New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 12th Floor
625 Broadway, Albany, New York 12233-7015
Phone: (518) 402-9620 • **Fax:** (518) 402-9627
Website: www.dec.ny.gov

MEMORANDUM

TO: FILE

FROM: Brian Jankauskas, PE

SUBJECT: **VOC Groundwater Sampling December 2017 & May 2018**

Site Name: Farmingdale Plaza Cleaners **Site Code:** 130107

City: Farmingdale **County:** Nassau

DATE: August 29, 2018

The Farmingdale Plaza Cleaners site is located in Farmingdale, New York (see Figure 1). Volatile Organic Compound (VOC) groundwater monitoring was performed at the above-referenced site by the New York State Department of Environmental Conservation (NYSDEC) to assess current conditions within the off-site plume known as Plume B, which primarily consists of tetrachloroethene (PCE). Plume A is associated with the nearby Liberty Industrial Finishing site (see Figure 1) and primarily consists of trichloroethene (TCE). Contamination located within Plume A is presently being captured by a groundwater pump and treat system for the Liberty Industrial Finishing site. Details of the groundwater monitoring activities are presented below.

Groundwater Monitoring Procedures

In December 2017, a groundwater sampling event was performed to assess PCE contamination within Plume A. On December 5, 2017, passive diffusion bags (PDB) were set within the well screen at six monitoring wells, identified as MW-28C, MW-28D, MW-37C, MW-46C, MW-47C, and MW-48C, to equilibrate. On December 21, 2017, the PDB were retrieved and their contents were poured into laboratory provided containers. Groundwater monitoring activities were performed in accordance with EPA Region 4 Groundwater Sampling Procedures, dated April 26, 2017. Field notes are included in Appendix A.

On May 16, 2018, a groundwater sampling event was performed to assess emerging contaminants from select monitoring wells within Plume B, but also to collect samples for site contaminants. Groundwater monitoring was performed at two monitoring wells, identified as MW-28C and MW-28D, by purging each monitoring well with new HDPE and silicone tubing that was connected to a peristaltic pump, which operated at a low flow (~300 milliliters per minute). The goal was to maintain groundwater elevation and induce groundwater flow from the aquifer into the monitoring well at the pump intake. Groundwater parameters (e.g. pH, conductivity, turbidity, dissolved

oxygen, temperature, and oxidation reduction potential) were recorded at set intervals (~5 minutes) to determine when groundwater parameters stabilized. When groundwater parameters stabilized, three consecutive similar readings, samples were collected. Groundwater monitoring activities were performed in accordance with EPA Region 2 Ground Water Sampling Procedure for Low Stress Purging and Sampling, dated March 16, 1998. Purge logs are provided in Appendix A. Purge water was processed through a carbon filter near the monitoring wells.

Samples were provided to Test America Laboratories, Inc., a New York State Department of Health NELAP-certified laboratory. Samples were analyzed for VOCs by method 8260C. The laboratory results are included in Appendix B. Quality assurance/quality control (QA/QC) samples were also obtained to verify the quality of the sampling program. A duplicate and trip blank were collected during each event and an equipment blank was collected from the tubing during the second event.

Groundwater Monitoring Results

The analytical results for December 2017 are presented in Table 1. The table also indicates if the monitoring well is located within Plume A and Plume B or only within Plume B. The highest PCE detection was 69 micrograms per liter (ug/l), which is above the groundwater standard of 5 ug/l, at MW-46C located within Plume A. Monitoring well MW-37C is located upgradient of MW-46C by ~800 feet and detected PCE at 5.2 ug/l, which is just above the groundwater standard. The highest PCE result outside of Plume A, but still within Plume B was 40 ug/l at monitoring well MW-28D. Monitoring well MW-48C is located upgradient of MW-28D by ~800 feet and detected PCE at 6.5 ug/l, which is just above the groundwater standard. The downgradient monitoring well, identified as MW-47C, is located ~800 south of MW-28D and did not detect PCE. Based on this information the length of the PCE contamination within Plume B is believed to be less than 1,600 feet. Other contaminants, identified as TCE, cis-1,2-dichloroethene, benzene, and dichlorodifluoromethane (Freon 12), were detected above the associated groundwater standard at select locations. These detections are not believed to be a result of historical operations at the site because they were likely used for other operations besides dry cleaning or part of Plume A.

The analytical results for May 2018 are presented in Table 2. The highest PCE detection was 60 ug/l at MW-28D. The sample from MW-28C detected PCE (46 ug/l) and tert-butyl methyl ether (15 ug/l) above the associated groundwater standard. The tert-butyl methyl ether is a petroleum additive and is not believed to be a result of historical operations at the site. The emerging contaminant sampling results will be reported on in a subsequent memo.

Based on the review of the QA/QC samples and the laboratory narrative, the analytical results are usable for assessing groundwater conditions.

An evaluation of PCE trends at MW-28C and MW-28D indicates that the PCE results are similar with previous sample results from the monitoring well network, see Table 3 below. The main noticeable fluctuation was the increase in PCE concentrations in May 2018, which may be a result of seasonal variation.

Table 3: PCE Trends at MW-28C and MW-28D from 2012 to 2018

Sample Date	MW-28C	MW-28D
March 2012	74 ug/l	78 ug/l
August 2015	48 ug/l	42 ug/l
April 2017	41 ug/l	36 ug/l
December 2017	20 ug/l	40 ug/l
May 2018	46 ug/l	60 ug/l

N

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

0 500 1,000 Feet

1 in = 1,000 feet

Figure 1: Monitoring Well Location Map
Farmingdale Plaza Cleaners - Farmingdale, NY
Site Number 130107

Legend

- Monitoring Well
- Remediation Sites

Table 1 - December 21, 2017 Groundwater Volatile Organic Compound Results
Farmingdale Plaza Cleaners (130107) Farmingdale, NY

Location	MW-28C			MW-28C (duplicate)			MW-28D			MW-37C			MW-46C			MW-47C			MW-48C			Trip Blank			
Plume	B			B			B			A & B			A & B			B			B						
Sample Date	21 Dec 2017			21 Dec 2017			21 Dec 2017			21 Dec 2017			21 Dec 2017			21 Dec 2017			21 Dec 2017			21 Dec 2017			
Screened Interval	112 - 122 ft			112 - 122 ft			171 - 181 ft			109 - 119 ft			140 - 150 ft			141.5 - 151.5 ft			115 - 125 ft						
Chemical Name	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	Groundwater Standard
Ethylbenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Styrene	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	UT	ug/l	1	U	ug/l	5
Cis-1,3-Dichloropropene	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	0.4
Trans-1,3-Dichloropropene	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	0.4
1,4-Dichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	3
1,2-Dibromoethane (Ethylene Dibromide)	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	0.0006
1,2-Dichloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	0.6
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	5	U	ug/l	5	U	ug/l	5	U	ug/l	10	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	NC
Methylcyclohexane	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	NC
Toluene	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Chlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Cyclohexane	0.67	J	ug/l	1	U	ug/l	0.4	J	ug/l	2	U	ug/l	0.47	J	ug/l	0.38	J	ug/l	0.84	J	ug/l	1	U	ug/l	NC
1,2,4-Trichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Dibromochloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	50
Tetrachloroethylene (PCE)	20		ug/l	21		ug/l	40		ug/l	5.2		ug/l	69		ug/l	1	U	ug/l	6.5		ug/l	1	U	ug/l	5
Cis-1,2-Dichloroethylene	1	U	ug/l	1	U	ug/l	1	U	ug/l	5.2		ug/l	2.2		ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Trans-1,2-Dichloroethene	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Tert-Butyl Methyl Ether	2.9		ug/l	3.2		ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	10
m,p-Xylene	2	U	ug/l	2	U	ug/l	2	U	ug/l	4	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	5
1,3-Dichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	3
Carbon Tetrachloride	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
2-Hexanone	5	U	ug/l	5	U	ug/l	5	U	ug/l	10	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	50
Acetone	10	U	ug/l	4.2	J	ug/l	12		ug/l	12	J	ug/l	16		ug/l	12		ug/l	14		ug/l	3.3	J	ug/l	50
Chloroform	1	U	ug/l	1	U	ug/l	0.63	J	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	7
Benzene	1.6		ug/l	1.7		ug/l	0.46	J	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	15		ug/l	1	U	ug/l	1
1,1,1-Trichloroethane (TCA)	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Bromomethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Chloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	UT	ug/l	1	U	ug/l	5
Bromochloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	50
Chloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	UT	ug/l	1	U	ug/l	5
Vinyl Chloride	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	2
Methylene Chloride	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Carbon Disulfide	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	60
Bromoform	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	50
Bromodichloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	50
1,1-Dichloroethane	1	U	ug/l	1	U	ug/l	1.7		ug/l	2	U	ug/l	1	U	ug/l	0.51	J	ug/l	1	U	ug/l	1	U	ug/l	5
1,1-Dichloroethene	1	U	ug/l	1	U	ug/l	0.92	J	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Trichlorofluoromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	UT	ug/l	1	U	ug/l	5
Dichlorodifluoromethane	1	U	ug/l	1.6		ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	11		ug/l	1	U	ug/l	1	U	ug/l	5
1,1,2-Trichloro-1,2,2-Trifluoroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
1,2-Dichloropropane	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1
Methyl Ethyl Ketone (2-Butanone)	10	U	ug/l	10	U	ug/l	10	U	ug/l	20	U	ug/l	10	U	ug/l	10	U	ug/l	10	U	ug/l	10	U	ug/l	50
1,1,2-Trichloroethane	1	U	ug/l	1	U	ug/l	0.45	J	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1
Trichloroethylene (TCE)	0.93	J	ug/l	1		ug/l	1	U	ug/l	92		ug/l	9		ug/l	1	U	ug/l	2.6		ug/l	1	U	ug/l	5
Methyl Acetate	2.5	U	ug/l	2.5	U	ug/l	2.5	U	ug/l	5	U	ug/l	2.5	U	ug/l	2.5	U	ug/l	2.5	U	ug/l	2.5	U	ug/l	NC
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
1,2,3-Trichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
O-Xylene (1,2-Dimethylbenzene)	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
1,2-Dichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	2.7		ug/l	1	U	ug/l	3
1,2-Dibromo-3-Chloropropane	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	0.04
Isopropylbenzene (Cumene)	1	U	ug/l	1	U	ug/l	1	U	ug/l	2	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5

notes: Groundwater Standards are from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1)

NC	No Criteria
ug/l	micrograms per liter
U	not detected above the level of the associated quantitation limit.
J	positively identified, numerical value is an approximate concentration.
T	Indicates that a quality control parameter has exceeded laboratory limits.

Table 2 - May 16, 2018 Groundwater Volatile Organic Compound Results
Farmingdale Plaza Cleaners (130107) Farmingdale, NY

Location	MW-28C			MW-28C (duplicate)			MW-28D			Equipment Blank			Trip Blank			
Plume	B			B			B									
Sample Date	16 May 2018			16 May 2018			16 May 2018			16 May 2018			16 May 2018			
Screened Interval	112 - 122 ft			112 - 122 ft			171 - 181 ft									Groundwater Standard
Chemical Name	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	
Ethylbenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Styrene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Cis-1,3-Dichloropropene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	0.4
Trans-1,3-Dichloropropene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	0.4
1,4-Dichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	3
1,2-Dibromoethane (Ethylene Dibromide)	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	0.0006
1,2-Dichloroethane	1	U	ug/l	1	U	ug/l	0.33	J	ug/l	1	U	ug/l	1	U	ug/l	0.6
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	NC
Methylcyclohexane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	NC
Toluene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Chlorobenzene	0.43	J	ug/l	0.41	J	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Cyclohexane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	NC
1,2,4-Trichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Dibromochloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	50
Tetrachloroethylene (PCE)	46		ug/l	46		ug/l	60		ug/l	1	U	ug/l	1	U	ug/l	5
Cis-1,2-Dichloroethylene	1	U	ug/l	0.28	J	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Trans-1,2-Dichloroethene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Tert-Butyl Methyl Ether	15		ug/l	15		ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	10
m,p-Xylene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
1,3-Dichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	3
Carbon Tetrachloride	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
2-Hexanone	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	50
Acetone	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	50
Chloroform	1	U	ug/l	1	U	ug/l	0.44	J	ug/l	1	U	ug/l	1	U	ug/l	7
Benzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1
1,1,1-Trichloroethane (TCA)	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Bromomethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Chloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Bromochloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	50
Chloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Vinyl Chloride	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	2
Methylene Chloride	1	U	ug/l	1	U	ug/l	1	U	ug/l	0.51	J	ug/l	0.3	J	ug/l	5
Carbon Disulfide	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	60
Bromoform	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	50
Bromodichloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	50
1,1-Dichloroethane	0.27	J	ug/l	1	U	ug/l	1.9		ug/l	1	U	ug/l	1	U	ug/l	5
1,1-Dichloroethene	1	U	ug/l	1	U	ug/l	1.1		ug/l	1	U	ug/l	1	U	ug/l	5

Table 2 - May 16, 2018 Groundwater Volatile Organic Compound Results
Farmingdale Plaza Cleaners (130107) Farmingdale, NY

Location	MW-28C			MW-28C (duplicate)			MW-28D			Equipment Blank			Trip Blank			
Plume	B			B			B									
Sample Date	16 May 2018			16 May 2018			16 May 2018			16 May 2018			16 May 2018			
Screened Interval	112 - 122 ft			112 - 122 ft			171 - 181 ft									Groundwater Standard
Chemical Name	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	
Trichlorofluoromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
Dichlorodifluoromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
1,1,2-Trichloro-1,2,2-Trifluoroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
1,2-Dichloropropane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1
Methyl Ethyl Ketone (2-Butanone)	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	50
1,1,2-Trichloroethane	1	U	ug/l	1	U	ug/l	0.8	J	ug/l	1	U	ug/l	1	U	ug/l	1
Trichloroethylene (TCE)	0.86	J	ug/l	0.91	J	ug/l	0.51	J	ug/l	1	U	ug/l	1	U	ug/l	5
Methyl Acetate	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	NC
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	U	ug/l	0.29	J	ug/l	1	U	ug/l	1	U	ug/l	5
1,2,3-Trichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
O-Xylene (1,2-Dimethylbenzene)	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5
1,2-Dichlorobenzene	1.2		ug/l	1.2		ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	3
1,2-Dibromo-3-Chloropropane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	0.04
Isopropylbenzene (Cumene)	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	5

notes: Groundwater Standards are from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1)

NC No Criteria

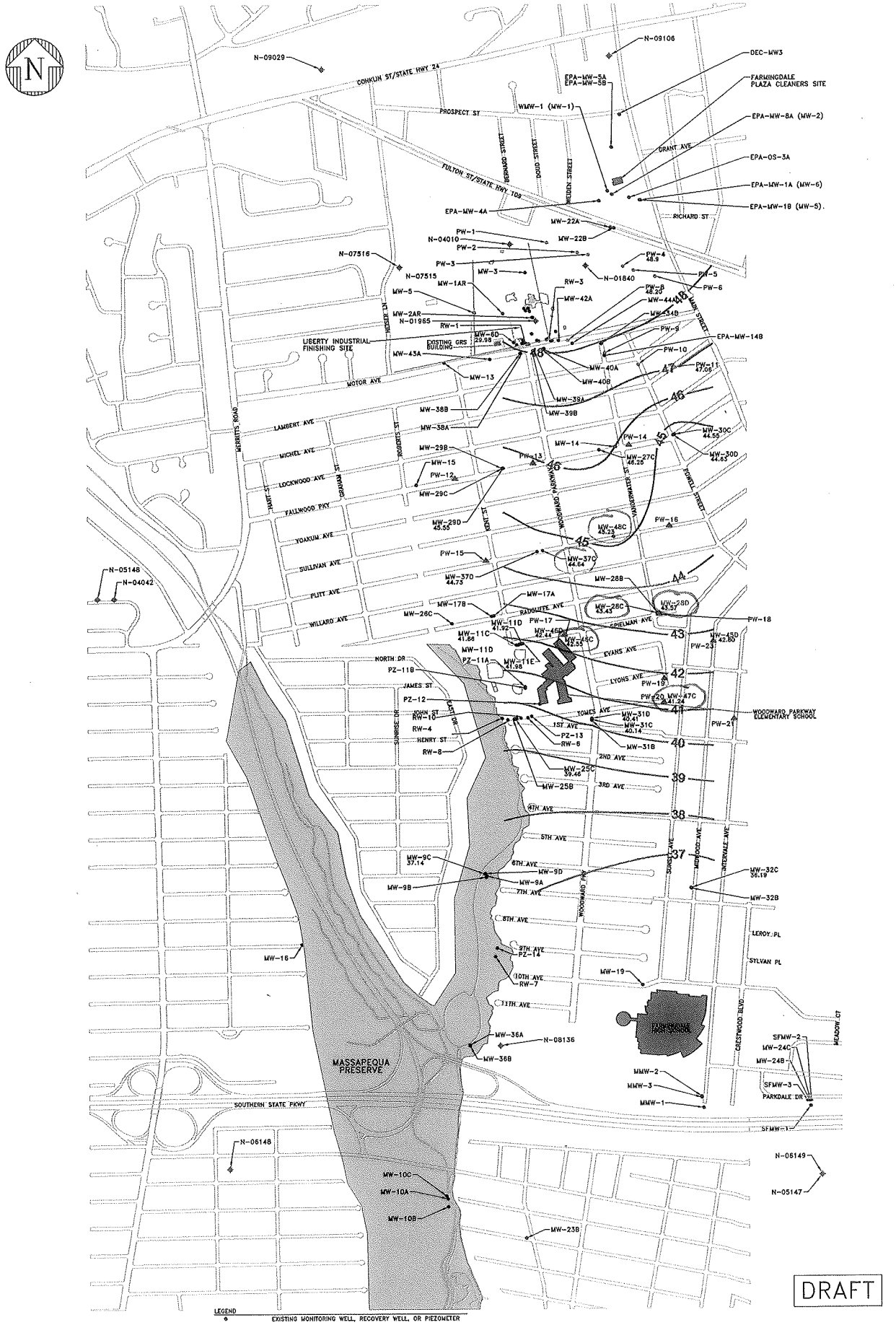
ug/l micrograms per liter

U not detected above the level of the associated quantitation limit.

J positively identified, numerical value is an approximate concentration.

Appendix A

F:\Farmingdale Cleaners\5-7-12 updates\Figure 3-4.dwg



DRAFT

LEGEND

●	EXISTING MONITORING WELL, RECOVERY WELL, OR PIEZOMETER
○	2008 FPC GROUNDWATER PROFILE WELL
△	2011 FPC GROUNDWATER PROFILE BORING
◇	2011 FPC MONITORING WELL
◈	MUNICIPAL WELL
~~32~~	GROUNDWATER ELEVATION CONTOUR MARCH 2012
29.98	GROUNDWATER ELEVATION (FEET AMSL)

SCALE IN FEET

0 800 1600 2400

ecology and environment P.C.

FIGURE 3-5 GROUNDWATER ISOPLETH MAP OF THE MAGOTHY AQUIFER
FARMINGDALE PLAZA CLEANERS SITE
FARMINGDALE, NEW YORK

12/5/17 Set Bags

12/21/17 Remove Bags

PCE

	Mar 2012	Aug 2015	April 2017
48C	34	—	11
28C	74	48	41
28D	78	42	36
47C	1.4	ND	ND

Table 5-3 Analytical Results Summary for March 2012 Groundwater Samples
Farmingdale Plaza Cleaners Site

Analyte	Screening Criteria [1]	Well ID: MW-32C [2]	MW-37C	MW-37D	MW-45D	MW-46C	MW-46D	MW-47C	MW-48C	PW01-CH0	PW01-CH5	PW03-CH0	PW03-CH2	PW03-CH5	PW04-CH0	PW04-CH5
		Date: 03/13/12	03/12/12	03/12/12	03/13/12	03/20/12	03/20/12	03/13/12	03/13/12	03/15/12	03/15/12	03/15/12	03/15/12	03/15/12	03/15/12	03/15/12
		Aquifer: Magothy	Magothy	Magothy	Magothy	Magothy	Magothy	Magothy	Magothy	Magothy	Upper Glacial	Magothy	Upper Glacial	Upper Glacial	Magothy	Upper Glacial
		End Depth (feet): 110	119	178	170	150	195	152	125	110	20	110	80	36	111	36
VOCs by Method SW8260B (µg/L)																
1,1-DICHLOROETHANE	5	0.09 U	0.09 U	0.09 U	**1.4**	0.09 U	**1.0**	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
1,2-DICHLOROBENZENE	3	**2.1**	0.06 U	**2.9**	0.06 U	0.06 U	0.06 U	0.06 U	**16**	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,4-DICHLOROBENZENE	3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	**1.9**	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
BUTANE, 2-METHOXY-2-METHYL	NA	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
CHLOROBENZENE	5	0.05 U	**1.5**	**6.3**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
CIS-1,2-DICHLOROETHENE	5	0.05 U	**15**	**8.2**	0.05 U	**2.0**	**7.7**	0.05 U	0.05 U	0.05 U	0.05 U	**1.4**	0.05 U	0.05 U	0.05 U	0.05 U
DICHLORODIFLUOROMETHANE	5	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	**20 J**	**9.3 J**	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
METHYL TERT-BUTYL ETHER (MTBE)	10	0.05 U	**1.8**	**1.1**	0.05 U	0.05 U	0.05 U	0.05 U	**1.3**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
TETRACHLOROETHENE (PCE)	5	0.14 U	**130 J**	**30**	0.14 U	**110**	**30**	**1.4**	**34**	0.14 U	**5.2 J**	**4.0 J**	**4.3 J**	**4.9 J**	**5.3 J**	0.14 U
TRICHLOROETHENE (TCE)	5	0.12 U	**86 J**	**16**	0.12 U	**12**	**6.8**	0.12 U	**4.7**	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
TOTAL CHLORINATED ALIPHATIC VOCS [5]		ND	**231**	**54**	**1.4**	**124**	**46**	**1.4**	39	ND	**5.2**	**5.4**	**4.3**	**4.9**	**5.3**	ND
MEE by Method RSK175 (mg/L)																
METHANE	NA	--	--	--	--	0.01 U	**0.32**	--	--	--	--	--	--	--	--	--
ETHANE	NA	--	--	--	--	0.1 U	0.1 U	--	--	--	--	--	--	--	--	--
ETHENE	NA	--	--	--	--	0.1 U	0.1 U	--	--	--	--	--	--	--	--	--
TOC by Method SM5310B (mg/L)																
TOTAL ORGANIC CARBON	NA	--	--	--	--	0.57 U	0.57 U	--	--	--	--	--	--	--	--	--
Ferrous Iron by Method SM3500-FE-D (mg/L)																
FERROUS IRON	NA	--	--	--	--	**0.72**	**1.3**	--	--	--	--	--	--	--	--	--
Iron by Method SW6010C (mg/L)																
IRON	0.3	--	--	--	--	**1**	**1.6**	--	--	--	--	--	--	--	--	--
Nitrite by Method SM4500 (mg/L)																
NITROGEN, NITRITE	1	--	--	--	--	**0.022**	0.006 U	--	--	--	--	--	--	--	--	--
Nitrate by Method SM4500F (mg/L)																
NITROGEN, NITRATE (AS N)	10	--	--	--	--	**6.2**	**0.35**	--	--	--	--	--	--	--	--	--
Sulfate by Method D-516-90 (mg/L)																
SULFATE (AS SO4)	250	--	--	--	--	29	44	--	--	--	--	--	--	--	--	--
Phosphate by Method SM4500 (mg/L)																
PHOSPHATE	NA	--	--	--	--	0.03 U	0.03 U	--	--	--	--	--	--	--	--	--
Dehalococcoides by qPCR (cells/ml)																
DEHALOCOCCOIDES spp.	NA	--	--	--	--	**4.2**	**1.0**	--	--	--	--	--	--	--	--	--

Key:

J = Estimated value.

NA = Standard or guidance value not available.

ND = not detected.

U = Not detected (lab reporting limit shown).

UJ = Not detected, lab reporting limit is estimated.

VOCs = Volatile organic compounds.

µg/L = Micrograms per liter.

-- = Sample not tested for this analyte.

Notes:

(1) New York State Department of Environmental Conservation, Technical and Operational Guidance Series Memorandum #1.1.1: *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, 1998 (with updates), Class GA Groundwater Standards and Guidance Values.

(2) Denotes field duplicate sample

(3) Shaded cells exceed the screening value.

(4) Bold values denote positive hits.

(5) Sum of 1,1-dichloroethane, cis-1,2-dichloroethene, PCE, and TCE only.

- EPA Plume B Figure
- ROD Plume B Figure
- Current Plume B Figure

Bags ~14"
Set ~5' off bottom of well
Dup from 28C

✓ 46C
✓ 47C
✓ 28C + D
✓ 48C
✓ 37C

6 samples

Table 5-3 Analytical Results Summary for March 2012 Groundwater Samples
Farmingdale Plaza Cleaners Site

Analyte	Screening Criteria [1]	Well ID: DEC-MW-3	EPA-MW-4A	EPA-MW-5A	EPA-MW-5B	MW-22A	MW-27C	MW-28C	MW-28D	MW-30C	MW-30D	MW-31B	MW-31C	MW-31D	MW-32C
Date:		03/21/12	03/16/12	03/16/12	03/16/12	03/21/12	03/19/12	03/12/12	03/12/12	03/12/12	03/12/12	03/20/12	03/20/12	03/20/12	03/13/12
Aquifer:		Upper Glacial	Upper Glacial	Upper Glacial	Upper Glacial	Upper Glacial	Magothy	Magothy	Magothy	Magothy	Magothy	Upper Glacial	Magothy	Magothy	Magothy
End Depth (feet):		40	37	40	86	29	119	122	181	112	176	62	121	190	110
VOCs by Method SW8260B (µg/L)															
1,1-DICHLOROETHANE	5	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	**2.5**	0.09 U	0.09 U	0.09 U	**1.8**	0.09 U	0.09 U
1,2-DICHLOROBENZENE	3	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	**1.2**	0.06 U	0.06 U	**1.1**	0.06 U	0.06 U	0.06 U	0.06 U	**2.3**
1,4-DICHLOROBENZENE	3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	**1.3**	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
BUTANE, 2-METHOXY-2-METHYL	NA	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	**0.79**	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
CHLOROBENZENE	5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
CIS-1,2-DICHLOROETHENE	5	**16**	0.05 U	0.05 U	0.05 U	**1.5**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
DICHLORODIFLUOROMETHANE	5	0.04 U	0.04 U	0.04 U	0.04 UJ	0.04 U	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	**25 J**	**14 J**	0.04 UJ
METHYL TERT-BUTYL ETHER (MTBE)	10	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**15**	0.05 U	0.05 U	0.05 U	0.05 U	**1.3**	0.05 U	0.05 U
TETRACHLOROETHENE (PCE)	5	**21**	**16 J**	**4.0 J**	0.14 U	**2.0**	**6.3**	**74**	**78**	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
TRICHLOROETHENE (TCE)	5	**3.4**	0.12 U	0.12 U	0.12 U	**1.1**	0.12 U	**1.0**	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
TOTAL CHLORINATED ALIPHATIC VOCS[5]		**40**	**16**	**4.0**	ND	**4.6**	**6.3**	75	**81**	ND	ND	ND	**1.8**	ND	ND
MEE by Method RSK175 (mg/L)															
METHANE	NA	--	--	--	--	--	0.01 U	--	--	--	--	0.01 U	0.01 U	0.01 U	--
ETHANE	NA	--	--	--	--	--	0.1 U	--	--	--	--	0.1 U	0.1 U	0.1 U	--
ETHENE	NA	--	--	--	--	--	0.1 U	--	--	--	--	0.1 U	0.1 U	0.1 U	--
TOC by Method SM5310B (mg/L)															
TOTAL ORGANIC CARBON	NA	--	--	--	--	--	**1.5**	--	--	--	--	**1.2**	**1.1**	0.57 U	--
Ferrous Iron by Method SM3500-FE-D (mg/L)															
FERROUS IRON	NA	--	--	--	--	--	0.033 U	--	--	--	--	0.033 U	**2.1**	**1.5**	--
Iron by Method SW6010C (mg/L)															
IRON	0.3	--	--	--	--	--	**0.073**	--	--	--	--	**0.062**	**2.4**	**2**	--
Nitrite by Method SM4500 (mg/L)															
NITROGEN, NITRITE	1	--	--	--	--	--	0.006 U	--	--	--	--	0.006 U	**0.01**	0.006 U	--
Nitrate by Method SM4500F (mg/L)															
NITROGEN, NITRATE (AS N)	10	--	--	--	--	--	**6.3**	--	--	--	--	--	**0.12**	0.036 U	--
Sulfate by Method D-516-90 (mg/L)															
SULFATE (AS SO4)	250	--	--	--	--	--	**24**	--	--	--	--	**22**	**39**	**42**	--
Phosphate by Method SM4500 (mg/L)															
PHOSPHATE	NA	--	--	--	--	--	0.03 U	--	--	--	--	**0.052**	0.03 U	0.03 U	--
Dehalococcoides by qPCR (cells/ml)															
DEHALOCOCCOIDES spp.	NA	--	--	--	--	--	**0.6**	--	--	--	--	**27.5**	0.50 U	**23.2**	--

Key:

J = Estimated value.

NA = Standard or guidance value not available.

ND = not detected.

U = Not detected (lab reporting limit shown).

UJ = Not detected, lab reporting limit is estimated.

VOCs = Volatile organic compounds.

µg/L = Micrograms per liter.

-- = Sample not tested for this analyte.

Notes:

(1) New York State Department of Environmental Conservation, Technical and Operational Guidance Series Memorandum #1.1.1: *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, 1998 (with updates), Class GA Groundwater Standards and Guidance Values.

(2) Denotes field duplicate sample

(3) Shaded cells exceed the screening value.

(4) Bold values denote positive hits.

(5) Sum of 1,1-dichloroethane, cis-1,2-dichloroethene, PCE, and TCE only.

Monitoring Well Sampling Log

Well No.: 28
Project: Farming Dadle Plaza Dryer
Project No.: 130107
Casing Type: PVC
Screen Length:
Measuring Point: TOC
Well Diameter: 4
Well Depth:
Water Level:
Water Column:
1 Volume (gal.):

Date: 05/16/2018
Location: Farmingdale
Purge Device: peristaltic pump
Start Purge: 1:36
Stop Purge:
Tubing Type: HDPE
Sampling Device: peristatic pump
Sample Time: 1405
Sample Personnel: BEB
Sample Analyses: VOCs PFAS Dioxane

Notes: Collect DUP & MS/MSD

Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft
Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°F)	ORP (mV)	Depth to Water (ft.)	Remarks
1:36	450		6.14	0.250	10.5	1.91	14.08	94		
1:41	350		4.76	0.257	2.4	0.00	14.01	169		
1:46	325		4.81	0.259	1.6	0.00	14.06	193		
1:51	325		4.74	0.261	3.3	0.00	14.04	216		
1:56	325		4.71	0.266	4.9	0.00	13.98	211		
2:01			4.67	0.261	3.00	0.00	14.01	216		

Monitoring Well Sampling Log

Well No.: MW 28D
Project: Farmingdale Plaza Cleaners
Project No.: 130107
Casing Type: PVC
Screen Length:
Measuring Point: TOC
Well Diameter: 2
Well Depth:
Water Level:
Water Column:
1 Volume (gal.):

Date: 5/16/18
Location: Farmingdale Plaza Cleaners
Purge Device: Peristaltic pump
Start Purge: 132
Stop Purge:
Tubing Type: HDPE
Sampling Device: peristaltic pump
Sample Time: 845
Sample Personnel: BFJ
Sample Analyses: VOCs PFAS Dioxane

Notes: Collect Equipment Blank & tubing

Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft

Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°F)	ORP (mV)	Depth to Water (ft.)	Remarks
136	350		4.99	0.182	20.2	1.86	14.85	273		clear
141	350		4.26	0.173	23.5	0.00	14.35	286		
146	350		3.96	0.167	8.6	0.00	14.16	289		
151	350		3.86	0.167	6.2	0.00	14.04	289		
202			3.77	0.165	4.1	0.00	14.03	289		
217			3.70	0.166	1.5	0.00	13.93	289		
223			3.70	0.166	0.6	0.00	13.92	289		
225										

Appendix B

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-129453-1

Job Description: DEC Farmingdale Plaza Cleaners #130107

Contract Number: C008010

For:
New York State D.E.C.
625 Broadway 9th Floor
Albany, NY 12233-7258

Attention: Mr. Brian Jankauskas

Approved for release.
Thomas A Chupela
Project Management Assistant I
1/9/2018 10:10 AM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
01/09/2018

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Job Number: 480-129453-1

Job Description: DEC Farmingdale Plaza Cleaners #130107

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

Approved for release.
Thomas A Chupela
Project Management Assistant I
1/9/2018 10:10 AM

Designee for
Melissa Haas

Table of Contents

Table of Contents

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC Farmingdale Plaza Cleaners #130107

Report Number: 480-129453-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

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

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

RECEIPT
The samples were received on 12/23/2017 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples MW-48C-122117 (480-129453-1), MW-37C-122117 (480-129453-2), MW-28C-122117 (480-129453-3), DUP-122117 (480-129453-4), MW-28D-122117 (480-129453-5), MW-47C-122117 (480-129453-6), TB-122117 (480-129453-7) and MW-46C-122117 (480-129453-8) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 12/26/2017.

The continuing calibration verification (CCV) associated with batch 480-393586 recovered outside acceptance criteria, low biased, for 2-Hexanone, Cyclohexane, and 4-Methyl-2-pentanone (MIBK). A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The following sample is impacted: TB-122117 (480-129453-7).

The continuing calibration verification (CCV) associated with batch 480-393593 recovered outside acceptance criteria, low biased, for 1,1-Dichloroethene and 1,1,2-Trichloro-1,2,2-trifluoroethane. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The following samples are impacted: MW-48C-122117 (480-129453-1), MW-37C-122117 (480-129453-2), MW-28C-122117 (480-129453-3), DUP-122117 (480-129453-4), MW-47C-122117 (480-129453-6) and MW-46C-122117 (480-129453-8).

The continuing calibration verification (CCV) associated with batch 480-393593 recovered outside acceptance criteria, low biased, for 1,1,2-Trichloro-1,2,2-trifluoroethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated sample was non-detect for this analyte, the data have been reported. The following sample is impacted: MW-28D-122117 (480-129453-5).

The continuing calibration verification (CCV) associated with batch 480-393593 recovered outside acceptance criteria, low biased, for 1,1-Dichloroethene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since 1,1-Dichloroethene was not detected above the reporting limit, the data have been reported. The following sample is impacted: MW-28D-122117 (480-129453-5).

The initial calibration curve analyzed in analytical batch 480-390433 and associated with analytical batch 480-393586 was outside acceptance criteria for 1,4-Dioxane. A standard at the reporting limit (RL) was analyzed and found to be acceptable. Since the sample was non-detect for this analyte, the data has been reported. The following sample is impacted: TB-122117 (480-129453-7).

Trichlorofluoromethane failed the recovery criteria low for the Matrix Spike (MS) of sample MW-48C-122117MS (480-129453-1) in batch 480-393593. Chloromethane and Styrene failed the recovery criteria high.

Chloroethane exceeded the RPD limit for the Matrix Spike Duplicate (MSD) of sample MW-48C-122117MSD (480-129453-1) in batch 480-393593.

Refer to the QC report for details.

