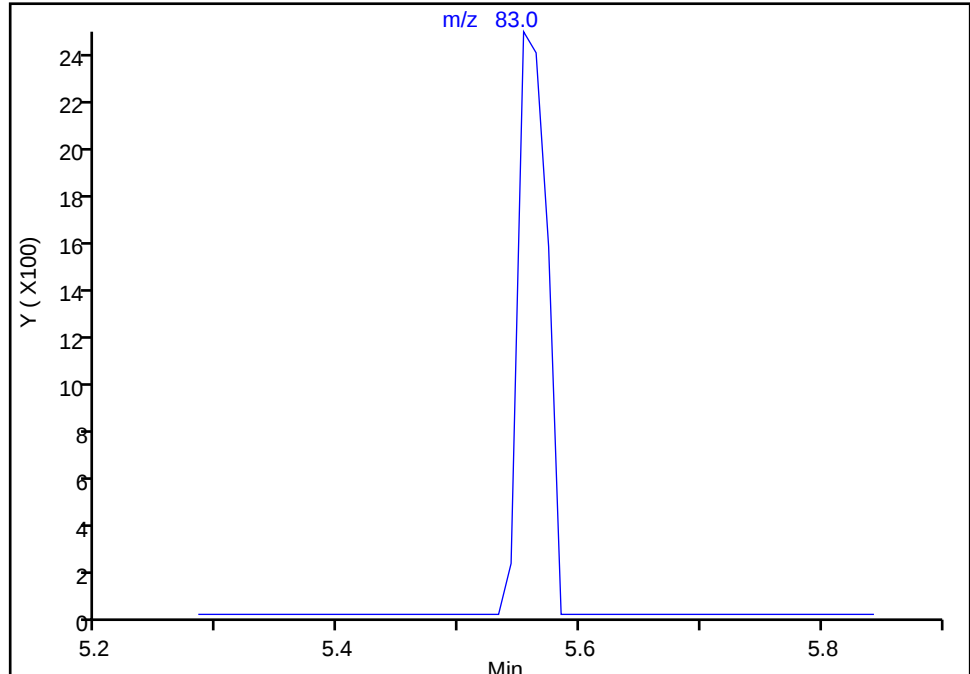
67 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

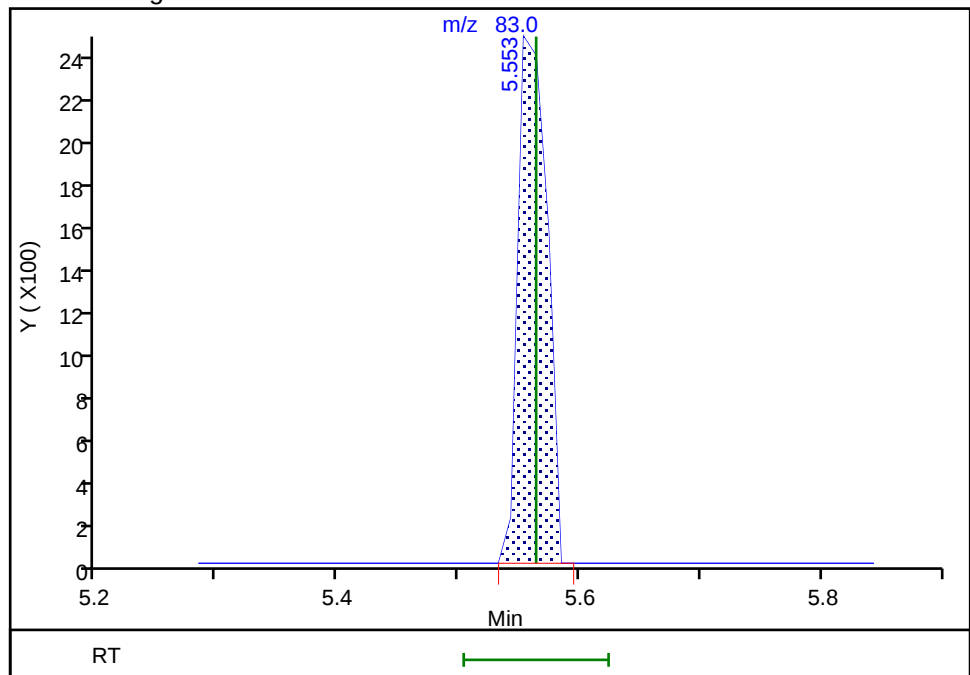
Not Detected

Expected RT: 5.56

Processing Integration Results



Manual Integration Results



RT: 5.55

Area: 4143

Amount: 0.324543

Amount Units: ug/L

Reviewer: velickovics, 26-Jun-2018 09:44:26

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

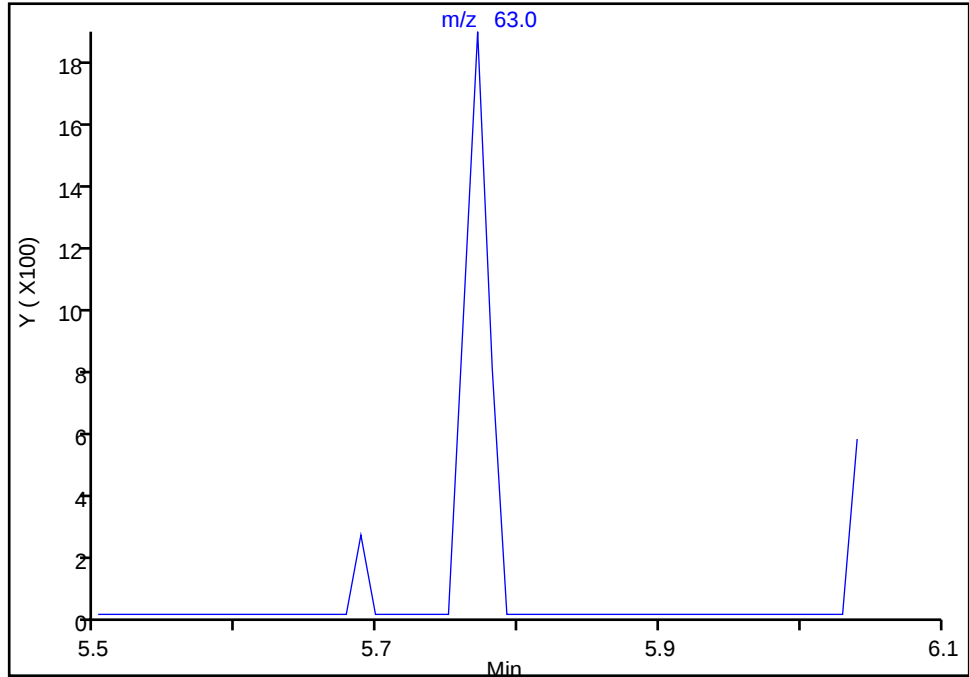
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
Injection Date: 25-Jun-2018 16:17:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

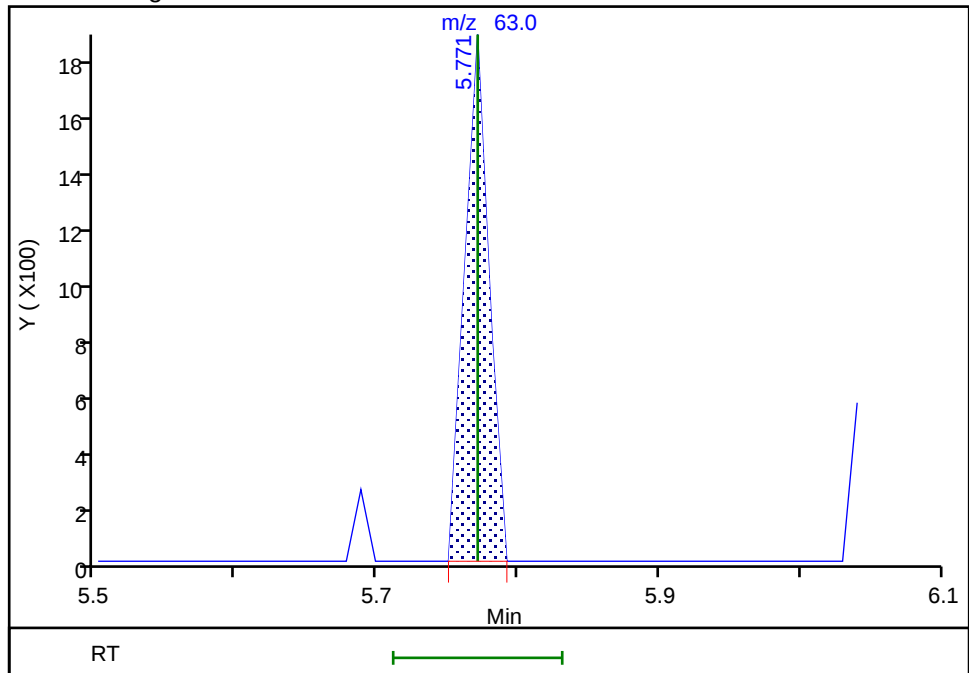
Not Detected
Expected RT: 5.77

Processing Integration Results



RT: 5.77
Area: 2202
Amount: 0.332757
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:44:38
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

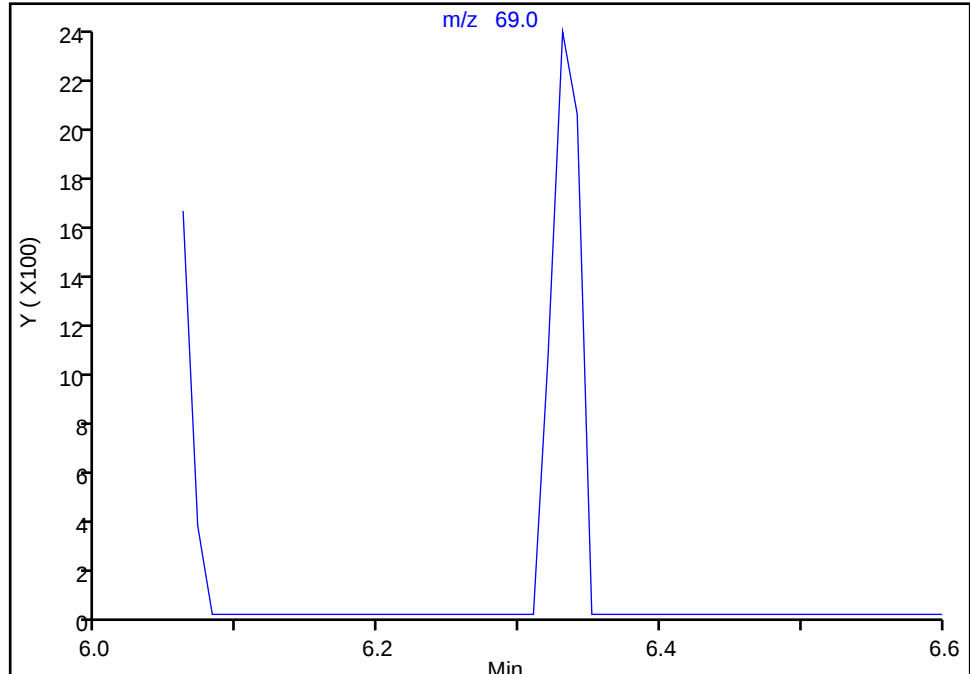
77 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

Not Detected

Expected RT: 6.33

Processing Integration Results



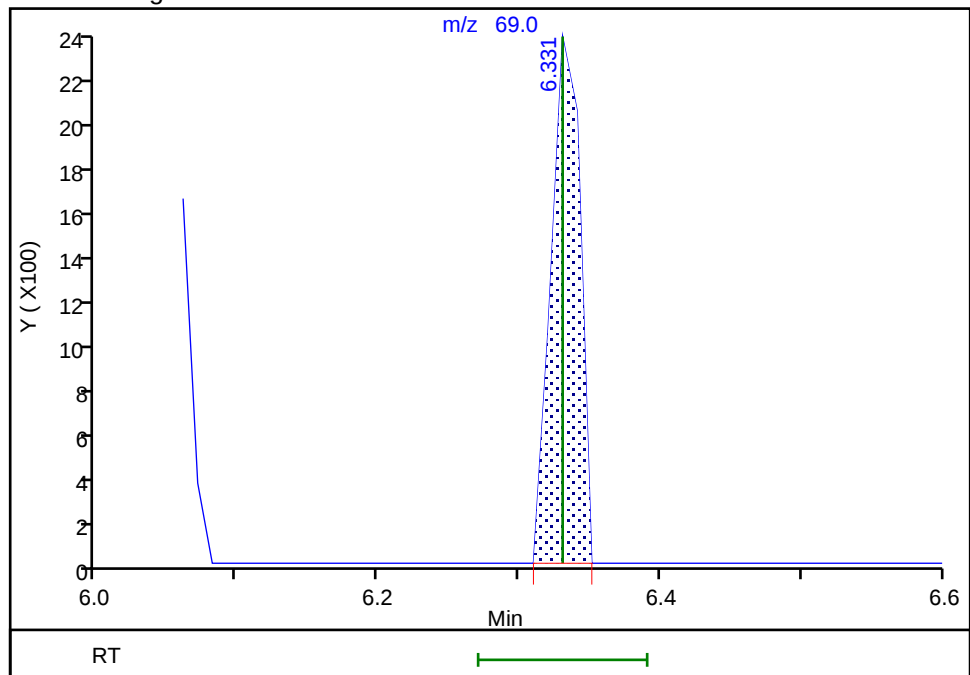
RT: 6.33

Area: 3297

Amount: 0.341899

Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:45:05

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

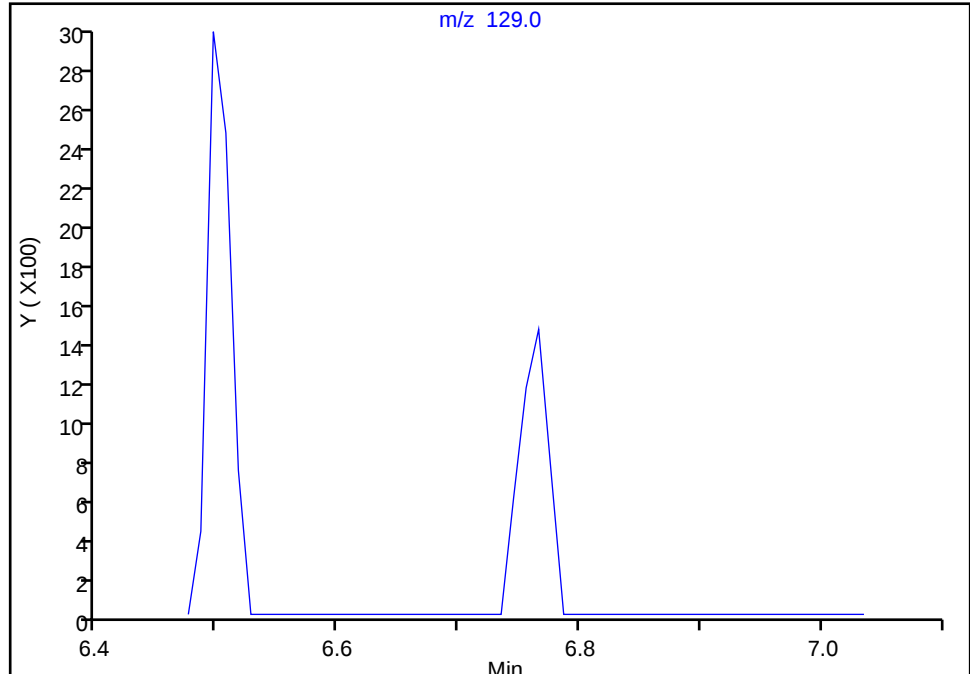
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
Injection Date: 25-Jun-2018 16:17:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

82 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

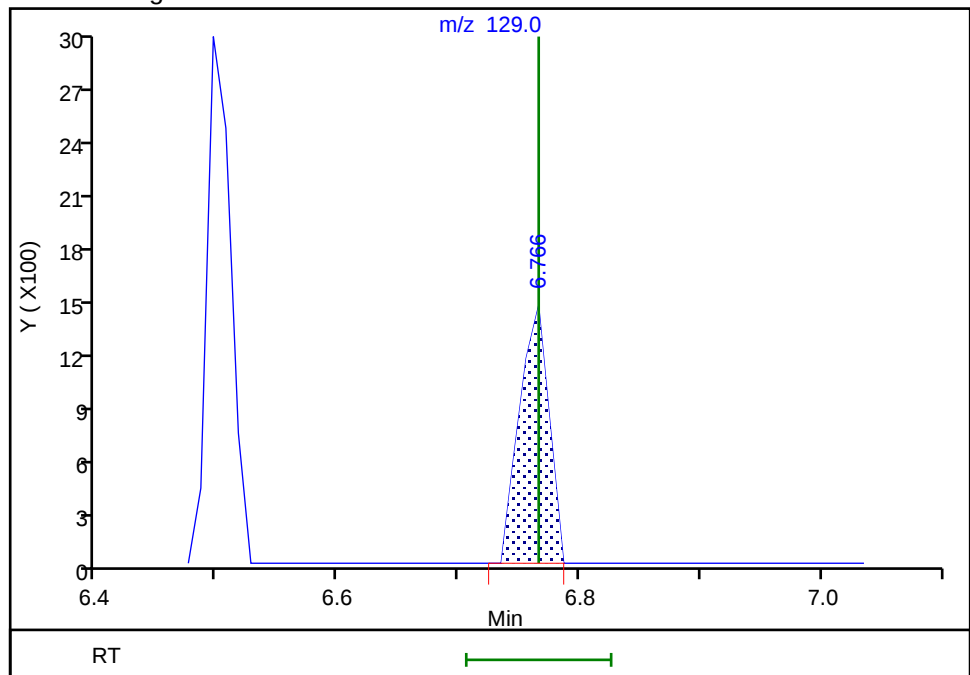
Not Detected
Expected RT: 6.77

Processing Integration Results



RT: 6.77
Area: 2453
Amount: 0.292109
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:45:22
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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TestAmerica Buffalo

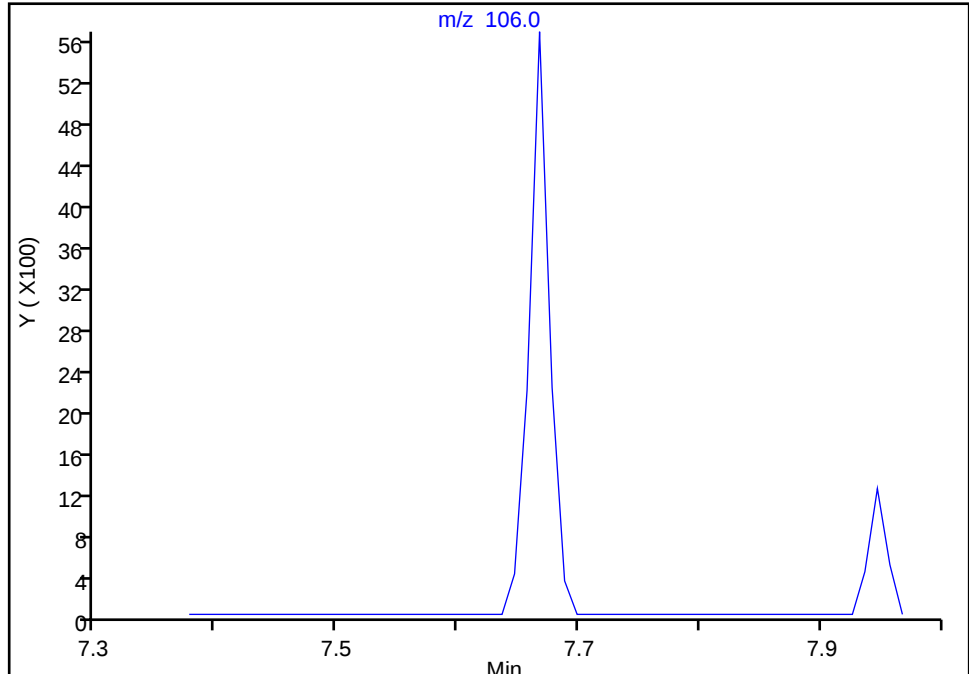
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
Injection Date: 25-Jun-2018 16:17:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

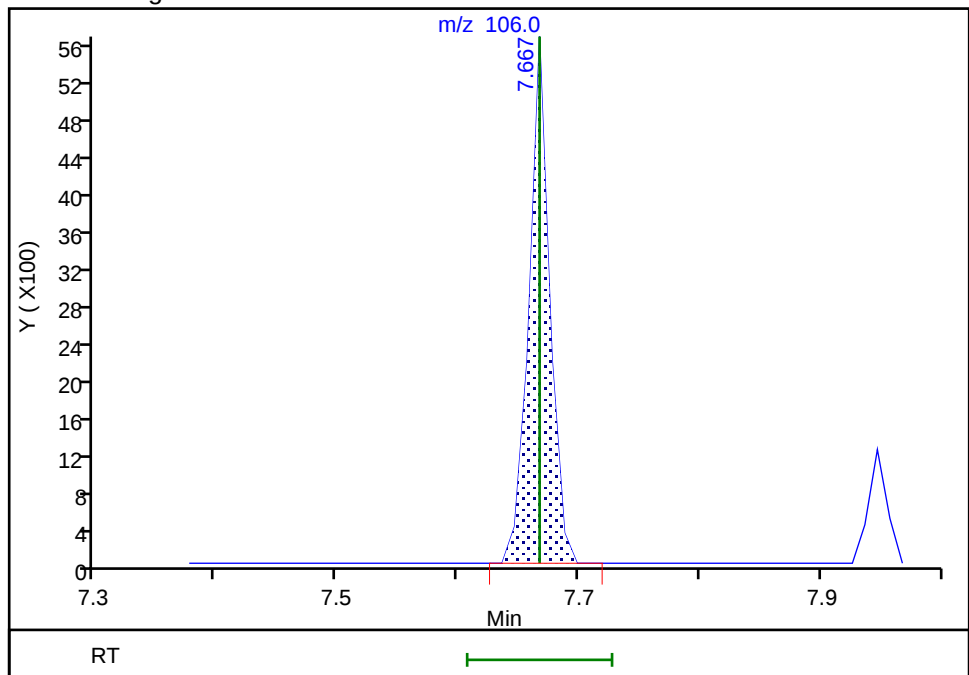
Not Detected
Expected RT: 7.67

Processing Integration Results



RT: 7.67
Area: 6662
Amount: 0.368693
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:45:53
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

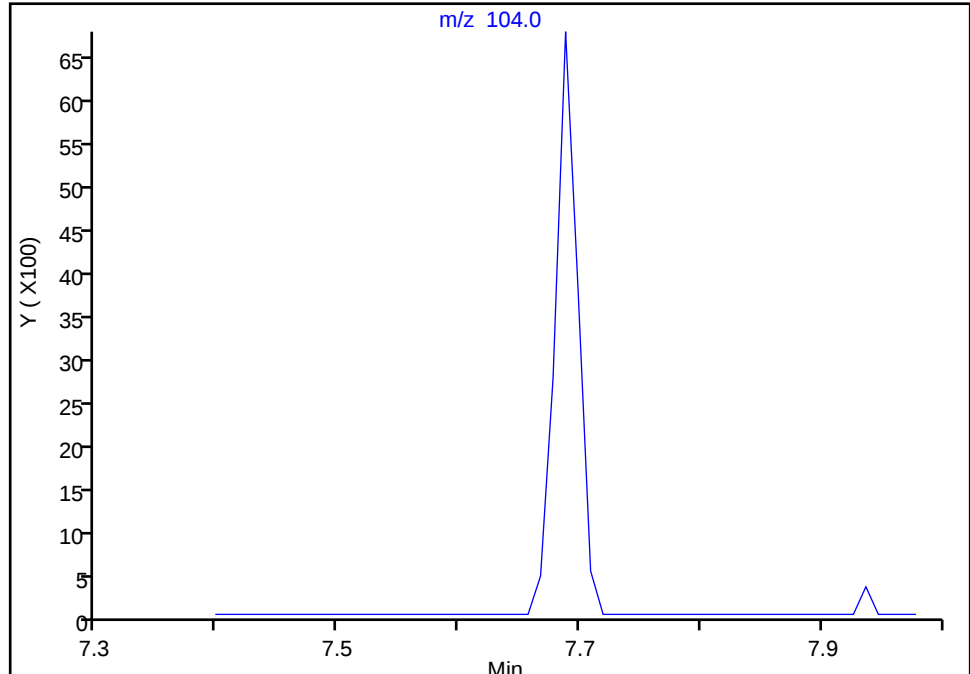
92 Styrene, CAS: 100-42-5

Signal: 1

Not Detected

Expected RT: 7.69

Processing Integration Results



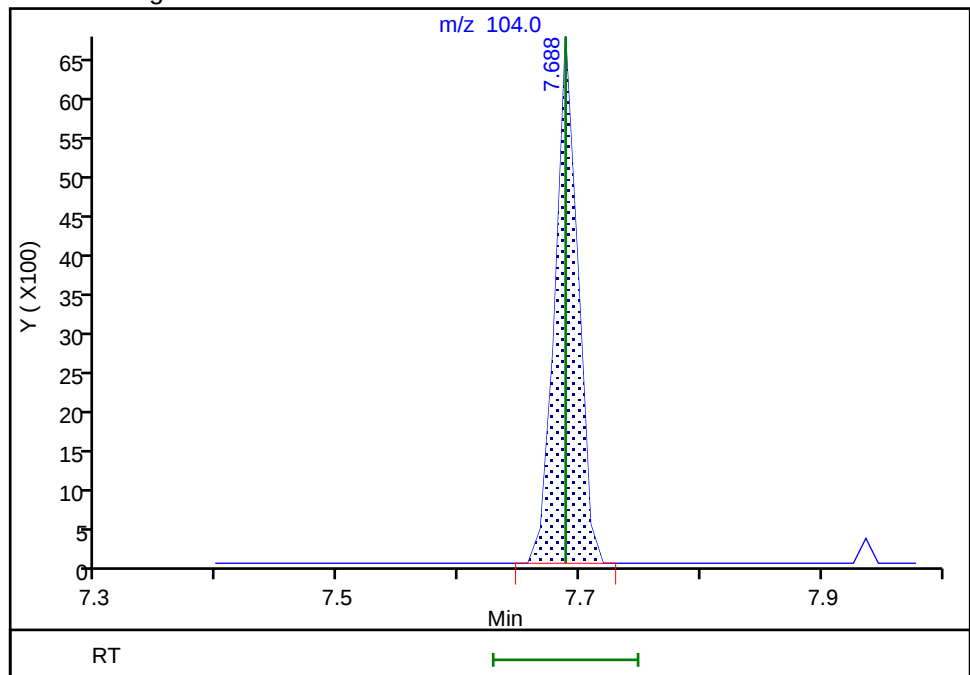
RT: 7.69

Area: 8761

Amount: 0.290762

Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:46:14

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

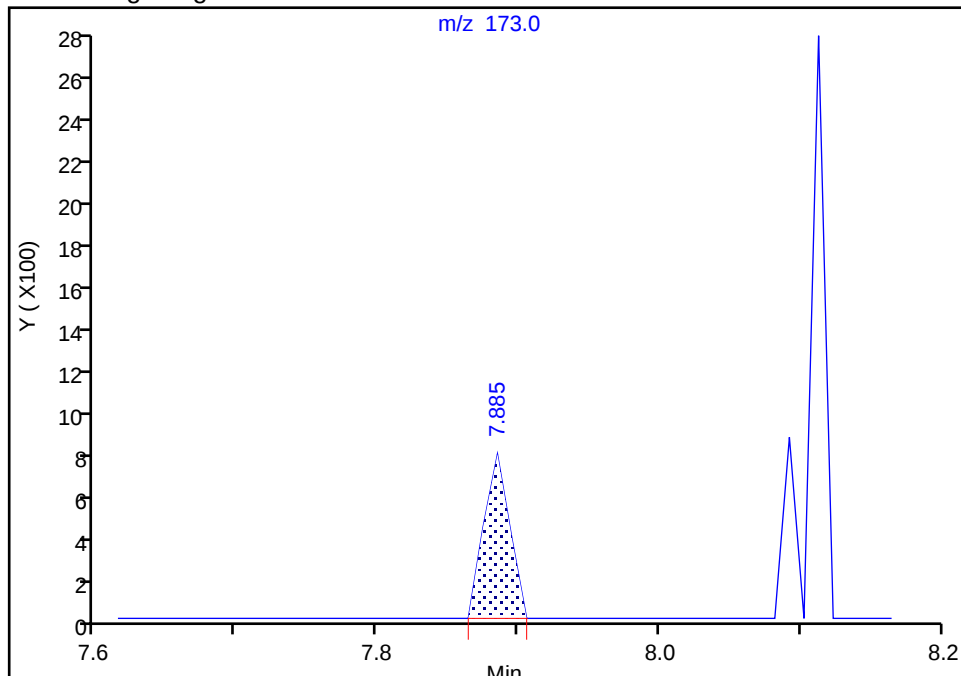
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
Injection Date: 25-Jun-2018 16:17:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

93 Bromoform, CAS: 75-25-2

Signal: 1

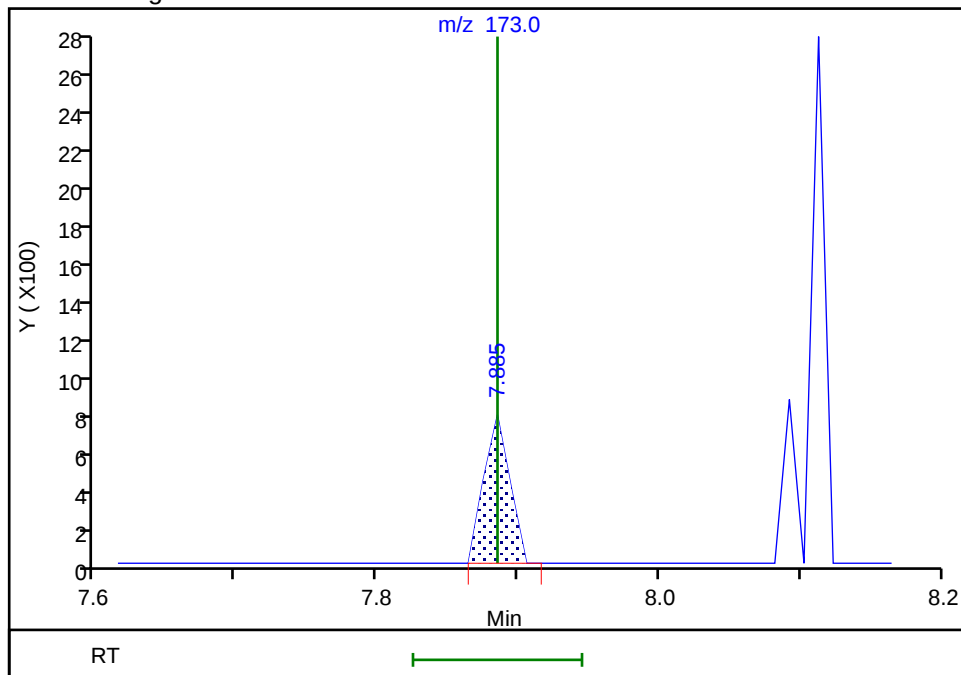
RT: 7.88
Area: 969
Amount: 2.456238
Amount Units: ug/L

Processing Integration Results



RT: 7.88
Area: 969
Amount: 0.224301
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:52:29

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

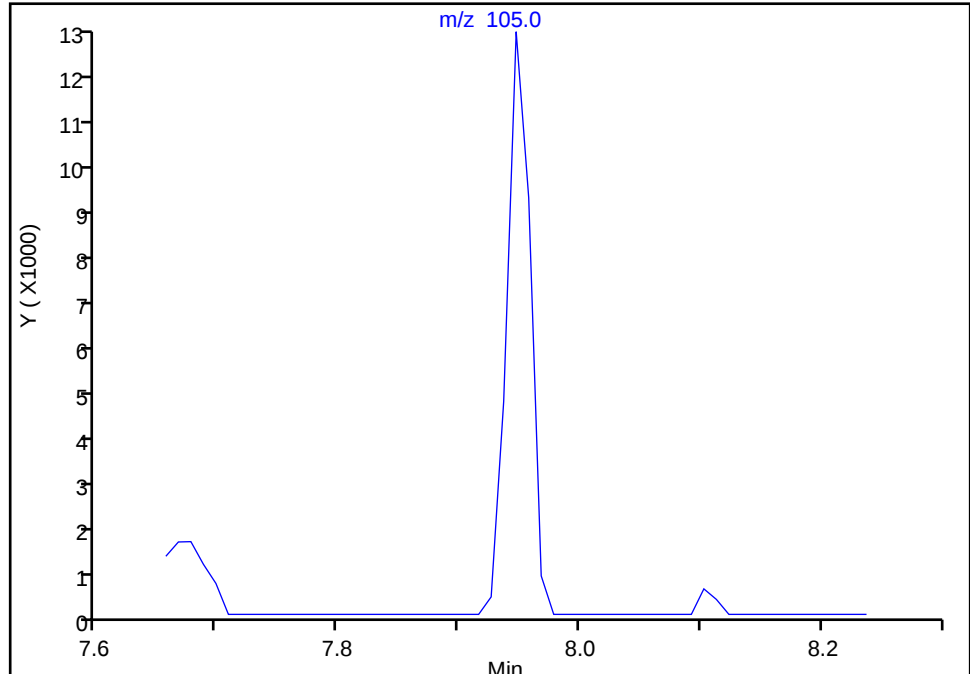
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
Injection Date: 25-Jun-2018 16:17:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

95 Isopropylbenzene, CAS: 98-82-8

Signal: 1

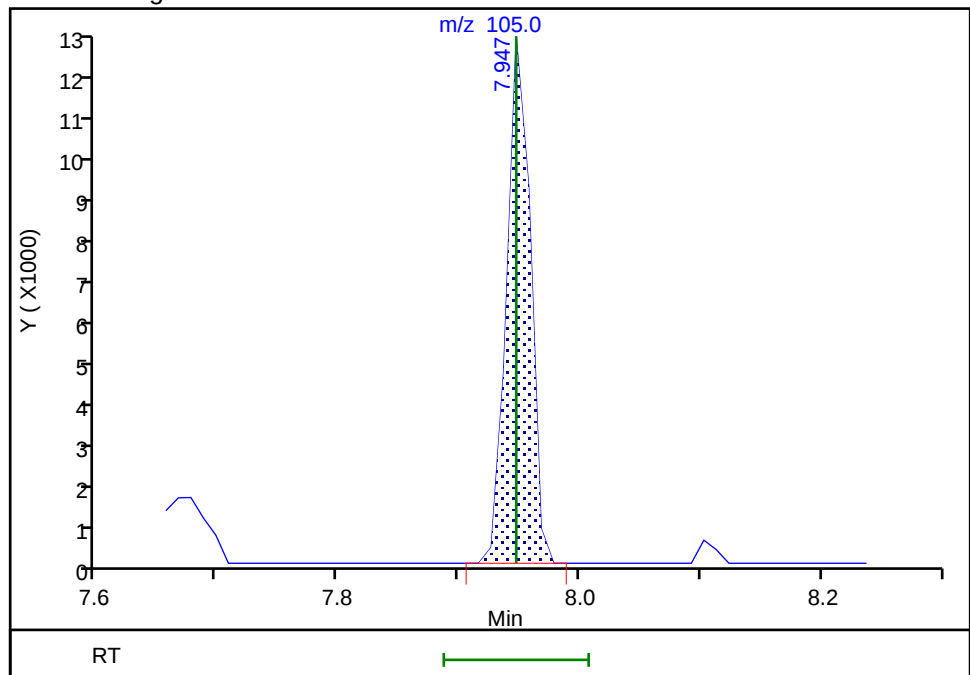
Not Detected
Expected RT: 7.95

Processing Integration Results



RT: 7.95
Area: 16545
Amount: 0.353695
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:52:42
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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07/11/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

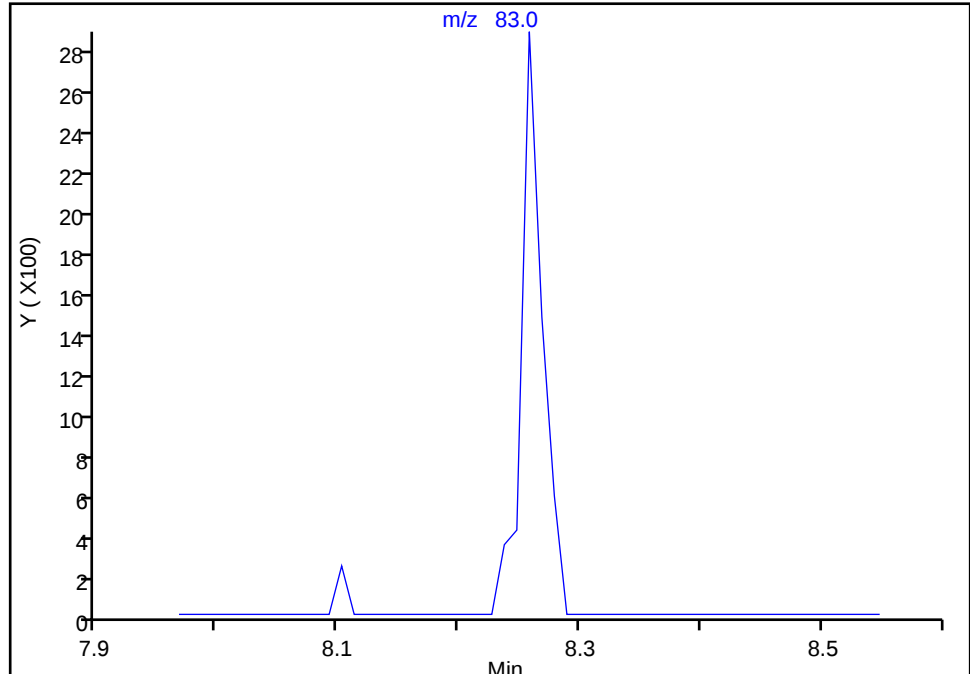
98 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

Not Detected

Expected RT: 8.26

Processing Integration Results



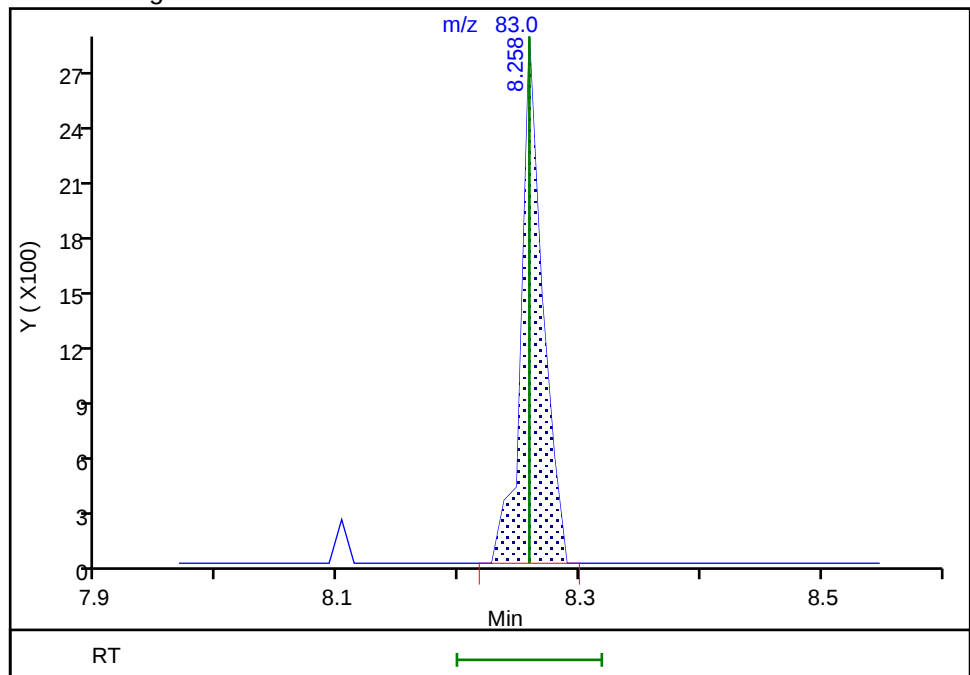
RT: 8.26

Area: 3477

Amount: 0.359415

Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:53:18

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

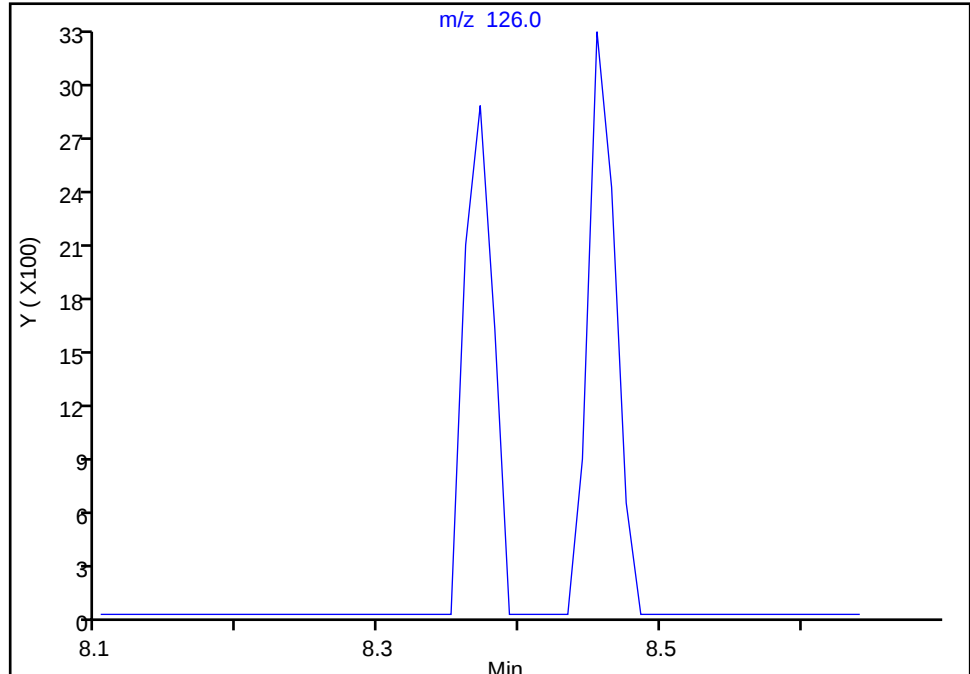
105 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

Not Detected

Expected RT: 8.37

Processing Integration Results



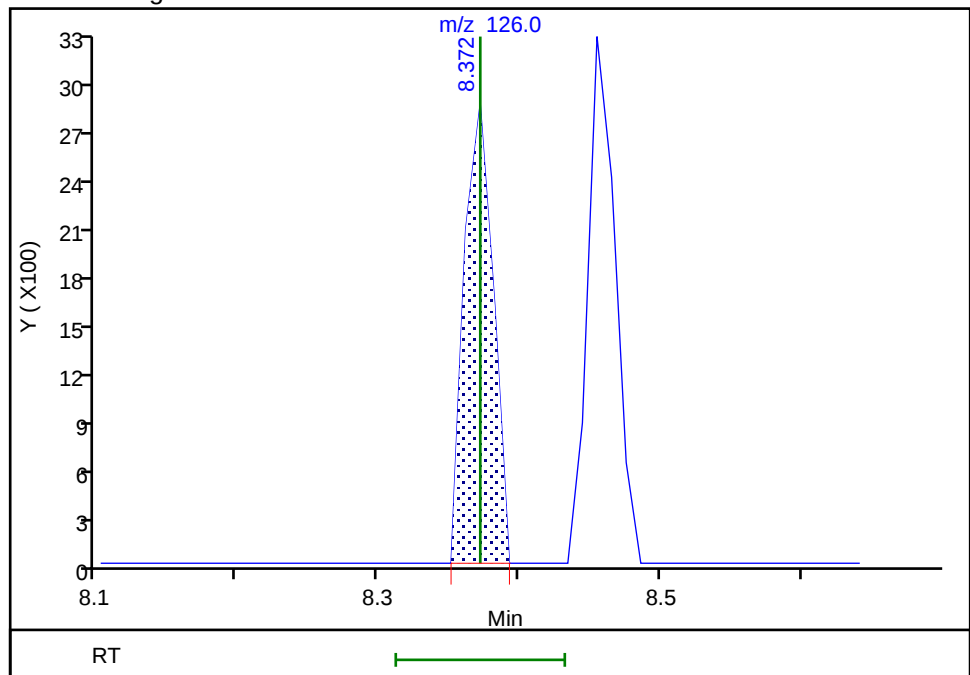
RT: 8.37

Area: 3998

Amount: 0.337253

Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 09:53:47

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

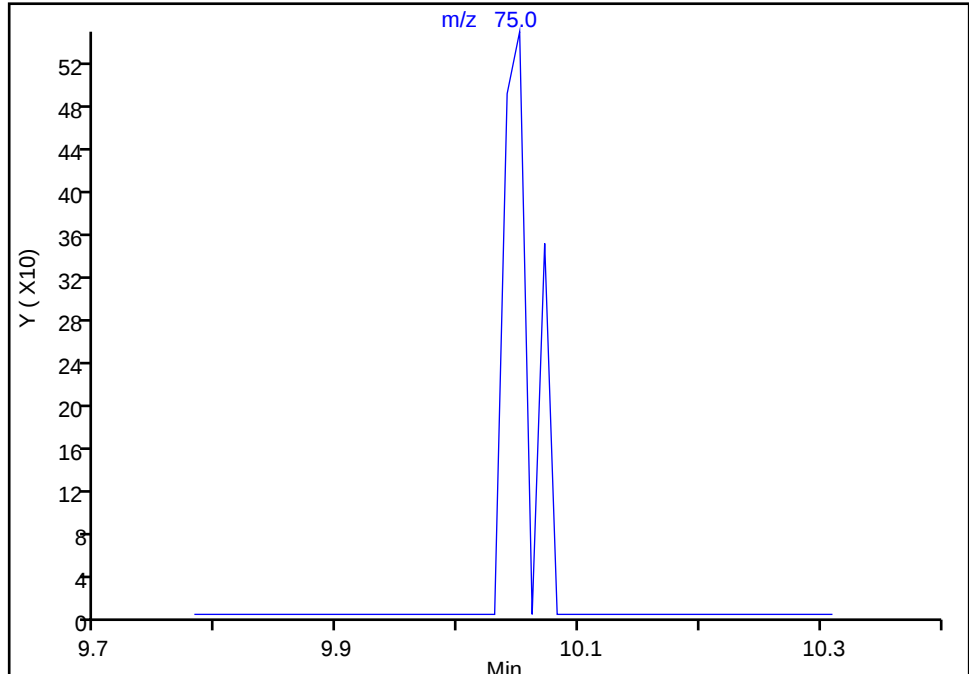
117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

Not Detected

Expected RT: 10.04

Processing Integration Results



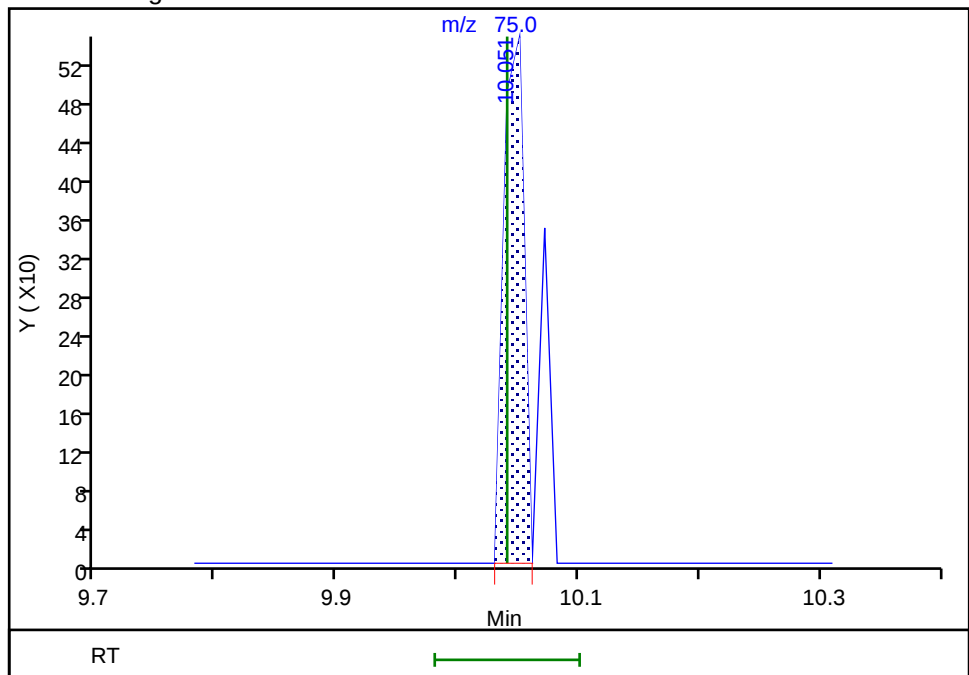
RT: 10.05

Area: 642

Amount: 0.488499

Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 11:53:26

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D

Injection Date: 25-Jun-2018 16:17:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

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

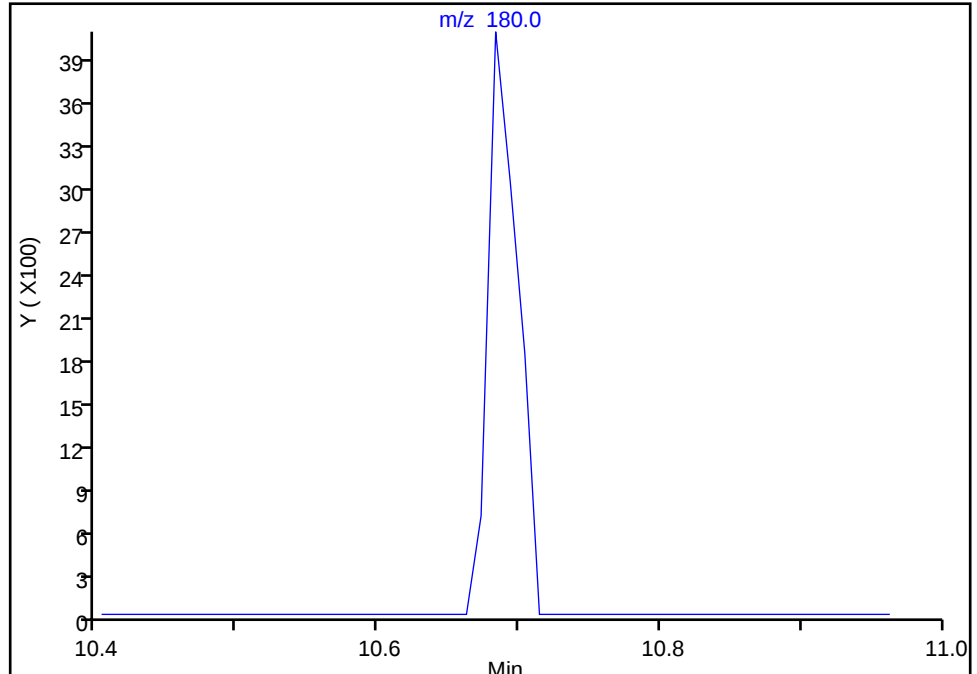
119 1,2,4-Trichlorobenzene, CAS: 120-82-1

Signal: 1

Not Detected

Expected RT: 10.69

Processing Integration Results



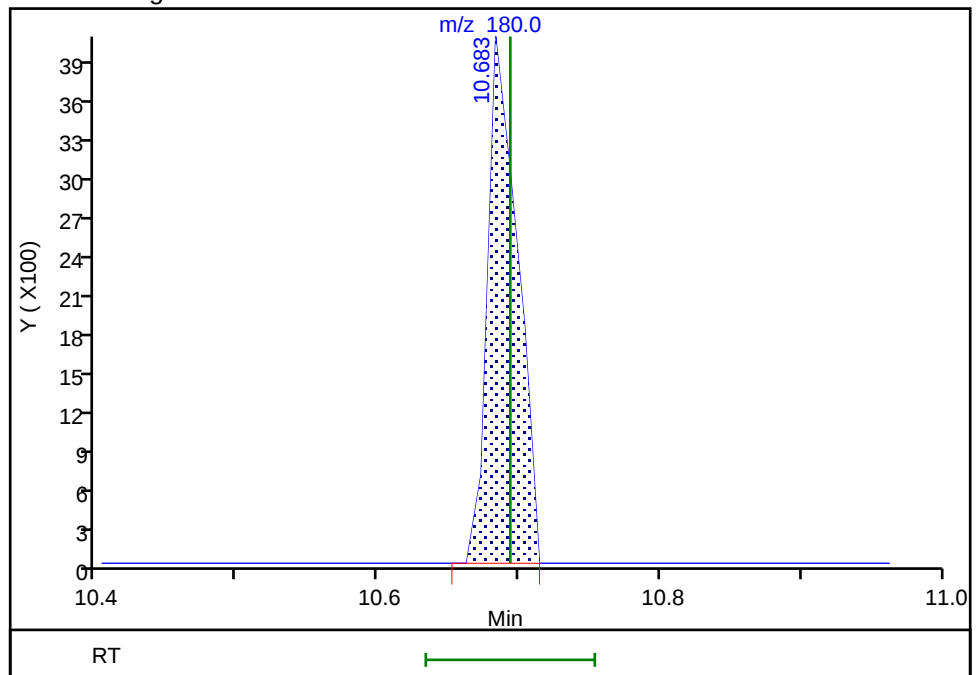
RT: 10.68

Area: 5876

Amount: 0.345507

Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 11:53:14

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

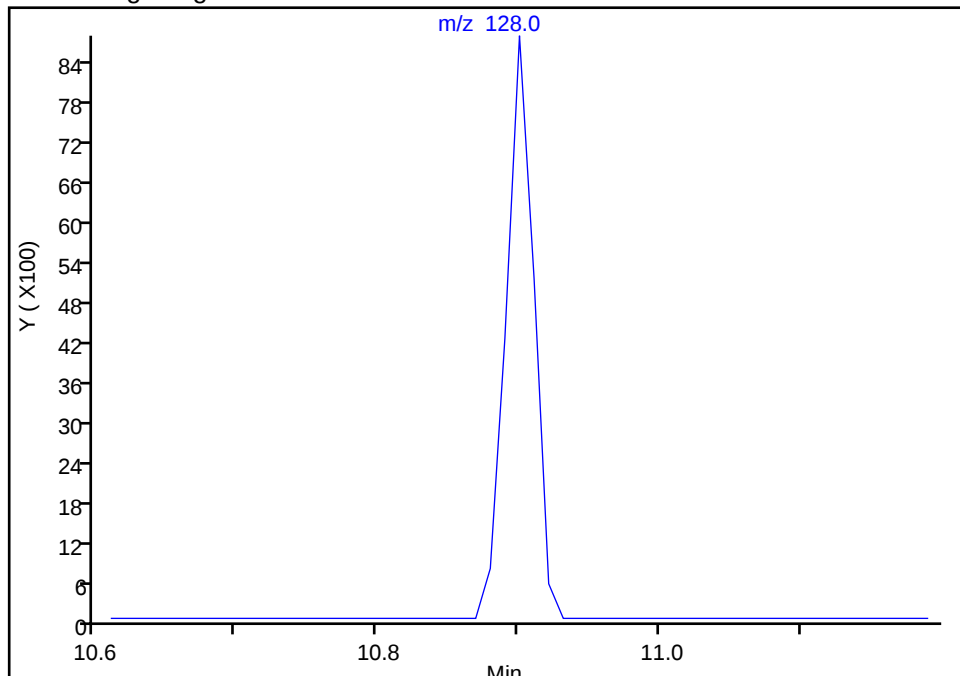
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0004.D
Injection Date: 25-Jun-2018 16:17:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

121 Naphthalene, CAS: 91-20-3

Signal: 1

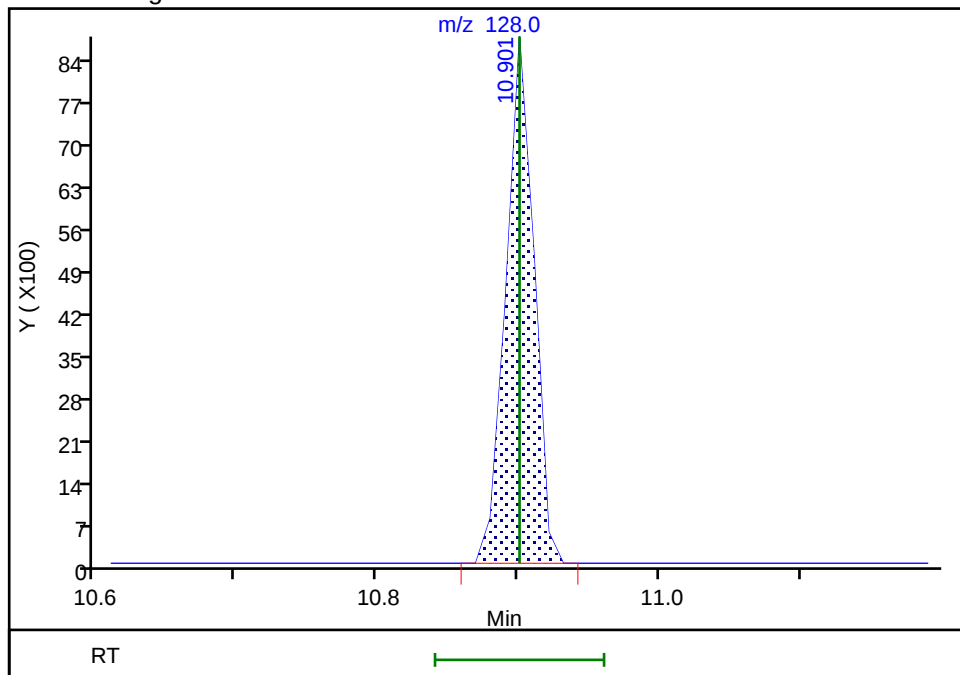
Not Detected
Expected RT: 10.90

Processing Integration Results



RT: 10.90
Area: 12067
Amount: 0.330401
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 11:56:44
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 25-Jun-2018 16:40:30 ALS Bottle#: 4 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0072610-008
 Operator ID: LH/ZV Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 26-Jun-2018 16:42:33 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK041

First Level Reviewer: velickovics

Date: 26-Jun-2018 12:32:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	98	181512	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.180	-0.010	88	773605	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.046	9.035	0.011	96	434311	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	92	224137	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	284702	25.0	25.4	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.051	0.000	94	820049	25.0	24.6	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.113	0.000	0	249852	25.0	24.4	
11 Dichlorodifluoromethane	85	1.232	1.242	-0.010	59	7489	1.00	0.7977	M
13 Chloromethane	50	1.408	1.398	0.010	98	16592	1.00	1.04	
14 Vinyl chloride	62	1.501	1.481	0.020	55	12552	1.00	0.9888	M
151 Butadiene	54	1.501	1.501	0.000	89	14204	1.00	1.04	
15 Bromomethane	94	1.781	1.781	0.000	83	9633	1.00	1.09	M
16 Chloroethane	64	1.843	1.843	0.000	54	7394	1.00	0.9417	M
17 Trichlorofluoromethane	101	2.071	2.071	0.000	71	14490	1.00	0.9141	
18 Dichlorofluoromethane	67	2.061	2.071	-0.010	95	19425	1.00	1.06	M
19 Ethyl ether	59	2.320	2.310	0.010	92	10316	1.00	1.06	
21 Acrolein	56	2.496	2.486	0.010	88	7992	5.00	5.45	
22 1,1-Dichloroethene	96	2.517	2.517	0.000	95	8343	1.00	0.9522	
20 1,1,2-Trichloro-1,2,2-trif	101	2.538	2.527	0.011	54	9467	1.00	0.9596	M
23 Acetone	43	2.641	2.641	0.000	100	17194	5.00	5.25	
24 Iodomethane	142	2.672	2.672	0.000	98	17435	1.00	1.00	
25 Carbon disulfide	76	2.704	2.703	0.001	95	23164	1.00	0.8551	
27 3-Chloro-1-propene	41	2.859	2.859	0.000	80	16343	1.00	0.8980	
28 Methyl acetate	43	2.900	2.900	0.000	99	19757	2.00	2.35	
30 Methylene Chloride	84	3.004	2.994	0.010	93	19819	1.00	1.16	Ma
31 2-Methyl-2-propanol	59	3.180	3.159	0.021	39	9154	10.0	9.85	
33 Methyl tert-butyl ether	73	3.191	3.180	0.011	99	27373	1.00	1.01	
32 trans-1,2-Dichloroethene	96	3.191	3.191	0.000	91	9083	1.00	0.9292	
34 Acrylonitrile	53	3.253	3.253	0.000	94	39597	10.0	10.0	
35 Hexane	57	3.356	3.356	0.000	91	17366	1.00	0.9688	

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	3.564	3.553	0.011	97	19276	1.00	1.00	
39 Vinyl acetate	43	3.595	3.595	0.000	97	36827	2.00	1.92	
42 2,2-Dichloropropane	77	4.009	3.999	0.010	90	13466	1.00	1.00	
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	87	11387	1.00	0.9608	
44 2-Butanone (MEK)	43	4.051	4.051	0.000	96	23160	5.00	5.08	
48 Tetrahydrofuran	42	4.237	4.227	0.010	73	5243	2.00	1.75	
47 Chlorobromomethane	128	4.227	4.227	0.000	89	5283	1.00	0.8937	
50 Chloroform	83	4.289	4.289	0.000	94	18962	1.00	1.03	a
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	87	13967	1.00	0.9245	
52 Cyclohexane	56	4.382	4.382	0.000	94	17538	1.00	0.8734	
53 Carbon tetrachloride	117	4.496	4.486	0.010	69	10163	1.00	0.7864	a
54 1,1-Dichloropropene	75	4.496	4.496	0.000	86	12988	1.00	0.9766	
55 Benzene	78	4.662	4.662	0.000	45	38181	1.00	1.04	
56 Isobutyl alcohol	43	4.683	4.672	0.011	29	8953	25.0	25.0	Ma
57 1,2-Dichloroethane	62	4.724	4.724	0.000	95	17775	1.00	1.02	
59 n-Heptane	43	4.797	4.797	0.000	94	19282	1.00	1.07	
60 Trichloroethene	95	5.149	5.149	0.000	86	9096	1.00	0.8843	
62 Methylcyclohexane	83	5.242	5.242	0.000	94	13995	1.00	0.8216	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	84	10573	1.00	1.00	
65 Dibromomethane	93	5.450	5.450	0.000	94	6097	1.00	0.9520	
66 1,4-Dioxane	88	5.450	5.450	0.000	40	1912	20.0	20.8	Ma
67 Dichlorobromomethane	83	5.564	5.564	0.000	94	12674	1.00	1.03	a
69 2-Chloroethyl vinyl ether	63	5.771	5.771	0.000	91	6606	1.00	1.04	
71 cis-1,3-Dichloropropene	75	5.885	5.885	0.000	86	12423	1.00	0.8972	a
72 4-Methyl-2-pentanone (MIBK)	43	5.989	5.989	0.000	97	43437	5.00	4.51	M
73 Toluene	92	6.103	6.103	0.000	98	27303	1.00	1.04	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	91	9932	1.00	0.7835	
77 Ethyl methacrylate	69	6.331	6.331	0.000	96	8830	1.00	0.8924	
78 1,1,2-Trichloroethane	83	6.465	6.455	0.010	91	7552	1.00	1.05	
79 Tetrachloroethene	166	6.507	6.507	0.000	93	11888	1.00	1.01	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	94	13708	1.00	0.9387	
81 2-Hexanone	43	6.621	6.621	0.000	99	31464	5.00	4.74	
82 Chlorodibromomethane	129	6.756	6.766	-0.010	94	6847	1.00	0.7946	
83 Ethylene Dibromide	107	6.849	6.849	0.000	97	7982	1.00	0.9257	
86 Chlorobenzene	112	7.191	7.201	-0.010	95	27080	1.00	0.8946	a
88 Ethylbenzene	91	7.253	7.253	0.000	98	44760	1.00	0.9162	
89 1,1,1,2-Tetrachloroethane	131	7.274	7.274	0.000	84	7860	1.00	0.7824	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	19379	1.00	1.01	
91 o-Xylene	106	7.667	7.667	0.000	97	15479	1.00	0.8349	
92 Styrene	104	7.688	7.688	0.000	93	27870	1.00	0.9014	
93 Bromoform	173	7.885	7.885	0.000	91	3304	1.00	0.7454	
95 Isopropylbenzene	105	7.947	7.947	0.000	96	47186	1.00	0.9732	
97 Bromobenzene	156	8.227	8.227	0.000	86	11909	1.00	0.9038	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	94	9431	1.00	0.9406	
99 N-Propylbenzene	91	8.279	8.279	0.000	99	53449	1.00	0.9548	
100 1,2,3-Trichloropropane	110	8.300	8.289	0.011	88	3662	1.00	1.07	
101 trans-1,4-Dichloro-2-buten	53	8.300	8.300	0.000	69	3994	1.00	0.9742	
105 2-Chlorotoluene	126	8.372	8.372	0.000	97	11960	1.00	0.9734	
104 1,3,5-Trimethylbenzene	105	8.414	8.414	0.000	94	36778	1.00	0.9046	
102 4-Chlorotoluene	91	8.465	8.455	0.010	96	31731	1.00	0.8737	
106 tert-Butylbenzene	134	8.683	8.683	0.000	92	8419	1.00	0.8735	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	97	38258	1.00	0.9060	