Sample MW-37C-122117 (480-129453-2)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: New York State D.E.C.
Project/Site: DEC Farmingdale Plaza Cleaners #130107

TestAmerica Job ID: 480-129453-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-129453-1	MW-48C-122117	Water	12/21/17 12:45	12/23/17 10:00
480-129453-2	MW-37C-122117	Water	12/21/17 13:05	12/23/17 10:00
480-129453-3	MW-28C-122117	Water	12/21/17 13:30	12/23/17 10:00
480-129453-4	DUP-122117	Water	12/21/17 00:00	12/23/17 10:00
480-129453-5	MW-28D-122117	Water	12/21/17 13:40	12/23/17 10:00
480-129453-6	MW-47C-122117	Water	12/21/17 14:00	12/23/17 10:00
480-129453-7	TB-122117	Water	12/21/17 00:00	12/23/17 10:00
480-129453-8	MW-46C-122117	Water	12/21/17 14:45	12/23/17 10:00

Detection Summary

Client: New York State D.E.C.
Project/Site: DEC Farmingdale Plaza Cleaners #130107

TestAmerica Job ID: 480-129453-1

Client Sample ID: MW-48C-122117 — Lab Sample ID: 480-129453-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	2.7		1.0	0.79	ug/L	1		8260C	Total/NA
Acetone	14		10	3.0	ug/L	1		8260C	Total/NA
Benzene	15		1.0	0.41	ug/L	1		8260C	Total/NA
Cyclohexane	0.84	J	1.0	0.18	ug/L	1		8260C	Total/NA
Tetrachloroethene	6.5		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	2.6		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-37C-122117 — Lab Sample ID: 480-129453-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J	20	6.0	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	5.2		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	5.2		2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	92		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: MW-28C-122117 — Lab Sample ID: 480-129453-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.6		1.0	0.41	ug/L	1		8260C	Total/NA
Cyclohexane	0.67	J	1.0	0.18	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	2.9		1.0	0.16	ug/L	1		8260C	Total/NA
Tetrachloroethene	20		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	0.93	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: DUP-122117 — Lab Sample ID: 480-129453-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.2	J	10	3.0	ug/L	1		8260C	Total/NA
Benzene	1.7		1.0	0.41	ug/L	1		8260C	Total/NA
Dichlorodifluoromethane	1.6		1.0	0.68	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	3.2		1.0	0.16	ug/L	1		8260C	Total/NA
Tetrachloroethene	21		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.0		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-28D-122117 — Lab Sample ID: 480-129453-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloroethane	0.45	J	1.0	0.23	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.7		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.92	J	1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	12		10	3.0	ug/L	1		8260C	Total/NA
Benzene	0.46	J	1.0	0.41	ug/L	1		8260C	Total/NA
Chloroform	0.63	J	1.0	0.34	ug/L	1		8260C	Total/NA
Cyclohexane	0.40	J	1.0	0.18	ug/L	1		8260C	Total/NA
Tetrachloroethene	40		1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: MW-47C-122117 — Lab Sample ID: 480-129453-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.51	J	1.0	0.38	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-47C-122117 (Continued)

Lab Sample ID: 480-129453-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		10	3.0	ug/L	1		8260C	Total/NA
Cyclohexane	0.38	J	1.0	0.18	ug/L	1		8260C	Total/NA
Dichlorodifluoromethane	11		1.0	0.68	ug/L	1		8260C	Total/NA

Client Sample ID: TB-122117

Lab Sample ID: 480-129453-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.3	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-46C-122117

Lab Sample ID: 480-129453-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.2		1.0	0.81	ug/L	1		8260C	Total/NA
Cyclohexane	0.47	J	1.0	0.18	ug/L	1		8260C	Total/NA
Tetrachloroethene	69		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	9.0		1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Project/Site: DEC Farmingdale Plaza Cleaners #130107

TestAmerica Job ID: 480-129453-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	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 ID: MW-48C-122117
Lab Sample ID: 480-129453-1

Date Collected: 12/21/17 12:45
Matrix: Water

Date Received: 12/23/17 10:00

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			12/26/17 21:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 21:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 21:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 21:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/17 21:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 21:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 21:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 21:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 21:35	1
1,2-Dichlorobenzene	**2.7**		1.0	0.79	ug/L			12/26/17 21:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 21:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 21:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 21:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 21:35	1
1,4-Dioxane	ND		40	9.3	ug/L			12/26/17 21:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 21:35	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 21:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 21:35	1
Acetone	**14**		10	3.0	ug/L			12/26/17 21:35	1
Benzene	**15**		1.0	0.41	ug/L			12/26/17 21:35	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 21:35	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 21:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 21:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 21:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 21:35	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/26/17 21:35	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/26/17 21:35	1
Chloroethane	ND	F2	1.0	0.32	ug/L			12/26/17 21:35	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 21:35	1
Chloromethane	ND	F1	1.0	0.35	ug/L			12/26/17 21:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 21:35	1
Cyclohexane	**0.84**	**J**	1.0	0.18	ug/L			12/26/17 21:35	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			12/26/17 21:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 21:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 21:35	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			12/26/17 21:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 21:35	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 21:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 21:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 21:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 21:35	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			12/26/17 21:35	1
o-Xylene	ND		1.0	0.76	ug/L			12/26/17 21:35	1
Tetrachloroethene	**6.5**		1.0	0.36	ug/L			12/26/17 21:35	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 21:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 21:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 21:35	1
Trichloroethene	**2.6**		1.0	0.46	ug/L			12/26/17 21:35	1
Trichlorofluoromethane	ND	F1	1.0	0.88	ug/L			12/26/17 21:35	1

Client Sample ID: MW-48C-122117
Lab Sample ID: 480-129453-1
Date Collected: 12/21/17 12:45
Matrix: Water
Date Received: 12/23/17 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 21:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 21:35	1
Styrene	ND	F1	1.0	0.73	ug/L			12/26/17 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*12/26/17 21:35*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*12/26/17 21:35*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/26/17 21:35*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/26/17 21:35*	*1*

Client Sample ID: MW-37C-122117
Lab Sample ID: 480-129453-2
Date Collected: 12/21/17 13:05
Matrix: Water
Date Received: 12/23/17 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			12/26/17 21:59	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/26/17 21:59	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			12/26/17 21:59	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/26/17 21:59	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			12/26/17 21:59	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			12/26/17 21:59	2
1,2,3-Trichlorobenzene	ND		2.0	0.82	ug/L			12/26/17 21:59	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			12/26/17 21:59	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			12/26/17 21:59	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			12/26/17 21:59	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/26/17 21:59	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/26/17 21:59	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			12/26/17 21:59	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			12/26/17 21:59	2
1,4-Dioxane	ND		80	19	ug/L			12/26/17 21:59	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/26/17 21:59	2
2-Hexanone	ND		10	2.5	ug/L			12/26/17 21:59	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/26/17 21:59	2
Acetone	**12**	**J**	20	6.0	ug/L			12/26/17 21:59	2
Benzene	ND		2.0	0.82	ug/L			12/26/17 21:59	2
Bromoform	ND		2.0	0.52	ug/L			12/26/17 21:59	2
Bromomethane	ND		2.0	1.4	ug/L			12/26/17 21:59	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/26/17 21:59	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/26/17 21:59	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/26/17 21:59	2
Chlorobromomethane	ND		2.0	1.7	ug/L			12/26/17 21:59	2
Chlorodibromomethane	ND		2.0	0.64	ug/L			12/26/17 21:59	2
Chloroethane	ND		2.0	0.64	ug/L			12/26/17 21:59	2
Chloroform	ND		2.0	0.68	ug/L			12/26/17 21:59	2
Chloromethane	ND		2.0	0.70	ug/L			12/26/17 21:59	2
cis-1,2-Dichloroethene	**5.2**		2.0	1.6	ug/L			12/26/17 21:59	2
Cyclohexane	ND		2.0	0.36	ug/L			12/26/17 21:59	2
Dichlorobromomethane	ND		2.0	0.78	ug/L			12/26/17 21:59	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			12/26/17 21:59	2

Client Sample ID: MW-37C-122117
Lab Sample ID: 480-129453-2

Date Collected: 12/21/17 13:05
Matrix: Water
Date Received: 12/23/17 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		2.0	1.5	ug/L			12/26/17 21:59	2
Ethylene Dibromide	ND		2.0	1.5	ug/L			12/26/17 21:59	2
Isopropylbenzene	ND		2.0	1.6	ug/L			12/26/17 21:59	2
Methyl acetate	ND		5.0	2.6	ug/L			12/26/17 21:59	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			12/26/17 21:59	2
Methylcyclohexane	ND		2.0	0.32	ug/L			12/26/17 21:59	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/26/17 21:59	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			12/26/17 21:59	2
o-Xylene	ND		2.0	1.5	ug/L			12/26/17 21:59	2
Tetrachloroethene	**5.2**		2.0	0.72	ug/L			12/26/17 21:59	2
Toluene	ND		2.0	1.0	ug/L			12/26/17 21:59	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			12/26/17 21:59	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/26/17 21:59	2
Trichloroethene	**92**		2.0	0.92	ug/L			12/26/17 21:59	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			12/26/17 21:59	2
Vinyl chloride	ND		2.0	1.8	ug/L			12/26/17 21:59	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/26/17 21:59	2
Styrene	ND		2.0	1.5	ug/L			12/26/17 21:59	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*12/26/17 21:59*	*2*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/26/17 21:59*	*2*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/26/17 21:59*	*2*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*12/26/17 21:59*	*2*

Client Sample ID: MW-28C-122117
Lab Sample ID: 480-129453-3

Date Collected: 12/21/17 13:30
Matrix: Water
Date Received: 12/23/17 10:00

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			12/26/17 22:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 22:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 22:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 22:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/17 22:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 22:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 22:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 22:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 22:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 22:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 22:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 22:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 22:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 22:22	1
1,4-Dioxane	ND		40	9.3	ug/L			12/26/17 22:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 22:22	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 22:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 22:22	1
Acetone	ND		10	3.0	ug/L			12/26/17 22:22	1

Client Sample ID: MW-28C-122117
Lab Sample ID: 480-129453-3
Date Collected: 12/21/17 13:30
Matrix: Water
Date Received: 12/23/17 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.6**		1.0	0.41	ug/L			12/26/17 22:22	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 22:22	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 22:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 22:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 22:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 22:22	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/26/17 22:22	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/26/17 22:22	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 22:22	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 22:22	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 22:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 22:22	1
Cyclohexane	**0.67**	**J**	1.0	0.18	ug/L			12/26/17 22:22	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			12/26/17 22:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 22:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 22:22	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			12/26/17 22:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 22:22	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 22:22	1
Methyl tert-butyl ether	**2.9**		1.0	0.16	ug/L			12/26/17 22:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 22:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 22:22	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			12/26/17 22:22	1
o-Xylene	ND		1.0	0.76	ug/L			12/26/17 22:22	1
Tetrachloroethene	**20**		1.0	0.36	ug/L			12/26/17 22:22	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 22:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 22:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 22:22	1
Trichloroethene	**0.93**	**J**	1.0	0.46	ug/L			12/26/17 22:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 22:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 22:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 22:22	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*12/26/17 22:22*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/26/17 22:22*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/26/17 22:22*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/26/17 22:22*	*1*

Client Sample ID: DUP-122117
Lab Sample ID: 480-129453-4
Date Collected: 12/21/17 00:00
Matrix: Water
Date Received: 12/23/17 10:00

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			12/26/17 22:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 22:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 22:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 22:45	1

Client Sample ID: DUP-122117
Date Collected: 12/21/17 00:00
Date Received: 12/23/17 10:00

Lab Sample ID: 480-129453-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/17 22:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 22:45	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 22:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 22:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 22:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 22:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 22:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 22:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 22:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 22:45	1
1,4-Dioxane	ND		40	9.3	ug/L			12/26/17 22:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 22:45	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 22:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 22:45	1
Acetone	**4.2**	**J**	10	3.0	ug/L			12/26/17 22:45	1
Benzene	**1.7**		1.0	0.41	ug/L			12/26/17 22:45	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 22:45	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 22:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 22:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 22:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 22:45	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/26/17 22:45	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/26/17 22:45	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 22:45	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 22:45	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 22:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 22:45	1
Cyclohexane	ND		1.0	0.18	ug/L			12/26/17 22:45	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			12/26/17 22:45	1
Dichlorodifluoromethane	**1.6**		1.0	0.68	ug/L			12/26/17 22:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 22:45	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			12/26/17 22:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 22:45	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 22:45	1
Methyl tert-butyl ether	**3.2**		1.0	0.16	ug/L			12/26/17 22:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 22:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 22:45	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			12/26/17 22:45	1
o-Xylene	ND		1.0	0.76	ug/L			12/26/17 22:45	1
Tetrachloroethene	**21**		1.0	0.36	ug/L			12/26/17 22:45	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 22:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 22:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 22:45	1
Trichloroethene	**1.0**		1.0	0.46	ug/L			12/26/17 22:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 22:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 22:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 22:45	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 22:45	1

Client Sample ID: DUP-122117
Lab Sample ID: 480-129453-4

Date Collected: 12/21/17 00:00
Matrix: Water
Date Received: 12/23/17 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/26/17 22:45	1
4-Bromofluorobenzene (Surr)	95		73 - 120		12/26/17 22:45	1
Toluene-d8 (Surr)	97		80 - 120		12/26/17 22:45	1
Dibromofluoromethane (Surr)	104		75 - 123		12/26/17 22:45	1

Client Sample ID: MW-28D-122117
Lab Sample ID: 480-129453-5

Date Collected: 12/21/17 13:40
Matrix: Water
Date Received: 12/23/17 10:00

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			12/26/17 23:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 23:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 23:08	1
1,1,2-Trichloroethane	**0.45**	**J**	1.0	0.23	ug/L			12/26/17 23:08	1
1,1-Dichloroethane	**1.7**		1.0	0.38	ug/L			12/26/17 23:08	1
1,1-Dichloroethene	**0.92**	**J**	1.0	0.29	ug/L			12/26/17 23:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 23:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 23:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 23:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 23:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 23:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 23:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 23:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 23:08	1
1,4-Dioxane	ND		40	9.3	ug/L			12/26/17 23:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 23:08	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 23:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 23:08	1
Acetone	**12**		10	3.0	ug/L			12/26/17 23:08	1
Benzene	**0.46**	**J**	1.0	0.41	ug/L			12/26/17 23:08	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 23:08	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 23:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 23:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 23:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 23:08	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/26/17 23:08	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/26/17 23:08	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 23:08	1
Chloroform	**0.63**	**J**	1.0	0.34	ug/L			12/26/17 23:08	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 23:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 23:08	1
Cyclohexane	**0.40**	**J**	1.0	0.18	ug/L			12/26/17 23:08	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			12/26/17 23:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 23:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 23:08	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			12/26/17 23:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 23:08	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 23:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 23:08	1

Client Sample ID: MW-28D-122117
Lab Sample ID: 480-129453-5
Date Collected: 12/21/17 13:40
Matrix: Water
Date Received: 12/23/17 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 23:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 23:08	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			12/26/17 23:08	1
o-Xylene	ND		1.0	0.76	ug/L			12/26/17 23:08	1
Tetrachloroethene	**40**		1.0	0.36	ug/L			12/26/17 23:08	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 23:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 23:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 23:08	1
Trichloroethene	ND		1.0	0.46	ug/L			12/26/17 23:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 23:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 23:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 23:08	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*12/26/17 23:08*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/26/17 23:08*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/26/17 23:08*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/26/17 23:08*	*1*

Client Sample ID: MW-47C-122117
Lab Sample ID: 480-129453-6
Date Collected: 12/21/17 14:00
Matrix: Water
Date Received: 12/23/17 10:00

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			12/26/17 23:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 23:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 23:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 23:31	1
1,1-Dichloroethane	**0.51**	**J**	1.0	0.38	ug/L			12/26/17 23:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 23:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 23:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 23:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 23:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 23:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 23:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 23:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 23:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 23:31	1
1,4-Dioxane	ND		40	9.3	ug/L			12/26/17 23:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 23:31	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 23:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 23:31	1
Acetone	**12**		10	3.0	ug/L			12/26/17 23:31	1
Benzene	ND		1.0	0.41	ug/L			12/26/17 23:31	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 23:31	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 23:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 23:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 23:31	1

Client Sample ID: MW-47C-122117
Lab Sample ID: 480-129453-6

Date Collected: 12/21/17 14:00
Matrix: Water
Date Received: 12/23/17 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 23:31	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/26/17 23:31	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/26/17 23:31	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 23:31	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 23:31	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 23:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 23:31	1
Cyclohexane	**0.38**	**J**	1.0	0.18	ug/L			12/26/17 23:31	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			12/26/17 23:31	1
Dichlorodifluoromethane	**11**		1.0	0.68	ug/L			12/26/17 23:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 23:31	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			12/26/17 23:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 23:31	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 23:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 23:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 23:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 23:31	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			12/26/17 23:31	1
o-Xylene	ND		1.0	0.76	ug/L			12/26/17 23:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/26/17 23:31	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 23:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 23:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 23:31	1
Trichloroethene	ND		1.0	0.46	ug/L			12/26/17 23:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 23:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 23:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 23:31	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*12/26/17 23:31*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/26/17 23:31*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/26/17 23:31*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/26/17 23:31*	*1*

Client Sample ID: TB-122117
Lab Sample ID: 480-129453-7

Date Collected: 12/21/17 00:00
Matrix: Water
Date Received: 12/23/17 10:00

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			12/26/17 21:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 21:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 21:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 21:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/17 21:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 21:51	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 21:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 21:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 21:51	1

Client Sample ID: TB-122117
Date Collected: 12/21/17 00:00
Date Received: 12/23/17 10:00

Lab Sample ID: 480-129453-7
Matrix: Water

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			12/26/17 21:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 21:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 21:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 21:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 21:51	1
1,4-Dioxane	ND		40	9.3	ug/L			12/26/17 21:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 21:51	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 21:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 21:51	1
Acetone	**3.3**	**J**	10	3.0	ug/L			12/26/17 21:51	1
Benzene	ND		1.0	0.41	ug/L			12/26/17 21:51	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 21:51	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 21:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 21:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 21:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 21:51	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/26/17 21:51	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/26/17 21:51	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 21:51	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 21:51	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 21:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 21:51	1
Cyclohexane	ND		1.0	0.18	ug/L			12/26/17 21:51	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			12/26/17 21:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 21:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 21:51	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			12/26/17 21:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 21:51	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 21:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 21:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 21:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 21:51	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			12/26/17 21:51	1
o-Xylene	ND		1.0	0.76	ug/L			12/26/17 21:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/26/17 21:51	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 21:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 21:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 21:51	1
Trichloroethene	ND		1.0	0.46	ug/L			12/26/17 21:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 21:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 21:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 21:51	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*12/26/17 21:51*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*12/26/17 21:51*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/26/17 21:51*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*12/26/17 21:51*	*1*

Client Sample ID: MW-46C-122117
Lab Sample ID: 480-129453-8

Date Collected: 12/21/17 14:45
Matrix: Water

Date Received: 12/23/17 10:00

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			12/26/17 23:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 23:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 23:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 23:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/17 23:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 23:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 23:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 23:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 23:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 23:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 23:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 23:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 23:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 23:55	1
1,4-Dioxane	ND		40	9.3	ug/L			12/26/17 23:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 23:55	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 23:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 23:55	1
Acetone	**16**		10	3.0	ug/L			12/26/17 23:55	1
Benzene	ND		1.0	0.41	ug/L			12/26/17 23:55	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 23:55	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 23:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 23:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 23:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 23:55	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/26/17 23:55	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/26/17 23:55	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 23:55	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 23:55	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 23:55	1
cis-1,2-Dichloroethene	**2.2**		1.0	0.81	ug/L			12/26/17 23:55	1
Cyclohexane	**0.47**	**J**	1.0	0.18	ug/L			12/26/17 23:55	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			12/26/17 23:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 23:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 23:55	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			12/26/17 23:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 23:55	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 23:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 23:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 23:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 23:55	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			12/26/17 23:55	1
o-Xylene	ND		1.0	0.76	ug/L			12/26/17 23:55	1
Tetrachloroethene	**69**		1.0	0.36	ug/L			12/26/17 23:55	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 23:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 23:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 23:55	1
Trichloroethene	**9.0**		1.0	0.46	ug/L			12/26/17 23:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 23:55	1

Client Sample ID: MW-46C-122117
Lab Sample ID: 480-129453-8

Date Collected: 12/21/17 14:45
Matrix: Water
Date Received: 12/23/17 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 23:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 23:55	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*12/26/17 23:55*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/26/17 23:55*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/26/17 23:55*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/26/17 23:55*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC Farmingdale Plaza Cleaners #130107

TestAmerica Job ID: 480-129453-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-129453-1	MW-48C-122117	91	105	95	101
480-129453-1 MS	MW-48C-122117	92	109	97	102
480-129453-1 MSD	MW-48C-122117	95	99	100	101
480-129453-2	MW-37C-122117	87	100	100	96
480-129453-3	MW-28C-122117	93	99	98	101
480-129453-4	DUP-122117	99	95	97	104
480-129453-5	MW-28D-122117	94	99	101	102
480-129453-6	MW-47C-122117	98	95	98	103
480-129453-7	TB-122117	104	107	100	113
480-129453-8	MW-46C-122117	96	100	99	103
LCS 480-393586/4	Lab Control Sample	107	101	99	120
LCS 480-393593/4	Lab Control Sample	97	98	101	105
MB 480-393586/6	Method Blank	101	101	100	112
MB 480-393593/6	Method Blank	99	99	101	102

Surrogate Legend

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

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

Lab Sample ID: MB 480-393586/6
Matrix: Water
Analysis Batch: 393586

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			12/26/17 19:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 19:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 19:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 19:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/17 19:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 19:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 19:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 19:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 19:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 19:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 19:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 19:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 19:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 19:52	1
1,4-Dioxane	ND		40	9.3	ug/L			12/26/17 19:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 19:52	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 19:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 19:52	1
Acetone	ND		10	3.0	ug/L			12/26/17 19:52	1
Benzene	ND		1.0	0.41	ug/L			12/26/17 19:52	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 19:52	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 19:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 19:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 19:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 19:52	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/26/17 19:52	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/26/17 19:52	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 19:52	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 19:52	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 19:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 19:52	1
Cyclohexane	ND		1.0	0.18	ug/L			12/26/17 19:52	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			12/26/17 19:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 19:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 19:52	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			12/26/17 19:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 19:52	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 19:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 19:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 19:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 19:52	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			12/26/17 19:52	1
o-Xylene	ND		1.0	0.76	ug/L			12/26/17 19:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/26/17 19:52	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 19:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 19:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 19:52	1
Trichloroethene	ND		1.0	0.46	ug/L			12/26/17 19:52	1

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

Lab Sample ID: MB 480-393586/6
Matrix: Water
Analysis Batch: 393586

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 19:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 19:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 19:52	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 19:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/26/17 19:52*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/26/17 19:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/26/17 19:52*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*12/26/17 19:52*	*1*

Lab Sample ID: LCS 480-393586/4
Matrix: Water
Analysis Batch: 393586

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	22.8		ug/L		91	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.4		ug/L		86	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.0		ug/L		76	61 - 148
1,1,2-Trichloroethane	25.0	22.4		ug/L		89	76 - 122
1,1-Dichloroethane	25.0	23.8		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	22.3		ug/L		89	66 - 127
1,2,3-Trichlorobenzene	25.0	22.1		ug/L		88	75 - 123
1,2,4-Trichlorobenzene	25.0	22.6		ug/L		90	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	17.8		ug/L		71	56 - 134
1,2-Dichlorobenzene	25.0	22.5		ug/L		90	80 - 124
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	25.2		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	22.4		ug/L		90	77 - 120
1,4-Dichlorobenzene	25.0	22.2		ug/L		89	80 - 120
1,4-Dioxane	500	456		ug/L		91	50 - 150
2-Butanone (MEK)	125	121		ug/L		97	57 - 140
2-Hexanone	125	105		ug/L		84	65 - 127
4-Methyl-2-pentanone (MIBK)	125	103		ug/L		82	71 - 125
Acetone	125	128		ug/L		102	56 - 142
Benzene	25.0	23.6		ug/L		94	71 - 124
Bromoform	25.0	24.1		ug/L		96	61 - 132
Bromomethane	25.0	25.3		ug/L		101	55 - 144
Carbon disulfide	25.0	22.1		ug/L		88	59 - 134
Carbon tetrachloride	25.0	21.9		ug/L		88	72 - 134
Chlorobenzene	25.0	21.8		ug/L		87	80 - 120
Chlorobromomethane	25.0	28.3		ug/L		113	72 - 130
Chlorodibromomethane	25.0	24.0		ug/L		96	75 - 125
Chloroethane	25.0	24.1		ug/L		96	69 - 136
Chloroform	25.0	26.0		ug/L		104	73 - 127
Chloromethane	25.0	25.0		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	24.9		ug/L		99	74 - 124

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

Lab Sample ID: LCS 480-393586/4
Matrix: Water
Analysis Batch: 393586

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	25.0	18.0		ug/L		72	59 - 135
Dichlorobromomethane	25.0	27.8		ug/L		111	80 - 122
Dichlorodifluoromethane	25.0	19.0		ug/L		76	59 - 135
Ethylbenzene	25.0	20.6		ug/L		82	77 - 123
Ethylene Dibromide	25.0	24.3		ug/L		97	77 - 120
Isopropylbenzene	25.0	19.9		ug/L		80	77 - 122
Methyl acetate	50.0	44.5		ug/L		89	74 - 133
Methyl tert-butyl ether	25.0	25.4		ug/L		102	77 - 120
Methylcyclohexane	25.0	19.9		ug/L		80	68 - 134
Methylene Chloride	25.0	24.8		ug/L		99	75 - 124
m-Xylene & p-Xylene	25.0	22.8		ug/L		91	76 - 122
o-Xylene	25.0	22.7		ug/L		91	76 - 122
Tetrachloroethene	25.0	21.4		ug/L		86	74 - 122
Toluene	25.0	20.5		ug/L		82	80 - 122
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	22.4		ug/L		90	80 - 120
Trichloroethene	25.0	24.9		ug/L		100	74 - 123
Trichlorofluoromethane	25.0	19.0		ug/L		76	62 - 150
Vinyl chloride	25.0	23.0		ug/L		92	65 - 133
cis-1,3-Dichloropropene	25.0	25.9		ug/L		103	74 - 124
Styrene	25.0	22.9		ug/L		91	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*120*		*75 - 123*

Lab Sample ID: MB 480-393593/6
Matrix: Water
Analysis Batch: 393593

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			12/26/17 20:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 20:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 20:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 20:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/17 20:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 20:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 20:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 20:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 20:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 20:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 20:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 20:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 20:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 20:54	1
1,4-Dioxane	ND		40	9.3	ug/L			12/26/17 20:54	1

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

Lab Sample ID: MB 480-393593/6
Matrix: Water
Analysis Batch: 393593

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 20:54	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 20:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 20:54	1
Acetone	ND		10	3.0	ug/L			12/26/17 20:54	1
Benzene	ND		1.0	0.41	ug/L			12/26/17 20:54	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 20:54	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 20:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 20:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 20:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 20:54	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/26/17 20:54	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/26/17 20:54	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 20:54	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 20:54	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 20:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 20:54	1
Cyclohexane	ND		1.0	0.18	ug/L			12/26/17 20:54	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			12/26/17 20:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 20:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 20:54	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			12/26/17 20:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 20:54	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 20:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 20:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 20:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 20:54	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			12/26/17 20:54	1
o-Xylene	ND		1.0	0.76	ug/L			12/26/17 20:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/26/17 20:54	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 20:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 20:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 20:54	1
Trichloroethene	ND		1.0	0.46	ug/L			12/26/17 20:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 20:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 20:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 20:54	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 20:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*12/26/17 20:54*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/26/17 20:54*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/26/17 20:54*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/26/17 20:54*	*1*

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

Lab Sample ID: LCS 480-393593/4
Matrix: Water
Analysis Batch: 393593

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	22.3		ug/L		89	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.4		ug/L		90	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.5		ug/L		78	61 - 148
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	23.6		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	18.1		ug/L		72	66 - 127
1,2,3-Trichlorobenzene	25.0	24.2		ug/L		97	75 - 123
1,2,4-Trichlorobenzene	25.0	23.8		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	17.1		ug/L		68	56 - 134
1,2-Dichlorobenzene	25.0	24.1		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	24.2		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	23.1		ug/L		92	76 - 120
1,3-Dichlorobenzene	25.0	23.2		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 120
1,4-Dioxane	500	377		ug/L		75	50 - 150
2-Butanone (MEK)	125	129		ug/L		103	57 - 140
2-Hexanone	125	114		ug/L		92	65 - 127
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125
Acetone	125	152		ug/L		121	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromoform	25.0	23.5		ug/L		94	61 - 132
Bromomethane	25.0	28.3		ug/L		113	55 - 144
Carbon disulfide	25.0	20.1		ug/L		80	59 - 134
Carbon tetrachloride	25.0	20.7		ug/L		83	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	80 - 120
Chlorobromomethane	25.0	24.9		ug/L		100	72 - 130
Chlorodibromomethane	25.0	23.9		ug/L		96	75 - 125
Chloroethane	25.0	27.6		ug/L		110	69 - 136
Chloroform	25.0	23.8		ug/L		95	73 - 127
Chloromethane	25.0	27.0		ug/L		108	68 - 124
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124
Cyclohexane	25.0	18.0		ug/L		72	59 - 135
Dichlorobromomethane	25.0	23.8		ug/L		95	80 - 122
Dichlorodifluoromethane	25.0	27.3		ug/L		109	59 - 135
Ethylbenzene	25.0	21.9		ug/L		88	77 - 123
Ethylene Dibromide	25.0	23.9		ug/L		96	77 - 120
Isopropylbenzene	25.0	20.1		ug/L		80	77 - 122
Methyl acetate	50.0	42.7		ug/L		85	74 - 133
Methyl tert-butyl ether	25.0	24.4		ug/L		98	77 - 120
Methylcyclohexane	25.0	19.9		ug/L		80	68 - 134
Methylene Chloride	25.0	23.7		ug/L		95	75 - 124
m-Xylene & p-Xylene	25.0	22.5		ug/L		90	76 - 122
o-Xylene	25.0	22.8		ug/L		91	76 - 122
Tetrachloroethene	25.0	22.4		ug/L		90	74 - 122
Toluene	25.0	22.5		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	22.2		ug/L		89	73 - 127
trans-1,3-Dichloropropene	25.0	23.1		ug/L		93	80 - 120

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

Lab Sample ID: LCS 480-393593/4
Matrix: Water
Analysis Batch: 393593

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	25.0	22.4		ug/L		89	74 - 123
Trichlorofluoromethane	25.0	20.8		ug/L		83	62 - 150
Vinyl chloride	25.0	25.6		ug/L		102	65 - 133
cis-1,3-Dichloropropene	25.0	23.4		ug/L		93	74 - 124
Styrene	25.0	24.2		ug/L		97	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

Lab Sample ID: 480-129453-1 MS
Matrix: Water
Analysis Batch: 393593

Client Sample ID: MW-48C-122117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	23.7		ug/L		95	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	23.8		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	21.0		ug/L		84	61 - 148
1,1,2-Trichloroethane	ND		25.0	26.8		ug/L		107	76 - 122
1,1-Dichloroethane	ND		25.0	27.7		ug/L		111	77 - 120
1,1-Dichloroethene	ND		25.0	21.2		ug/L		85	66 - 127
1,2,3-Trichlorobenzene	ND		25.0	26.2		ug/L		105	75 - 123
1,2,4-Trichlorobenzene	ND		25.0	27.4		ug/L		110	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	17.7		ug/L		71	56 - 134
1,2-Dichlorobenzene	2.7		25.0	29.8		ug/L		108	80 - 124
1,2-Dichloroethane	ND		25.0	24.2		ug/L		97	75 - 120
1,2-Dichloropropane	ND		25.0	27.7		ug/L		111	76 - 120
1,3-Dichlorobenzene	ND		25.0	27.4		ug/L		110	77 - 120
1,4-Dichlorobenzene	ND		25.0	27.1		ug/L		108	78 - 124
1,4-Dioxane	ND		500	346		ug/L		69	50 - 150
2-Butanone (MEK)	ND		125	125		ug/L		100	57 - 140
2-Hexanone	ND		125	109		ug/L		87	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	110		ug/L		88	71 - 125
Acetone	14		125	123		ug/L		87	56 - 142
Benzene	15		25.0	41.8		ug/L		108	71 - 124
Bromoform	ND		25.0	29.4		ug/L		118	61 - 132
Bromomethane	ND		25.0	25.0		ug/L		100	55 - 144
Carbon disulfide	ND		25.0	22.4		ug/L		90	59 - 134
Carbon tetrachloride	ND		25.0	22.1		ug/L		88	72 - 134
Chlorobenzene	ND		25.0	29.8		ug/L		119	80 - 120
Chlorobromomethane	ND		25.0	28.9		ug/L		116	72 - 130
Chlorodibromomethane	ND		25.0	26.0		ug/L		104	75 - 125
Chloroethane	ND	F2	25.0	22.6		ug/L		90	69 - 136
Chloroform	ND		25.0	26.9		ug/L		108	73 - 127
Chloromethane	ND	F1	25.0	32.3	F1	ug/L		129	68 - 124

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

Lab Sample ID: 480-129453-1 MS
Matrix: Water
Analysis Batch: 393593

Client Sample ID: MW-48C-122117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	ND		25.0	29.4		ug/L		117	74 - 124
Cyclohexane	0.84	J	25.0	23.7		ug/L		92	59 - 135
Dichlorobromomethane	ND		25.0	25.2		ug/L		101	80 - 122
Dichlorodifluoromethane	ND		25.0	21.0		ug/L		84	59 - 135
Ethylbenzene	ND		25.0	27.9		ug/L		111	77 - 123
Ethylene Dibromide	ND		25.0	26.0		ug/L		104	77 - 120
Isopropylbenzene	ND		25.0	24.5		ug/L		98	77 - 122
Methyl acetate	ND		50.0	45.2		ug/L		90	74 - 133
Methyl tert-butyl ether	ND		25.0	24.5		ug/L		98	77 - 120
Methylcyclohexane	ND		25.0	23.6		ug/L		94	68 - 134
Methylene Chloride	ND		25.0	26.8		ug/L		107	75 - 124
m-Xylene & p-Xylene	ND		25.0	28.8		ug/L		115	76 - 122
o-Xylene	ND		25.0	29.4		ug/L		118	76 - 122
Tetrachloroethene	6.5		25.0	33.3		ug/L		107	74 - 122
Toluene	ND		25.0	26.6		ug/L		106	80 - 122
trans-1,2-Dichloroethene	ND		25.0	28.4		ug/L		113	73 - 127
trans-1,3-Dichloropropene	ND		25.0	23.3		ug/L		93	80 - 120
Trichloroethene	2.6		25.0	30.5		ug/L		112	74 - 123
Trichlorofluoromethane	ND	F1	25.0	14.3	F1	ug/L		57	62 - 150
Vinyl chloride	ND		25.0	26.6		ug/L		106	65 - 133
cis-1,3-Dichloropropene	ND		25.0	25.5		ug/L		102	74 - 124
Styrene	ND	F1	25.0	30.1	F1	ug/L		121	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: 480-129453-1 MSD
Matrix: Water
Analysis Batch: 393593

Client Sample ID: MW-48C-122117
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	ND		25.0	26.5		ug/L		106	73 - 126	11	15
1,1,2,2-Tetrachloroethane	ND		25.0	23.1		ug/L		92	76 - 120	3	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	22.1		ug/L		88	61 - 148	5	20
1,1,2-Trichloroethane	ND		25.0	26.8		ug/L		107	76 - 122	0	15
1,1-Dichloroethane	ND		25.0	27.3		ug/L		109	77 - 120	1	20
1,1-Dichloroethene	ND		25.0	19.9		ug/L		80	66 - 127	6	16
1,2,3-Trichlorobenzene	ND		25.0	27.1		ug/L		108	75 - 123	3	20
1,2,4-Trichlorobenzene	ND		25.0	27.8		ug/L		111	79 - 122	1	20
1,2-Dibromo-3-Chloropropane	ND		25.0	17.7		ug/L		71	56 - 134	0	15
1,2-Dichlorobenzene	2.7		25.0	29.6		ug/L		107	80 - 124	1	20
1,2-Dichloroethane	ND		25.0	26.4		ug/L		106	75 - 120	9	20
1,2-Dichloropropane	ND		25.0	25.8		ug/L		103	76 - 120	7	20
1,3-Dichlorobenzene	ND		25.0	27.5		ug/L		110	77 - 120	0	20

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

Lab Sample ID: 480-129453-1 MSD
Matrix: Water
Analysis Batch: 393593

Client Sample ID: MW-48C-122117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	ND		25.0	26.9		ug/L		108	78 - 124	1	20
1,4-Dioxane	ND		500	353		ug/L		71	50 - 150	2	20
2-Butanone (MEK)	ND		125	120		ug/L		96	57 - 140	4	20
2-Hexanone	ND		125	112		ug/L		89	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	ND		125	111		ug/L		89	71 - 125	1	35
Acetone	14		125	126		ug/L		89	56 - 142	3	15
Benzene	15		25.0	39.8		ug/L		100	71 - 124	5	13
Bromoform	ND		25.0	27.1		ug/L		108	61 - 132	8	15
Bromomethane	ND		25.0	28.7		ug/L		115	55 - 144	14	15
Carbon disulfide	ND		25.0	21.8		ug/L		87	59 - 134	3	15
Carbon tetrachloride	ND		25.0	24.7		ug/L		99	72 - 134	11	15
Chlorobenzene	ND		25.0	28.6		ug/L		114	80 - 120	4	25
Chlorobromomethane	ND		25.0	28.0		ug/L		112	72 - 130	3	15
Chlorodibromomethane	ND		25.0	26.3		ug/L		105	75 - 125	1	15
Chloroethane	ND	F2	25.0	26.9	F2	ug/L		107	69 - 136	17	15
Chloroform	ND		25.0	27.8		ug/L		111	73 - 127	3	20
Chloromethane	ND	F1	25.0	29.0		ug/L		116	68 - 124	11	15
cis-1,2-Dichloroethene	ND		25.0	27.9		ug/L		111	74 - 124	5	15
Cyclohexane	0.84	J	25.0	21.7		ug/L		83	59 - 135	9	20
Dichlorobromomethane	ND		25.0	26.7		ug/L		107	80 - 122	6	15
Dichlorodifluoromethane	ND		25.0	20.0		ug/L		80	59 - 135	5	20
Ethylbenzene	ND		25.0	26.7		ug/L		107	77 - 123	4	15
Ethylene Dibromide	ND		25.0	26.6		ug/L		106	77 - 120	2	15
Isopropylbenzene	ND		25.0	24.3		ug/L		97	77 - 122	1	20
Methyl acetate	ND		50.0	41.3		ug/L		83	74 - 133	9	20
Methyl tert-butyl ether	ND		25.0	24.6		ug/L		98	77 - 120	1	37
Methylcyclohexane	ND		25.0	23.2		ug/L		93	68 - 134	2	20
Methylene Chloride	ND		25.0	25.8		ug/L		103	75 - 124	4	15
m-Xylene & p-Xylene	ND		25.0	27.3		ug/L		109	76 - 122	5	16
o-Xylene	ND		25.0	27.4		ug/L		110	76 - 122	7	16
Tetrachloroethene	6.5		25.0	32.8		ug/L		105	74 - 122	2	20
Toluene	ND		25.0	27.3		ug/L		109	80 - 122	3	15
trans-1,2-Dichloroethene	ND		25.0	27.6		ug/L		110	73 - 127	3	20
trans-1,3-Dichloropropene	ND		25.0	25.8		ug/L		103	80 - 120	10	15
Trichloroethene	2.6		25.0	30.2		ug/L		110	74 - 123	1	16
Trichlorofluoromethane	ND	F1	25.0	15.5		ug/L		62	62 - 150	8	20
Vinyl chloride	ND		25.0	23.9		ug/L		95	65 - 133	11	15
cis-1,3-Dichloropropene	ND		25.0	25.0		ug/L		100	74 - 124	2	15
Styrene	ND	F1	25.0	28.0		ug/L		112	80 - 120	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: New York State D.E.C.
Project/Site: DEC Farmingdale Plaza Cleaners #130107

TestAmerica Job ID: 480-129453-1

GC/MS VOA

Analysis Batch: 393586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-129453-7	TB-122117	Total/NA	Water	8260C	
MB 480-393586/6	Method Blank	Total/NA	Water	8260C	
LCS 480-393586/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 393593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-129453-1	MW-48C-122117	Total/NA	Water	8260C	
480-129453-2	MW-37C-122117	Total/NA	Water	8260C	
480-129453-3	MW-28C-122117	Total/NA	Water	8260C	
480-129453-4	DUP-122117	Total/NA	Water	8260C	
480-129453-5	MW-28D-122117	Total/NA	Water	8260C	
480-129453-6	MW-47C-122117	Total/NA	Water	8260C	
480-129453-8	MW-46C-122117	Total/NA	Water	8260C	
MB 480-393593/6	Method Blank	Total/NA	Water	8260C	
LCS 480-393593/4	Lab Control Sample	Total/NA	Water	8260C	
480-129453-1 MS	MW-48C-122117	Total/NA	Water	8260C	
480-129453-1 MSD	MW-48C-122117	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: DEC Farmingdale Plaza Cleaners #130107

TestAmerica Job ID: 480-129453-1

Client Sample ID: MW-48C-122117
Lab Sample ID: 480-129453-1
Date Collected: 12/21/17 12:45
Matrix: Water
Date Received: 12/23/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393593	12/26/17 21:35	ARS	TAL BUF

Client Sample ID: MW-37C-122117
Lab Sample ID: 480-129453-2
Date Collected: 12/21/17 13:05
Matrix: Water
Date Received: 12/23/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	393593	12/26/17 21:59	ARS	TAL BUF

Client Sample ID: MW-28C-122117
Lab Sample ID: 480-129453-3
Date Collected: 12/21/17 13:30
Matrix: Water
Date Received: 12/23/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393593	12/26/17 22:22	ARS	TAL BUF

Client Sample ID: DUP-122117
Lab Sample ID: 480-129453-4
Date Collected: 12/21/17 00:00
Matrix: Water
Date Received: 12/23/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393593	12/26/17 22:45	ARS	TAL BUF

Client Sample ID: MW-28D-122117
Lab Sample ID: 480-129453-5
Date Collected: 12/21/17 13:40
Matrix: Water
Date Received: 12/23/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393593	12/26/17 23:08	ARS	TAL BUF

Client Sample ID: MW-47C-122117
Lab Sample ID: 480-129453-6
Date Collected: 12/21/17 14:00
Matrix: Water
Date Received: 12/23/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393593	12/26/17 23:31	ARS	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: DEC Farmingdale Plaza Cleaners #130107

TestAmerica Job ID: 480-129453-1

Client Sample ID: TB-122117

Lab Sample ID: 480-129453-7

Date Collected: 12/21/17 00:00

Matrix: Water

Date Received: 12/23/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393586	12/26/17 21:51	ARS	TAL BUF

Client Sample ID: MW-46C-122117

Lab Sample ID: 480-129453-8

Date Collected: 12/21/17 14:45

Matrix: Water

Date Received: 12/23/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393593	12/26/17 23:55	ARS	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C. TestAmerica Job ID: 480-129453-1
Project/Site: DEC Farmingdale Plaza Cleaners #130107

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

Laboratory: TestAmerica Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Connecticut	State Program	1	PH-0200	09-30-18
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A	12-31-18
New Jersey	NELAP	2	12028	06-30-18
New York	NELAP	2	11452	04-01-18
Pennsylvania	NELAP	3	68-00522	02-28-18
Rhode Island	State Program	1	LAO00132	12-30-17 *
USDA	Federal		NJCA-003-08	06-13-20

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

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 #
MW-48C-122117	480-129453-1	101	91	95	105
MW-37C-122117	480-129453-2	96	87	100	100
MW-28C-122117	480-129453-3	101	93	98	99
DUP-122117	480-129453-4	104	99	97	95
MW-28D-122117	480-129453-5	102	94	101	99
MW-47C-122117	480-129453-6	103	98	98	95
TB-122117	480-129453-7	113	104	100	107
MW-46C-122117	480-129453-8	103	96	99	100
	MB 480-393586/6	112	101	100	101
	MB 480-393593/6	102	99	101	99
	LCS 480-393586/4	120	107	99	101
	LCS 480-393593/4	105	97	101	98
MW-48C-122117 MS	480-129453-1 MS	102	92	97	109
MW-48C-122117 MSD	480-129453-1 MSD	101	95	100	99

	QC LIMITS
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 II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 95287P.D

Lab ID: LCS 480-393586/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	22.8	91	73-126	
1,1,2,2-Tetrachloroethane	25.0	21.4	86	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.0	76	61-148	
1,1,2-Trichloroethane	25.0	22.4	89	76-122	
1,1-Dichloroethane	25.0	23.8	95	77-120	
1,1-Dichloroethene	25.0	22.3	89	66-127	
1,2,3-Trichlorobenzene	25.0	22.1	88	75-123	
1,2,4-Trichlorobenzene	25.0	22.6	90	79-122	
1,2-Dibromo-3-Chloropropane	25.0	17.8	71	56-134	
1,2-Dichlorobenzene	25.0	22.5	90	80-124	
1,2-Dichloroethane	25.0	23.5	94	75-120	
1,2-Dichloropropane	25.0	25.2	101	76-120	
1,3-Dichlorobenzene	25.0	22.4	90	77-120	
1,4-Dichlorobenzene	25.0	22.2	89	80-120	
1,4-Dioxane	500	456	91	50-150	
2-Butanone (MEK)	125	121	97	57-140	
2-Hexanone	125	105	84	65-127	
4-Methyl-2-pentanone (MIBK)	125	103	82	71-125	
Acetone	125	128	102	56-142	
Benzene	25.0	23.6	94	71-124	
Bromoform	25.0	24.1	96	61-132	
Bromomethane	25.0	25.3	101	55-144	
Carbon disulfide	25.0	22.1	88	59-134	
Carbon tetrachloride	25.0	21.9	88	72-134	
Chlorobenzene	25.0	21.8	87	80-120	
Chlorobromomethane	25.0	28.3	113	72-130	
Chlorodibromomethane	25.0	24.0	96	75-125	
Chloroethane	25.0	24.1	96	69-136	
Chloroform	25.0	26.0	104	73-127	
Chloromethane	25.0	25.0	100	68-124	
cis-1,2-Dichloroethene	25.0	24.9	99	74-124	
Cyclohexane	25.0	18.0	72	59-135	
Dichlorobromomethane	25.0	27.8	111	80-122	
Dichlorodifluoromethane	25.0	19.0	76	59-135	
Ethylbenzene	25.0	20.6	82	77-123	
Ethylene Dibromide	25.0	24.3	97	77-120	
Isopropylbenzene	25.0	19.9	80	77-122	
Methyl acetate	50.0	44.5	89	74-133	
Methyl tert-butyl ether	25.0	25.4	102	77-120	
Methylcyclohexane	25.0	19.9	80	68-134	
Methylene Chloride	25.0	24.8	99	75-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 95287P.D

Lab ID: LCS 480-393586/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
m-Xylene & p-Xylene	25.0	22.8	91	76-122	
o-Xylene	25.0	22.7	91	76-122	
Tetrachloroethene	25.0	21.4	86	74-122	
Toluene	25.0	20.5	82	80-122	
trans-1,2-Dichloroethene	25.0	24.3	97	73-127	
trans-1,3-Dichloropropene	25.0	22.4	90	80-120	
Trichloroethene	25.0	24.9	100	74-123	
Trichlorofluoromethane	25.0	19.0	76	62-150	
Vinyl chloride	25.0	23.0	92	65-133	
cis-1,3-Dichloropropene	25.0	25.9	103	74-124	
Styrene	25.0	22.9	91	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S5959.D

Lab ID: LCS 480-393593/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	22.3	89	73-126	
1,1,2,2-Tetrachloroethane	25.0	22.4	90	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.5	78	61-148	
1,1,2-Trichloroethane	25.0	25.2	101	76-122	
1,1-Dichloroethane	25.0	23.6	94	77-120	
1,1-Dichloroethene	25.0	18.1	72	66-127	
1,2,3-Trichlorobenzene	25.0	24.2	97	75-123	
1,2,4-Trichlorobenzene	25.0	23.8	95	79-122	
1,2-Dibromo-3-Chloropropane	25.0	17.1	68	56-134	
1,2-Dichlorobenzene	25.0	24.1	97	80-124	
1,2-Dichloroethane	25.0	24.2	97	75-120	
1,2-Dichloropropane	25.0	23.1	92	76-120	
1,3-Dichlorobenzene	25.0	23.2	93	77-120	
1,4-Dichlorobenzene	25.0	23.3	93	80-120	
1,4-Dioxane	500	377	75	50-150	
2-Butanone (MEK)	125	129	103	57-140	
2-Hexanone	125	114	92	65-127	
4-Methyl-2-pentanone (MIBK)	125	110	88	71-125	
Acetone	125	152	121	56-142	
Benzene	25.0	23.7	95	71-124	
Bromoform	25.0	23.5	94	61-132	
Bromomethane	25.0	28.3	113	55-144	
Carbon disulfide	25.0	20.1	80	59-134	
Carbon tetrachloride	25.0	20.7	83	72-134	
Chlorobenzene	25.0	24.2	97	80-120	
Chlorobromomethane	25.0	24.9	100	72-130	
Chlorodibromomethane	25.0	23.9	96	75-125	
Chloroethane	25.0	27.6	110	69-136	
Chloroform	25.0	23.8	95	73-127	
Chloromethane	25.0	27.0	108	68-124	
cis-1,2-Dichloroethene	25.0	24.0	96	74-124	
Cyclohexane	25.0	18.0	72	59-135	
Dichlorobromomethane	25.0	23.8	95	80-122	
Dichlorodifluoromethane	25.0	27.3	109	59-135	
Ethylbenzene	25.0	21.9	88	77-123	
Ethylene Dibromide	25.0	23.9	96	77-120	
Isopropylbenzene	25.0	20.1	80	77-122	
Methyl acetate	50.0	42.7	85	74-133	
Methyl tert-butyl ether	25.0	24.4	98	77-120	
Methylcyclohexane	25.0	19.9	80	68-134	
Methylene Chloride	25.0	23.7	95	75-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S5959.D

Lab ID: LCS 480-393593/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
m-Xylene & p-Xylene	25.0	22.5	90	76-122	
o-Xylene	25.0	22.8	91	76-122	
Tetrachloroethene	25.0	22.4	90	74-122	
Toluene	25.0	22.5	90	80-122	
trans-1,2-Dichloroethene	25.0	22.2	89	73-127	
trans-1,3-Dichloropropene	25.0	23.1	93	80-120	
Trichloroethene	25.0	22.4	89	74-123	
Trichlorofluoromethane	25.0	20.8	83	62-150	
Vinyl chloride	25.0	25.6	102	65-133	
cis-1,3-Dichloropropene	25.0	23.4	93	74-124	
Styrene	25.0	24.2	97	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S5969.D

Lab ID: 480-129453-1 MS Client ID: MW-48C-122117 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	ND	23.7	95	73-126	
1,1,2,2-Tetrachloroethane	25.0	ND	23.8	95	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	ND	21.0	84	61-148	
1,1,2-Trichloroethane	25.0	ND	26.8	107	76-122	
1,1-Dichloroethane	25.0	ND	27.7	111	77-120	
1,1-Dichloroethene	25.0	ND	21.2	85	66-127	
1,2,3-Trichlorobenzene	25.0	ND	26.2	105	75-123	
1,2,4-Trichlorobenzene	25.0	ND	27.4	110	79-122	
1,2-Dibromo-3-Chloropropane	25.0	ND	17.7	71	56-134	
1,2-Dichlorobenzene	25.0	2.7	29.8	108	80-124	
1,2-Dichloroethane	25.0	ND	24.2	97	75-120	
1,2-Dichloropropane	25.0	ND	27.7	111	76-120	
1,3-Dichlorobenzene	25.0	ND	27.4	110	77-120	
1,4-Dichlorobenzene	25.0	ND	27.1	108	78-124	
1,4-Dioxane	500	ND	346	69	50-150	
2-Butanone (MEK)	125	ND	125	100	57-140	
2-Hexanone	125	ND	109	87	65-127	
4-Methyl-2-pentanone (MIBK)	125	ND	110	88	71-125	
Acetone	125	14	123	87	56-142	
Benzene	25.0	15	41.8	108	71-124	
Bromoform	25.0	ND	29.4	118	61-132	
Bromomethane	25.0	ND	25.0	100	55-144	
Carbon disulfide	25.0	ND	22.4	90	59-134	
Carbon tetrachloride	25.0	ND	22.1	88	72-134	
Chlorobenzene	25.0	ND	29.8	119	80-120	
Chlorobromomethane	25.0	ND	28.9	116	72-130	
Chlorodibromomethane	25.0	ND	26.0	104	75-125	
Chloroethane	25.0	ND	22.6	90	69-136	
Chloroform	25.0	ND	26.9	108	73-127	
Chloromethane	25.0	ND	32.3	129	68-124	F1
cis-1,2-Dichloroethene	25.0	ND	29.4	117	74-124	
Cyclohexane	25.0	0.84 J	23.7	92	59-135	
Dichlorobromomethane	25.0	ND	25.2	101	80-122	
Dichlorodifluoromethane	25.0	ND	21.0	84	59-135	
Ethylbenzene	25.0	ND	27.9	111	77-123	
Ethylene Dibromide	25.0	ND	26.0	104	77-120	
Isopropylbenzene	25.0	ND	24.5	98	77-122	
Methyl acetate	50.0	ND	45.2	90	74-133	
Methyl tert-butyl ether	25.0	ND	24.5	98	77-120	
Methylcyclohexane	25.0	ND	23.6	94	68-134	
Methylene Chloride	25.0	ND	26.8	107	75-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S5969.D

Lab ID: 480-129453-1 MS Client ID: MW-48C-122117 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
m-Xylene & p-Xylene	25.0	ND	28.8	115	76-122	
o-Xylene	25.0	ND	29.4	118	76-122	
Tetrachloroethene	25.0	6.5	33.3	107	74-122	
Toluene	25.0	ND	26.6	106	80-122	
trans-1,2-Dichloroethene	25.0	ND	28.4	113	73-127	
trans-1,3-Dichloropropene	25.0	ND	23.3	93	80-120	
Trichloroethene	25.0	2.6	30.5	112	74-123	
Trichlorofluoromethane	25.0	ND	14.3	57	62-150	F1
Vinyl chloride	25.0	ND	26.6	106	65-133	
cis-1,3-Dichloropropene	25.0	ND	25.5	102	74-124	
Styrene	25.0	ND	30.1	121	80-120	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S5970.D

Lab ID: 480-129453-1 MSD Client ID: MW-48C-122117 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.5	106	11	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.1	92	3	15	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.1	88	5	20	61-148	
1,1,2-Trichloroethane	25.0	26.8	107	0	15	76-122	
1,1-Dichloroethane	25.0	27.3	109	1	20	77-120	
1,1-Dichloroethene	25.0	19.9	80	6	16	66-127	
1,2,3-Trichlorobenzene	25.0	27.1	108	3	20	75-123	
1,2,4-Trichlorobenzene	25.0	27.8	111	1	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	17.7	71	0	15	56-134	
1,2-Dichlorobenzene	25.0	29.6	107	1	20	80-124	
1,2-Dichloroethane	25.0	26.4	106	9	20	75-120	
1,2-Dichloropropane	25.0	25.8	103	7	20	76-120	
1,3-Dichlorobenzene	25.0	27.5	110	0	20	77-120	
1,4-Dichlorobenzene	25.0	26.9	108	1	20	78-124	
1,4-Dioxane	500	353	71	2	20	50-150	
2-Butanone (MEK)	125	120	96	4	20	57-140	
2-Hexanone	125	112	89	2	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	111	89	1	35	71-125	
Acetone	125	126	89	3	15	56-142	
Benzene	25.0	39.8	100	5	13	71-124	
Bromoform	25.0	27.1	108	8	15	61-132	
Bromomethane	25.0	28.7	115	14	15	55-144	
Carbon disulfide	25.0	21.8	87	3	15	59-134	
Carbon tetrachloride	25.0	24.7	99	11	15	72-134	
Chlorobenzene	25.0	28.6	114	4	25	80-120	
Chlorobromomethane	25.0	28.0	112	3	15	72-130	
Chlorodibromomethane	25.0	26.3	105	1	15	75-125	
Chloroethane	25.0	26.9	107	17	15	69-136	F2
Chloroform	25.0	27.8	111	3	20	73-127	
Chloromethane	25.0	29.0	116	11	15	68-124	
cis-1,2-Dichloroethene	25.0	27.9	111	5	15	74-124	
Cyclohexane	25.0	21.7	83	9	20	59-135	
Dichlorobromomethane	25.0	26.7	107	6	15	80-122	
Dichlorodifluoromethane	25.0	20.0	80	5	20	59-135	
Ethylbenzene	25.0	26.7	107	4	15	77-123	
Ethylene Dibromide	25.0	26.6	106	2	15	77-120	
Isopropylbenzene	25.0	24.3	97	1	20	77-122	
Methyl acetate	50.0	41.3	83	9	20	74-133	
Methyl tert-butyl ether	25.0	24.6	98	1	37	77-120	
Methylcyclohexane	25.0	23.2	93	2	20	68-134	
Methylene Chloride	25.0	25.8	103	4	15	75-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S5970.D

Lab ID: 480-129453-1 MSD Client ID: MW-48C-122117 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
m-Xylene & p-Xylene	25.0	27.3	109	5	16	76-122	
o-Xylene	25.0	27.4	110	7	16	76-122	
Tetrachloroethene	25.0	32.8	105	2	20	74-122	
Toluene	25.0	27.3	109	3	15	80-122	
trans-1,2-Dichloroethene	25.0	27.6	110	3	20	73-127	
trans-1,3-Dichloropropene	25.0	25.8	103	10	15	80-120	
Trichloroethene	25.0	30.2	110	1	16	74-123	
Trichlorofluoromethane	25.0	15.5	62	8	20	62-150	
Vinyl chloride	25.0	23.9	95	11	15	65-133	
cis-1,3-Dichloropropene	25.0	25.0	100	2	15	74-124	
Styrene	25.0	28.0	112	7	20	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Lab File ID: 95289P.D Lab Sample ID: MB 480-393586/6

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

Instrument ID: HP5973P Date Analyzed: 12/26/2017 19:52

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-393586/4	95287P.D	12/26/2017 18:58
TB-122117	480-129453-7	95293P.D	12/26/2017 21:51

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Lab File ID: S5961.D Lab Sample ID: MB 480-393593/6

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

Instrument ID: HP5973S Date Analyzed: 12/26/2017 20:54

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 480-393593/4	S5959.D	12/26/2017 20:08
MW-48C-122117	480-129453-1	S5962.D	12/26/2017 21:35
MW-37C-122117	480-129453-2	S5963.D	12/26/2017 21:59
MW-28C-122117	480-129453-3	S5964.D	12/26/2017 22:22
DUP-122117	480-129453-4	S5965.D	12/26/2017 22:45
MW-28D-122117	480-129453-5	S5966.D	12/26/2017 23:08
MW-47C-122117	480-129453-6	S5967.D	12/26/2017 23:31
MW-46C-122117	480-129453-8	S5968.D	12/26/2017 23:55
MW-48C-122117 MS	480-129453-1 MS	S5969.D	12/27/2017 00:18
MW-48C-122117 MSD	480-129453-1 MSD	S5970.D	12/27/2017 00:41

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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Lab File ID: 94696P.D BFB Injection Date: 12/05/2017

Instrument ID: HP5973P BFB Injection Time: 12:30

Analysis Batch No.: 390433

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	37.6	
75	30.0 - 60.0 % of mass 95	47.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	50.0 - 120.00 % of mass 95	85.2	
175	5.0 - 9.0 % of mass 174	5.2	(6.1) 1
176	95.0 - 101.0 % of mass 174	81.0	(95.1) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-390433/7	94698P.D	12/05/2017	13:31
	IC 480-390433/8	94699P.D	12/05/2017	13:59
	IC 480-390433/9	94700P.D	12/05/2017	14:27
	IC 480-390433/10	94701P.D	12/05/2017	14:54
	ICIS 480-390433/11	94702P.D	12/05/2017	15:21
	IC 480-390433/12	94703P.D	12/05/2017	16:00
	IC 480-390433/13	94704P.D	12/05/2017	16:27

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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Lab File ID: 95284P.D BFB Injection Date: 12/26/2017

Instrument ID: HP5973P BFB Injection Time: 17:35

Analysis Batch No.: 393586

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	36.8	
75	30.0 - 60.0 % of mass 95	43.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.2	
173	Less than 2.0 % of mass 174	0.5	(0.6) 1
174	50.0 - 120.00 % of mass 95	90.4	
175	5.0 - 9.0 % of mass 174	7.9	(8.8) 1
176	95.0 - 101.0 % of mass 174	87.5	(96.7) 1
177	5.0 - 9.0 % of mass 176	6.9	(7.9) 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 480-393586/3	95285P.D	12/26/2017	18:03
	LCS 480-393586/4	95287P.D	12/26/2017	18:58
	MB 480-393586/6	95289P.D	12/26/2017	19:52
TB-122117	480-129453-7	95293P.D	12/26/2017	21:51

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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Lab File ID: S3867.D BFB Injection Date: 11/05/2017

Instrument ID: HP5973S BFB Injection Time: 18:55

Analysis Batch No.: 385713

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.3	
75	30.0 - 60.0 % of mass 95	45.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.0	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	82.8	
175	5.0 - 9.0 % of mass 174	6.2	(7.4) 1
176	95.0 - 101.0 % of mass 174	80.7	(97.5) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-385713/8	S3869.D	11/05/2017	19:42
	IC 480-385713/9	S3870.D	11/05/2017	20:05
	IC 480-385713/10	S3871.D	11/05/2017	20:28
	IC 480-385713/11	S3872.D	11/05/2017	20:52
	IC 480-385713/12	S3873.D	11/05/2017	21:15
	ICIS 480-385713/13	S3874.D	11/05/2017	21:38
	IC 480-385713/14	S3875.D	11/05/2017	22:01
	IC 480-385713/15	S3876.D	11/05/2017	22:24

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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Lab File ID: S5956.D BFB Injection Date: 12/26/2017

Instrument ID: HP5973S BFB Injection Time: 18:56

Analysis Batch No.: 393593

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	45.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.8	
173	Less than 2.0 % of mass 174	0.4	(0.4) 1
174	50.0 - 120.00 % of mass 95	95.7	
175	5.0 - 9.0 % of mass 174	6.5	(6.8) 1
176	95.0 - 101.0 % of mass 174	93.0	(97.2) 1
177	5.0 - 9.0 % of mass 176	6.5	(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 480-393593/2	S5957.D	12/26/2017	19:21
	LCS 480-393593/4	S5959.D	12/26/2017	20:08
	MB 480-393593/6	S5961.D	12/26/2017	20:54
MW-48C-122117	480-129453-1	S5962.D	12/26/2017	21:35
MW-37C-122117	480-129453-2	S5963.D	12/26/2017	21:59
MW-28C-122117	480-129453-3	S5964.D	12/26/2017	22:22
DUP-122117	480-129453-4	S5965.D	12/26/2017	22:45
MW-28D-122117	480-129453-5	S5966.D	12/26/2017	23:08
MW-47C-122117	480-129453-6	S5967.D	12/26/2017	23:31
MW-46C-122117	480-129453-8	S5968.D	12/26/2017	23:55
MW-48C-122117 MS	480-129453-1 MS	S5969.D	12/27/2017	00:18
MW-48C-122117 MSD	480-129453-1 MSD	S5970.D	12/27/2017	00:41

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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Sample No.: ICIS 480-390433/11 Date Analyzed: 12/05/2017 15:21

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): 94702P.D Heated Purge: (Y/N) N

Calibration ID: 32299

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		205219	10.43	444868	14.38	481236	17.34
UPPER LIMIT		410438	10.93	889736	14.88	962472	17.84
LOWER LIMIT		102610	9.93	222434	13.88	240618	16.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-393586/3		136121	10.43	326999	14.38	374454	17.33

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Sample No.: CCVIS 480-393586/3 Date Analyzed: 12/26/2017 18:03

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): 95285P.D Heated Purge: (Y/N) N

Calibration ID: 32301

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		136121	10.43	326999	14.38	374454	17.33
UPPER LIMIT		272242	10.93	653998	14.88	748908	17.83
LOWER LIMIT		68061	9.93	163500	13.88	187227	16.83
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-393586/4		136460	10.42	338577	14.38	397477	17.33
MB 480-393586/6		139927	10.43	330194	14.38	384462	17.33
480-129453-7	TB-122117	133906	10.42	316379	14.38	375856	17.33

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Sample No.: ICIS 480-385713/13 Date Analyzed: 11/05/2017 21:38

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S3874.D Heated Purge: (Y/N) N

Calibration ID: 31908

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		138518	5.55	276575	8.55	281565	10.92
UPPER LIMIT		277036	6.05	553150	9.05	563130	11.42
LOWER LIMIT		69259	5.05	138288	8.05	140783	10.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-393593/2		109615	5.55	219464	8.55	246741	10.92

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Sample No.: CCVIS 480-393593/2 Date Analyzed: 12/26/2017 19:21

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S5957.D Heated Purge: (Y/N) N

Calibration ID: 31911

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		109615	5.55	219464	8.55	246741	10.92
UPPER LIMIT		219230	6.05	438928	9.05	493482	11.42
LOWER LIMIT		54808	5.05	109732	8.05	123371	10.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-393593/4		106750	5.55	222784	8.55	239445	10.92
MB 480-393593/6		104337	5.55	208011	8.55	212836	10.92
480-129453-1	MW-48C-122117	93083	5.55	201141	8.55	218007	10.92
480-129453-2	MW-37C-122117	105861	5.55	208508	8.55	217639	10.92
480-129453-3	MW-28C-122117	107836	5.55	213490	8.55	216972	10.92
480-129453-4	DUP-122117	102312	5.55	212636	8.55	199769	10.92
480-129453-5	MW-28D-122117	103396	5.55	205091	8.55	218529	10.92
480-129453-6	MW-47C-122117	103165	5.55	209392	8.55	211973	10.92
480-129453-8	MW-46C-122117	103734	5.55	206900	8.55	209606	10.92
480-129453-1 MS	MW-48C-122117 MS	94512	5.55	206613	8.55	241760	10.92
480-129453-1 MSD	MW-48C-122117 MSD	107730	5.55	217470	8.55	239321	10.92

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-48C-122117 | Lab Sample ID: 480-129453-1

Matrix: Water | Lab File ID: S5962.D

Analysis Method: 8260C | Date Collected: 12/21/2017 12:45

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 21:35

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.: 393593 | 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.41
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	2.7		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
123-91-1	1,4-Dioxane	ND		40	9.3
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	14		10	3.0
71-43-2	Benzene	15		1.0	0.41
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
74-97-5	Chlorobromomethane	ND		1.0	0.87
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND	F2	1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	F1	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
110-82-7	Cyclohexane	0.84	J	1.0	0.18
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-48C-122117 | Lab Sample ID: 480-129453-1

Matrix: Water | Lab File ID: S5962.D

Analysis Method: 8260C | Date Collected: 12/21/2017 12:45

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 21:35

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.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
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
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
127-18-4	Tetrachloroethene	6.5		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	2.6		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	F1	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
100-42-5	Styrene	ND	F1	1.0	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
2037-26-5	Toluene-d8 (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5962.D
Lims ID: 480-129453-B-1
Client ID: MW-48C-122117
Sample Type: Client
Inject. Date: 26-Dec-2017 21:35:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-129453-B-1
Misc. Info.: 480-0068223-008
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2018 14:14:27 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: reiler Date: 08-Jan-2018 14:12:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	93083	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.545	0.000	83	201141	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.918	0.000	95	218007	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	81	118646	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	70060	22.8	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	91	482965	23.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	93	178647	26.3	
10 Dichlorodifluoromethane	85		1.294				ND	
12 Chloromethane	50		1.483				ND	
13 Vinyl chloride	62		1.562				ND	
14 Bromomethane	94		1.890				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.219				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.730				ND	
22 1,1-Dichloroethene	96		2.748				ND	
23 Acetone	43	2.876	2.870	0.006	85	27101	14.3	
26 Carbon disulfide	76		2.949				ND	
27 Methyl acetate	43		3.174				ND	
30 Methylene Chloride	84	3.289	3.265	0.024	1	1132	0.2383	
32 Methyl tert-butyl ether	73		3.490				ND	
34 trans-1,2-Dichloroethene	96		3.502				ND	
39 1,1-Dichloroethane	63		3.922				ND	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	1	1551	0.3062	
43 2-Butanone (MEK)	43		4.518				ND	
48 Chlorobromomethane	128		4.719				ND	
50 Chloroform	83	4.798	4.798	0.000	1	600	0.0788	7M
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56	4.932	4.932	0.000	27	6628	0.8370	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78	5.279	5.273	0.006	96	269739	14.9	
58 1,2-Dichloroethane	62		5.333				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Trichloroethene	95	5.893	5.887	0.006	71	11746	2.58	
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
66 1,4-Dioxane	88		6.276				ND	
68 Dichlorobromomethane	83		6.410				ND	
72 cis-1,3-Dichloropropene	75		6.830				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92		7.128				ND	
77 trans-1,3-Dichloropropene	75		7.396				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166	7.663	7.664	0.000	93	36181	6.48	
80 2-Hexanone	43		7.816				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112	8.582	8.576	0.006	1	3688	0.2607	
88 Ethylbenzene	91		8.667				ND	
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.215				ND	
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.489				ND	
94 Isopropylbenzene	105		9.598				ND	
97 1,1,2,2-Tetrachloroethane	83		9.981				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146	10.948	10.943	0.005	1	2788	0.2144	M
116 1,2-Dichlorobenzene	146	11.289	11.289	0.000	86	33123	2.75	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.689				ND	
122 1,2,3-Trichlorobenzene	180		13.102				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

S_8260_IS_00275	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00244	Amount Added:	1.00	Units: uL	Run Reagent

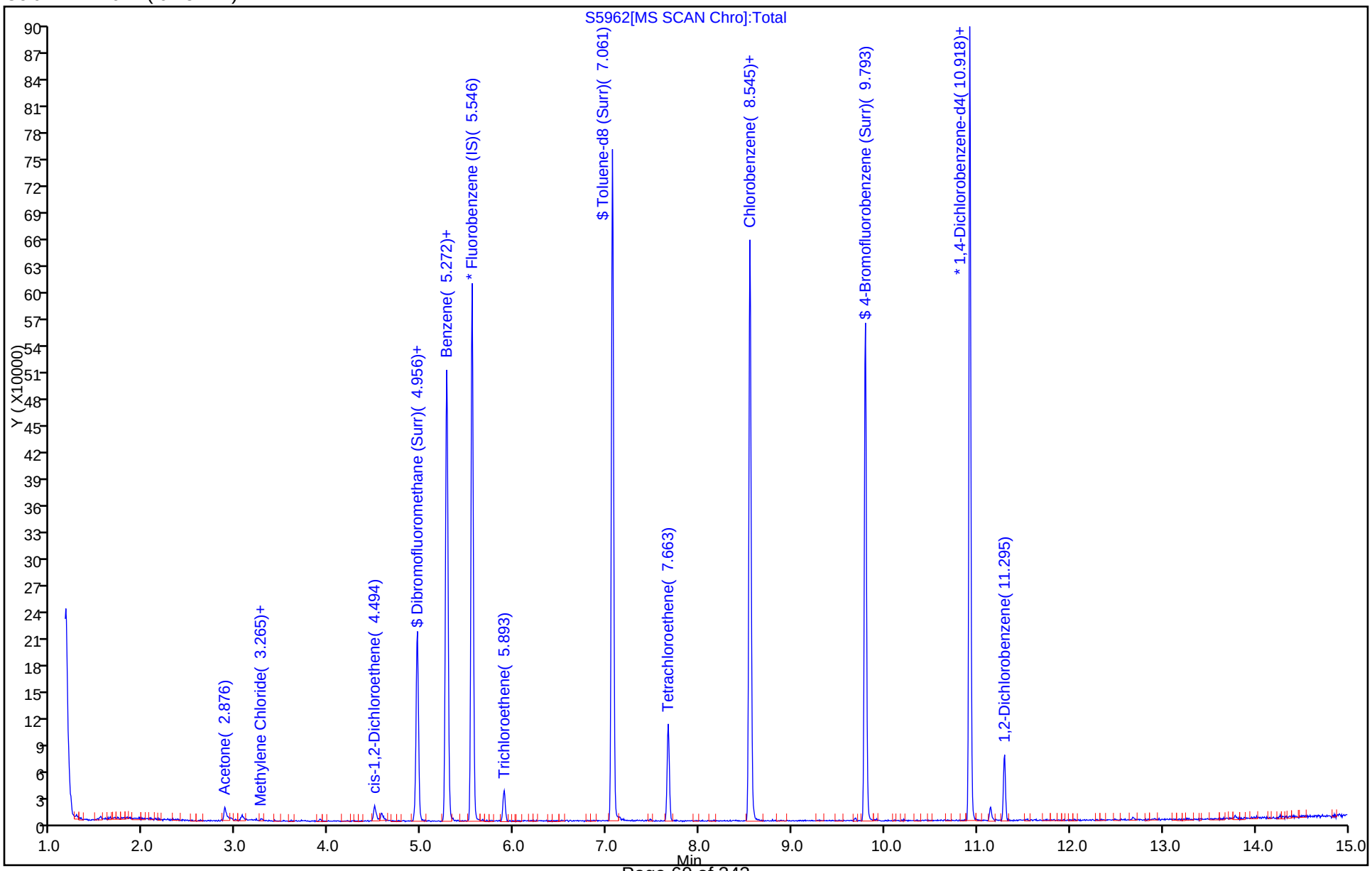
Report Date: 08-Jan-2018 14:14:34 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5962.D

Injection Date:	26-Dec-2017 21:35:30	Instrument ID:	HP5973S	Operator ID:	AS
Lims ID:	480-129453-B-1	Lab Sample ID:	480-129453-1	Worklist Smp#:	8
Client ID:	MW-48C-122117				
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)



Report Date: 08-Jan-2018 14:14:34 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5962.D