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	8.859	8.859	0.000	94	44348	1.00	0.8598	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	94	35543	1.00	0.8038	
110 1,3-Dichlorobenzene	146	8.984	8.983	0.001	95	24188	1.00	0.9197	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	92	27383	1.00	1.00	
115 n-Butylbenzene	91	9.315	9.315	0.000	96	38254	1.00	0.9385	
116 1,2-Dichlorobenzene	146	9.377	9.377	0.000	94	24001	1.00	0.9535	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.041	0.000	1	1108	1.00	0.8134	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	93	17229	1.00	0.9774	
120 Hexachlorobutadiene	225	10.787	10.797	-0.010	87	6354	1.00	0.8118	
121 Naphthalene	128	10.901	10.901	0.000	96	31979	1.00	0.8448	a
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	96	16167	1.00	0.9587	
S 125 Total BTEX	1				0			4.84	
S 126 Xylenes, Total	1				0			1.84	
S 123 1,3-Dichloropropene, Total	1				0			1.68	
S 124 1,2-Dichloroethene, Total	1				0			1.89	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00128

Amount Added: 1.00

Units: uL

GAS CORP mix_00288

Amount Added: 1.00

Units: uL

T_8260_IS_00195

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00173

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180625-72610.b\\T0005.D

Injection Date: 25-Jun-2018 16:40:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Operator ID: LH/ZV

Worklist Smp#: 8

ALS Bottle#: 4

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D

Injection Date: 25-Jun-2018 16:40:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

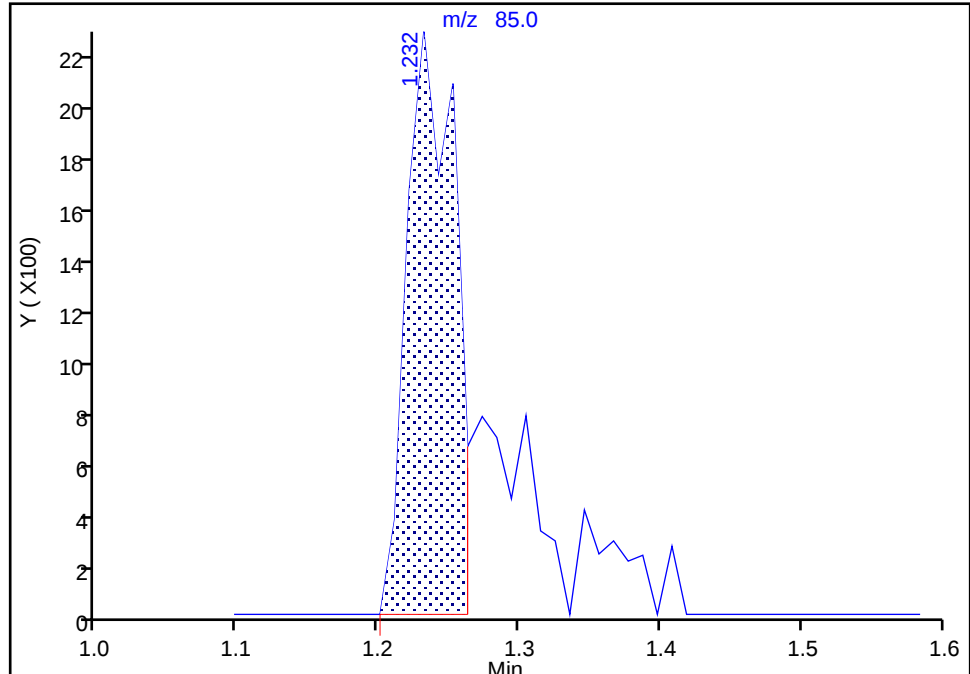
Detector: MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

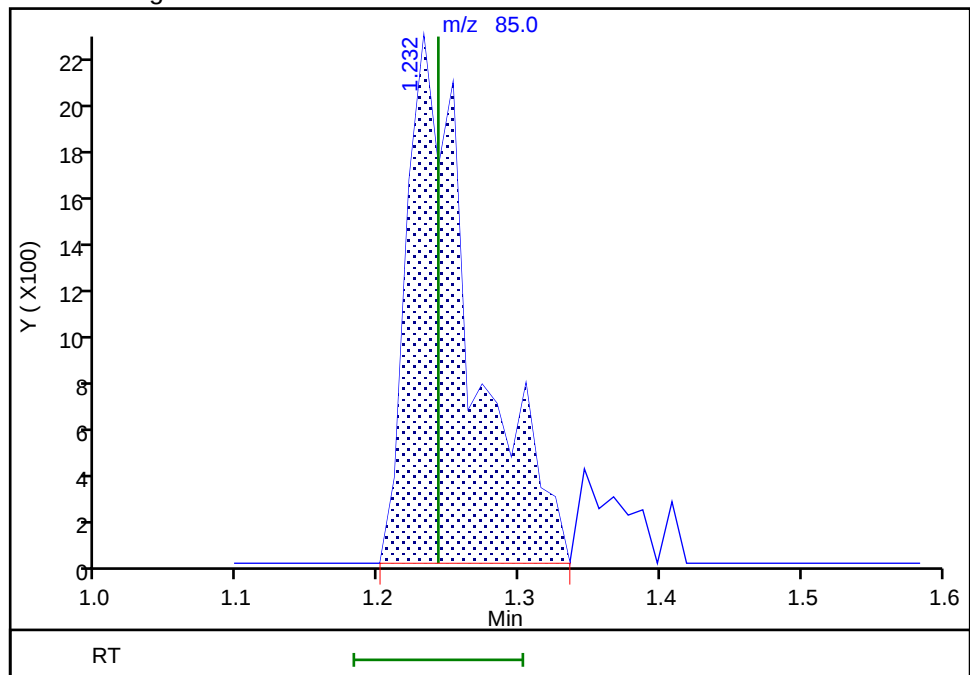
RT: 1.23
Area: 5434
Amount: 1.054719
Amount Units: ug/L

Processing Integration Results



RT: 1.23
Area: 7489
Amount: 0.797701
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:06:36

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D

Injection Date: 25-Jun-2018 16:40:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

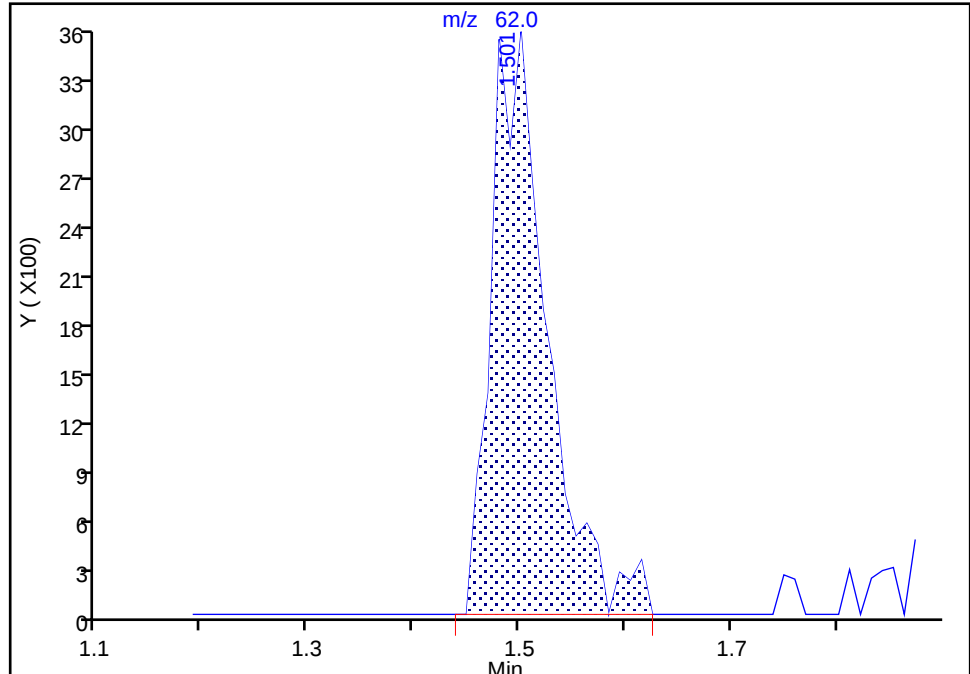
Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

Signal: 1

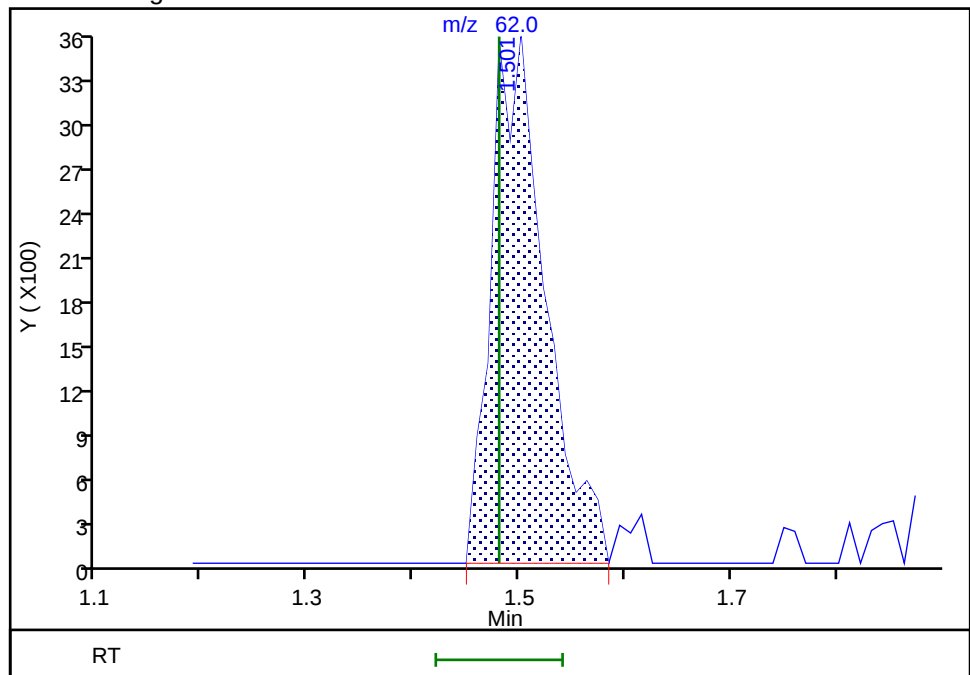
RT: 1.50
Area: 13041
Amount: 1.022389
Amount Units: ug/L

Processing Integration Results



RT: 1.50
Area: 12552
Amount: 0.988791
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:08:04

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D

Injection Date: 25-Jun-2018 16:40:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

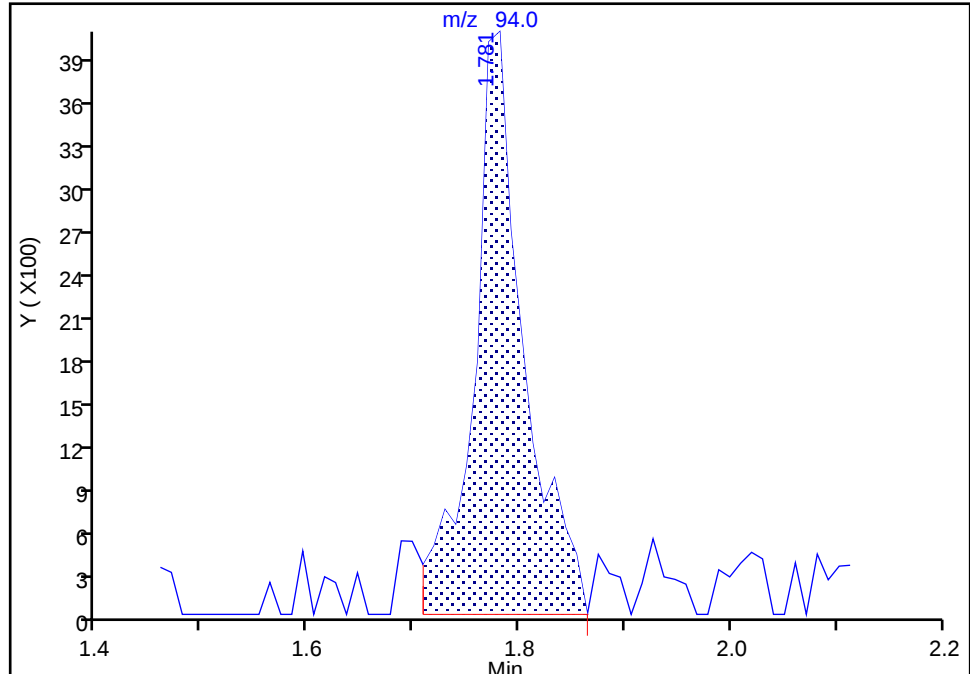
Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

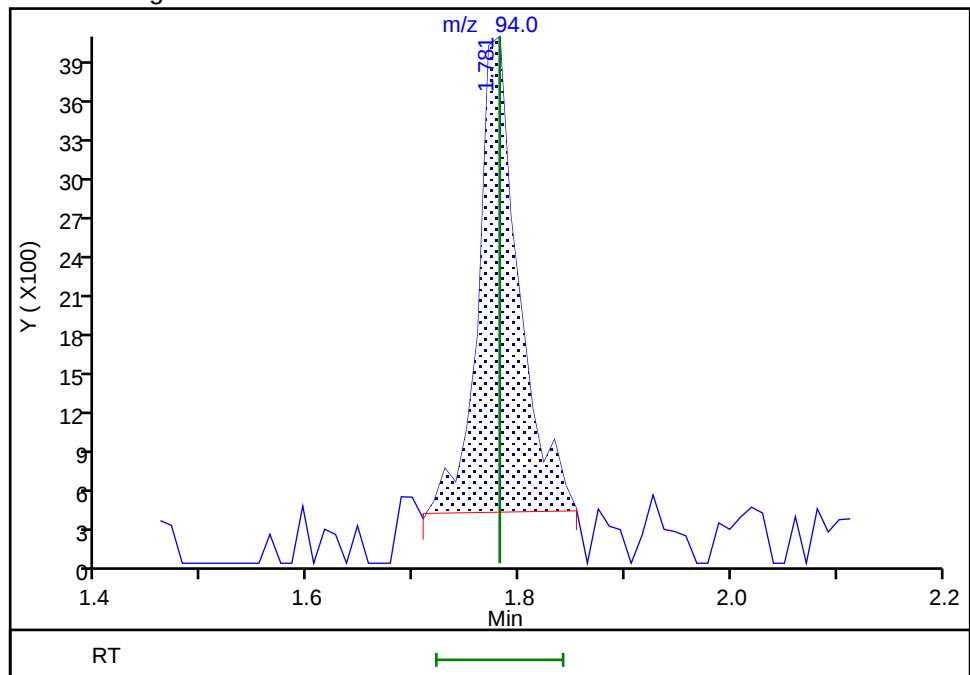
RT: 1.78
Area: 13260
Amount: 1.374584
Amount Units: ug/L

Processing Integration Results



RT: 1.78
Area: 9633
Amount: 1.087605
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Jun-2018 15:24:14

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

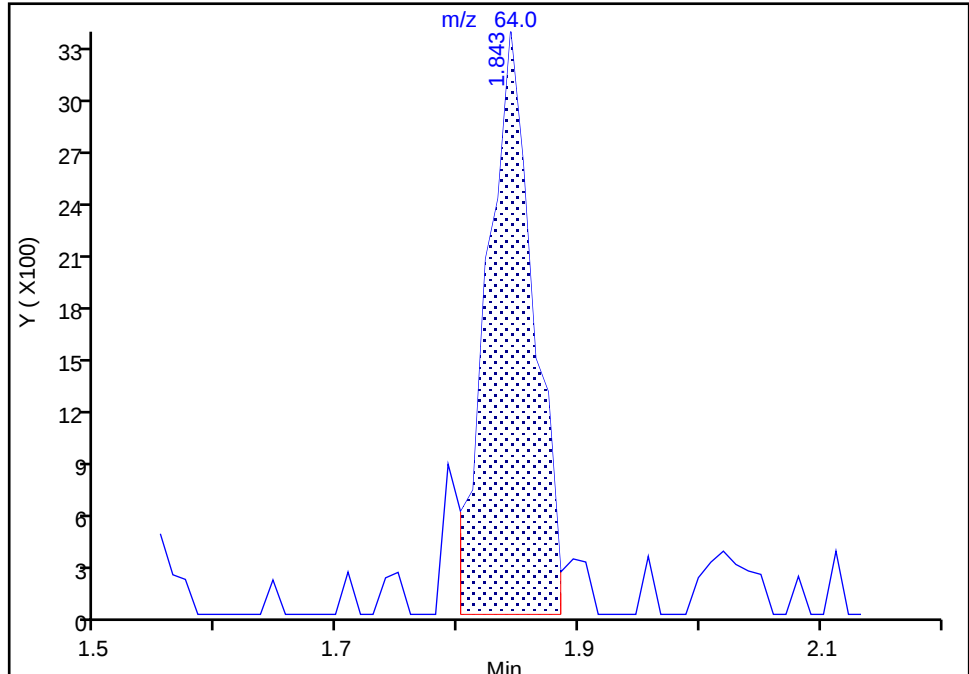
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D
Injection Date: 25-Jun-2018 16:40:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: LH/ZV ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

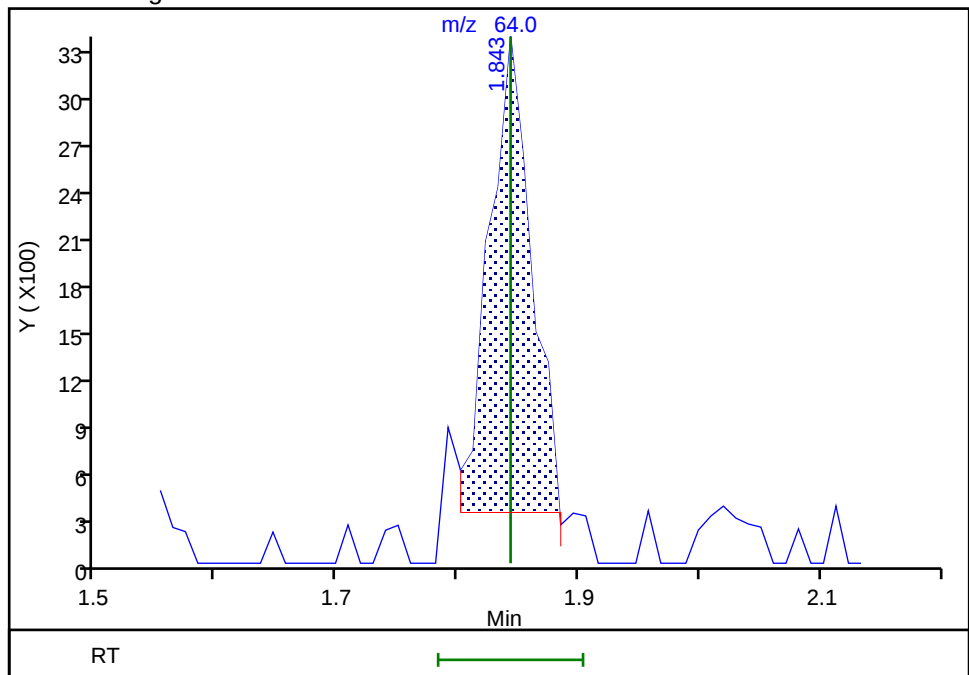
RT: 1.84
Area: 9219
Amount: 1.106255
Amount Units: ug/L

Processing Integration Results



RT: 1.84
Area: 7394
Amount: 0.941719
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Jun-2018 15:24:30
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D

Injection Date: 25-Jun-2018 16:40:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

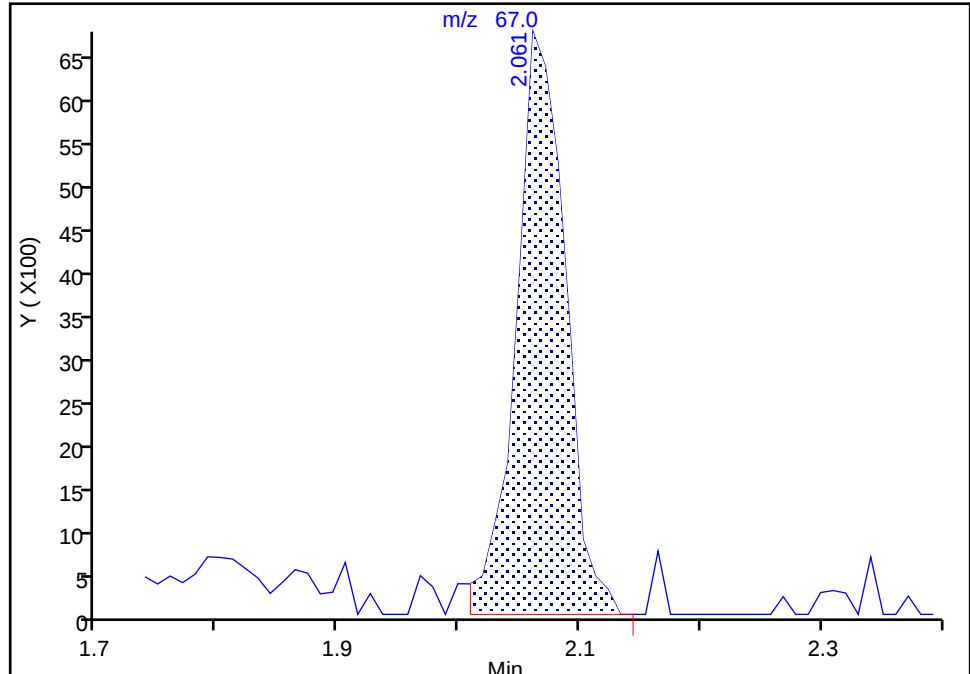
MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

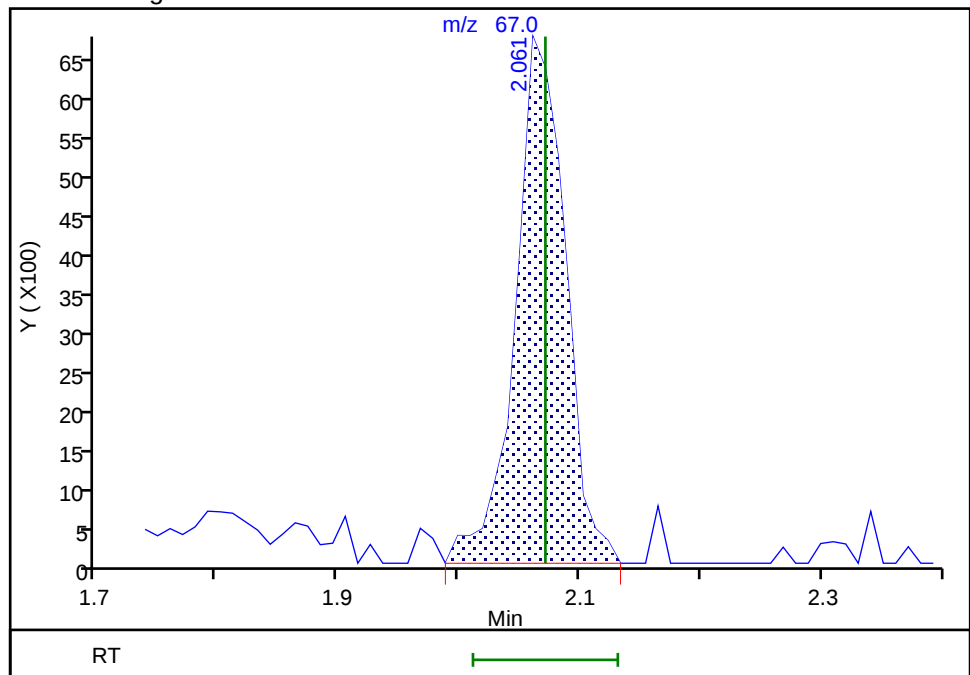
RT: 2.06
Area: 19206
Amount: 1.020986
Amount Units: ug/L

Processing Integration Results



RT: 2.06
Area: 19425
Amount: 1.055232
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:12:46

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D

Injection Date: 25-Jun-2018 16:40:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

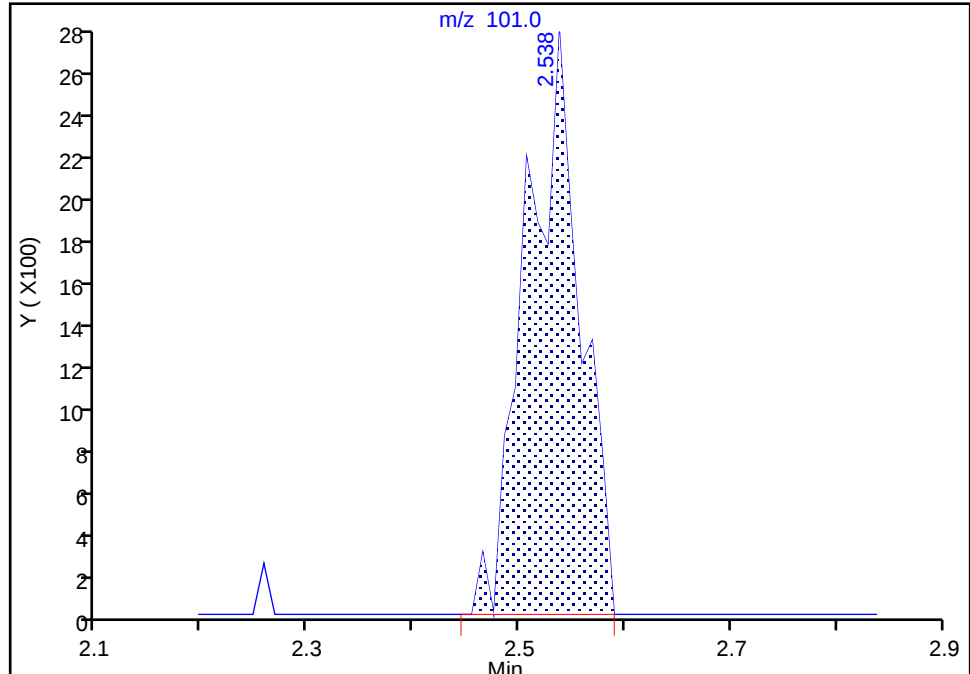
Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

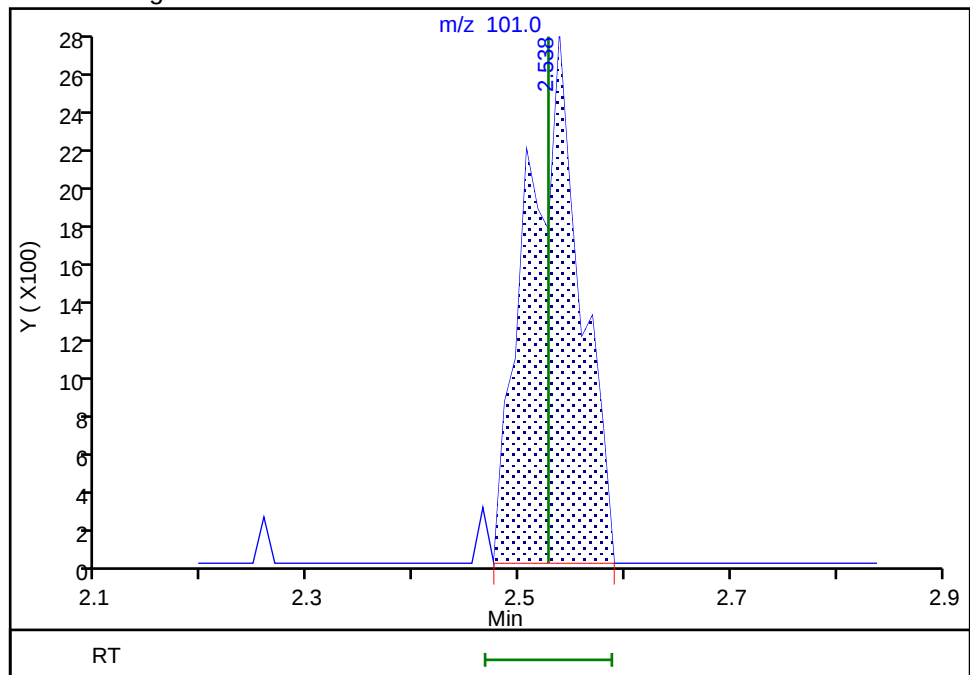
RT: 2.54
Area: 9646
Amount: 0.975183
Amount Units: ug/L

Processing Integration Results



RT: 2.54
Area: 9467
Amount: 0.959567
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:14:32

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

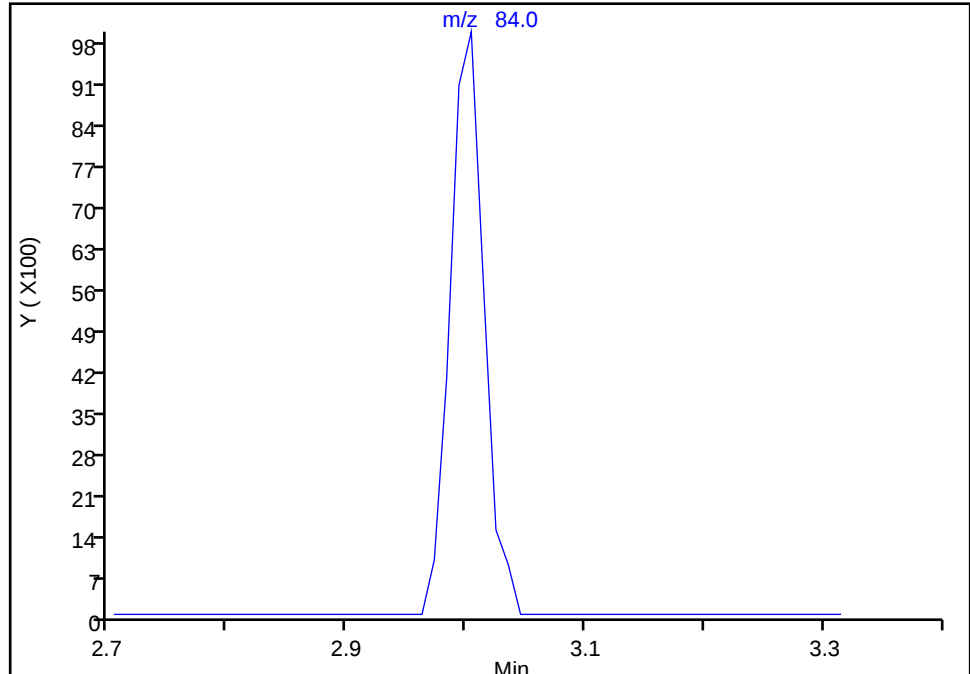
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D
Injection Date: 25-Jun-2018 16:40:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: LH/ZV ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

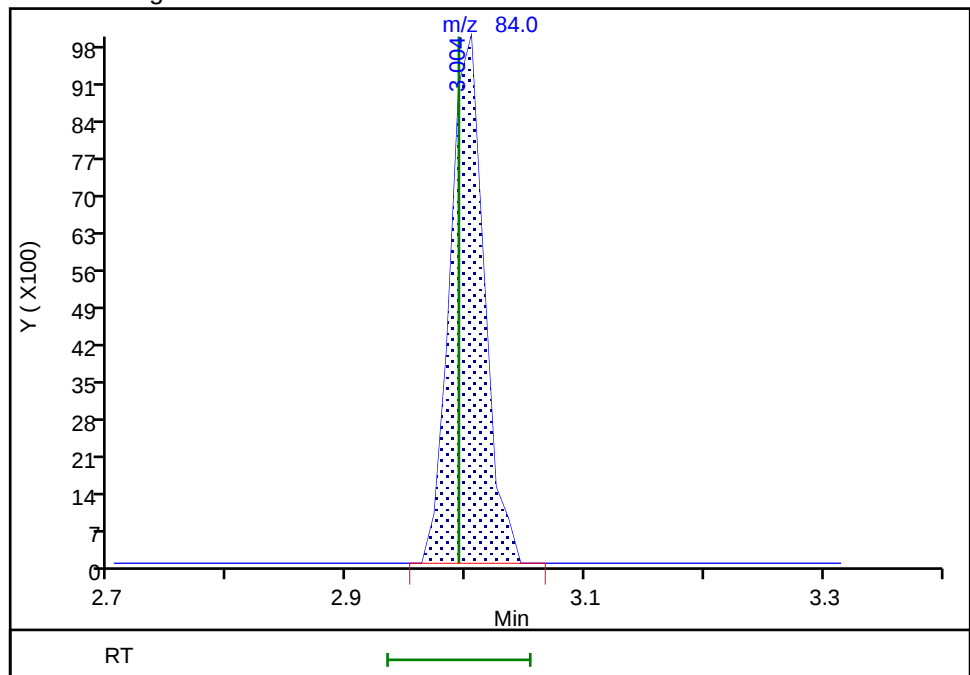
Not Detected
Expected RT: 2.99

Processing Integration Results



RT: 3.00
Area: 19819
Amount: 1.159362
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:15:29
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D

Injection Date: 25-Jun-2018 16:40:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 8

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

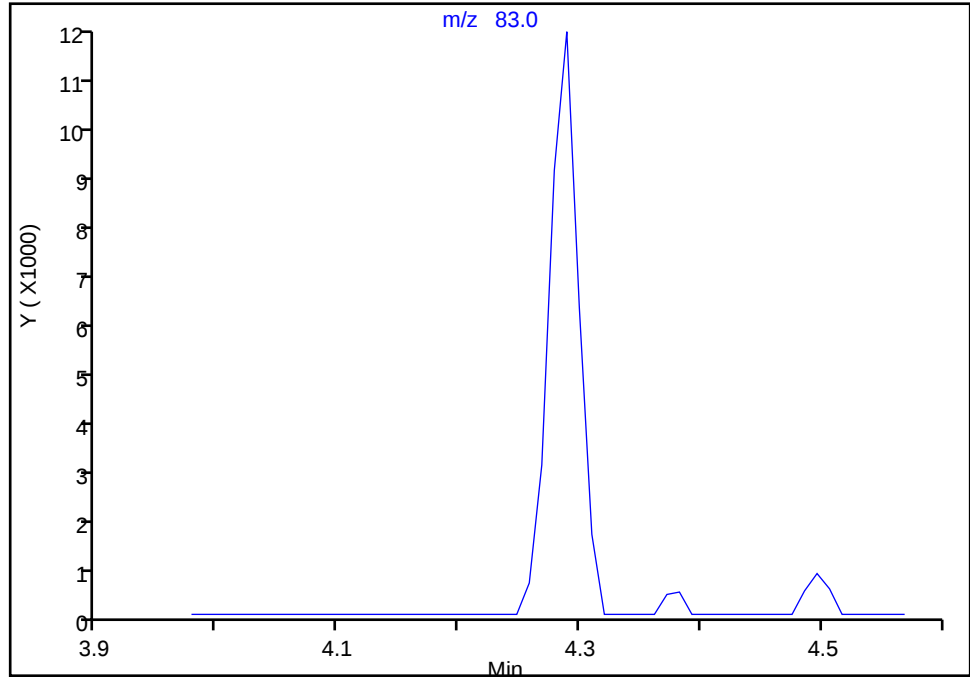
50 Chloroform, CAS: 67-66-3

Signal: 1

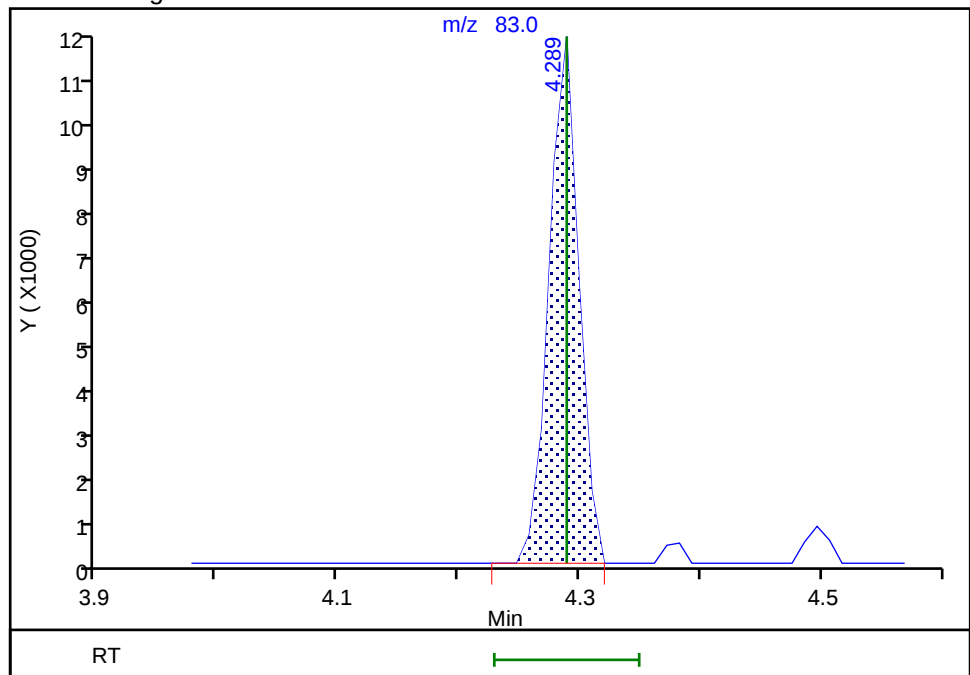
Not Detected

Expected RT: 4.29

Processing Integration Results



Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:18:28

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D

Injection Date: 25-Jun-2018 16:40:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 8

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

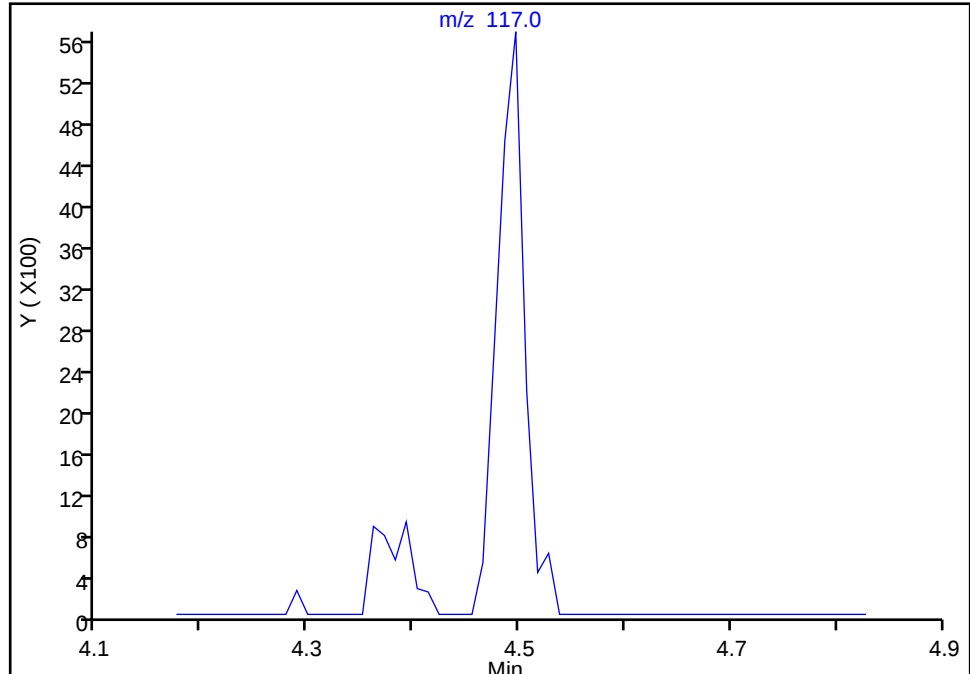
53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

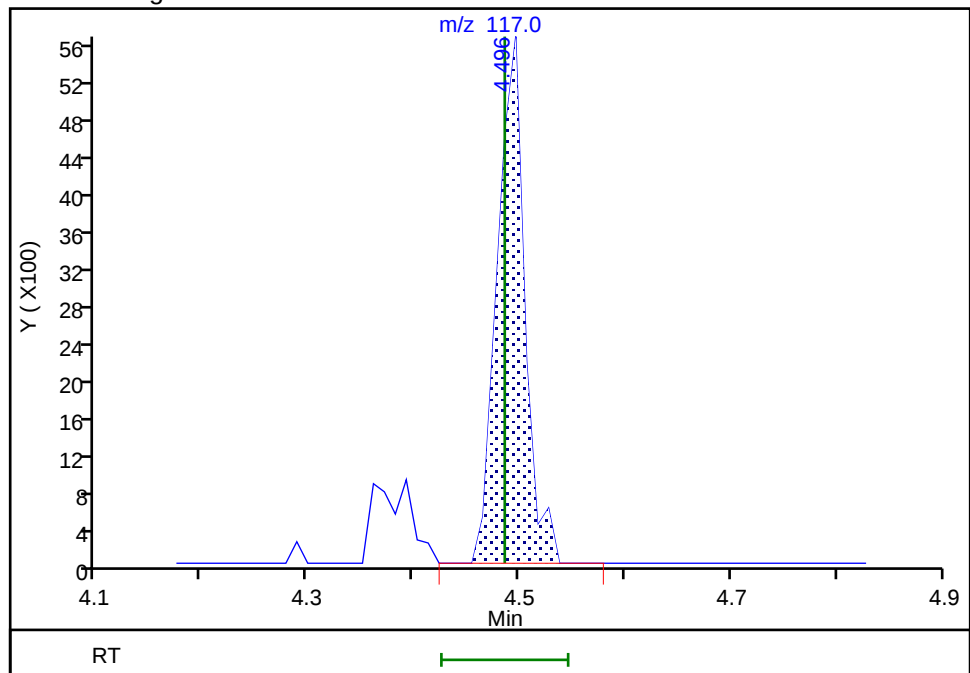
Not Detected

Expected RT: 4.49

Processing Integration Results



Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:19:15

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D

Injection Date: 25-Jun-2018 16:40:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

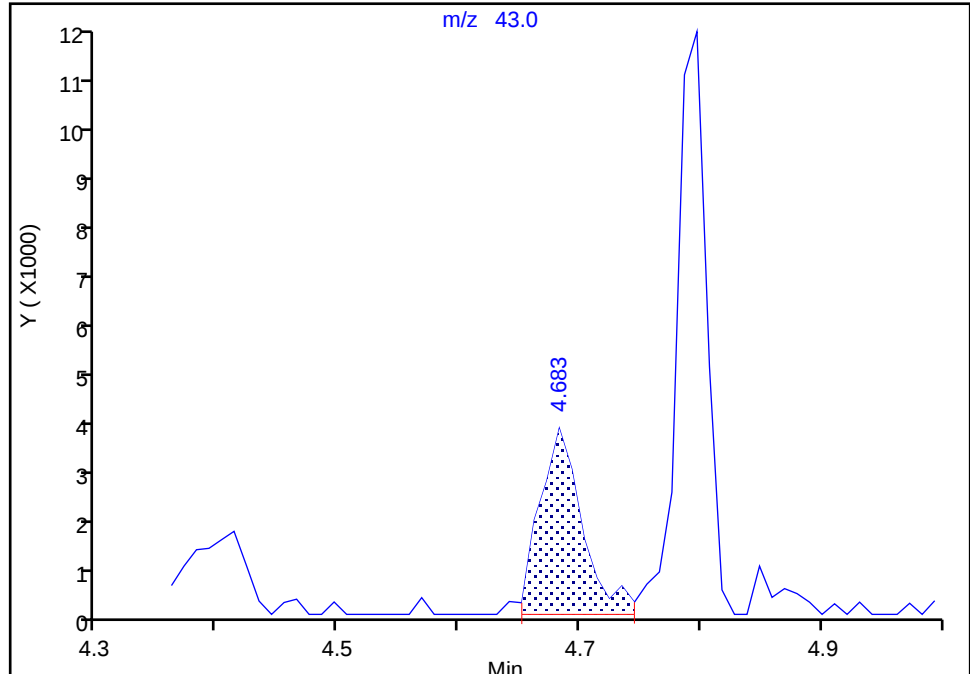
Detector: MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

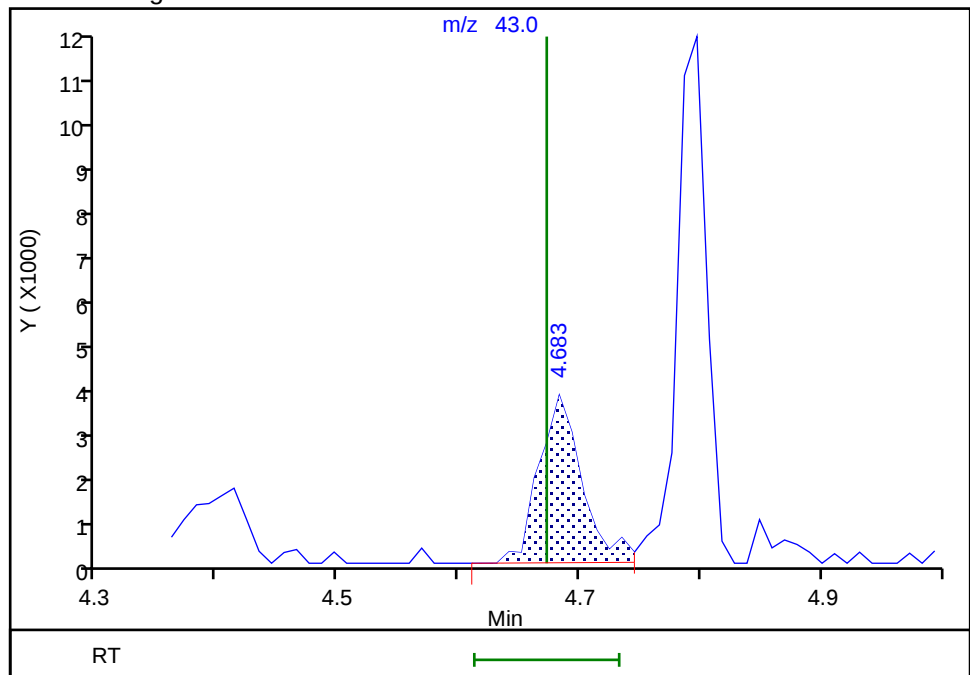
RT: 4.68
Area: 8886
Amount: 26.112297
Amount Units: ug/L

Processing Integration Results



RT: 4.68
Area: 8953
Amount: 24.977462
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:26:56

Audit Action: Assigned New Baseline

Audit Reason: Poor chromatography

TestAmerica Buffalo

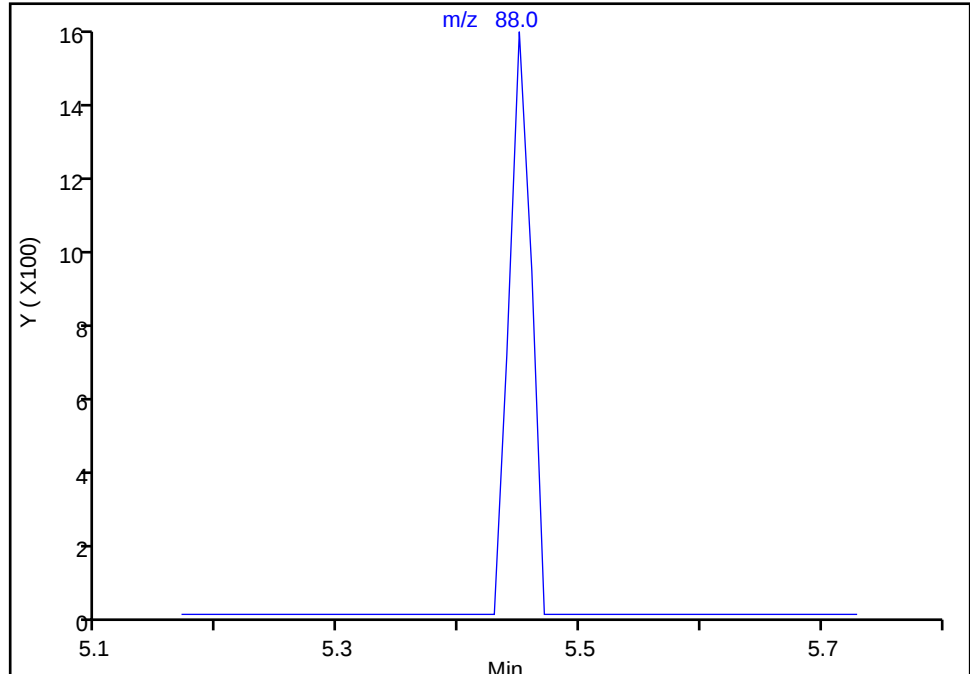
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D
Injection Date: 25-Jun-2018 16:40:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: LH/ZV ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

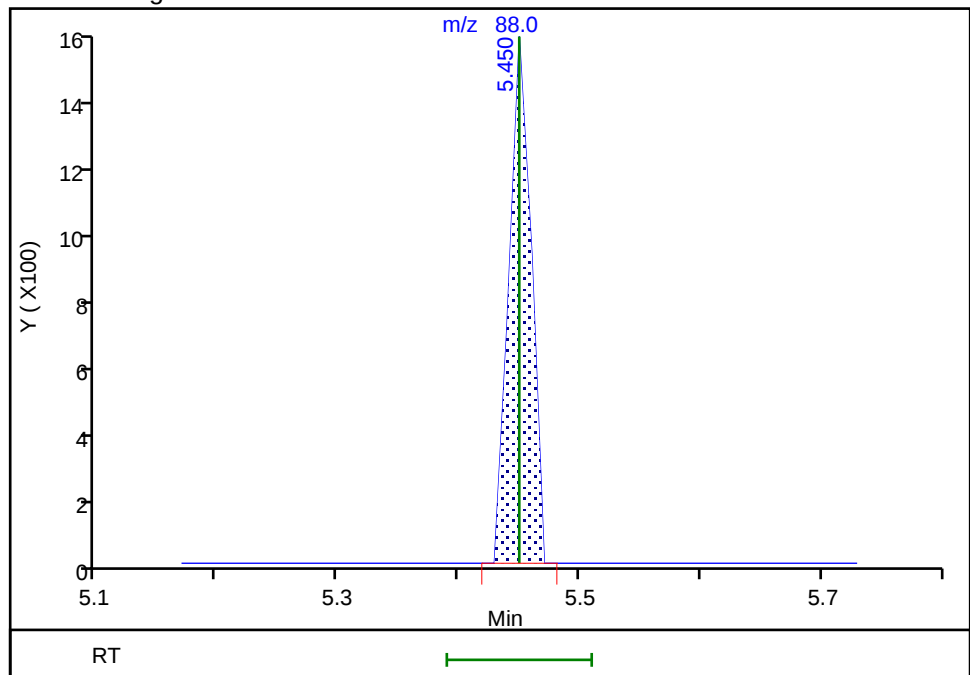
Not Detected
Expected RT: 5.45

Processing Integration Results



RT: 5.45
Area: 1912
Amount: 20.799762
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:28:18
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 361 of 503

07/11/2018

TestAmerica Buffalo

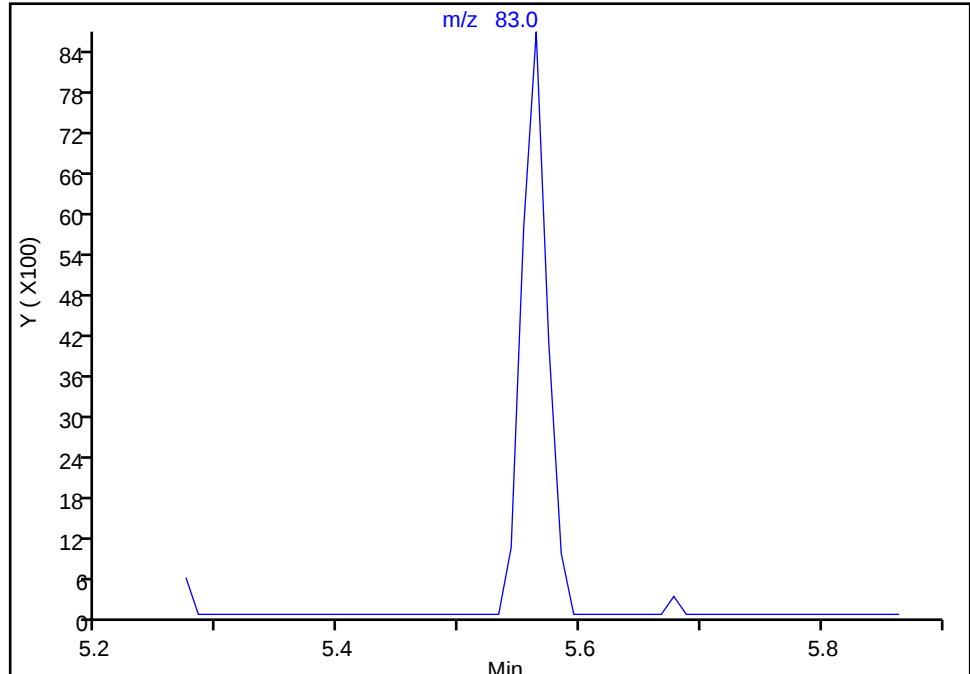
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D
Injection Date: 25-Jun-2018 16:40:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: LH/ZV ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

67 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

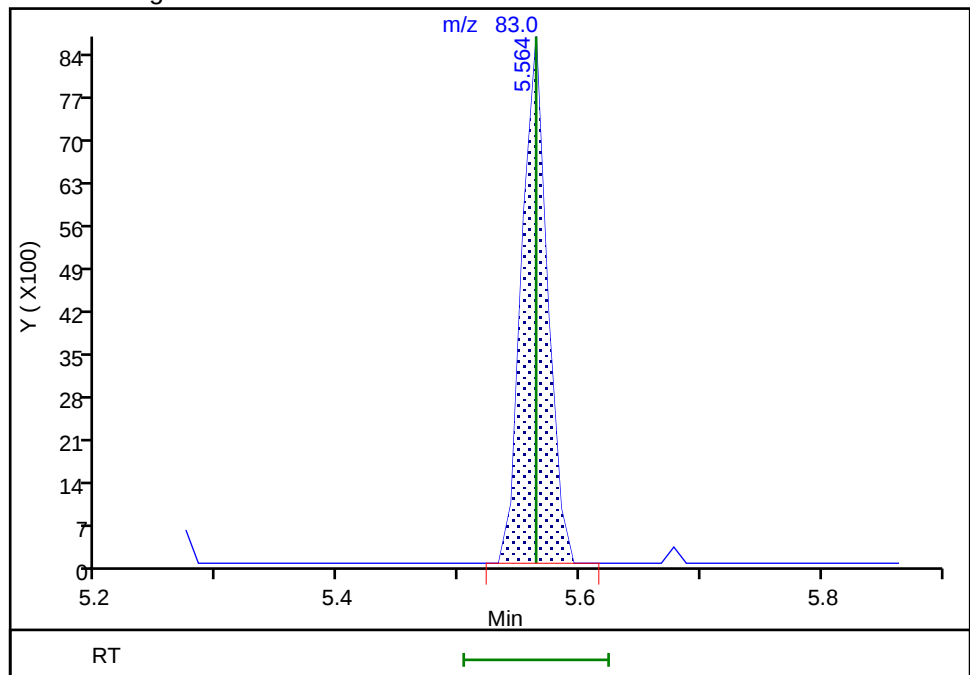
Not Detected
Expected RT: 5.56

Processing Integration Results



RT: 5.56
Area: 12674
Amount: 1.032465
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:29:37
Audit Action: Assigned Compound ID

Audit Reason: Missed Peak
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07/11/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D

Injection Date: 25-Jun-2018 16:40:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 8

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

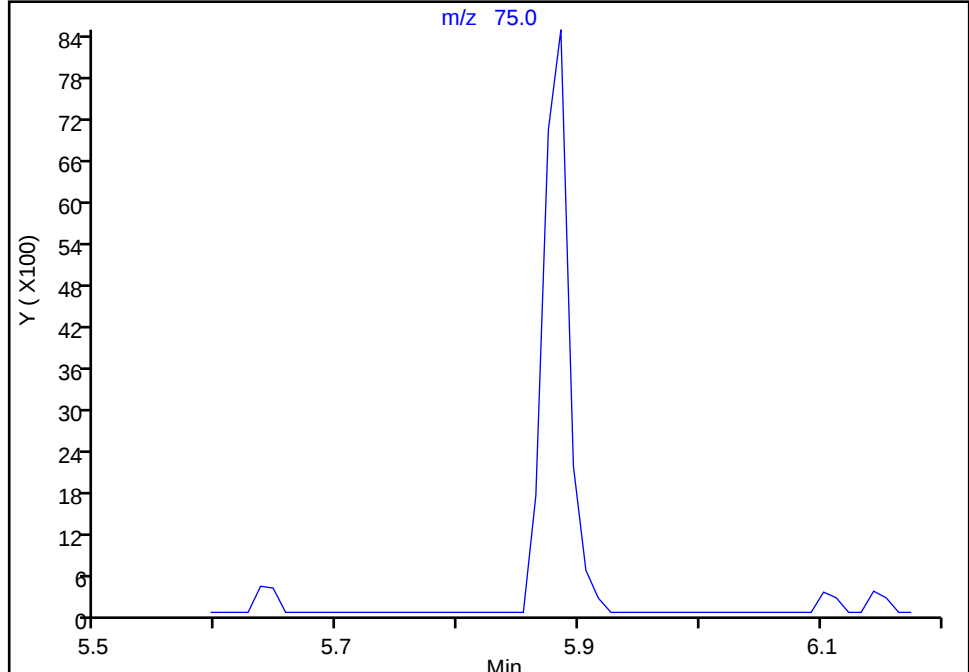
71 cis-1,3-Dichloropropene, CAS: 10061-01-5

Signal: 1

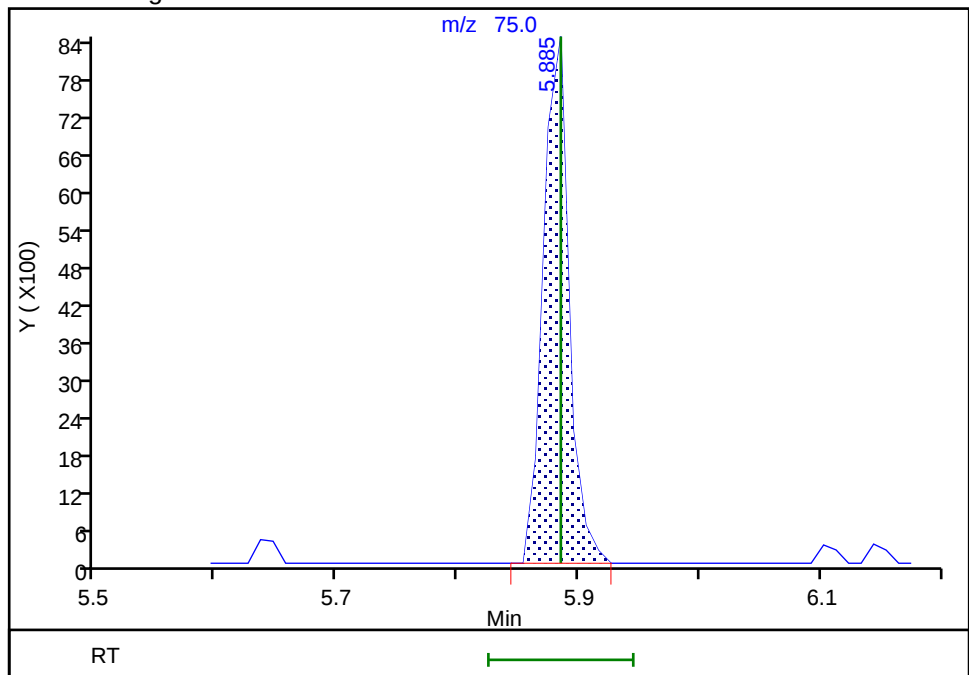
Not Detected

Expected RT: 5.88

Processing Integration Results



Manual Integration Results



RT: 5.89

Area: 12423

Amount: 0.897194

Amount Units: ug/L

Reviewer: velickovics, 26-Jun-2018 12:29:53

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D

Injection Date: 25-Jun-2018 16:40:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

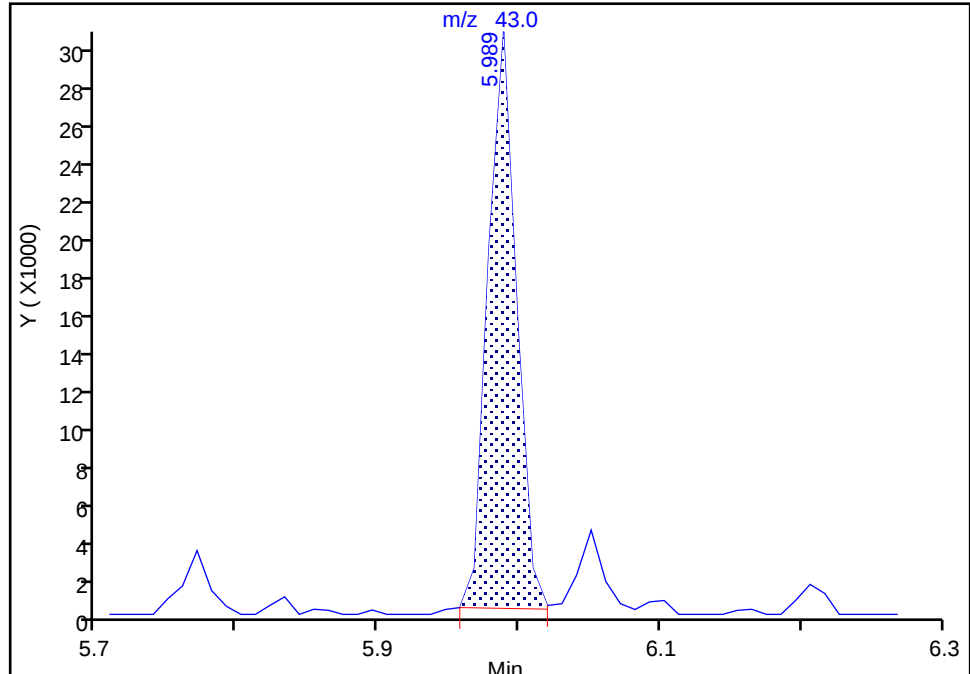
MS SCAN

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

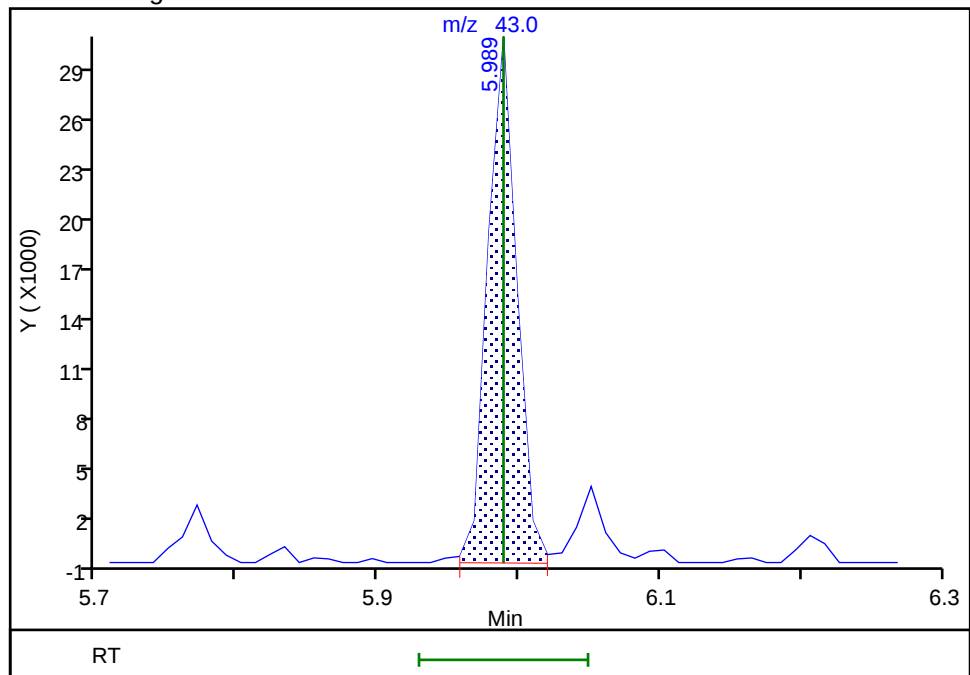
RT: 5.99
Area: 41973
Amount: 4.372308
Amount Units: ug/L

Processing Integration Results



RT: 5.99
Area: 43437
Amount: 4.507626
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:30:11

Audit Action: Assigned New Baseline

Audit Reason: Missed Peak

TestAmerica Buffalo

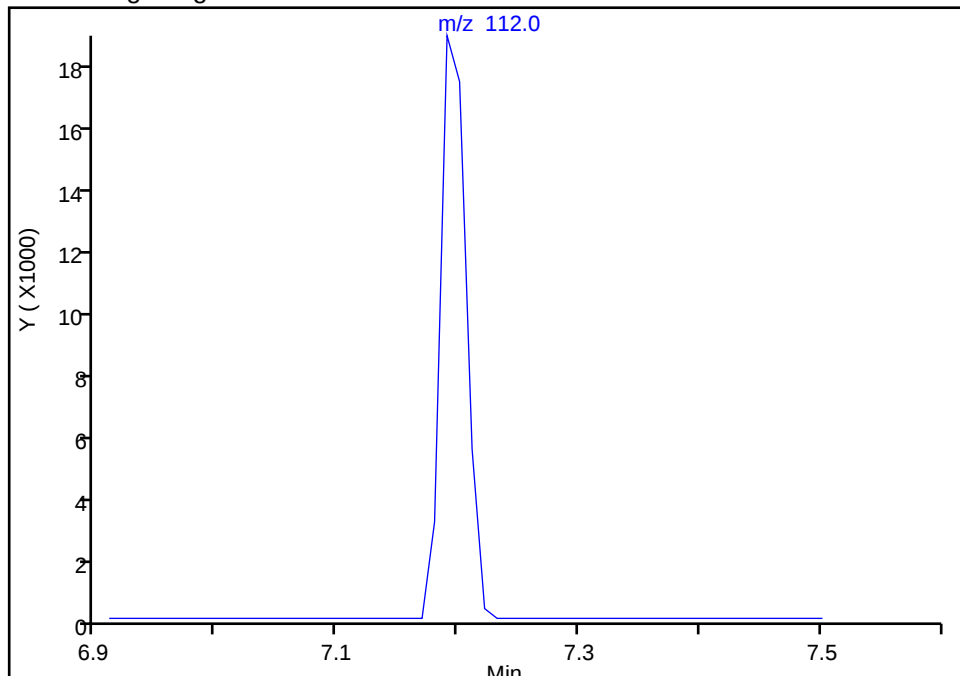
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D
Injection Date: 25-Jun-2018 16:40:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: LH/ZV ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

86 Chlorobenzene, CAS: 108-90-7

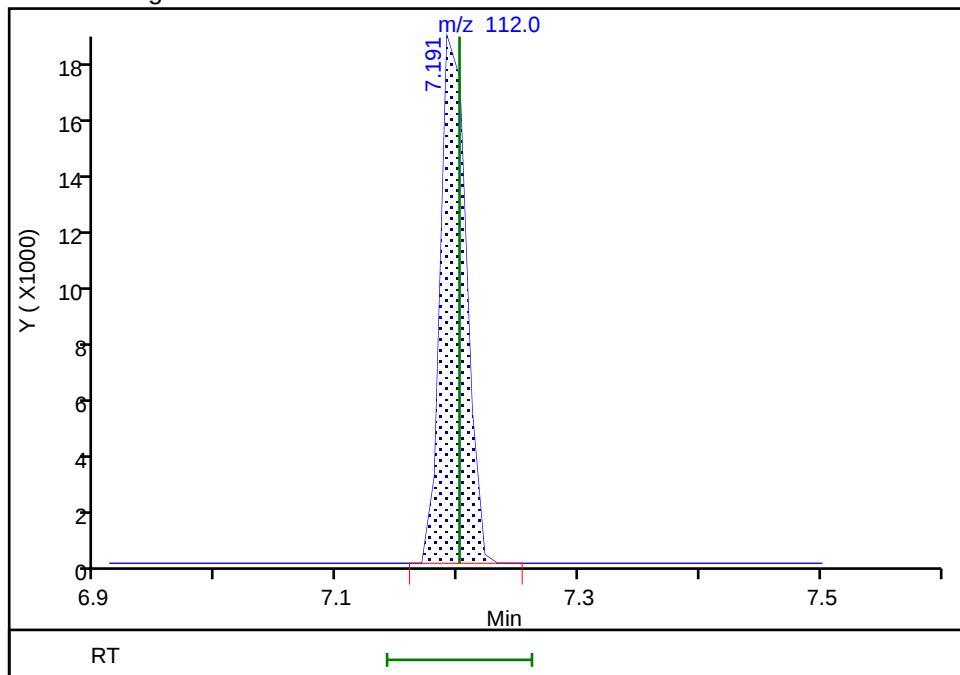
Signal: 1

Not Detected
Expected RT: 7.20

Processing Integration Results



Manual Integration Results



RT: 7.19
Area: 27080
Amount: 0.894557
Amount Units: ug/L

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0005.D

Injection Date: 25-Jun-2018 16:40:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 8

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

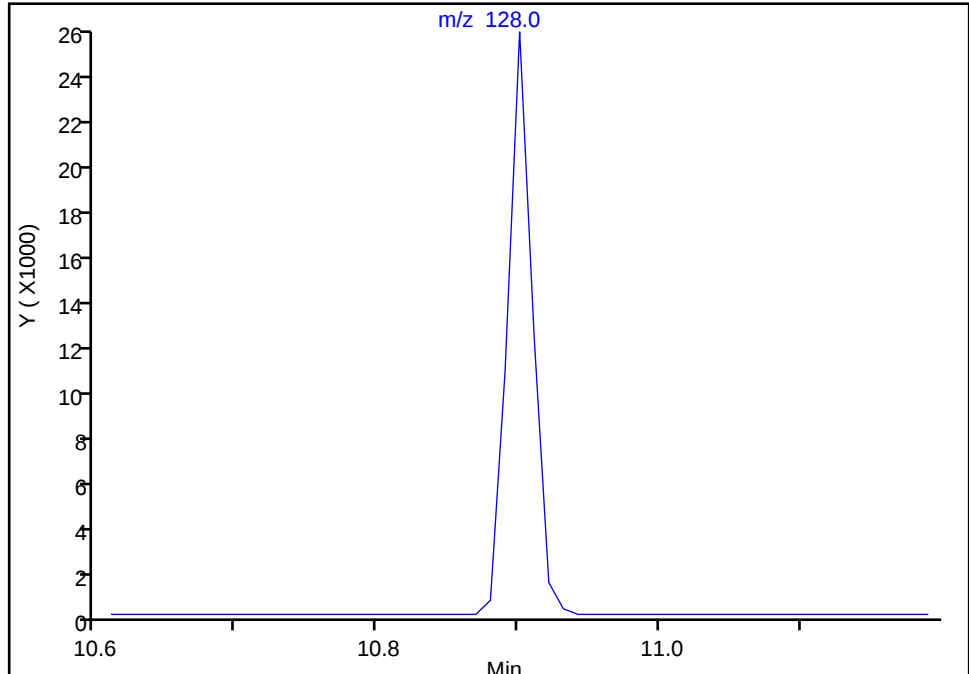
121 Naphthalene, CAS: 91-20-3

Signal: 1

Not Detected

Expected RT: 10.90

Processing Integration Results



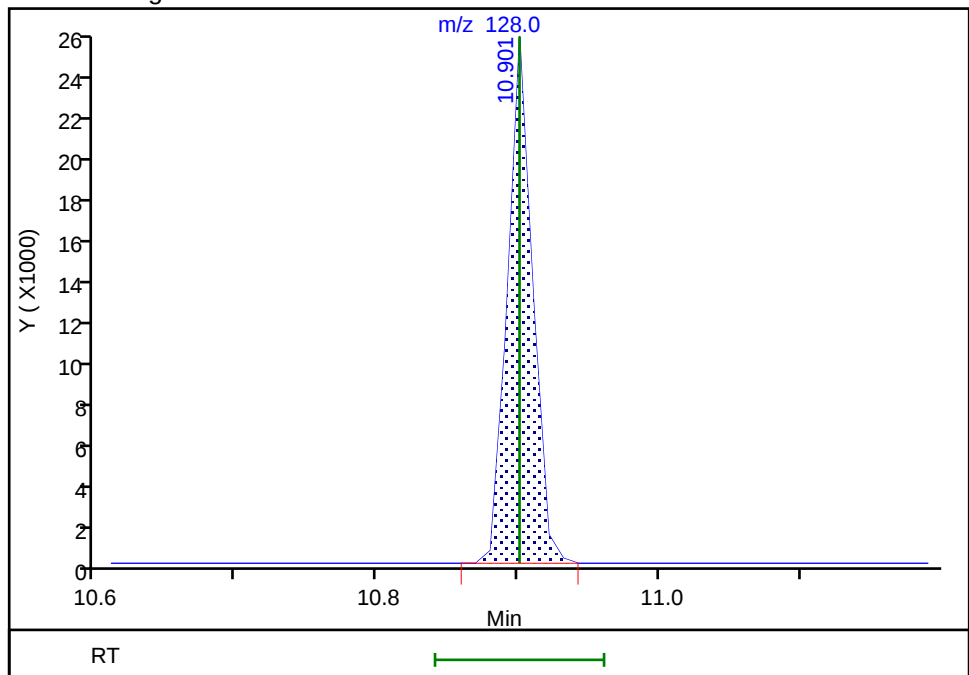
RT: 10.90

Area: 31979

Amount: 0.844794

Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:31:37

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0006.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 25-Jun-2018 17:04:30 ALS Bottle#: 5 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0072610-009
 Operator ID: LH/ZV Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 26-Jun-2018 16:42:40 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK041

First Level Reviewer: velickovics

Date: 26-Jun-2018 10:58:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	98	187495	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.180	-0.010	91	765357	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	96	435041	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	92	225937	25.0	24.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	282405	25.0	24.4	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.051	0.000	95	819893	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.113	-0.010	0	249189	25.0	24.6	
11 Dichlorodifluoromethane	85	1.222	1.242	-0.020	98	18950	2.00	1.95	
13 Chloromethane	50	1.398	1.398	0.000	98	29695	2.00	1.80	
14 Vinyl chloride	62	1.481	1.481	0.000	77	24931	2.00	1.90	
151 Butadiene	54	1.491	1.501	-0.010	87	28327	2.00	2.01	
15 Bromomethane	94	1.771	1.781	-0.010	91	18358	2.00	2.01	Ma
16 Chloroethane	64	1.833	1.843	-0.010	87	17458	2.00	2.15	Ma
17 Trichlorofluoromethane	101	2.061	2.071	-0.010	62	31507	2.00	1.92	M
18 Dichlorofluoromethane	67	2.071	2.071	0.000	95	34177	2.00	1.80	
19 Ethyl ether	59	2.310	2.310	0.000	90	18595	2.00	1.85	
21 Acrolein	56	2.486	2.486	0.000	96	14300	10.0	9.45	M
22 1,1-Dichloroethene	96	2.517	2.517	0.000	93	18625	2.00	2.06	
20 1,1,2-Trichloro-1,2,2-trif	101	2.517	2.527	-0.010	57	20173	2.00	1.98	
23 Acetone	43	2.631	2.641	-0.010	20	33176	10.0	9.81	M
24 Iodomethane	142	2.672	2.672	0.000	97	34885	2.00	1.94	
25 Carbon disulfide	76	2.703	2.703	0.000	99	52676	2.00	1.88	
27 3-Chloro-1-propene	41	2.859	2.859	0.000	83	38172	2.00	2.03	Ma
28 Methyl acetate	43	2.900	2.900	0.000	89	31434	4.00	3.62	M
30 Methylene Chloride	84	2.994	2.994	0.000	93	28164	2.00	1.84	
31 2-Methyl-2-propanol	59	3.170	3.159	0.011	47	17140	20.0	17.9	
33 Methyl tert-butyl ether	73	3.180	3.180	0.000	97	51201	2.00	1.83	
32 trans-1,2-Dichloroethene	96	3.191	3.191	0.000	91	19147	2.00	1.90	
34 Acrylonitrile	53	3.253	3.253	0.000	97	74653	20.0	18.3	
35 Hexane	57	3.346	3.356	-0.010	95	36439	2.00	1.97	

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	3.553	3.553	0.000	96	39660	2.00	1.99	
39 Vinyl acetate	43	3.595	3.595	0.000	98	73550	4.00	3.71	
42 2,2-Dichloropropane	77	4.009	3.999	0.010	81	26534	2.00	1.91	
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	84	24826	2.00	2.03	
44 2-Butanone (MEK)	43	4.061	4.051	0.010	98	44961	10.0	9.55	M
48 Tetrahydrofuran	42	4.237	4.227	0.010	32	12745	4.00	4.12	M
47 Chlorobromomethane	128	4.227	4.227	0.000	96	12236	2.00	2.00	
50 Chloroform	83	4.289	4.289	0.000	97	36468	2.00	1.93	
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	79	26712	2.00	1.71	
52 Cyclohexane	56	4.382	4.382	0.000	94	43381	2.00	2.09	
53 Carbon tetrachloride	117	4.486	4.486	0.000	75	24120	2.00	1.81	
54 1,1-Dichloropropene	75	4.496	4.496	0.000	84	25638	2.00	1.87	
55 Benzene	78	4.662	4.662	0.000	52	73431	2.00	1.94	
56 Isobutyl alcohol	43	4.683	4.672	0.011	29	15095	50.0	40.8	M
57 1,2-Dichloroethane	62	4.724	4.724	0.000	94	35298	2.00	1.97	
59 n-Heptane	43	4.797	4.797	0.000	93	35661	2.00	1.92	
60 Trichloroethene	95	5.149	5.149	0.000	89	21271	2.00	2.00	
62 Methylcyclohexane	83	5.242	5.242	0.000	93	35702	2.00	2.03	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	84	19312	2.00	1.77	
65 Dibromomethane	93	5.450	5.450	0.000	95	10919	2.00	1.65	
66 1,4-Dioxane	88	5.450	5.450	0.000	40	3622	40.0	39.8	Ma
67 Dichlorobromomethane	83	5.564	5.564	0.000	97	22597	2.00	1.78	
69 2-Chloroethyl vinyl ether	63	5.771	5.771	0.000	90	10952	2.00	1.67	
71 cis-1,3-Dichloropropene	75	5.885	5.885	0.000	88	23612	2.00	1.65	
72 4-Methyl-2-pentanone (MIBK)	43	5.989	5.989	0.000	97	80565	10.0	8.45	
73 Toluene	92	6.103	6.103	0.000	96	48837	2.00	1.88	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	90	21428	2.00	1.71	
77 Ethyl methacrylate	69	6.331	6.331	0.000	94	17544	2.00	1.79	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	93	11922	2.00	1.67	
79 Tetrachloroethene	166	6.507	6.507	0.000	94	22394	2.00	1.93	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	96	27217	2.00	1.88	
81 2-Hexanone	43	6.621	6.621	0.000	97	57304	10.0	8.73	
82 Chlorodibromomethane	129	6.766	6.766	0.000	90	13997	2.00	1.64	
83 Ethylene Dibromide	107	6.849	6.849	0.000	99	15063	2.00	1.77	
86 Chlorobenzene	112	7.201	7.201	0.000	95	60569	2.00	2.02	
88 Ethylbenzene	91	7.253	7.253	0.000	98	97110	2.00	2.01	
89 1,1,1,2-Tetrachloroethane	131	7.274	7.274	0.000	87	17812	2.00	1.79	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	35426	2.00	1.86	
91 o-Xylene	106	7.667	7.667	0.000	95	34845	2.00	1.90	
92 Styrene	104	7.688	7.688	0.000	93	57466	2.00	1.88	
93 Bromoform	173	7.885	7.885	0.000	93	8164	2.00	1.86	
95 Isopropylbenzene	105	7.947	7.947	0.000	97	85992	2.00	1.77	
97 Bromobenzene	156	8.227	8.227	0.000	89	24300	2.00	1.84	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	95	18441	2.00	1.84	
99 N-Propylbenzene	91	8.279	8.279	0.000	99	105948	2.00	1.89	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	92	5745	2.00	1.68	
101 trans-1,4-Dichloro-2-buten	53	8.300	8.300	0.000	73	7653	2.00	1.86	
105 2-Chlorotoluene	126	8.372	8.372	0.000	96	22329	2.00	1.81	
104 1,3,5-Trimethylbenzene	105	8.414	8.414	0.000	94	76403	2.00	1.88	
102 4-Chlorotoluene	91	8.455	8.455	0.000	98	69903	2.00	1.92	
106 tert-Butylbenzene	134	8.683	8.683	0.000	92	18519	2.00	1.92	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	97	80371	2.00	1.90	

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	8.859	8.859	0.000	94	95636	2.00	1.85	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	96	78765	2.00	1.78	
110 1,3-Dichlorobenzene	146	8.983	8.983	0.000	97	51440	2.00	1.95	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	94	55472	2.00	2.02	
115 n-Butylbenzene	91	9.315	9.315	0.000	98	76833	2.00	1.88	
116 1,2-Dichlorobenzene	146	9.377	9.377	0.000	97	45967	2.00	1.82	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.041	0.000	73	2252	2.00	1.65	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	94	29918	2.00	1.69	
120 Hexachlorobutadiene	225	10.797	10.797	0.000	92	13792	2.00	1.76	
121 Naphthalene	128	10.901	10.901	0.000	96	68317	2.00	1.80	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	94	29824	2.00	1.77	
S 125 Total BTEX	1				0			9.59	
S 126 Xylenes, Total	1				0			3.76	
S 123 1,3-Dichloropropene, Total	1				0			3.36	
S 124 1,2-Dichloroethene, Total	1				0			3.92	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00288

Amount Added: 2.00

Units: uL

8260 CORP mix_00128

Amount Added: 2.00

Units: uL

T_8260_IS_00195

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00173

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0006.D

Injection Date: 25-Jun-2018 17:04:30

Instrument ID: HP5975T

Operator ID: LH/ZV

Lims ID: IC 2

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

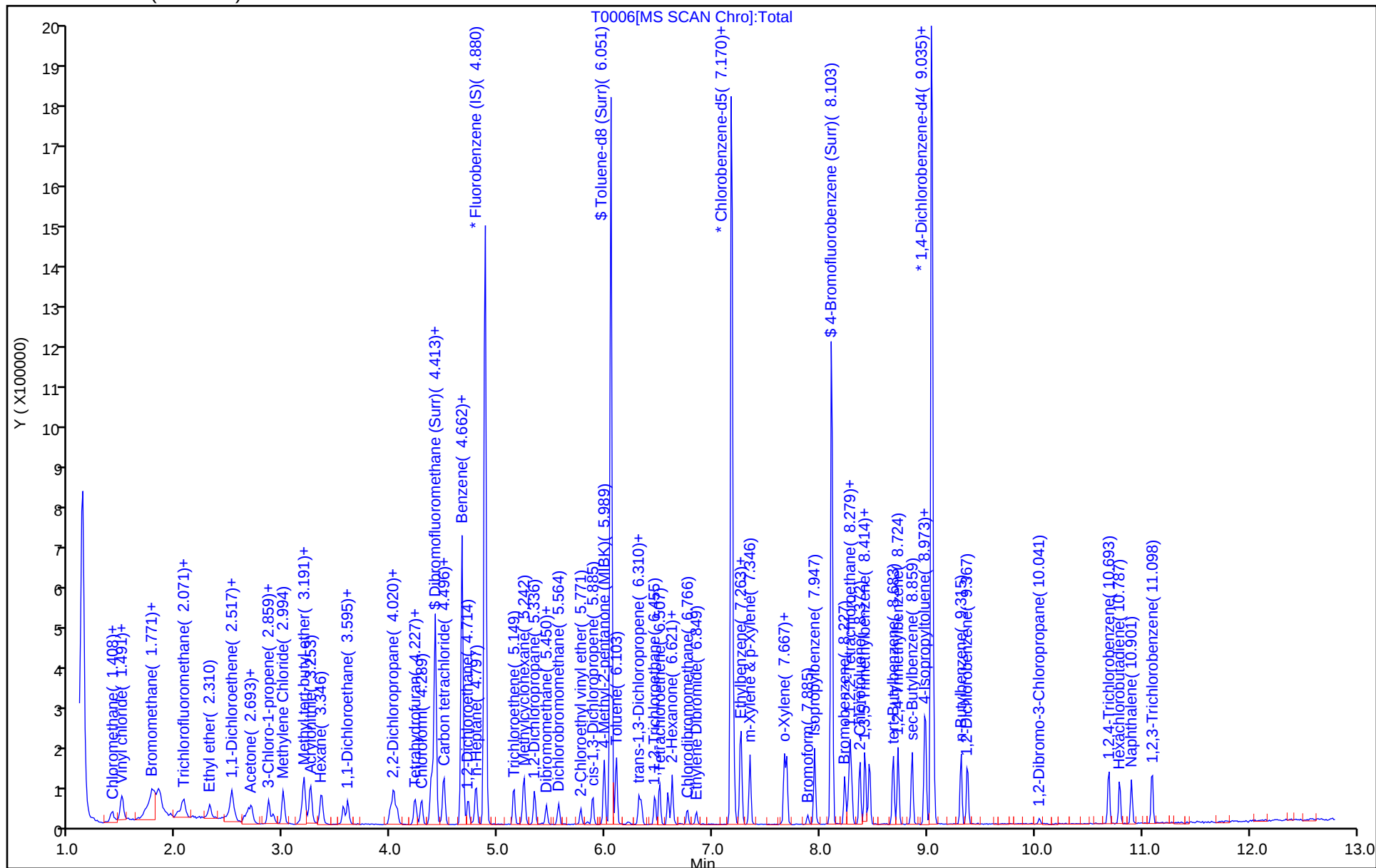
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0006.D

Injection Date: 25-Jun-2018 17:04:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

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)

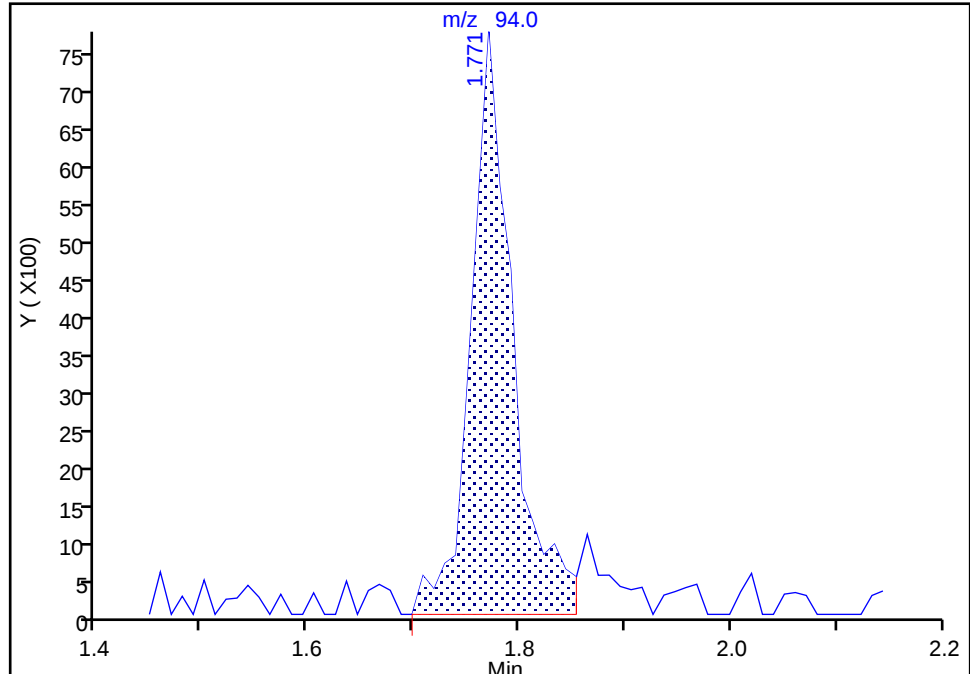
Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

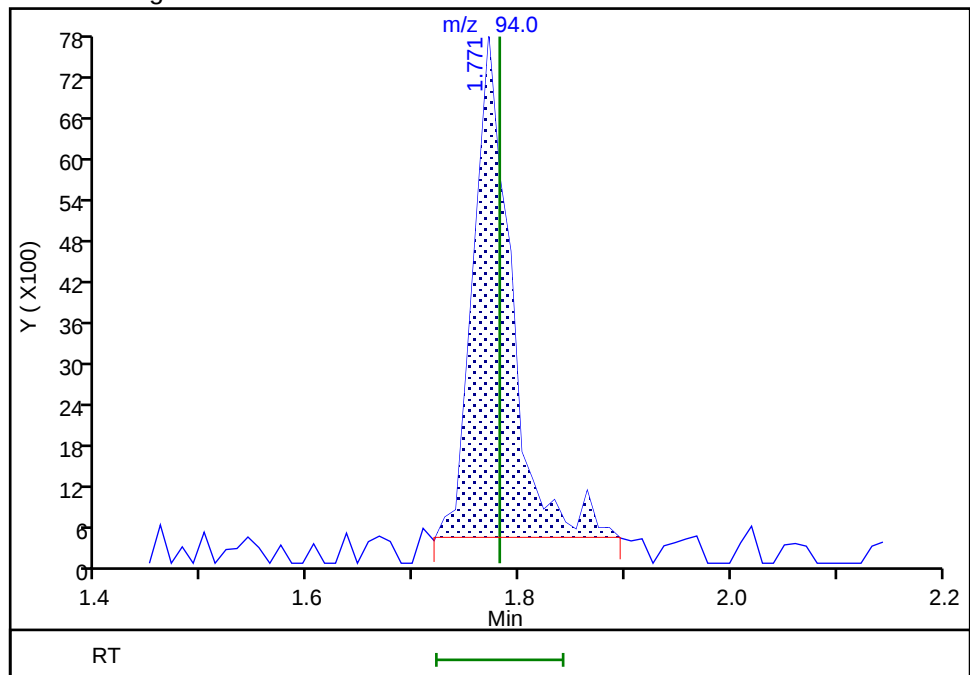
RT: 1.77
Area: 21410
Amount: 1.869252
Amount Units: ug/L

Processing Integration Results



RT: 1.77
Area: 18358
Amount: 2.006553
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Jun-2018 15:25:22

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0006.D

Injection Date: 25-Jun-2018 17:04:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

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)

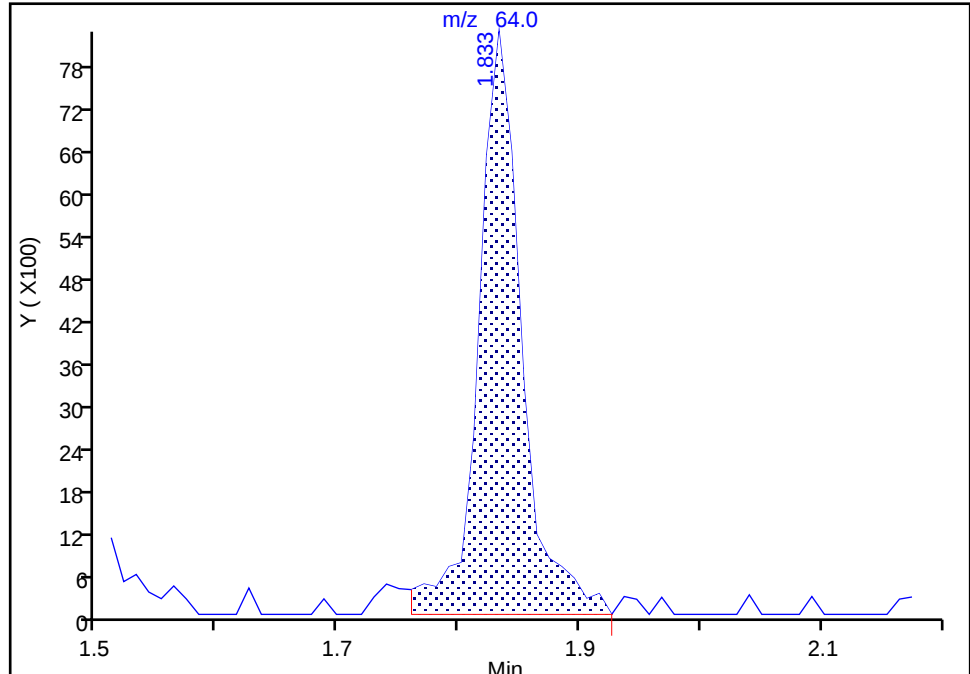
Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

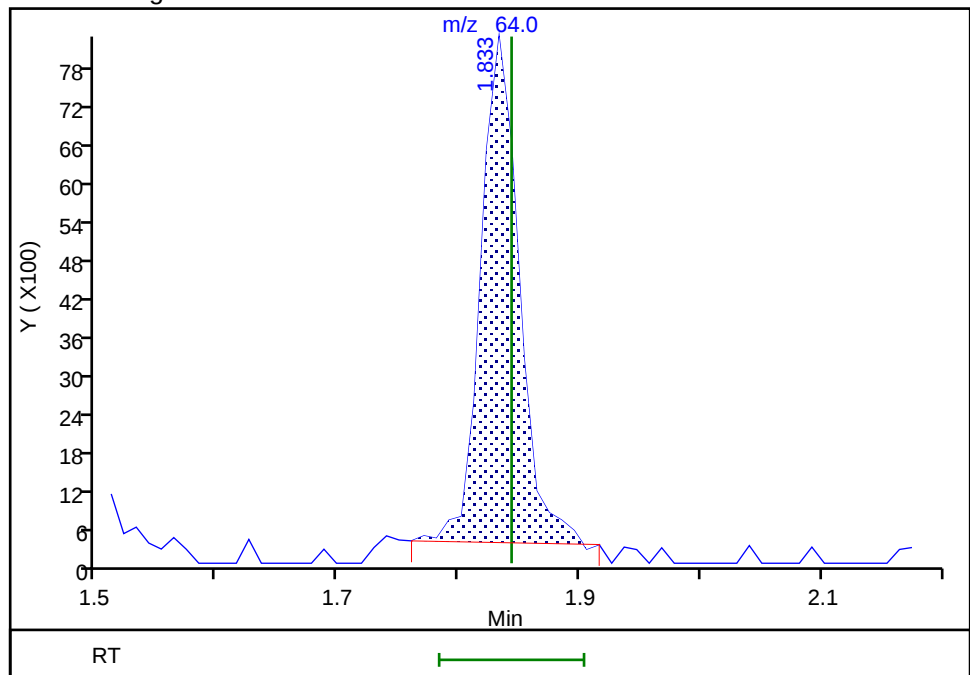
RT: 1.83
Area: 20657
Amount: 2.361988
Amount Units: ug/L

Processing Integration Results



RT: 1.83
Area: 17458
Amount: 2.152543
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:40:34

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0006.D

Injection Date: 25-Jun-2018 17:04:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

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)

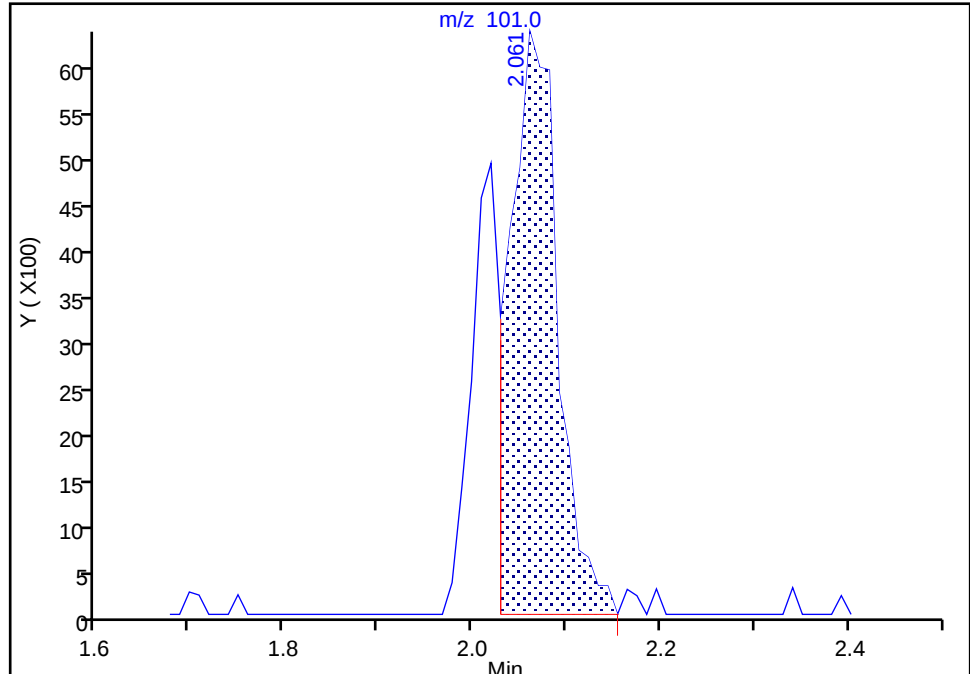
Detector: MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

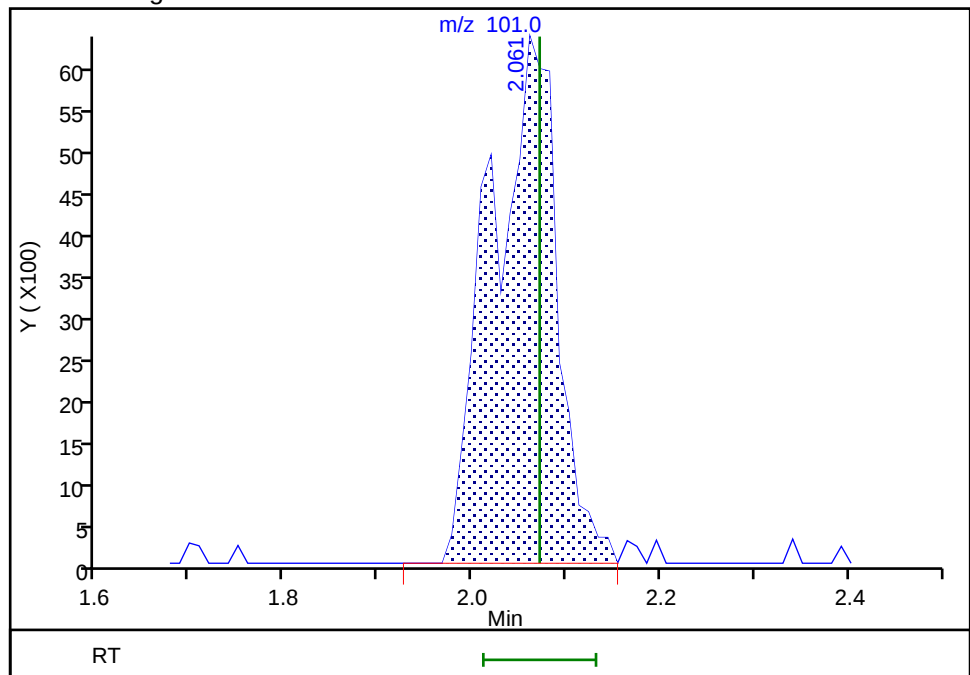
RT: 2.06
Area: 22944
Amount: 1.501067
Amount Units: ug/L

Processing Integration Results



RT: 2.06
Area: 31507
Amount: 1.924144
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:40:55

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0006.D

Injection Date: 25-Jun-2018 17:04:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

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)

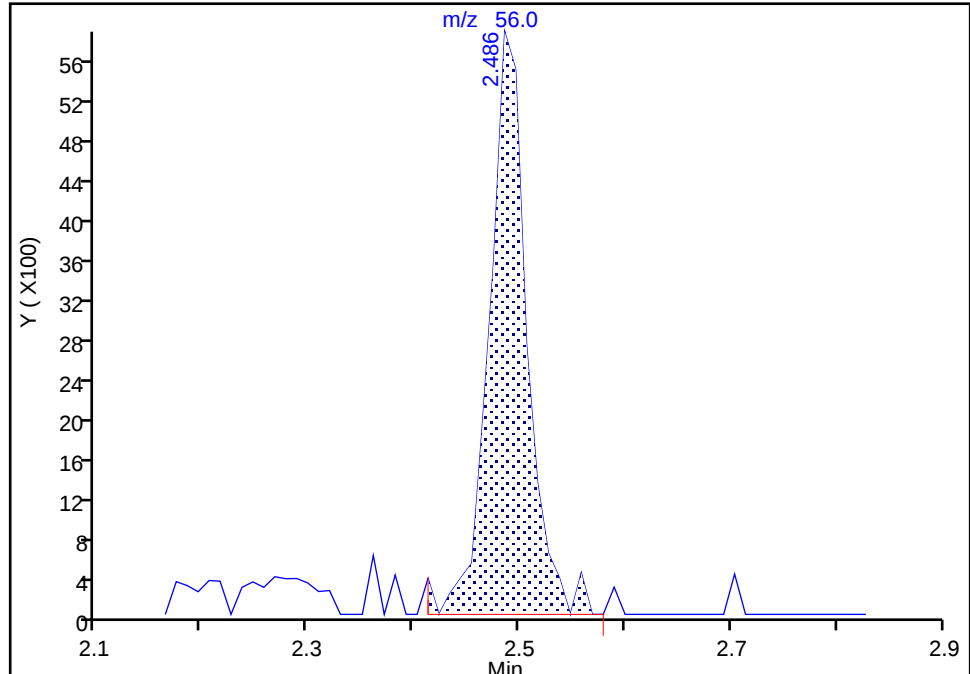
Detector: MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

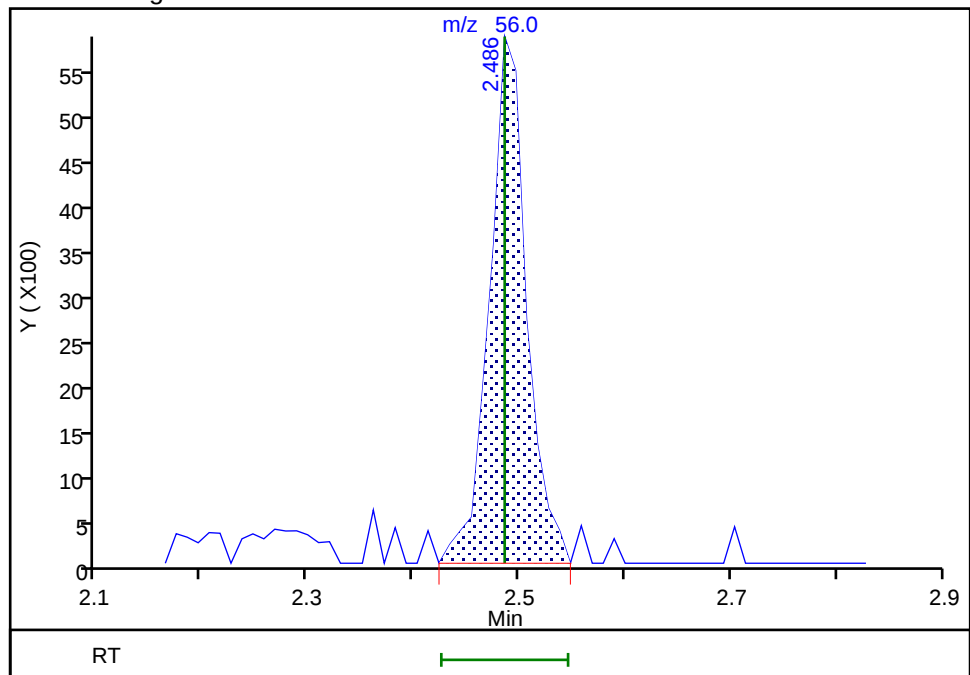
RT: 2.49
Area: 14784
Amount: 9.791000
Amount Units: ug/L

Processing Integration Results



RT: 2.49
Area: 14300
Amount: 9.445332
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:41:14

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0006.D

Injection Date: 25-Jun-2018 17:04:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

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)

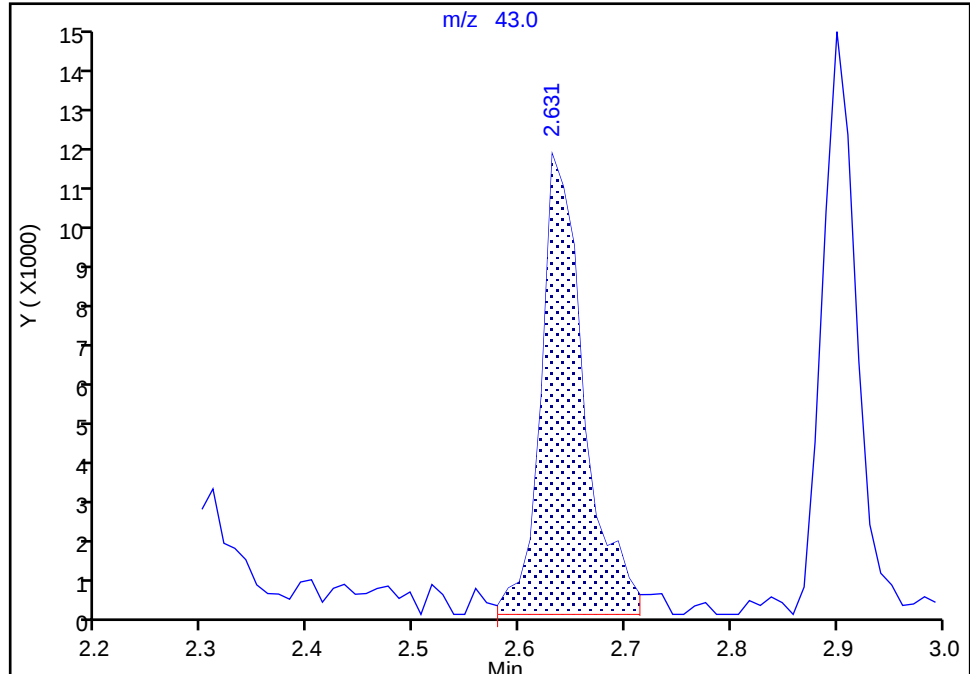
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

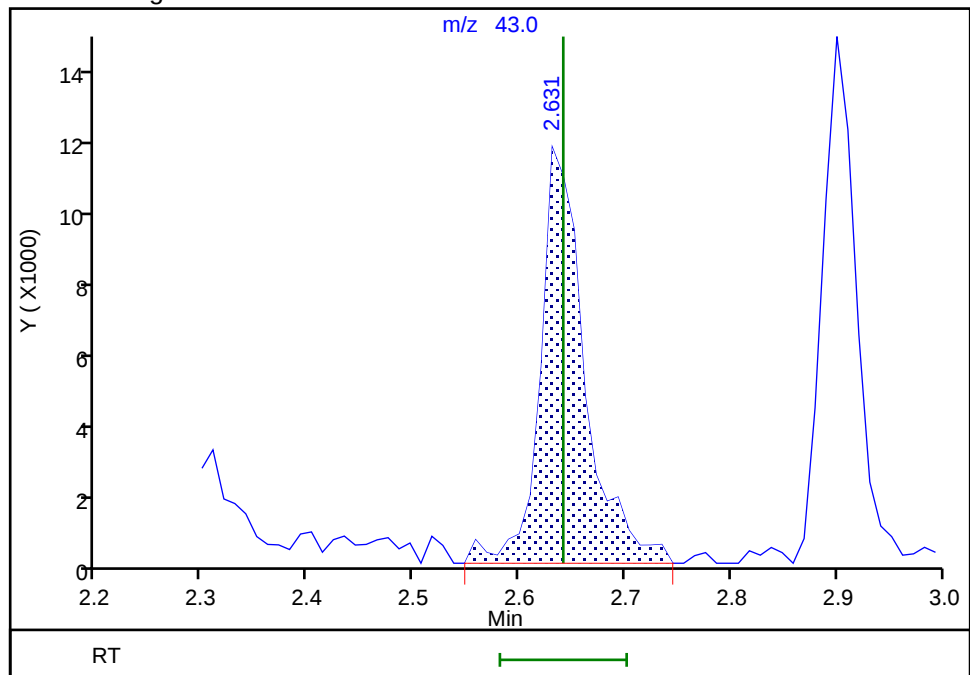
RT: 2.63
Area: 31986
Amount: 9.257496
Amount Units: ug/L

Processing Integration Results



RT: 2.63
Area: 33176
Amount: 9.805592
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:42:05

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0006.D

Injection Date: 25-Jun-2018 17:04:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

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

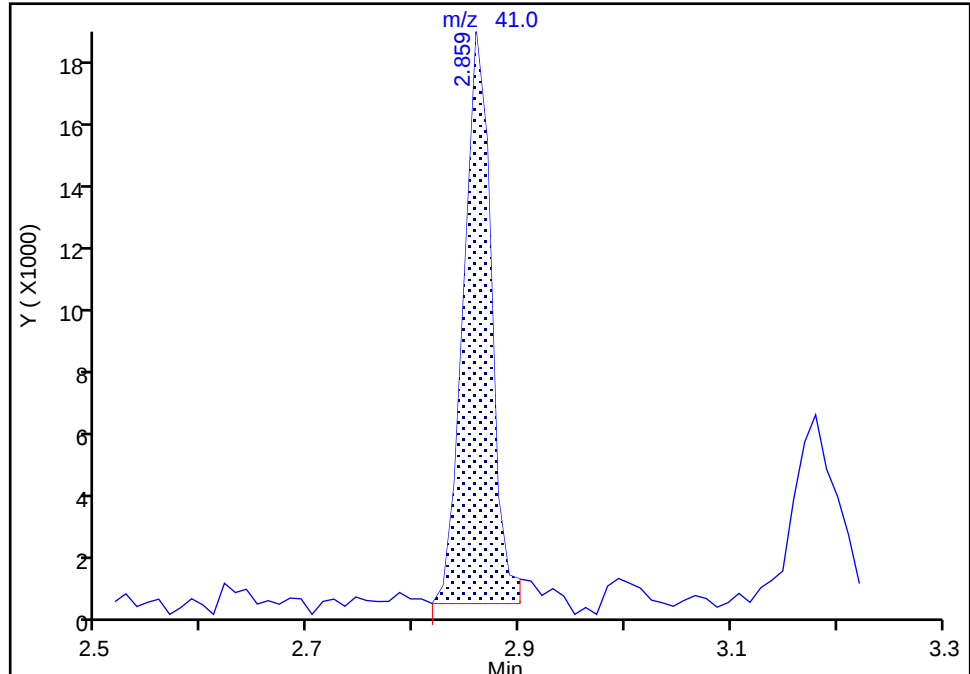
MS SCAN

27 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

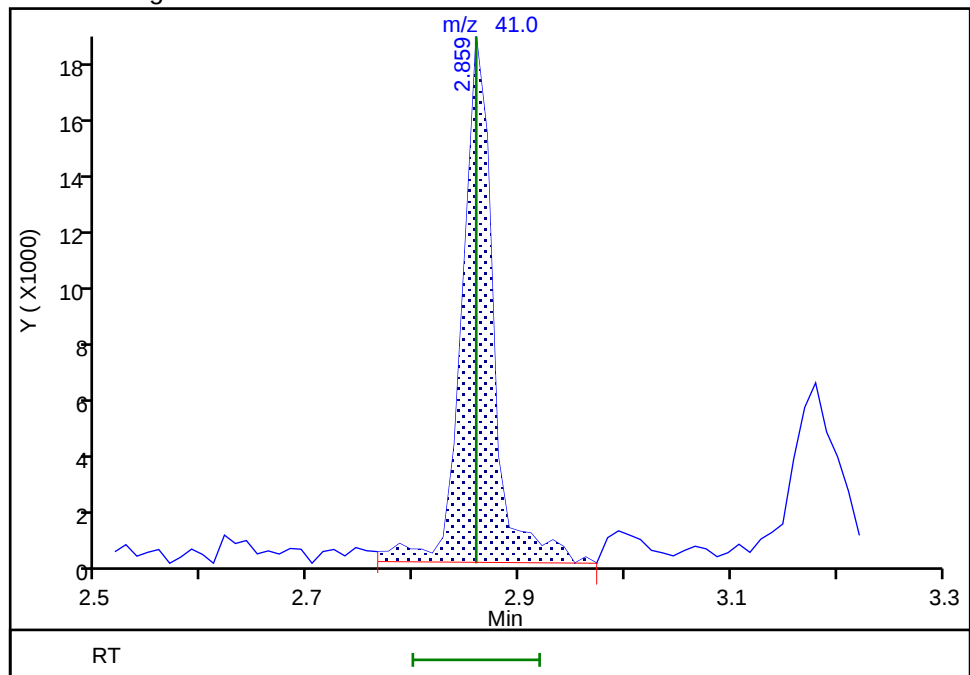
RT: 2.86
Area: 33057
Amount: 1.783937
Amount Units: ug/L

Processing Integration Results



RT: 2.86
Area: 38172
Amount: 2.030618
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:47:42

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0006.D

Injection Date: 25-Jun-2018 17:04:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

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)

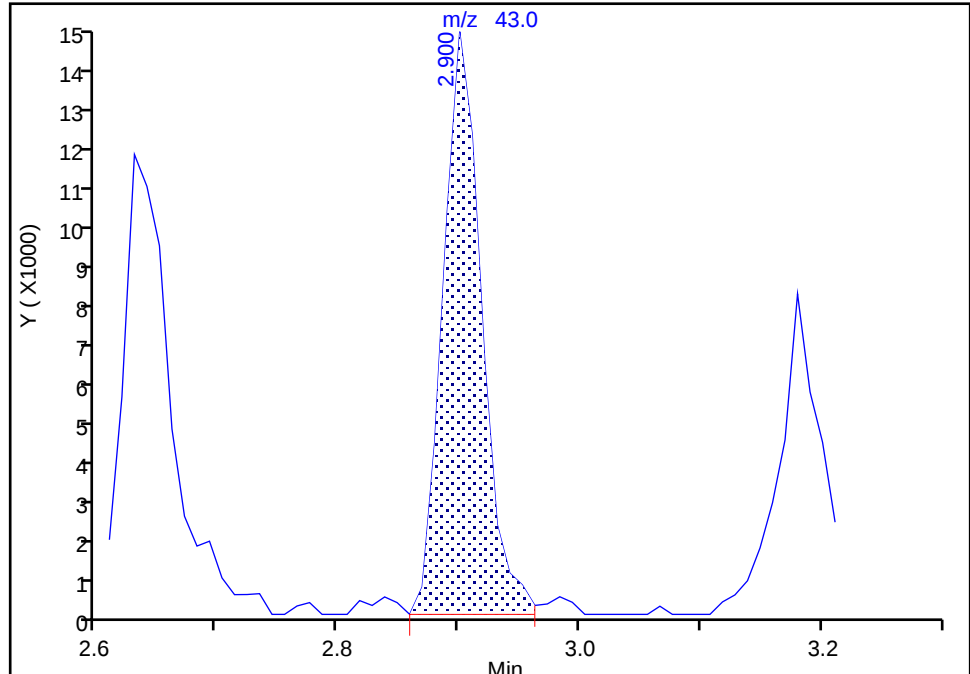
Detector: MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

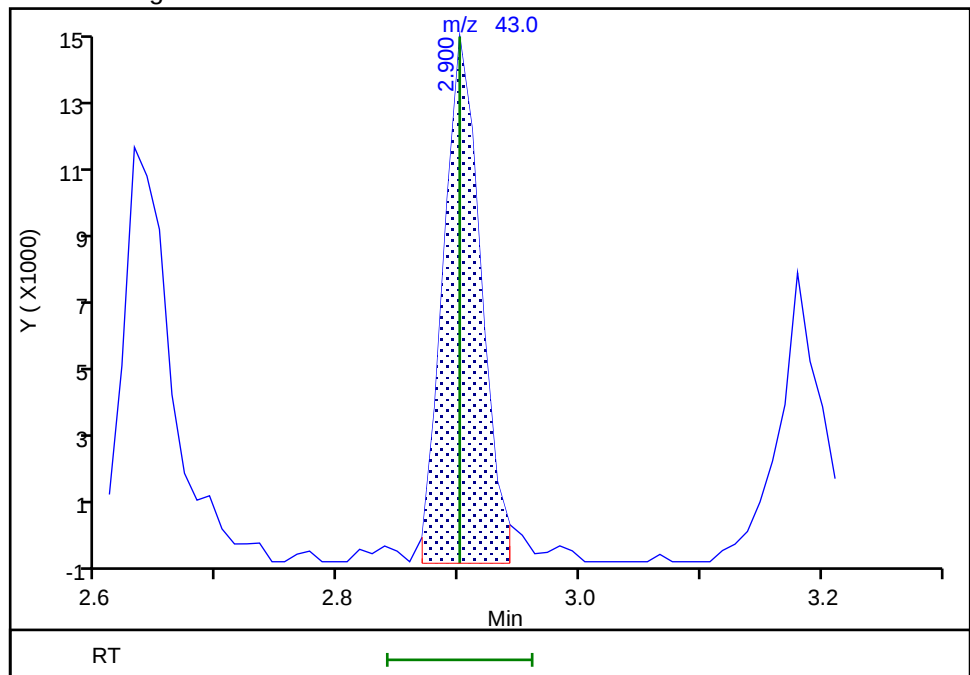
RT: 2.90
Area: 31820
Amount: 3.663043
Amount Units: ug/L

Processing Integration Results



RT: 2.90
Area: 31434
Amount: 3.623639
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:51:02

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0006.D

Injection Date: 25-Jun-2018 17:04:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

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)

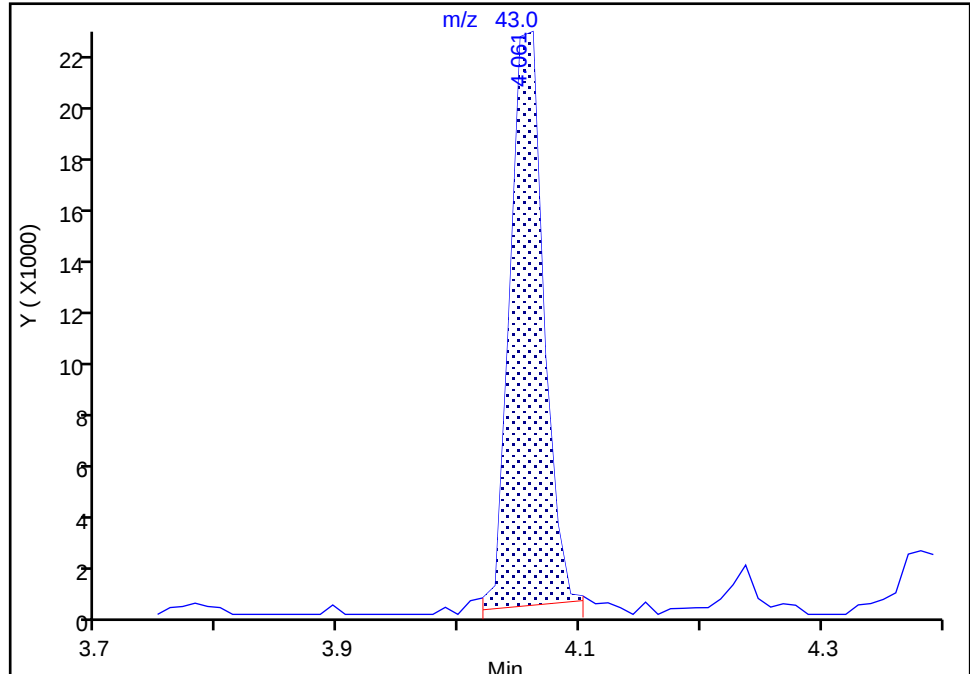
Detector: MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

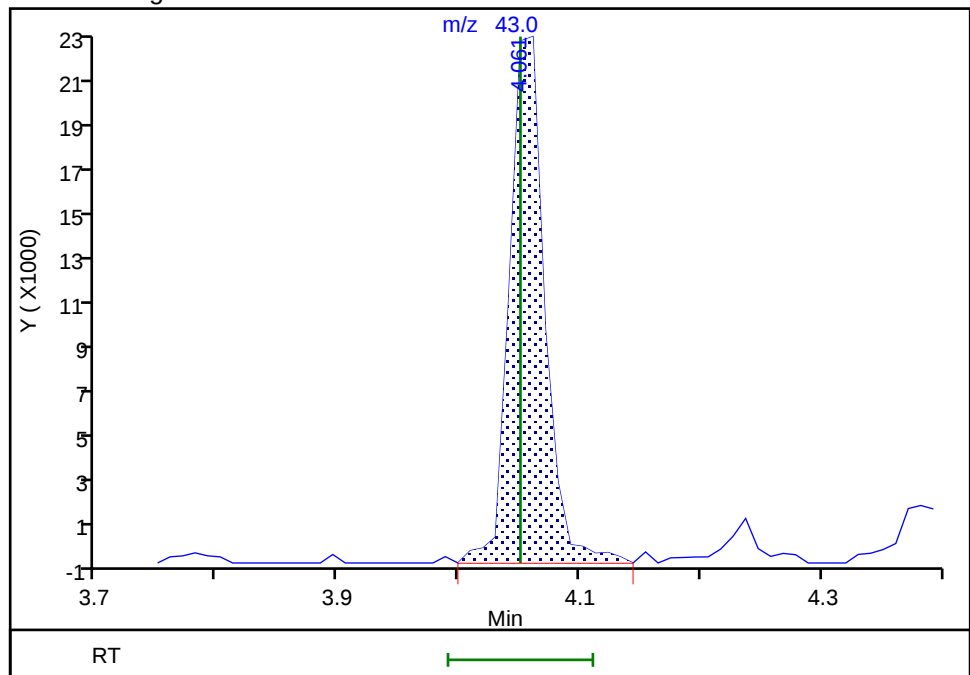
RT: 4.06
Area: 41916
Amount: 8.972038
Amount Units: ug/L

Processing Integration Results



RT: 4.06
Area: 44961
Amount: 9.546040
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:52:26

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0006.D

Injection Date: 25-Jun-2018 17:04:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

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)

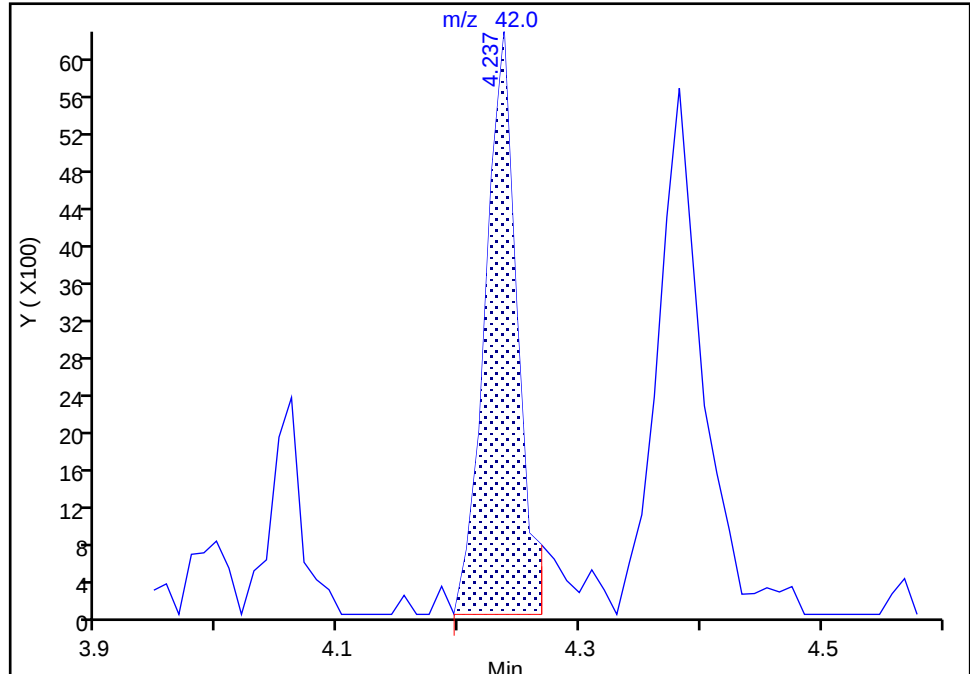
Detector: MS SCAN

48 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

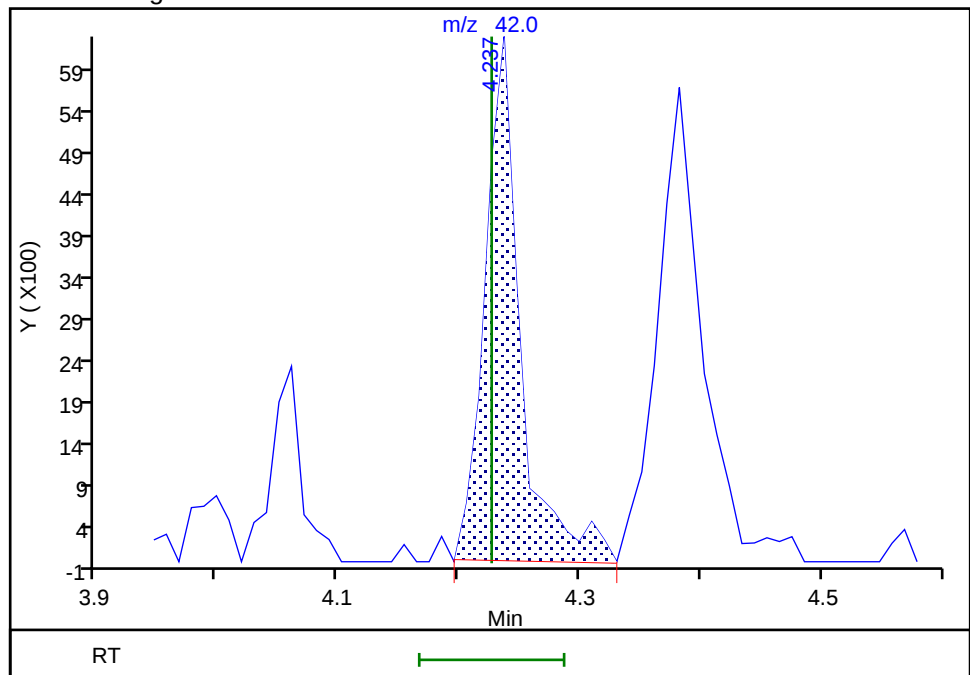
RT: 4.24
Area: 11577
Amount: 3.818437
Amount Units: ug/L

Processing Integration Results



RT: 4.24
Area: 12745
Amount: 4.119046
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:55:13

Audit Action: Assigned New Baseline

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0006.D

Injection Date: 25-Jun-2018 17:04:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

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)

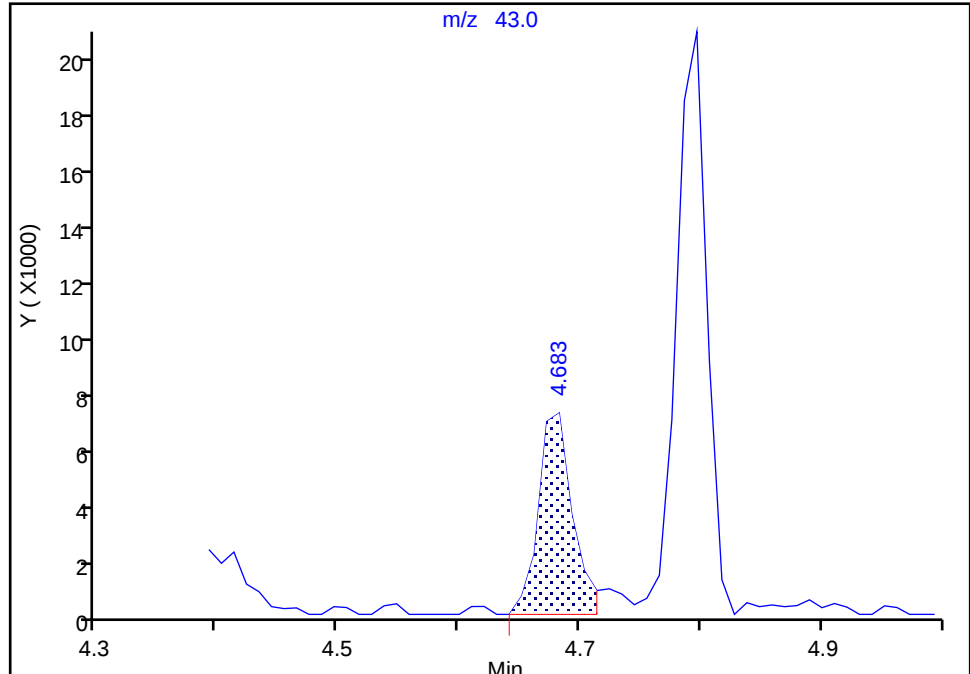
Detector: MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