Injection Date: 26-Dec-2017 21:35:30 Instrument ID: HP5973S

Lims ID: 480-129453-B-1 Lab Sample ID: 480-129453-1

Client ID: MW-48C-122117

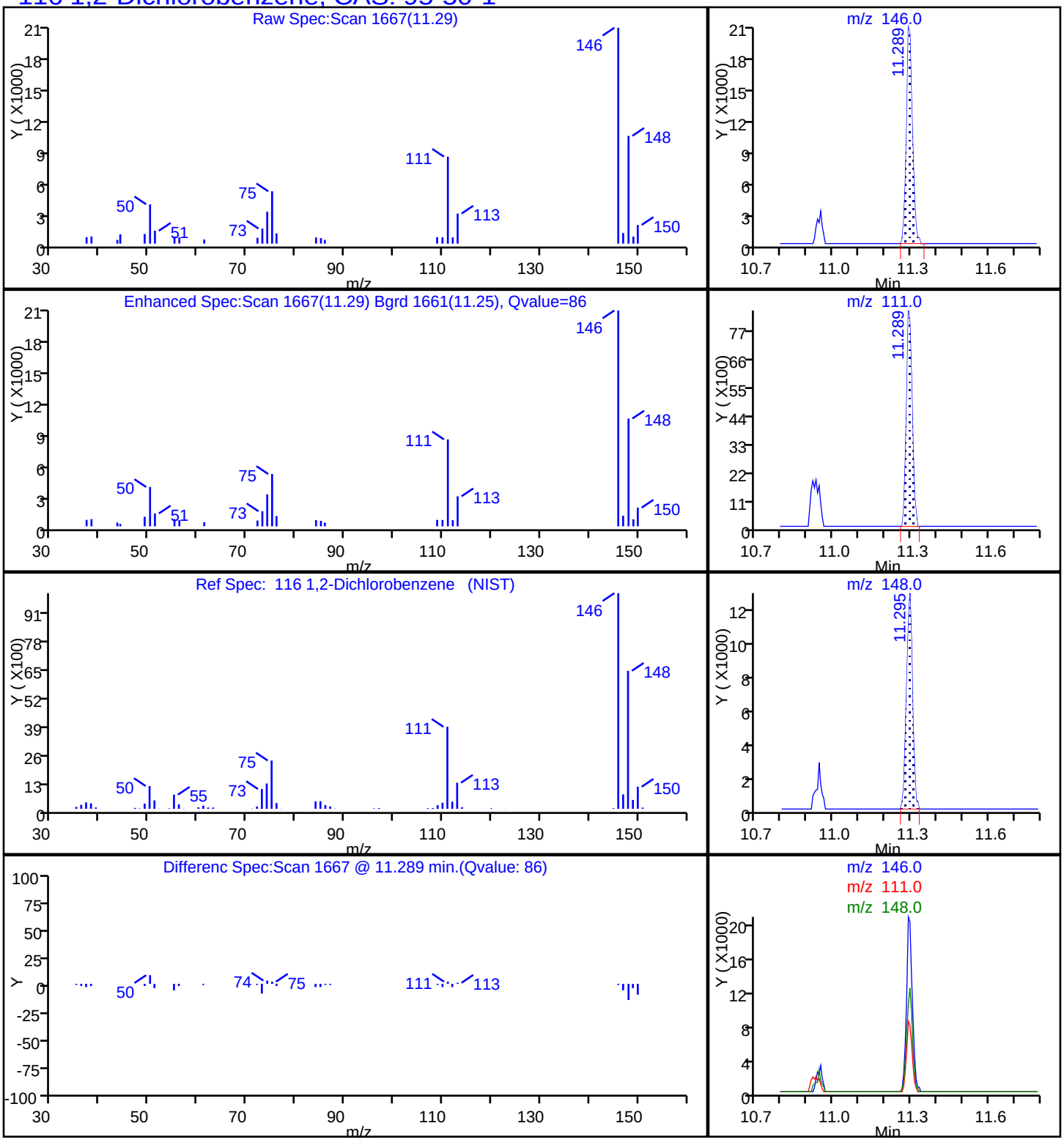
Operator ID: AS ALS Bottle#: 7 Worklist Smp#: 8

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

116 1,2-Dichlorobenzene, CAS: 95-50-1



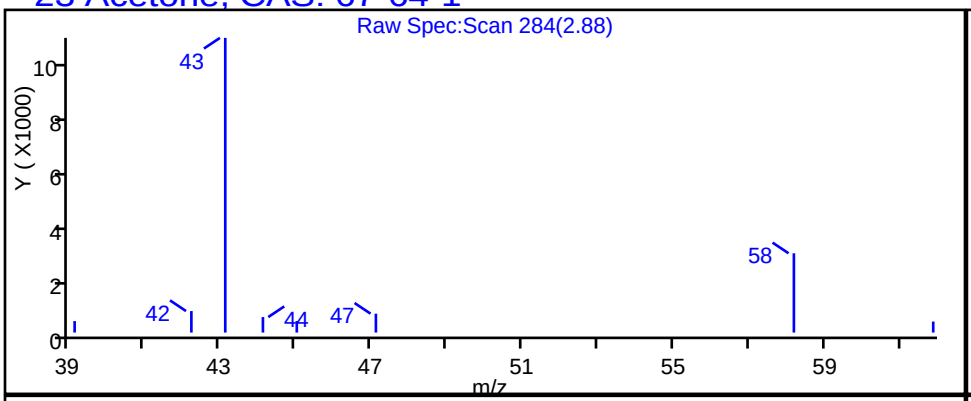
Report Date: 08-Jan-2018 14:14:34 Chrom Revision: 2.2 08-Dec-2017 11:41:26

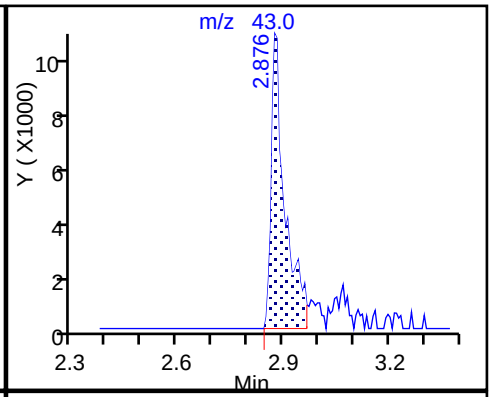
TestAmerica Buffalo

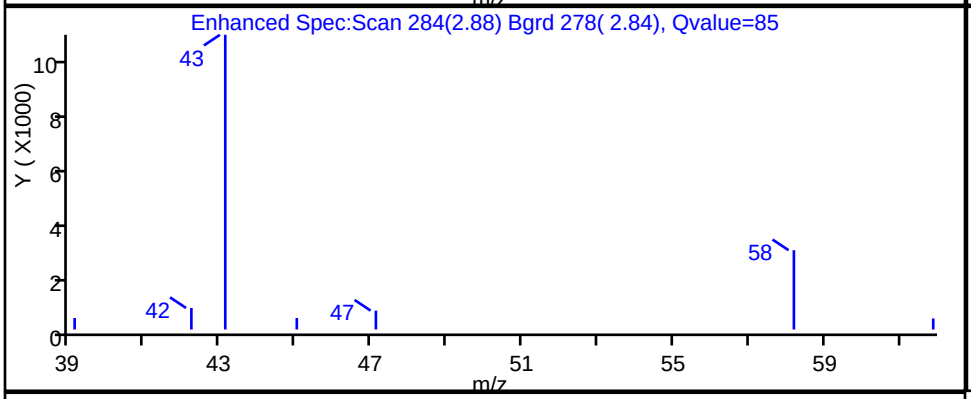
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5962.D

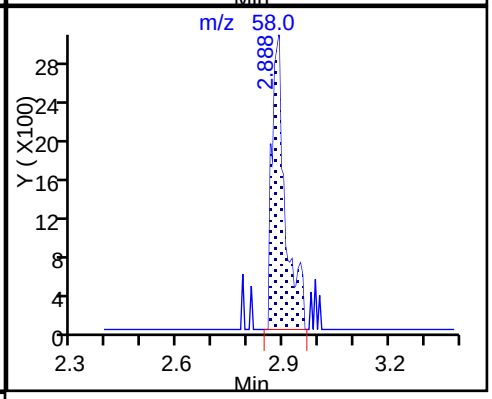
Injection Date:	26-Dec-2017 21:35:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-1	Lab Sample ID:	480-129453-1		
Client ID:	MW-48C-122117				
Operator ID:	AS	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

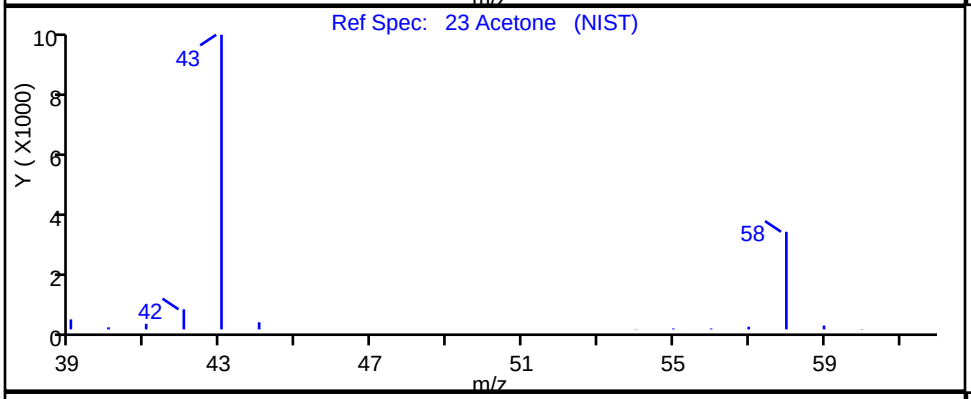
23 Acetone, CAS: 67-64-1

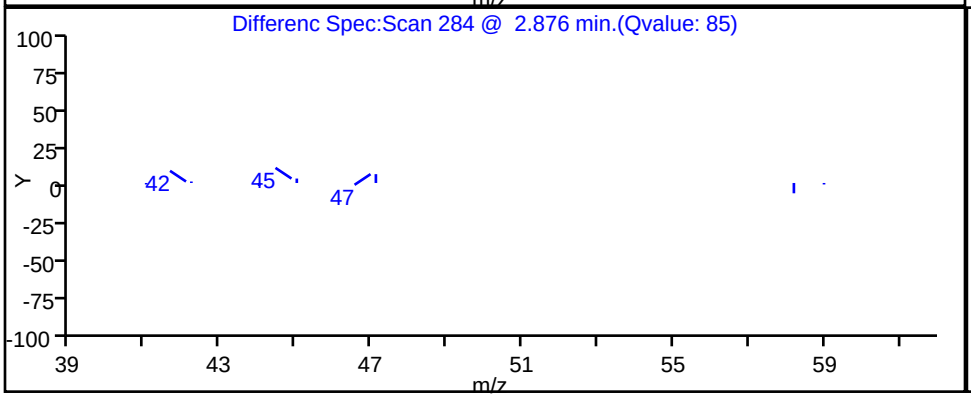


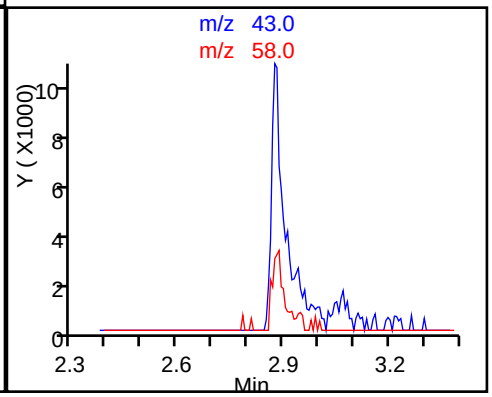












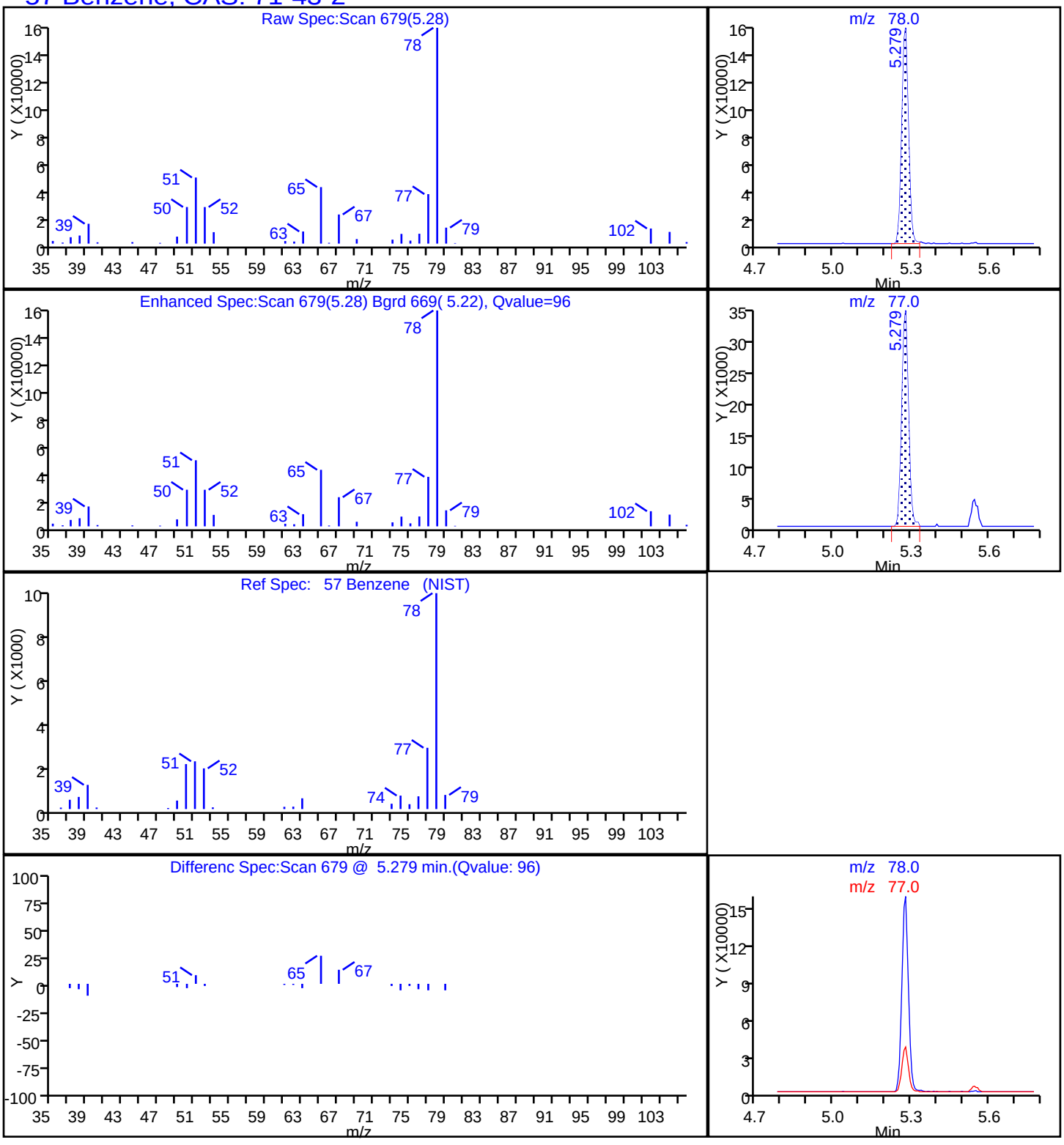
Report Date: 08-Jan-2018 14:14:34 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5962.D

Injection Date:	26-Dec-2017 21:35:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-1	Lab Sample ID:	480-129453-1		
Client ID:	MW-48C-122117				
Operator ID:	AS	ALS Bottle#:	7	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		

57 Benzene, CAS: 71-43-2



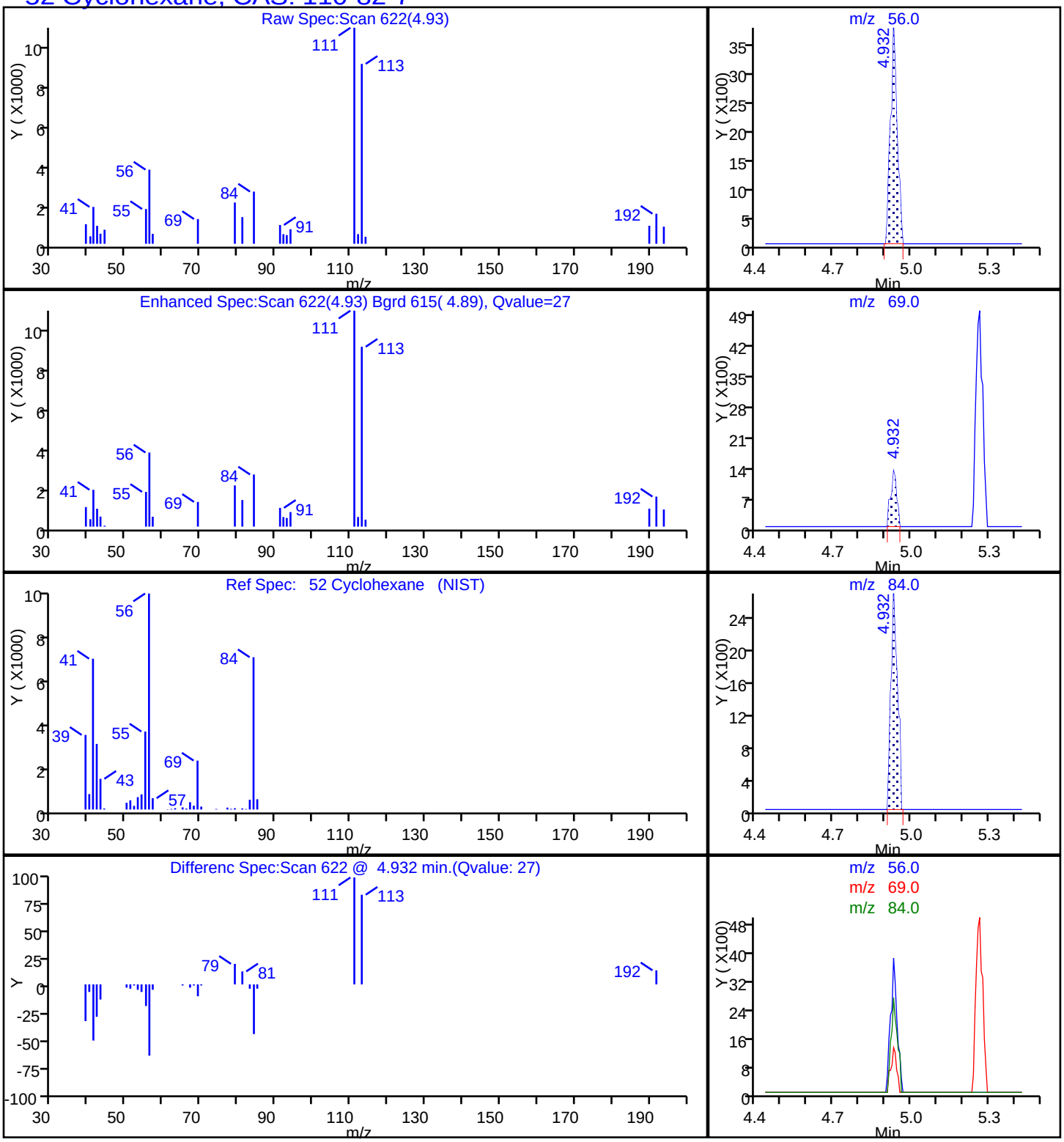
Report Date: 08-Jan-2018 14:14:34 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5962.D

Injection Date:	26-Dec-2017 21:35:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-1	Lab Sample ID:	480-129453-1		
Client ID:	MW-48C-122117				
Operator ID:	AS	ALS Bottle#:	7	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		

52 Cyclohexane, CAS: 110-82-7



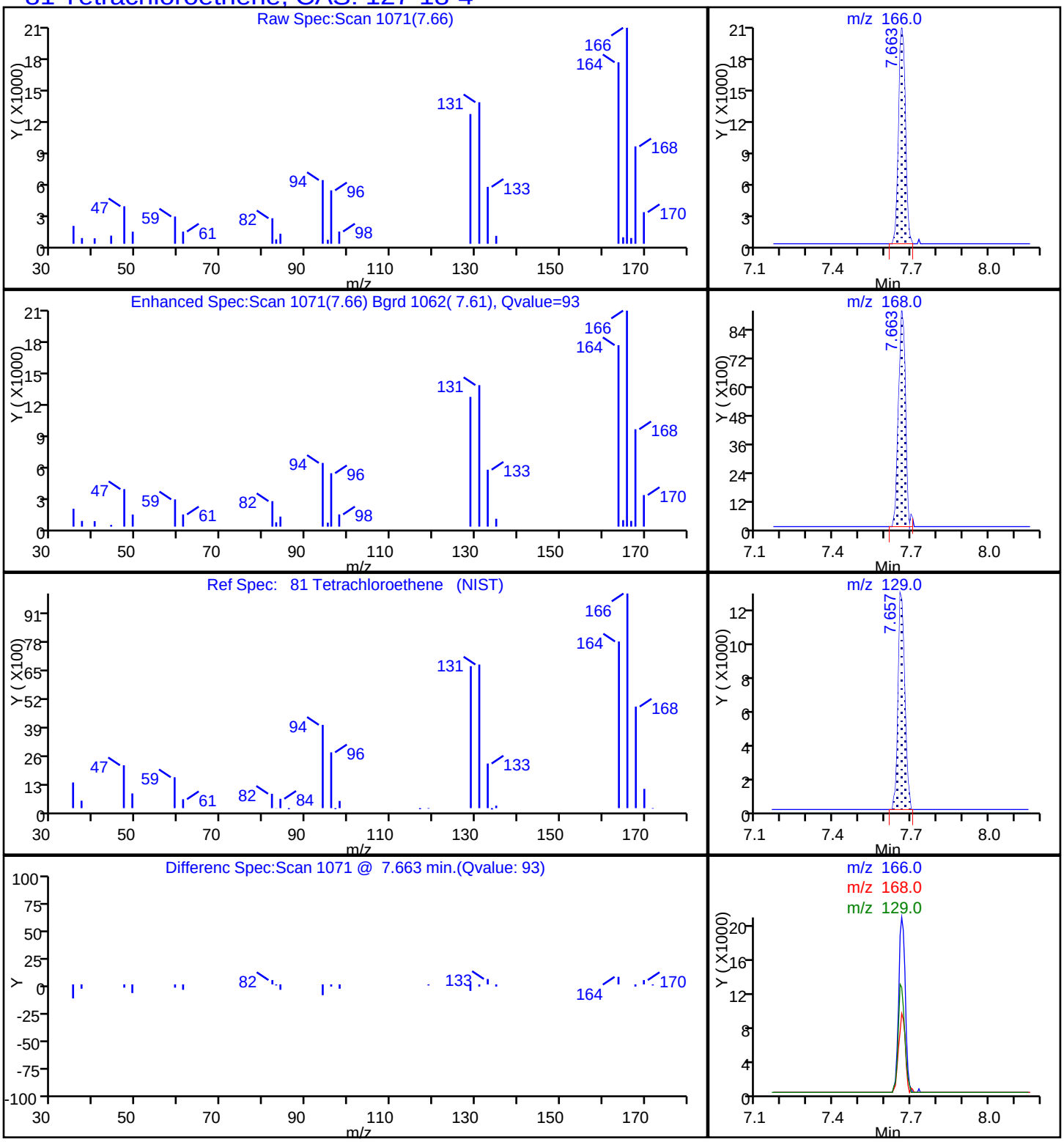
Report Date: 08-Jan-2018 14:14:34 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5962.D

Injection Date:	26-Dec-2017 21:35:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-1	Lab Sample ID:	480-129453-1		
Client ID:	MW-48C-122117				
Operator ID:	AS	ALS Bottle#:	7	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		

81 Tetrachloroethene, CAS: 127-18-4



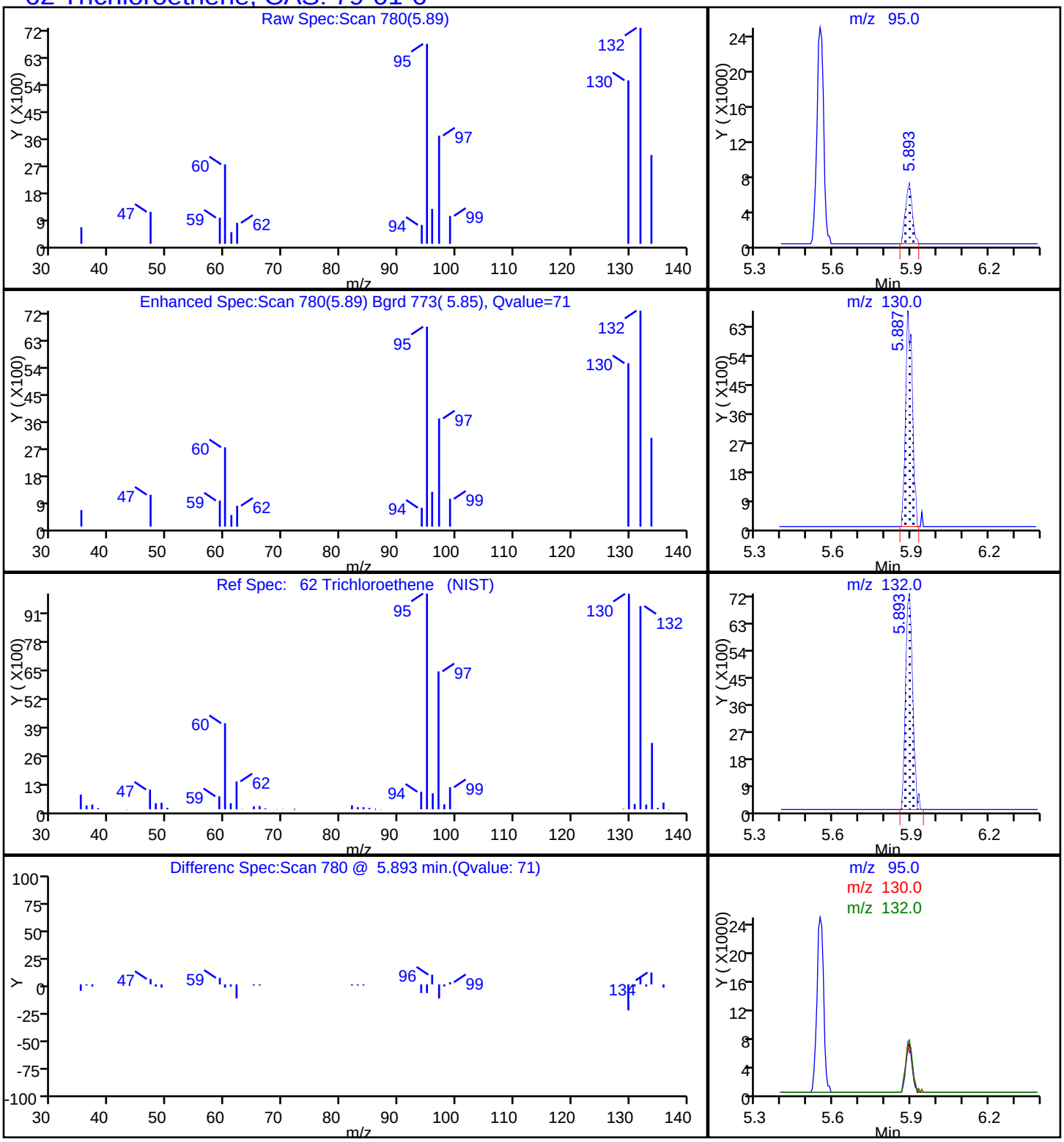
Report Date: 08-Jan-2018 14:14:34 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5962.D

Injection Date:	26-Dec-2017 21:35:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-1	Lab Sample ID:	480-129453-1		
Client ID:	MW-48C-122117				
Operator ID:	AS	ALS Bottle#:	7	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		

62 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

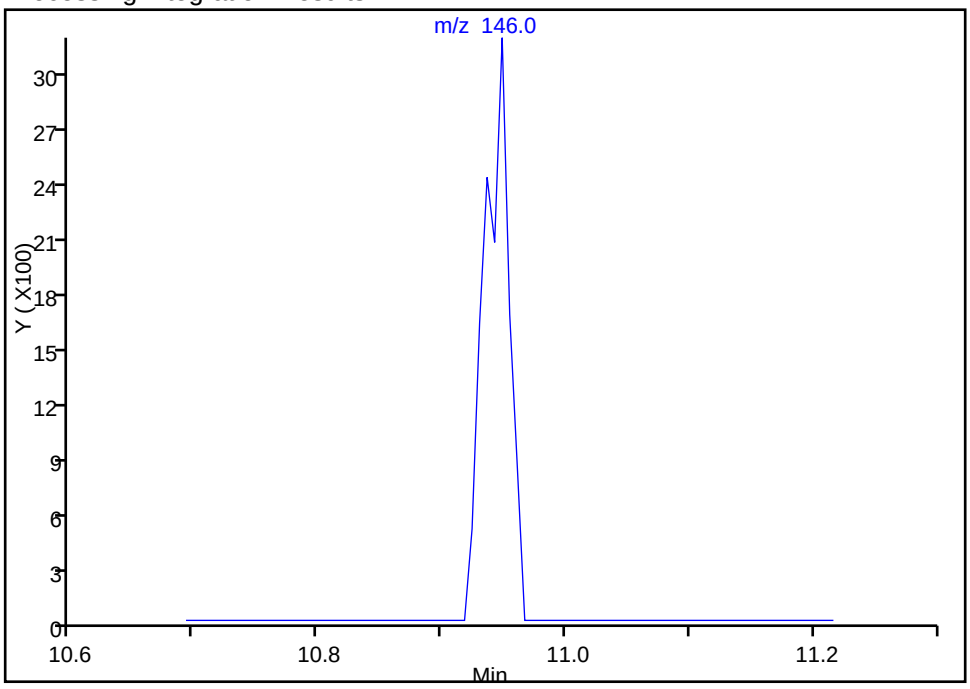
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5962.D				
Injection Date:	26-Dec-2017 21:35:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-1	Lab Sample ID:	480-129453-1		
Client ID:	MW-48C-122117				
Operator ID:	AS	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

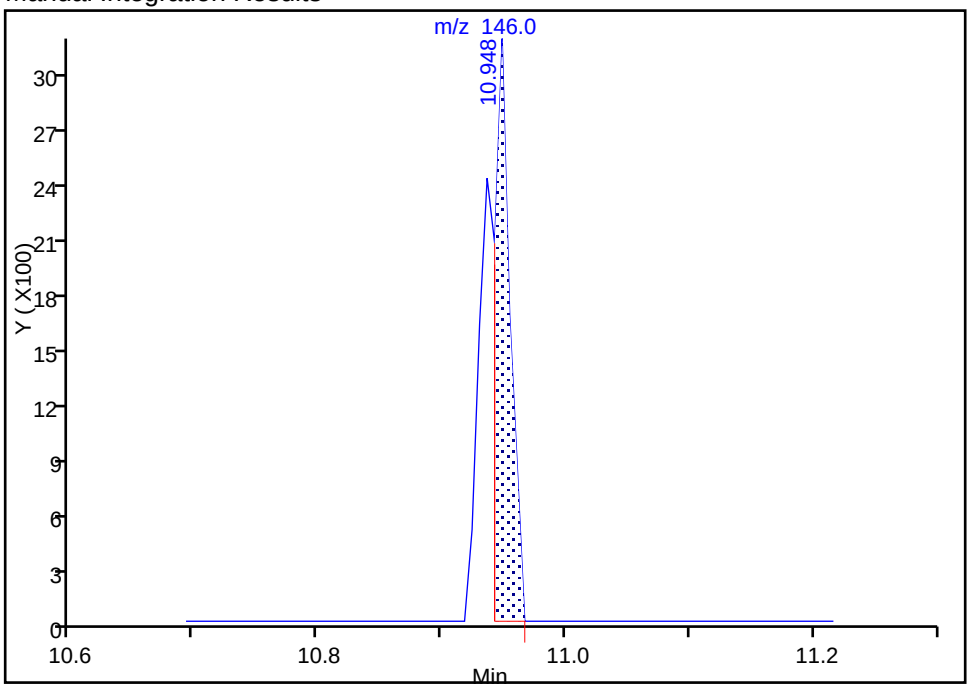
Not Detected
Expected RT: 10.94

Processing Integration Results



Manual Integration Results

RT: 10.95
Area: 2788
Amount: 0.214383
Amount Units: ug/L



Reviewer: sonkera, 26-Dec-2017 21:59:51
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

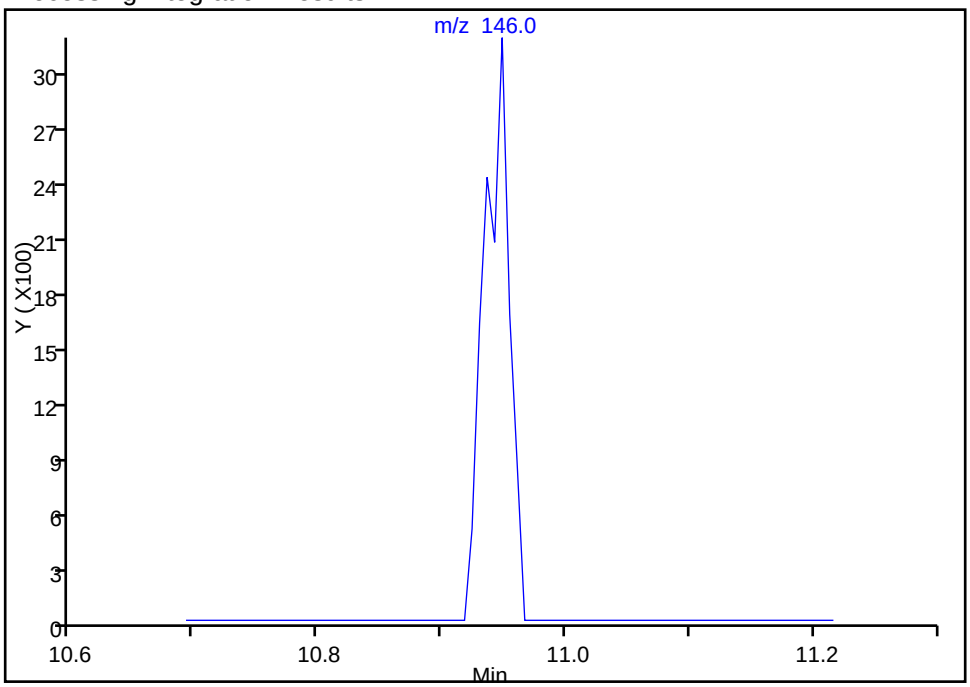
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5962.D				
Injection Date:	26-Dec-2017 21:35:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-1	Lab Sample ID:	480-129453-1		
Client ID:	MW-48C-122117				
Operator ID:	AS	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

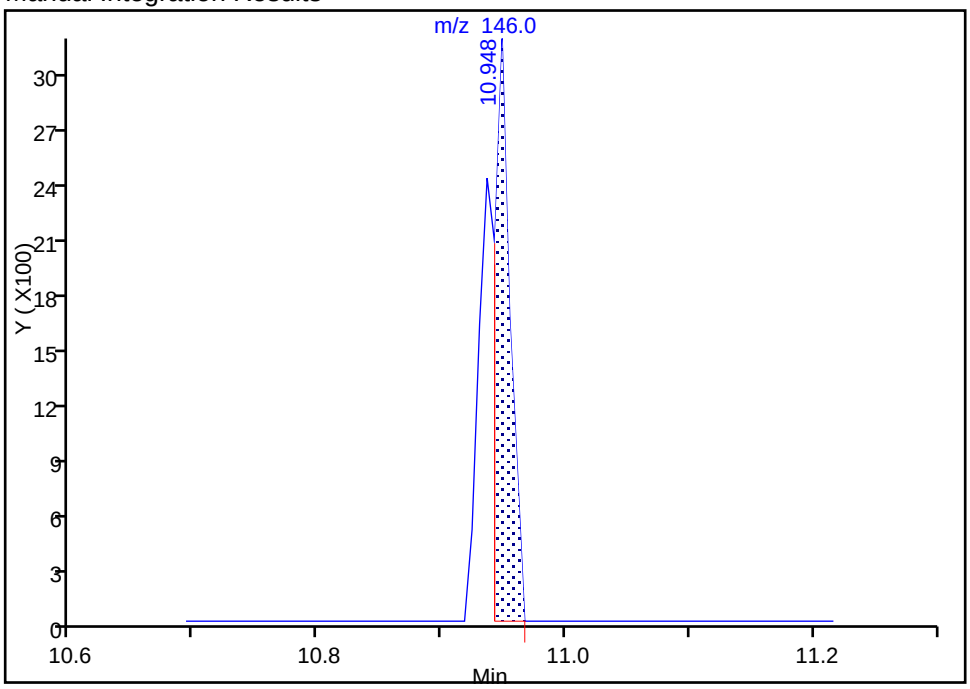
Processing Integration Results

Not Detected
Expected RT: 10.94



Manual Integration Results

RT: 10.95
Area: 2788
Amount: 0.214383
Amount Units: ug/L



Reviewer: sonkera, 26-Dec-2017 22:00:20
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

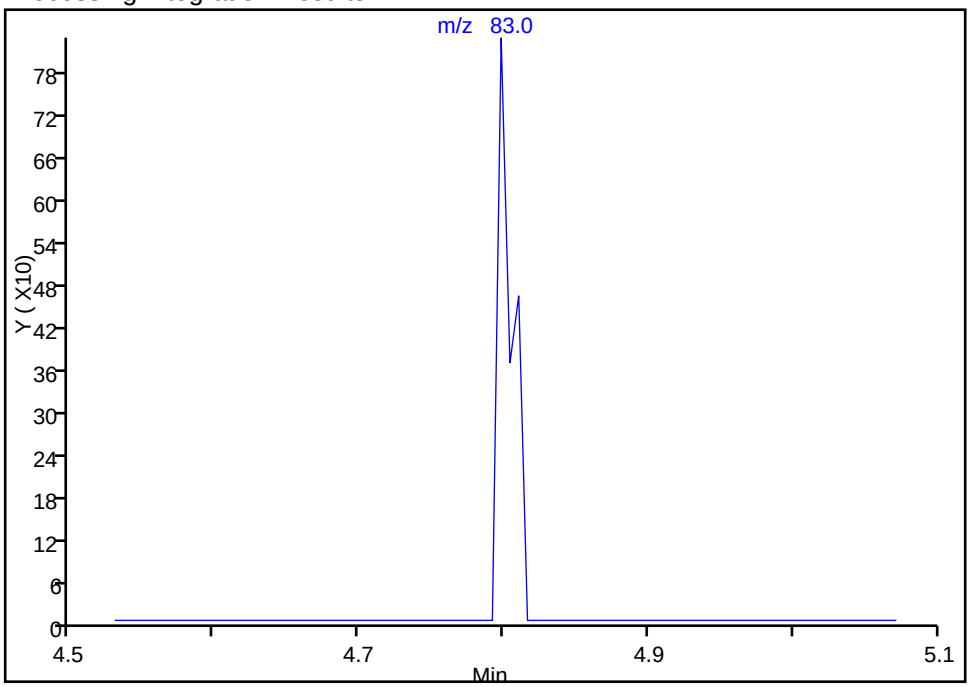
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5962.D				
Injection Date:	26-Dec-2017 21:35:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-1	Lab Sample ID:	480-129453-1		
Client ID:	MW-48C-122117				
Operator ID:	AS	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3

Signal: 1

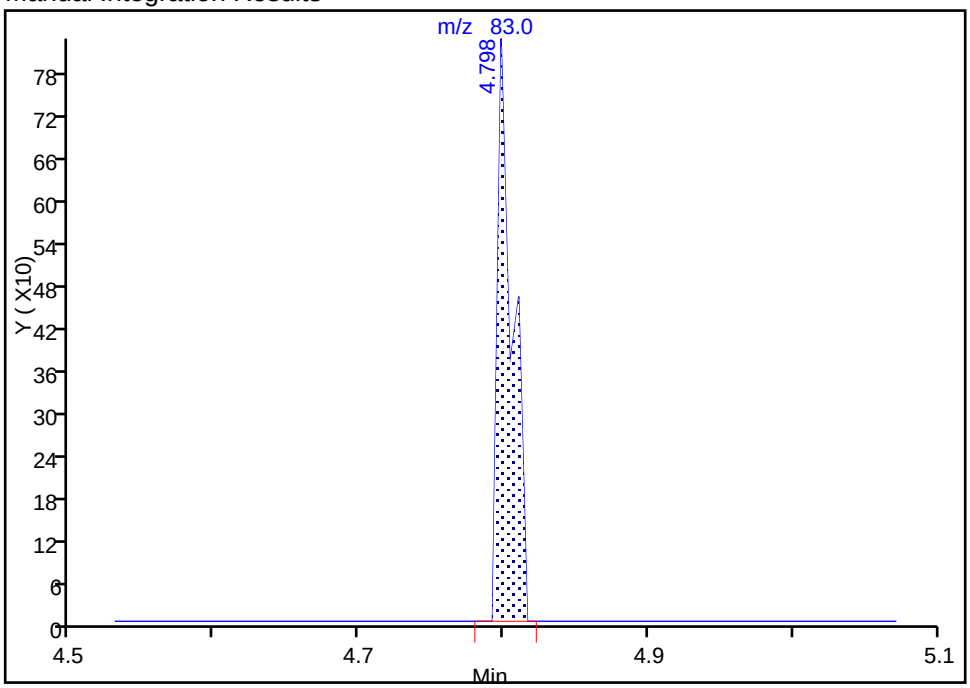
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.80
Area: 600
Amount: 0.078761
Amount Units: ug/L



Reviewer: sonkera, 26-Dec-2017 21:59:03
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

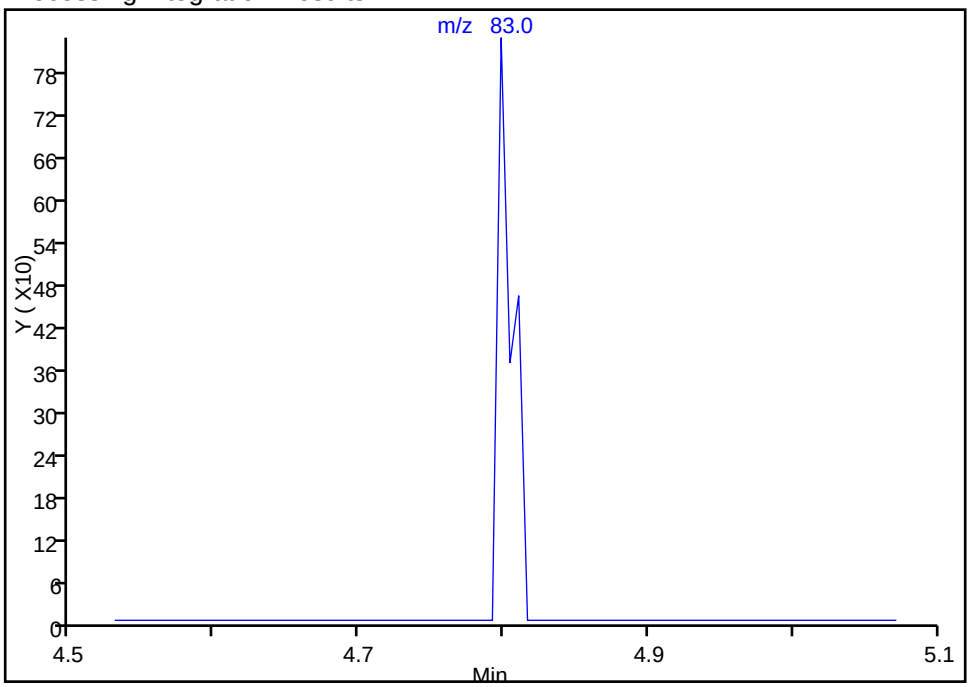
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5962.D				
Injection Date:	26-Dec-2017 21:35:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-1	Lab Sample ID:	480-129453-1		
Client ID:	MW-48C-122117				
Operator ID:	AS	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3

Signal: 1

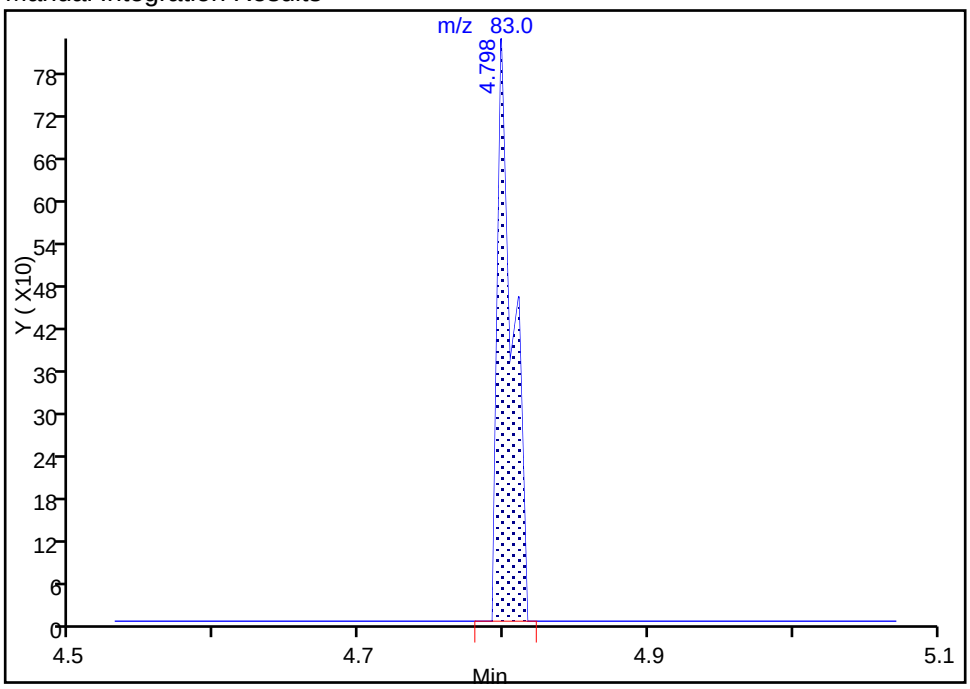
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.80
Area: 600
Amount: 0.078761
Amount Units: ug/L



Reviewer: sonkera, 26-Dec-2017 21:59:09
Audit Action: Manually Integrated Audit Reason: Missed Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-37C-122117 | Lab Sample ID: 480-129453-2

Matrix: Water | Lab File ID: S5963.D

Analysis Method: 8260C | Date Collected: 12/21/2017 13:05

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 21:59

Soil Aliquot Vol: | Dilution Factor: 2

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

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

Analysis Batch No.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
87-61-6	1,2,3-Trichlorobenzene	ND		2.0	0.82
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
123-91-1	1,4-Dioxane	ND		80	19
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	12	J	20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
74-97-5	Chlorobromomethane	ND		2.0	1.7
124-48-1	Chlorodibromomethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	5.2		2.0	1.6
110-82-7	Cyclohexane	ND		2.0	0.36
75-27-4	Dichlorobromomethane	ND		2.0	0.78
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-37C-122117 | Lab Sample ID: 480-129453-2

Matrix: Water | Lab File ID: S5963.D

Analysis Method: 8260C | Date Collected: 12/21/2017 13:05

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 21:59

Soil Aliquot Vol: | Dilution Factor: 2

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

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

Analysis Batch No.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
179601-23-1	m-Xylene & p-Xylene	ND		4.0	1.3
95-47-6	o-Xylene	ND		2.0	1.5
127-18-4	Tetrachloroethene	5.2		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	92		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	ND		2.0	1.8
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
100-42-5	Styrene	ND		2.0	1.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5963.D
Lims ID: 480-129453-B-2
Client ID: MW-37C-122117
Sample Type: Client
Inject. Date: 26-Dec-2017 21:59:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 480-129453-B-2
Misc. Info.: 480-0068223-009
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2018 14:14:27 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: farrellr Date: 27-Dec-2017 08:46:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	105861	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.545	0.000	81	208508	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.918	0.000	95	217639	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	68	128453	24.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	75937	21.8	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	92	530208	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	92	175026	24.9	
10 Dichlorodifluoromethane	85		1.294				ND	
12 Chloromethane	50		1.483				ND	
13 Vinyl chloride	62		1.562				ND	
14 Bromomethane	94		1.890				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.219				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.730				ND	
22 1,1-Dichloroethene	96		2.748				ND	
23 Acetone	43	2.876	2.870	0.006	83	12837	5.94	
26 Carbon disulfide	76		2.949				ND	
27 Methyl acetate	43		3.174				ND	
30 Methylene Chloride	84		3.265				ND	
32 Methyl tert-butyl ether	73		3.490				ND	
34 trans-1,2-Dichloroethene	96		3.502				ND	
39 1,1-Dichloroethane	63		3.922				ND	
45 cis-1,2-Dichloroethene	96	4.488	4.482	0.006	65	14969	2.60	
43 2-Butanone (MEK)	43		4.518				ND	
48 Chlorobromomethane	128		4.719				ND	
50 Chloroform	83		4.798				ND	
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56		4.932				ND	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78		5.273				ND	
58 1,2-Dichloroethane	62		5.333				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Trichloroethene	95	5.887	5.887	0.000	95	237911	46.0	
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
66 1,4-Dioxane	88		6.276				ND	
68 Dichlorobromomethane	83		6.410				ND	
72 cis-1,3-Dichloropropene	75		6.830				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92		7.128				ND	
77 trans-1,3-Dichloropropene	75		7.396				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166	7.663	7.664	0.000	85	14982	2.59	
80 2-Hexanone	43		7.816				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91		8.667				ND	
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.215				ND	
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.489				ND	
94 Isopropylbenzene	105		9.598				ND	
97 1,1,2,2-Tetrachloroethane	83		9.981				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.943				ND	
116 1,2-Dichlorobenzene	146		11.289				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.689				ND	
122 1,2,3-Trichlorobenzene	180		13.102				ND	

Reagents:

S_8260_IS_00275	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00244	Amount Added:	1.00	Units: uL	Run Reagent

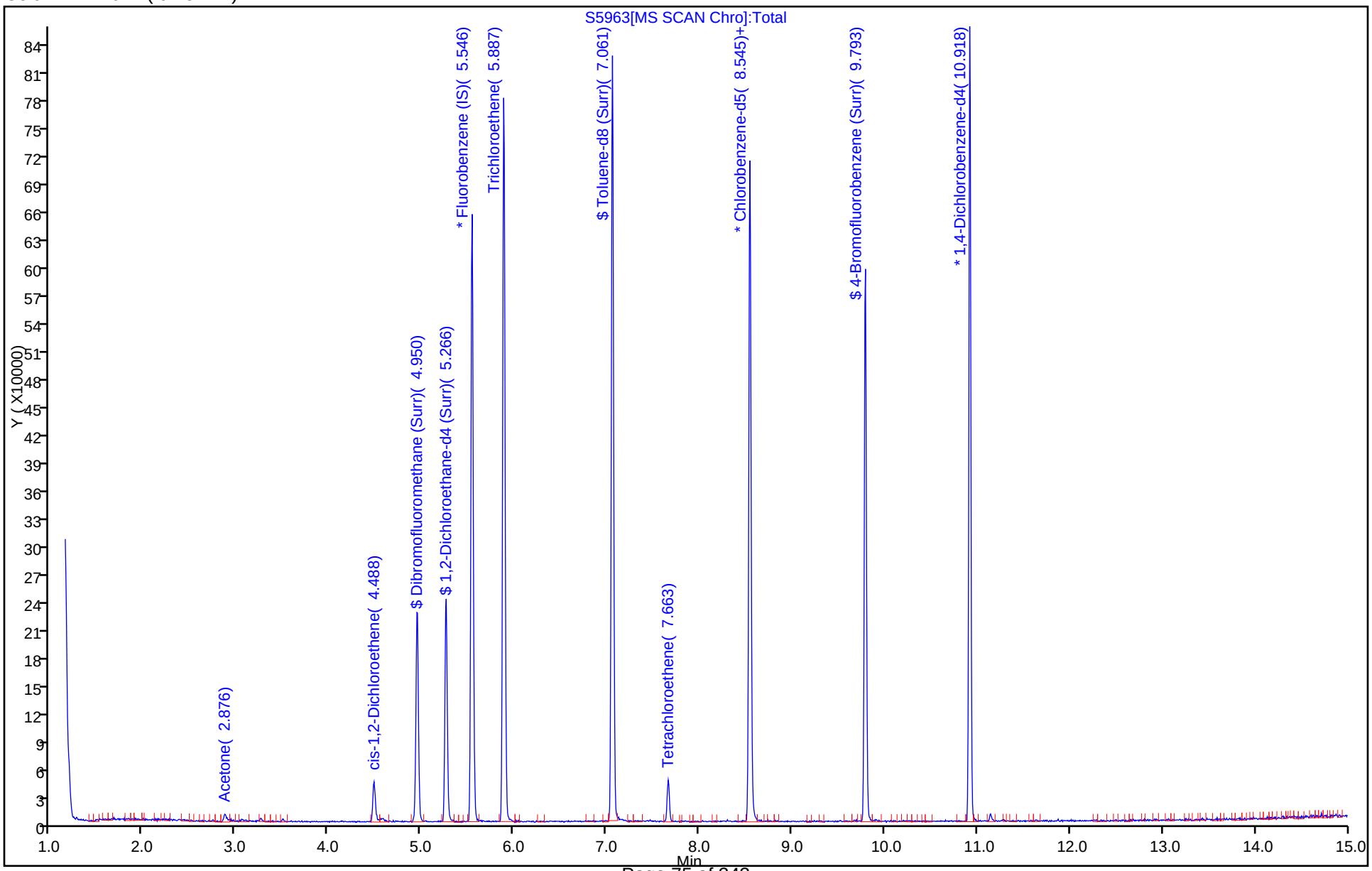
Report Date: 08-Jan-2018 14:14:35 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5963.D

Injection Date:	26-Dec-2017 21:59:30	Instrument ID:	HP5973S	Operator ID:	AS
Lims ID:	480-129453-B-2	Lab Sample ID:	480-129453-2	Worklist Smp#:	9
Client ID:	MW-37C-122117				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



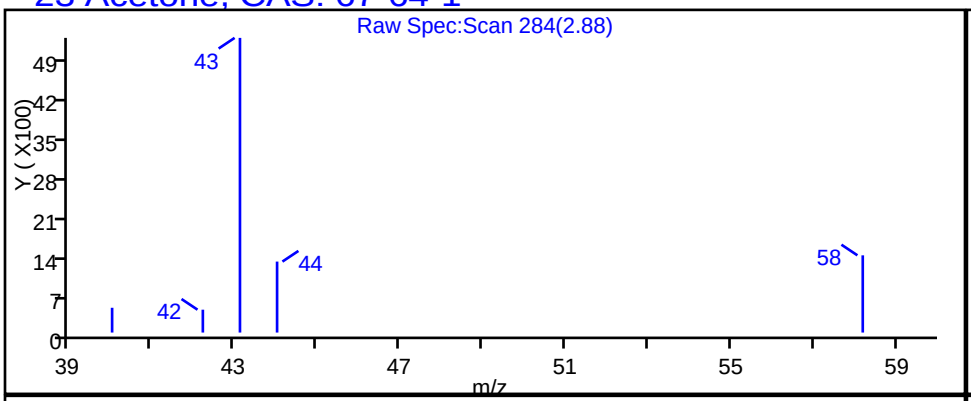
Report Date: 08-Jan-2018 14:14:35 Chrom Revision: 2.2 08-Dec-2017 11:41:26

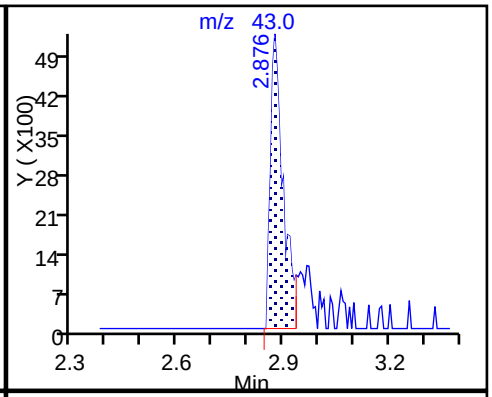
TestAmerica Buffalo

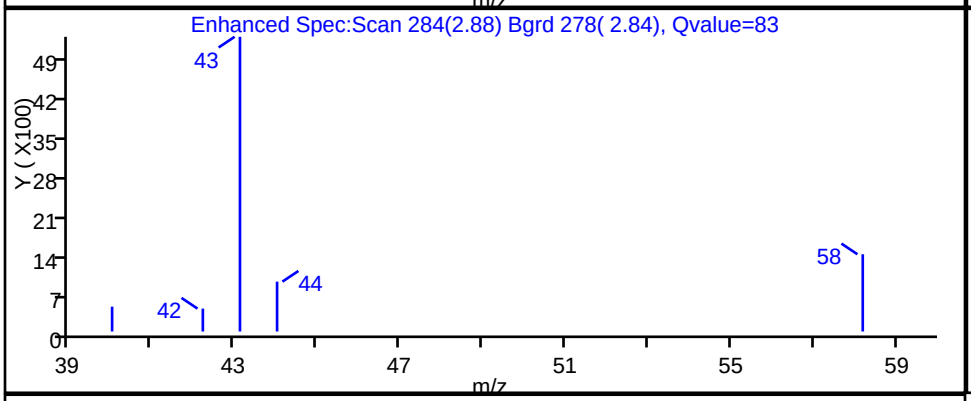
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5963.D

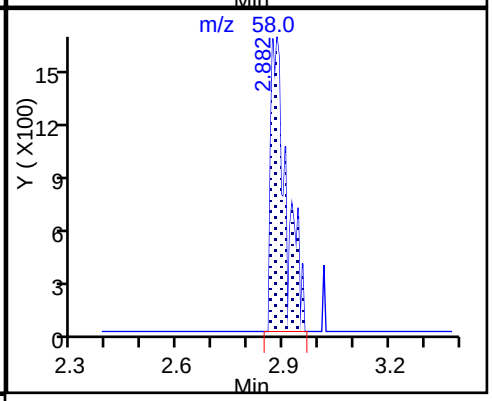
Injection Date:	26-Dec-2017 21:59:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-2	Lab Sample ID:	480-129453-2		
Client ID:	MW-37C-122117				
Operator ID:	AS	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

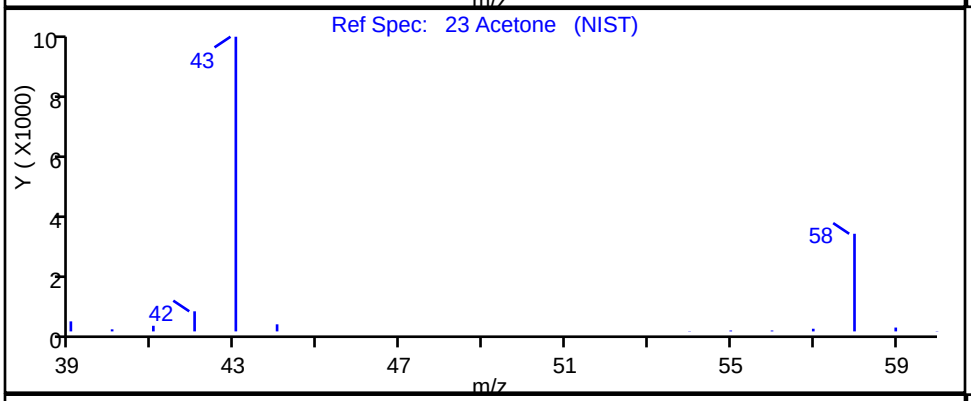
23 Acetone, CAS: 67-64-1

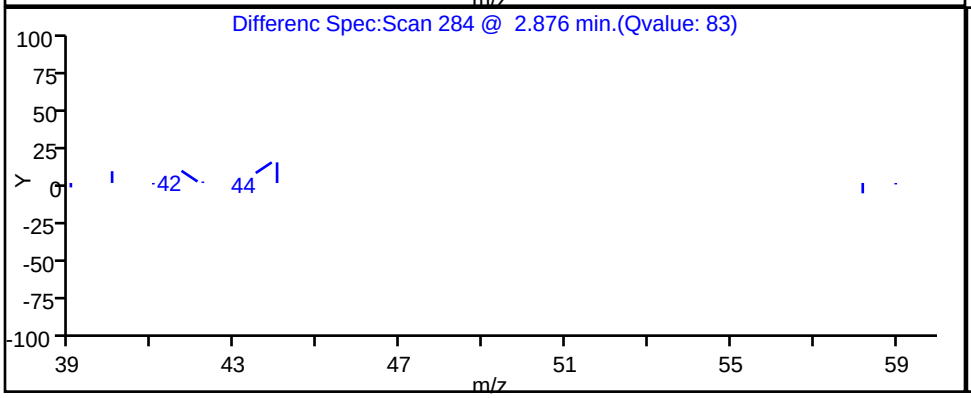


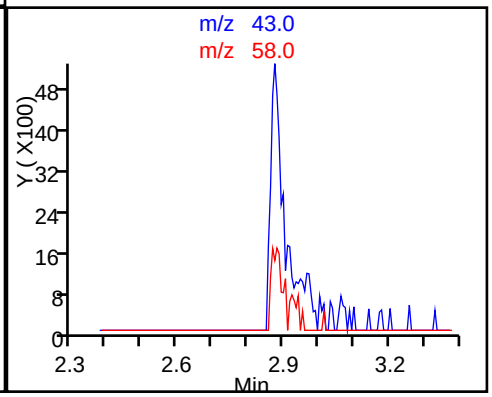












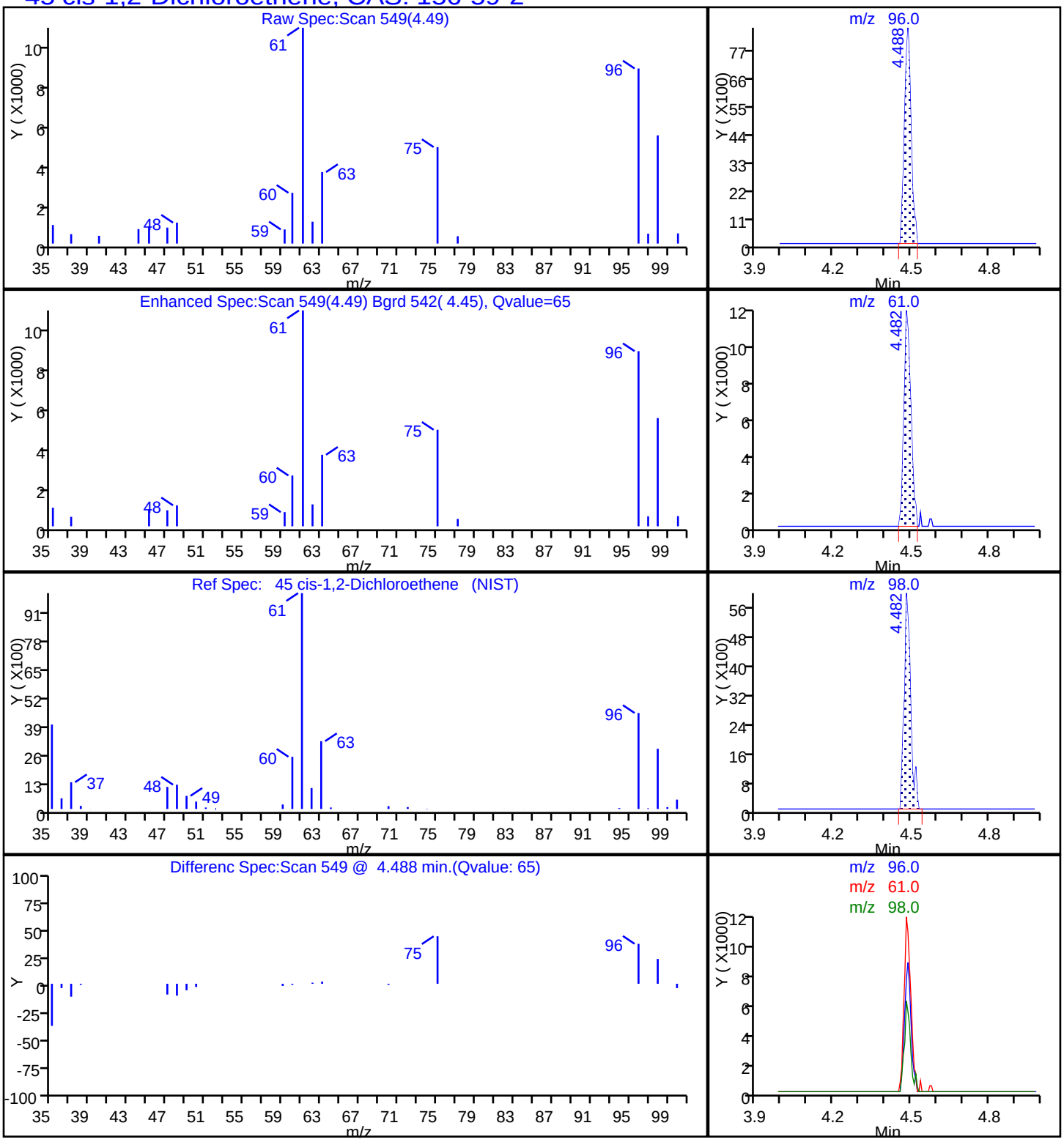
Report Date: 08-Jan-2018 14:14:35 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5963.D

Injection Date:	26-Dec-2017 21:59:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-2	Lab Sample ID:	480-129453-2		
Client ID:	MW-37C-122117				
Operator ID:	AS	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
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



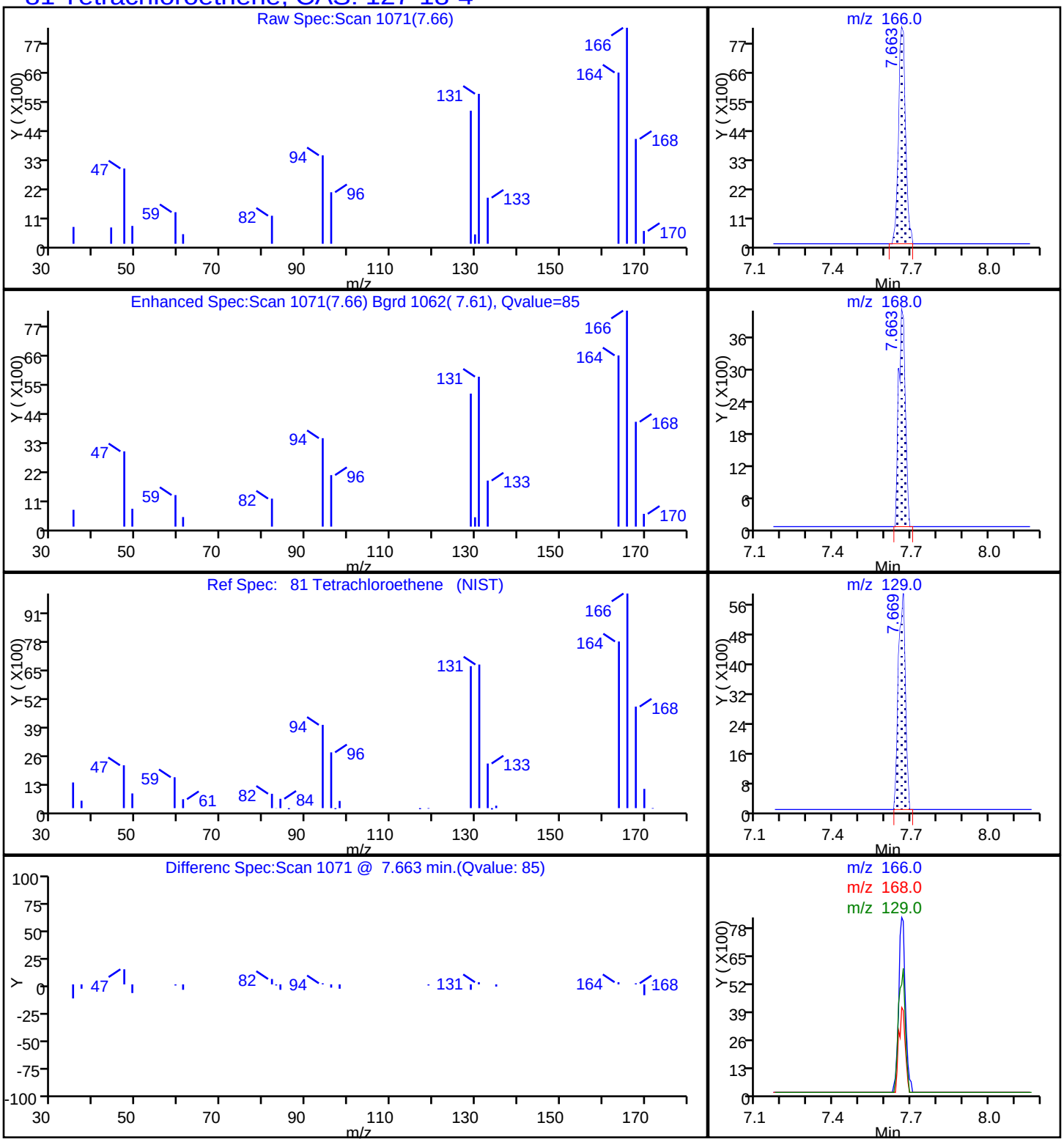
Report Date: 08-Jan-2018 14:14:35 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5963.D

Injection Date:	26-Dec-2017 21:59:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-2	Lab Sample ID:	480-129453-2		
Client ID:	MW-37C-122117				
Operator ID:	AS	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4



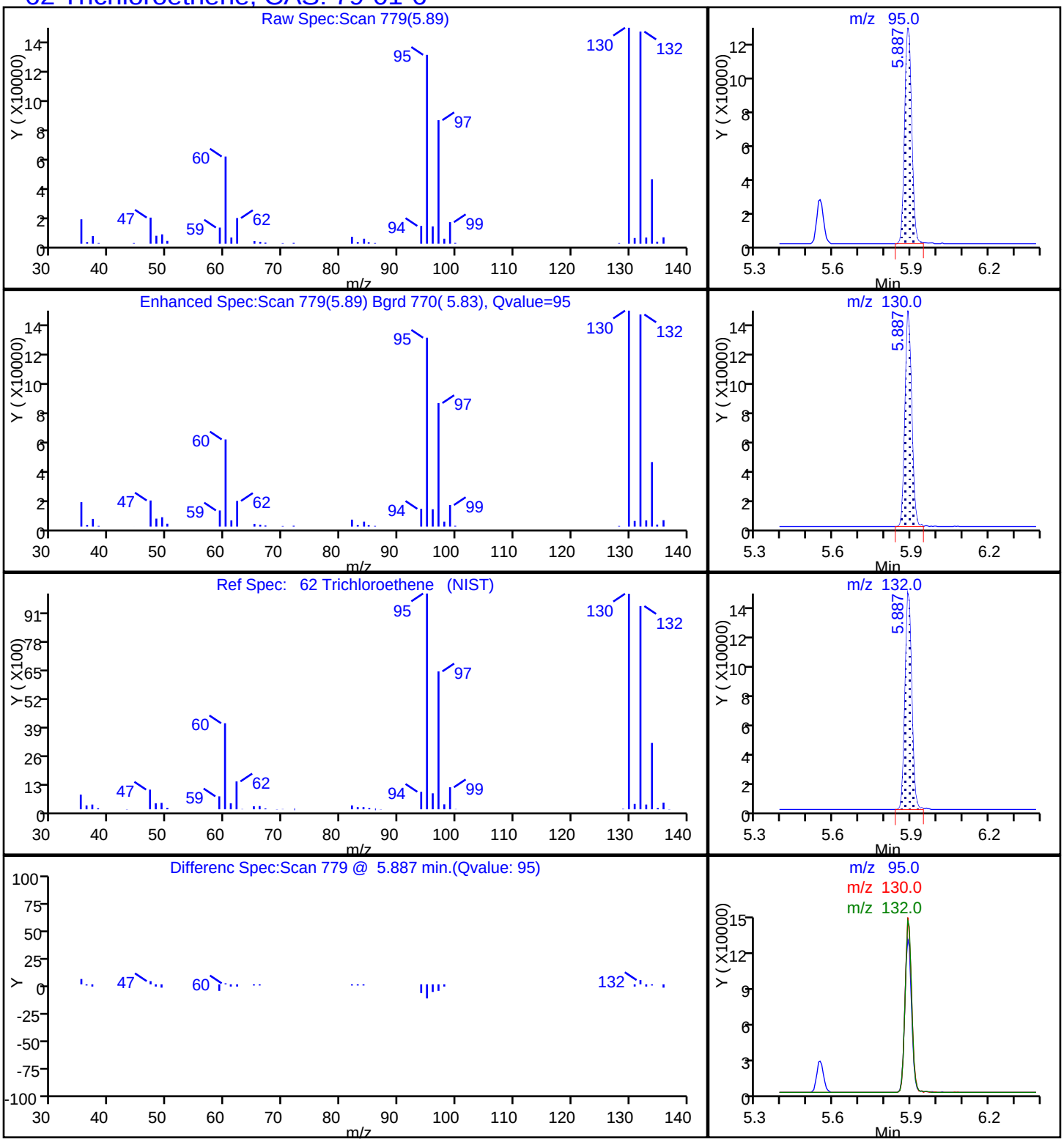
Report Date: 08-Jan-2018 14:14:35 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5963.D

Injection Date:	26-Dec-2017 21:59:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-2	Lab Sample ID:	480-129453-2		
Client ID:	MW-37C-122117				
Operator ID:	AS	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-28C-122117 | Lab Sample ID: 480-129453-3

Matrix: Water | Lab File ID: S5964.D

Analysis Method: 8260C | Date Collected: 12/21/2017 13:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 22:22

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.: 393593 | 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.41
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
123-91-1	1,4-Dioxane	ND		40	9.3
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	1.6		1.0	0.41
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
74-97-5	Chlorobromomethane	ND		1.0	0.87
124-48-1	Chlorodibromomethane	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
110-82-7	Cyclohexane	0.67	J	1.0	0.18
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-28C-122117 | Lab Sample ID: 480-129453-3

Matrix: Water | Lab File ID: S5964.D

Analysis Method: 8260C | Date Collected: 12/21/2017 13:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 22:22