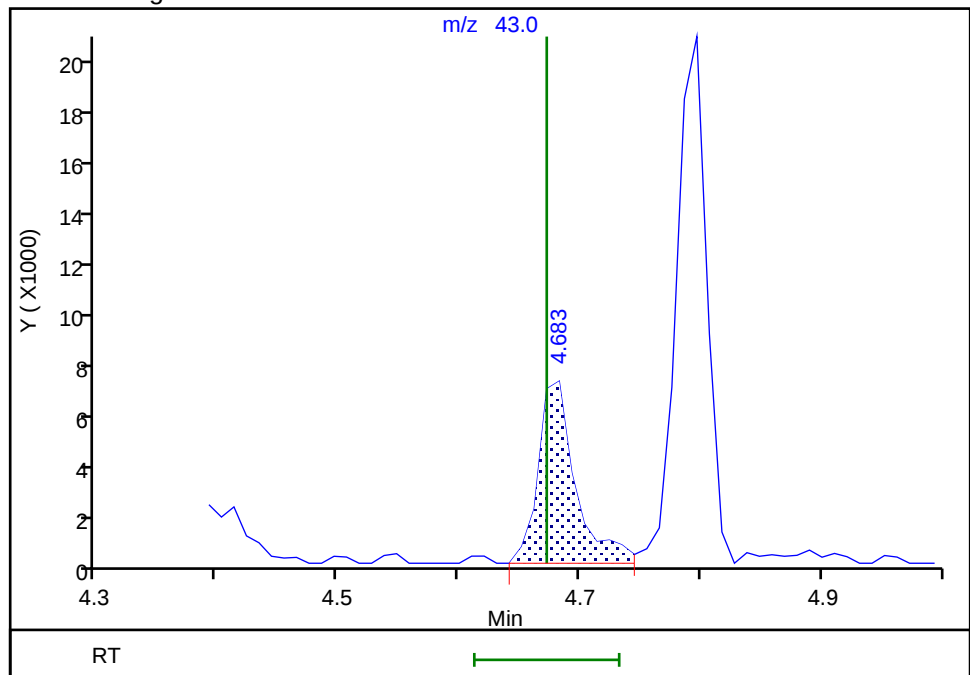
RT: 4.68
Area: 13891
Amount: 39.465559
Amount Units: ug/L

Processing Integration Results



RT: 4.68
Area: 15095
Amount: 40.768853
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:56:56

Audit Action: Assigned New Baseline

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0006.D

Injection Date: 25-Jun-2018 17:04:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

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

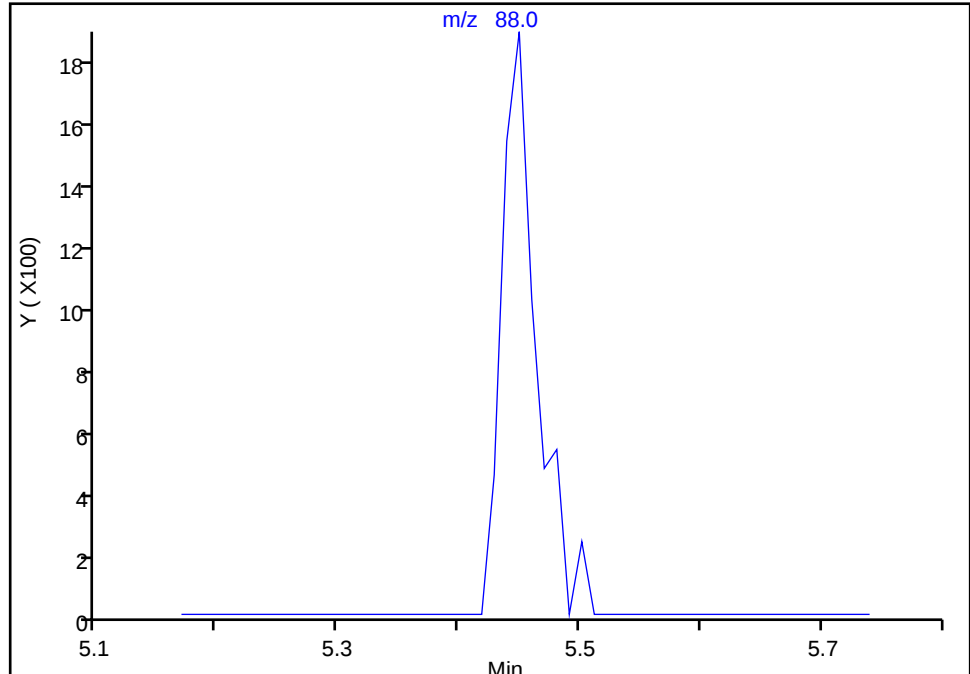
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

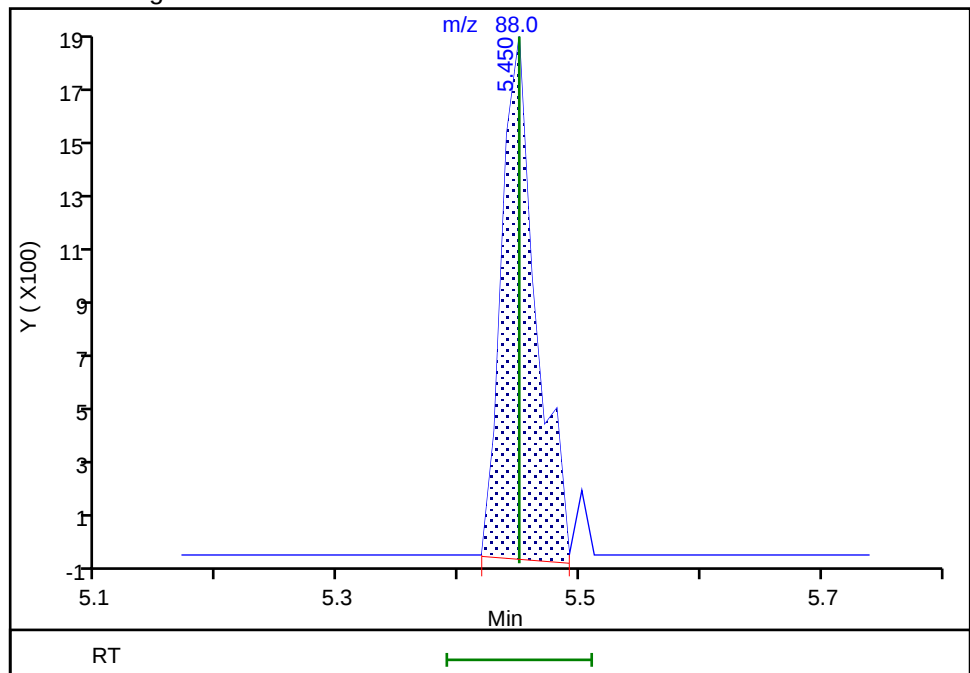
Not Detected

Expected RT: 5.45

Processing Integration Results



Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 10:57:46

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0007.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 25-Jun-2018 17:27:30 ALS Bottle#: 6 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0072610-010
 Operator ID: LH/ZV Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 26-Jun-2018 16:42:47 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK041

First Level Reviewer: velickovics

Date: 26-Jun-2018 11:06:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	98	190897	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.180	-0.010	89	774782	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	95	440293	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	92	225908	25.0	23.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	288943	25.0	24.5	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.051	0.000	94	841639	25.0	25.2	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.113	0.000	0	253333	25.0	24.7	
11 Dichlorodifluoromethane	85	1.242	1.242	0.000	96	49788	5.00	5.04	
13 Chloromethane	50	1.408	1.398	0.010	99	79276	5.00	4.72	
14 Vinyl chloride	62	1.501	1.481	0.020	78	74485	5.00	5.58	
151 Butadiene	54	1.501	1.501	0.000	93	68842	5.00	4.79	
15 Bromomethane	94	1.781	1.781	0.000	94	46211	5.00	4.96	M
16 Chloroethane	64	1.843	1.843	0.000	96	42952	5.00	5.20	
17 Trichlorofluoromethane	101	2.061	2.071	-0.010	64	86180	5.00	5.17	
18 Dichlorofluoromethane	67	2.082	2.071	0.011	94	93755	5.00	4.84	
19 Ethyl ether	59	2.320	2.310	0.010	98	47805	5.00	4.66	
21 Acrolein	56	2.507	2.486	0.021	98	36105	25.0	23.4	M
22 1,1-Dichloroethene	96	2.527	2.517	0.010	94	42400	5.00	4.60	
20 1,1,2-Trichloro-1,2,2-trif	101	2.527	2.527	0.000	59	53589	5.00	5.16	
23 Acetone	43	2.641	2.641	0.000	20	83709	25.0	24.3	M
24 Iodomethane	142	2.672	2.672	0.000	98	91810	5.00	5.02	
25 Carbon disulfide	76	2.704	2.703	0.001	98	139604	5.00	4.90	
27 3-Chloro-1-propene	41	2.869	2.859	0.010	85	91634	5.00	4.79	
28 Methyl acetate	43	2.911	2.900	0.011	98	78457	10.0	8.88	
30 Methylene Chloride	84	3.004	2.994	0.010	94	65445	5.00	5.02	
31 2-Methyl-2-propanol	59	3.160	3.159	0.001	40	46874	50.0	48.0	M
33 Methyl tert-butyl ether	73	3.191	3.180	0.011	98	138875	5.00	4.88	
32 trans-1,2-Dichloroethene	96	3.201	3.191	0.010	94	54096	5.00	5.26	
34 Acrylonitrile	53	3.253	3.253	0.000	97	195599	50.0	47.1	
35 Hexane	57	3.356	3.356	0.000	94	91784	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	3.564	3.553	0.011	97	100690	5.00	4.96	
39 Vinyl acetate	43	3.605	3.595	0.010	98	194885	10.0	9.66	
42 2,2-Dichloropropane	77	3.999	3.999	0.000	87	70999	5.00	5.03	
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	87	60519	5.00	4.86	
44 2-Butanone (MEK)	43	4.061	4.051	0.010	98	111246	25.0	23.2	
48 Tetrahydrofuran	42	4.237	4.227	0.010	92	31405	10.0	9.97	M
47 Chlorobromomethane	128	4.227	4.227	0.000	92	29315	5.00	4.72	
50 Chloroform	83	4.289	4.289	0.000	96	91390	5.00	4.74	
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	91	76846	5.00	4.84	
52 Cyclohexane	56	4.382	4.382	0.000	97	110680	5.00	5.24	
53 Carbon tetrachloride	117	4.486	4.486	0.000	76	64804	5.00	4.77	
54 1,1-Dichloropropene	75	4.496	4.496	0.000	90	70412	5.00	5.03	
55 Benzene	78	4.662	4.662	0.000	81	183191	5.00	4.74	
56 Isobutyl alcohol	43	4.673	4.672	0.001	93	42416	125.0	112.5	
57 1,2-Dichloroethane	62	4.724	4.724	0.000	97	87028	5.00	4.77	
59 n-Heptane	43	4.797	4.797	0.000	95	94492	5.00	5.00	
60 Trichloroethene	95	5.149	5.149	0.000	95	54664	5.00	5.05	
62 Methylcyclohexane	83	5.243	5.242	0.001	97	89205	5.00	4.98	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	88	56071	5.00	5.06	
65 Dibromomethane	93	5.450	5.450	0.000	96	33113	5.00	4.92	
66 1,4-Dioxane	88	5.450	5.450	0.000	37	8365	100.0	90.9	Ma
67 Dichlorobromomethane	83	5.564	5.564	0.000	97	60079	5.00	4.65	
69 2-Chloroethyl vinyl ether	63	5.771	5.771	0.000	93	31072	5.00	4.64	
71 cis-1,3-Dichloropropene	75	5.885	5.885	0.000	89	68269	5.00	4.69	
72 4-Methyl-2-pentanone (MIBK)	43	5.989	5.989	0.000	98	233813	25.0	24.2	
73 Toluene	92	6.103	6.103	0.000	98	134232	5.00	5.12	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	97	60572	5.00	4.77	
77 Ethyl methacrylate	69	6.331	6.331	0.000	92	46331	5.00	4.68	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	95	36401	5.00	5.03	
79 Tetrachloroethene	166	6.507	6.507	0.000	92	56178	5.00	4.78	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	94	74529	5.00	5.10	
81 2-Hexanone	43	6.621	6.621	0.000	99	164773	25.0	24.8	
82 Chlorodibromomethane	129	6.766	6.766	0.000	88	42709	5.00	4.95	
83 Ethylene Dibromide	107	6.849	6.849	0.000	97	40186	5.00	4.65	
86 Chlorobenzene	112	7.201	7.201	0.000	95	151140	5.00	4.99	
88 Ethylbenzene	91	7.253	7.253	0.000	98	241717	5.00	4.94	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.274	-0.011	90	45389	5.00	4.51	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	94880	5.00	4.93	
91 o-Xylene	106	7.667	7.667	0.000	97	94748	5.00	5.10	
92 Styrene	104	7.688	7.688	0.000	95	159729	5.00	5.16	
93 Bromoform	173	7.885	7.885	0.000	95	21388	5.00	4.82	
95 Isopropylbenzene	105	7.947	7.947	0.000	97	241986	5.00	4.92	
97 Bromobenzene	156	8.227	8.227	0.000	90	68362	5.00	5.12	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	94	47474	5.00	4.67	
99 N-Propylbenzene	91	8.279	8.279	0.000	98	283258	5.00	4.99	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	93	16199	5.00	4.67	
101 trans-1,4-Dichloro-2-buten	53	8.300	8.300	0.000	74	20220	5.00	4.86	
105 2-Chlorotoluene	126	8.372	8.372	0.000	96	63650	5.00	5.11	
104 1,3,5-Trimethylbenzene	105	8.414	8.414	0.000	94	206941	5.00	5.02	
102 4-Chlorotoluene	91	8.455	8.455	0.000	97	184868	5.00	5.02	
106 tert-Butylbenzene	134	8.683	8.683	0.000	94	48835	5.00	5.00	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	97	219466	5.00	5.13	

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	8.859	8.859	0.000	94	276475	5.00	5.29	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	233265	5.00	5.20	
110 1,3-Dichlorobenzene	146	8.984	8.983	0.001	98	136496	5.00	5.12	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	95	134365	5.00	4.83	
115 n-Butylbenzene	91	9.315	9.315	0.000	98	208248	5.00	5.04	
116 1,2-Dichlorobenzene	146	9.377	9.377	0.000	98	129224	5.00	5.06	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.041	0.000	78	6391	5.00	4.63	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	94	88002	5.00	4.92	
120 Hexachlorobutadiene	225	10.797	10.797	0.000	92	38778	5.00	4.89	
121 Naphthalene	128	10.901	10.901	0.000	96	185726	5.00	4.84	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	96	82907	5.00	4.85	
S 125 Total BTEX	1				0			24.8	
S 126 Xylenes, Total	1				0			10.0	
S 123 1,3-Dichloropropene, Total	1				0			9.46	
S 124 1,2-Dichloroethene, Total	1				0			10.1	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00128

Amount Added: 5.00

Units: uL

GAS CORP mix_00288

Amount Added: 5.00

Units: uL

T_8260_IS_00195

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00173

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180625-72610.b\\T0007.D

Injection Date: 25-Jun-2018 17:27:30

Instrument ID: HP5975T

Lims ID: IC 3

Operator ID: LH/ZV

Client ID:

Worklist Smp#: 10

Purge Vol: 5.000 mL

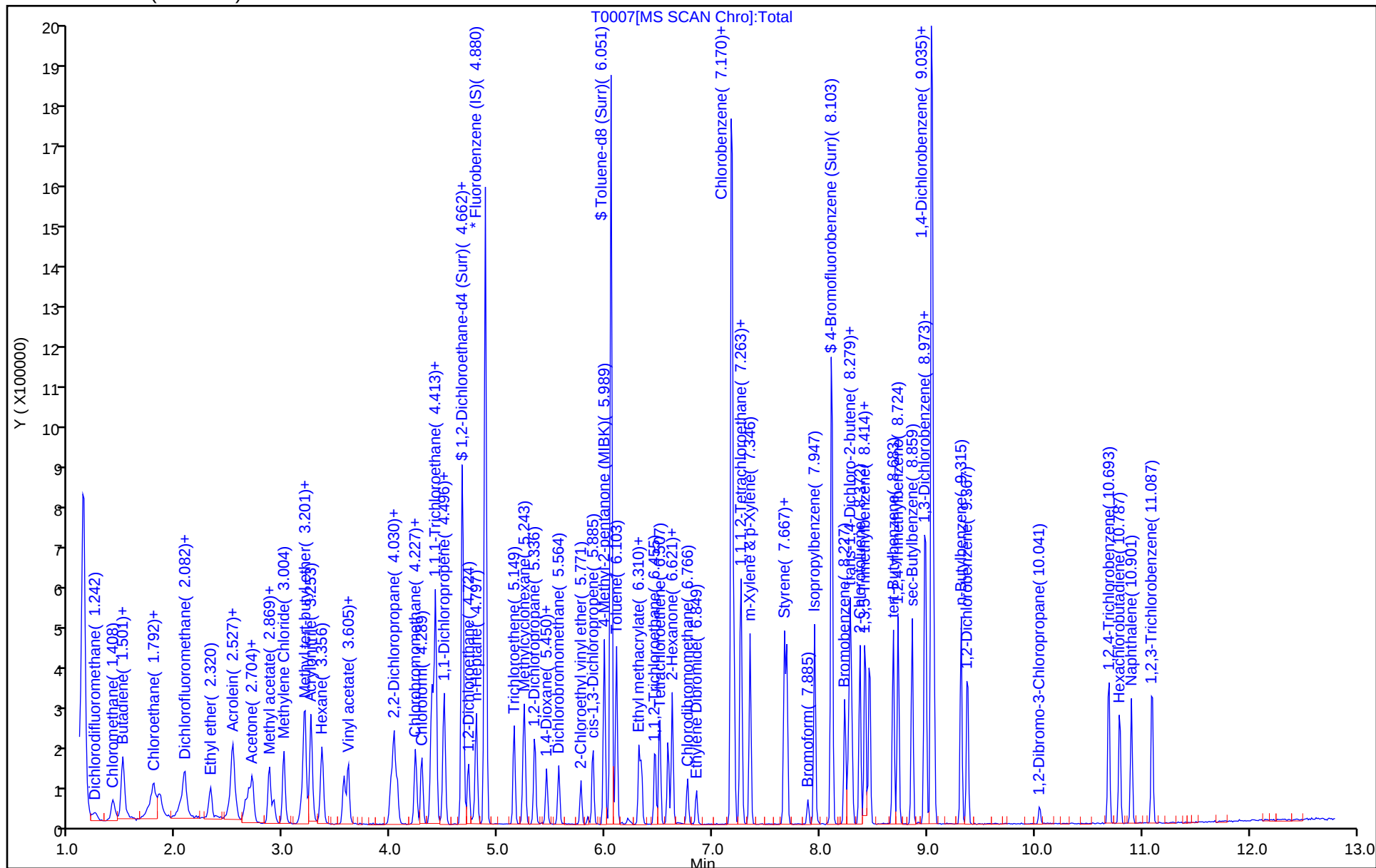
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

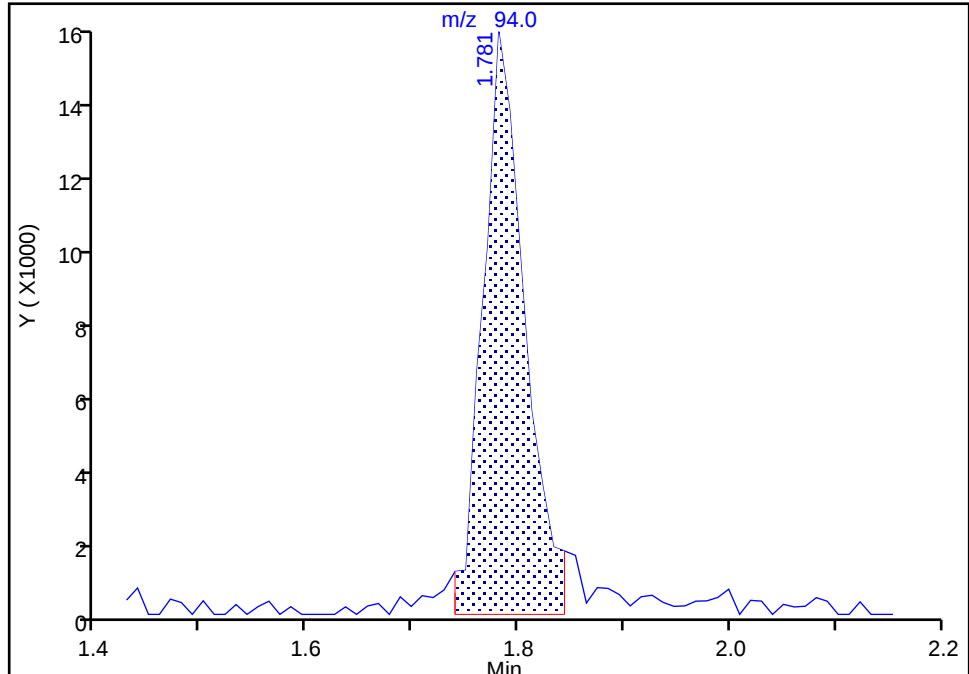
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0007.D
Injection Date: 25-Jun-2018 17:27:30 Instrument ID: HP5975T
Lims ID: IC 3
Client ID:
Operator ID: LH/ZV ALS Bottle#: 6 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

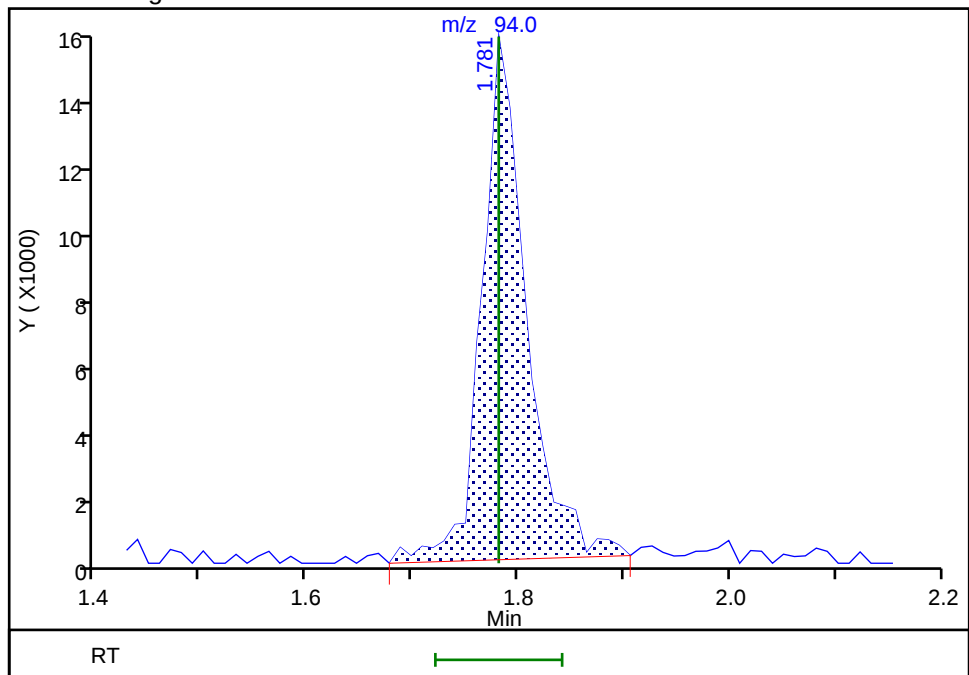
RT: 1.78
Area: 43869
Amount: 4.449912
Amount Units: ug/L

Processing Integration Results



RT: 1.78
Area: 46211
Amount: 4.960910
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 12:59:58

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0007.D

Injection Date: 25-Jun-2018 17:27:30

Instrument ID: HP5975T

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

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

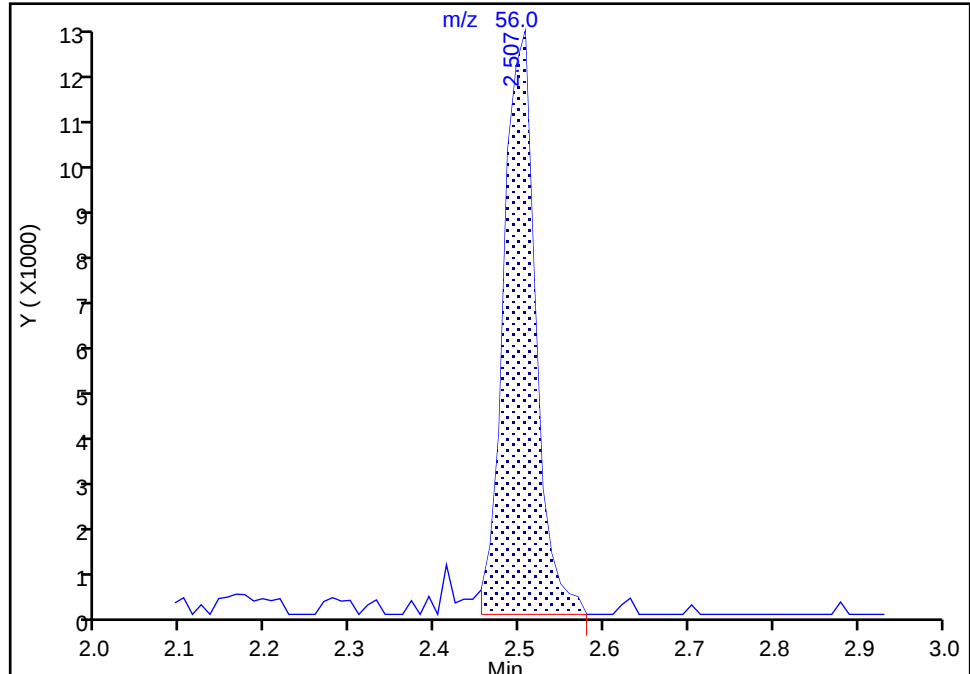
MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

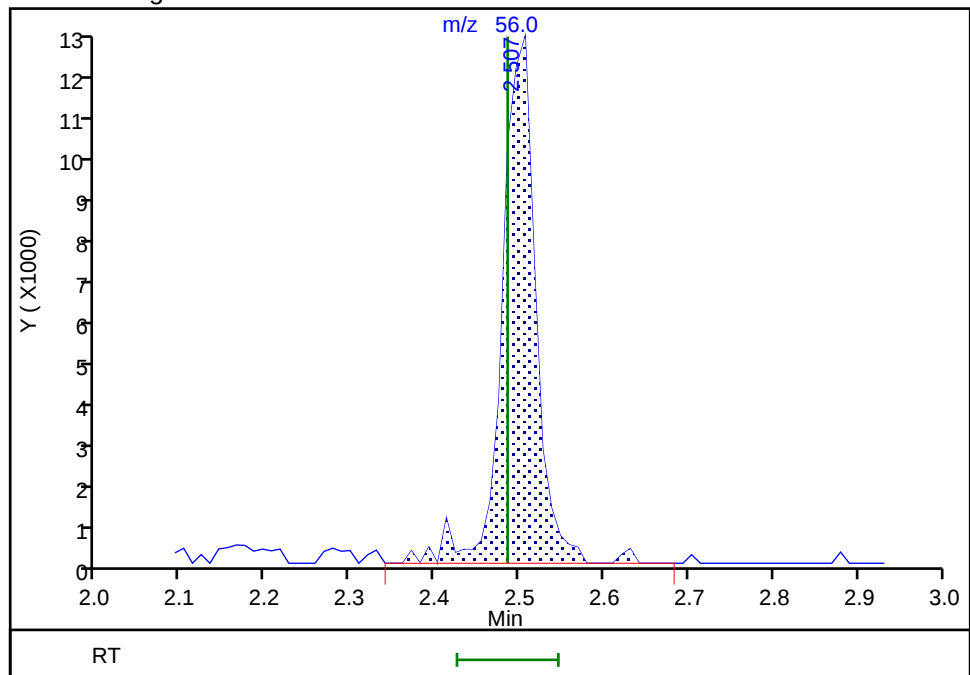
RT: 2.51
Area: 34055
Amount: 22.240788
Amount Units: ug/L

Processing Integration Results



RT: 2.51
Area: 36105
Amount: 23.422816
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 13:00:39

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0007.D

Injection Date: 25-Jun-2018 17:27:30

Instrument ID: HP5975T

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

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)

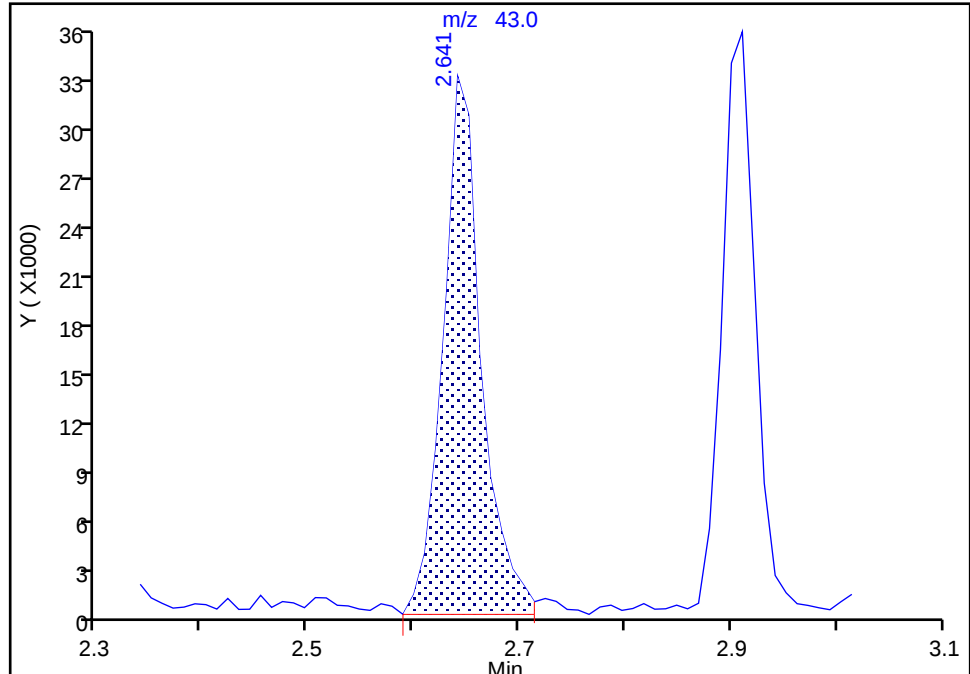
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

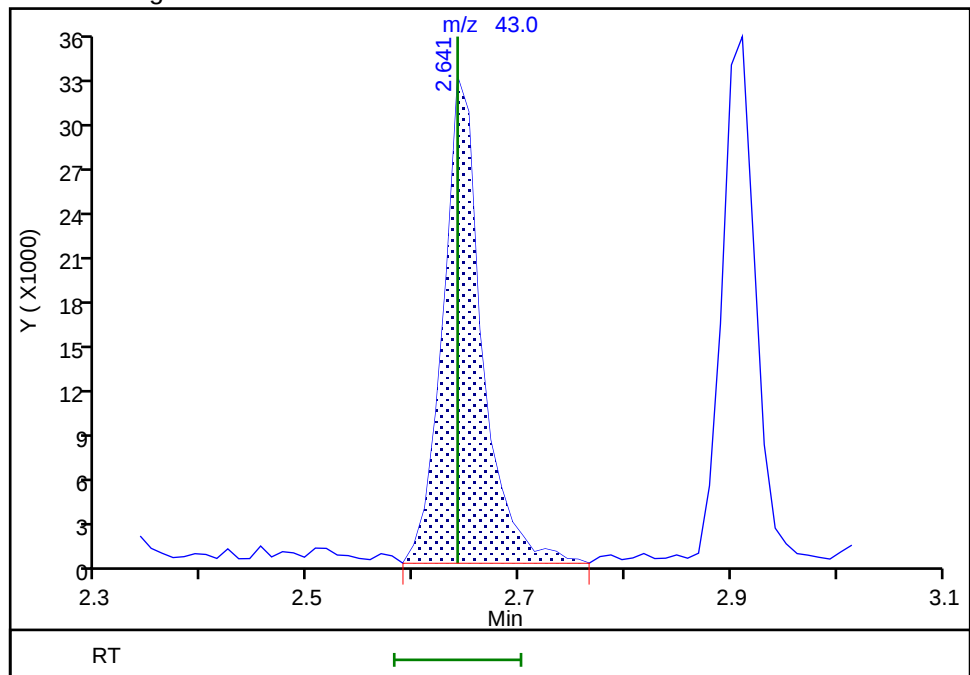
RT: 2.64
Area: 82269
Amount: 23.285989
Amount Units: ug/L

Processing Integration Results



RT: 2.64
Area: 83709
Amount: 24.300351
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 13:01:01

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0007.D

Injection Date: 25-Jun-2018 17:27:30

Instrument ID: HP5975T

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

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)

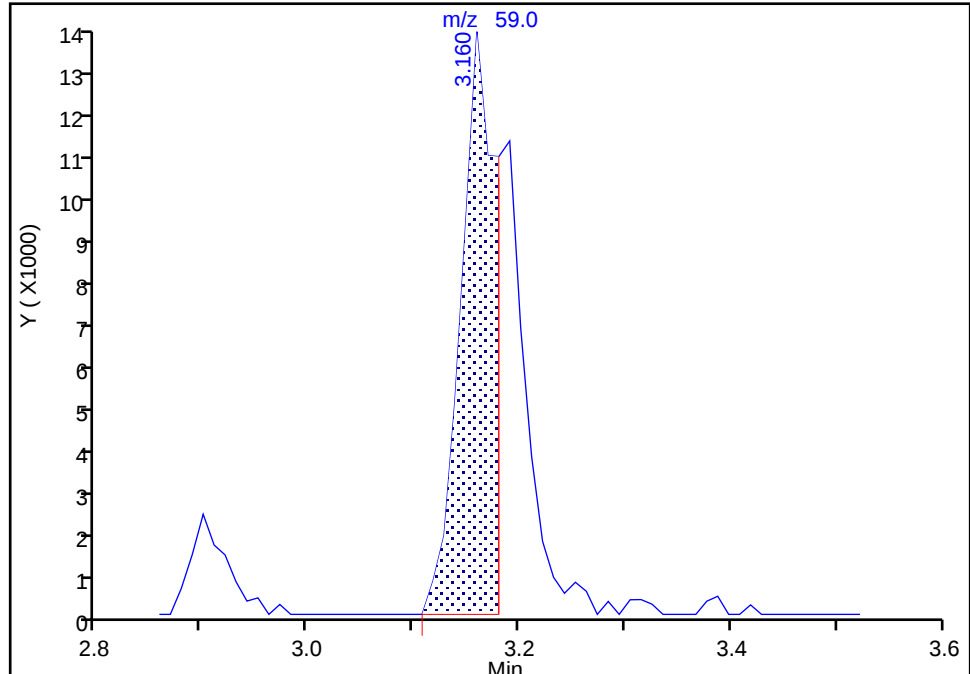
Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

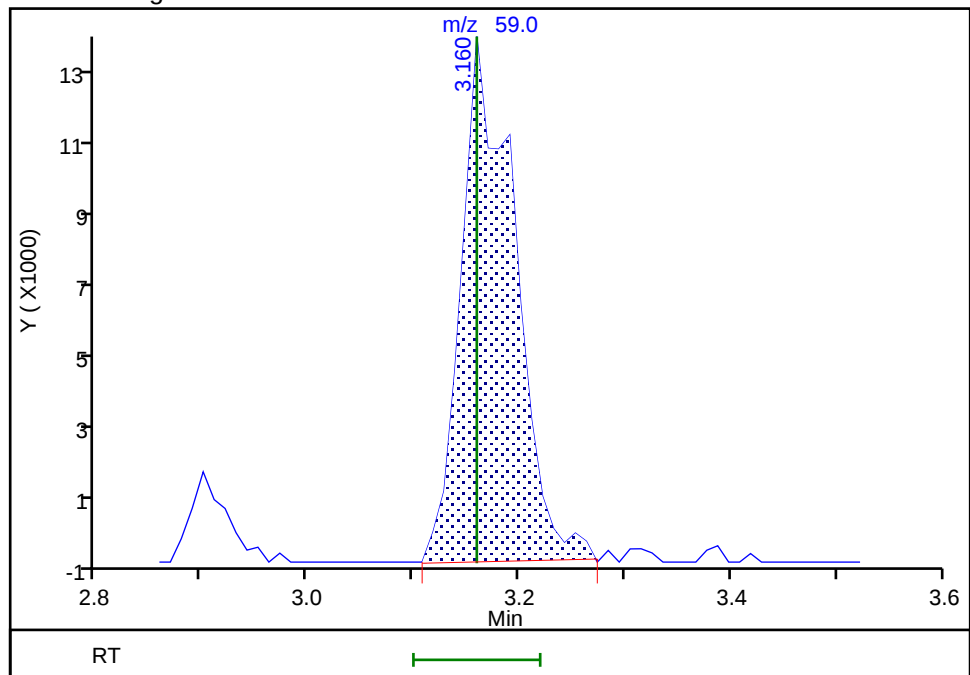
RT: 3.16
Area: 31479
Amount: 33.531973
Amount Units: ug/L

Processing Integration Results



RT: 3.16
Area: 46874
Amount: 47.964563
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Jun-2018 15:26:56

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0007.D

Injection Date: 25-Jun-2018 17:27:30

Instrument ID: HP5975T

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

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

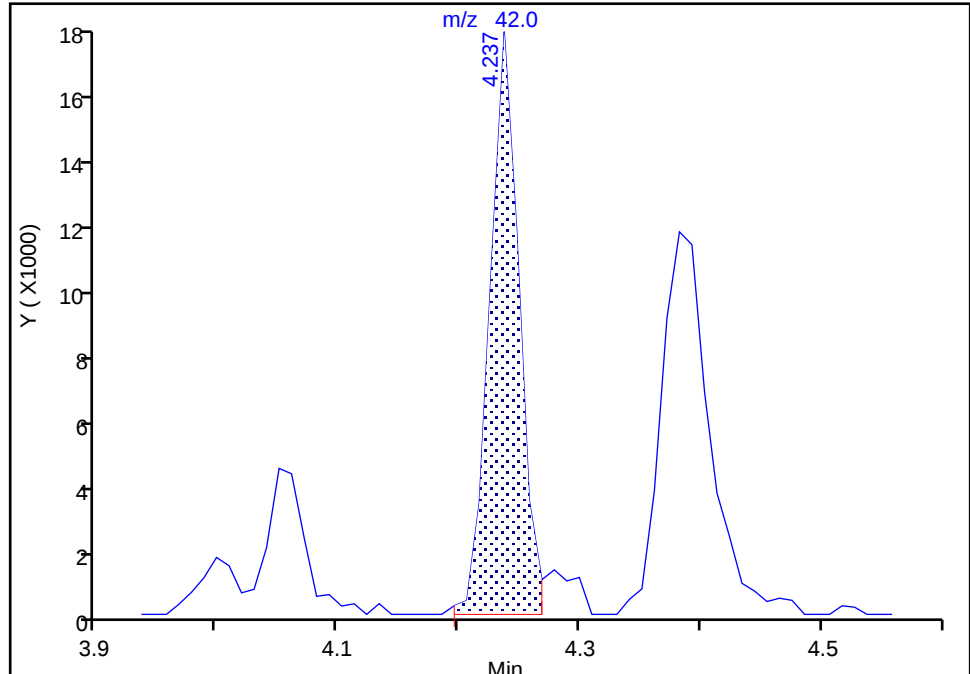
MS SCAN

48 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

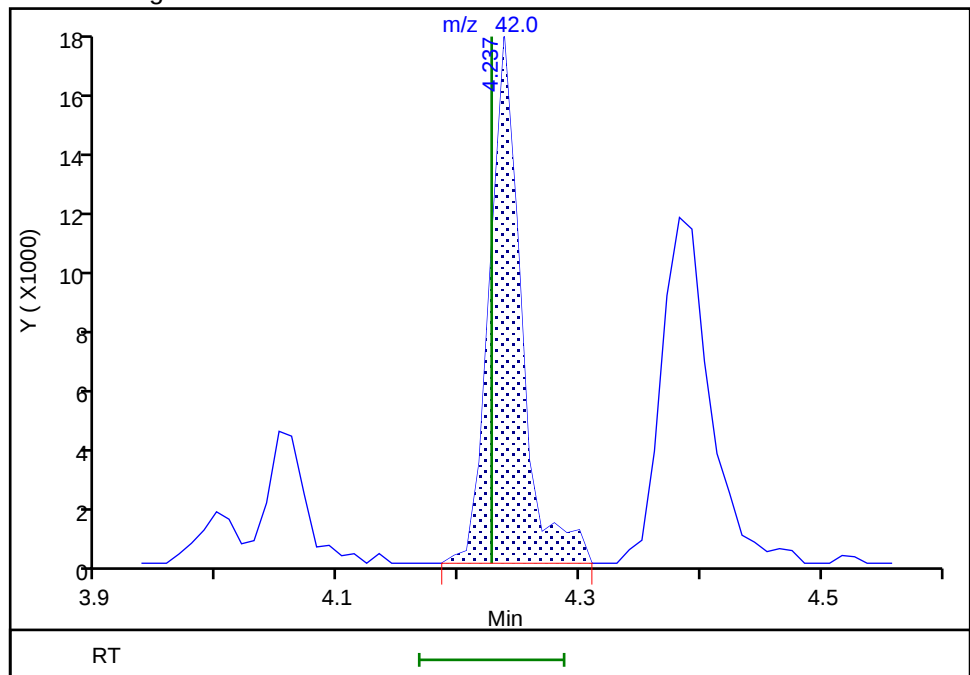
RT: 4.24
Area: 29304
Amount: 9.380154
Amount Units: ug/L

Processing Integration Results



RT: 4.24
Area: 31405
Amount: 9.968876
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 13:01:37

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

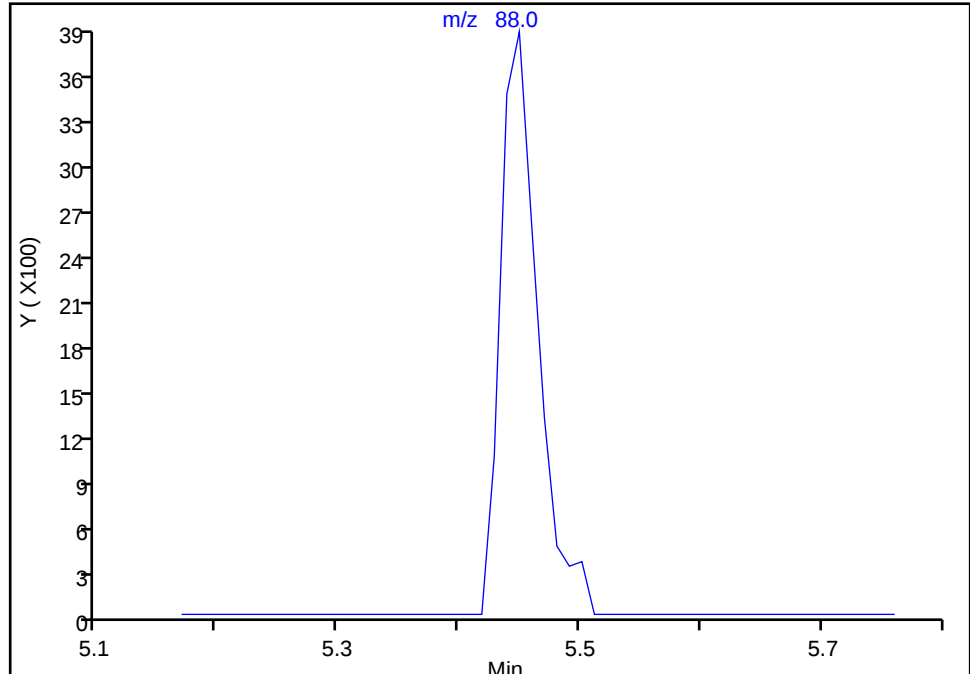
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0007.D
Injection Date: 25-Jun-2018 17:27:30 Instrument ID: HP5975T
Lims ID: IC 3
Client ID:
Operator ID: LH/ZV ALS Bottle#: 6 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

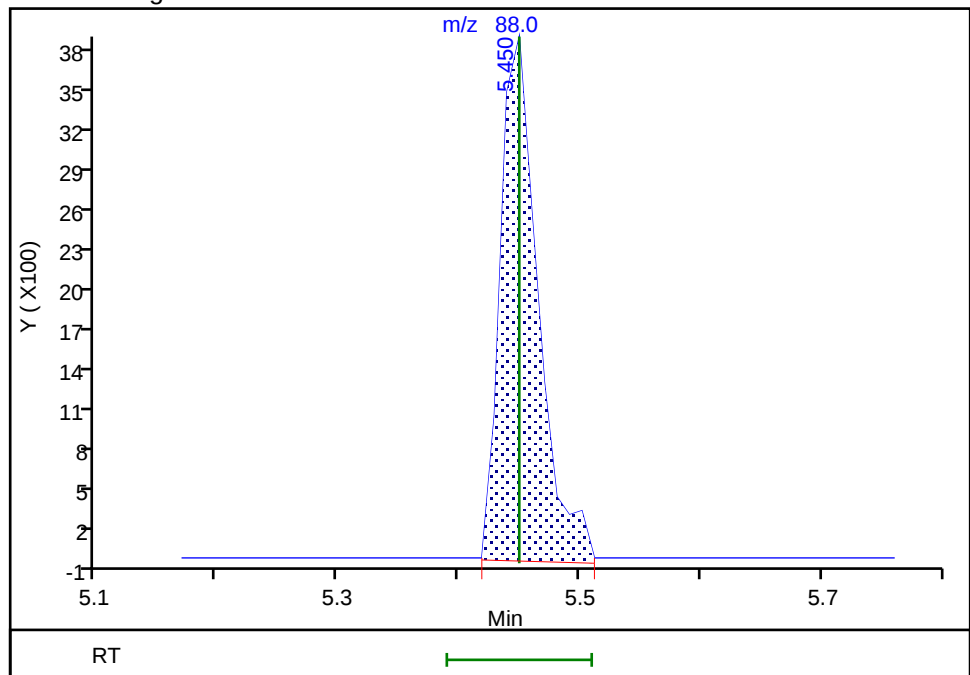
Not Detected
Expected RT: 5.45

Processing Integration Results



RT: 5.45
Area: 8365
Amount: 90.860717
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 10:59:44
Audit Action: Manually Integrated

Audit Reason: Missed Peak
Page 391 of 503

07/11/2018

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0008.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 25-Jun-2018 17:51:30 ALS Bottle#: 7 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0072610-011
 Operator ID: LH/ZV Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 26-Jun-2018 16:42:52 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK041

First Level Reviewer: velickovics

Date: 26-Jun-2018 11:07:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	98	193175	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.180	-0.010	89	791682	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.046	9.035	0.011	96	438814	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	93	236971	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	277981	25.0	23.3	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.051	0.000	94	823372	25.0	24.1	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.113	0.000	0	264123	25.0	25.2	
11 Dichlorodifluoromethane	85	1.242	1.242	0.000	97	94760	10.0	9.48	
13 Chloromethane	50	1.408	1.398	0.010	99	155787	10.0	9.17	
14 Vinyl chloride	62	1.491	1.481	0.010	67	131299	10.0	9.72	
151 Butadiene	54	1.501	1.501	0.000	93	129460	10.0	8.90	
15 Bromomethane	94	1.781	1.781	0.000	93	91823	10.0	9.74	
16 Chloroethane	64	1.843	1.843	0.000	96	78462	10.0	9.39	
17 Trichlorofluoromethane	101	2.071	2.071	0.000	92	157172	10.0	9.32	M
18 Dichlorofluoromethane	67	2.071	2.071	0.000	95	185771	10.0	9.48	
19 Ethyl ether	59	2.310	2.310	0.000	98	93419	10.0	9.00	
21 Acrolein	56	2.496	2.486	0.010	99	72729	50.0	46.6	
22 1,1-Dichloroethene	96	2.517	2.517	0.000	93	92437	10.0	9.91	
20 1,1,2-Trichloro-1,2,2-trif	101	2.527	2.527	0.000	54	98107	10.0	9.34	
23 Acetone	43	2.641	2.641	0.000	98	170636	50.0	49.0	
24 Iodomethane	142	2.672	2.672	0.000	98	182855	10.0	9.87	
25 Carbon disulfide	76	2.703	2.703	0.000	99	283305	10.0	9.83	
27 3-Chloro-1-propene	41	2.859	2.859	0.000	84	185494	10.0	9.58	
28 Methyl acetate	43	2.900	2.900	0.000	99	172516	20.0	19.3	
30 Methylene Chloride	84	2.994	2.994	0.000	94	119476	10.0	9.58	
31 2-Methyl-2-propanol	59	3.159	3.159	0.000	96	93619	100.0	94.7	
33 Methyl tert-butyl ether	73	3.190	3.180	0.010	97	286332	10.0	9.93	
32 trans-1,2-Dichloroethene	96	3.190	3.191	-0.001	94	103967	10.0	10.0	
34 Acrylonitrile	53	3.253	3.253	0.000	98	410585	100.0	97.8	
35 Hexane	57	3.356	3.356	0.000	93	181694	10.0	9.52	

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	3.564	3.553	0.011	97	203386	10.0	9.90	
39 Vinyl acetate	43	3.595	3.595	0.000	98	370070	20.0	18.1	
42 2,2-Dichloropropane	77	4.009	3.999	0.010	88	145964	10.0	10.2	
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	87	119262	10.0	9.46	
44 2-Butanone (MEK)	43	4.051	4.051	0.000	98	238013	50.0	49.0	
48 Tetrahydrofuran	42	4.237	4.227	0.010	89	61135	20.0	19.2	
47 Chlorobromomethane	128	4.227	4.227	0.000	94	62251	10.0	9.90	
50 Chloroform	83	4.289	4.289	0.000	97	186972	10.0	9.58	
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	88	160795	10.0	10.0	
52 Cyclohexane	56	4.382	4.382	0.000	95	215431	10.0	10.1	
53 Carbon tetrachloride	117	4.486	4.486	0.000	96	133778	10.0	9.73	
54 1,1-Dichloropropene	75	4.496	4.496	0.000	90	137994	10.0	9.75	
55 Benzene	78	4.662	4.662	0.000	91	400624	10.0	10.3	
56 Isobutyl alcohol	43	4.672	4.672	0.000	92	89709	250.0	235.2	
57 1,2-Dichloroethane	62	4.724	4.724	0.000	97	178563	10.0	9.67	
59 n-Heptane	43	4.797	4.797	0.000	96	187986	10.0	9.83	
60 Trichloroethene	95	5.149	5.149	0.000	93	112836	10.0	10.3	
62 Methylcyclohexane	83	5.242	5.242	0.000	97	177076	10.0	9.77	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	89	112685	10.0	10.0	
65 Dibromomethane	93	5.450	5.450	0.000	94	67702	10.0	9.93	
66 1,4-Dioxane	88	5.450	5.450	0.000	40	18655	200.0	198.3	a
67 Dichlorobromomethane	83	5.564	5.564	0.000	95	121065	10.0	9.27	
69 2-Chloroethyl vinyl ether	63	5.771	5.771	0.000	93	66074	10.0	9.76	
71 cis-1,3-Dichloropropene	75	5.885	5.885	0.000	87	140799	10.0	9.55	
72 4-Methyl-2-pentanone (MIBK)	43	5.988	5.989	-0.001	99	506936	50.0	51.4	
73 Toluene	92	6.102	6.103	-0.001	97	265814	10.0	9.92	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	94	125562	10.0	9.68	
77 Ethyl methacrylate	69	6.330	6.331	-0.001	97	98225	10.0	9.70	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	92	73379	10.0	9.92	
79 Tetrachloroethene	166	6.507	6.507	0.000	94	117779	10.0	9.81	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	94	151438	10.0	10.1	
81 2-Hexanone	43	6.621	6.621	0.000	99	341958	50.0	50.4	
82 Chlorodibromomethane	129	6.766	6.766	0.000	90	87278	10.0	9.90	
83 Ethylene Dibromide	107	6.849	6.849	0.000	96	90424	10.0	10.2	
86 Chlorobenzene	112	7.201	7.201	0.000	95	322801	10.0	10.4	
88 Ethylbenzene	91	7.253	7.253	0.000	99	507913	10.0	10.2	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.274	-0.011	91	102279	10.0	9.95	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	203302	10.0	10.3	
91 o-Xylene	106	7.667	7.667	0.000	98	191105	10.0	10.1	
92 Styrene	104	7.688	7.688	0.000	95	324006	10.0	10.2	
93 Bromoform	173	7.885	7.885	0.000	94	45280	10.0	9.98	
95 Isopropylbenzene	105	7.947	7.947	0.000	96	503107	10.0	10.3	
97 Bromobenzene	156	8.227	8.227	0.000	92	137575	10.0	10.3	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	95	107043	10.0	10.6	
99 N-Propylbenzene	91	8.279	8.279	0.000	99	587694	10.0	10.4	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	92	35728	10.0	10.3	
101 trans-1,4-Dichloro-2-buten	53	8.299	8.300	-0.001	75	38353	10.0	9.26	
105 2-Chlorotoluene	126	8.372	8.372	0.000	97	133030	10.0	10.7	
104 1,3,5-Trimethylbenzene	105	8.413	8.414	-0.001	95	432938	10.0	10.5	
102 4-Chlorotoluene	91	8.455	8.455	0.000	97	375825	10.0	10.2	
106 tert-Butylbenzene	134	8.683	8.683	0.000	94	100194	10.0	10.3	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	97	450958	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.859	8.859	0.000	94	545164	10.0	10.5	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	486470	10.0	10.9	
110 1,3-Dichlorobenzene	146	8.983	8.983	0.000	97	266332	10.0	10.0	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	94	276927	10.0	9.98	
115 n-Butylbenzene	91	9.315	9.315	0.000	98	426064	10.0	10.3	
116 1,2-Dichlorobenzene	146	9.377	9.377	0.000	97	267893	10.0	10.5	
117 1,2-Dibromo-3-Chloropropan	75	10.040	10.041	-0.001	82	14483	10.0	10.5	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	94	184722	10.0	10.4	
120 Hexachlorobutadiene	225	10.787	10.797	-0.010	94	80028	10.0	10.1	
121 Naphthalene	128	10.901	10.901	0.000	97	380155	10.0	9.94	
122 1,2,3-Trichlorobenzene	180	11.097	11.098	-0.001	95	173036	10.0	10.2	
S 125 Total BTEX	1				0			50.7	
S 126 Xylenes, Total	1				0			20.4	
S 123 1,3-Dichloropropene, Total	1				0			19.2	
S 124 1,2-Dichloroethene, Total	1				0			19.4	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00128

Amount Added: 5.00

Units: uL

GAS CORP mix_00288

Amount Added: 5.00

Units: uL

T_8260_IS_00195

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00173

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180625-72610.b\\T0008.D

Injection Date: 25-Jun-2018 17:51:30

Instrument ID: HP5975T

Lims ID: IC 4

Operator ID: LH/ZV

Client ID:

Worklist Smp#: 11

Purge Vol: 5.000 mL

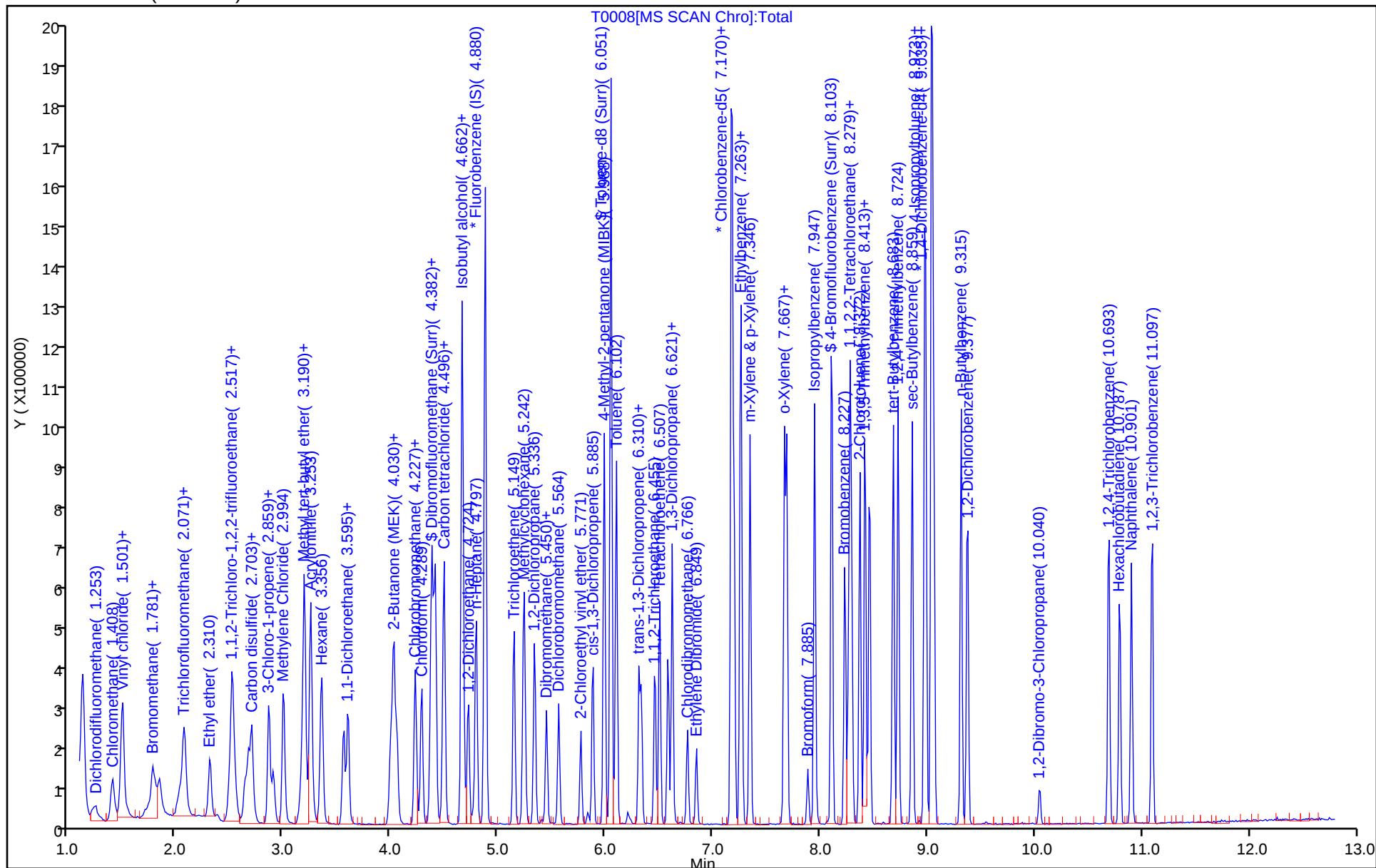
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0008.D

Injection Date: 25-Jun-2018 17:51:30

Instrument ID: HP5975T

Lims ID: IC 4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

7

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

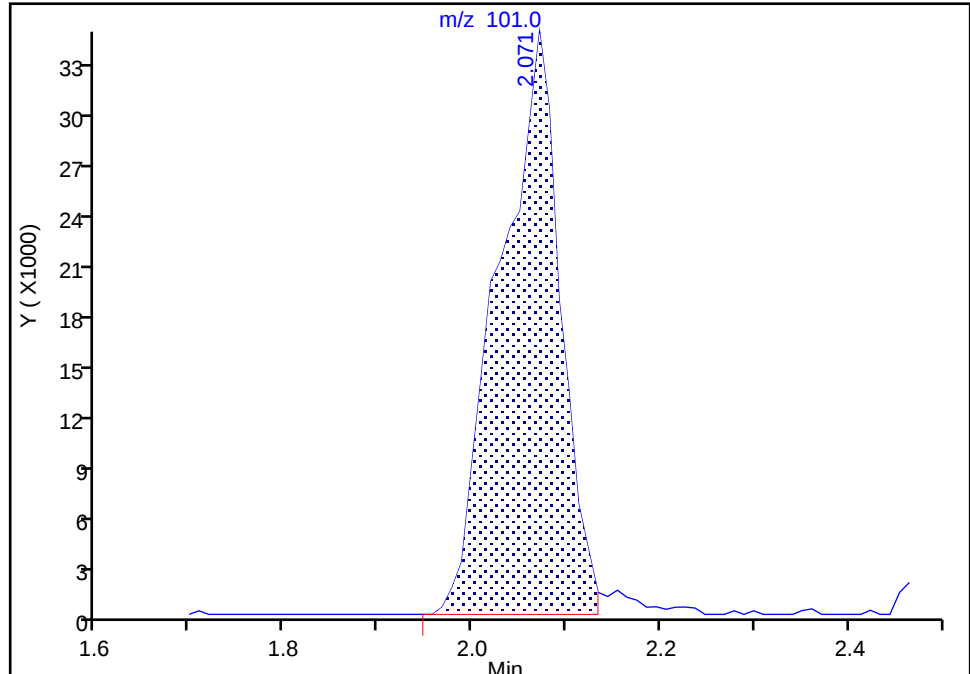
MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

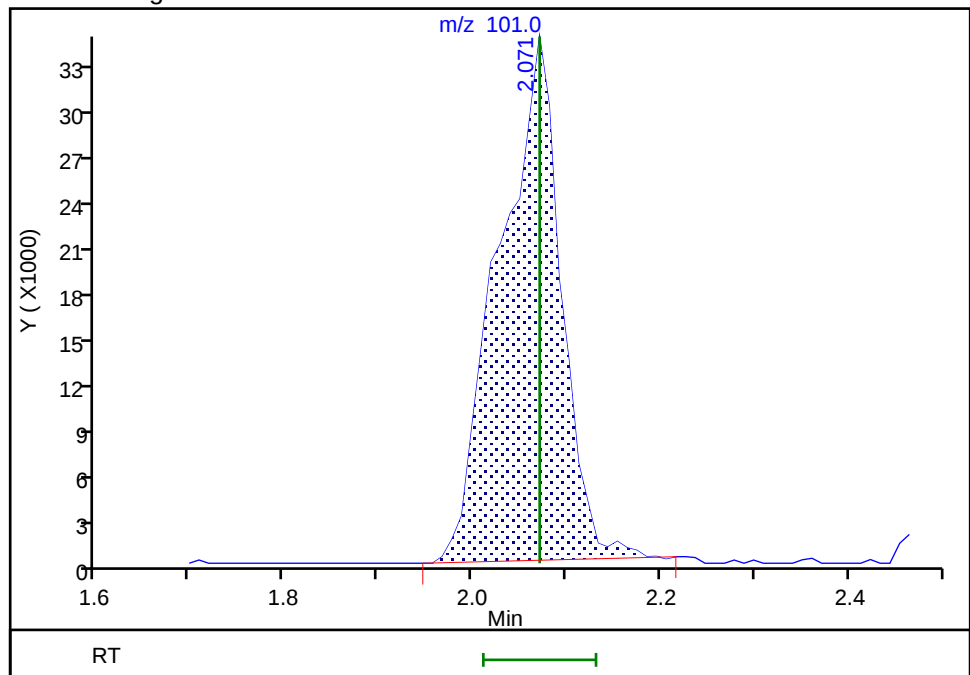
RT: 2.07
Area: 157044
Amount: 9.309619
Amount Units: ug/L

Processing Integration Results



RT: 2.07
Area: 157172
Amount: 9.316323
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 13:03:52

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

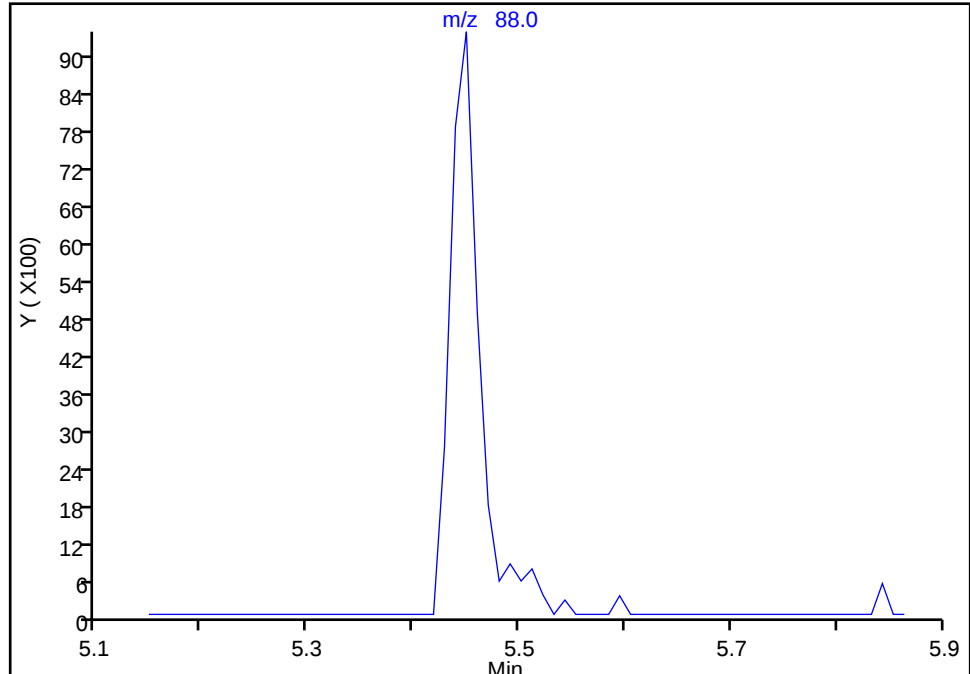
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0008.D
Injection Date: 25-Jun-2018 17:51:30 Instrument ID: HP5975T
Lims ID: IC 4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 7 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

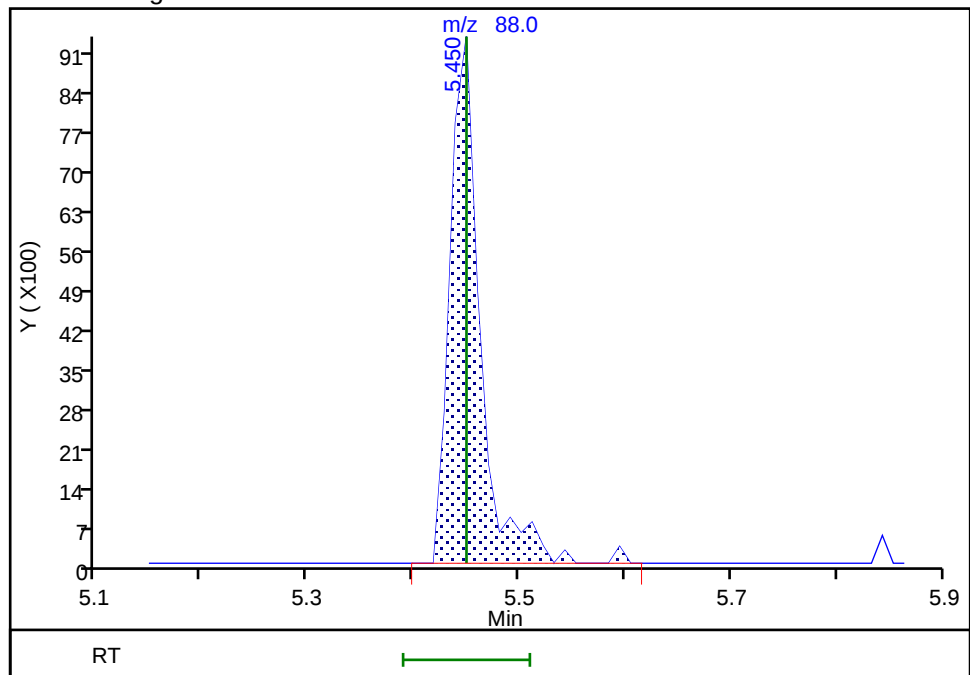
Not Detected
Expected RT: 5.45

Processing Integration Results



RT: 5.45
Area: 18655
Amount: 198.3053
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 11:07:06
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected
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07/11/2018

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0009.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 25-Jun-2018 18:15:30 ALS Bottle#: 8 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0072610-012
 Operator ID: LH/ZV Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 26-Jun-2018 16:42:58 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK041

First Level Reviewer: velickovics

Date: 26-Jun-2018 10:47:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	98	189632	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.180	7.180	0.000	88	779536	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	95	435444	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	92	239964	25.0	25.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	297103	25.0	25.4	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.051	0.000	94	834342	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.113	0.000	0	257959	25.0	25.0	
11 Dichlorodifluoromethane	85	1.242	1.242	0.000	98	250835	25.0	25.6	
13 Chloromethane	50	1.398	1.398	0.000	99	408452	25.0	24.5	
14 Vinyl chloride	62	1.481	1.481	0.000	97	323361	25.0	24.4	
151 Butadiene	54	1.501	1.501	0.000	91	355194	25.0	24.9	
15 Bromomethane	94	1.781	1.781	0.000	93	197387	25.0	21.3	
16 Chloroethane	64	1.843	1.843	0.000	96	199414	25.0	24.3	
17 Trichlorofluoromethane	101	2.071	2.071	0.000	56	427620	25.0	25.8	
18 Dichlorofluoromethane	67	2.071	2.071	0.000	95	469541	25.0	24.4	
19 Ethyl ether	59	2.310	2.310	0.000	98	241416	25.0	23.7	
21 Acrolein	56	2.486	2.486	0.000	99	187536	125.0	122.5	
22 1,1-Dichloroethene	96	2.517	2.517	0.000	94	217113	25.0	23.7	
20 1,1,2-Trichloro-1,2,2-trif	101	2.527	2.527	0.000	95	248952	25.0	24.2	
23 Acetone	43	2.641	2.641	0.000	99	410947	125.0	120.1	
24 Iodomethane	142	2.672	2.672	0.000	99	461806	25.0	25.4	
25 Carbon disulfide	76	2.703	2.703	0.000	98	697089	25.0	24.6	
27 3-Chloro-1-propene	41	2.859	2.859	0.000	85	469040	25.0	24.7	
28 Methyl acetate	43	2.900	2.900	0.000	99	407951	50.0	46.5	
30 Methylene Chloride	84	2.994	2.994	0.000	96	279035	25.0	23.7	
31 2-Methyl-2-propanol	59	3.159	3.159	0.000	97	247955	250.0	255.4	
33 Methyl tert-butyl ether	73	3.180	3.180	0.000	99	721792	25.0	25.5	
32 trans-1,2-Dichloroethene	96	3.191	3.191	0.000	93	258113	25.0	25.3	
34 Acrylonitrile	53	3.253	3.253	0.000	98	1059522	250.0	257.0	
35 Hexane	57	3.356	3.356	0.000	96	442897	25.0	23.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	502101	25.0	24.9	
39 Vinyl acetate	43	3.595	3.595	0.000	98	1070669	50.0	53.4	
42 2,2-Dichloropropane	77	3.999	3.999	0.000	88	355377	25.0	25.3	
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	86	312677	25.0	25.3	
44 2-Butanone (MEK)	43	4.051	4.051	0.000	99	586913	125.0	123.2	
48 Tetrahydrofuran	42	4.227	4.227	0.000	89	159484	50.0	51.0	
47 Chlorobromomethane	128	4.227	4.227	0.000	95	157806	25.0	25.6	
50 Chloroform	83	4.289	4.289	0.000	96	467803	25.0	24.4	
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	95	393001	25.0	24.9	
52 Cyclohexane	56	4.382	4.382	0.000	97	531471	25.0	25.3	
53 Carbon tetrachloride	117	4.486	4.486	0.000	94	339704	25.0	25.2	
54 1,1-Dichloropropene	75	4.496	4.496	0.000	90	339227	25.0	24.4	
55 Benzene	78	4.662	4.662	0.000	94	977383	25.0	25.5	
56 Isobutyl alcohol	43	4.672	4.672	0.000	92	235919	625.0	630.0	
57 1,2-Dichloroethane	62	4.724	4.724	0.000	96	428654	25.0	23.7	
59 n-Heptane	43	4.797	4.797	0.000	96	472200	25.0	25.2	
60 Trichloroethene	95	5.149	5.149	0.000	93	266815	25.0	24.8	
62 Methylcyclohexane	83	5.242	5.242	0.000	97	431576	25.0	24.3	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	89	293715	25.0	26.7	
65 Dibromomethane	93	5.450	5.450	0.000	94	175371	25.0	26.2	
66 1,4-Dioxane	88	5.450	5.450	0.000	40	47090	500.0	508.4	
67 Dichlorobromomethane	83	5.564	5.564	0.000	96	336746	25.0	26.3	
69 2-Chloroethyl vinyl ether	63	5.771	5.771	0.000	94	171690	25.0	25.8	
71 cis-1,3-Dichloropropene	75	5.885	5.885	0.000	88	385249	25.0	26.6	
72 4-Methyl-2-pentanone (MIBK)	43	5.989	5.989	0.000	99	1331779	125.0	137.2	
73 Toluene	92	6.103	6.103	0.000	97	661468	25.0	25.1	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	96	343702	25.0	26.9	
77 Ethyl methacrylate	69	6.331	6.331	0.000	96	266895	25.0	26.8	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	93	184274	25.0	25.3	
79 Tetrachloroethene	166	6.507	6.507	0.000	93	290644	25.0	24.6	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	95	376820	25.0	25.6	
81 2-Hexanone	43	6.621	6.621	0.000	98	878655	125.0	131.4	
82 Chlorodibromomethane	129	6.766	6.766	0.000	91	246292	25.0	28.4	
83 Ethylene Dibromide	107	6.849	6.849	0.000	98	226244	25.0	26.0	
86 Chlorobenzene	112	7.201	7.201	0.000	95	780286	25.0	25.6	
88 Ethylbenzene	91	7.253	7.253	0.000	98	1242529	25.0	25.2	
89 1,1,1,2-Tetrachloroethane	131	7.274	7.274	0.000	91	273788	25.0	27.0	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	493240	25.0	25.5	
91 o-Xylene	106	7.667	7.667	0.000	98	482648	25.0	25.8	
92 Styrene	104	7.688	7.688	0.000	95	839537	25.0	26.9	
93 Bromoform	173	7.885	7.885	0.000	94	122319	25.0	27.4	a
95 Isopropylbenzene	105	7.947	7.947	0.000	96	1265746	25.0	26.0	
97 Bromobenzene	156	8.227	8.227	0.000	90	342161	25.0	25.9	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	95	267225	25.0	26.6	
99 N-Propylbenzene	91	8.279	8.279	0.000	99	1487778	25.0	26.5	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	92	94279	25.0	27.5	
101 trans-1,4-Dichloro-2-buten	53	8.300	8.300	0.000	82	104865	25.0	25.5	
105 2-Chlorotoluene	126	8.372	8.372	0.000	96	324159	25.0	26.3	
104 1,3,5-Trimethylbenzene	105	8.414	8.414	0.000	95	1087403	25.0	26.7	
102 4-Chlorotoluene	91	8.455	8.455	0.000	98	913407	25.0	25.1	
106 tert-Butylbenzene	134	8.683	8.683	0.000	94	258677	25.0	26.8	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	97	1116313	25.0	26.4	

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	8.859	8.859	0.000	94	1392170	25.0	26.9	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	1215219	25.0	27.4	
110 1,3-Dichlorobenzene	146	8.983	8.983	0.000	98	691500	25.0	26.2	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	94	696914	25.0	25.3	
115 n-Butylbenzene	91	9.315	9.315	0.000	98	1106187	25.0	27.1	
116 1,2-Dichlorobenzene	146	9.377	9.377	0.000	97	650223	25.0	25.8	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.041	0.000	79	37674	25.0	27.6	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	94	474488	25.0	26.8	
120 Hexachlorobutadiene	225	10.797	10.797	0.000	96	203341	25.0	25.9	
121 Naphthalene	128	10.901	10.901	0.000	97	1069266	25.0	28.2	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	95	448782	25.0	26.5	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00288

Amount Added: 12.50

Units: uL

T_8260_IS_00195

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00173

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180625-72610.b\\T0009.D

Injection Date: 25-Jun-2018 18:15:30

Instrument ID: HP5975T

Operator ID: LH/ZV

Lims ID: ICIS 5

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

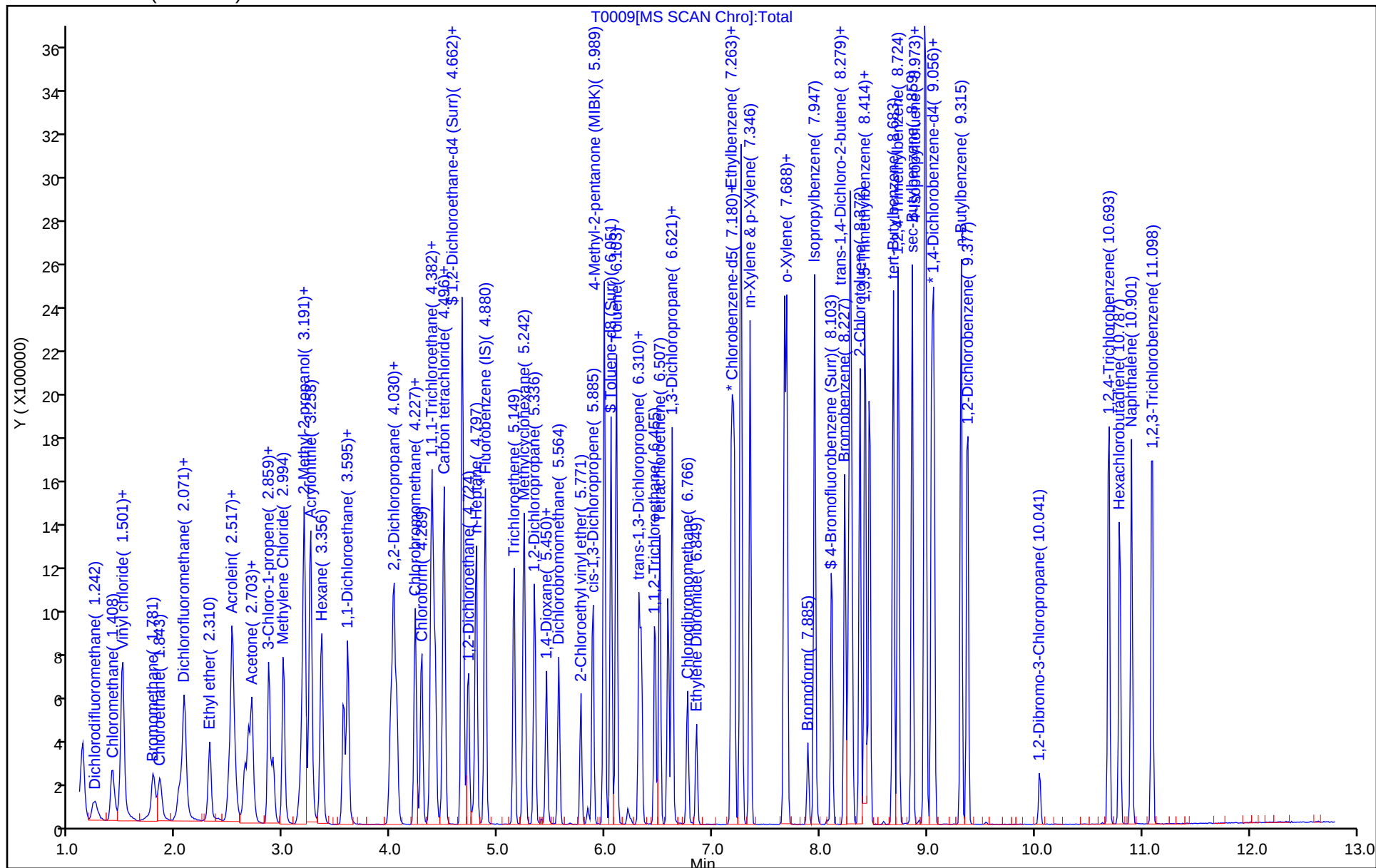
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

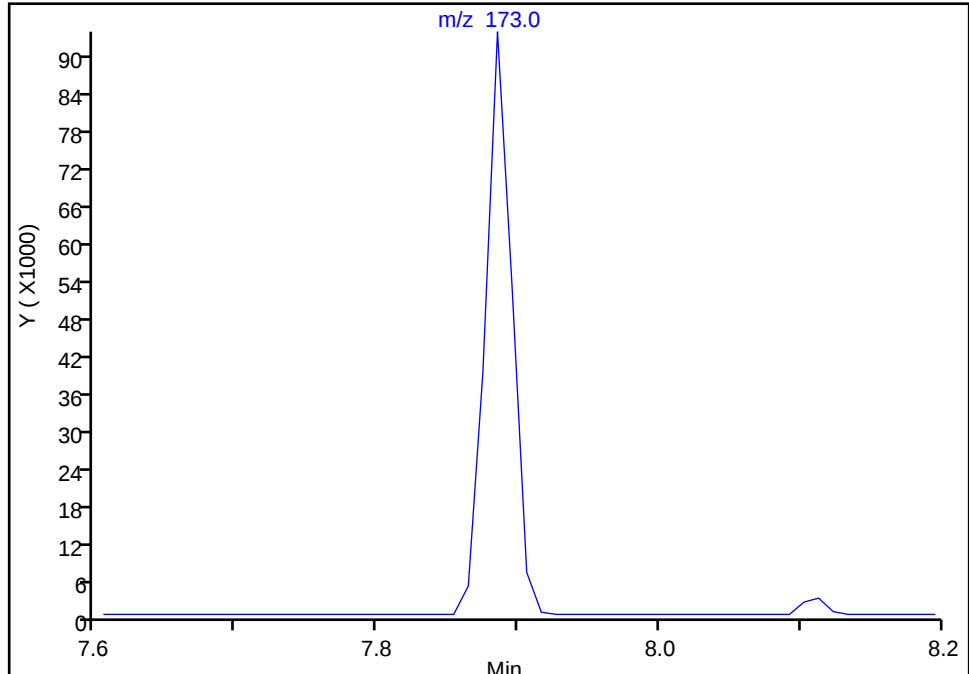
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0009.D
Injection Date: 25-Jun-2018 18:15:30 Instrument ID: HP5975T
Lims ID: ICIS 5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 8 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

93 Bromoform, CAS: 75-25-2

Signal: 1

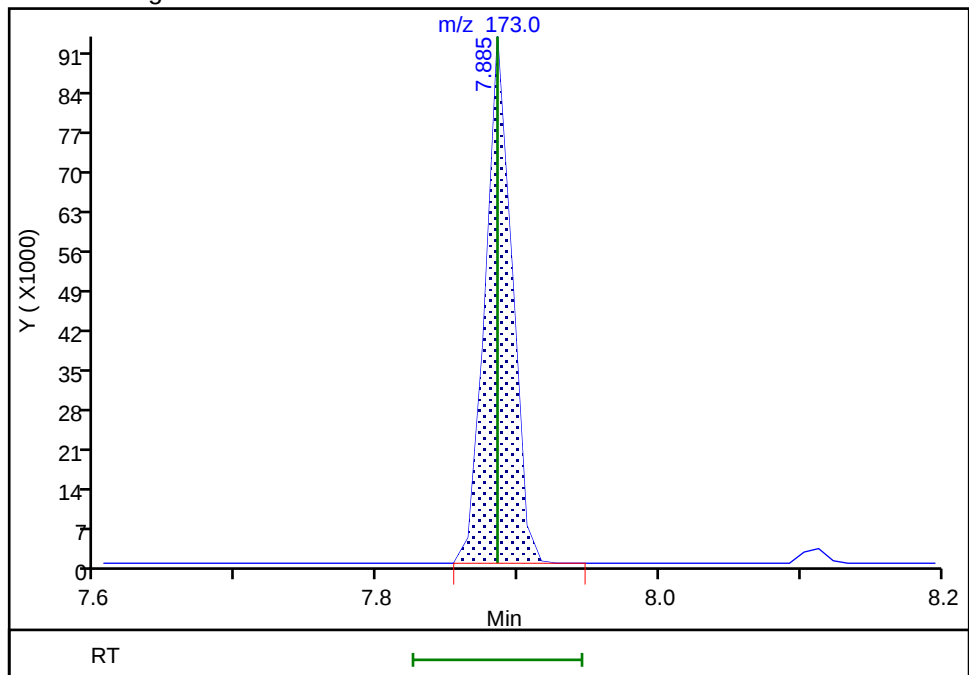
Not Detected
Expected RT: 7.89

Processing Integration Results



RT: 7.89
Area: 122319
Amount: 27.384054
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 11:25:49
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected
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07/11/2018

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0010.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 25-Jun-2018 18:39:30 ALS Bottle#: 9 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0072610-013
 Operator ID: LH/ZV Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 26-Jun-2018 16:43:05 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK041

First Level Reviewer: velickovics

Date: 26-Jun-2018 13:06:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	98	182620	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.180	7.180	0.000	88	764679	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.045	9.035	0.010	95	430017	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	94	238053	25.0	26.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	289014	25.0	25.7	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.051	0.000	94	834010	25.0	25.3	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.113	0.000	0	255930	25.0	25.3	
11 Dichlorodifluoromethane	85	1.242	1.242	0.000	98	498054	50.0	52.7	
13 Chloromethane	50	1.408	1.398	0.010	99	808337	50.0	50.3	
14 Vinyl chloride	62	1.491	1.481	0.010	98	663020	50.0	51.9	
151 Butadiene	54	1.501	1.501	0.000	89	714052	50.0	51.9	
15 Bromomethane	94	1.791	1.781	0.010	94	403035	50.0	45.2	
16 Chloroethane	64	1.854	1.843	0.011	96	395288	50.0	50.0	
17 Trichlorofluoromethane	101	2.082	2.071	0.011	93	873600	50.0	54.8	
18 Dichlorofluoromethane	67	2.082	2.071	0.011	97	935822	50.0	50.5	
19 Ethyl ether	59	2.310	2.310	0.000	97	501877	50.0	51.2	
21 Acrolein	56	2.496	2.486	0.010	99	378821	250.0	256.9	
22 1,1-Dichloroethene	96	2.527	2.517	0.010	93	462345	50.0	52.4	
20 1,1,2-Trichloro-1,2,2-trif	101	2.537	2.527	0.010	94	519441	50.0	52.3	
23 Acetone	43	2.641	2.641	0.000	99	824020	250.0	250.1	
24 Iodomethane	142	2.672	2.672	0.000	99	944578	50.0	54.0	
25 Carbon disulfide	76	2.703	2.703	0.000	98	1512776	50.0	55.5	
27 3-Chloro-1-propene	41	2.859	2.859	0.000	86	990123	50.0	54.1	
28 Methyl acetate	43	2.900	2.900	0.000	99	791699	100.0	93.7	
30 Methylene Chloride	84	3.004	2.994	0.010	95	554100	50.0	49.5	
31 2-Methyl-2-propanol	59	3.159	3.159	0.000	99	495121	500.0	529.6	
33 Methyl tert-butyl ether	73	3.190	3.180	0.010	98	1462966	50.0	53.7	
32 trans-1,2-Dichloroethene	96	3.190	3.191	-0.001	94	551413	50.0	56.1	
34 Acrylonitrile	53	3.253	3.253	0.000	97	2088608	500.0	526.1	
35 Hexane	57	3.356	3.356	0.000	95	955830	50.0	53.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.563	3.553	0.010	97	1041079	50.0	53.6	
39 Vinyl acetate	43	3.595	3.595	0.000	98	2202722	100.0	114.1	
42 2,2-Dichloropropane	77	4.009	3.999	0.010	87	755390	50.0	55.9	
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	86	621708	50.0	52.1	
44 2-Butanone (MEK)	43	4.050	4.051	-0.001	98	1215033	250.0	264.9	
48 Tetrahydrofuran	42	4.237	4.227	0.010	92	311491	100.0	103.4	
47 Chlorobromomethane	128	4.227	4.227	0.000	95	323124	50.0	54.3	
50 Chloroform	83	4.289	4.289	0.000	97	966044	50.0	52.4	
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	96	837049	50.0	55.1	
52 Cyclohexane	56	4.382	4.382	0.000	98	1138288	50.0	56.3	
53 Carbon tetrachloride	117	4.496	4.486	0.010	95	758178	50.0	58.3	
54 1,1-Dichloropropene	75	4.496	4.496	0.000	89	706684	50.0	52.8	
55 Benzene	78	4.662	4.662	0.000	95	1981234	50.0	53.6	
56 Isobutyl alcohol	43	4.672	4.672	0.000	91	498371	1250.0	1381.9	
57 1,2-Dichloroethane	62	4.724	4.724	0.000	96	883759	50.0	50.6	
59 n-Heptane	43	4.797	4.797	0.000	95	1005700	50.0	55.6	
60 Trichloroethene	95	5.149	5.149	0.000	93	575250	50.0	55.6	
62 Methylcyclohexane	83	5.242	5.242	0.000	97	929828	50.0	54.3	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	88	572860	50.0	54.0	
65 Dibromomethane	93	5.450	5.450	0.000	96	348020	50.0	54.0	
66 1,4-Dioxane	88	5.450	5.450	0.000	38	91546	1000.0	1007.5	
67 Dichlorobromomethane	83	5.563	5.564	-0.001	96	709997	50.0	57.5	
69 2-Chloroethyl vinyl ether	63	5.771	5.771	0.000	93	362803	50.0	56.7	
71 cis-1,3-Dichloropropene	75	5.885	5.885	0.000	88	782086	50.0	56.1	
72 4-Methyl-2-pentanone (MIBK)	43	5.988	5.989	-0.001	98	2664524	250.0	279.7	
73 Toluene	92	6.102	6.103	-0.001	97	1362092	50.0	52.6	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	96	723728	50.0	57.8	
77 Ethyl methacrylate	69	6.330	6.331	-0.001	96	569136	50.0	58.2	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	94	372329	50.0	52.1	
79 Tetrachloroethene	166	6.507	6.507	0.000	92	594776	50.0	51.3	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	96	755779	50.0	52.4	
81 2-Hexanone	43	6.621	6.621	0.000	99	1833117	250.0	279.5	
82 Chlorodibromomethane	129	6.766	6.766	0.000	90	540939	50.0	63.5	
83 Ethylene Dibromide	107	6.849	6.849	-0.001	99	469642	50.0	55.1	
86 Chlorobenzene	112	7.201	7.201	0.000	95	1600437	50.0	53.5	
88 Ethylbenzene	91	7.263	7.253	0.010	98	2589083	50.0	53.6	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.274	-0.011	91	569974	50.0	57.4	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	1017435	50.0	53.6	
91 o-Xylene	106	7.667	7.667	0.000	98	1022508	50.0	55.8	
92 Styrene	104	7.688	7.688	0.000	95	1742822	50.0	57.0	
93 Bromoform	173	7.885	7.885	0.000	94	277542	50.0	63.3	
95 Isopropylbenzene	105	7.947	7.947	0.000	96	2706439	50.0	56.4	
97 Bromobenzene	156	8.227	8.227	0.000	91	691307	50.0	53.0	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	96	539975	50.0	54.4	
99 N-Propylbenzene	91	8.279	8.279	0.000	99	3120723	50.0	56.3	
100 1,2,3-Trichloropropane	110	8.299	8.289	0.010	93	183283	50.0	54.1	
101 trans-1,4-Dichloro-2-buten	53	8.299	8.300	-0.001	86	223308	50.0	55.0	
105 2-Chlorotoluene	126	8.372	8.372	0.000	96	653604	50.0	53.7	
104 1,3,5-Trimethylbenzene	105	8.413	8.414	-0.001	95	2234009	50.0	55.5	
102 4-Chlorotoluene	91	8.465	8.455	0.010	97	1925012	50.0	53.5	
106 tert-Butylbenzene	134	8.683	8.683	0.000	94	524820	50.0	55.0	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	98	2357053	50.0	56.4	

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	8.859	8.859	0.000	94	2931784	50.0	57.4	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	2579028	50.0	58.9	
110 1,3-Dichlorobenzene	146	8.983	8.983	0.000	98	1379156	50.0	53.0	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	94	1414149	50.0	52.0	
115 n-Butylbenzene	91	9.315	9.315	0.000	98	2293162	50.0	56.8	
116 1,2-Dichlorobenzene	146	9.377	9.377	0.000	97	1317765	50.0	52.9	
117 1,2-Dibromo-3-Chloropropan	75	10.040	10.041	-0.001	79	86314	50.0	64.0	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	95	971474	50.0	55.7	
120 Hexachlorobutadiene	225	10.797	10.797	0.000	96	443092	50.0	57.2	
121 Naphthalene	128	10.900	10.901	-0.001	97	2186756	50.0	58.3	
122 1,2,3-Trichlorobenzene	180	11.097	11.098	-0.001	95	911245	50.0	54.6	
S 125 Total BTEX	1				0			269.2	
S 126 Xylenes, Total	1				0			109.4	
S 123 1,3-Dichloropropene, Total	1				0			113.9	
S 124 1,2-Dichloroethene, Total	1				0			108.2	

Reagents:

8260 CORP mix_00128	Amount Added: 25.00	Units: uL	
GAS CORP mix_00288	Amount Added: 25.00	Units: uL	
T_8260_IS_00195	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00173	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180625-72610.b\\T0010.D

Injection Date: 25-Jun-2018 18:39:30

Instrument ID: HP5975T

Operator ID: LH/ZV

Lims ID: IC 6

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

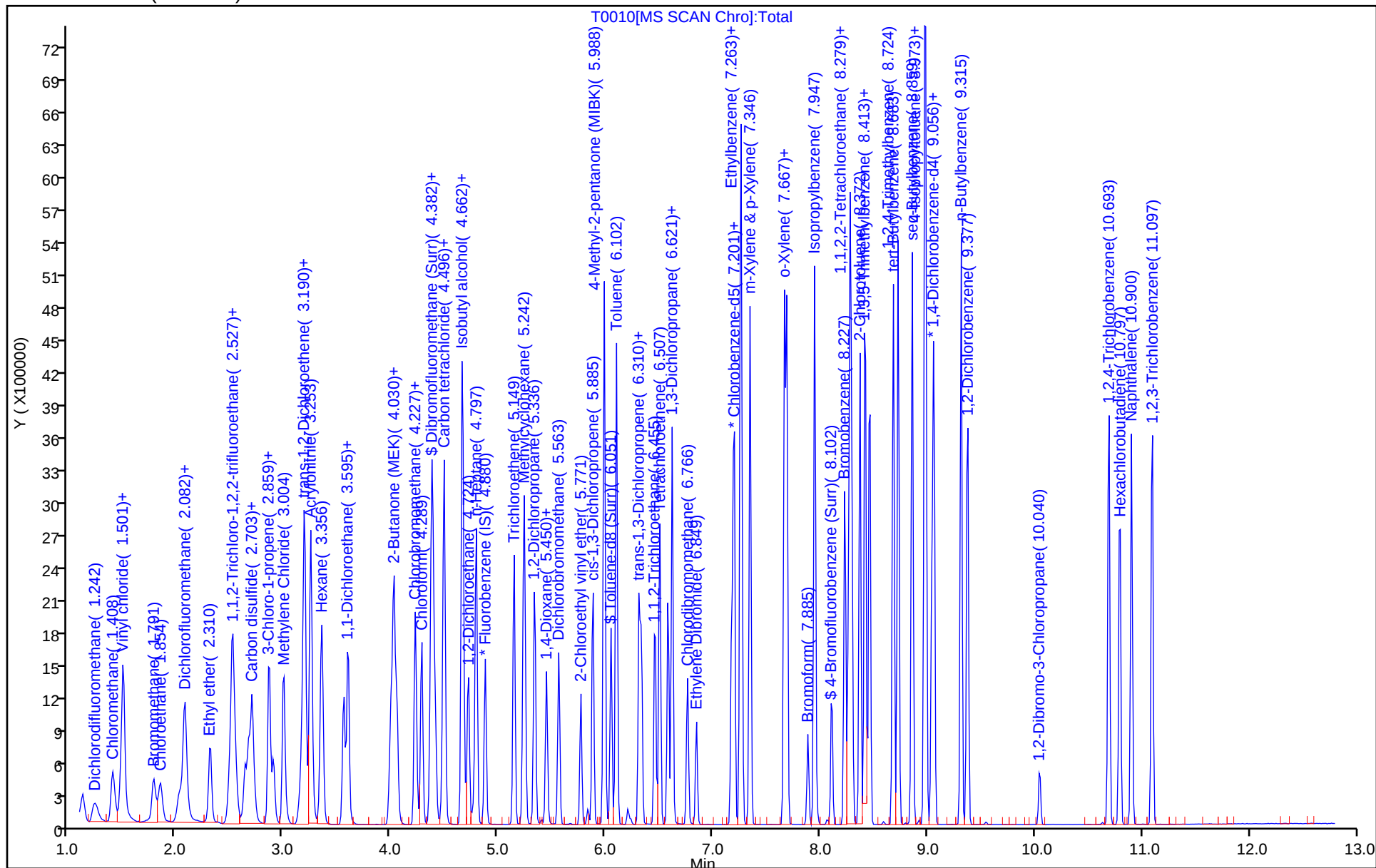
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0011.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 25-Jun-2018 19:02:30 ALS Bottle#: 10 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0072610-014
 Operator ID: LH/ZV Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 26-Jun-2018 16:43:10 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK041

First Level Reviewer: velickovics

Date: 26-Jun-2018 13:08:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	98	180409	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.180	7.180	0.000	87	763826	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.046	9.035	0.011	95	447295	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	91	243116	25.0	27.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	293480	25.0	26.4	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.051	0.000	94	844486	25.0	25.6	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.113	0.000	0	261898	25.0	25.9	
11 Dichlorodifluoromethane	85	1.253	1.242	0.011	98	1111166	100.0	119.1	
13 Chloromethane	50	1.419	1.398	0.021	99	1632579	100.0	102.9	
14 Vinyl chloride	62	1.501	1.481	0.020	97	1388283	100.0	110.0	
151 Butadiene	54	1.512	1.501	0.011	91	1489886	100.0	109.6	
15 Bromomethane	94	1.802	1.781	0.021	93	831064	100.0	94.4	
16 Chloroethane	64	1.864	1.843	0.021	97	803428	100.0	103.0	
17 Trichlorofluoromethane	101	2.092	2.071	0.021	57	1840334	100.0	116.8	
18 Dichlorofluoromethane	67	2.082	2.071	0.011	94	1932326	100.0	105.6	
19 Ethyl ether	59	2.320	2.310	0.010	98	976864	100.0	100.8	
21 Acrolein	56	2.496	2.486	0.010	99	773762	500.0	531.2	
22 1,1-Dichloroethene	96	2.527	2.517	0.010	94	966255	100.0	111.0	
20 1,1,2-Trichloro-1,2,2-trif	101	2.538	2.527	0.011	93	1049878	100.0	107.1	
23 Acetone	43	2.641	2.641	0.000	99	1721494	500.0	528.8	
24 Iodomethane	142	2.683	2.672	0.011	99	1942691	100.0	112.3	
25 Carbon disulfide	76	2.714	2.703	0.011	98	3085056	100.0	114.6	
27 3-Chloro-1-propene	41	2.869	2.859	0.010	85	1995080	100.0	110.3	
28 Methyl acetate	43	2.911	2.900	0.011	99	1631750	200.0	195.5	
30 Methylene Chloride	84	3.004	2.994	0.010	96	1122409	100.0	102.2	
31 2-Methyl-2-propanol	59	3.170	3.159	0.011	97	1090068	1000.0	1180.3	
33 Methyl tert-butyl ether	73	3.191	3.180	0.011	98	2982182	100.0	110.8	
32 trans-1,2-Dichloroethene	96	3.201	3.191	0.010	93	1098061	100.0	113.0	
34 Acrylonitrile	53	3.253	3.253	0.000	98	4302133	1000.0	1097.0	
35 Hexane	57	3.356	3.356	0.000	95	1986380	100.0	111.5	

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	3.564	3.553	0.011	97	2110054	100.0	109.9	
39 Vinyl acetate	43	3.605	3.595	0.010	98	4633330	200.0	242.9	
42 2,2-Dichloropropane	77	4.009	3.999	0.010	90	1544996	100.0	115.7	
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	87	1238346	100.0	105.1	
44 2-Butanone (MEK)	43	4.061	4.051	0.010	98	2522183	500.0	556.5	
48 Tetrahydrofuran	42	4.237	4.227	0.010	90	648148	200.0	217.7	
47 Chlorobromomethane	128	4.227	4.227	0.000	95	643463	100.0	109.5	
50 Chloroform	83	4.289	4.289	0.000	96	1917327	100.0	105.2	
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	96	1734609	100.0	115.5	
52 Cyclohexane	56	4.393	4.382	0.011	96	2340477	100.0	117.3	
53 Carbon tetrachloride	117	4.496	4.486	0.010	88	1555986	100.0	121.1	M
54 1,1-Dichloropropene	75	4.496	4.496	0.000	86	1422030	100.0	107.6	
55 Benzene	78	4.662	4.662	0.000	96	3939545	100.0	107.9	
56 Isobutyl alcohol	43	4.673	4.672	0.001	90	1096580	2500.0	3078.0	
57 1,2-Dichloroethane	62	4.724	4.724	0.000	96	1753389	100.0	101.7	
59 n-Heptane	43	4.797	4.797	0.000	96	2056759	100.0	115.2	
60 Trichloroethene	95	5.149	5.149	0.000	93	1152718	100.0	112.7	
62 Methylcyclohexane	83	5.243	5.242	0.001	96	1923360	100.0	113.6	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	88	1181835	100.0	112.8	
65 Dibromomethane	93	5.450	5.450	0.000	95	711285	100.0	111.7	
66 1,4-Dioxane	88	5.450	5.450	0.000	39	188777	2000.0	2079.9	
67 Dichlorobromomethane	83	5.564	5.564	0.000	96	1473449	100.0	120.8	
69 2-Chloroethyl vinyl ether	63	5.771	5.771	0.000	93	775553	100.0	122.6	
71 cis-1,3-Dichloropropene	75	5.885	5.885	0.000	88	1646331	100.0	119.6	
72 4-Methyl-2-pentanone (MIBK)	43	5.989	5.989	0.000	98	5534355	500.0	581.7	
73 Toluene	92	6.103	6.103	0.000	97	2700682	100.0	104.4	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	95	1512882	100.0	120.9	
77 Ethyl methacrylate	69	6.331	6.331	0.000	97	1189171	100.0	121.7	
78 1,1,2-Trichloroethane	83	6.465	6.455	0.010	95	762125	100.0	106.8	
79 Tetrachloroethene	166	6.507	6.507	0.000	93	1242949	100.0	107.3	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	96	1537398	100.0	106.6	
81 2-Hexanone	43	6.621	6.621	0.000	98	3794705	500.0	579.3	
82 Chlorodibromomethane	129	6.766	6.766	0.000	90	1177912	100.0	138.5	
83 Ethylene Dibromide	107	6.849	6.849	0.000	97	971356	100.0	114.1	
86 Chlorobenzene	112	7.201	7.201	0.000	95	3231885	100.0	108.1	
88 Ethylbenzene	91	7.263	7.253	0.010	98	5254967	100.0	108.9	
89 1,1,1,2-Tetrachloroethane	131	7.274	7.274	0.000	93	1185258	100.0	119.5	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	2064542	100.0	108.8	
91 o-Xylene	106	7.667	7.667	0.000	98	2044254	100.0	111.7	
92 Styrene	104	7.688	7.688	0.000	96	3535303	100.0	115.8	
93 Bromoform	173	7.885	7.885	0.000	94	645708	100.0	147.5	
95 Isopropylbenzene	105	7.947	7.947	0.000	96	5374581	100.0	107.6	
97 Bromobenzene	156	8.227	8.227	0.000	91	1433381	100.0	105.6	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	95	1137045	100.0	110.1	
99 N-Propylbenzene	91	8.279	8.279	0.000	99	6256200	100.0	108.5	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	92	380024	100.0	107.8	
101 trans-1,4-Dichloro-2-buten	53	8.300	8.300	0.000	78	491935	100.0	116.5	
105 2-Chlorotoluene	126	8.372	8.372	0.000	96	1335907	100.0	105.6	
104 1,3,5-Trimethylbenzene	105	8.424	8.414	0.010	95	4567901	100.0	109.1	
102 4-Chlorotoluene	91	8.465	8.455	0.010	98	3879895	100.0	103.7	
106 tert-Butylbenzene	134	8.683	8.683	0.000	94	1098919	100.0	110.7	
107 1,2,4-Trimethylbenzene	105	8.725	8.724	0.000	97	4770913	100.0	109.7	

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	8.859	8.859	0.000	94	5891669	100.0	110.9	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	5211111	100.0	114.4	
110 1,3-Dichlorobenzene	146	8.984	8.983	0.001	98	2805212	100.0	103.6	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	94	2851401	100.0	100.8	
115 n-Butylbenzene	91	9.315	9.315	0.000	98	4727171	100.0	112.6	
116 1,2-Dichlorobenzene	146	9.377	9.377	0.000	97	2693324	100.0	103.9	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.041	0.000	83	197364	100.0	140.7	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	95	2001164	100.0	110.2	
120 Hexachlorobutadiene	225	10.797	10.797	0.000	95	918166	100.0	113.9	
121 Naphthalene	128	10.901	10.901	0.000	98	4571572	100.0	117.3	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	96	1889472	100.0	108.8	
S 125 Total BTEX	1				0			541.8	
S 126 Xylenes, Total	1				0			220.5	
S 123 1,3-Dichloropropene, Total	1				0			240.5	
S 124 1,2-Dichloroethene, Total	1				0			218.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 50.00

Units: uL

GAS CORP mix_00288

Amount Added: 50.00

Units: uL

T_8260_IS_00195

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00173

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180625-72610.b\\T0011.D

Injection Date: 25-Jun-2018 19:02:30

Instrument ID: HP5975T

Operator ID: LH/ZV

Lims ID: IC 7

Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL

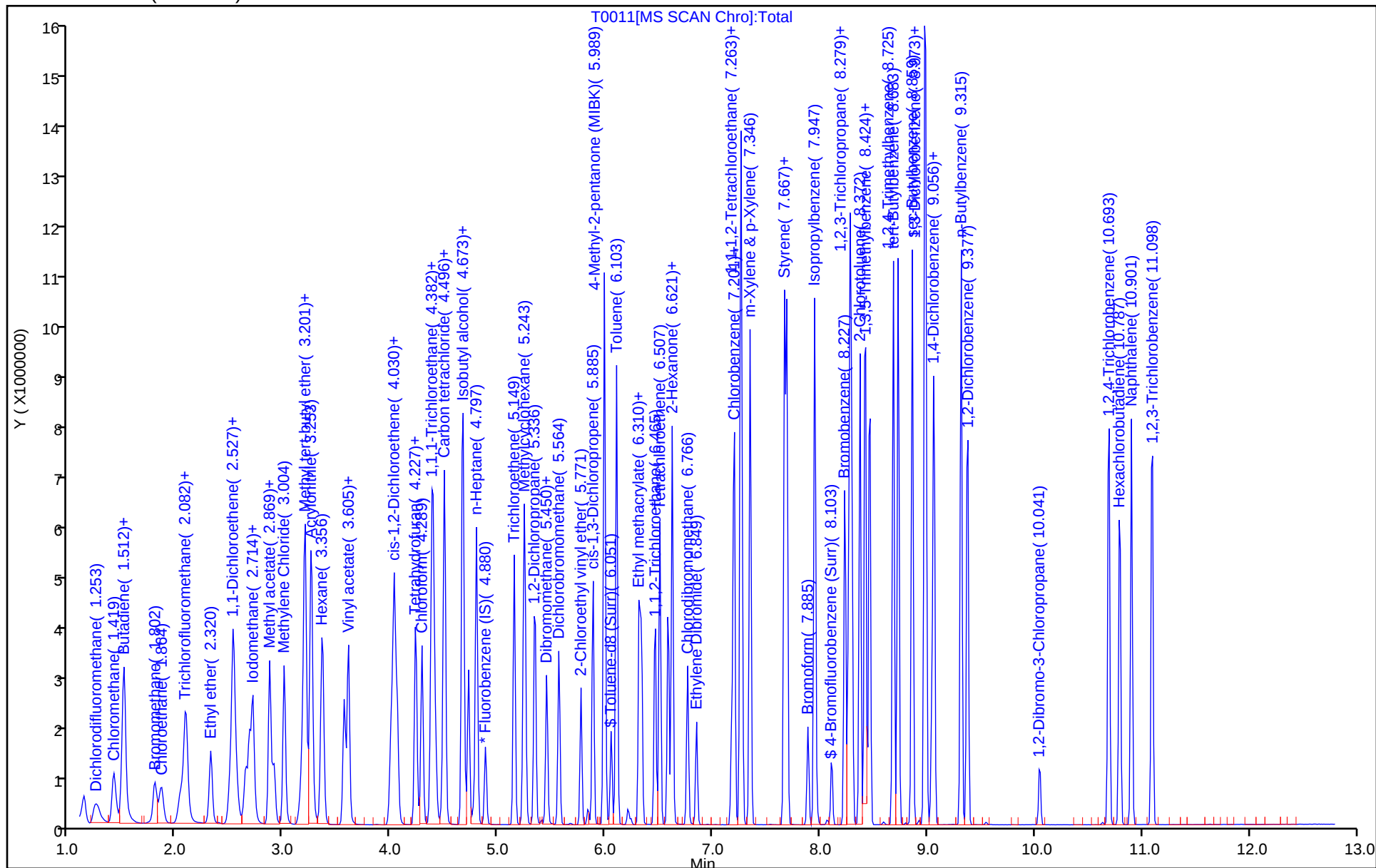
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0011.D

Injection Date: 25-Jun-2018 19:02:30

Instrument ID: HP5975T

Lims ID: IC 7

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

10

Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

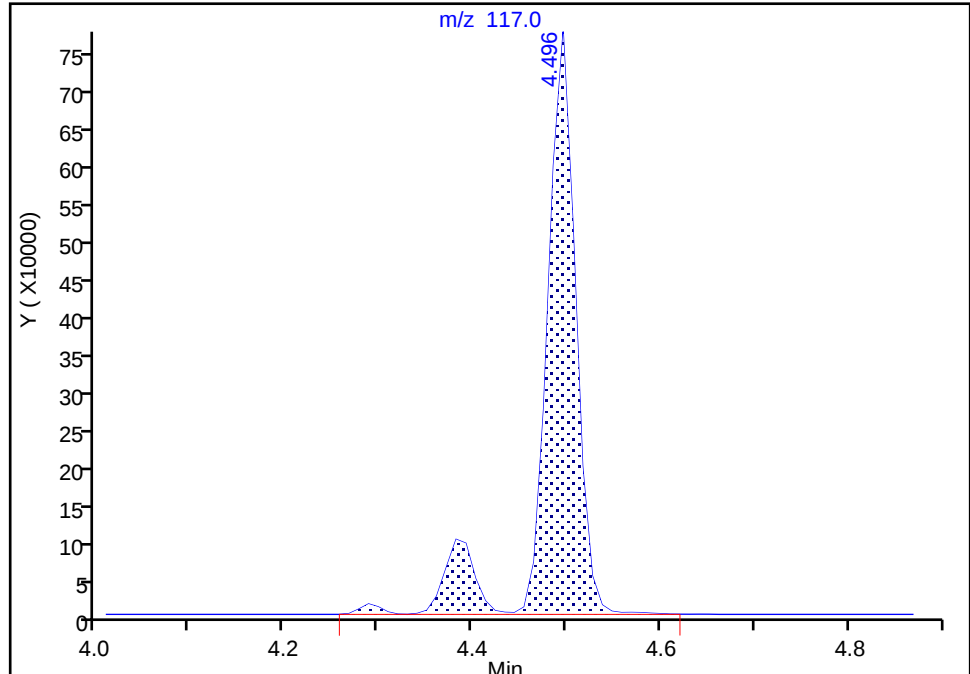
MS SCAN

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

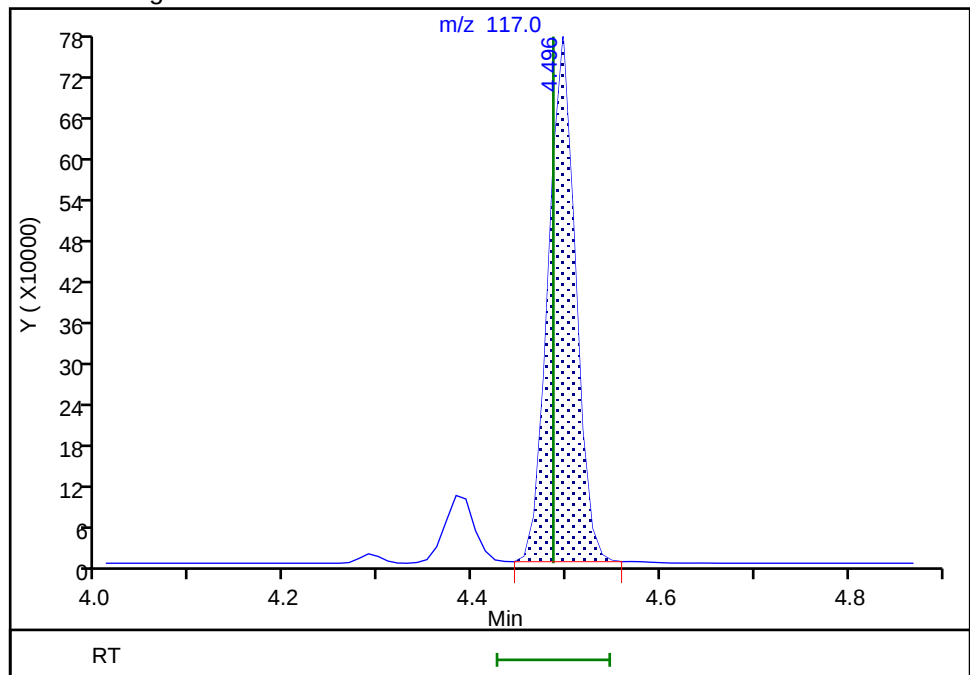
RT: 4.50
Area: 1825421
Amount: 151.0209
Amount Units: ug/L

Processing Integration Results



RT: 4.50
Area: 1555986
Amount: 121.1355
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 26-Jun-2018 13:07:42

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Lab Sample ID: CCVIS 480-423625/2 Calibration Date: 07/09/2018 19:03

Instrument ID: HP5973S Calib Start Date: 06/20/2018 13:51

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/20/2018 16:34

Lab File ID: S3277.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.204	1.407	0.1000	29.2	25.0	16.9	50.0
Chloromethane	Ave	1.913	1.887	0.1000	24.7	25.0	-1.3	20.0
Vinyl chloride	Ave	1.701	1.807	0.1000	26.6	25.0	6.3	20.0
Butadiene	Ave	1.774	1.886		26.6	25.0	6.4	20.0
Bromomethane	Ave	0.9114	0.9153	0.1000	25.1	25.0	0.4	50.0
Chloroethane	Ave	1.029	1.074	0.1000	26.1	25.0	4.4	50.0
Trichlorofluoromethane	Ave	1.612	1.833	0.1000	28.4	25.0	13.7	20.0
Dichlorofluoromethane	Ave	2.255	2.135		23.7	25.0	-5.3	20.0
Ethyl ether	Ave	1.434	1.499		26.1	25.0	4.6	20.0
Acrolein	Ave	0.2746	0.1584		72.1	125	-42.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.132	0.1000	28.8	25.0	15.4	20.0
1,1-Dichloroethene	Ave	1.104	1.236	0.1000	28.0	25.0	11.9	20.0
Acetone	Ave	0.4810	0.5102	0.1000	133	125	6.1	50.0
Iodomethane	Ave	1.615	1.979		30.6	25.0	22.5*	20.0
Carbon disulfide	Ave	3.520	3.894	0.1000	27.7	25.0	10.6	20.0
Allyl chloride	Ave	2.141	1.960		22.9	25.0	-8.4	20.0
Methyl acetate	Ave	1.263	1.277	0.1000	50.6	50.0	1.1	50.0
Methylene Chloride	Lin1		1.465	0.1000	25.1	25.0	0.4	20.0
2-Methyl-2-propanol	Ave	0.1630	0.1650		253	250	1.2	50.0
Methyl tert-butyl ether	Ave	4.138	4.247	0.1000	25.7	25.0	2.6	20.0
trans-1,2-Dichloroethene	Ave	1.264	1.359	0.1000	26.9	25.0	7.5	20.0
Acrylonitrile	Ave	0.6712	0.7440		277	250	10.8	20.0
Hexane	Ave	2.330	2.655		28.5	25.0	13.9	20.0
1,1-Dichloroethane	Ave	2.662	2.723	0.2000	25.6	25.0	2.3	20.0
Vinyl acetate	Ave	3.070	3.432		55.9	50.0	11.8	20.0
2,2-Dichloropropane	Ave	1.475	1.563		26.5	25.0	5.9	20.0
cis-1,2-Dichloroethene	Ave	1.452	1.572	0.1000	27.1	25.0	8.2	20.0
2-Butanone (MEK)	Ave	0.7386	0.7665	0.1000	130	125	3.8	20.0
Chlorobromomethane	Ave	0.6939	0.7381		26.6	25.0	6.4	20.0
Tetrahydrofuran	Ave	0.5075	0.5197		51.2	50.0	2.4	20.0
Chloroform	Ave	2.323	2.443	0.2000	26.3	25.0	5.2	20.0
1,1,1-Trichloroethane	Ave	1.731	1.859	0.1000	26.8	25.0	7.4	20.0
Cyclohexane	Ave	2.329	2.446	0.1000	26.3	25.0	5.0	20.0
Carbon tetrachloride	Ave	1.451	1.707	0.1000	29.4	25.0	17.7	20.0
1,1-Dichloropropene	Ave	1.764	1.891		26.8	25.0	7.2	20.0
Benzene	Ave	5.304	5.579	0.5000	26.3	25.0	5.2	20.0
Isobutyl alcohol	Ave	0.0686	0.0781		712	625	13.9	50.0
1,2-Dichloroethane	Ave	2.143	2.154	0.1000	25.1	25.0	0.5	20.0
n-Heptane	Ave	2.167	2.672		30.8	25.0	23.3*	20.0
Trichloroethene	Ave	1.368	1.445	0.2000	26.4	25.0	5.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Lab Sample ID: CCVIS 480-423625/2 Calibration Date: 07/09/2018 19:03

Instrument ID: HP5973S Calib Start Date: 06/20/2018 13:51

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/20/2018 16:34

Lab File ID: S3277.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.084	2.432	0.1000	29.2	25.0	16.7	20.0
1,2-Dichloropropane	Ave	1.600	1.573	0.1000	24.6	25.0	-1.7	20.0
Dibromomethane	Ave	0.8353	0.9054	0.1000	27.1	25.0	8.4	20.0
1,4-Dioxane	Lin1		0.0101		899	500	79.8*	50.0
Bromodichloromethane	Ave	1.609	1.855	0.2000	28.8	25.0	15.3	20.0
2-Chloroethyl vinyl ether	Ave	1.068	1.017		23.8	25.0	-4.7	20.0
cis-1,3-Dichloropropene	Ave	2.023	2.199	0.2000	27.2	25.0	8.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7981	0.8026	0.1000	126	125	0.6	20.0
Toluene	Ave	1.662	1.733	0.4000	26.1	25.0	4.3	20.0
trans-1,3-Dichloropropene	Ave	0.9155	0.9895	0.1000	27.0	25.0	8.1	20.0
Ethyl methacrylate	Ave	0.8975	0.9356		26.1	25.0	4.3	20.0
1,1,2-Trichloroethane	Ave	0.5007	0.5327	0.1000	26.6	25.0	6.4	20.0
Tetrachloroethene	Ave	0.7017	0.7492	0.2000	26.7	25.0	6.8	20.0
1,3-Dichloropropane	Ave	1.056	1.126		26.7	25.0	6.7	20.0
2-Hexanone	Ave	0.5875	0.5960	0.1000	127	125	1.4	20.0
Dibromochloromethane	Ave	0.5694	0.6743	0.1000	29.6	25.0	18.4	20.0
1,2-Dibromoethane	Ave	0.6308	0.6679		26.5	25.0	5.9	20.0
Chlorobenzene	Ave	1.821	1.901	0.5000	26.1	25.0	4.4	20.0
Ethylbenzene	Ave	2.995	3.204	0.1000	26.7	25.0	7.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5890	0.6598		28.0	25.0	12.0	20.0
m,p-Xylene	Ave	1.218	1.251	0.1000	25.7	25.0	2.7	20.0
o-Xylene	Ave	1.156	1.195	0.3000	25.8	25.0	3.3	20.0
Styrene	Ave	1.985	2.103	0.3000	26.5	25.0	5.9	20.0
Bromoform	Ave	0.3637	0.4528	0.1000	31.1	25.0	24.5	50.0
Isopropylbenzene	Ave	3.152	3.423	0.1000	27.1	25.0	8.6	20.0
Bromobenzene	Ave	0.7974	0.8597		27.0	25.0	7.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8564	0.9512	0.3000	27.8	25.0	11.1	20.0
N-Propylbenzene	Ave	3.654	4.059		27.8	25.0	11.1	20.0
1,2,3-Trichloropropane	Ave	0.2819	0.3346		29.7	25.0	18.7	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.2768		22.7	25.0	-9.1	50.0
2-Chlorotoluene	Ave	0.7865	0.8121		25.8	25.0	3.2	20.0
1,3,5-Trimethylbenzene	Ave	2.734	2.925		26.7	25.0	7.0	20.0
4-Chlorotoluene	Ave	0.8059	0.8650		26.8	25.0	7.3	20.0
tert-Butylbenzene	Ave	0.5829	0.6408		27.5	25.0	9.9	20.0
1,2,4-Trimethylbenzene	Ave	2.793	2.973		26.6	25.0	6.5	20.0
sec-Butylbenzene	Ave	3.279	3.626		27.6	25.0	10.6	20.0
4-Isopropyltoluene	Ave	2.822	3.155		28.0	25.0	11.8	20.0
1,3-Dichlorobenzene	Ave	1.549	1.648	0.6000	26.6	25.0	6.4	20.0
1,4-Dichlorobenzene	Ave	1.580	1.668	0.5000	26.4	25.0	5.6	20.0
n-Butylbenzene	Ave	2.545	2.866		28.2	25.0	12.6	20.0
1,2-Dichlorobenzene	Ave	1.525	1.583	0.4000	25.9	25.0	3.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-423625/2 Calibration Date: 07/09/2018 19:03
 Instrument ID: HP5973S Calib Start Date: 06/20/2018 13:51
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/20/2018 16:34
 Lab File ID: S3277.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	0.1662	0.1784	0.0500	26.8	25.0	7.4	50.0
1,2,4-Trichlorobenzene	Ave	1.085	1.138	0.2000	26.2	25.0	4.9	20.0
Hexachlorobutadiene	Ave	0.5186	0.6050		29.2	25.0	16.6	20.0
Naphthalene	Ave	2.965	3.196		26.9	25.0	7.8	20.0
1,2,3-Trichlorobenzene	Ave	1.000	1.133		28.3	25.0	13.3	20.0
Dibromofluoromethane (Surr)	Ave	1.197	1.262		26.4	25.0	5.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7832	0.8348		26.6	25.0	6.6	20.0
Toluene-d8 (Surr)	Ave	2.435	2.467		25.3	25.0	1.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7477	0.7606		25.4	25.0	1.7	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3277.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 09-Jul-2018 19:03:30 ALS Bottle#: 2 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0072956-002
 Operator ID: kn Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 09:34:37 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: nowakk

Date: 09-Jul-2018 19:56:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	159630	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	326812	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	54	300055	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.926	4.926	0.000	67	201419	25.0	26.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	57	133256	25.0	26.6	
\$ 5 Toluene-d8 (Surr)	98	7.019	7.019	0.000	88	806196	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	92	248576	25.0	25.4	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	96	224665	25.0	29.2	
12 Chloromethane	50	1.470	1.470	0.000	100	301190	25.0	24.7	
13 Vinyl chloride	62	1.549	1.549	0.000	93	288479	25.0	26.6	
151 Butadiene	54	1.586	1.586	0.000	83	301140	25.0	26.6	
14 Bromomethane	94	1.872	1.872	0.000	90	146103	25.0	25.1	
15 Chloroethane	64	1.975	1.975	0.000	97	171511	25.0	26.1	
17 Trichlorofluoromethane	101	2.194	2.194	0.000	78	292600	25.0	28.4	
16 Dichlorofluoromethane	67	2.200	2.200	0.000	96	340850	25.0	23.7	
18 Ethyl ether	59	2.498	2.498	0.000	92	239340	25.0	26.1	
20 Acrolein	56	2.687	2.687	0.000	98	126393	125.0	72.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.705	2.705	0.000	89	180628	25.0	28.8	
22 1,1-Dichloroethene	96	2.717	2.717	0.000	94	197250	25.0	28.0	
23 Acetone	43	2.851	2.851	0.000	96	407178	125.0	132.6	
25 Iodomethane	142	2.894	2.894	0.000	96	315835	25.0	30.6	
26 Carbon disulfide	76	2.924	2.924	0.000	98	621665	25.0	27.7	
28 3-Chloro-1-propene	41	3.095	3.095	0.000	90	312906	25.0	22.9	
27 Methyl acetate	43	3.149	3.149	0.000	94	407703	50.0	50.6	
30 Methylene Chloride	84	3.259	3.259	0.000	96	233902	25.0	25.1	
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	95	263389	250.0	253.1	
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	91	677872	25.0	25.7	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	94	216939	25.0	26.9	
33 Acrylonitrile	53	3.539	3.539	0.000	98	1187585	250.0	277.1	
35 Hexane	57	3.660	3.660	0.000	83	423834	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 1,1-Dichloroethane	63	3.898	3.898	0.000	97	434653	25.0	25.6	
37 Vinyl acetate	43	3.952	3.952	0.000	97	1095835	50.0	55.9	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	92	249517	25.0	26.5	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	81	250860	25.0	27.1	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	95	611762	125.0	129.7	
48 Chlorobromomethane	128	4.695	4.695	0.000	96	117825	25.0	26.6	
49 Tetrahydrofuran	42	4.713	4.713	0.000	91	165930	50.0	51.2	
50 Chloroform	83	4.774	4.774	0.000	83	389899	25.0	26.3	
51 1,1,1-Trichloroethane	97	4.877	4.877	0.000	94	296692	25.0	26.8	
52 Cyclohexane	56	4.883	4.883	0.000	89	390406	25.0	26.3	
55 Carbon tetrachloride	117	5.017	5.017	0.000	89	272412	25.0	29.4	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	96	301864	25.0	26.8	
57 Benzene	78	5.236	5.236	0.000	96	890532	25.0	26.3	
53 Isobutyl alcohol	43	5.266	5.266	0.000	95	311765	625.0	711.7	
58 1,2-Dichloroethane	62	5.309	5.309	0.000	80	343786	25.0	25.1	
59 n-Heptane	43	5.406	5.406	0.000	88	426539	25.0	30.8	a
62 Trichloroethene	95	5.850	5.850	0.000	96	230689	25.0	26.4	
64 Methylcyclohexane	83	5.960	5.960	0.000	93	388244	25.0	29.2	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	96	251110	25.0	24.6	
67 Dibromomethane	93	6.234	6.234	0.000	88	144532	25.0	27.1	
66 1,4-Dioxane	88	6.240	6.240	0.000	41	65763	500.0	898.8	
68 Dichlorobromomethane	83	6.386	6.386	0.000	98	296124	25.0	28.8	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	89	162409	25.0	23.8	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	88	351099	25.0	27.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.946	6.946	0.000	95	1311439	125.0	125.7	
74 Toluene	92	7.092	7.092	0.000	95	566438	25.0	26.1	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	95	323369	25.0	27.0	
75 Ethyl methacrylate	69	7.414	7.414	0.000	85	305778	25.0	26.1	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	93	174085	25.0	26.6	
81 Tetrachloroethene	166	7.615	7.615	0.000	83	244839	25.0	26.7	
82 1,3-Dichloropropane	76	7.724	7.724	0.000	92	368082	25.0	26.7	
80 2-Hexanone	43	7.791	7.791	0.000	90	973893	125.0	126.8	
83 Chlorodibromomethane	129	7.961	7.961	0.000	89	220364	25.0	29.6	
84 Ethylene Dibromide	107	8.071	8.071	0.000	99	218280	25.0	26.5	
87 Chlorobenzene	112	8.539	8.539	0.000	93	621376	25.0	26.1	
88 Ethylbenzene	91	8.631	8.631	0.000	98	1047056	25.0	26.7	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	56	215628	25.0	28.0	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	99	408929	25.0	25.7	
91 o-Xylene	106	9.178	9.178	0.000	97	390473	25.0	25.8	
92 Styrene	104	9.209	9.209	0.000	94	687125	25.0	26.5	
95 Bromoform	173	9.464	9.464	0.000	95	147994	25.0	31.1	
94 Isopropylbenzene	105	9.561	9.561	0.000	95	1026962	25.0	27.1	
101 Bromobenzene	156	9.908	9.908	0.000	94	257951	25.0	27.0	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	73	285407	25.0	27.8	
99 N-Propylbenzene	91	9.981	9.981	0.000	99	1217851	25.0	27.8	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	73	100409	25.0	29.7	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	78	83068	25.0	22.7	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	243662	25.0	25.8	
102 1,3,5-Trimethylbenzene	105	10.158	10.158	0.000	86	877782	25.0	26.7	
105 4-Chlorotoluene	126	10.200	10.200	0.000	89	259539	25.0	26.8	
106 tert-Butylbenzene	134	10.480	10.480	0.000	92	192260	25.0	27.5	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	76	892177	25.0	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	93	1087942	25.0	27.6	
110 4-Isopropyltoluene	119	10.821	10.821	0.000	96	946720	25.0	28.0	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	73	494475	25.0	26.6	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	93	500457	25.0	26.4	
115 n-Butylbenzene	91	11.210	11.210	0.000	97	860085	25.0	28.2	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	93	474942	25.0	25.9	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	83	53530	25.0	26.8	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	94	341374	25.0	26.2	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	96	181517	25.0	29.2	
121 Naphthalene	128	12.877	12.877	0.000	98	958901	25.0	26.9	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	94	339999	25.0	28.3	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00290