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.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	2.9		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
127-18-4	Tetrachloroethene	20		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	0.93	J	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
100-42-5	Styrene	ND		1.0	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5964.D
Lims ID: 480-129453-B-3
Client ID: MW-28C-122117
Sample Type: Client
Inject. Date: 26-Dec-2017 22:22:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-129453-B-3
Misc. Info.: 480-0068223-010
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2018 14:14:27 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: farrellr Date: 27-Dec-2017 08:51:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	107836	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.545	0.000	84	213490	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.918	0.000	95	216972	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	68	136976	25.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	82188	23.1	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	93	529819	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	94	177590	24.7	
10 Dichlorodifluoromethane	85		1.294				ND	
12 Chloromethane	50		1.483				ND	
13 Vinyl chloride	62		1.562				ND	
14 Bromomethane	94		1.890				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.219				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.730				ND	
22 1,1-Dichloroethene	96		2.748				ND	
23 Acetone	43		2.870				ND	
26 Carbon disulfide	76		2.949				ND	
27 Methyl acetate	43		3.174				ND	
30 Methylene Chloride	84		3.265				ND	
32 Methyl tert-butyl ether	73	3.496	3.490	0.006	89	49150	2.94	
34 trans-1,2-Dichloroethene	96		3.502				ND	
39 1,1-Dichloroethane	63	3.928	3.922	0.006	1	2008	0.2107	
45 cis-1,2-Dichloroethene	96		4.482				ND	
43 2-Butanone (MEK)	43		4.518				ND	
48 Chlorobromomethane	128		4.719				ND	
50 Chloroform	83	4.798	4.798	0.000	1	1073	0.1216	
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56	4.932	4.932	0.000	19	6113	0.6664	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78	5.279	5.273	0.006	57	33082	1.58	
58 1,2-Dichloroethane	62		5.333				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Trichloroethene	95	5.893	5.887	0.006	55	4875	0.9250	
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
66 1,4-Dioxane	88		6.276				ND	
68 Dichlorobromomethane	83		6.410				ND	
72 cis-1,3-Dichloropropene	75		6.830				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92		7.128				ND	
77 trans-1,3-Dichloropropene	75		7.396				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166	7.663	7.664	0.000	98	119727	20.2	
80 2-Hexanone	43		7.816				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91		8.667				ND	
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.215				ND	
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.489				ND	
94 Isopropylbenzene	105		9.598				ND	
97 1,1,2,2-Tetrachloroethane	83		9.981				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.943				ND	
116 1,2-Dichlorobenzene	146		11.289				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.689				ND	
122 1,2,3-Trichlorobenzene	180		13.102				ND	

Reagents:

S_8260_IS_00275	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00244	Amount Added:	1.00	Units: uL	Run Reagent

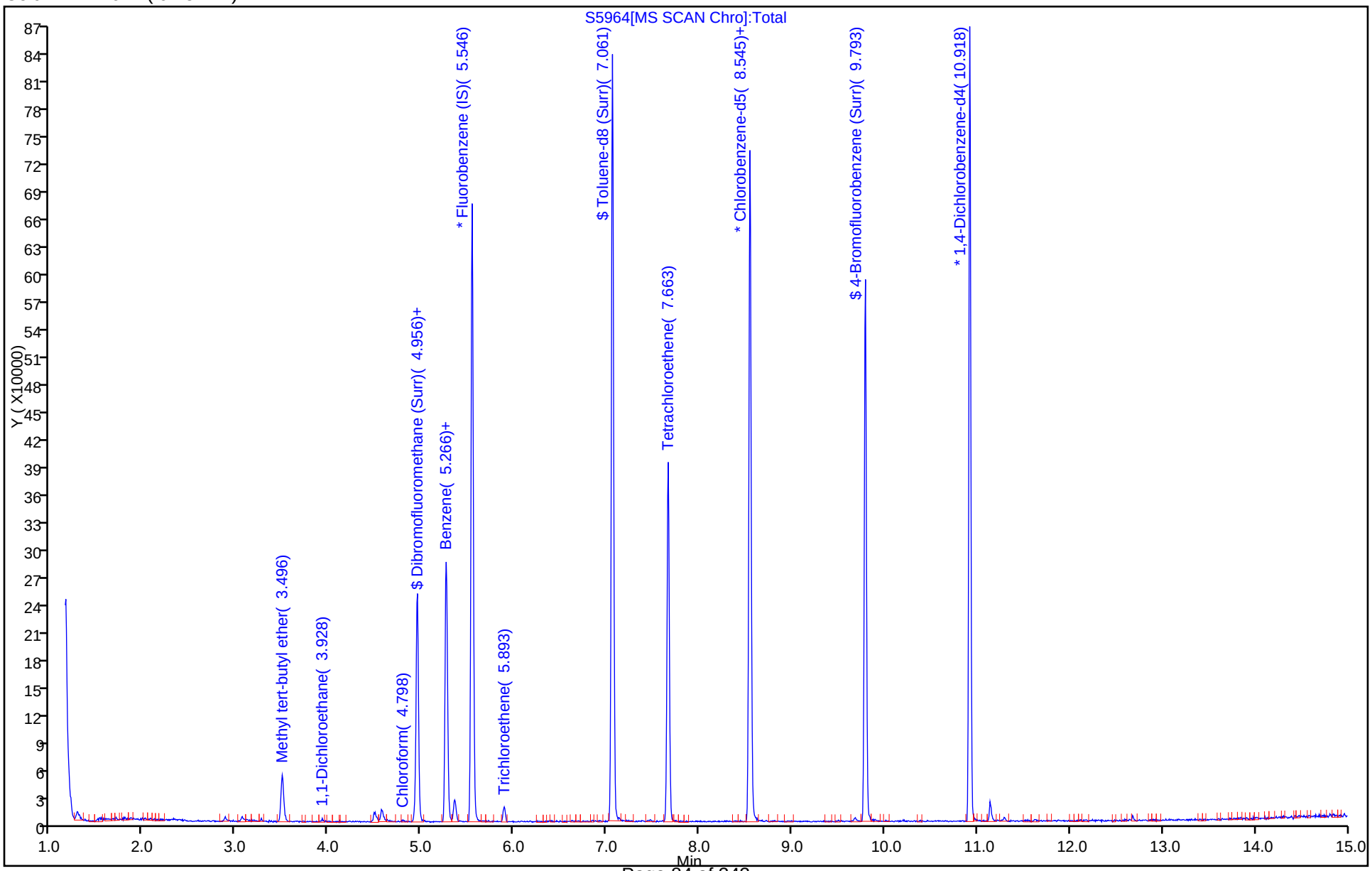
Report Date: 08-Jan-2018 14:14:36 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5964.D

Injection Date:	26-Dec-2017 22:22:30	Instrument ID:	HP5973S	Operator ID:	AS
Lims ID:	480-129453-B-3	Lab Sample ID:	480-129453-3	Worklist Smp#:	10
Client ID:	MW-28C-122117				
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)



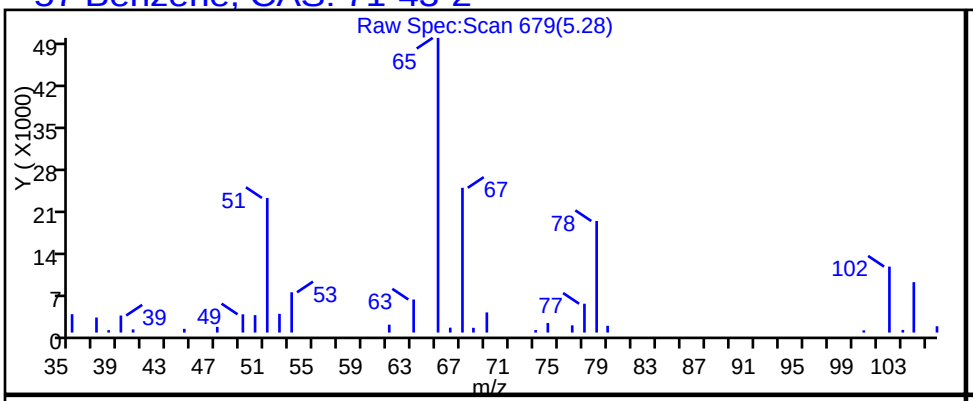
Report Date: 08-Jan-2018 14:14:37 Chrom Revision: 2.2 08-Dec-2017 11:41:26

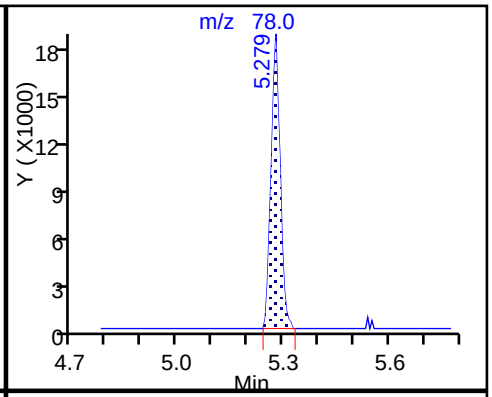
TestAmerica Buffalo

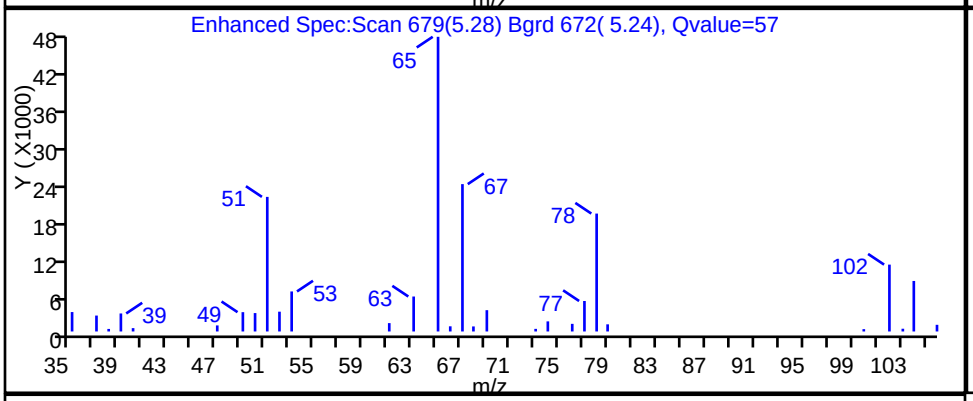
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5964.D

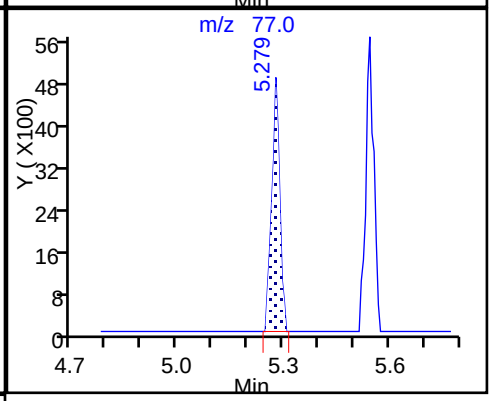
Injection Date:	26-Dec-2017 22:22:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-3	Lab Sample ID:	480-129453-3		
Client ID:	MW-28C-122117				
Operator ID:	AS	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

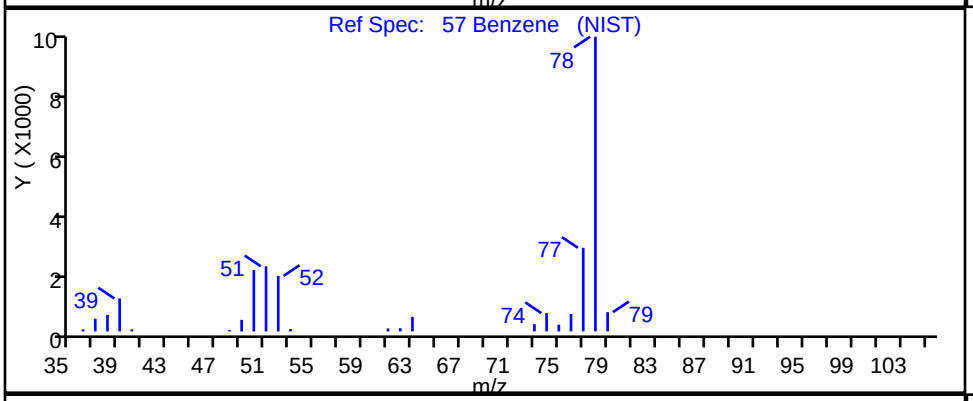
57 Benzene, CAS: 71-43-2

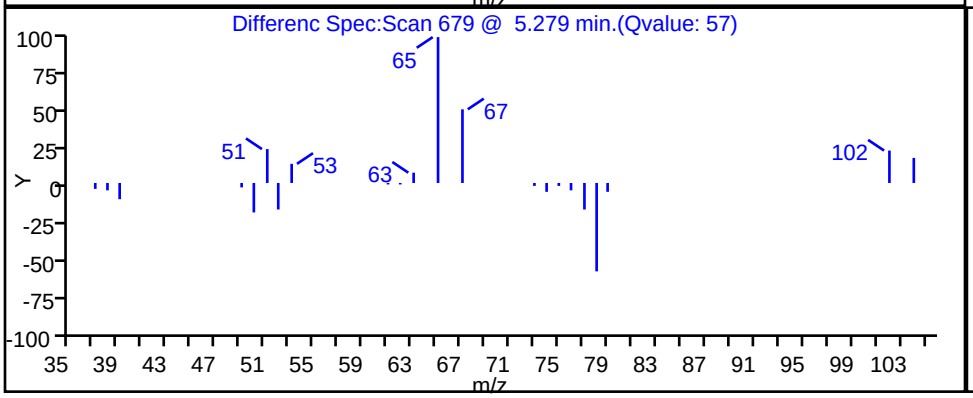


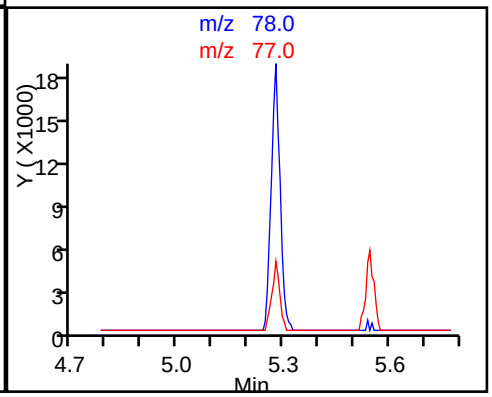












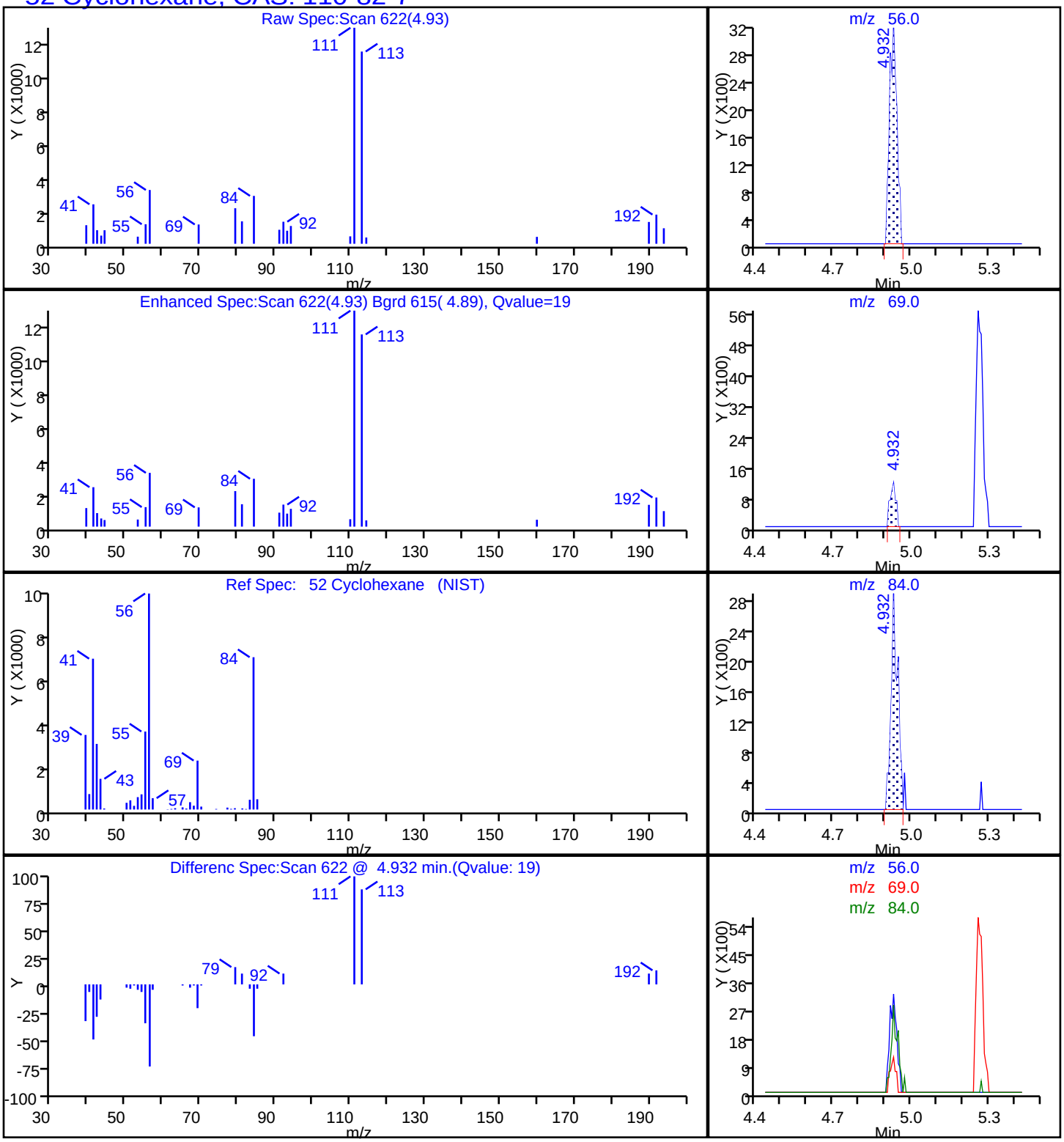
Report Date: 08-Jan-2018 14:14:36 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5964.D

Injection Date:	26-Dec-2017 22:22:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-3	Lab Sample ID:	480-129453-3		
Client ID:	MW-28C-122117				
Operator ID:	AS	ALS Bottle#:	9	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		

52 Cyclohexane, CAS: 110-82-7



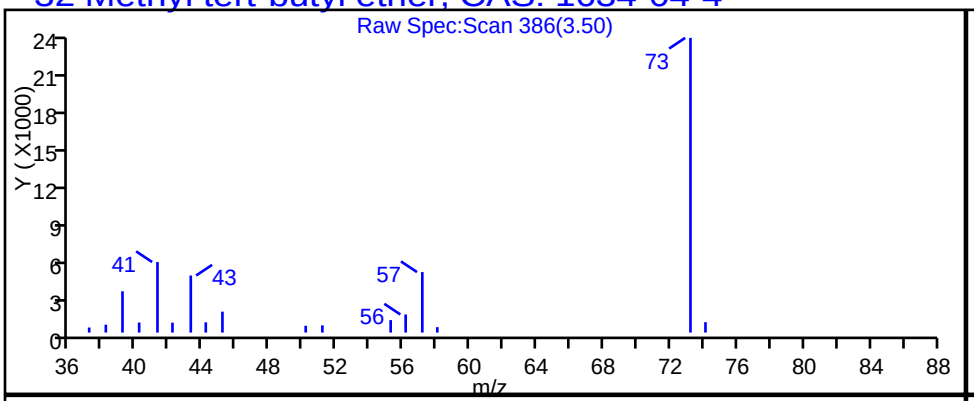
Report Date: 08-Jan-2018 14:14:36 Chrom Revision: 2.2 08-Dec-2017 11:41:26

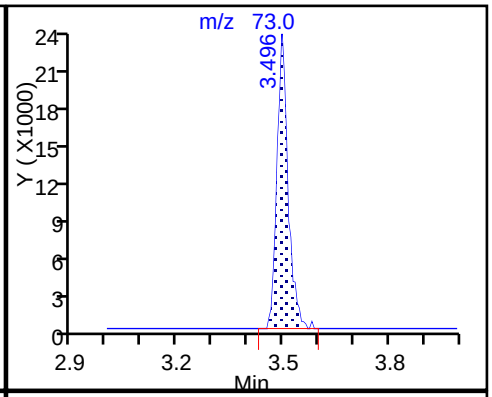
TestAmerica Buffalo

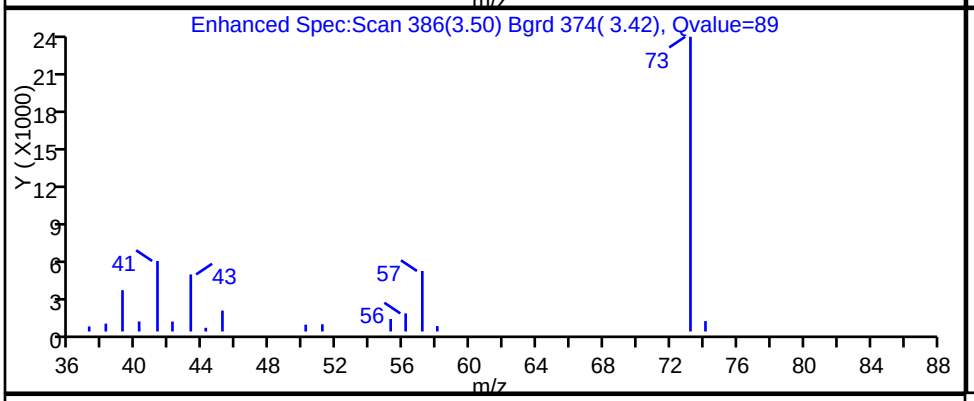
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5964.D

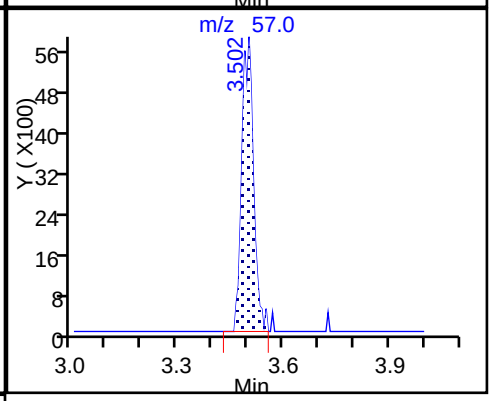
Injection Date:	26-Dec-2017 22:22:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-3	Lab Sample ID:	480-129453-3		
Client ID:	MW-28C-122117				
Operator ID:	AS	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

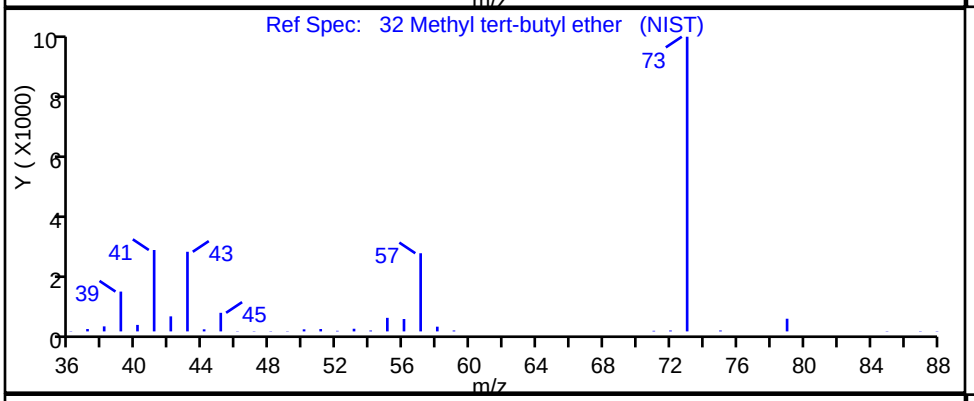
32 Methyl tert-butyl ether, CAS: 1634-04-4

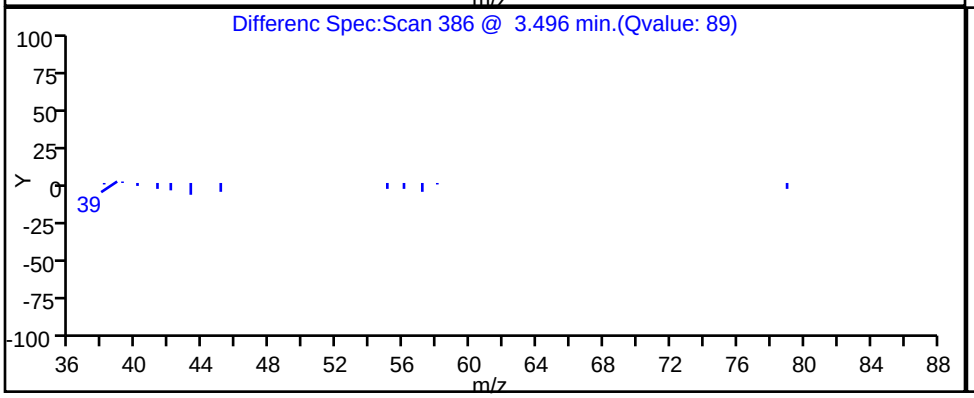


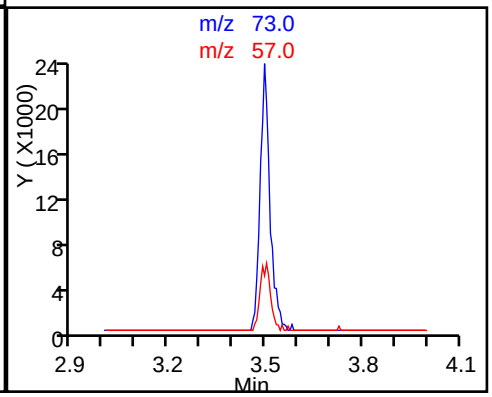












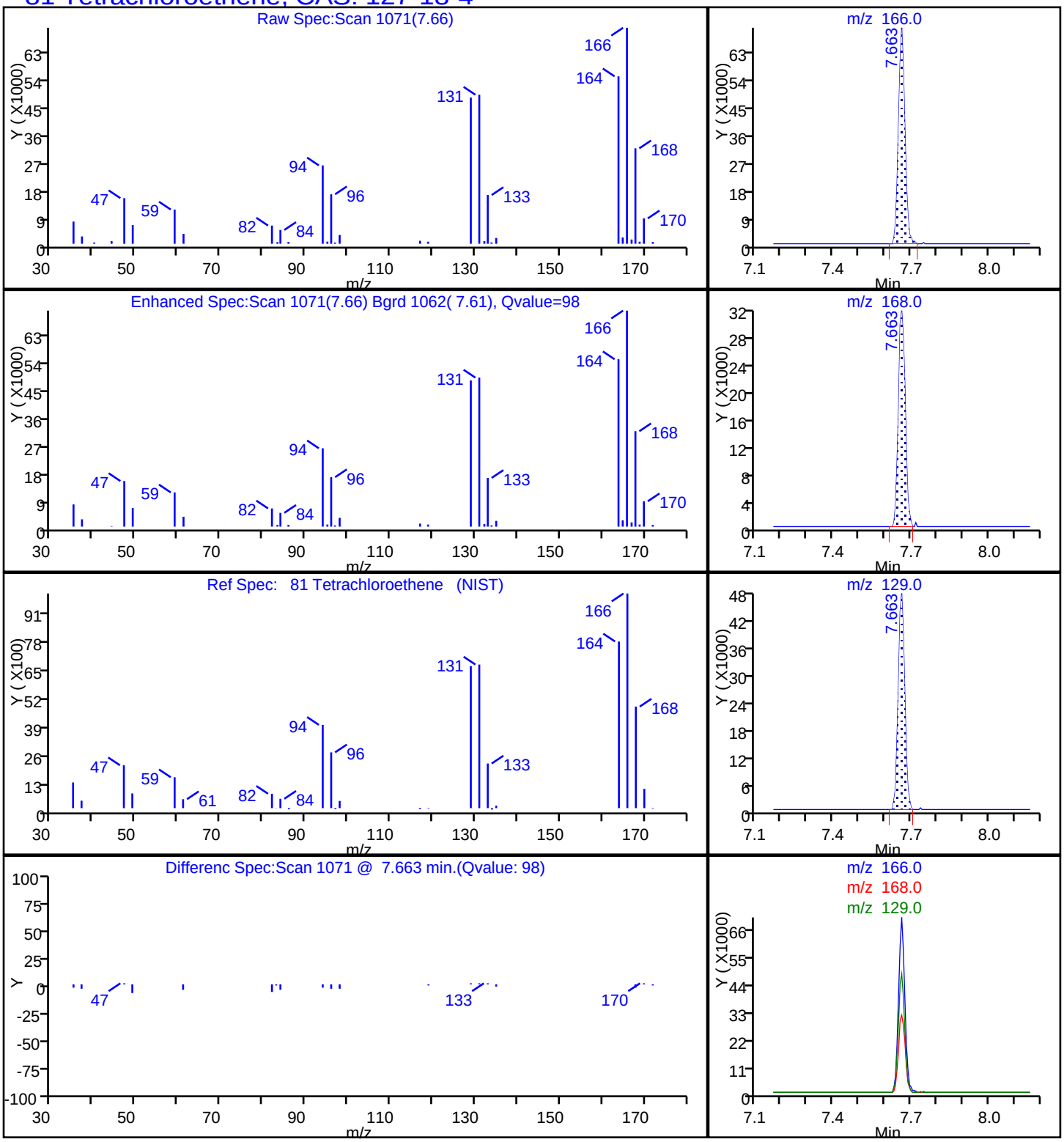
Report Date: 08-Jan-2018 14:14:37 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5964.D

Injection Date:	26-Dec-2017 22:22:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-3	Lab Sample ID:	480-129453-3		
Client ID:	MW-28C-122117				
Operator ID:	AS	ALS Bottle#:	9	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		

81 Tetrachloroethene, CAS: 127-18-4



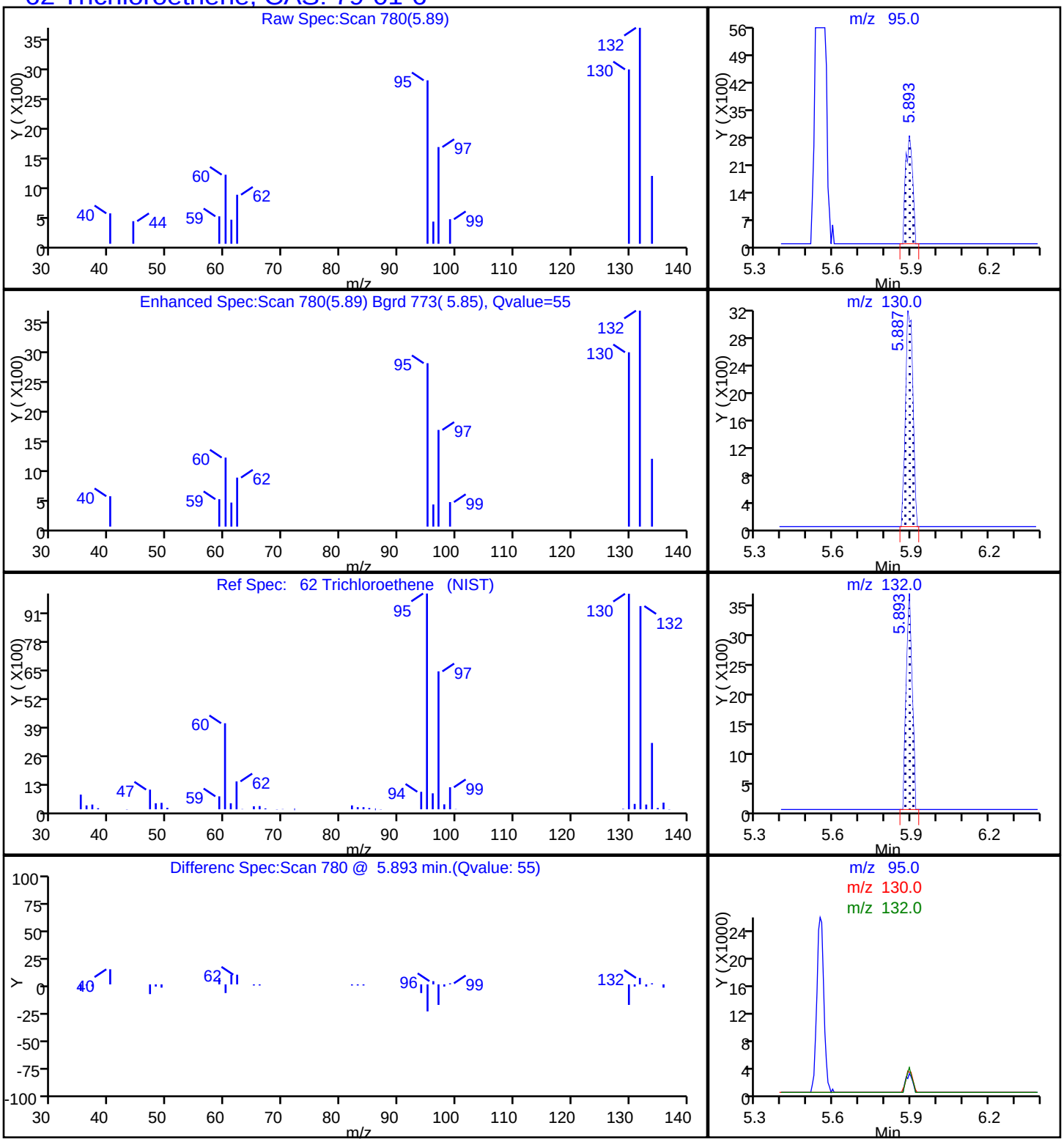
Report Date: 08-Jan-2018 14:14:37 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5964.D

Injection Date:	26-Dec-2017 22:22:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-3	Lab Sample ID:	480-129453-3		
Client ID:	MW-28C-122117				
Operator ID:	AS	ALS Bottle#:	9	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		

62 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: DUP-122117 | Lab Sample ID: 480-129453-4

Matrix: Water | Lab File ID: S5965.D

Analysis Method: 8260C | Date Collected: 12/21/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 22:45

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.: 393593 | 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.41
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
123-91-1	1,4-Dioxane	ND		40	9.3
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	4.2	J	10	3.0
71-43-2	Benzene	1.7		1.0	0.41
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
74-97-5	Chlorobromomethane	ND		1.0	0.87
124-48-1	Chlorodibromomethane	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
110-82-7	Cyclohexane	ND		1.0	0.18
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-71-8	Dichlorodifluoromethane	1.6		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: DUP-122117 | Lab Sample ID: 480-129453-4

Matrix: Water | Lab File ID: S5965.D

Analysis Method: 8260C | Date Collected: 12/21/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 22:45

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.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	3.2		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
127-18-4	Tetrachloroethene	21		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	1.0		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
100-42-5	Styrene	ND		1.0	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
2037-26-5	Toluene-d8 (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5965.D
Lims ID: 480-129453-B-4
Client ID: DUP-122117
Sample Type: Client
Inject. Date: 26-Dec-2017 22:45:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-129453-B-4
Misc. Info.: 480-0068223-011
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2018 14:14:27 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: farrellr Date: 27-Dec-2017 08:52:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	102312	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.545	0.000	84	212636	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.918	0.000	94	199769	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	66	134873	26.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	83568	24.8	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	93	524473	24.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	93	170003	23.7	
10 Dichlorodifluoromethane	85	1.300	1.294	0.006	38	3860	1.63	
12 Chloromethane	50		1.483				ND	
13 Vinyl chloride	62		1.562				ND	
14 Bromomethane	94		1.890				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.219				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.730				ND	
22 1,1-Dichloroethene	96		2.748				ND	
23 Acetone	43	2.888	2.870	0.018	60	8845	4.24	
26 Carbon disulfide	76		2.949				ND	
27 Methyl acetate	43		3.174				ND	
30 Methylene Chloride	84		3.265				ND	
32 Methyl tert-butyl ether	73	3.496	3.490	0.006	90	51542	3.25	
34 trans-1,2-Dichloroethene	96		3.502				ND	
39 1,1-Dichloroethane	63		3.922				ND	
45 cis-1,2-Dichloroethene	96		4.482				ND	
43 2-Butanone (MEK)	43		4.518				ND	
48 Chlorobromomethane	128		4.719				ND	
50 Chloroform	83		4.798				ND	
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56		4.932				ND	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78	5.279	5.273	0.006	55	33004	1.66	
58 1,2-Dichloroethane	62		5.333				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Trichloroethene	95	5.893	5.887	0.006	54	5140	1.03	
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
66 1,4-Dioxane	88		6.276				ND	
68 Dichlorobromomethane	83		6.410				ND	
72 cis-1,3-Dichloropropene	75		6.830				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92		7.128				ND	
77 trans-1,3-Dichloropropene	75		7.396				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166	7.663	7.664	0.000	98	121648	20.6	
80 2-Hexanone	43		7.816				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91		8.667				ND	
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.215				ND	
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.489				ND	
94 Isopropylbenzene	105		9.598				ND	
97 1,1,2,2-Tetrachloroethane	83		9.981				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.943				ND	
116 1,2-Dichlorobenzene	146		11.289				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.689				ND	
122 1,2,3-Trichlorobenzene	180		13.102				ND	

Reagents:

S_8260_IS_00275	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00244	Amount Added:	1.00	Units: uL	Run Reagent