Amount Added: 12.50

Units: uL

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180709-72956.b\\S3277.D

Injection Date: 09-Jul-2018 19:03:30

Instrument ID: HP5973S

Operator ID: kn

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL

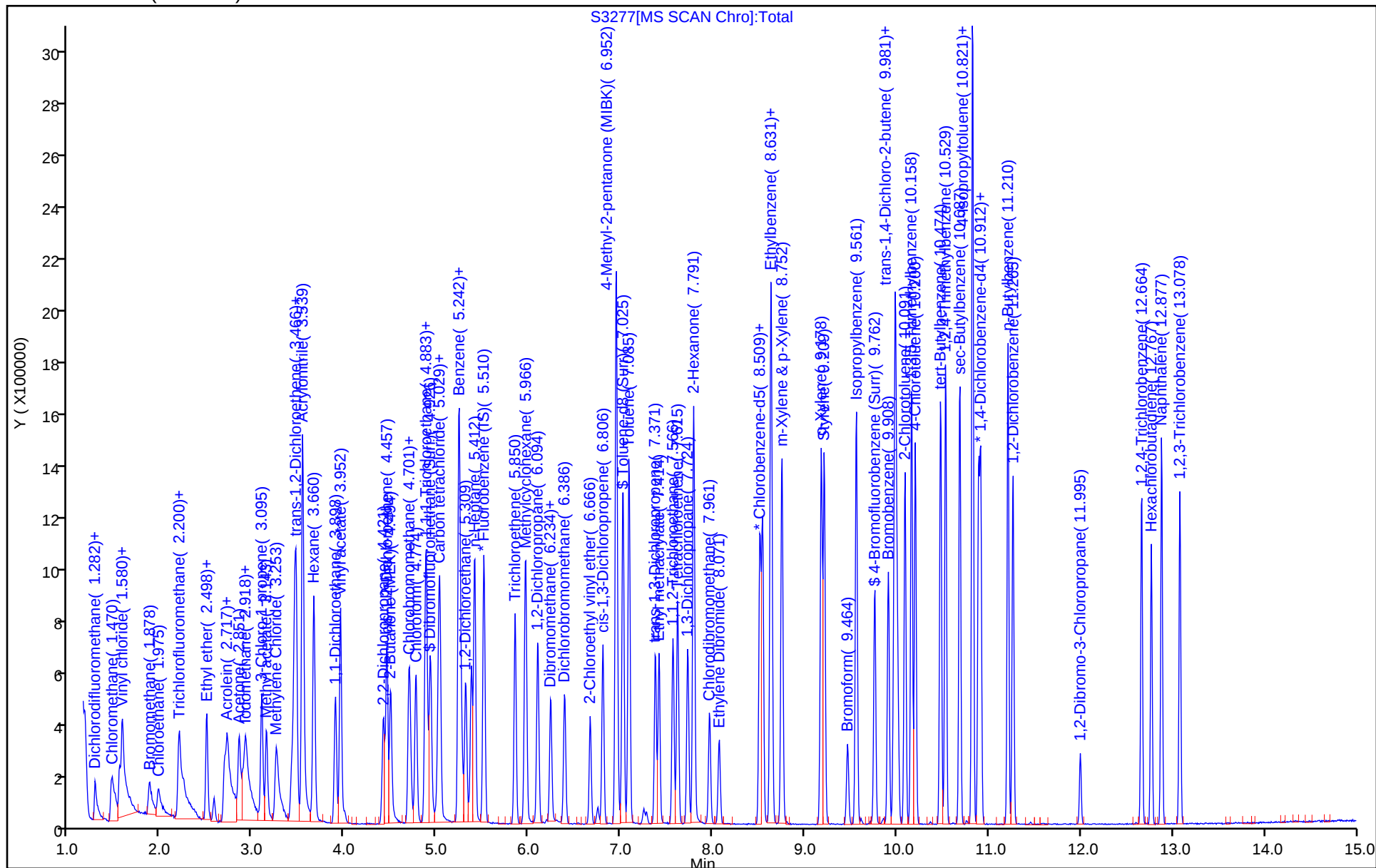
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3277.D

Injection Date: 09-Jul-2018 19:03:30

Instrument ID: HP5973S

Lims ID: CCVIS

Client ID:

Operator ID: kn

ALS Bottle#:

2

Worklist Smp#: 2

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

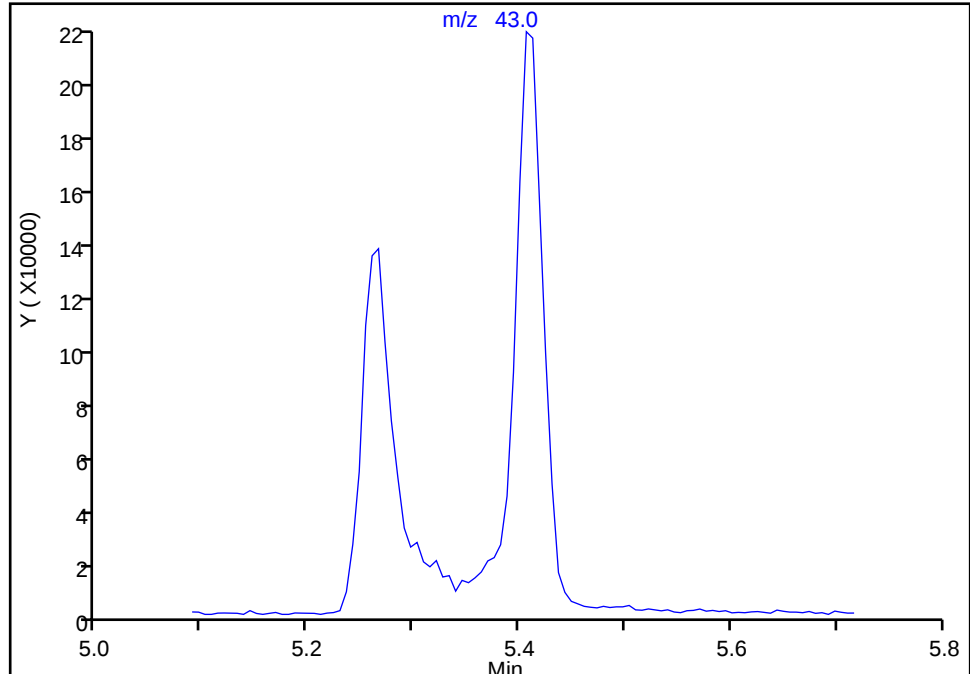
59 n-Heptane, CAS: 142-82-5

Signal: 1

Not Detected

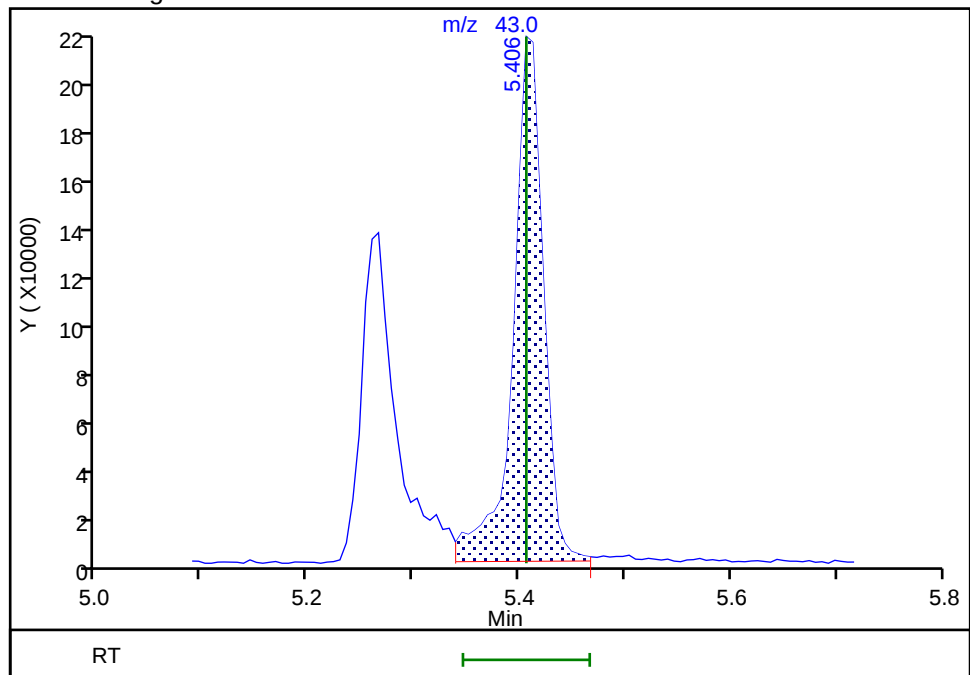
Expected RT: 5.41

Processing Integration Results



Manual Integration Results

RT: 5.41
Area: 426539
Amount: 30.822096
Amount Units: ug/L



Reviewer: nowakk, 09-Jul-2018 19:22:23

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Lab Sample ID: CCVIS 480-423660/3 Calibration Date: 07/10/2018 09:14

Instrument ID: HP5975T Calib Start Date: 06/25/2018 16:17

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/25/2018 19:02

Lab File ID: T0438.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.293	1.913	0.1000	37.0	25.0	48.0	50.0
Chloromethane	Ave	2.199	2.572	0.1000	29.2	25.0	17.0	20.0
Vinyl chloride	Ave	1.748	1.990	0.1000	28.5	25.0	13.8	20.0
Butadiene	Ave	1.883	2.309		30.7	25.0	22.6*	20.0
Bromomethane	Ave	1.220	1.280	0.1000	26.2	25.0	5.0	50.0
Chloroethane	Ave	1.081	1.236	0.1000	28.6	25.0	14.3	50.0
Dichlorofluoromethane	Ave	2.535	2.808		27.7	25.0	10.8	20.0
Trichlorofluoromethane	Ave	2.183	2.884	0.1000	33.0	25.0	32.1*	20.0
Ethyl ether	Ave	1.343	1.341		25.0	25.0	-0.1	20.0
Acrolein	Ave	0.2019	0.1196		74.1	125	-40.8	50.0
1,1-Dichloroethene	Ave	1.207	1.232	0.1000	25.5	25.0	2.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.359	1.496	0.1000	27.5	25.0	10.1	20.0
Acetone	Ave	0.4511	0.5997	0.1000	166	125	32.9	50.0
Iodomethane	Ave	2.397	2.502		26.1	25.0	4.4	20.0
Carbon disulfide	Ave	3.731	3.523	0.1000	23.6	25.0	-5.6	20.0
Allyl chloride	Ave	2.506	2.798		27.9	25.0	11.6	20.0
Methyl acetate	Ave	1.157	1.098	0.1000	47.5	50.0	-5.0	50.0
Methylene Chloride	Lin1		1.389	0.1000	22.3	25.0	-10.8	20.0
2-Methyl-2-propanol	Ave	0.1280	0.1375		269	250	7.4	50.0
Methyl tert-butyl ether	Ave	3.730	3.766	0.1000	25.2	25.0	1.0	20.0
trans-1,2-Dichloroethene	Ave	1.346	1.421	0.1000	26.4	25.0	5.5	20.0
Acrylonitrile	Ave	0.5434	0.5756		265	250	5.9	20.0
Hexane	Ave	2.469	2.759		27.9	25.0	11.8	20.0
1,1-Dichloroethane	Ave	2.660	2.836	0.2000	26.7	25.0	6.6	20.0
Vinyl acetate	Ave	2.643	3.340		63.2	50.0	26.4*	20.0
2,2-Dichloropropane	Ave	1.850	2.210		29.9	25.0	19.5	20.0
cis-1,2-Dichloroethene	Ave	1.632	1.586	0.1000	24.3	25.0	-2.8	20.0
2-Butanone (MEK)	Ave	0.6280	0.7222	0.1000	144	125	15.0	20.0
Chlorobromomethane	Ave	0.8142	0.8240		25.3	25.0	1.2	20.0
Tetrahydrofuran	Ave	0.4126	0.4330		52.5	50.0	5.0	20.0
Chloroform	Ave	2.526	2.562	0.2000	25.4	25.0	1.4	20.0
1,1,1-Trichloroethane	Ave	2.081	2.395	0.1000	28.8	25.0	15.1	20.0
Cyclohexane	Ave	2.766	3.322	0.1000	30.0	25.0	20.1*	20.0
Carbon tetrachloride	Ave	1.780	2.135	0.1000	30.0	25.0	19.9	20.0
1,1-Dichloropropene	Ave	1.832	1.885		25.7	25.0	2.9	20.0
Benzene	Ave	5.058	5.123	0.5000	25.3	25.0	1.3	20.0
Isobutyl alcohol	Ave	0.0494	0.0514		650	625	4.0	50.0
1,2-Dichloroethane	Ave	2.389	2.574	0.1000	26.9	25.0	7.7	20.0
n-Heptane	Ave	2.475	3.313		33.5	25.0	33.9*	20.0
Trichloroethene	Ave	1.417	1.521	0.2000	26.8	25.0	7.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Lab Sample ID: CCVIS 480-423660/3 Calibration Date: 07/10/2018 09:14

Instrument ID: HP5975T Calib Start Date: 06/25/2018 16:17

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/25/2018 19:02

Lab File ID: T0438.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.346	2.585	0.1000	27.6	25.0	10.2	20.0
1,2-Dichloropropane	Ave	1.452	1.537	0.1000	26.5	25.0	5.8	20.0
1,4-Dioxane	Ave	0.0030	0.0027		456	500	-8.7	50.0
Dibromomethane	Ave	0.8821	0.9035	0.1000	25.6	25.0	2.4	20.0
Bromodichloromethane	Ave	1.691	1.807	0.2000	26.7	25.0	6.9	20.0
2-Chloroethyl vinyl ether	Ave	0.8764	0.8931		25.5	25.0	1.9	20.0
cis-1,3-Dichloropropene	Ave	1.907	1.933	0.2000	25.3	25.0	1.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3114	0.3545	0.1000	142	125	13.8	20.0
Toluene	Ave	0.8466	0.8597	0.4000	25.4	25.0	1.5	20.0
trans-1,3-Dichloropropene	Ave	0.4097	0.4249	0.1000	25.9	25.0	3.7	20.0
Ethyl methacrylate	Ave	0.3198	0.3161		24.7	25.0	-1.1	20.0
1,1,2-Trichloroethane	Ave	0.2335	0.2253	0.1000	24.1	25.0	-3.5	20.0
Tetrachloroethene	Ave	0.3790	0.4029	0.2000	26.6	25.0	6.3	20.0
1,3-Dichloropropane	Ave	0.4719	0.4610		24.4	25.0	-2.3	20.0
2-Hexanone	Ave	0.2144	0.2484	0.1000	145	125	15.8	20.0
Dibromochloromethane	Ave	0.2785	0.3173	0.1000	28.5	25.0	14.0	20.0
1,2-Dibromoethane	Ave	0.2786	0.2884		25.9	25.0	3.5	20.0
Chlorobenzene	Ave	0.9783	1.010	0.5000	25.8	25.0	3.3	20.0
Ethylbenzene	Ave	1.579	1.661	0.1000	26.3	25.0	5.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3247	0.3487		26.8	25.0	7.4	20.0
m,p-Xylene	Ave	0.6208	0.6506	0.1000	26.2	25.0	4.8	20.0
o-Xylene	Ave	0.5992	0.6308	0.3000	26.3	25.0	5.3	20.0
Styrene	Ave	0.999	1.063	0.3000	26.6	25.0	6.4	20.0
Bromoform	Ave	0.1433	0.1577	0.1000	27.5	25.0	10.1	50.0
Isopropylbenzene	Ave	2.791	3.003	0.1000	26.9	25.0	7.6	20.0
Bromobenzene	Ave	0.7584	0.7771		25.6	25.0	2.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5772	0.5677	0.3000	24.6	25.0	-1.6	20.0
N-Propylbenzene	Ave	3.222	3.444		26.7	25.0	6.9	20.0
1,2,3-Trichloropropane	Ave	0.1970	0.2052		26.0	25.0	4.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2360	0.2532		26.8	25.0	7.3	50.0
2-Chlorotoluene	Ave	0.7073	0.7240		25.6	25.0	2.4	20.0
1,3,5-Trimethylbenzene	Ave	2.340	2.527		27.0	25.0	8.0	20.0
4-Chlorotoluene	Ave	2.091	2.188		26.2	25.0	4.7	20.0
tert-Butylbenzene	Ave	0.5548	0.6157		27.7	25.0	11.0	20.0
1,2,4-Trimethylbenzene	Ave	2.431	2.633		27.1	25.0	8.3	20.0
sec-Butylbenzene	Ave	2.969	3.311		27.9	25.0	11.5	20.0
4-Isopropyltoluene	Ave	2.545	2.916		28.6	25.0	14.6	20.0
1,3-Dichlorobenzene	Ave	1.514	1.599	0.6000	26.4	25.0	5.6	20.0
1,4-Dichlorobenzene	Ave	1.580	1.595	0.5000	25.2	25.0	0.9	20.0
n-Butylbenzene	Ave	2.346	2.573		27.4	25.0	9.7	20.0
1,2-Dichlorobenzene	Ave	1.449	1.483	0.4000	25.6	25.0	2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-423660/3 Calibration Date: 07/10/2018 09:14
 Instrument ID: HP5975T Calib Start Date: 06/25/2018 16:17
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/25/2018 19:02
 Lab File ID: T0438.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	0.0784	0.0878	0.0500	28.0	25.0	12.0	50.0
1,2,4-Trichlorobenzene	Ave	1.015	1.029	0.2000	25.4	25.0	1.4	20.0
Hexachlorobutadiene	Ave	0.4505	0.4995		27.7	25.0	10.9	20.0
Naphthalene	Ave	2.179	2.322		26.6	25.0	6.5	20.0
1,2,3-Trichlorobenzene	Ave	0.9707	0.9359		24.1	25.0	-3.6	20.0
Dibromofluoromethane (Surr)	Ave	1.245	1.335		26.8	25.0	7.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.542	1.699		27.5	25.0	10.2	20.0
Toluene-d8 (Surr)	Ave	1.079	1.039		24.1	25.0	-3.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3308	0.3457		26.1	25.0	4.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0438.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 10-Jul-2018 09:14:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ccvis
 Misc. Info.: 480-0072965-003
 Operator ID: ZV Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 18:37:17 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK014

First Level Reviewer: velickovics

Date: 10-Jul-2018 09:38:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	98	178764	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.180	7.180	0.000	88	761412	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.046	9.046	0.000	95	440188	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	91	238653	25.0	26.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	303770	25.0	27.5	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.051	0.000	94	790850	25.0	24.1	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.113	0.000	0	263235	25.0	26.1	
11 Dichlorodifluoromethane	85	1.232	1.232	0.000	98	342051	25.0	37.0	
13 Chloromethane	50	1.398	1.398	0.000	99	459736	25.0	29.2	
14 Vinyl chloride	62	1.481	1.481	0.000	97	355816	25.0	28.5	
151 Butadiene	54	1.491	1.491	0.000	94	412754	25.0	30.7	
15 Bromomethane	94	1.781	1.781	0.000	93	228904	25.0	26.2	
16 Chloroethane	64	1.843	1.843	0.000	96	220903	25.0	28.6	
17 Trichlorofluoromethane	101	2.071	2.071	0.000	61	515528	25.0	33.0	
18 Dichlorofluoromethane	67	2.061	2.061	0.000	94	502040	25.0	27.7	
19 Ethyl ether	59	2.310	2.310	0.000	98	239743	25.0	25.0	
21 Acrolein	56	2.496	2.496	0.000	99	106893	125.0	74.1	
22 1,1-Dichloroethene	96	2.517	2.517	0.000	91	220315	25.0	25.5	
20 1,1,2-Trichloro-1,2,2-trif	101	2.527	2.527	0.000	95	267510	25.0	27.5	
23 Acetone	43	2.641	2.641	0.000	98	535996	125.0	166.2	
24 Iodomethane	142	2.672	2.672	0.000	97	447235	25.0	26.1	
25 Carbon disulfide	76	2.703	2.703	0.000	97	629833	25.0	23.6	
27 3-Chloro-1-propene	41	2.859	2.859	0.000	83	500100	25.0	27.9	
28 Methyl acetate	43	2.900	2.900	0.000	100	392663	50.0	47.5	
30 Methylene Chloride	84	2.994	2.994	0.000	93	248219	25.0	22.3	
31 2-Methyl-2-propanol	59	3.159	3.159	0.000	98	245815	250.0	268.6	
33 Methyl tert-butyl ether	73	3.180	3.180	0.000	96	673226	25.0	25.2	
32 trans-1,2-Dichloroethene	96	3.190	3.190	0.000	92	253996	25.0	26.4	
34 Acrylonitrile	53	3.253	3.253	0.000	98	1028879	250.0	264.8	
35 Hexane	57	3.356	3.356	0.000	95	493222	25.0	27.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.564	3.564	0.000	97	507016	25.0	26.7	
39 Vinyl acetate	43	3.595	3.595	0.000	98	1194139	50.0	63.2	
42 2,2-Dichloropropane	77	3.999	3.999	0.000	85	395077	25.0	29.9	
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	87	283497	25.0	24.3	
44 2-Butanone (MEK)	43	4.051	4.051	0.000	97	645475	125.0	143.7	
47 Chlorobromomethane	128	4.227	4.227	0.000	94	147308	25.0	25.3	
48 Tetrahydrofuran	42	4.237	4.237	0.000	92	154820	50.0	52.5	
50 Chloroform	83	4.289	4.289	0.000	96	457946	25.0	25.4	
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	96	428119	25.0	28.8	
52 Cyclohexane	56	4.382	4.382	0.000	96	593832	25.0	30.0	
53 Carbon tetrachloride	117	4.486	4.486	0.000	97	381627	25.0	30.0	
54 1,1-Dichloropropene	75	4.496	4.496	0.000	84	336965	25.0	25.7	
55 Benzene	78	4.662	4.662	0.000	91	915875	25.0	25.3	
56 Isobutyl alcohol	43	4.672	4.672	0.000	91	229484	625.0	650.1	
57 1,2-Dichloroethane	62	4.724	4.724	0.000	96	460106	25.0	26.9	
59 n-Heptane	43	4.797	4.797	0.000	95	592194	25.0	33.5	
60 Trichloroethene	95	5.149	5.149	0.000	93	271851	25.0	26.8	
62 Methylcyclohexane	83	5.242	5.242	0.000	97	462188	25.0	27.6	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	84	274830	25.0	26.5	
66 1,4-Dioxane	88	5.450	5.450	0.000	39	41283	500.0	456.3	
65 Dibromomethane	93	5.450	5.450	0.000	94	161512	25.0	25.6	
67 Dichlorobromomethane	83	5.564	5.564	0.000	95	323019	25.0	26.7	
69 2-Chloroethyl vinyl ether	63	5.771	5.771	0.000	92	159654	25.0	25.5	
71 cis-1,3-Dichloropropene	75	5.885	5.885	0.000	83	345516	25.0	25.3	
72 4-Methyl-2-pentanone (MIBK)	43	5.988	5.988	0.000	99	1349702	125.0	142.3	
73 Toluene	92	6.102	6.102	0.000	97	654555	25.0	25.4	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	95	323508	25.0	25.9	
77 Ethyl methacrylate	69	6.330	6.330	0.000	94	240713	25.0	24.7	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	95	171521	25.0	24.1	
79 Tetrachloroethene	166	6.507	6.507	0.000	92	306768	25.0	26.6	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	95	351022	25.0	24.4	
81 2-Hexanone	43	6.621	6.621	0.000	99	945547	125.0	144.8	
82 Chlorodibromomethane	129	6.766	6.766	0.000	90	241605	25.0	28.5	
83 Ethylene Dibromide	107	6.849	6.849	0.000	97	219596	25.0	25.9	
86 Chlorobenzene	112	7.201	7.201	0.000	94	769273	25.0	25.8	
88 Ethylbenzene	91	7.253	7.253	0.000	98	1264360	25.0	26.3	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	91	265470	25.0	26.8	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	495402	25.0	26.2	
91 o-Xylene	106	7.667	7.667	0.000	98	480293	25.0	26.3	
92 Styrene	104	7.688	7.688	0.000	95	809485	25.0	26.6	
93 Bromoform	173	7.885	7.885	0.000	94	120078	25.0	27.5	a
95 Isopropylbenzene	105	7.947	7.947	0.000	96	1321825	25.0	26.9	
97 Bromobenzene	156	8.227	8.227	0.000	89	342077	25.0	25.6	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	97	249882	25.0	24.6	
99 N-Propylbenzene	91	8.279	8.279	0.000	99	1515940	25.0	26.7	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	92	90306	25.0	26.0	
101 trans-1,4-Dichloro-2-buten	53	8.299	8.299	0.000	76	111439	25.0	26.8	
105 2-Chlorotoluene	126	8.372	8.372	0.000	96	318691	25.0	25.6	
104 1,3,5-Trimethylbenzene	105	8.424	8.424	0.000	95	1112269	25.0	27.0	
102 4-Chlorotoluene	91	8.465	8.465	0.000	98	963097	25.0	26.2	
106 tert-Butylbenzene	134	8.683	8.683	0.000	94	271021	25.0	27.7	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	98	1158797	25.0	27.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.859	8.859	0.000	95	1457389	25.0	27.9	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	1283804	25.0	28.6	
110 1,3-Dichlorobenzene	146	8.983	8.983	0.000	98	703814	25.0	26.4	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	97	702273	25.0	25.2	
115 n-Butylbenzene	91	9.315	9.315	0.000	98	1132567	25.0	27.4	
116 1,2-Dichlorobenzene	146	9.377	9.377	0.000	97	652826	25.0	25.6	
117 1,2-Dibromo-3-Chloropropan	75	10.040	10.040	0.000	76	38665	25.0	28.0	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	94	453045	25.0	25.4	
120 Hexachlorobutadiene	225	10.797	10.797	0.000	95	219867	25.0	27.7	
121 Naphthalene	128	10.901	10.901	0.000	97	1021924	25.0	26.6	
122 1,2,3-Trichlorobenzene	180	11.097	11.097	0.000	94	411985	25.0	24.1	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00290

Amount Added: 12.50

Units: uL

T_8260_IS_00196

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00173

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180710-72965.b\\T0438.D

Injection Date: 10-Jul-2018 09:14:30

Instrument ID: HP5975T

Operator ID: ZV

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

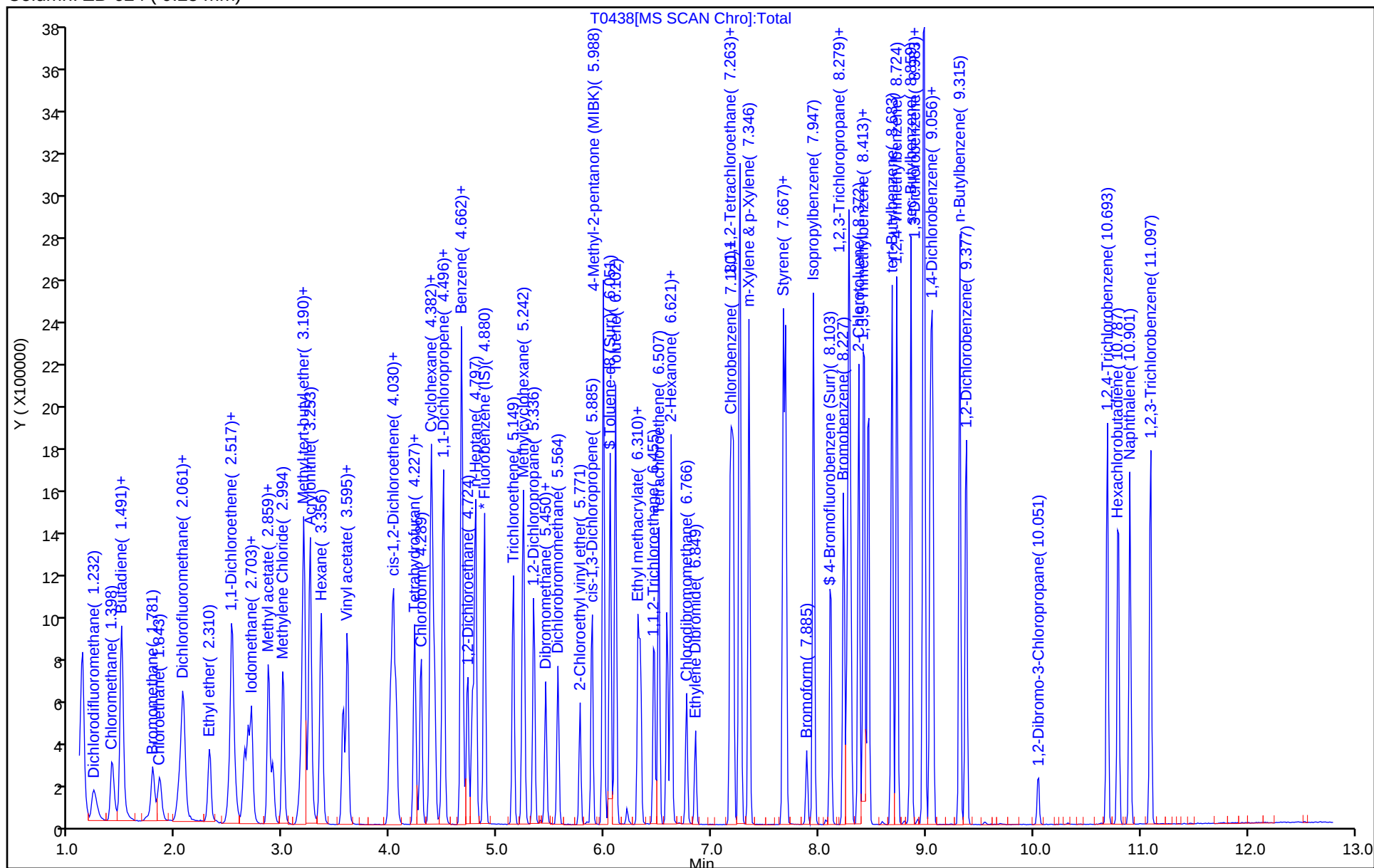
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0438.D

Injection Date: 10-Jul-2018 09:14:30

Instrument ID: HP5975T

Lims ID: CCVIS

Client ID:

Operator ID: ZV

ALS Bottle#:

3

Worklist Smp#: 3

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

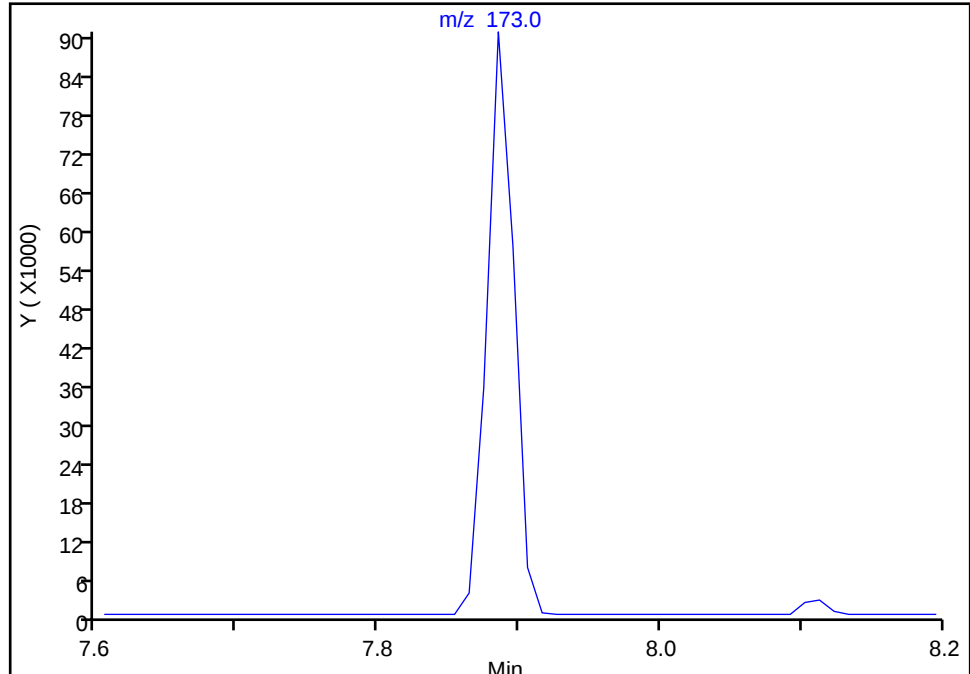
93 Bromoform, CAS: 75-25-2

Signal: 1

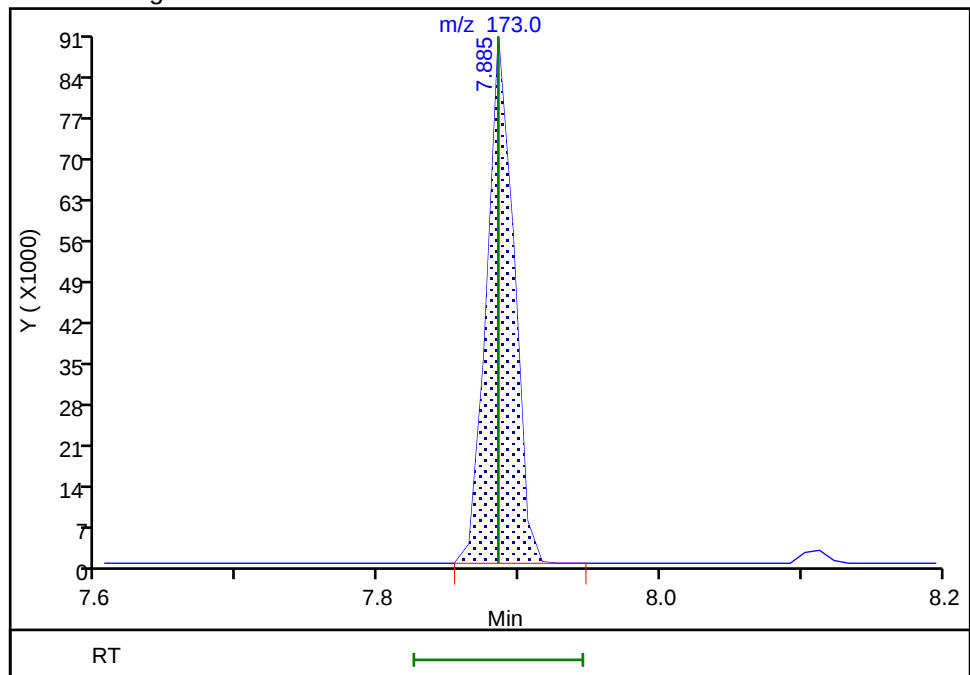
Not Detected

Expected RT: 7.88

Processing Integration Results



Manual Integration Results



Reviewer: velickovics, 10-Jul-2018 09:35:54

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2504.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 20-Jun-2018 12:54:30 ALS Bottle#: 1 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0072482-003
Operator ID: LH/ZV Instrument ID: HP5973S
Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Jun-2018 14:25:32 Calib Date: 20-Jun-2018 20:51:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: HillL

Date: 20-Jun-2018 13:13:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
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\$ 61 BFB	95	3.844	3.844	0.000	0	365310	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00071

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2504.D

Injection Date: 20-Jun-2018 12:54:30

Instrument ID: HP5973S

Lims ID: BFB

Client ID:

Operator ID: LH/ZV

ALS Bottle#: 1 Worklist Smp#: 3

Injection Vol: 1.0 uL

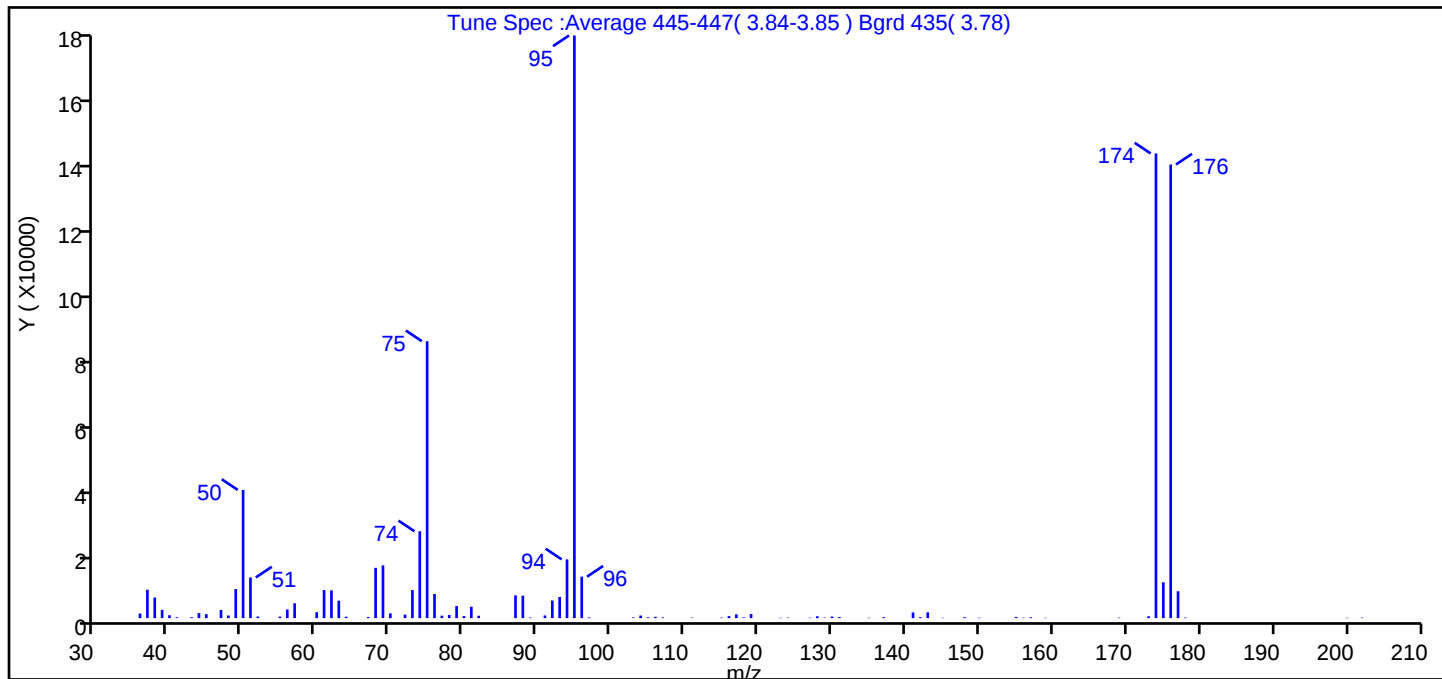
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.0
75	30 to 60% of m/z 95	47.5
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	79.8
175	5 to 9% of m/z 174	6.2 (7.7)
176	Greater than 95% but less than 101% of m/z 174	77.9 (97.6)
177	5 to 9% of m/z 176	4.6 (5.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2504.D\S-8260.rslt\spectra.d
Injection Date: 20-Jun-2018 12:54:30
Spectrum: Tune Spec :Average 445-447(3.84-3.85) Bgrd 435(3.78)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 87

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1407	64.00	431	94.00	17720	135.00	127
37.00	8584	67.00	332	95.00	175744	137.00	293
38.00	6219	68.00	15169	96.00	12510	141.00	1718
39.00	2493	69.00	15927	97.00	220	142.00	276
40.00	882	70.00	1443	103.00	214	143.00	1753
41.00	259	72.00	1061	104.00	774	145.00	120
43.00	272	73.00	8463	105.00	254	148.00	274
44.00	1512	74.00	26200	106.00	401	150.00	143
45.00	1201	75.00	83536	107.00	215	155.00	371
47.00	2483	76.00	7284	111.00	150	156.00	135
48.00	793	77.00	743	115.00	152	157.00	266
49.00	8783	78.00	943	116.00	614	159.00	122
50.00	38672	79.00	3636	117.00	1150	169.00	161
51.00	12273	80.00	618	118.00	217	173.00	560
52.00	492	81.00	3438	119.00	1234	174.00	140160
55.00	464	82.00	722	123.00	123	175.00	10816
56.00	2625	87.00	6872	124.00	134	176.00	136832
57.00	4479	88.00	6780	127.00	144	177.00	8108
60.00	1791	89.00	186	128.00	567	178.00	172
61.00	8484	91.00	806	129.00	141	200.00	119
62.00	8375	92.00	5315	130.00	491	202.00	159
63.00	5273	93.00	6372	131.00	333		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3276.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 09-Jul-2018 18:35:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0072956-001
Operator ID: kn Instrument ID: HP5973S
Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jul-2018 18:49:13 Calib Date: 20-Jun-2018 20:51:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: nowakk

Date: 09-Jul-2018 18:49:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
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\$ 61 BFB	95	3.826	3.826	0.000	0	320164	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00072

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3276.D

Injection Date: 09-Jul-2018 18:35:30

Instrument ID: HP5973S

Lims ID: BFB

Client ID:

Operator ID: kn

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

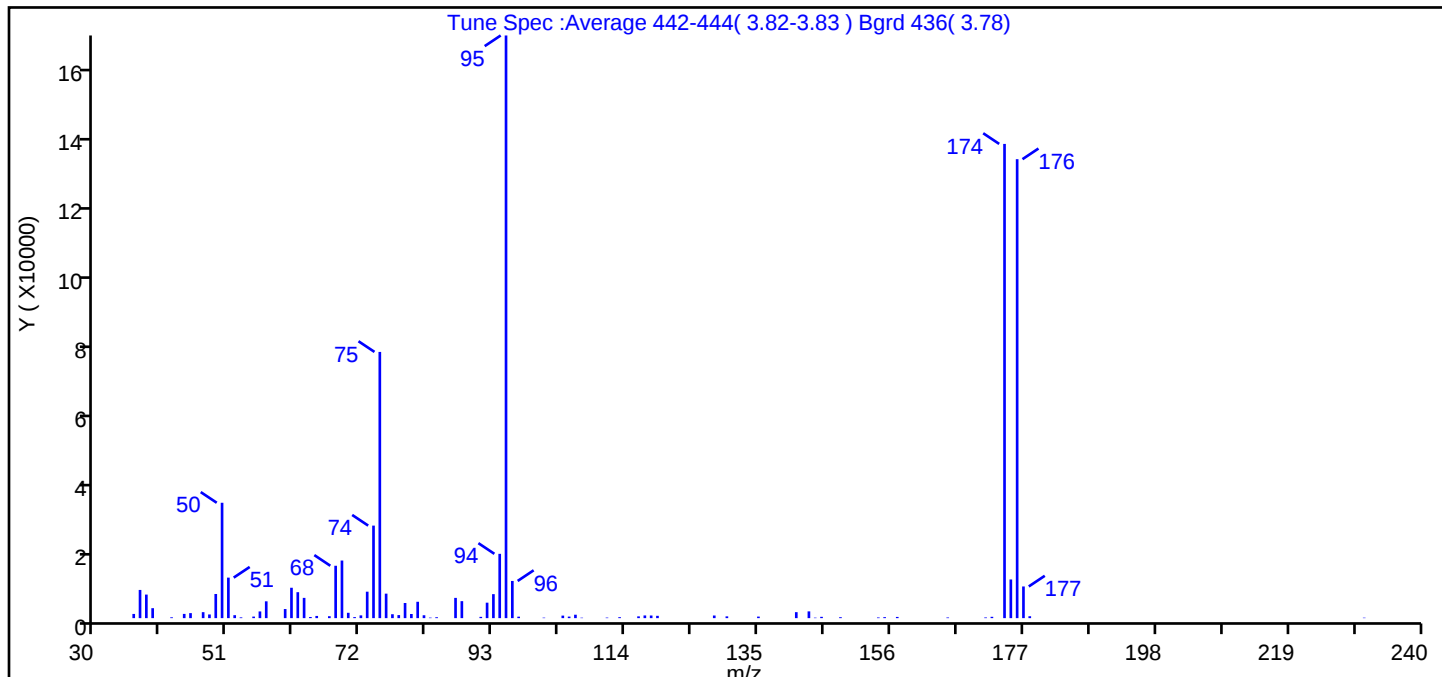
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.8
75	30 to 60% of m/z 95	45.7
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	81.4
175	5 to 9% of m/z 174	6.6 (8.2)
176	Greater than 95% but less than 101% of m/z 174	78.8 (96.8)
177	5 to 9% of m/z 176	5.4 (6.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3276.D\S-8260.rslt\spectra.d
Injection Date: 09-Jul-2018 18:35:30
Spectrum: Tune Spec :Average 442-444(3.82-3.83) Bgrd 436(3.78)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1178	64.00	321	88.00	4753	135.00	435
37.00	7890	65.00	617	91.00	358	141.00	1675
38.00	6592	67.00	542	92.00	4326	143.00	1894
39.00	2788	68.00	14654	93.00	6713	144.00	136
42.00	233	69.00	16116	94.00	17992	145.00	369
44.00	1188	70.00	1496	95.00	163008	148.00	259
45.00	1406	71.00	291	96.00	10402	154.00	188
47.00	1671	72.00	777	97.00	411	155.00	278
48.00	1033	73.00	7400	101.00	138	157.00	339
49.00	6757	74.00	25888	104.00	710	165.00	184
50.00	32280	75.00	74480	105.00	433	171.00	191
51.00	11336	76.00	6853	106.00	958	172.00	375
52.00	829	77.00	1094	107.00	126	174.00	132672
53.00	213	78.00	852	111.00	153	175.00	10819
55.00	435	79.00	4236	113.00	269	176.00	128400
56.00	1876	80.00	1160	116.00	498	177.00	8863
57.00	4710	81.00	4579	117.00	756	178.00	535
60.00	2547	82.00	808	118.00	738	231.00	125
61.00	8504	83.00	145	119.00	650		
62.00	7261	84.00	252	128.00	739		
63.00	5669	87.00	5667	130.00	499		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0002.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 25-Jun-2018 15:30:30 ALS Bottle#: 1 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0072610-005
Operator ID: LH/ZV Instrument ID: HP5975T
Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Jun-2018 16:46:19 Calib Date: 20-Jun-2018 22:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180620-72483.b\T9904.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: HillL

Date: 25-Jun-2018 16:46:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
\$ 5 BFB	95	5.590	5.590	0.000	84	113105	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

BFB_WRK_00071

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0002.D

Injection Date: 25-Jun-2018 15:30:30

Instrument ID: HP5975T

Lims ID: BFB

Client ID:

Operator ID: LH/ZV

ALS Bottle#: 1 Worklist Smp#: 5

Injection Vol: 1.0 uL

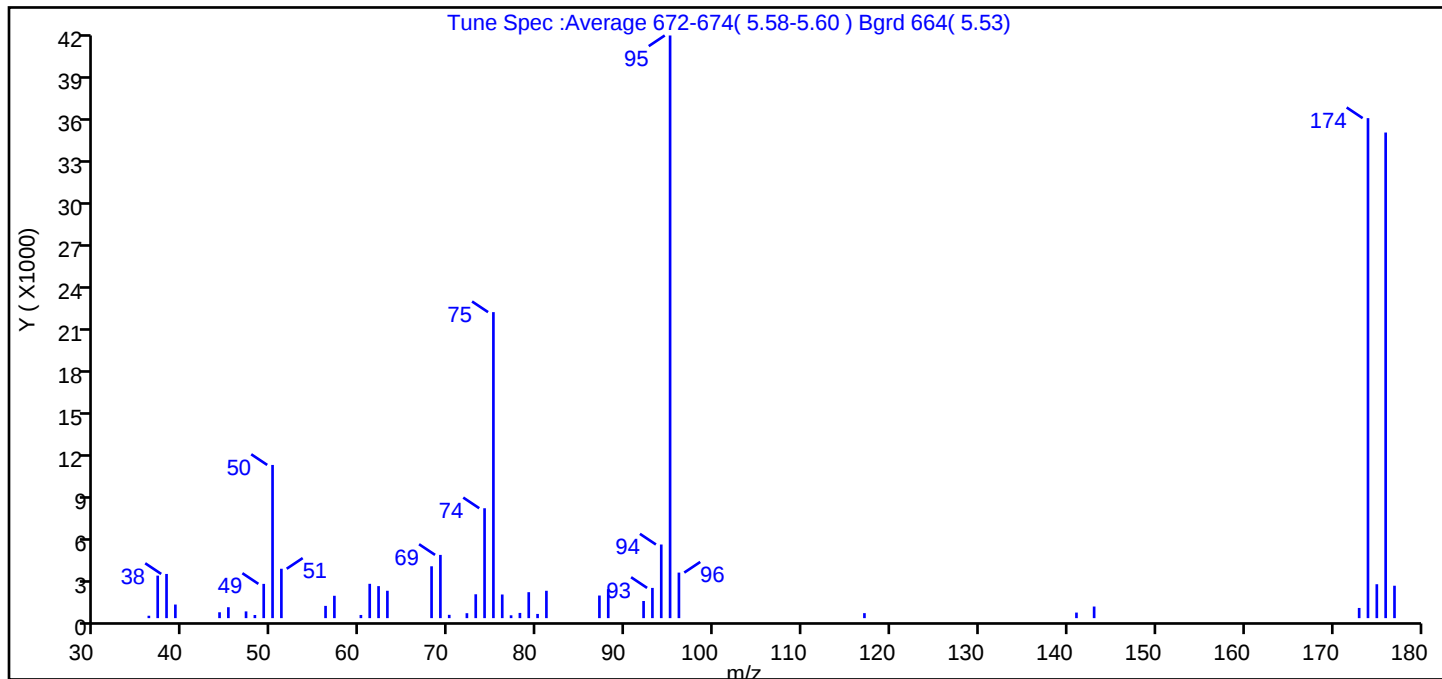
Dil. Factor: 1.0000

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	100.0
50	15 to 40% of m/z 95	26.3
75	30 to 60% of m/z 95	52.5
96	5 to 9% of m/z 95	7.8
173	Less than 2% of m/z 174	1.7 (2.0)
174	50 to 120% of m/z 95	85.8
175	5 to 9% of m/z 174	5.8 (6.8)
176	Greater than 95% but less than 101% of m/z 174	83.3 (97.1)
177	5 to 9% of m/z 176	5.6 (6.7)

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0002.D\T-8260.rslt\spectra.d
Injection Date: 25-Jun-2018 15:30:30
Spectrum: Tune Spec :Average 672-674(5.58-5.60) Bgrd 664(5.53)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	171	57.00	1591	76.00	1682	96.00	3240
37.00	3025	60.00	226	77.00	203	117.00	356
38.00	3144	61.00	2442	78.00	371	141.00	396
39.00	968	62.00	2278	79.00	1847	143.00	826
44.00	418	63.00	1948	80.00	300	173.00	725
45.00	777	68.00	3689	81.00	1947	174.00	35568
47.00	481	69.00	4499	87.00	1609	175.00	2413
48.00	223	70.00	236	88.00	2063	176.00	34544
49.00	2438	72.00	352	92.00	1220	177.00	2306
50.00	10898	73.00	1698	93.00	2151		
51.00	3514	74.00	7818	94.00	5238		
56.00	872	75.00	21768	95.00	41448		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0437.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 10-Jul-2018 08:40:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0072965-002
Operator ID: ZV Instrument ID: HP5975T
Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Jul-2018 18:33:37 Calib Date: 25-Jun-2018 23:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: velickovics

Date: 10-Jul-2018 09:46:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
\$ 5 BFB	95	5.596	5.596	0.000	88	261975	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

BFB_WRK_00071

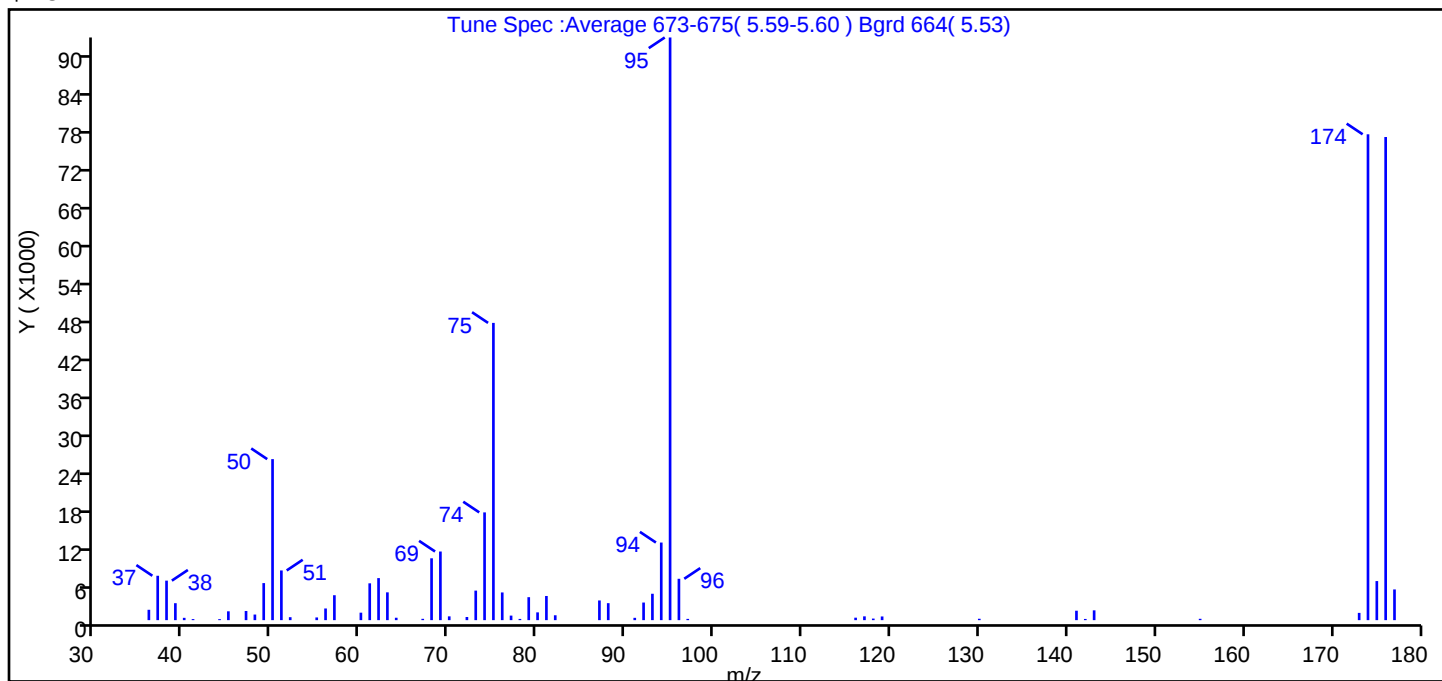
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0437.D
Injection Date: 10-Jul-2018 08:40:30 Instrument ID: HP5975T
Lims ID: BFB
Client ID:
Operator ID: ZV ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL 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	100.0
50	15 to 40% of m/z 95	27.6
75	30 to 60% of m/z 95	51.0
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	1.2 (1.5)
174	50 to 120% of m/z 95	83.4
175	5 to 9% of m/z 174	6.7 (8.0)
176	Greater than 95% but less than 101% of m/z 174	82.9 (99.4)
177	5 to 9% of m/z 176	5.3 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0437.D\T-8260.rslt\spectra.d
Injection Date: 10-Jul-2018 08:40:30
Spectrum: Tune Spec :Average 673-675(5.59-5.60) Bgrd 664(5.53)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1645	56.00	1852	76.00	4397	97.00	199
37.00	7045	57.00	3956	77.00	721	116.00	391
38.00	6271	60.00	1186	78.00	193	117.00	602
39.00	2691	61.00	5844	79.00	3644	118.00	248
40.00	367	62.00	6673	80.00	1235	119.00	584
41.00	167	63.00	4413	81.00	3834	130.00	219
44.00	159	64.00	382	82.00	773	141.00	1496
45.00	1402	67.00	210	87.00	3125	142.00	190
47.00	1453	68.00	9817	88.00	2695	143.00	1557
48.00	889	69.00	10894	91.00	368	155.00	213
49.00	5880	70.00	602	92.00	2794	173.00	1152
50.00	25560	72.00	500	93.00	4189	174.00	77120
51.00	7889	73.00	4687	94.00	12318	175.00	6203
52.00	469	74.00	17104	95.00	92488	176.00	76688
55.00	428	75.00	47184	96.00	6565	177.00	4875

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-423625/6
 Matrix: Water Lab File ID: S3281.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/09/2018 20:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 423625 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-423625/6
 Matrix: Water Lab File ID: S3281.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/09/2018 20:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 423625 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-423625/6
Matrix: Water Lab File ID: S3281.D
Analysis Method: 8260C Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 07/09/2018 20:49
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 423625 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3281.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 09-Jul-2018 20:49:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0072956-006
 Operator ID: kn Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 09:45:47 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: nowakk

Date: 09-Jul-2018 21:11:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	152444	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	315791	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	97	284243	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	62	193512	25.0	26.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	98	130649	25.0	27.4	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.019	0.007	93	779813	25.0	25.4	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	90	237105	25.0	25.1	
10 Dichlorodifluoromethane	85		1.282					ND	
11 Chlorodifluoromethane	51		1.306					ND	
13 Vinyl chloride	62		1.549					ND	
151 Butadiene	54		1.586					ND	
14 Bromomethane	94		1.872					ND	
15 Chloroethane	64		1.975					ND	
17 Trichlorofluoromethane	101		2.194					ND	
16 Dichlorofluoromethane	67		2.200					ND	
18 Ethyl ether	59		2.498					ND	
148 Ethanol	45		2.529					ND	U
19 Propene oxide	58		2.590					ND	
20 Acrolein	56		2.687					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.705					ND	
22 1,1-Dichloroethene	96		2.717					ND	
23 Acetone	43		2.851					ND	
25 Iodomethane	142		2.894					ND	
26 Carbon disulfide	76		2.924					ND	
24 Isopropyl alcohol	45		3.040					ND	
28 3-Chloro-1-propene	41		3.095					ND	
27 Methyl acetate	43		3.149					ND	
29 Acetonitrile	40		3.174					ND	U
31 2-Methyl-2-propanol	59		3.423					ND	
32 Methyl tert-butyl ether	73		3.454					ND	
34 trans-1,2-Dichloroethene	96		3.472					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Acrylonitrile	53		3.539					ND	
35 Hexane	57		3.660					ND	
139 Halothane	117		3.822					ND	
39 1,1-Dichloroethane	63		3.898					ND	
36 Isopropyl ether	45		3.904					ND	
40 2-Chloro-1,3-butadiene	53		3.952					ND	
37 Vinyl acetate	43		3.952					ND	
38 1,1-Dimethoxyethane	75		3.983					ND	
41 Tert-butyl ethyl ether	59		4.244					ND	
44 2,2-Dichloropropane	77		4.415					ND	
45 cis-1,2-Dichloroethene	96		4.457					ND	
43 2-Butanone (MEK)	43		4.494					ND	
42 Ethyl acetate	43		4.524					ND	
46 Propionitrile	54		4.609					ND	
48 Chlorobromomethane	128		4.695					ND	
47 Methacrylonitrile	41		4.713					ND	
49 Tetrahydrofuran	42		4.713					ND	
50 Chloroform	83		4.774					ND	
51 1,1,1-Trichloroethane	97		4.877					ND	
52 Cyclohexane	56		4.883					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.930					ND	
55 Carbon tetrachloride	117		5.017					ND	
54 1,1-Dichloropropene	75		5.029					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.224					ND	
57 Benzene	78		5.236					ND	
53 Isobutyl alcohol	43		5.266					ND	
58 1,2-Dichloroethane	62		5.309					ND	
56 Tert-amyl methyl ether	73		5.315					ND	
147 t-Amyl alcohol	59		5.321					ND	
59 n-Heptane	43		5.406					ND	
1 1,4-Difluorobenzene	114		5.619					ND	
62 Trichloroethene	95		5.850					ND	
60 n-Butanol	56		5.887					ND	
64 Methylcyclohexane	83		5.960					ND	
142 Ethyl acrylate	55		5.978					ND	
65 1,2-Dichloropropane	63		6.094					ND	
63 Methyl methacrylate	41		6.191					ND	
67 Dibromomethane	93		6.234					ND	
66 1,4-Dioxane	88		6.240					ND	
68 Dichlorobromomethane	83		6.386					ND	
70 2-Nitropropane	43		6.647					ND	
69 2-Chloroethyl vinyl ether	63		6.666					ND	
71 Epichlorohydrin	57		6.769					ND	
72 cis-1,3-Dichloropropene	75		6.806					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.946					ND	
74 Toluene	92		7.092					ND	
76 2-Methylthiophene	97		7.225					ND	
77 trans-1,3-Dichloropropene	75		7.377					ND	
78 3-Methylthiophene	97		7.396					ND	
75 Ethyl methacrylate	69		7.414					ND	
79 1,1,2-Trichloroethane	83		7.566					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
81 Tetrachloroethene	166		7.615					ND	
82 1,3-Dichloropropane	76		7.724					ND	
80 2-Hexanone	43		7.791					ND	
155 n-Butyl acetate	43		7.894					ND	
83 Chlorodibromomethane	129		7.961					ND	
84 Ethylene Dibromide	107		8.071					ND	
146 1-Chlorohexane	55		8.485					ND	U
85 3-Chlorobenzotrifluoride	180		8.509					ND	
87 Chlorobenzene	112		8.539					ND	
86 4-Chlorobenzotrifluoride	180		8.570					ND	
88 Ethylbenzene	91		8.631					ND	
89 1,1,1,2-Tetrachloroethane	131		8.643					ND	
90 m-Xylene & p-Xylene	106		8.752					ND	
91 o-Xylene	106		9.178					ND	
92 Styrene	104		9.209					ND	
95 Bromoform	173		9.464					ND	
93 2-Chlorobenzotrifluoride	180		9.488					ND	
94 Isopropylbenzene	105		9.561					ND	
96 Cyclohexanone	55		9.744					ND	
101 Bromobenzene	156		9.908					ND	
97 1,1,2,2-Tetrachloroethane	83		9.969					ND	
99 N-Propylbenzene	91		9.981					ND	
100 1,2,3-Trichloropropane	110		9.999					ND	
98 trans-1,4-Dichloro-2-buten	53		10.012					ND	
103 2-Chlorotoluene	126		10.091					ND	
104 3-Chlorotoluene	126		10.158					ND	
102 1,3,5-Trimethylbenzene	105		10.158					ND	
105 4-Chlorotoluene	126		10.200					ND	
106 tert-Butylbenzene	134		10.480					ND	
107 1,2,4-Trimethylbenzene	105		10.529					ND	
108 Pentachloroethane	167		10.541					ND	
109 sec-Butylbenzene	105		10.687					ND	
110 4-Isopropyltoluene	119		10.821					ND	
111 1,3-Dichlorobenzene	146		10.827					ND	
114 Dicyclopentadiene	66		10.888					ND	
113 1,4-Dichlorobenzene	146		10.912					ND	
112 1,2,3-Trimethylbenzene	105		10.936					ND	
150 Benzyl chloride	126		11.064					ND	
115 n-Butylbenzene	91		11.210					ND	
116 1,2-Dichlorobenzene	146		11.265					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995					ND	
118 1,3,5-Trichlorobenzene	180		12.123					ND	
119 1,2,4-Trichlorobenzene	180		12.664					ND	
120 Hexachlorobutadiene	225		12.767					ND	
121 Naphthalene	128		12.877					ND	
122 1,2,3-Trichlorobenzene	180		13.078					ND	
149 2-Methylnaphthalene	142		13.789					ND	
144 1-Bromopropane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
134 Pentachloroethane 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
143 Propene oxide TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3281.D

Injection Date: 09-Jul-2018 20:49:30

Instrument ID: HP5973S

Operator ID: kn

Lims ID: MB

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

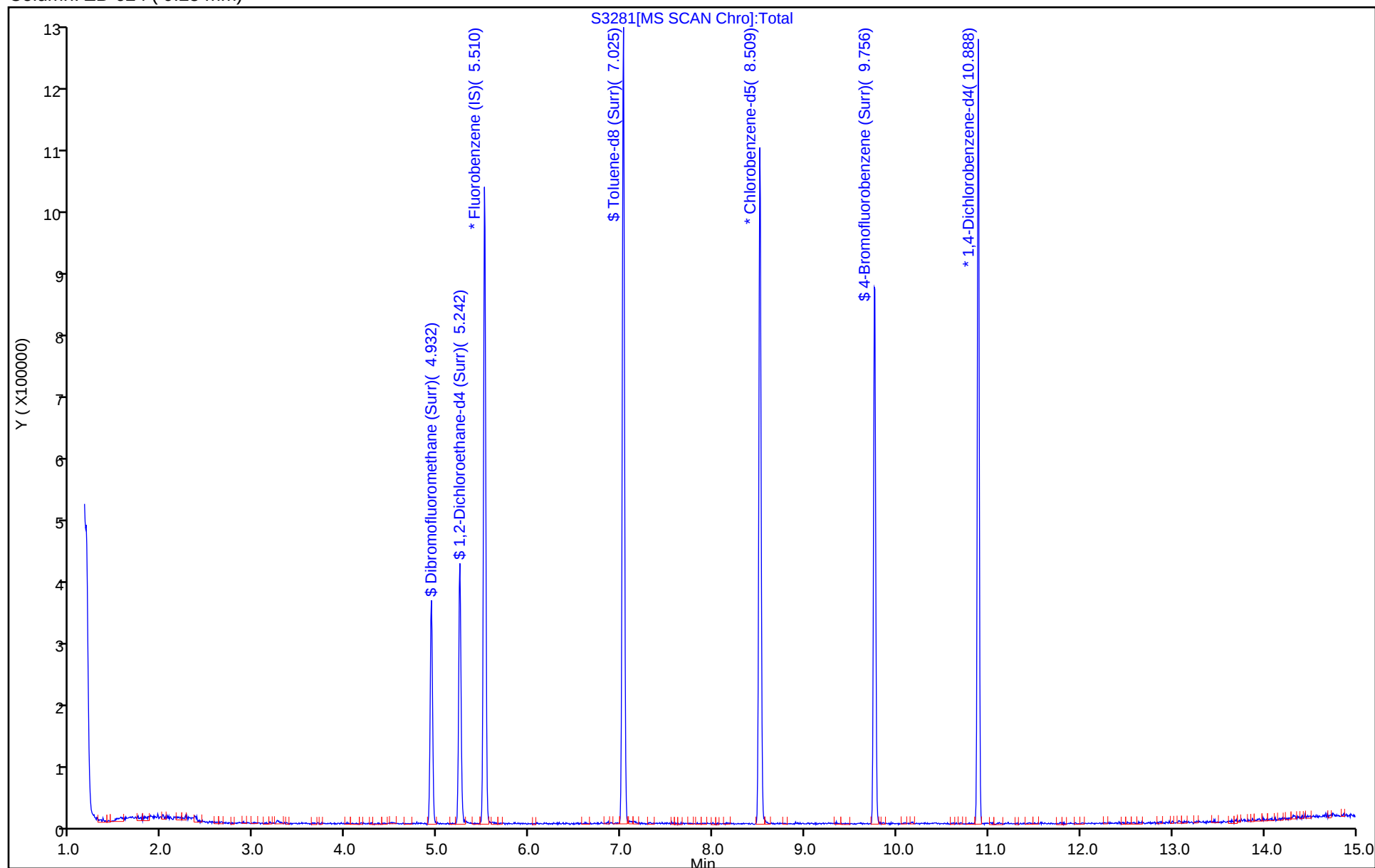
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: S-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.: 480-138526-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-423660/7

Matrix: Water Lab File ID: T0442.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 12:11

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

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

Analysis Batch No.: 423660 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-423660/7

Matrix: Water Lab File ID: T0442.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 12:11

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

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

Analysis Batch No.: 423660 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

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

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-423660/7
Matrix: Water Lab File ID: T0442.D
Analysis Method: 8260C Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 12:11
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 423660 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0442.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 10-Jul-2018 12:11:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: mb
 Misc. Info.: 480-0072965-007
 Operator ID: ZV Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 18:52:17 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK014

First Level Reviewer: milligana

Date: 10-Jul-2018 18:52:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	97	183438	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.180	7.180	0.000	90	747018	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.046	9.046	0.000	97	430891	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	92	241171	25.0	26.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	314933	25.0	27.8	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.051	0.000	95	794297	25.0	24.6	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.113	0.000	0	263734	25.0	26.7	
11 Dichlorodifluoromethane	85		1.232					ND	
13 Chloromethane	50		1.418					ND	
14 Vinyl chloride	62		1.491					ND	
151 Butadiene	54		1.501					ND	
15 Bromomethane	94		1.781					ND	
16 Chloroethane	64		1.854					ND	
17 Trichlorofluoromethane	101		2.061					ND	
18 Dichlorofluoromethane	67		2.071					ND	
148 Ethanol	45		2.320					ND	
19 Ethyl ether	59		2.320					ND	
84 Propene oxide	58		2.413					ND	
21 Acrolein	56		2.496					ND	
22 1,1-Dichloroethene	96		2.538					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.548					ND	
23 Acetone	43		2.641					ND	U
24 Iodomethane	142		2.683					ND	
25 Carbon disulfide	76		2.714					ND	
26 Isopropyl alcohol	45		2.838					ND	
27 3-Chloro-1-propene	41		2.869					ND	
28 Methyl acetate	43		2.911					ND	
29 Acetonitrile	40		2.931					ND	
30 Methylene Chloride	84		3.004					ND	
31 2-Methyl-2-propanol	59		3.159					ND	
33 Methyl tert-butyl ether	73		3.180					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		3.190					ND	
34 Acrylonitrile	53		3.253					ND	
35 Hexane	57		3.356					ND	
36 1,1-Dichloroethane	63		3.564					ND	
37 Isopropyl ether	45		3.574					ND	
39 Vinyl acetate	43		3.595					ND	
38 2-Chloro-1,3-butadiene	53		3.605					ND	
139 Halothane	117		3.605					ND	
40 1,1-Dimethoxyethane	75		3.636					ND	
41 Tert-butyl ethyl ether	59		3.864					ND	
42 2,2-Dichloropropane	77		4.009					ND	
43 cis-1,2-Dichloroethene	96		4.030					ND	
45 Ethyl acetate	43		4.061					ND	
44 2-Butanone (MEK)	43		4.061					ND	
46 Propionitrile	54		4.144					ND	
47 Chlorobromomethane	128		4.227					ND	
49 Methacrylonitrile	41		4.237					ND	
48 Tetrahydrofuran	42		4.237					ND	
50 Chloroform	83		4.289					ND	
51 1,1,1-Trichloroethane	97		4.382					ND	
52 Cyclohexane	56		4.393					ND	
53 Carbon tetrachloride	117		4.496					ND	
54 1,1-Dichloropropene	75		4.496					ND	
152 Isooctane	57		4.652					ND	
56 Isobutyl alcohol	43		4.662					ND	
55 Benzene	78		4.662					ND	
57 1,2-Dichloroethane	62		4.724					ND	
58 Tert-amyl methyl ether	73		4.724					ND	
147 t-Amyl alcohol	59		4.724					ND	
59 n-Heptane	43		4.797					ND	
1 1,4-Difluorobenzene	114		4.963					ND	
141 2,4,4-Trimethyl-1-pentene	55		5.056					ND	
60 Trichloroethene	95		5.149					ND	
61 n-Butanol	56		5.159					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.232					ND	
142 Ethyl acrylate	55		5.242					ND	U
62 Methylcyclohexane	83		5.242					ND	
63 1,2-Dichloropropane	63		5.336					ND	
64 Methyl methacrylate	41		5.398					ND	
66 1,4-Dioxane	88		5.450					ND	
65 Dibromomethane	93		5.450					ND	
67 Dichlorobromomethane	83		5.564					ND	
68 2-Nitropropane	43		5.761					ND	
69 2-Chloroethyl vinyl ether	63		5.771					ND	
70 Epichlorohydrin	57		5.843					ND	
71 cis-1,3-Dichloropropene	75		5.885					ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.989					ND	
73 Toluene	92		6.103					ND	
74 2-Methylthiophene	97		6.206					ND	
75 trans-1,3-Dichloropropene	75		6.310					ND	
77 Ethyl methacrylate	69		6.330					ND	
76 3-Methylthiophene	97		6.331					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 1,1,2-Trichloroethane	83		6.465					ND	
79 Tetrachloroethene	166		6.507					ND	
80 1,3-Dichloropropane	76		6.579					ND	
81 2-Hexanone	43		6.621					ND	
155 n-Butyl acetate	43		6.693					ND	
82 Chlorodibromomethane	129		6.766					ND	
83 Ethylene Dibromide	107		6.849					ND	
146 1-Chlorohexane	55		7.149					ND	
85 3-Chlorobenzotrifluoride	180		7.160					ND	
87 4-Chlorobenzotrifluoride	180		7.201					ND	
86 Chlorobenzene	112		7.201					ND	
88 Ethylbenzene	91		7.253					ND	
89 1,1,1,2-Tetrachloroethane	131		7.263					ND	
90 m-Xylene & p-Xylene	106		7.346					ND	
91 o-Xylene	106		7.667					ND	
92 Styrene	104		7.688					ND	
93 Bromoform	173		7.885					ND	
94 2-Chlorobenzotrifluoride	180		7.895					ND	
95 Isopropylbenzene	105		7.947					ND	
96 Cyclohexanone	55		8.092					ND	U
97 Bromobenzene	156		8.227					ND	
98 1,1,2,2-Tetrachloroethane	83		8.258					ND	
99 N-Propylbenzene	91		8.279					ND	
101 trans-1,4-Dichloro-2-buten	53		8.299					ND	
100 1,2,3-Trichloropropane	110		8.299					ND	
105 2-Chlorotoluene	126		8.372					ND	
104 1,3,5-Trimethylbenzene	105		8.413					ND	
103 3-Chlorotoluene	126		8.424					ND	
102 4-Chlorotoluene	91		8.465					ND	
106 tert-Butylbenzene	134		8.683					ND	
107 1,2,4-Trimethylbenzene	105		8.724					ND	
108 Pentachloroethane	167		8.745					ND	
109 sec-Butylbenzene	105		8.859					ND	
111 4-Isopropyltoluene	119		8.973					ND	
110 1,3-Dichlorobenzene	146		8.983					ND	
112 Dicyclopentadiene	66		9.035					ND	U
114 1,2,3-Trimethylbenzene	105		9.077					ND	
150 Benzyl chloride	126		9.191					ND	
115 n-Butylbenzene	91		9.315					ND	
116 1,2-Dichlorobenzene	146		9.377					ND	
117 1,2-Dibromo-3-Chloropropan	75		10.051					ND	
118 1,3,5-Trichlorobenzene	180		10.165					ND	
119 1,2,4-Trichlorobenzene	180		10.693					ND	
120 Hexachlorobutadiene	225		10.797					ND	
121 Naphthalene	128		10.901					ND	
122 1,2,3-Trichlorobenzene	180		11.097					ND	
149 2-Methylnaphthalene	142		11.771					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	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
136 Nitrobenzene	77		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	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		1.500					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 133 Pentachloroethane TIC	1		0.000					ND	
T 134 1-Bromopropane	1		0.000					ND	
T 131 tert-amyl alcohol TIC	1		0.000					ND	
T 127 Ethanol TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 10 Ethylene oxide	1		0.000					ND	
T 132 bis(chloromethyl)ether TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_IS_00196

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00173

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0442.D

Injection Date: 10-Jul-2018 12:11:30

Instrument ID: HP5975T

Operator ID: ZV

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

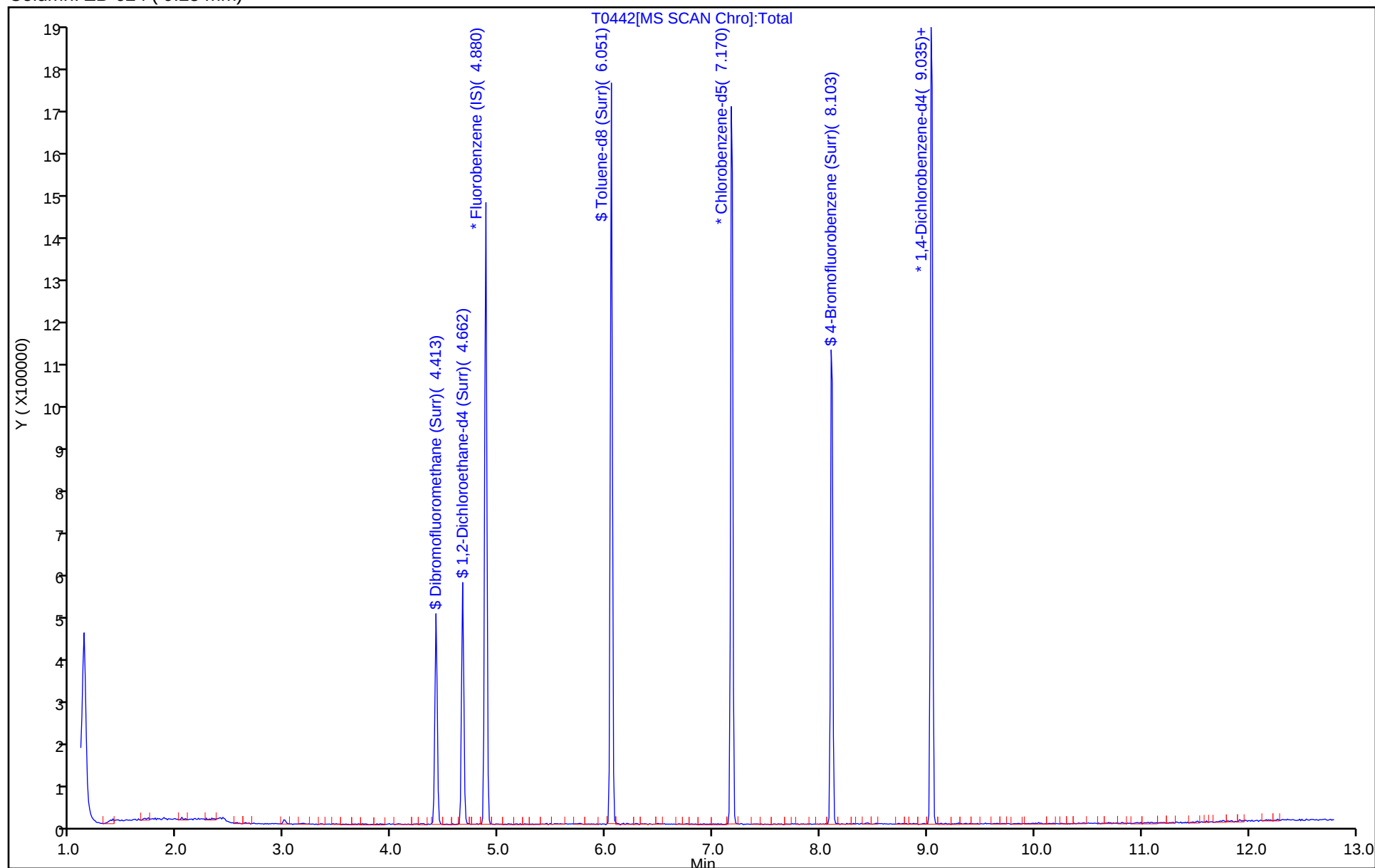
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0442.D

Injection Date: 10-Jul-2018 12:11:30

Instrument ID: HP5975T

Lims ID: MB

Client ID:

Operator ID: ZV

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

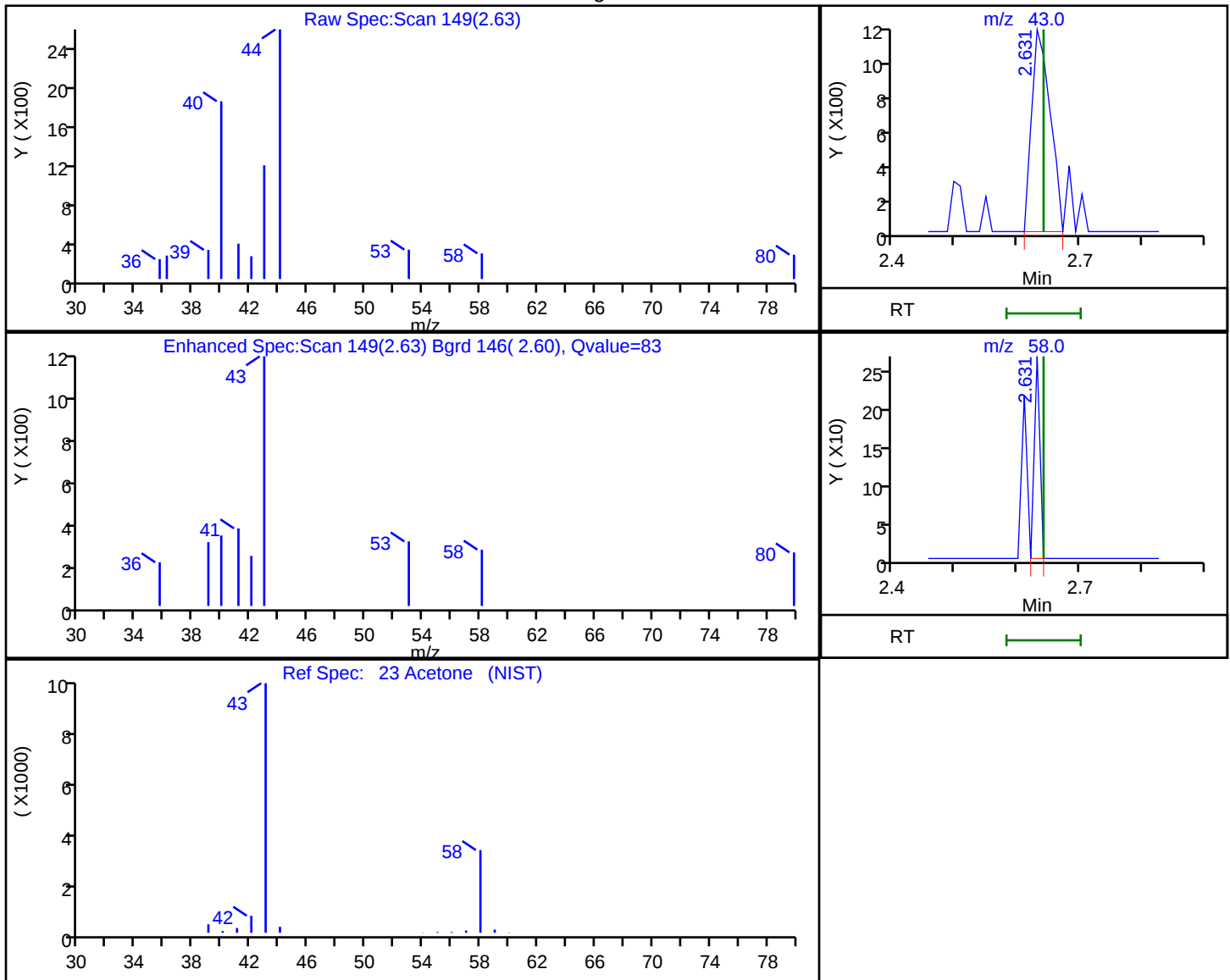
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.63	43.00	2411	0.728362
2.63	58.00	163	

Reviewer: milligana, 10-Jul-2018 18:48:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-423625/4

Matrix: Water Lab File ID: S3279.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/09/2018 19:50

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

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

Analysis Batch No.: 423625 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	28.2		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.7		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	31.9		1.0	0.31
75-34-3	1,1-Dichloroethane	27.1		1.0	0.38
75-35-4	1,1-Dichloroethene	29.5		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.6		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	27.3		1.0	0.39
95-50-1	1,2-Dichlorobenzene	26.4		1.0	0.79
107-06-2	1,2-Dichloroethane	25.9		1.0	0.21
78-87-5	1,2-Dichloropropane	25.9		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.1		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.6		1.0	0.84
78-93-3	2-Butanone (MEK)	143		10	1.3
591-78-6	2-Hexanone	140		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	137		5.0	2.1
67-64-1	Acetone	130		10	3.0
71-43-2	Benzene	27.0		1.0	0.41
75-27-4	Bromodichloromethane	28.2		1.0	0.39
75-25-2	Bromoform	29.2		1.0	0.26
74-83-9	Bromomethane	26.4		1.0	0.69
75-15-0	Carbon disulfide	27.5		1.0	0.19
56-23-5	Carbon tetrachloride	30.8		1.0	0.27
108-90-7	Chlorobenzene	27.1		1.0	0.75
124-48-1	Dibromochloromethane	29.4		1.0	0.32
75-00-3	Chloroethane	26.3		1.0	0.32
67-66-3	Chloroform	25.7		1.0	0.34
74-87-3	Chloromethane	25.8		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.5		1.0	0.36
110-82-7	Cyclohexane	31.3		1.0	0.18
75-71-8	Dichlorodifluoromethane	28.1		1.0	0.68
100-41-4	Ethylbenzene	28.2		1.0	0.74
106-93-4	1,2-Dibromoethane	27.1		1.0	0.73
98-82-8	Isopropylbenzene	27.8		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-423625/4

Matrix: Water Lab File ID: S3279.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/09/2018 19:50

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

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

Analysis Batch No.: 423625 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	47.1		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.6		1.0	0.16
108-87-2	Methylcyclohexane	30.3		1.0	0.16
75-09-2	Methylene Chloride	25.7		1.0	0.44
100-42-5	Styrene	27.8		1.0	0.73
127-18-4	Tetrachloroethene	28.6		1.0	0.36
108-88-3	Toluene	27.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.9		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	27.9		1.0	0.37
79-01-6	Trichloroethene	26.9		1.0	0.46
75-69-4	Trichlorofluoromethane	28.2		1.0	0.88
75-01-4	Vinyl chloride	27.2		1.0	0.90
1330-20-7	Xylenes, Total	54.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3279.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 09-Jul-2018 19:50:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0072956-004
 Operator ID: kn Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 09:43:35 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: nowakk

Date: 09-Jul-2018 20:10:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.516	5.510	0.006	98	164292	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	325317	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	307873	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	67	199720	25.0	25.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	56	130713	25.0	25.4	
\$ 5 Toluene-d8 (Surr)	98	7.024	7.019	0.006	90	812194	25.0	25.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	244906	25.0	25.2	
10 Dichlorodifluoromethane	85	1.288	1.282	0.006	96	222727	25.0	28.1	
12 Chloromethane	50	1.464	1.470	-0.006	98	324797	25.0	25.8	
13 Vinyl chloride	62	1.549	1.549	0.000	94	304057	25.0	27.2	
151 Butadiene	54	1.580	1.586	-0.006	84	332018	25.0	28.5	
14 Bromomethane	94	1.878	1.872	0.006	90	157902	25.0	26.4	
15 Chloroethane	64	1.981	1.975	0.006	97	177640	25.0	26.3	
17 Trichlorofluoromethane	101	2.200	2.194	0.006	78	299059	25.0	28.2	
16 Dichlorofluoromethane	67	2.200	2.200	0.000	96	357613	25.0	24.1	
18 Ethyl ether	59	2.498	2.498	0.000	93	251384	25.0	26.7	
20 Acrolein	56	2.693	2.687	0.006	82	112996	125.0	62.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.705	2.705	0.000	92	205847	25.0	31.9	
22 1,1-Dichloroethene	96	2.729	2.717	0.012	92	214424	25.0	29.5	
23 Acetone	43	2.851	2.851	0.000	98	410570	125.0	129.9	
25 Iodomethane	142	2.900	2.894	0.006	96	323255	25.0	30.5	
26 Carbon disulfide	76	2.924	2.924	0.000	98	637303	25.0	27.5	
28 3-Chloro-1-propene	41	3.095	3.095	-0.001	88	349644	25.0	24.9	
27 Methyl acetate	43	3.149	3.149	0.000	94	390538	50.0	47.1	
30 Methylene Chloride	84	3.259	3.259	0.000	95	245823	25.0	25.7	
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	94	219415	250.0	204.9	
32 Methyl tert-butyl ether	73	3.453	3.454	-0.001	91	697082	25.0	25.6	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	92	223508	25.0	26.9	
33 Acrylonitrile	53	3.545	3.539	0.006	99	1170400	250.0	265.3	
35 Hexane	57	3.660	3.660	0.000	83	457729	25.0	29.9	
39 1,1-Dichloroethane	63	3.898	3.898	0.000	95	474630	25.0	27.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.952	3.952	0.000	97	1142038	50.0	56.6	
44 2,2-Dichloropropane	77	4.421	4.415	0.006	93	268318	25.0	27.7	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	80	257988	25.0	27.0	
43 2-Butanone (MEK)	43	4.500	4.494	0.006	94	692332	125.0	142.6	
48 Chlorobromomethane	128	4.694	4.695	-0.001	95	125622	25.0	27.5	
49 Tetrahydrofuran	42	4.713	4.713	0.000	90	180539	50.0	54.1	M
50 Chloroform	83	4.774	4.774	0.000	93	392461	25.0	25.7	
51 1,1,1-Trichloroethane	97	4.883	4.877	0.006	88	314970	25.0	27.7	
52 Cyclohexane	56	4.883	4.883	0.000	90	479008	25.0	31.3	
55 Carbon tetrachloride	117	5.017	5.017	0.000	89	293250	25.0	30.8	
54 1,1-Dichloropropene	75	5.035	5.029	0.006	94	314026	25.0	27.1	
57 Benzene	78	5.242	5.236	0.006	96	941679	25.0	27.0	
53 Isobutyl alcohol	43	5.266	5.266	0.000	94	317900	625.0	705.1	
58 1,2-Dichloroethane	62	5.315	5.309	0.006	78	364419	25.0	25.9	
59 n-Heptane	43	5.412	5.406	0.006	91	454892	25.0	31.9	a
62 Trichloroethene	95	5.850	5.850	0.000	96	242076	25.0	26.9	
64 Methylcyclohexane	83	5.966	5.960	0.006	92	414896	25.0	30.3	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	97	272713	25.0	25.9	
67 Dibromomethane	93	6.234	6.234	0.000	91	151745	25.0	27.6	
66 1,4-Dioxane	88	6.240	6.240	0.000	39	62970	500.0	865.1	
68 Dichlorobromomethane	83	6.392	6.386	0.006	98	298415	25.0	28.2	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	91	185163	25.0	26.4	
72 cis-1,3-Dichloropropene	75	6.805	6.806	-0.001	88	352273	25.0	26.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.951	6.946	0.005	94	1422100	125.0	136.9	
74 Toluene	92	7.091	7.092	-0.001	94	590927	25.0	27.3	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	95	331918	25.0	27.9	
75 Ethyl methacrylate	69	7.414	7.414	0.000	85	326449	25.0	28.0	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	93	173850	25.0	26.7	
81 Tetrachloroethene	166	7.615	7.615	0.000	87	261222	25.0	28.6	
82 1,3-Dichloropropane	76	7.730	7.724	0.006	93	378896	25.0	27.6	
80 2-Hexanone	43	7.791	7.791	0.000	90	1071284	125.0	140.1	
83 Chlorodibromomethane	129	7.967	7.961	0.006	89	217643	25.0	29.4	
84 Ethylene Dibromide	107	8.071	8.071	0.000	98	222537	25.0	27.1	
87 Chlorobenzene	112	8.539	8.539	0.000	93	641468	25.0	27.1	
88 Ethylbenzene	91	8.631	8.631	0.000	99	1099799	25.0	28.2	
89 1,1,1,2-Tetrachloroethane	131	8.637	8.643	-0.006	47	213874	25.0	27.9	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	99	430417	25.0	27.1	
91 o-Xylene	106	9.178	9.178	0.000	97	414263	25.0	27.5	
92 Styrene	104	9.208	9.208	-0.001	93	717459	25.0	27.8	M
95 Bromoform	173	9.464	9.464	0.000	96	137992	25.0	29.2	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	1079909	25.0	27.8	
101 Bromobenzene	156	9.908	9.908	0.000	95	268046	25.0	27.3	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	72	297155	25.0	28.2	
99 N-Propylbenzene	91	9.981	9.981	0.000	92	1272420	25.0	28.3	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	73	94984	25.0	27.4	
98 trans-1,4-Dichloro-2-buten	53	10.018	10.012	0.006	70	80480	25.0	21.5	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	254682	25.0	26.3	
102 1,3,5-Trimethylbenzene	105	10.158	10.158	0.000	76	905137	25.0	26.9	
105 4-Chlorotoluene	126	10.200	10.200	0.000	80	272029	25.0	27.4	
106 tert-Butylbenzene	134	10.474	10.480	-0.006	92	200705	25.0	28.0	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	77	922890	25.0	26.8	
109 sec-Butylbenzene	105	10.687	10.687	0.000	93	1158711	25.0	28.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	10.827	10.821	0.006	96	1005901	25.0	28.9	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	70	497796	25.0	26.1	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	92	517845	25.0	26.6	
115 n-Butylbenzene	91	11.210	11.210	0.000	97	899612	25.0	28.7	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	93	495713	25.0	26.4	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	76	55848	25.0	27.3	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	92	355964	25.0	26.6	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	98	188115	25.0	29.5	
121 Naphthalene	128	12.877	12.877	0.000	97	982284	25.0	26.9	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	94	339879	25.0	27.6	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00290

Amount Added: 12.50

Units: uL

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180709-72956.b\\S3279.D

Injection Date: 09-Jul-2018 19:50:30

Instrument ID: HP5973S

Operator ID: kn

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

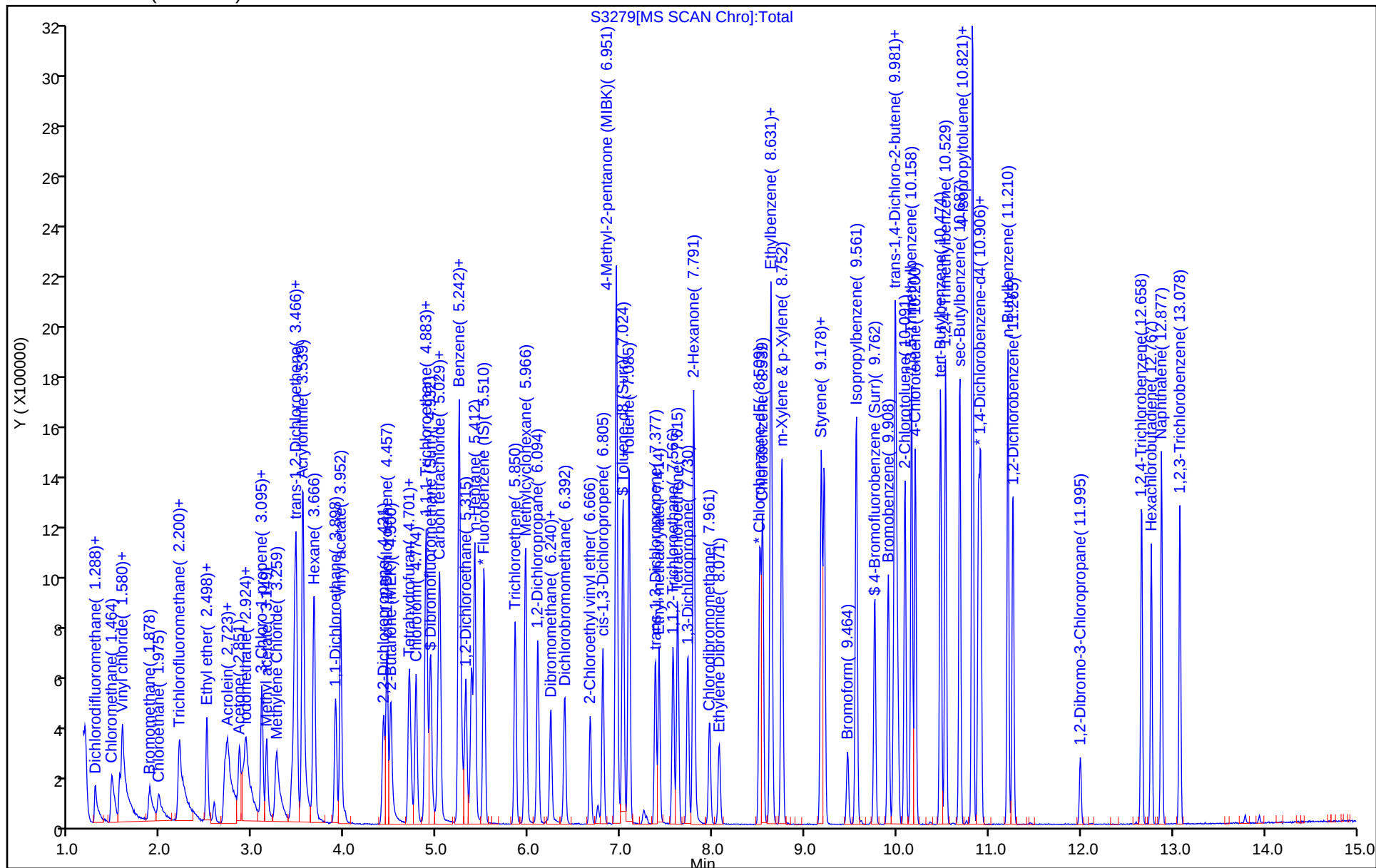
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3279.D

Injection Date: 09-Jul-2018 19:50:30

Instrument ID: HP5973S

Lims ID: LCS

Client ID:

Operator ID: kn

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

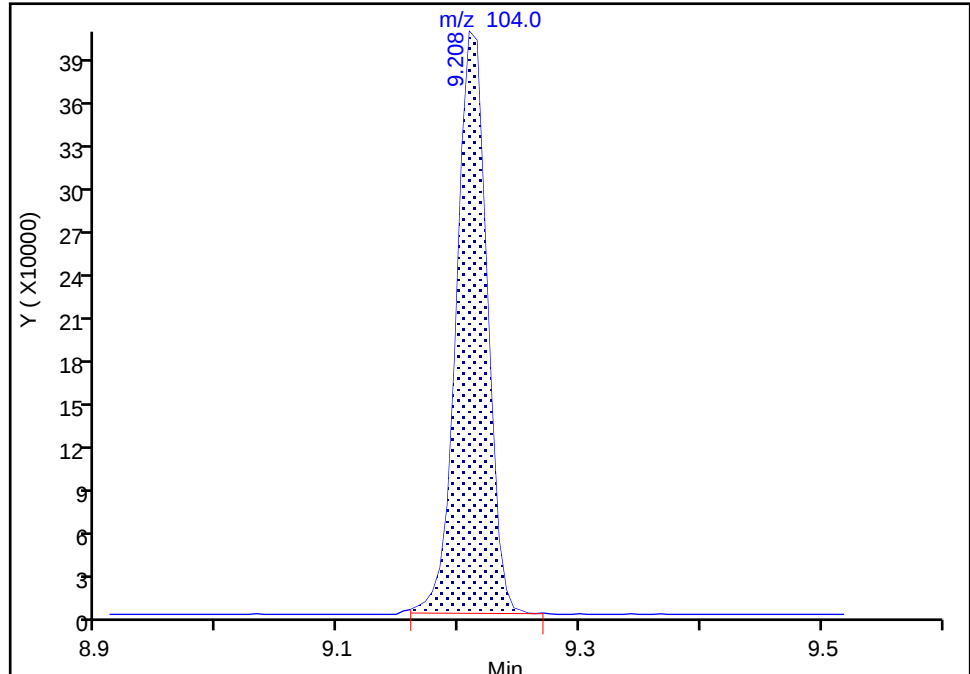
Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Signal: 1

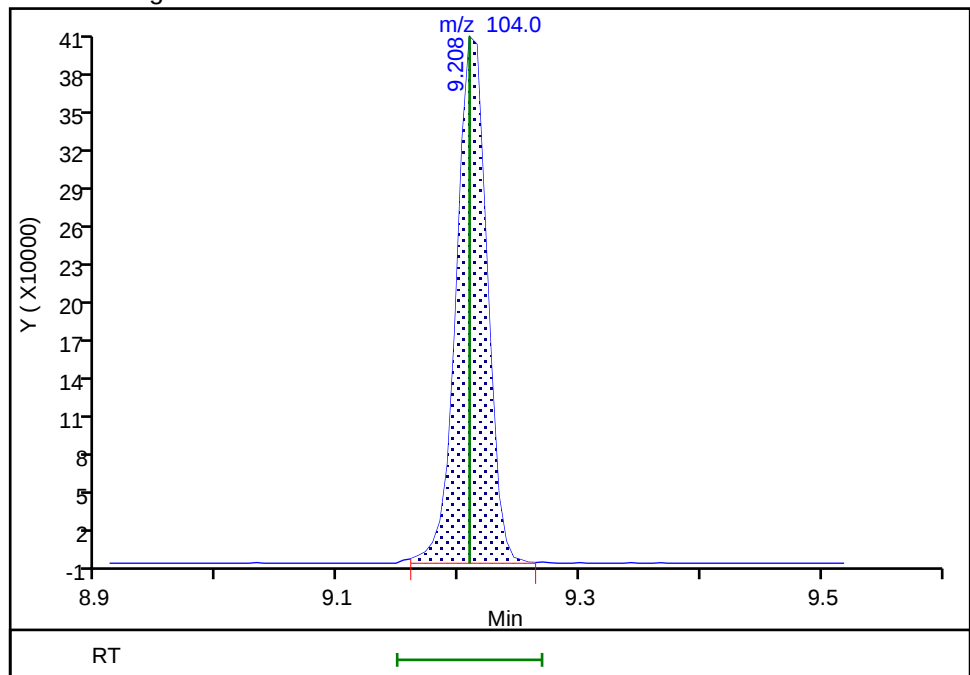
RT: 9.21
Area: 712737
Amount: 27.597549
Amount Units: ug/L

Processing Integration Results



RT: 9.21
Area: 717459
Amount: 27.780387
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 10-Jul-2018 09:42:19

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-423660/5

Matrix: Water Lab File ID: T0440.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 10:18

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

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

Analysis Batch No.: 423660 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.5		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.8		1.0	0.21
79-00-5	1,1,2-Trichloroethane	24.0		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.2		1.0	0.31
75-34-3	1,1-Dichloroethane	24.3		1.0	0.38
75-35-4	1,1-Dichloroethene	20.6		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	24.3		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	29.6		1.0	0.39
95-50-1	1,2-Dichlorobenzene	25.0		1.0	0.79
107-06-2	1,2-Dichloroethane	26.5		1.0	0.21
78-87-5	1,2-Dichloropropane	25.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.0		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.2		1.0	0.84
78-93-3	2-Butanone (MEK)	142		10	1.3
591-78-6	2-Hexanone	145		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	143		5.0	2.1
67-64-1	Acetone	165		10	3.0
71-43-2	Benzene	23.3		1.0	0.41
75-27-4	Bromodichloromethane	26.0		1.0	0.39
75-25-2	Bromoform	28.3		1.0	0.26
74-83-9	Bromomethane	23.5		1.0	0.69
75-15-0	Carbon disulfide	19.3		1.0	0.19
56-23-5	Carbon tetrachloride	25.0		1.0	0.27
108-90-7	Chlorobenzene	23.8		1.0	0.75
124-48-1	Dibromochloromethane	28.4		1.0	0.32
75-00-3	Chloroethane	24.1		1.0	0.32
67-66-3	Chloroform	23.3		1.0	0.34
74-87-3	Chloromethane	24.4		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	22.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.7		1.0	0.36
110-82-7	Cyclohexane	23.8		1.0	0.18
75-71-8	Dichlorodifluoromethane	26.9		1.0	0.68
100-41-4	Ethylbenzene	23.4		1.0	0.74
106-93-4	1,2-Dibromoethane	26.2		1.0	0.73
98-82-8	Isopropylbenzene	23.2		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-423660/5

Matrix: Water Lab File ID: T0440.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 10:18

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

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

Analysis Batch No.: 423660 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	48.8		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.2		1.0	0.16
108-87-2	Methylcyclohexane	21.4		1.0	0.16
75-09-2	Methylene Chloride	21.5		1.0	0.44
100-42-5	Styrene	25.5		1.0	0.73
127-18-4	Tetrachloroethene	22.5		1.0	0.36
108-88-3	Toluene	22.6		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.4		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.3		1.0	0.37
79-01-6	Trichloroethene	22.9		1.0	0.46
75-69-4	Trichlorofluoromethane	26.4		1.0	0.88
75-01-4	Vinyl chloride	22.2		1.0	0.90
1330-20-7	Xylenes, Total	48.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0440.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 10-Jul-2018 10:18:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: lcs
 Misc. Info.: 480-0072965-005
 Operator ID: ZV Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 18:41:25 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK014

First Level Reviewer: velickovics

Date: 10-Jul-2018 11:58:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	98	178010	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.180	7.180	0.000	89	770074	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.046	9.046	0.000	96	447590	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	91	237738	25.0	26.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	310291	25.0	28.3	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.051	0.000	95	811754	25.0	24.4	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.113	0.000	0	270760	25.0	26.6	
11 Dichlorodifluoromethane	85	1.232	1.232	0.000	98	248090	25.0	26.9	
13 Chloromethane	50	1.408	1.398	0.010	99	381877	25.0	24.4	
14 Vinyl chloride	62	1.491	1.481	0.010	77	276395	25.0	22.2	
151 Butadiene	54	1.501	1.491	0.010	91	310066	25.0	23.1	
15 Bromomethane	94	1.792	1.781	0.011	93	204326	25.0	23.5	
16 Chloroethane	64	1.854	1.843	0.011	97	185513	25.0	24.1	
18 Dichlorofluoromethane	67	2.071	2.061	0.010	94	435908	25.0	24.1	
17 Trichlorofluoromethane	101	2.061	2.071	-0.010	60	409855	25.0	26.4	
19 Ethyl ether	59	2.310	2.310	0.000	98	233935	25.0	24.5	
21 Acrolein	56	2.496	2.496	0.000	98	102250	125.0	71.1	
22 1,1-Dichloroethene	96	2.527	2.517	0.010	92	177070	25.0	20.6	
20 1,1,2-Trichloro-1,2,2-trif	101	2.538	2.527	0.011	95	205362	25.0	21.2	
23 Acetone	43	2.641	2.641	0.000	97	529288	125.0	164.8	
24 Iodomethane	142	2.672	2.672	0.000	98	403081	25.0	23.6	
25 Carbon disulfide	76	2.703	2.703	0.000	98	512422	25.0	19.3	
27 3-Chloro-1-propene	41	2.859	2.859	0.000	83	448003	25.0	25.1	
28 Methyl acetate	43	2.900	2.900	0.000	100	401717	50.0	48.8	
30 Methylene Chloride	84	3.004	2.994	0.010	92	238439	25.0	21.5	
31 2-Methyl-2-propanol	59	3.159	3.159	0.000	98	232447	250.0	255.1	
33 Methyl tert-butyl ether	73	3.191	3.180	0.011	96	668884	25.0	25.2	
32 trans-1,2-Dichloroethene	96	3.201	3.190	0.011	92	224182	25.0	23.4	
34 Acrylonitrile	53	3.253	3.253	0.000	98	1001144	250.0	258.7	
35 Hexane	57	3.356	3.356	0.000	95	384272	25.0	21.9	
36 1,1-Dichloroethane	63	3.564	3.564	0.000	97	460368	25.0	24.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.595	3.595	0.000	97	1169819	50.0	62.2	
42 2,2-Dichloropropane	77	4.009	3.999	0.010	85	332227	25.0	25.2	
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	88	256467	25.0	22.1	
44 2-Butanone (MEK)	43	4.051	4.051	0.000	97	635221	125.0	142.1	
47 Chlorobromomethane	128	4.227	4.227	0.000	93	147863	25.0	25.5	
48 Tetrahydrofuran	42	4.237	4.237	0.000	91	154478	50.0	52.6	
50 Chloroform	83	4.289	4.289	0.000	96	419247	25.0	23.3	
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	98	362606	25.0	24.5	
52 Cyclohexane	56	4.382	4.382	0.000	96	468519	25.0	23.8	
53 Carbon tetrachloride	117	4.496	4.486	0.010	86	317150	25.0	25.0	
54 1,1-Dichloropropene	75	4.496	4.496	0.000	82	271636	25.0	20.8	
55 Benzene	78	4.662	4.662	0.000	92	837931	25.0	23.3	
56 Isobutyl alcohol	43	4.672	4.672	0.000	91	239494	625.0	681.3	
57 1,2-Dichloroethane	62	4.724	4.724	0.000	96	451507	25.0	26.5	
59 n-Heptane	43	4.797	4.797	0.000	92	464101	25.0	26.3	a
60 Trichloroethene	95	5.149	5.149	0.000	92	230830	25.0	22.9	
62 Methylcyclohexane	83	5.242	5.242	0.000	96	357856	25.0	21.4	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	86	266729	25.0	25.8	
66 1,4-Dioxane	88	5.450	5.450	0.000	39	44937	500.0	491.1	
65 Dibromomethane	93	5.450	5.450	0.000	92	165287	25.0	26.3	
67 Dichlorobromomethane	83	5.564	5.564	0.000	95	312934	25.0	26.0	
69 2-Chloroethyl vinyl ether	63	5.771	5.771	0.000	94	163543	25.0	26.2	
71 cis-1,3-Dichloropropene	75	5.885	5.885	0.000	85	349389	25.0	25.7	
72 4-Methyl-2-pentanone (MIBK)	43	5.989	5.988	0.001	99	1369590	125.0	142.8	
73 Toluene	92	6.103	6.102	0.001	97	588126	25.0	22.6	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	96	331449	25.0	26.3	
77 Ethyl methacrylate	69	6.331	6.330	0.001	95	251615	25.0	25.5	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	95	172368	25.0	24.0	
79 Tetrachloroethene	166	6.507	6.507	0.000	95	262794	25.0	22.5	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	95	345959	25.0	23.8	
81 2-Hexanone	43	6.621	6.621	0.000	99	956678	125.0	144.9	
82 Chlorodibromomethane	129	6.766	6.766	0.000	90	243508	25.0	28.4	
83 Ethylene Dibromide	107	6.849	6.849	0.000	96	225287	25.0	26.2	
86 Chlorobenzene	112	7.201	7.201	0.000	95	717394	25.0	23.8	
88 Ethylbenzene	91	7.263	7.253	0.010	99	1136352	25.0	23.4	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	91	265582	25.0	26.6	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	460276	25.0	24.1	
91 o-Xylene	106	7.667	7.667	0.000	97	454869	25.0	24.6	
92 Styrene	104	7.688	7.688	0.000	95	785439	25.0	25.5	
93 Bromoform	173	7.885	7.885	0.000	94	125004	25.0	28.3	a
95 Isopropylbenzene	105	7.947	7.947	0.000	96	1157108	25.0	23.2	
97 Bromobenzene	156	8.227	8.227	0.000	89	339511	25.0	25.0	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	96	256274	25.0	24.8	
99 N-Propylbenzene	91	8.279	8.279	0.000	98	1335710	25.0	23.2	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	92	95561	25.0	27.1	
101 trans-1,4-Dichloro-2-buten	53	8.300	8.299	0.001	75	109056	25.0	25.8	
105 2-Chlorotoluene	126	8.372	8.372	0.000	96	298503	25.0	23.6	
104 1,3,5-Trimethylbenzene	105	8.414	8.424	-0.010	95	1014847	25.0	24.2	
102 4-Chlorotoluene	91	8.465	8.465	0.000	98	898482	25.0	24.0	
106 tert-Butylbenzene	134	8.683	8.683	0.000	94	230360	25.0	23.2	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	98	1083646	25.0	24.9	
109 sec-Butylbenzene	105	8.859	8.859	0.000	95	1263899	25.0	23.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	1132061	25.0	24.8	
110 1,3-Dichlorobenzene	146	8.983	8.983	0.000	98	677406	25.0	25.0	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	94	683624	25.0	24.2	
115 n-Butylbenzene	91	9.315	9.315	0.000	97	974471	25.0	23.2	
116 1,2-Dichlorobenzene	146	9.377	9.377	0.000	97	649151	25.0	25.0	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.040	0.000	79	41620	25.0	29.6	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	95	441867	25.0	24.3	
120 Hexachlorobutadiene	225	10.797	10.797	0.000	96	194276	25.0	24.1	
121 Naphthalene	128	10.901	10.901	0.000	97	1026151	25.0	26.3	
122 1,2,3-Trichlorobenzene	180	11.098	11.097	0.001	95	413527	25.0	23.8	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00290

Amount Added: 12.50

Units: uL

T_8260_IS_00196

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00173

Amount Added: 1.00

Units: uL

Run Reagent

Operator ID: ZV

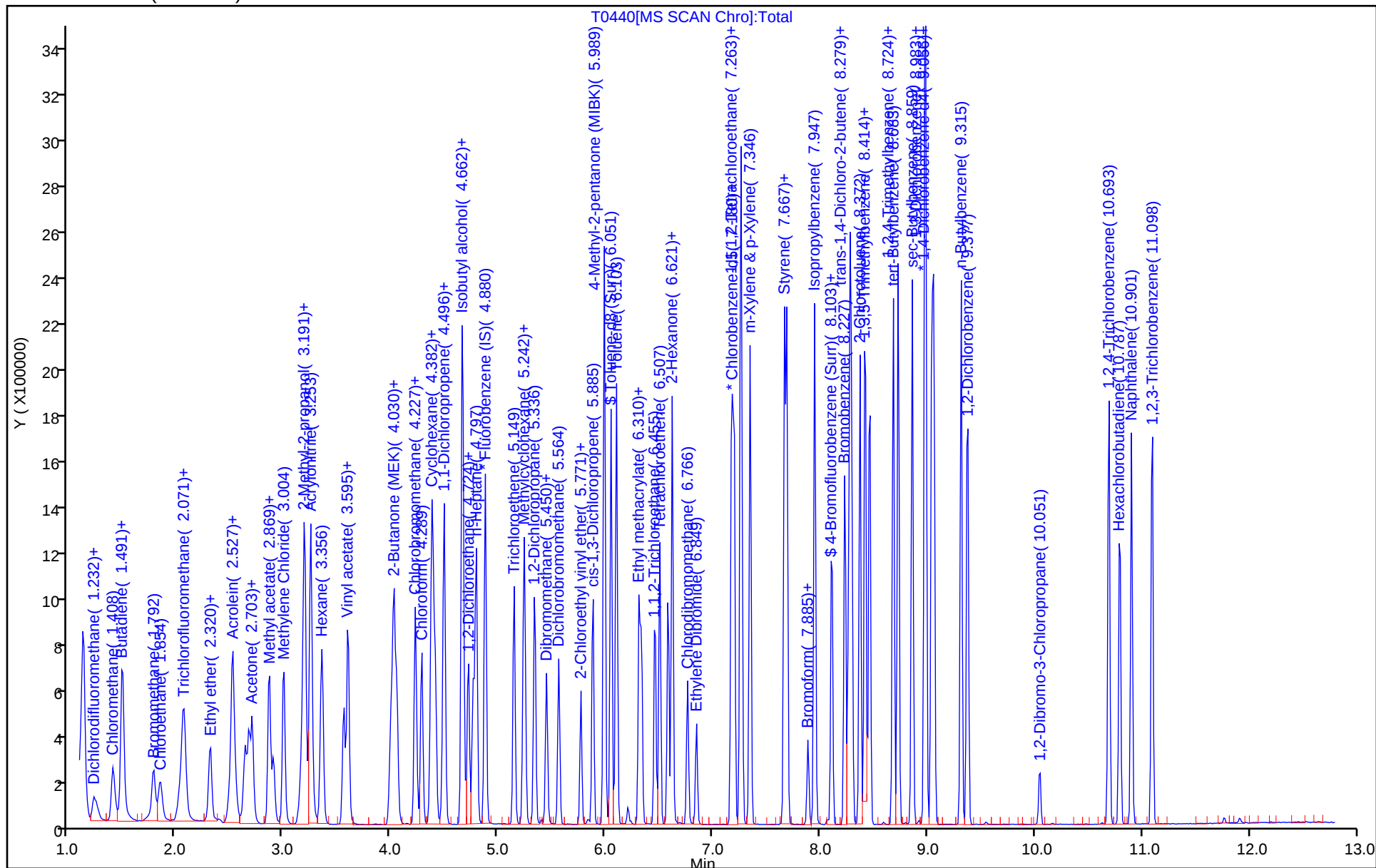
Worklist Smp#: 5

Client ID:

ALS Bottle#: 5

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

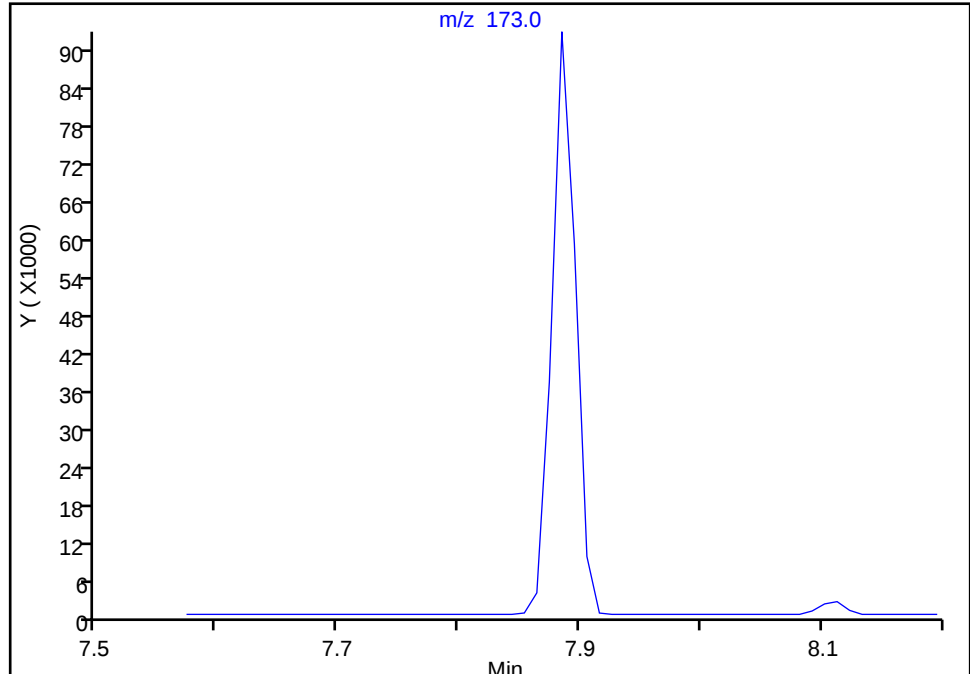
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Injection Date: 10-Jul-2018 10:18:30 Instrument ID: HP5975T
Lims ID: LCS
Client ID:
Operator ID: ZV ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

93 Bromoform, CAS: 75-25-2

Signal: 1

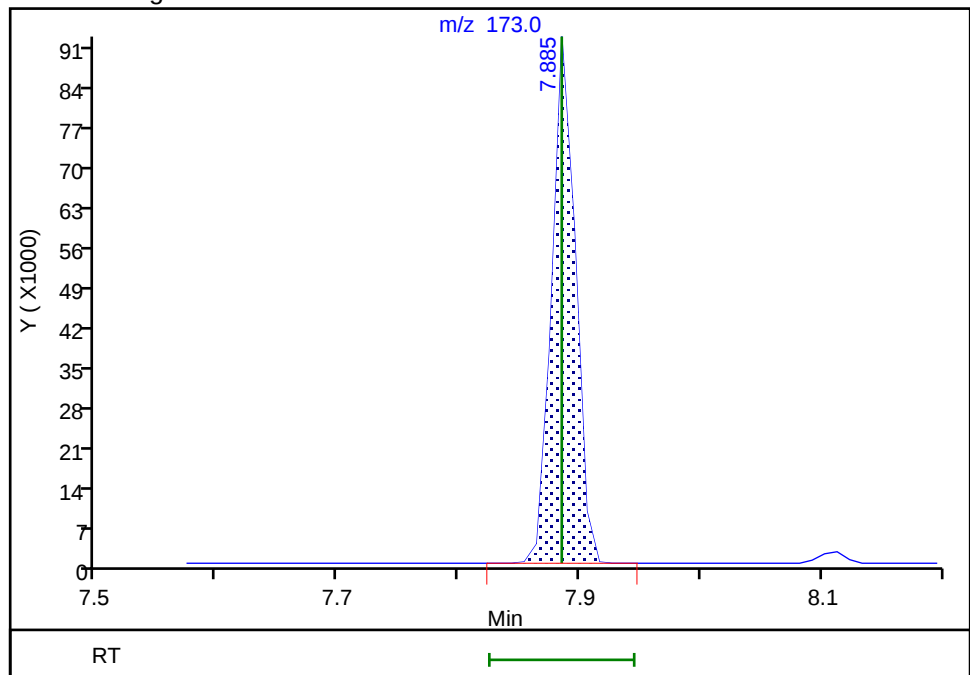
Not Detected
Expected RT: 7.88

Processing Integration Results



RT: 7.88
Area: 125004
Amount: 28.329013
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 10-Jul-2018 11:49:09
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected
Page 470 of 503

07/11/2018

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Client Sample ID: OW-01 070618 MS Lab Sample ID: 480-138526-1 MS

Matrix: Water Lab File ID: S3300.D

Analysis Method: 8260C Date Collected: 07/06/2018 00:00

Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 04:07

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

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

Analysis Batch No.: 423625 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	35.9		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	27.2		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.1		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.2		1.0	0.31
75-34-3	1,1-Dichloroethane	28.2		1.0	0.38
75-35-4	1,1-Dichloroethene	29.8		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.0		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	26.5		1.0	0.39
95-50-1	1,2-Dichlorobenzene	25.6		1.0	0.79
107-06-2	1,2-Dichloroethane	25.1		1.0	0.21
78-87-5	1,2-Dichloropropane	25.6		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.8		1.0	0.84
78-93-3	2-Butanone (MEK)	139		10	1.3
591-78-6	2-Hexanone	130		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	131		5.0	2.1
67-64-1	Acetone	140		10	3.0
71-43-2	Benzene	26.7		1.0	0.41
75-27-4	Bromodichloromethane	27.5		1.0	0.39
75-25-2	Bromoform	25.2		1.0	0.26
74-83-9	Bromomethane	24.4		1.0	0.69
75-15-0	Carbon disulfide	25.2		1.0	0.19
56-23-5	Carbon tetrachloride	28.4		1.0	0.27
108-90-7	Chlorobenzene	26.4		1.0	0.75
124-48-1	Dibromochloromethane	25.7		1.0	0.32
75-00-3	Chloroethane	25.7		1.0	0.32
67-66-3	Chloroform	26.2		1.0	0.34
74-87-3	Chloromethane	25.1		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	86.4		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.1		1.0	0.36
110-82-7	Cyclohexane	29.2		1.0	0.18
75-71-8	Dichlorodifluoromethane	28.5		1.0	0.68
100-41-4	Ethylbenzene	26.9		1.0	0.74
106-93-4	1,2-Dibromoethane	25.1		1.0	0.73
98-82-8	Isopropylbenzene	27.8		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Client Sample ID: OW-01 070618 MS Lab Sample ID: 480-138526-1 MS
 Matrix: Water Lab File ID: S3300.D
 Analysis Method: 8260C Date Collected: 07/06/2018 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 04:07
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 423625 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	44.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.7		1.0	0.16
108-87-2	Methylcyclohexane	29.9		1.0	0.16
75-09-2	Methylene Chloride	25.0		1.0	0.44
100-42-5	Styrene	24.7		1.0	0.73
127-18-4	Tetrachloroethene	27.4		1.0	0.36
108-88-3	Toluene	26.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	28.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.1		1.0	0.37
79-01-6	Trichloroethene	437		1.0	0.46
75-69-4	Trichlorofluoromethane	27.7		1.0	0.88
75-01-4	Vinyl chloride	45.8		1.0	0.90
1330-20-7	Xylenes, Total	51.0		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3300.D
 Lims ID: 480-138526-A-1 MS
 Client ID: OW-01 070618
 Sample Type: MS
 Inject. Date: 10-Jul-2018 04:07:30 ALS Bottle#: 25 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138526-A-1 MS
 Misc. Info.: 480-0072956-026
 Operator ID: kn Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 11:19:21 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: carrolln

Date: 10-Jul-2018 11:19:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.516	5.510	0.006	99	157163	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	321479	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	57	293725	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	58	190127	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	56	127255	25.0	25.8	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.019	0.007	90	782008	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	90	240626	25.0	25.0	
10 Dichlorodifluoromethane	85	1.288	1.282	0.006	84	215577	25.0	28.5	
12 Chloromethane	50	1.464	1.470	-0.006	98	301501	25.0	25.1	
13 Vinyl chloride	62	1.555	1.549	0.006	96	489537	25.0	45.8	
14 Bromomethane	94	1.884	1.872	0.012	86	139613	25.0	24.4	
15 Chloroethane	64	1.975	1.975	0.000	90	166386	25.0	25.7	
17 Trichlorofluoromethane	101	2.194	2.194	0.000	83	280501	25.0	27.7	
21 1,1,2-Trichloro-1,2,2-trif	101	2.705	2.705	0.000	67	161010	25.0	26.2	M
22 1,1-Dichloroethene	96	2.723	2.717	0.006	94	206833	25.0	29.8	
23 Acetone	43	2.851	2.857	0.000	99	423070	125.0	139.9	
26 Carbon disulfide	76	2.924	2.924	0.000	97	556660	25.0	25.2	
27 Methyl acetate	43	3.149	3.149	0.000	95	354178	50.0	44.6	
30 Methylene Chloride	84	3.253	3.259	-0.006	96	229571	25.0	25.0	
32 Methyl tert-butyl ether	73	3.453	3.454	-0.001	92	642604	25.0	24.7	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	89	225013	25.0	28.3	
39 1,1-Dichloroethane	63	3.898	3.898	0.000	96	472129	25.0	28.2	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	82	788606	25.0	86.4	
43 2-Butanone (MEK)	43	4.500	4.494	0.006	94	643891	125.0	138.7	
50 Chloroform	83	4.774	4.774	0.000	93	382248	25.0	26.2	
51 1,1,1-Trichloroethane	97	4.883	4.889	0.006	95	390791	25.0	35.9	
52 Cyclohexane	56	4.883	4.883	0.000	84	426944	25.0	29.2	
55 Carbon tetrachloride	117	5.017	5.017	0.000	89	258648	25.0	28.4	
57 Benzene	78	5.242	5.242	0.006	95	890852	25.0	26.7	
58 1,2-Dichloroethane	62	5.315	5.309	0.006	79	338274	25.0	25.1	
62 Trichloroethene	95	5.850	5.850	0.000	96	3755927	25.0	436.7	E

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.966	5.960	0.006	94	391855	25.0	29.9	
65 1,2-Dichloropropane	63	6.100	6.094	0.006	96	257270	25.0	25.6	
68 Dichlorobromomethane	83	6.386	6.386	0.000	97	278109	25.0	27.5	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	89	306504	25.0	24.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.006	94	1339736	125.0	130.5	
74 Toluene	92	7.085	7.085	-0.007	95	556694	25.0	26.0	
77 trans-1,3-Dichloropropene	75	7.371	7.377	-0.006	96	295699	25.0	25.1	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	92	168260	25.0	26.1	
81 Tetrachloroethene	166	7.621	7.615	0.006	86	247480	25.0	27.4	
80 2-Hexanone	43	7.791	7.785	0.000	91	978702	125.0	129.5	
83 Chlorodibromomethane	129	7.967	7.961	0.006	87	188362	25.0	25.7	
84 Ethylene Dibromide	107	8.071	8.071	0.000	98	203432	25.0	25.1	
87 Chlorobenzene	112	8.539	8.539	0.000	93	618299	25.0	26.4	
88 Ethylbenzene	91	8.631	8.631	0.000	99	1037185	25.0	26.9	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	99	396123		25.3	
91 o-Xylene	106	9.178	9.178	0.000	98	382432		25.7	
92 Styrene	104	9.209	9.215	0.000	94	629862	25.0	24.7	
95 Bromoform	173	9.464	9.464	0.000	96	117658	25.0	25.2	
94 Isopropylbenzene	105	9.561	9.561	0.000	95	1028406	25.0	27.8	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	75	273701	25.0	27.2	M
111 1,3-Dichlorobenzene	146	10.821	10.827	-0.006	71	477351	25.0	26.2	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	93	497829	25.0	26.8	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	92	458906	25.0	25.6	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	75	51647	25.0	26.5	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	95	331943	25.0	26.0	
S 124 Xylenes, Total	1				0			51.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00290