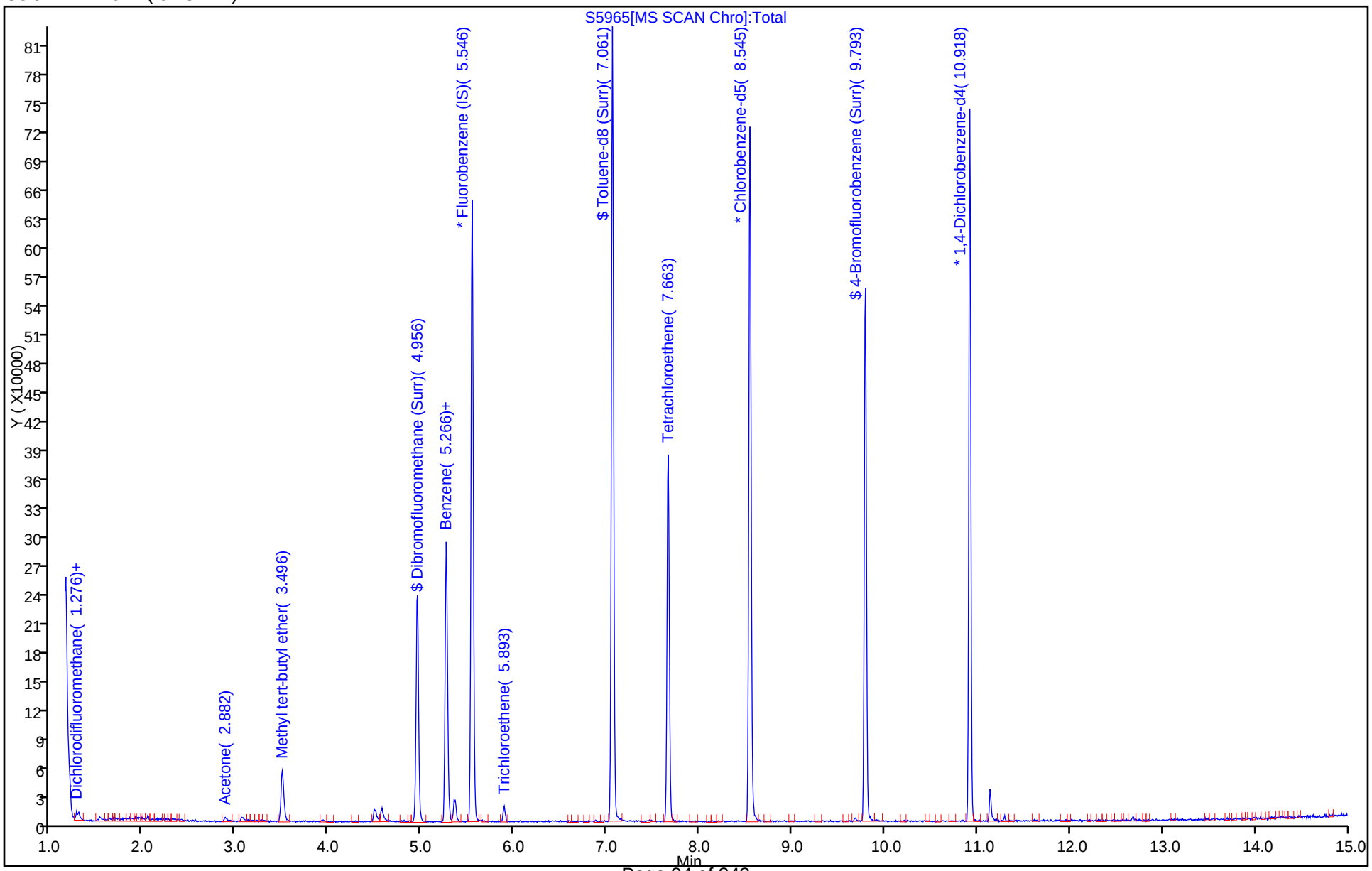
Report Date: 08-Jan-2018 14:14:38 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5965.D

Injection Date:	26-Dec-2017 22:45:30	Instrument ID:	HP5973S	Operator ID:	AS
Lims ID:	480-129453-B-4	Lab Sample ID:	480-129453-4	Worklist Smp#:	11
Client ID:	DUP-122117				
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)



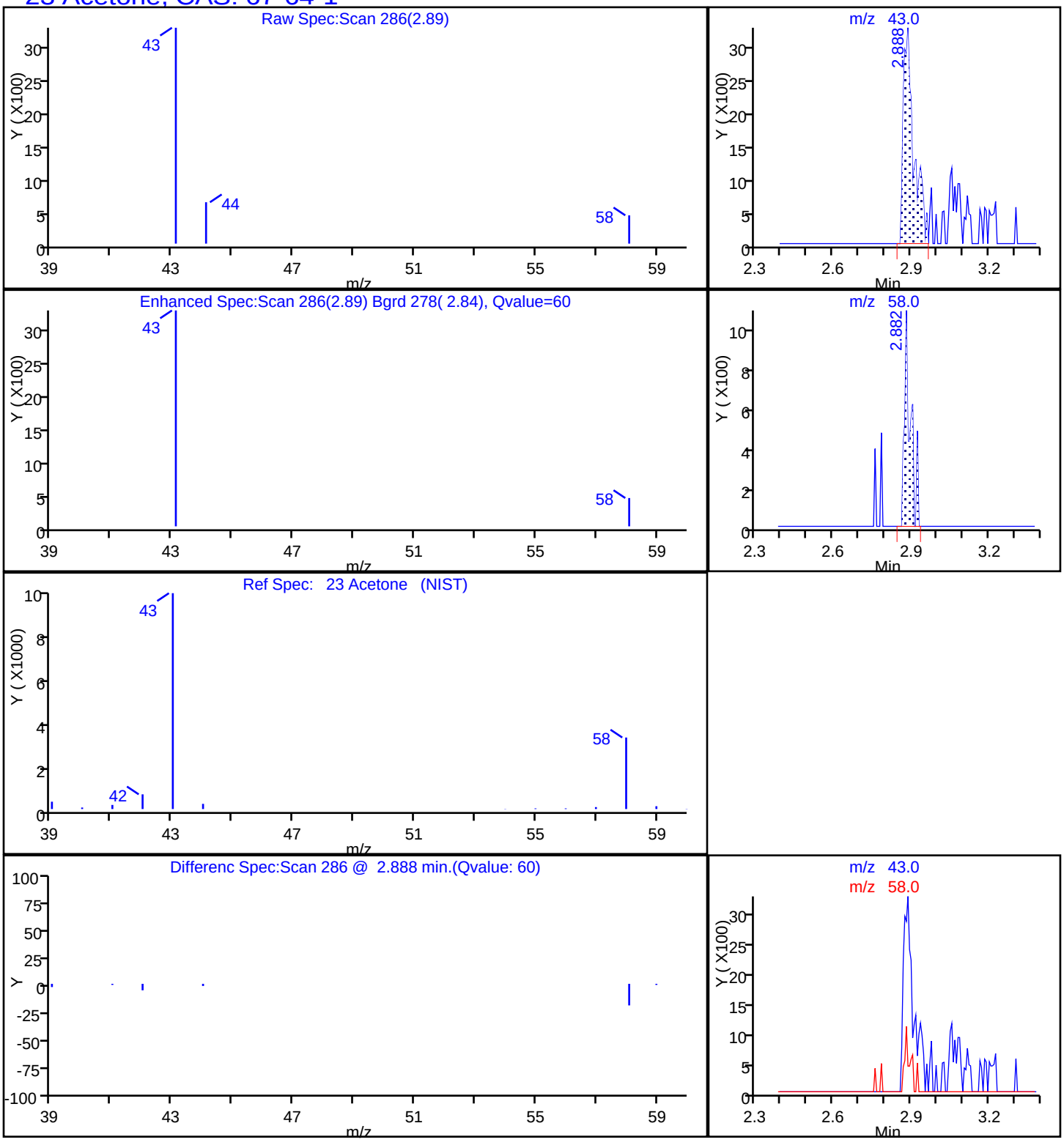
Report Date: 08-Jan-2018 14:14:38 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5965.D

Injection Date:	26-Dec-2017 22:45:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-4	Lab Sample ID:	480-129453-4		
Client ID:	DUP-122117				
Operator ID:	AS	ALS Bottle#:	10	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		

23 Acetone, CAS: 67-64-1



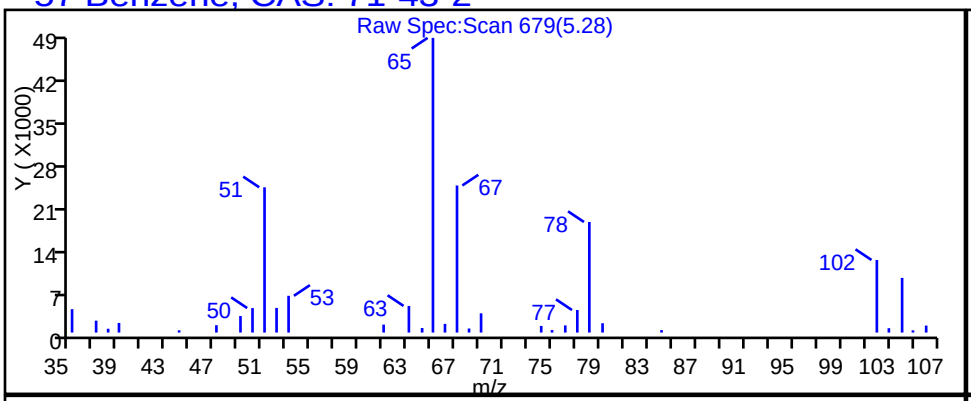
Report Date: 08-Jan-2018 14:14:38 Chrom Revision: 2.2 08-Dec-2017 11:41:26

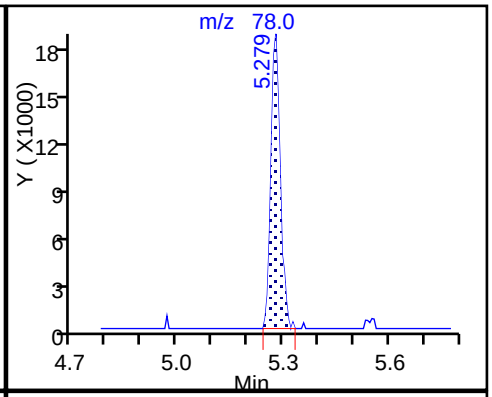
TestAmerica Buffalo

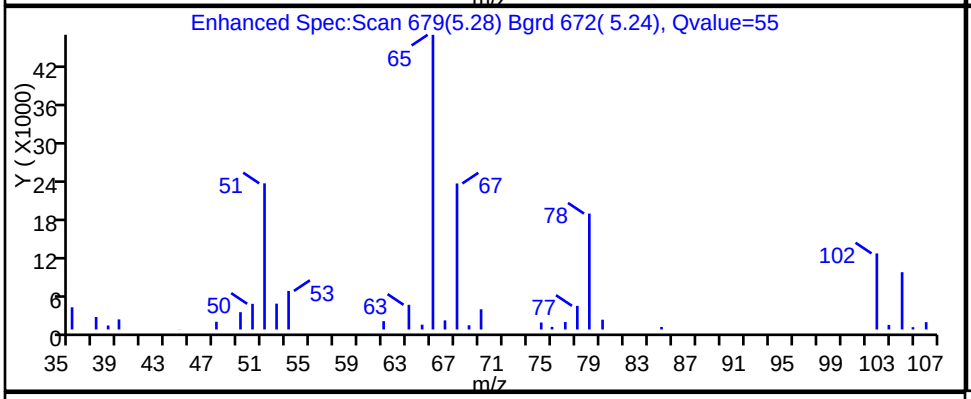
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5965.D

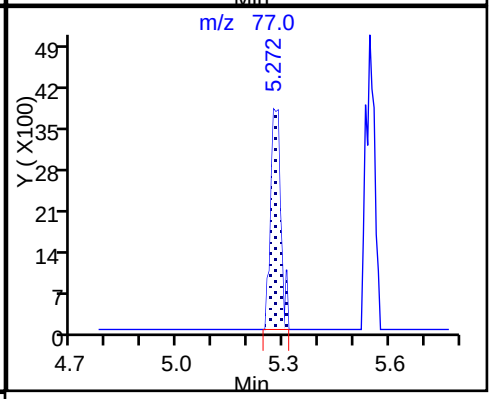
Injection Date:	26-Dec-2017 22:45:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-4	Lab Sample ID:	480-129453-4		
Client ID:	DUP-122117				
Operator ID:	AS	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

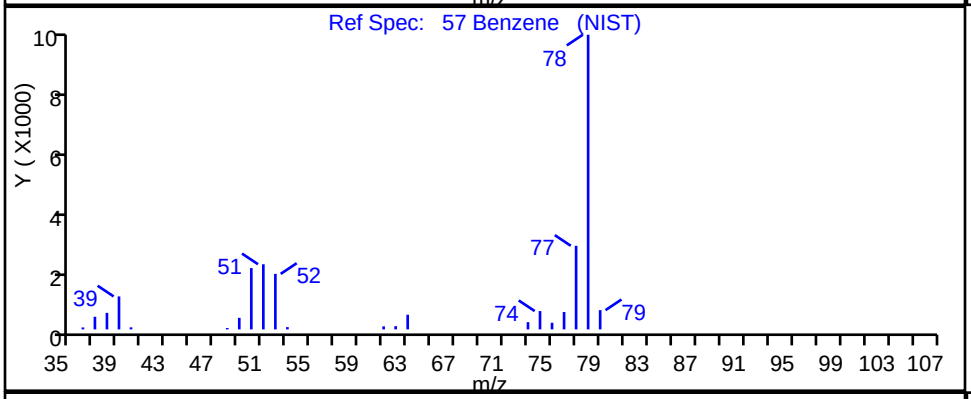
57 Benzene, CAS: 71-43-2

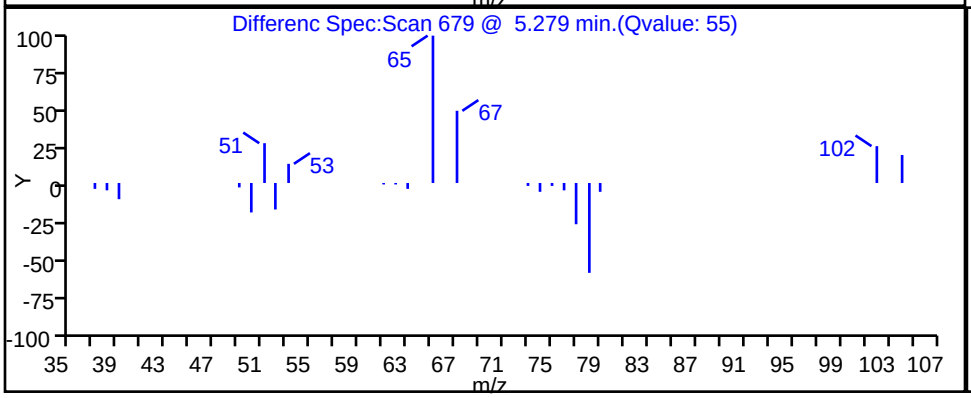


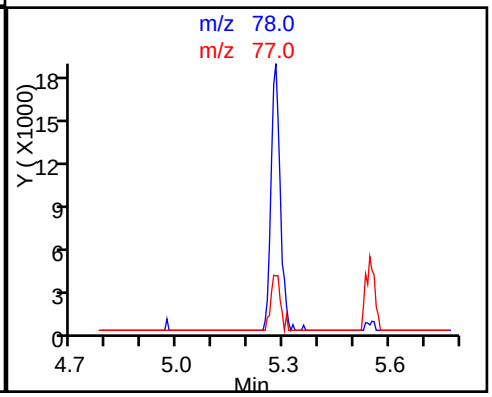












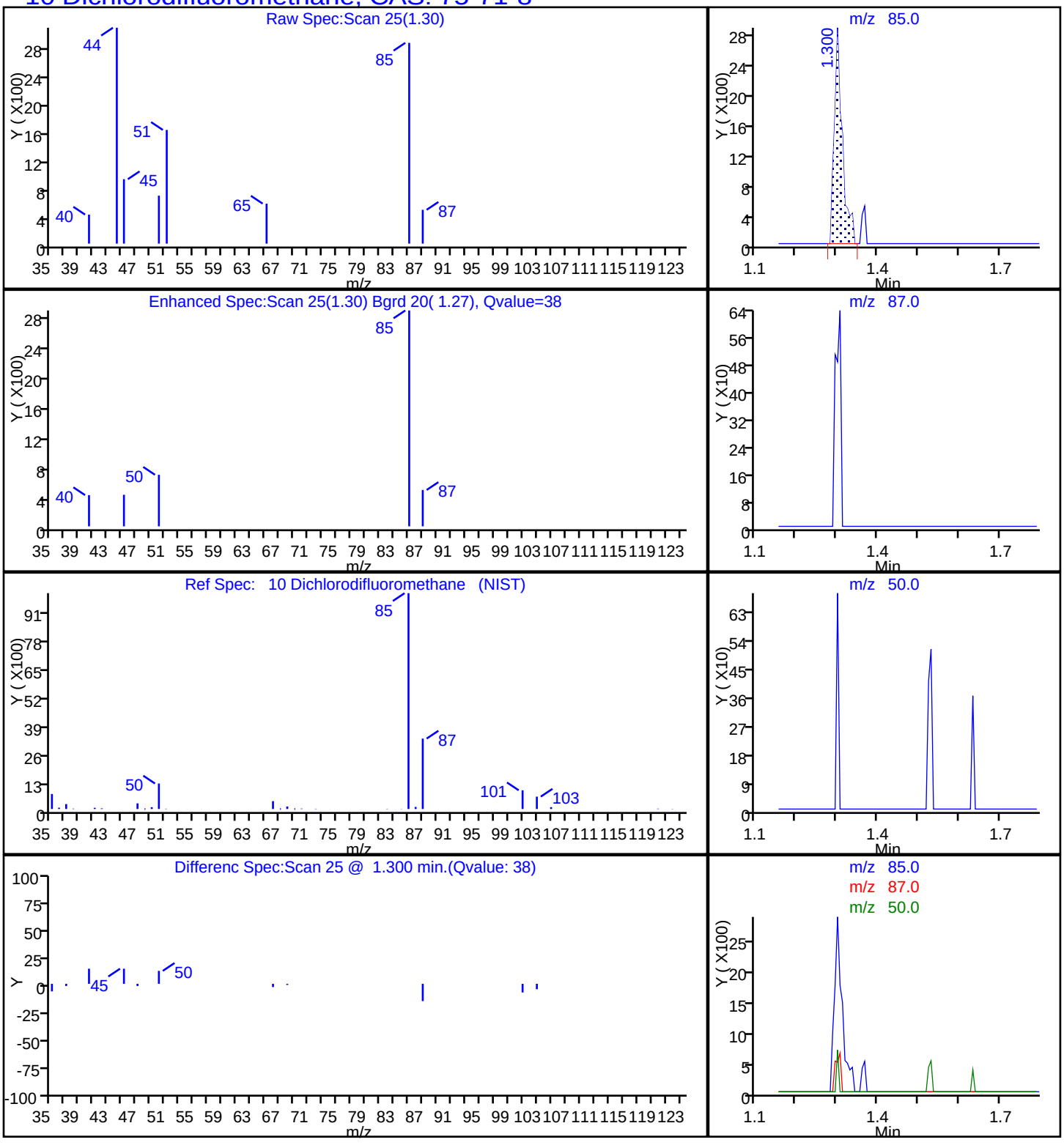
Report Date: 08-Jan-2018 14:14:38 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5965.D

Injection Date:	26-Dec-2017 22:45:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-4	Lab Sample ID:	480-129453-4		
Client ID:	DUP-122117				
Operator ID:	AS	ALS Bottle#:	10	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		

10 Dichlorodifluoromethane, CAS: 75-71-8



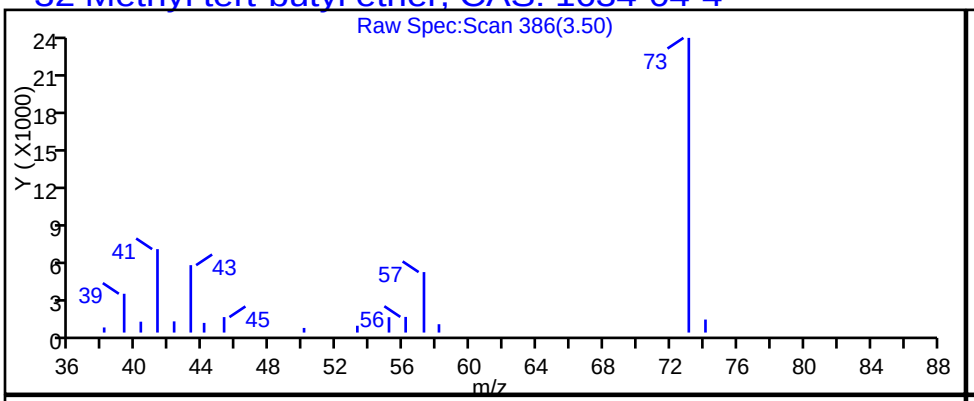
Report Date: 08-Jan-2018 14:14:38 Chrom Revision: 2.2 08-Dec-2017 11:41:26

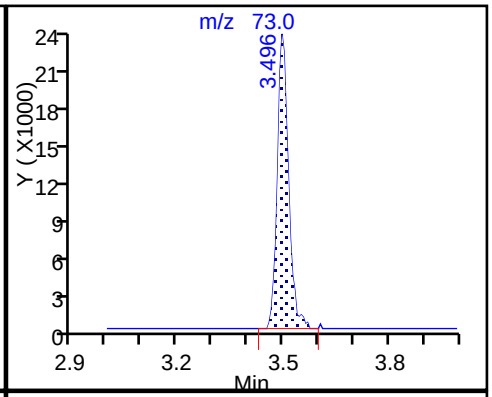
TestAmerica Buffalo

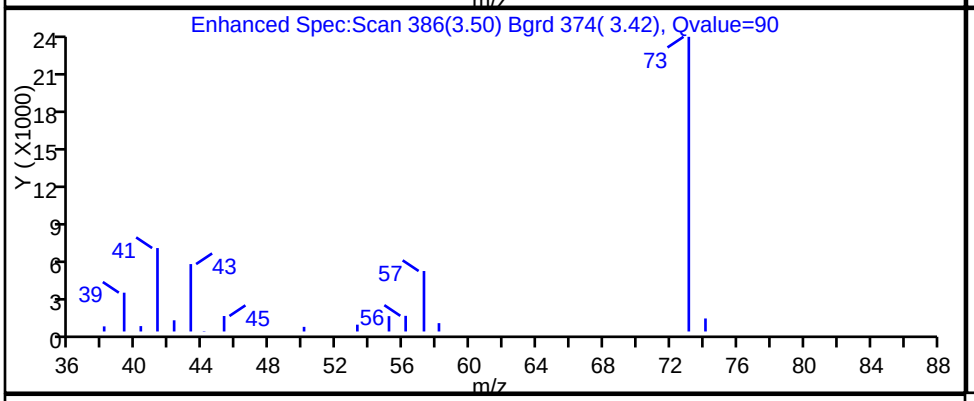
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5965.D

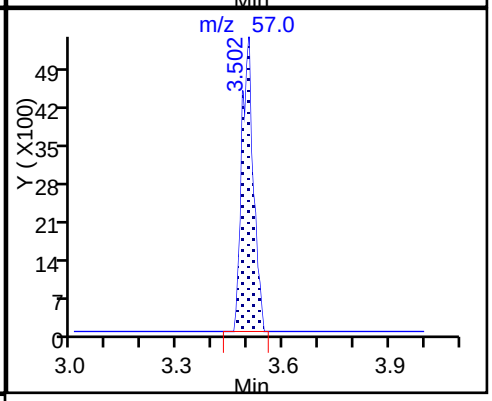
Injection Date:	26-Dec-2017 22:45:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-4	Lab Sample ID:	480-129453-4		
Client ID:	DUP-122117				
Operator ID:	AS	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

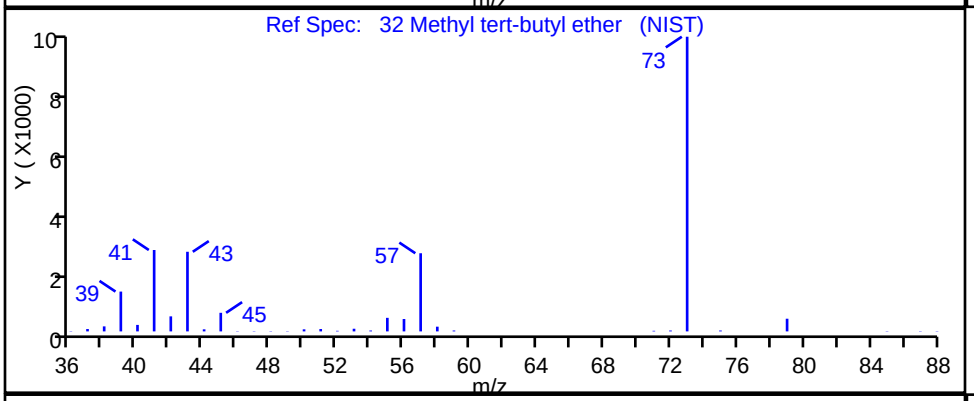
32 Methyl tert-butyl ether, CAS: 1634-04-4

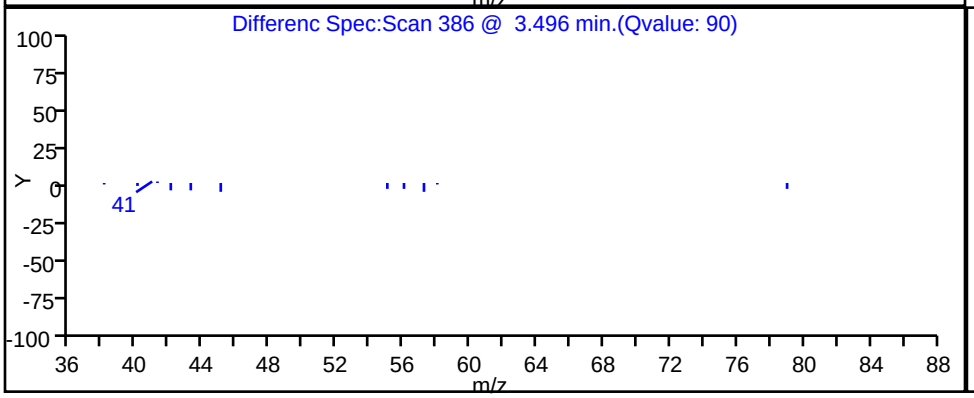


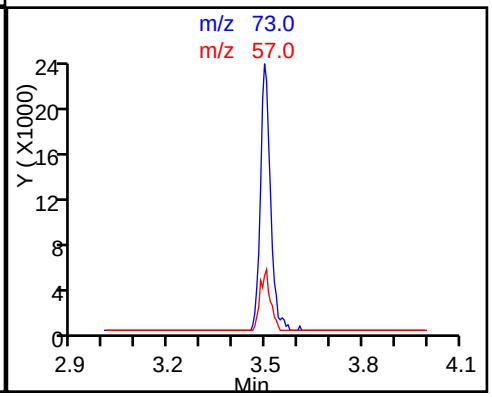












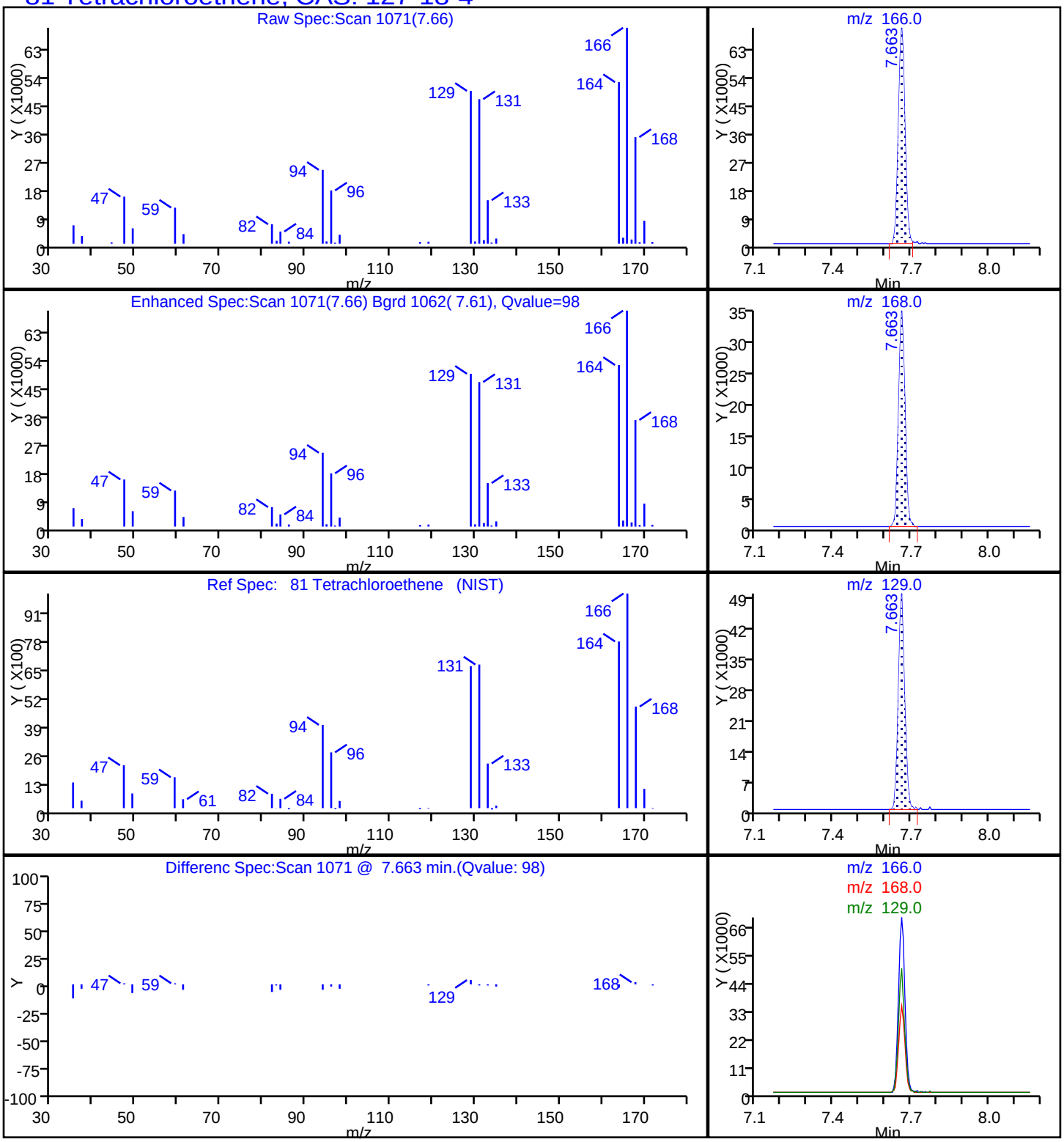
Report Date: 08-Jan-2018 14:14:38 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5965.D

Injection Date:	26-Dec-2017 22:45:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-4	Lab Sample ID:	480-129453-4		
Client ID:	DUP-122117				
Operator ID:	AS	ALS Bottle#:	10	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		

81 Tetrachloroethene, CAS: 127-18-4



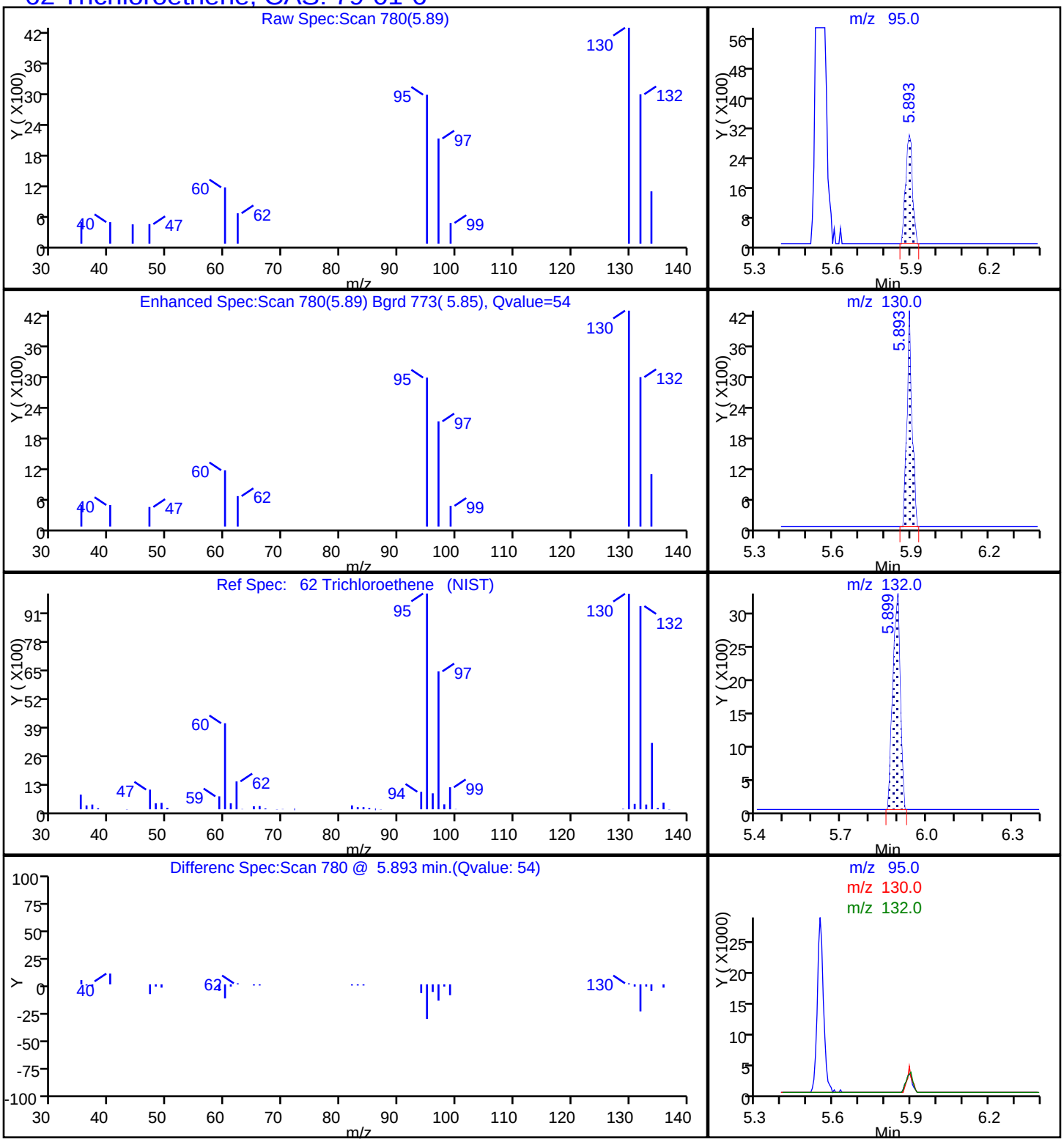
Report Date: 08-Jan-2018 14:14:38 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5965.D

Injection Date:	26-Dec-2017 22:45:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-4	Lab Sample ID:	480-129453-4		
Client ID:	DUP-122117				
Operator ID:	AS	ALS Bottle#:	10	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		

62 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-28D-122117 | Lab Sample ID: 480-129453-5

Matrix: Water | Lab File ID: S5966.D

Analysis Method: 8260C | Date Collected: 12/21/2017 13:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 23:08

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.: 393593 | 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.45	J	1.0	0.23
75-34-3	1,1-Dichloroethane	1.7		1.0	0.38
75-35-4	1,1-Dichloroethene	0.92	J	1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.41
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
123-91-1	1,4-Dioxane	ND		40	9.3
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	12		10	3.0
71-43-2	Benzene	0.46	J	1.0	0.41
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
74-97-5	Chlorobromomethane	ND		1.0	0.87
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.63	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
110-82-7	Cyclohexane	0.40	J	1.0	0.18
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-28D-122117 | Lab Sample ID: 480-129453-5

Matrix: Water | Lab File ID: S5966.D

Analysis Method: 8260C | Date Collected: 12/21/2017 13:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 23:08