Amount Added: 12.50

Units: uL

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180709-72956.b\\S3300.D

Injection Date: 10-Jul-2018 04:07:30

Instrument ID: HP5973S

Operator ID: kn

Lims ID: 480-138526-A-1 MS

Worklist Smp#: 26

Client ID: OW-01 070618

Purge Vol: 5.000 mL

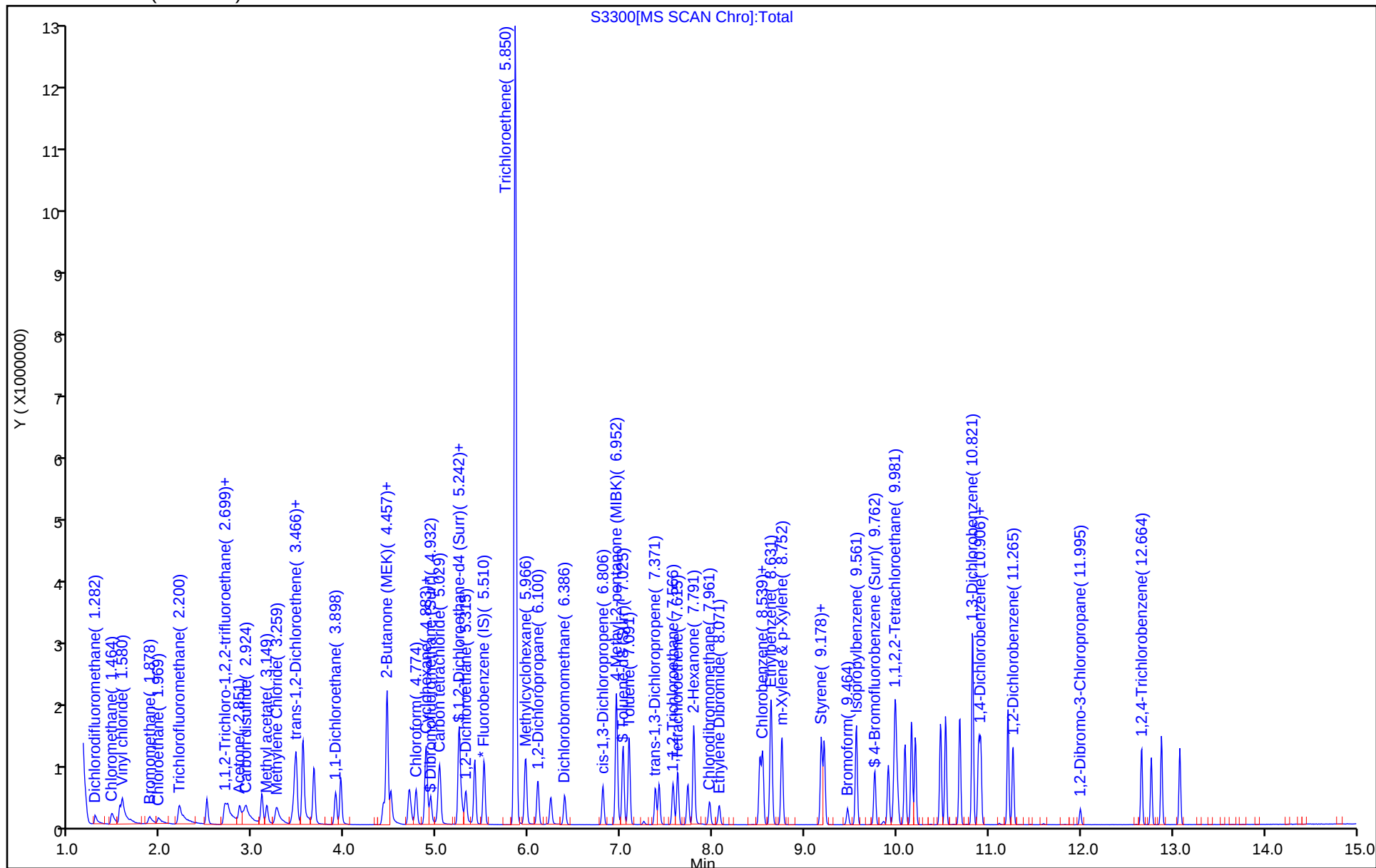
Dil. Factor: 1.0000

ALS Bottle#: 25

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

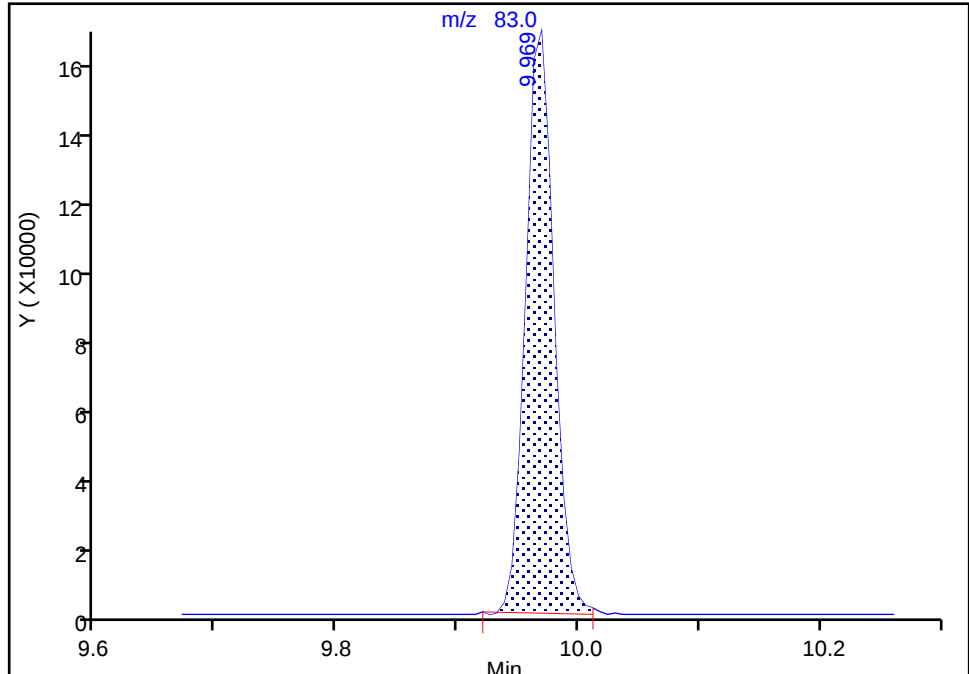
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Injection Date: 10-Jul-2018 04:07:30 Instrument ID: HP5973S
Lims ID: 480-138526-A-1 MS
Client ID: OW-01 070618
Operator ID: kn ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

97 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

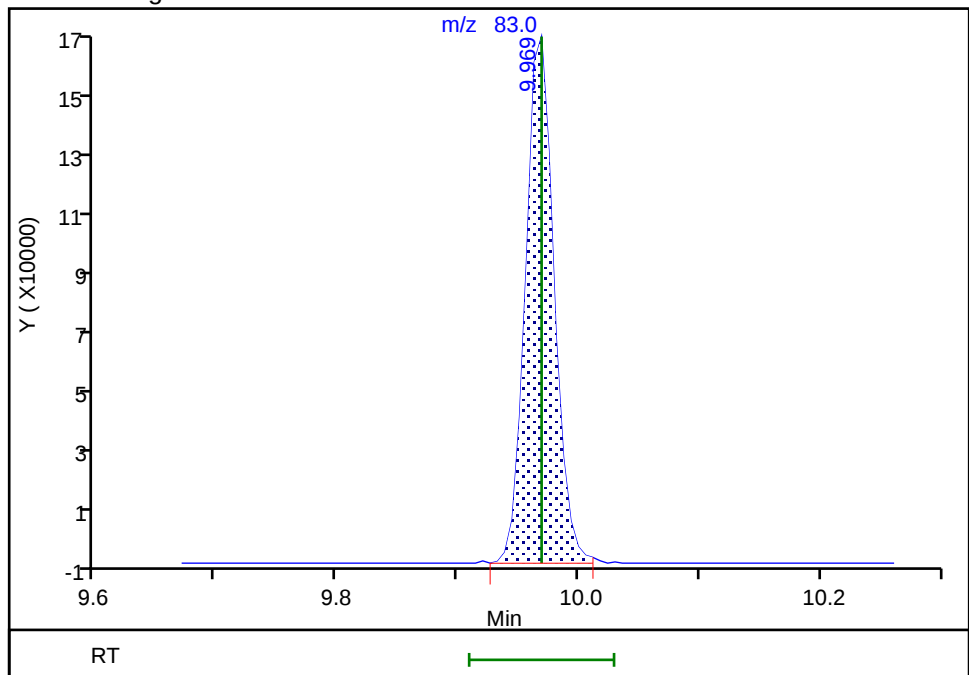
RT: 9.97
Area: 271752
Amount: 27.007708
Amount Units: ug/L

Processing Integration Results



RT: 9.97
Area: 273701
Amount: 27.201406
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 10-Jul-2018 11:19:11
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3300.D
Injection Date: 10-Jul-2018 04:07:30 Instrument ID: HP5973S
Lims ID: 480-138526-A-1 MS
Client ID: OW-01 070618
Operator ID: kn
Purge Vol: 5.000 mL
Method: S-8260
Column: ZB-624 (0.25 mm)

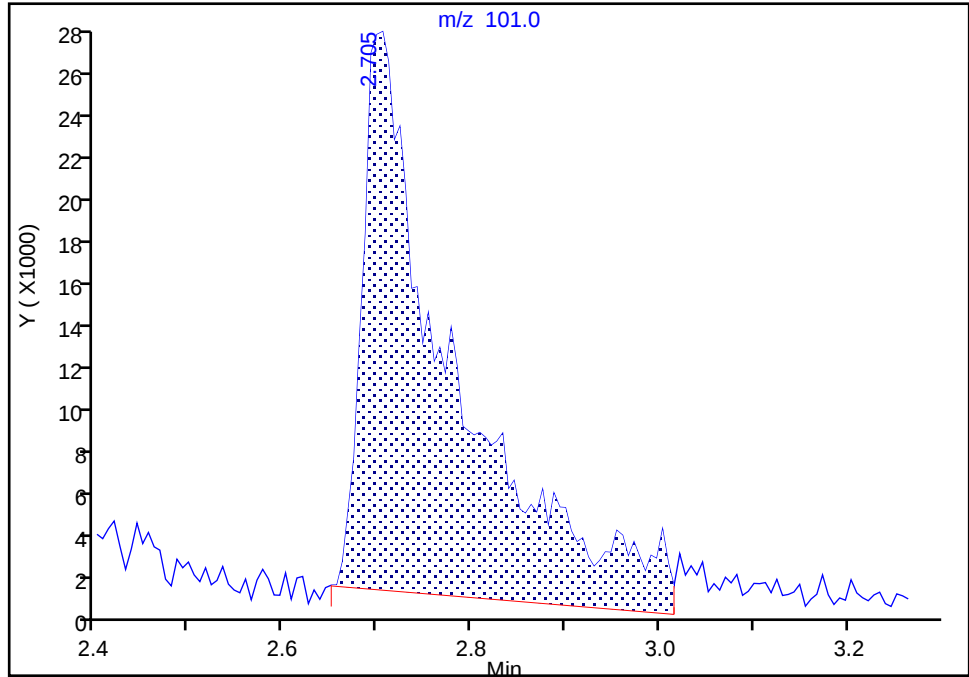
ALS Bottle#: 25 Worklist Smp#: 26
Dil. Factor: 1.0000
Limit Group: MV - 8260C ICAL
Detector: MS SCAN

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

Signal: 1

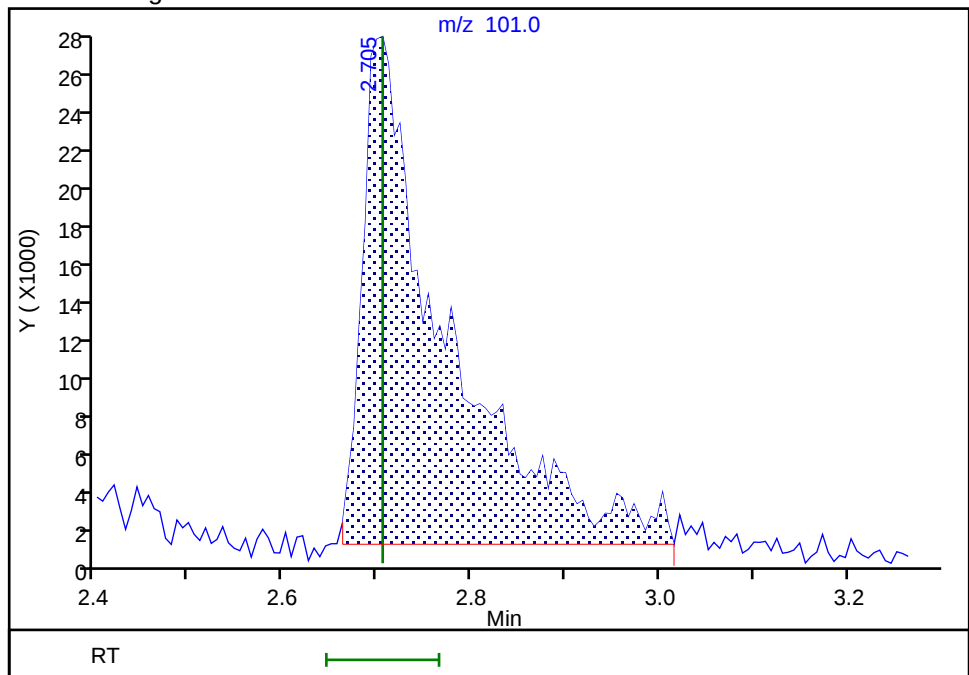
RT: 2.71
Area: 176271
Amount: 28.598412
Amount Units: ug/L

Processing Integration Results



RT: 2.71
Area: 161010
Amount: 26.154569
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 10-Jul-2018 11:18:34
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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07/11/2018

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-01 070618 MS DL</u>	Lab Sample ID: <u>480-138526-1 MS DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>T0457.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 20:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423660</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	325		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	246		10	2.1
79-00-5	1,1,2-Trichloroethane	246		10	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	295		10	3.1
75-34-3	1,1-Dichloroethane	278		10	3.8
75-35-4	1,1-Dichloroethene	287		10	2.9
120-82-1	1,2,4-Trichlorobenzene	249		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	275		10	3.9
95-50-1	1,2-Dichlorobenzene	265		10	7.9
107-06-2	1,2-Dichloroethane	272		10	2.1
78-87-5	1,2-Dichloropropane	277		10	7.2
541-73-1	1,3-Dichlorobenzene	268		10	7.8
106-46-7	1,4-Dichlorobenzene	256		10	8.4
78-93-3	2-Butanone (MEK)	1300		100	13
591-78-6	2-Hexanone	1340		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	1370		50	21
67-64-1	Acetone	1230		100	30
71-43-2	Benzene	272		10	4.1
75-27-4	Bromodichloromethane	284		10	3.9
75-25-2	Bromoform	296		10	2.6
74-83-9	Bromomethane	263		10	6.9
75-15-0	Carbon disulfide	262		10	1.9
56-23-5	Carbon tetrachloride	324		10	2.7
108-90-7	Chlorobenzene	272		10	7.5
124-48-1	Dibromochloromethane	291		10	3.2
75-00-3	Chloroethane	303		10	3.2
67-66-3	Chloroform	267		10	3.4
74-87-3	Chloromethane	297		10	3.5
156-59-2	cis-1,2-Dichloroethene	303		10	8.1
10061-01-5	cis-1,3-Dichloropropene	259		10	3.6
110-82-7	Cyclohexane	329		10	1.8
75-71-8	Dichlorodifluoromethane	384		10	6.8
100-41-4	Ethylbenzene	274		10	7.4
106-93-4	1,2-Dibromoethane	263		10	7.3
98-82-8	Isopropylbenzene	274		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-01 070618 MS DL</u>	Lab Sample ID: <u>480-138526-1 MS DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>T0457.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 20:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423660</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	469		25	13
1634-04-4	Methyl tert-butyl ether	251		10	1.6
108-87-2	Methylcyclohexane	289		10	1.6
75-09-2	Methylene Chloride	236		10	4.4
100-42-5	Styrene	281		10	7.3
127-18-4	Tetrachloroethene	288		10	3.6
108-88-3	Toluene	267		10	5.1
156-60-5	trans-1,2-Dichloroethene	287		10	9.0
10061-02-6	trans-1,3-Dichloropropene	257		10	3.7
79-01-6	Trichloroethene	771		10	4.6
75-69-4	Trichlorofluoromethane	359		10	8.8
75-01-4	Vinyl chloride	336		10	9.0
1330-20-7	Xylenes, Total	555		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0457.D
 Lims ID: 480-138526-B-1 MS
 Client ID: OW-01 070618
 Sample Type: MS
 Inject. Date: 10-Jul-2018 20:13:30 ALS Bottle#: 22 Worklist Smp#: 32
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-138526-b-1 ms
 Misc. Info.: 480-0072965-032
 Operator ID: ZV Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 18:51:48 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK039

First Level Reviewer: HillL

Date: 11-Jul-2018 11:36:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	98	169877	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.180	-0.010	89	731134	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.046	9.046	0.000	95	436631	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	91	229044	25.0	27.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	299757	25.0	28.6	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.042	0.000	95	778793	25.0	24.7	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.101	0.000	0	259386	25.0	26.8	
11 Dichlorodifluoromethane	85	1.232	1.232	0.000	97	337654	25.0	38.4	
13 Chloromethane	50	1.408	1.418	-0.010	98	444484	25.0	29.7	
14 Vinyl chloride	62	1.491	1.491	0.000	96	399035	25.0	33.6	
15 Bromomethane	94	1.792	1.781	0.011	95	217742	25.0	26.3	
16 Chloroethane	64	1.854	1.854	0.000	97	222536	25.0	30.3	
17 Trichlorofluoromethane	101	2.061	2.061	0.000	74	532752	25.0	35.9	
22 1,1-Dichloroethene	96	2.517	2.538	-0.021	92	235158	25.0	28.7	
20 1,1,2-Trichloro-1,2,2-trif	101	2.527	2.548	-0.021	94	272445	25.0	29.5	
23 Acetone	43	2.641	2.641	0.000	97	377593	125.0	123.2	
25 Carbon disulfide	76	2.704	2.714	-0.010	98	663079	25.0	26.2	
28 Methyl acetate	43	2.900	2.911	-0.011	100	368857	50.0	46.9	
30 Methylene Chloride	84	3.004	3.004	0.000	92	249099	25.0	23.6	
33 Methyl tert-butyl ether	73	3.180	3.180	0.000	95	637435	25.0	25.1	
32 trans-1,2-Dichloroethene	96	3.191	3.190	0.001	92	262721	25.0	28.7	
36 1,1-Dichloroethane	63	3.564	3.564	0.000	97	502351	25.0	27.8	
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	87	336149	25.0	30.3	
44 2-Butanone (MEK)	43	4.051	4.061	-0.010	97	556377	125.0	130.4	
50 Chloroform	83	4.289	4.289	0.000	96	457411	25.0	26.7	
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	96	459353	25.0	32.5	
52 Cyclohexane	56	4.382	4.393	-0.011	96	619035	25.0	32.9	
53 Carbon tetrachloride	117	4.486	4.496	-0.010	95	391698	25.0	32.4	
55 Benzene	78	4.662	4.662	0.000	93	936313	25.0	27.2	
57 1,2-Dichloroethane	62	4.724	4.724	0.000	96	441299	25.0	27.2	
60 Trichloroethene	95	5.149	5.149	0.000	91	742139	25.0	77.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83	5.242	5.242	0.000	97	460924	25.0	28.9	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	86	272953	25.0	27.7	
67 Dichlorobromomethane	83	5.564	5.564	0.000	95	325724	25.0	28.4	
71 cis-1,3-Dichloropropene	75	5.885	5.885	0.000	85	335712	25.0	25.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.989	5.980	0.000	98	1250194	125.0	137.3	
73 Toluene	92	6.103	6.094	0.001	97	660018	25.0	26.7	
75 trans-1,3-Dichloropropene	75	6.310	6.301	0.000	95	307814	25.0	25.7	
78 1,1,2-Trichloroethane	83	6.455	6.456	-0.010	94	167731	25.0	24.6	
79 Tetrachloroethene	166	6.507	6.497	0.000	94	318906	25.0	28.8	
81 2-Hexanone	43	6.621	6.611	0.000	98	837889	125.0	133.6	
82 Chlorodibromomethane	129	6.766	6.756	0.000	91	236648	25.0	29.1	
83 Ethylene Dibromide	107	6.849	6.839	0.000	99	214305	25.0	26.3	
86 Chlorobenzene	112	7.201	7.191	0.000	95	778715	25.0	27.2	
88 Ethylbenzene	91	7.253	7.242	0.000	98	1264584	25.0	27.4	
90 m-Xylene & p-Xylene	106	7.346	7.335	0.000	0	502144		27.7	
91 o-Xylene	106	7.667	7.656	0.000	97	486420		27.8	
92 Styrene	104	7.688	7.677	0.000	94	822196	25.0	28.1	
93 Bromoform	173	7.885	7.874	0.000	94	124041	25.0	29.6	
95 Isopropylbenzene	105	7.947	7.938	0.000	97	1333625	25.0	27.4	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.249	0.000	97	247838	25.0	24.6	
110 1,3-Dichlorobenzene	146	8.984	8.973	0.001	98	708854	25.0	26.8	
113 1,4-Dichlorobenzene	146	9.056	9.046	0.000	94	707158	25.0	25.6	
116 1,2-Dichlorobenzene	146	9.377	9.366	0.000	97	670933	25.0	26.5	
117 1,2-Dibromo-3-Chloropropan	75	10.051	10.039	0.000	80	37610	25.0	27.5	
119 1,2,4-Trichlorobenzene	180	10.693	10.681	0.000	95	441257	25.0	24.9	
S 126 Xylenes, Total	1				0			55.4	

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00290	Amount Added: 12.50	Units: uL	
T_8260_IS_00196	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00173	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180710-72965.b\\T0457.D

Injection Date: 10-Jul-2018 20:13:30

Instrument ID: HP5975T

Operator ID: ZV

Lims ID: 480-138526-B-1 MS

Worklist Smp#: 32

Client ID: OW-01 070618

Purge Vol: 5.000 mL

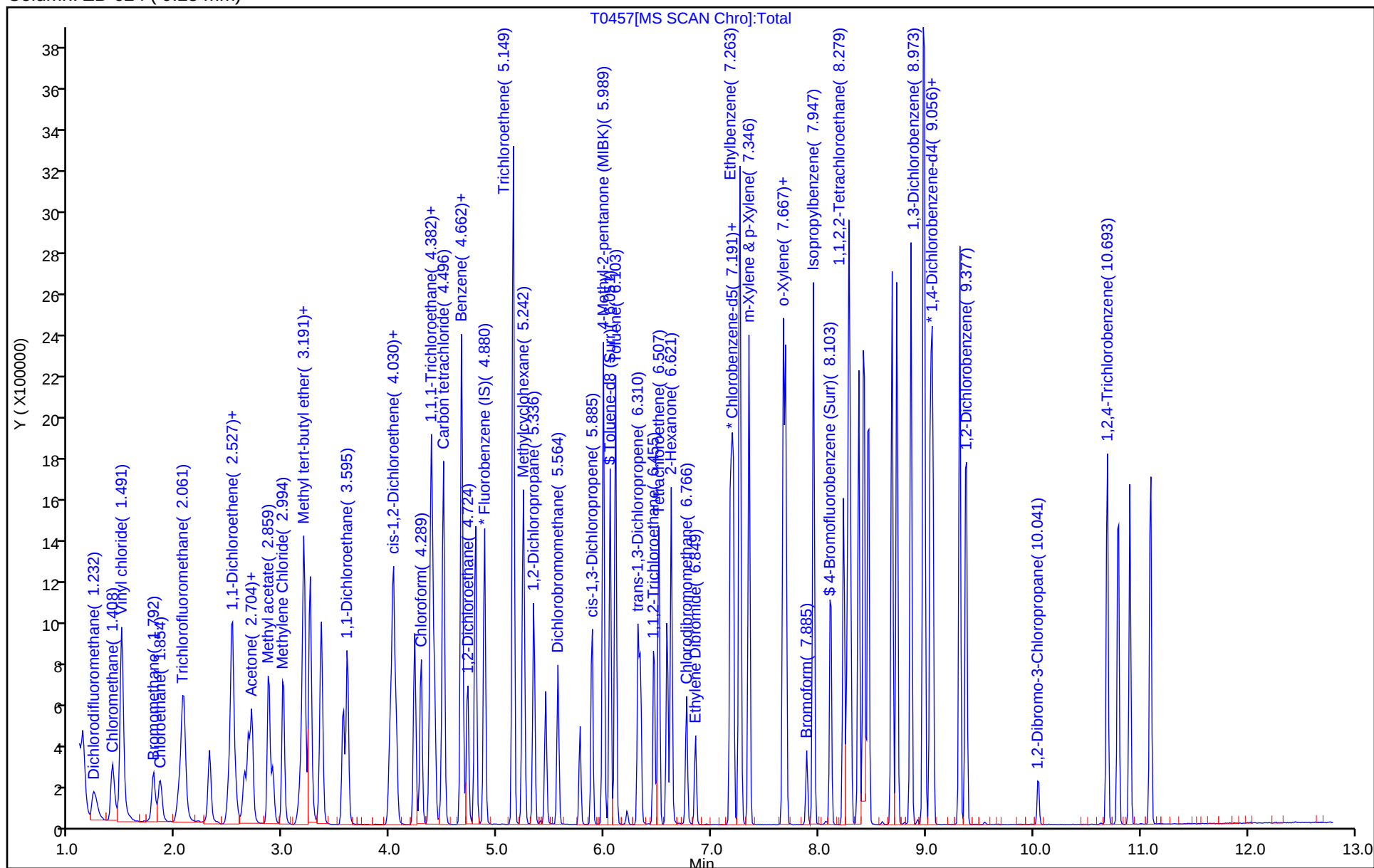
Dil. Factor: 10.0000

ALS Bottle#: 22

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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-01 070618 MSD</u>	Lab Sample ID: <u>480-138526-1 MSD</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3301.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 04:31</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423625</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	36.2		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	27.2		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.6		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.0		1.0	0.31
75-34-3	1,1-Dichloroethane	26.9		1.0	0.38
75-35-4	1,1-Dichloroethene	28.8		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.4		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	26.2		1.0	0.39
95-50-1	1,2-Dichlorobenzene	25.9		1.0	0.79
107-06-2	1,2-Dichloroethane	25.0		1.0	0.21
78-87-5	1,2-Dichloropropane	25.0		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.1		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.2		1.0	0.84
78-93-3	2-Butanone (MEK)	132		10	1.3
591-78-6	2-Hexanone	133		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	133		5.0	2.1
67-64-1	Acetone	127		10	3.0
71-43-2	Benzene	26.1		1.0	0.41
75-27-4	Bromodichloromethane	26.8		1.0	0.39
75-25-2	Bromoform	26.1		1.0	0.26
74-83-9	Bromomethane	27.2		1.0	0.69
75-15-0	Carbon disulfide	24.3		1.0	0.19
56-23-5	Carbon tetrachloride	27.6		1.0	0.27
108-90-7	Chlorobenzene	26.5		1.0	0.75
124-48-1	Dibromochloromethane	27.2		1.0	0.32
75-00-3	Chloroethane	28.8		1.0	0.32
67-66-3	Chloroform	25.5		1.0	0.34
74-87-3	Chloromethane	28.5		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	63.8		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	23.9		1.0	0.36
110-82-7	Cyclohexane	27.5		1.0	0.18
75-71-8	Dichlorodifluoromethane	30.7		1.0	0.68
100-41-4	Ethylbenzene	27.7		1.0	0.74
106-93-4	1,2-Dibromoethane	26.2		1.0	0.73
98-82-8	Isopropylbenzene	27.4		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1
 SDG No.: _____
 Client Sample ID: OW-01 070618 MSD Lab Sample ID: 480-138526-1 MSD
 Matrix: Water Lab File ID: S3301.D
 Analysis Method: 8260C Date Collected: 07/06/2018 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2018 04:31
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 423625 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	45.3		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.9		1.0	0.16
108-87-2	Methylcyclohexane	30.0		1.0	0.16
75-09-2	Methylene Chloride	23.5		1.0	0.44
100-42-5	Styrene	25.4		1.0	0.73
127-18-4	Tetrachloroethene	27.7		1.0	0.36
108-88-3	Toluene	26.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.9		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.9		1.0	0.37
79-01-6	Trichloroethene	449		1.0	0.46
75-69-4	Trichlorofluoromethane	32.9		1.0	0.88
75-01-4	Vinyl chloride	39.8		1.0	0.90
1330-20-7	Xylenes, Total	52.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3301.D
 Lims ID: 480-138526-A-1 MSD
 Client ID: OW-01 070618
 Sample Type: MSD
 Inject. Date: 10-Jul-2018 04:31:30 ALS Bottle#: 26 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138526-A-1 MSD
 Misc. Info.: 480-0072956-027
 Operator ID: kn Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 11:20:16 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: carrolln

Date: 10-Jul-2018 11:20:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	158534	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	315984	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	291564	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	57	196340	25.0	25.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	57	128146	25.0	25.8	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.019	0.007	90	792077	25.0	25.7	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	88	240831	25.0	25.5	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	97	234485	25.0	30.7	
12 Chloromethane	50	1.464	1.470	-0.006	99	345321	25.0	28.5	
13 Vinyl chloride	62	1.549	1.549	0.000	94	429440	25.0	39.8	
14 Bromomethane	94	1.872	1.872	0.000	88	157299	25.0	27.2	
15 Chloroethane	64	1.975	1.975	0.000	97	187876	25.0	28.8	
17 Trichlorofluoromethane	101	2.200	2.194	0.006	77	335746	25.0	32.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.699	-0.006	57	148598	25.0	24.0	M
22 1,1-Dichloroethene	96	2.723	2.717	0.006	97	201505	25.0	28.8	
23 Acetone	43	2.857	2.857	0.006	98	388614	125.0	127.4	
26 Carbon disulfide	76	2.924	2.924	0.000	97	541913	25.0	24.3	
27 Methyl acetate	43	3.149	3.149	0.000	95	362408	50.0	45.3	
30 Methylene Chloride	84	3.259	3.259	0.000	95	218717	25.0	23.5	
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	92	628000	25.0	23.9	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	92	215426	25.0	26.9	
39 1,1-Dichloroethane	63	3.898	3.898	0.000	97	453881	25.0	26.9	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	83	587837	25.0	63.8	
43 2-Butanone (MEK)	43	4.500	4.494	0.006	94	617570	125.0	131.9	
50 Chloroform	83	4.774	4.774	0.000	93	375978	25.0	25.5	
51 1,1,1-Trichloroethane	97	4.877	4.889	0.000	97	397068	25.0	36.2	
52 Cyclohexane	56	4.883	4.883	0.000	87	406767	25.0	27.5	
55 Carbon tetrachloride	117	5.017	5.017	0.000	90	253976	25.0	27.6	
57 Benzene	78	5.242	5.242	0.006	96	879459	25.0	26.1	
58 1,2-Dichloroethane	62	5.315	5.309	0.006	88	339463	25.0	25.0	
62 Trichloroethene	95	5.850	5.850	0.000	96	3895470	25.0	449.0	E

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.966	5.960	0.006	94	396141	25.0	30.0	
65 1,2-Dichloropropane	63	6.100	6.094	0.006	95	253395	25.0	25.0	
68 Dichlorobromomethane	83	6.392	6.386	0.006	97	273080	25.0	26.8	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	89	306761	25.0	23.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.006	95	1340093	125.0	132.8	
74 Toluene	92	7.085	7.085	-0.007	95	563194	25.0	26.8	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	95	287642	25.0	24.9	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	93	168280	25.0	26.6	
81 Tetrachloroethene	166	7.621	7.615	0.006	89	245487	25.0	27.7	
80 2-Hexanone	43	7.791	7.785	0.000	91	987389	125.0	133.0	
83 Chlorodibromomethane	129	7.961	7.961	0.000	91	195400	25.0	27.2	
84 Ethylene Dibromide	107	8.071	8.071	0.000	95	209044	25.0	26.2	
87 Chlorobenzene	112	8.539	8.539	0.000	92	610857	25.0	26.5	
88 Ethylbenzene	91	8.631	8.631	0.000	98	1049629	25.0	27.7	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	98	400802		26.0	
91 o-Xylene	106	9.178	9.178	0.000	97	385042		26.3	
92 Styrene	104	9.209	9.215	0.000	94	635916	25.0	25.4	
95 Bromoform	173	9.464	9.464	0.000	95	119813	25.0	26.1	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	1005859	25.0	27.4	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	69	271997	25.0	27.2	
111 1,3-Dichlorobenzene	146	10.821	10.827	-0.006	71	472291	25.0	26.1	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	94	483365	25.0	26.2	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	91	460249	25.0	25.9	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	72	50691	25.0	26.2	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	94	334239	25.0	26.4	
S 124 Xylenes, Total	1				0			52.4	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00290

Amount Added: 12.50

Units: uL

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180709-72956.b\\S3301.D

Injection Date: 10-Jul-2018 04:31:30

Instrument ID: HP5973S

Operator ID: kn

Lims ID: 480-138526-A-1 MSD

Worklist Smp#: 27

Client ID: OW-01 070618

Purge Vol: 5.000 mL

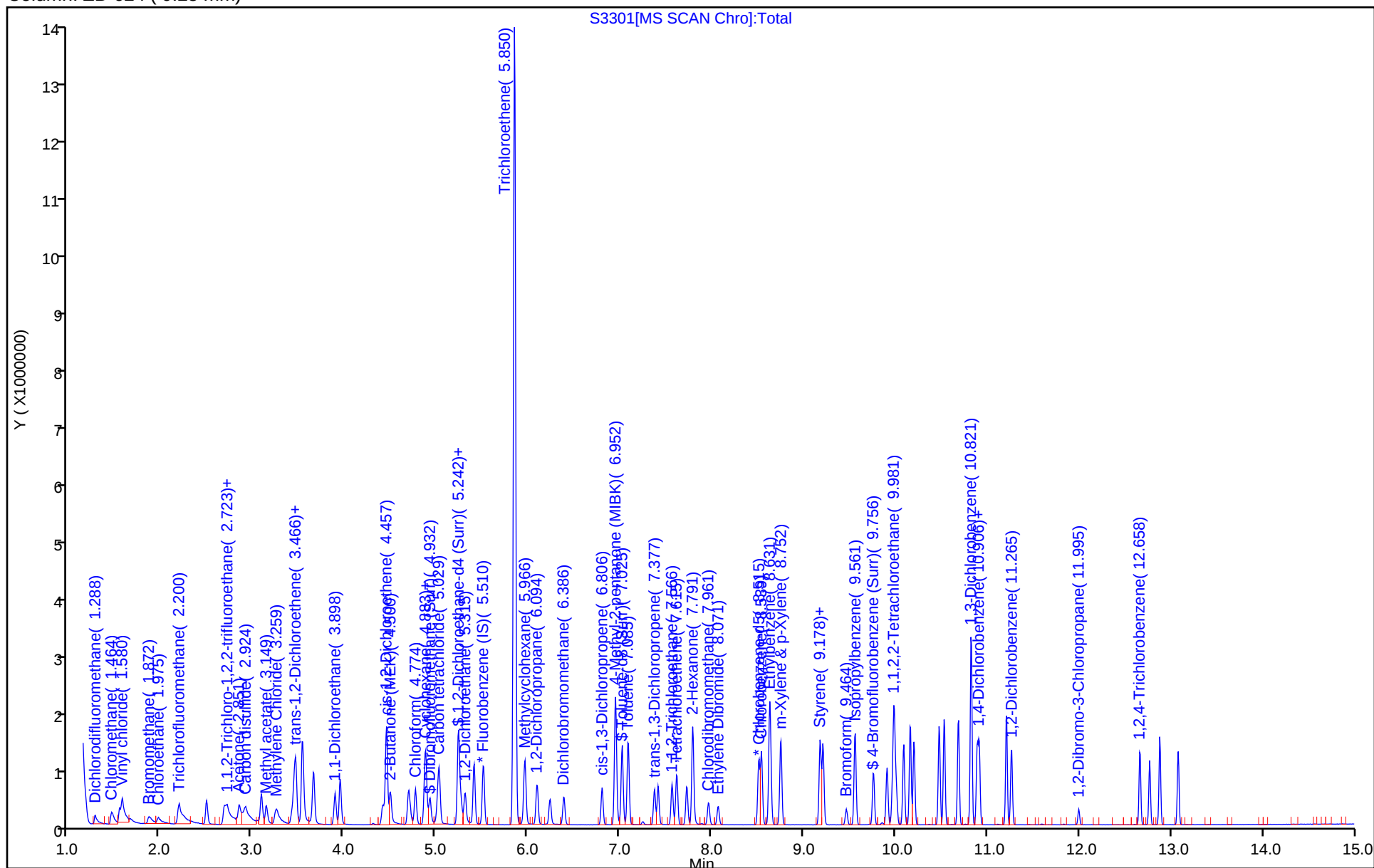
Dil. Factor: 1.0000

ALS Bottle#: 26

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

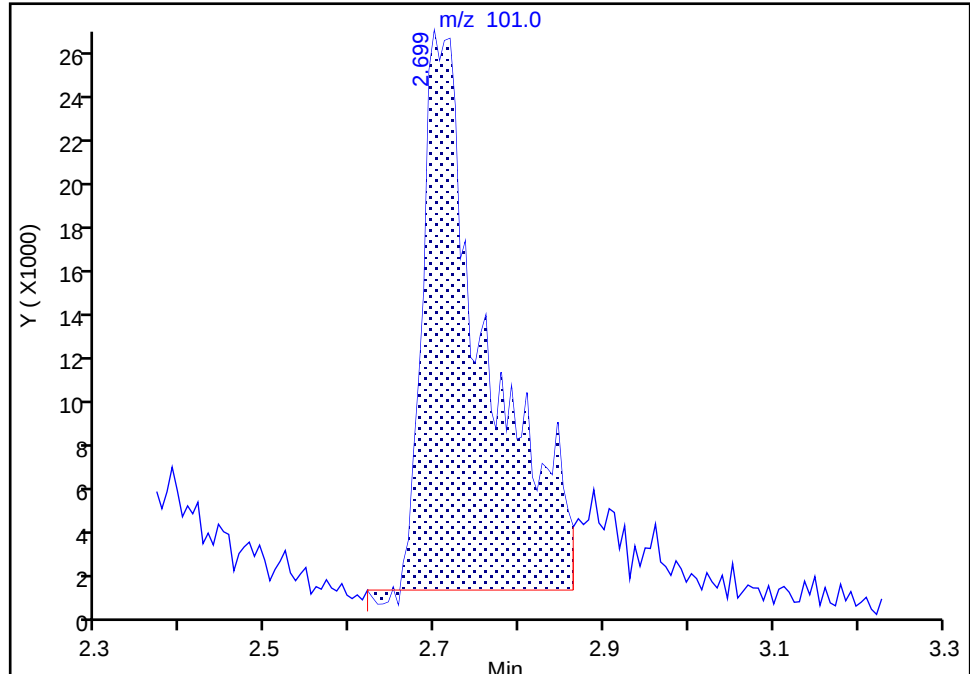
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180709-72956.b\S3301.D
Injection Date: 10-Jul-2018 04:31:30 Instrument ID: HP5973S
Lims ID: 480-138526-A-1 MSD
Client ID: OW-01 070618
Operator ID: kn ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

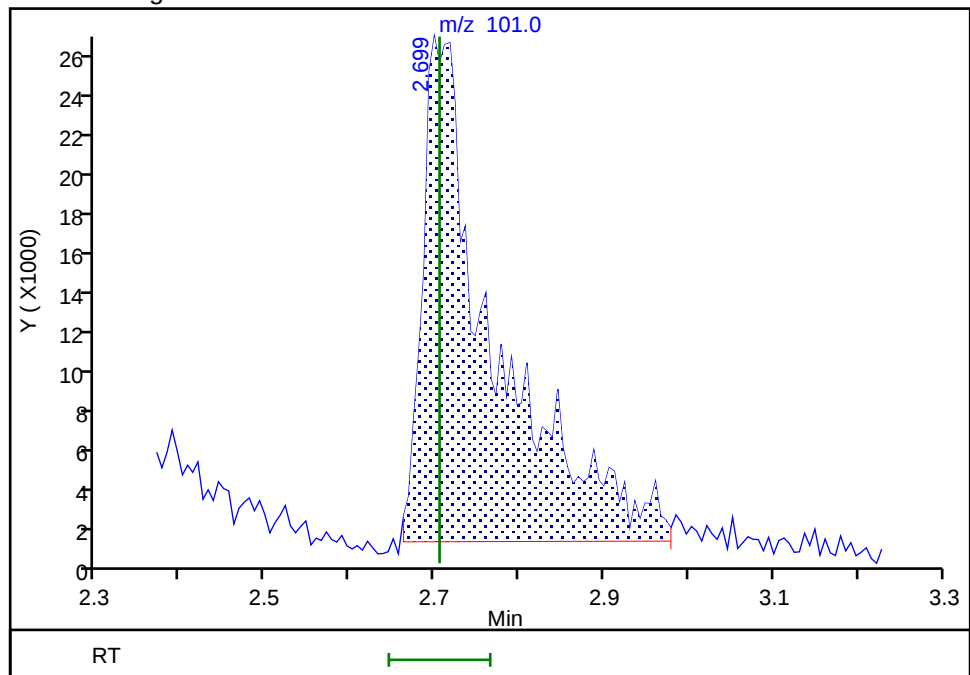
RT: 2.70
Area: 131030
Amount: 21.172219
Amount Units: ug/L

Processing Integration Results



RT: 2.70
Area: 148598
Amount: 23.961168
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 10-Jul-2018 11:19:48
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 488 of 503

07/11/2018

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-01 070618 MSD DL</u>	Lab Sample ID: <u>480-138526-1 MSD DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>T0458.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 20:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423660</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	296		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	232		10	2.1
79-00-5	1,1,2-Trichloroethane	228		10	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	253		10	3.1
75-34-3	1,1-Dichloroethane	254		10	3.8
75-35-4	1,1-Dichloroethene	238		10	2.9
120-82-1	1,2,4-Trichlorobenzene	236		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	281		10	3.9
95-50-1	1,2-Dichlorobenzene	244		10	7.9
107-06-2	1,2-Dichloroethane	248		10	2.1
78-87-5	1,2-Dichloropropane	251		10	7.2
541-73-1	1,3-Dichlorobenzene	245		10	7.8
106-46-7	1,4-Dichlorobenzene	240		10	8.4
78-93-3	2-Butanone (MEK)	1240		100	13
591-78-6	2-Hexanone	1270		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	1320		50	21
67-64-1	Acetone	1160		100	30
71-43-2	Benzene	238		10	4.1
75-27-4	Bromodichloromethane	256		10	3.9
75-25-2	Bromoform	270		10	2.6
74-83-9	Bromomethane	227		10	6.9
75-15-0	Carbon disulfide	231		10	1.9
56-23-5	Carbon tetrachloride	292		10	2.7
108-90-7	Chlorobenzene	245		10	7.5
124-48-1	Dibromochloromethane	287		10	3.2
75-00-3	Chloroethane	247		10	3.2
67-66-3	Chloroform	243		10	3.4
74-87-3	Chloromethane	239		10	3.5
156-59-2	cis-1,2-Dichloroethene	276		10	8.1
10061-01-5	cis-1,3-Dichloropropene	237		10	3.6
110-82-7	Cyclohexane	286		10	1.8
75-71-8	Dichlorodifluoromethane	315		10	6.8
100-41-4	Ethylbenzene	248		10	7.4
106-93-4	1,2-Dibromoethane	245		10	7.3
98-82-8	Isopropylbenzene	251		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138526-1</u>
SDG No.: _____	
Client Sample ID: <u>OW-01 070618 MSD DL</u>	Lab Sample ID: <u>480-138526-1 MSD DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>T0458.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/06/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/10/2018 20:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>423660</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	428		25	13
1634-04-4	Methyl tert-butyl ether	230		10	1.6
108-87-2	Methylcyclohexane	263		10	1.6
75-09-2	Methylene Chloride	220		10	4.4
100-42-5	Styrene	253		10	7.3
127-18-4	Tetrachloroethene	259		10	3.6
108-88-3	Toluene	239		10	5.1
156-60-5	trans-1,2-Dichloroethene	249		10	9.0
10061-02-6	trans-1,3-Dichloropropene	242		10	3.7
79-01-6	Trichloroethene	748		10	4.6
75-69-4	Trichlorofluoromethane	289		10	8.8
75-01-4	Vinyl chloride	264		10	9.0
1330-20-7	Xylenes, Total	498		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0458.D
 Lims ID: 480-138526-B-1 MSD
 Client ID: OW-01 070618
 Sample Type: MSD
 Inject. Date: 10-Jul-2018 20:37:30 ALS Bottle#: 23 Worklist Smp#: 33
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-138526-b-1 msd
 Misc. Info.: 480-0072965-033
 Operator ID: ZV Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Jul-2018 18:51:48 Calib Date: 25-Jun-2018 23:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180625-72610.b\T0022.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK039

First Level Reviewer: milligana

Date: 10-Jul-2018 20:59:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.880	4.880	0.000	97	174646	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.180	-0.010	90	738248	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.046	-0.011	96	435995	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	92	232262	25.0	26.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	295065	25.0	27.4	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.042	0.000	95	788655	25.0	24.7	
\$ 7 4-Bromofluorobenzene (Surr	174	8.113	8.101	0.000	0	259245	25.0	26.5	
11 Dichlorodifluoromethane	85	1.253	1.232	0.021	97	284709	25.0	31.5	
13 Chloromethane	50	1.408	1.418	-0.010	99	367508	25.0	23.9	
14 Vinyl chloride	62	1.491	1.491	0.000	97	322816	25.0	26.4	
15 Bromomethane	94	1.791	1.781	0.010	94	193580	25.0	22.7	
16 Chloroethane	64	1.854	1.854	0.000	97	186555	25.0	24.7	
17 Trichlorofluoromethane	101	2.061	2.061	0.000	97	441340	25.0	28.9	
22 1,1-Dichloroethene	96	2.527	2.538	-0.011	91	200773	25.0	23.8	
20 1,1,2-Trichloro-1,2,2-trif	101	2.538	2.548	-0.010	95	239886	25.0	25.3	
23 Acetone	43	2.641	2.641	0.000	97	366941	125.0	116.4	
25 Carbon disulfide	76	2.714	2.714	0.000	98	602109	25.0	23.1	
28 Methyl acetate	43	2.900	2.911	-0.011	100	345791	50.0	42.8	
30 Methylene Chloride	84	3.004	3.004	0.000	93	239130	25.0	22.0	
33 Methyl tert-butyl ether	73	3.190	3.180	0.010	96	598129	25.0	23.0	
32 trans-1,2-Dichloroethene	96	3.201	3.190	0.011	92	234238	25.0	24.9	
36 1,1-Dichloroethane	63	3.564	3.564	0.000	97	471372	25.0	25.4	
43 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	87	314343	25.0	27.6	
44 2-Butanone (MEK)	43	4.051	4.061	-0.010	97	542746	125.0	123.7	
50 Chloroform	83	4.289	4.289	0.000	95	429124	25.0	24.3	
51 1,1,1-Trichloroethane	97	4.382	4.382	0.000	97	429656	25.0	29.6	
52 Cyclohexane	56	4.382	4.393	-0.011	96	552436	25.0	28.6	
53 Carbon tetrachloride	117	4.496	4.496	0.000	96	363252	25.0	29.2	
55 Benzene	78	4.662	4.662	0.000	91	840296	25.0	23.8	
57 1,2-Dichloroethane	62	4.724	4.724	0.000	96	414230	25.0	24.8	
60 Trichloroethene	95	5.149	5.149	0.000	92	740143	25.0	74.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83	5.242	5.242	0.000	97	430988	25.0	26.3	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	87	254198	25.0	25.1	
67 Dichlorobromomethane	83	5.564	5.564	0.000	95	302449	25.0	25.6	
71 cis-1,3-Dichloropropene	75	5.885	5.885	0.000	84	315754	25.0	23.7	
72 4-Methyl-2-pentanone (MIBK)	43	5.988	5.980	-0.001	99	1216210	125.0	132.3	
73 Toluene	92	6.102	6.094	0.000	98	598034	25.0	23.9	
75 trans-1,3-Dichloropropene	75	6.310	6.301	0.000	96	292658	25.0	24.2	
78 1,1,2-Trichloroethane	83	6.455	6.456	-0.010	93	157285	25.0	22.8	
79 Tetrachloroethene	166	6.507	6.497	0.000	93	289856	25.0	25.9	
81 2-Hexanone	43	6.621	6.611	0.000	99	806557	125.0	127.4	
82 Chlorodibromomethane	129	6.766	6.756	0.000	89	235922	25.0	28.7	
83 Ethylene Dibromide	107	6.849	6.839	0.000	97	201546	25.0	24.5	
86 Chlorobenzene	112	7.201	7.191	0.000	94	707410	25.0	24.5	
88 Ethylbenzene	91	7.253	7.242	0.000	98	1155820	25.0	24.8	
90 m-Xylene & p-Xylene	106	7.346	7.335	0.000	0	457769		25.0	
91 o-Xylene	106	7.667	7.656	0.000	98	439182		24.8	
92 Styrene	104	7.688	7.677	0.000	95	747743	25.0	25.3	
93 Bromoform	173	7.885	7.874	0.000	95	114374	25.0	27.0	
95 Isopropylbenzene	105	7.947	7.938	0.000	96	1221569	25.0	25.1	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.249	0.000	97	233229	25.0	23.2	
110 1,3-Dichlorobenzene	146	8.983	8.973	0.000	98	646309	25.0	24.5	
113 1,4-Dichlorobenzene	146	9.056	9.046	0.000	95	661067	25.0	24.0	
116 1,2-Dichlorobenzene	146	9.377	9.366	0.000	97	616370	25.0	24.4	
117 1,2-Dibromo-3-Chloropropan	75	10.040	10.039	-0.011	77	38396	25.0	28.1	
119 1,2,4-Trichlorobenzene	180	10.693	10.681	0.000	95	416831	25.0	23.6	
S 126 Xylenes, Total	1				0			49.8	

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00290

Amount Added: 12.50

Units: uL

T_8260_IS_00196

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00173

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180710-72965.b\T0458.D

Injection Date: 10-Jul-2018 20:37:30

Instrument ID: HP5975T

Operator ID: ZV

Lims ID: 480-138526-B-1 MSD

Worklist Smp#: 33

Client ID: OW-01 070618

Purge Vol: 5.000 mL

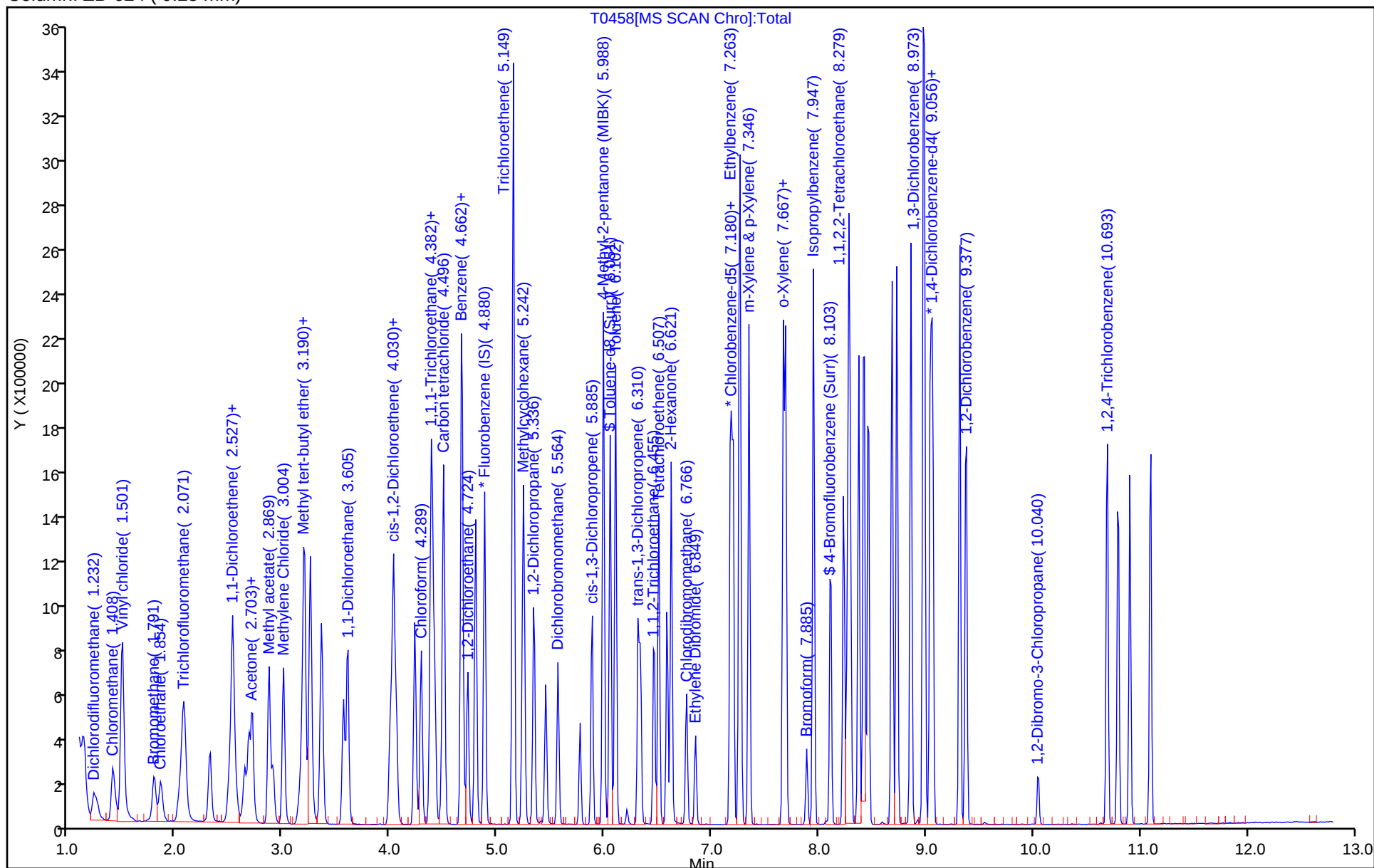
Dil. Factor: 10.0000

ALS Bottle#: 23

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138526-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 06/20/2018 12:54Analysis Batch Number: 420621End Date: 06/20/2018 22:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-420621/3		06/20/2018 12:54	1	S2504.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/5		06/20/2018 13:51	1	S2506.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/6		06/20/2018 14:14	1	S2507.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/7		06/20/2018 14:38	1	S2508.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/8		06/20/2018 15:01	1	S2509.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/9		06/20/2018 15:24	1	S2510.D	ZB-624 (20) 0.18 (mm)
ICIS 480-420621/10		06/20/2018 15:48	1	S2511.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/11		06/20/2018 16:11	1	S2512.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/12		06/20/2018 16:34	1	S2513.D	ZB-624 (20) 0.18 (mm)
MDLV 480-420621/14		06/20/2018 17:21	1		ZB-624 (20) 0.18 (mm)
MDLV 480-420621/15		06/20/2018 17:44	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/17		06/20/2018 18:31	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/18		06/20/2018 18:54	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/19		06/20/2018 19:17	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/20		06/20/2018 19:41	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/21		06/20/2018 20:04	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/22		06/20/2018 20:27	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/23		06/20/2018 20:51	1		ZB-624 (20) 0.18 (mm)
MDLV 480-420621/25		06/20/2018 21:37	1		ZB-624 (20) 0.18 (mm)
ICV 480-420621/26		06/20/2018 22:01	1		ZB-624 (20) 0.18 (mm)
ICV 480-420621/27		06/20/2018 22:24	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138526-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 07/09/2018 18:35Analysis Batch Number: 423625End Date: 07/10/2018 04:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-423625/1		07/09/2018 18:35	1	S3276.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-423625/2		07/09/2018 19:03	1	S3277.D	ZB-624 (20) 0.18 (mm)
CCV 480-423625/3		07/09/2018 19:27	1		ZB-624 (20) 0.18 (mm)
LCS 480-423625/4		07/09/2018 19:50	1	S3279.D	ZB-624 (20) 0.18 (mm)
RL 480-423625/5		07/09/2018 20:26	1		ZB-624 (20) 0.18 (mm)
MB 480-423625/6		07/09/2018 20:49	1	S3281.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/09/2018 21:32	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/09/2018 21:55	20		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/09/2018 22:18	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/09/2018 22:42	20		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/09/2018 23:05	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/09/2018 23:28	20		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/09/2018 23:51	4		ZB-624 (20) 0.18 (mm)
480-138526-1		07/10/2018 00:15	1	S3289.D	ZB-624 (20) 0.18 (mm)
480-138526-2		07/10/2018 00:38	1	S3290.D	ZB-624 (20) 0.18 (mm)
480-138526-3		07/10/2018 01:01	1	S3291.D	ZB-624 (20) 0.18 (mm)
480-138526-4		07/10/2018 01:24	1	S3292.D	ZB-624 (20) 0.18 (mm)
480-138526-5		07/10/2018 01:48	1	S3293.D	ZB-624 (20) 0.18 (mm)
480-138526-6		07/10/2018 02:11	1	S3294.D	ZB-624 (20) 0.18 (mm)
480-138526-8		07/10/2018 02:34	1	S3296.D	ZB-624 (20) 0.18 (mm)
480-138526-9		07/10/2018 02:58	1	S3297.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 03:21	4		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 03:44	1		ZB-624 (20) 0.18 (mm)
480-138526-1 MS		07/10/2018 04:07	1	S3300.D	ZB-624 (20) 0.18 (mm)
480-138526-1 MSD		07/10/2018 04:31	1	S3301.D	ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138526-1

SDG No.: _____

Instrument ID: HP5975TStart Date: 06/25/2018 15:30Analysis Batch Number: 421443End Date: 06/26/2018 00:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-421443/5		06/25/2018 15:30	1	T0002.D	ZB-624 (20) 0.18 (mm)
IC 480-421443/7		06/25/2018 16:17	1	T0004.D	ZB-624 (20) 0.18 (mm)
IC 480-421443/8		06/25/2018 16:40	1	T0005.D	ZB-624 (20) 0.18 (mm)
IC 480-421443/9		06/25/2018 17:04	1	T0006.D	ZB-624 (20) 0.18 (mm)
IC 480-421443/10		06/25/2018 17:27	1	T0007.D	ZB-624 (20) 0.18 (mm)
IC 480-421443/11		06/25/2018 17:51	1	T0008.D	ZB-624 (20) 0.18 (mm)
ICIS 480-421443/12		06/25/2018 18:15	1	T0009.D	ZB-624 (20) 0.18 (mm)
IC 480-421443/13		06/25/2018 18:39	1	T0010.D	ZB-624 (20) 0.18 (mm)
IC 480-421443/14		06/25/2018 19:02	1	T0011.D	ZB-624 (20) 0.18 (mm)
MDLV 480-421443/16		06/25/2018 19:49	1		ZB-624 (20) 0.18 (mm)
MDLV 480-421443/17		06/25/2018 20:13	1		ZB-624 (20) 0.18 (mm)
IC 480-421443/19		06/25/2018 21:01	1		ZB-624 (20) 0.18 (mm)
IC 480-421443/20		06/25/2018 21:25	1		ZB-624 (20) 0.18 (mm)
IC 480-421443/21		06/25/2018 21:49	1		ZB-624 (20) 0.18 (mm)
IC 480-421443/22		06/25/2018 22:13	1		ZB-624 (20) 0.18 (mm)
IC 480-421443/23		06/25/2018 22:37	1		ZB-624 (20) 0.18 (mm)
IC 480-421443/24		06/25/2018 23:01	1		ZB-624 (20) 0.18 (mm)
IC 480-421443/25		06/25/2018 23:24	1		ZB-624 (20) 0.18 (mm)
MDLV 480-421443/27		06/26/2018 00:11	1		ZB-624 (20) 0.18 (mm)
ICV 480-421443/28		06/26/2018 00:35	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138526-1

SDG No.: _____

Instrument ID: HP5975TStart Date: 07/10/2018 08:40Analysis Batch Number: 423660End Date: 07/10/2018 20:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-423660/2		07/10/2018 08:40	1	T0437.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-423660/3		07/10/2018 09:14	1	T0438.D	ZB-624 (20) 0.18 (mm)
CCV 480-423660/4		07/10/2018 09:47	1		ZB-624 (20) 0.18 (mm)
LCS 480-423660/5		07/10/2018 10:18	1	T0440.D	ZB-624 (20) 0.18 (mm)
RL 480-423660/6		07/10/2018 11:47	1		ZB-624 (20) 0.18 (mm)
MB 480-423660/7		07/10/2018 12:11	1	T0442.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 14:39	5		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 15:03	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 15:27	25		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 15:51	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 16:15	8		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 16:39	1		ZB-624 (20) 0.18 (mm)
480-138526-1 DL		07/10/2018 17:03	10	T0449.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 17:26	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 17:50	80		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 18:14	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 18:38	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 19:02	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/10/2018 19:26	1		ZB-624 (20) 0.18 (mm)
480-138526-7		07/10/2018 19:49	1	T0456.D	ZB-624 (20) 0.18 (mm)
480-138526-1 MS DL		07/10/2018 20:13	10	T0457.D	ZB-624 (20) 0.18 (mm)
480-138526-1 MSD DL		07/10/2018 20:37	10	T0458.D	ZB-624 (20) 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Batch Number: 423625 Batch Start Date: 07/09/18 18:35 Batch Analyst: Carroll, Nicole MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00128	BFB_WRK 00072	GAS CORP mix 00290
BFB 480-423625/1		8260C		1 uL	1 uL			1 uL	
CCVIS 480-423625/2		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-423625/4		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-423625/6		8260C		5 mL	5 mL				
480-138526-A-1	OW-01 070618	8260C	T	5 mL	5 mL	<2 SU			
480-138526-A-2	OW-02 070618	8260C	T	5 mL	5 mL	<2 SU			
480-138526-A-3	OW-03 070618	8260C	T	5 mL	5 mL	<2 SU			
480-138526-A-4	OW-04/08 070618	8260C	T	5 mL	5 mL	<2 SU			
480-138526-A-5	OW-05 070618	8260C	T	5 mL	5 mL	<2 SU			
480-138526-A-6	OW-07 070618	8260C	T	5 mL	5 mL	<2 SU			
480-138526-A-8	OW-09 070618	8260C	T	5 mL	5 mL	<2 SU			
480-138526-A-9	BLIND DUP	8260C	T	5 mL	5 mL	<2 SU			
480-138526-A-1 MS	OW-01 070618	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-138526-A-1 MSD	OW-01 070618	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00294	S_8260_Surr 00276	AnalysisComment			
BFB 480-423625/1		8260C							
CCVIS 480-423625/2		8260C		1 uL	1 uL				
LCS 480-423625/4		8260C		1 uL	1 uL				
MB 480-423625/6		8260C		1 uL	1 uL				
480-138526-A-1	OW-01 070618	8260C	T	1 uL	1 uL	RA DL@10x			
480-138526-A-2	OW-02 070618	8260C	T	1 uL	1 uL				
480-138526-A-3	OW-03 070618	8260C	T	1 uL	1 uL				
480-138526-A-4	OW-04/08 070618	8260C	T	1 uL	1 uL				
480-138526-A-5	OW-05 070618	8260C	T	1 uL	1 uL				
480-138526-A-6	OW-07 070618	8260C	T	1 uL	1 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260C

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Batch Number: 423625 Batch Start Date: 07/09/18 18:35 Batch Analyst: Carroll, Nicole MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00294	S_8260_Surr 00276	AnalysisComment			
480-138526-A-8	OW-09 070618	8260C	T	1 uL	1 uL				
480-138526-A-9	BLIND DUP	8260C	T	1 uL	1 uL				
480-138526-A-1 MS	OW-01 070618	8260C	T	1 uL	1 uL	Client QC, rerunning @10x			
480-138526-A-1 MSD	OW-01 070618	8260C	T	1 uL	1 uL	Client QC, rerunning @10x			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260C

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138526-1

SDG No.: _____

Batch Number: 423660 Batch Start Date: 07/10/18 08:40 Batch Analyst: Milligan, Amanda EBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00128	BFB_WRK 00071	GAS CORP mix 00290
BFB 480-423660/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-423660/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-423660/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-423660/7		8260C		5 mL	5 mL				
480-138526-B-1	OW-01 070618	8260C	T	5 mL	5 mL	<2 SU			
480-138526-B-7	OW-04 070618	8260C	T	5 mL	5 mL	<2 SU			
480-138526-B-1 MS	OW-01 070618	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-138526-B-1 MSD	OW-01 070618	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	T_8260_IS 00196	T_8260_Surr 00173	AnalysisComment			
BFB 480-423660/2		8260C							
CCVIS 480-423660/3		8260C		1 uL	1 uL				
LCS 480-423660/5		8260C		1 uL	1 uL				
MB 480-423660/7		8260C		1 uL	1 uL				
480-138526-B-1	OW-01 070618	8260C	T	1 uL	1 uL	DL...Targets			
480-138526-B-7	OW-04 070618	8260C	T	1 uL	1 uL				
480-138526-B-1 MS	OW-01 070618	8260C	T	1 uL	1 uL				
480-138526-B-1 MSD	OW-01 070618	8260C	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: Joseph C. Lu Eng & Land Surveying PC

Job Number: 480-138526-1

Login Number: 138526
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

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 (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No dates provided - bottles or COC.
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.	False	All vials have headspace
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	Lu Engr.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7):

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.
- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the 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. C835008

Site Name Former Griffin Technology Site

Site Address: 6132 Victor Manchester Road **Zip Code:** 14425

City/Town: Farmington

County: Ontario

Site Acreage: 3.640

Reporting Period: September 15, 2010 to April 30, 2019

- | | 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.

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C835008**Box 3****Description of Institutional Controls**

Parcel
29.00-1-12.00

Owner
ARFCOM Holdings, LLC

Institutional Control

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction
Site Management Plan

The potential for vapor intrusion for the existing building and/or any building(s) on the site must be evaluated, and mitigation implemented, if necessary, prior to occupancy of the structure(s).

Continued groundwater monitoring.

Public water is supplied to the site.

Site is restricted to commercial use only.

Groundwater use is ~~restricted~~ ^{restricted GUA} without approval from NYSDEC and NYSDOH.

Soils beneath the building footprint require evaluation if the building is demolished or excavation of those soils is initiated. Excavated soils intended to be removed from the site must be managed and characterized, and properly disposed of in accordance with NYSDEC regulations.

29.00-1-76.1

ARFCOM Holdings, LLC

Site Management Plan
Building Use Restriction
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction

The potential for vapor intrusion for the existing building and/or any building(s) on the site must be evaluated, and mitigation implemented, if necessary, prior to occupancy of the structure(s).

Continued groundwater monitoring.

Public water is supplied to the site.

Site is restricted to commercial use only.

Groundwater use is ~~restricted~~ ^{restricted GUA} without approval from NYSDEC and NYSDOH.

Soils beneath the building footprint require evaluation if the building is demolished or excavation of those soils is initiated. Excavated soils intended to be removed from the site must be managed and characterized, and properly disposed of in accordance with NYSDEC regulations.

Box 4

Description of Engineering Controls

Parcel
29.00-1-76.1

Engineering Control

Vapor Mitigation

(if occupied building constructed in future) GUA

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.

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.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C835008

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 Gregory L. Andrus, P.E. at 339 East Ave Site 200 Rochester, NY 14604
print name print business address

am certifying as Remedial Party Representative (Owner or Remedial Party)

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


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

5/22/19
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 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 _____ at _____
print name print business address

am certifying as a Professional Engineer for the _____
(Owner or Remedial Party)

Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification

Stamp
(Required for PE)

Date