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.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
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
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
127-18-4	Tetrachloroethene	40		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
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
100-42-5	Styrene	ND		1.0	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5966.D
Lims ID: 480-129453-B-5
Client ID: MW-28D-122117
Sample Type: Client
Inject. Date: 26-Dec-2017 23:08:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-129453-B-5
Misc. Info.: 480-0068223-012
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2018 14:14:27 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: farrellr Date: 27-Dec-2017 08:53:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	103396	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.545	0.000	85	205091	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.918	0.000	93	218529	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	67	133373	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	79757	23.4	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	93	524937	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	91	170524	24.7	
10 Dichlorodifluoromethane	85		1.294				ND	
12 Chloromethane	50		1.483				ND	
13 Vinyl chloride	62		1.562				ND	
14 Bromomethane	94		1.890				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.219				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.730				ND	
22 1,1-Dichloroethene	96	2.748	2.748	0.000	49	3003	0.9194	
23 Acetone	43	2.876	2.870	0.006	83	26130	12.4	
26 Carbon disulfide	76		2.949				ND	
27 Methyl acetate	43		3.174				ND	
30 Methylene Chloride	84		3.265				ND	
32 Methyl tert-butyl ether	73		3.490				ND	
34 trans-1,2-Dichloroethene	96		3.502				ND	
39 1,1-Dichloroethane	63	3.934	3.922	0.012	34	15961	1.75	
45 cis-1,2-Dichloroethene	96		4.482				ND	
43 2-Butanone (MEK)	43		4.518				ND	
48 Chlorobromomethane	128		4.719				ND	
50 Chloroform	83	4.798	4.798	0.000	41	5358	0.6332	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	5	2037	0.2889	
52 Cyclohexane	56	4.932	4.932	0.000	12	3531	0.4014	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78	5.272	5.273	-0.001	16	9272	0.4615	
58 1,2-Dichloroethane	62		5.333				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Trichloroethene	95		5.887				ND	
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
66 1,4-Dioxane	88		6.276				ND	
68 Dichlorobromomethane	83		6.410				ND	
72 cis-1,3-Dichloropropene	75		6.830				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92		7.128				ND	
77 trans-1,3-Dichloropropene	75		7.396				ND	
79 1,1,2-Trichloroethane	83	7.578	7.591	-0.012	0	1640	0.4505	
81 Tetrachloroethene	166	7.663	7.664	0.000	98	229217	40.3	
80 2-Hexanone	43		7.816				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91		8.667				ND	
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.215				ND	
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.489				ND	
94 Isopropylbenzene	105		9.598				ND	
97 1,1,2,2-Tetrachloroethane	83		9.981				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.943				ND	
116 1,2-Dichlorobenzene	146		11.289				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.689				ND	
122 1,2,3-Trichlorobenzene	180		13.102				ND	

Reagents:

S_8260_IS_00275	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00244	Amount Added:	1.00	Units: uL	Run Reagent

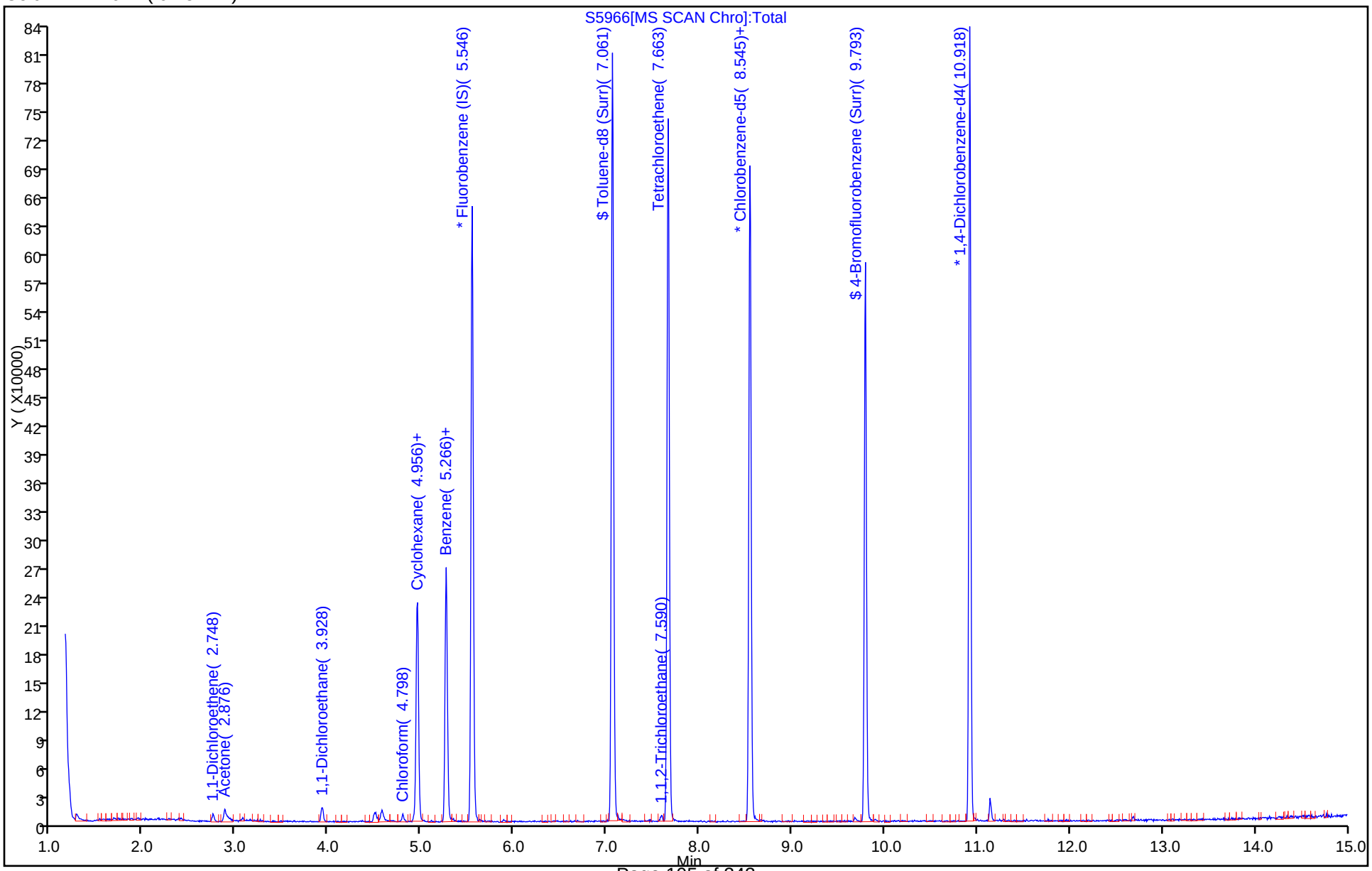
Report Date: 08-Jan-2018 14:14:39 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5966.D

Injection Date:	26-Dec-2017 23:08:30	Instrument ID:	HP5973S	Operator ID:	AS
Lims ID:	480-129453-B-5	Lab Sample ID:	480-129453-5	Worklist Smp#:	12
Client ID:	MW-28D-122117				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



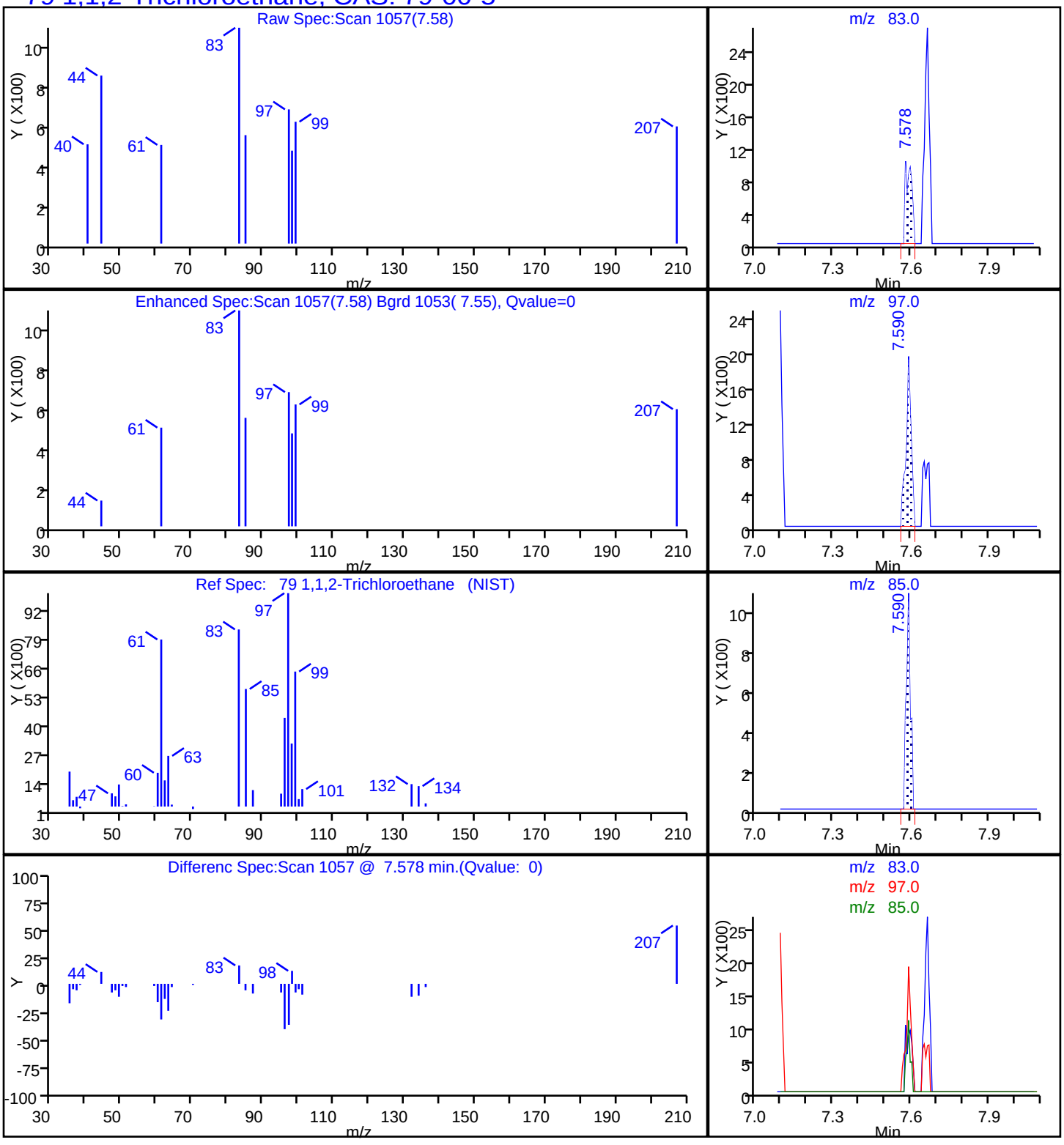
Report Date: 08-Jan-2018 14:14:39 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5966.D

Injection Date:	26-Dec-2017 23:08:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-5	Lab Sample ID:	480-129453-5		
Client ID:	MW-28D-122117				
Operator ID:	AS	ALS Bottle#:	11	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		

79 1,1,2-Trichloroethane, CAS: 79-00-5



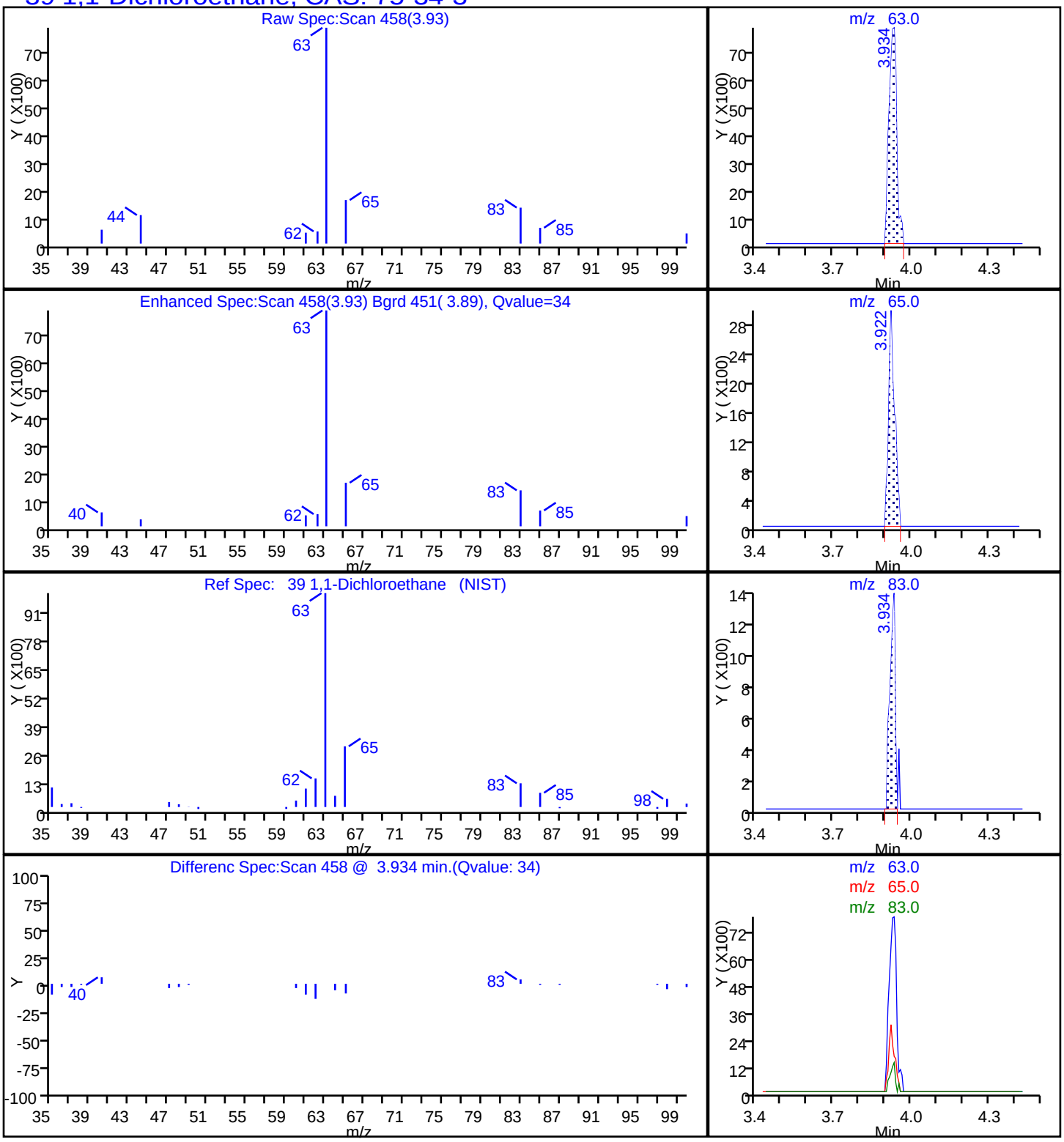
Report Date: 08-Jan-2018 14:14:39 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5966.D

Injection Date:	26-Dec-2017 23:08:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-5	Lab Sample ID:	480-129453-5		
Client ID:	MW-28D-122117				
Operator ID:	AS	ALS Bottle#:	11	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		

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



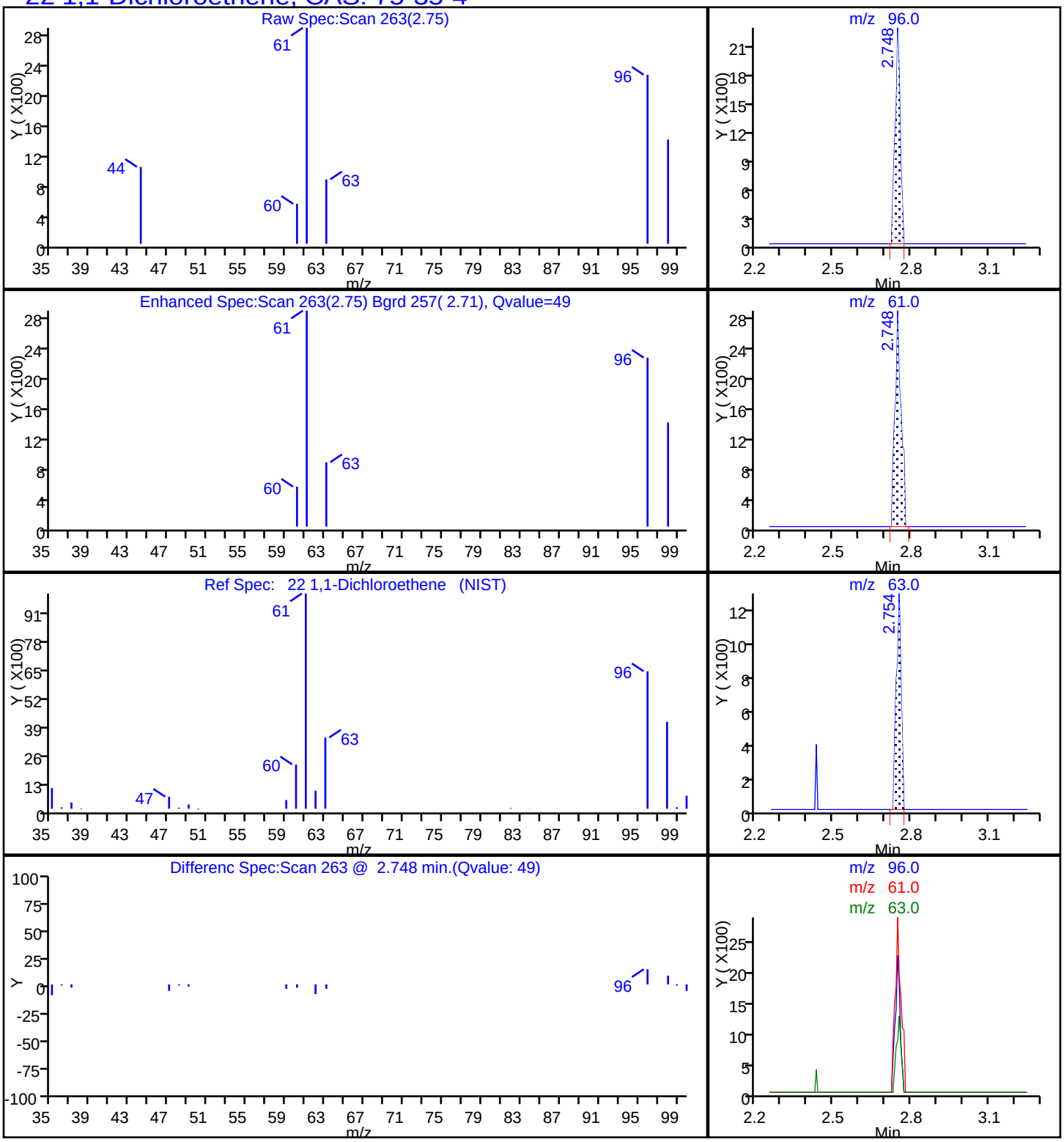
Report Date: 08-Jan-2018 14:14:39 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5966.D

Injection Date:	26-Dec-2017 23:08:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-5	Lab Sample ID:	480-129453-5		
Client ID:	MW-28D-122117				
Operator ID:	AS	ALS Bottle#:	11	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		

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



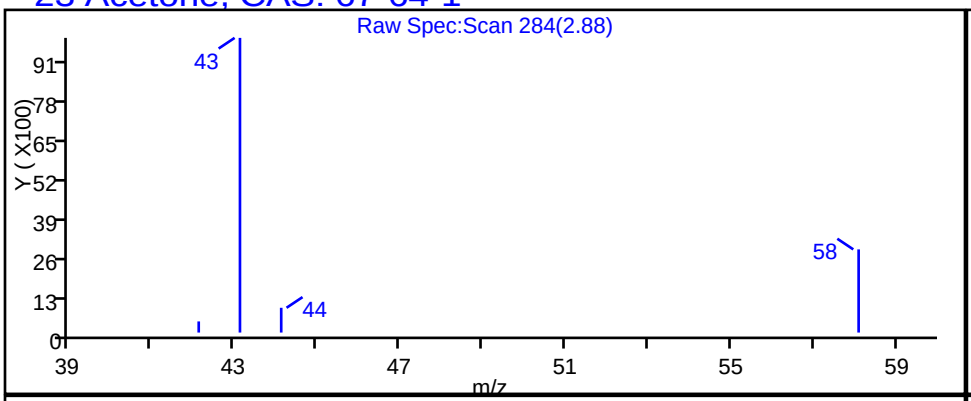
Report Date: 08-Jan-2018 14:14:39 Chrom Revision: 2.2 08-Dec-2017 11:41:26

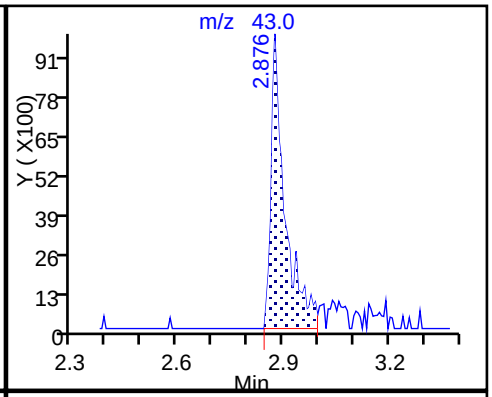
TestAmerica Buffalo

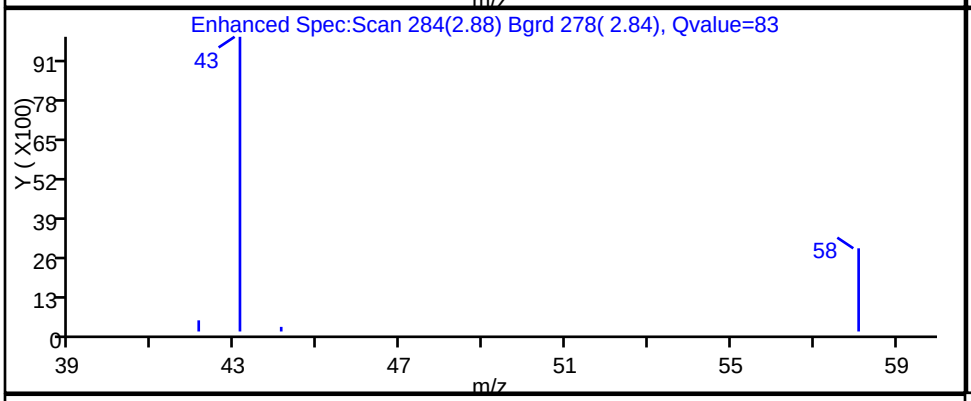
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5966.D

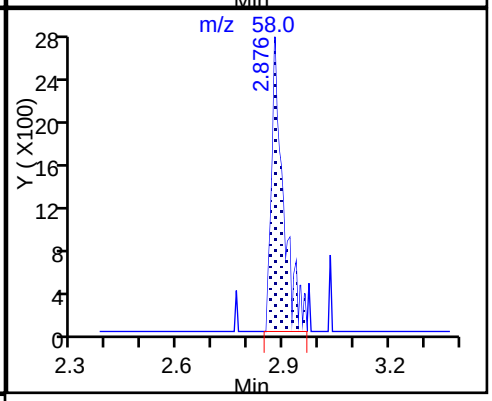
Injection Date:	26-Dec-2017 23:08:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-5	Lab Sample ID:	480-129453-5		
Client ID:	MW-28D-122117				
Operator ID:	AS	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

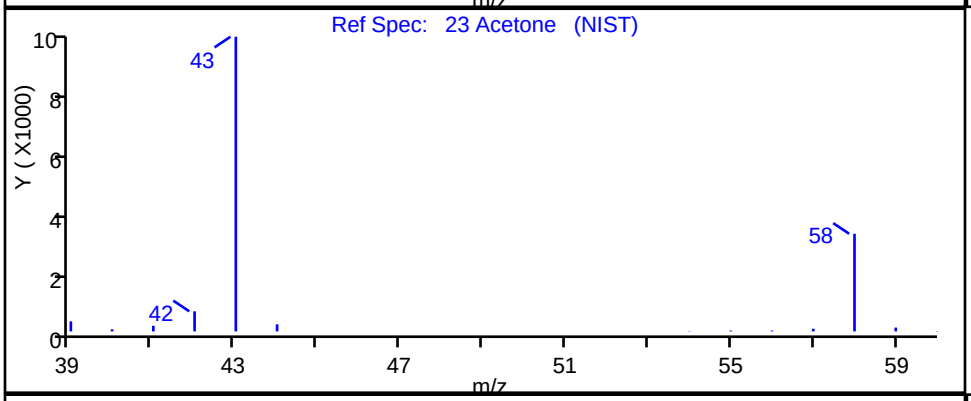
23 Acetone, CAS: 67-64-1

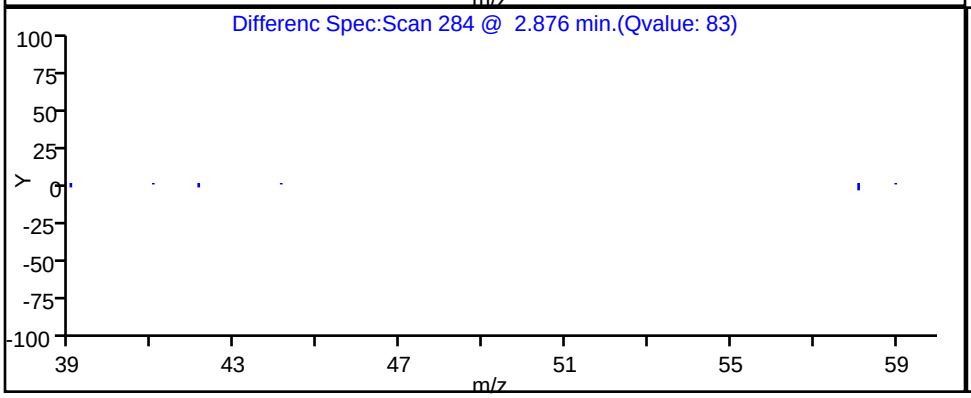


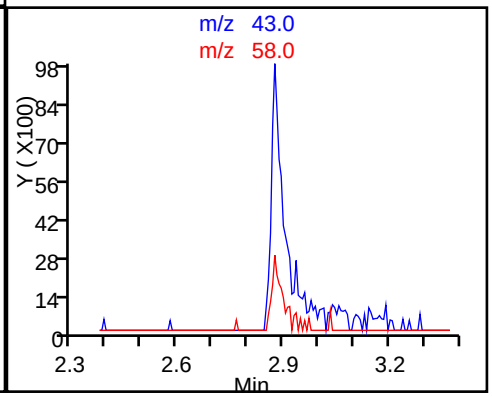












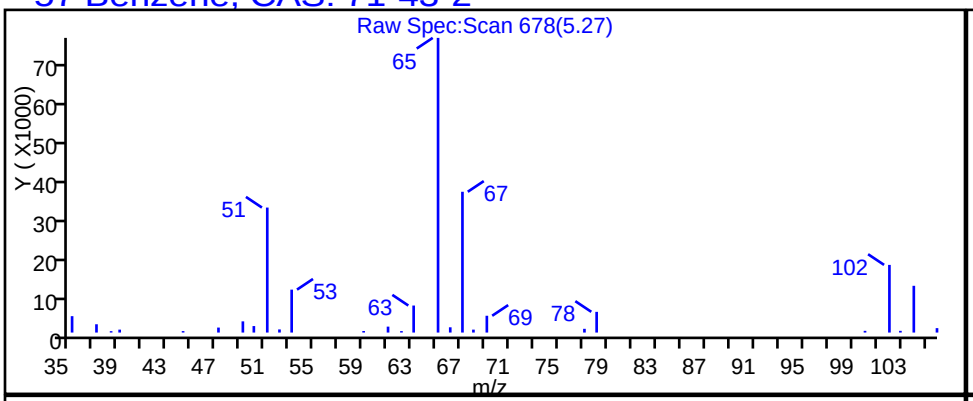
Report Date: 08-Jan-2018 14:14:39 Chrom Revision: 2.2 08-Dec-2017 11:41:26

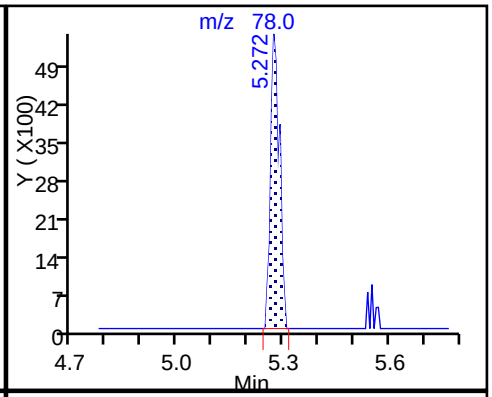
TestAmerica Buffalo

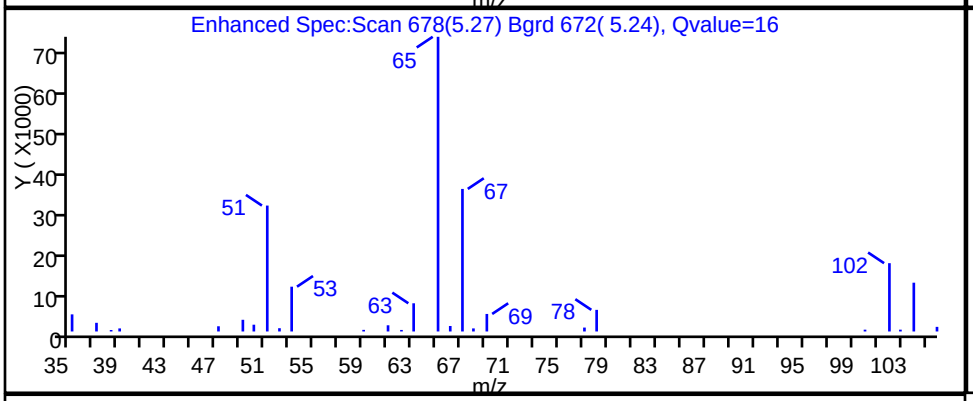
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5966.D

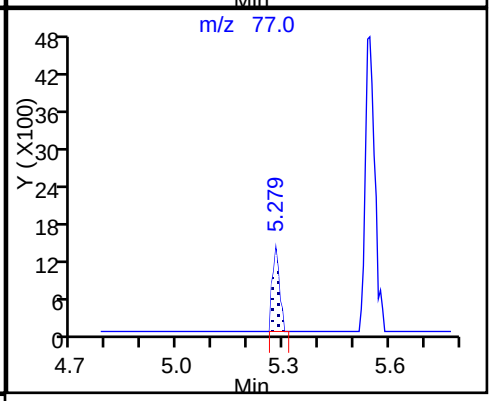
Injection Date:	26-Dec-2017 23:08:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-5	Lab Sample ID:	480-129453-5		
Client ID:	MW-28D-122117				
Operator ID:	AS	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

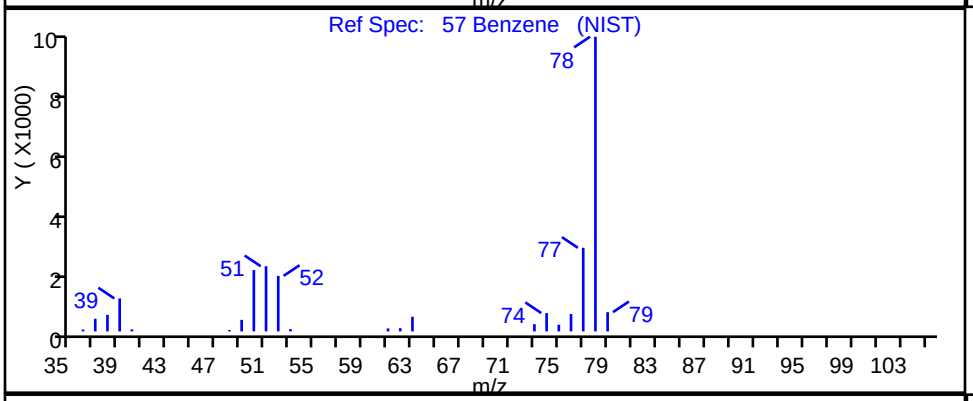
57 Benzene, CAS: 71-43-2

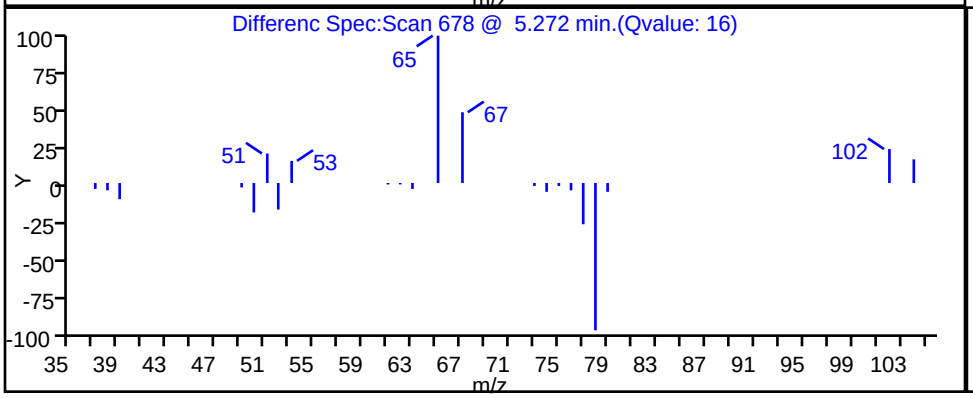


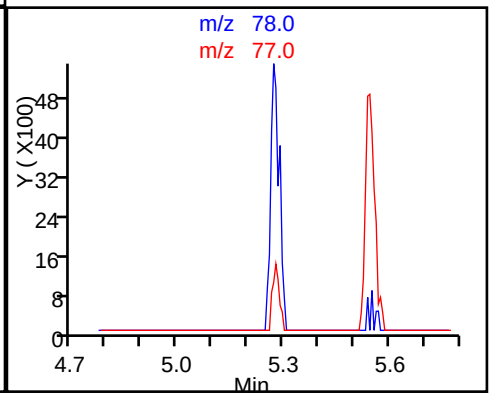












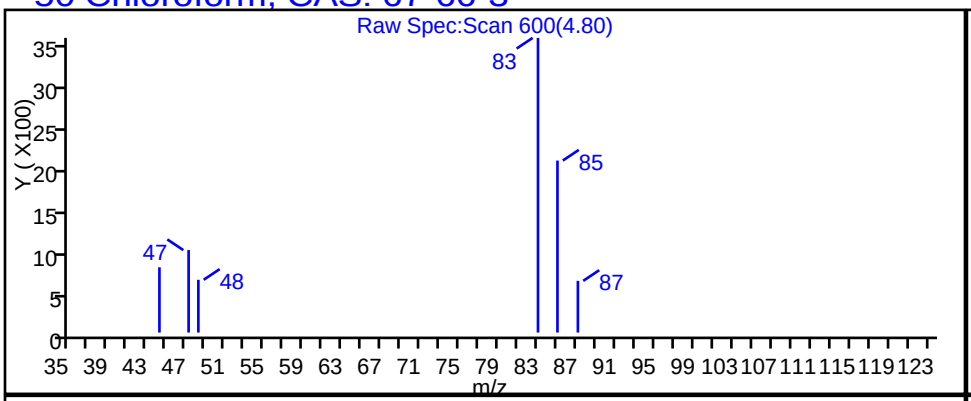
Report Date: 08-Jan-2018 14:14:39 Chrom Revision: 2.2 08-Dec-2017 11:41:26

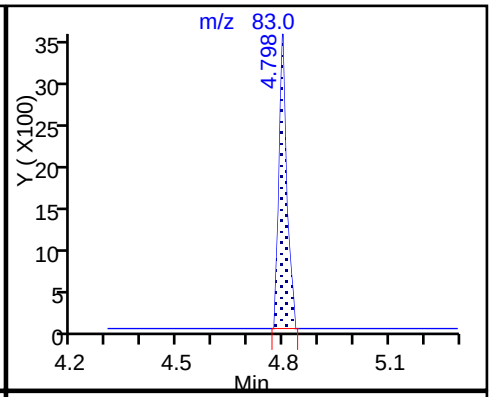
TestAmerica Buffalo

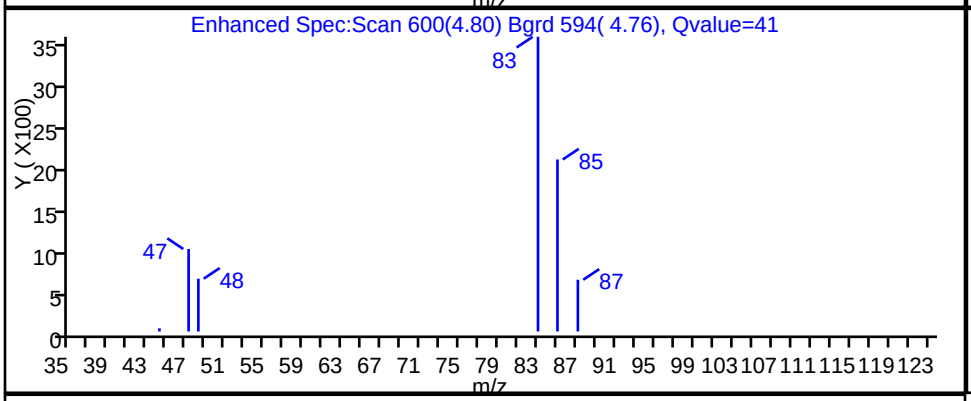
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5966.D

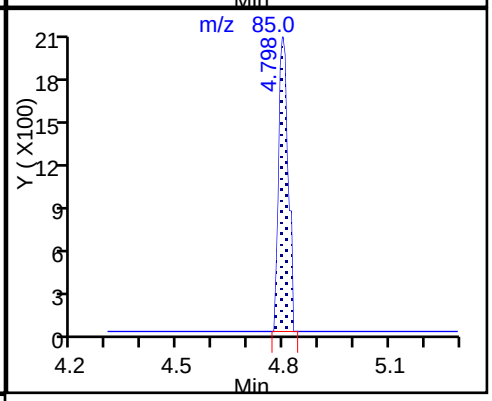
Injection Date:	26-Dec-2017 23:08:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-5	Lab Sample ID:	480-129453-5		
Client ID:	MW-28D-122117				
Operator ID:	AS	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

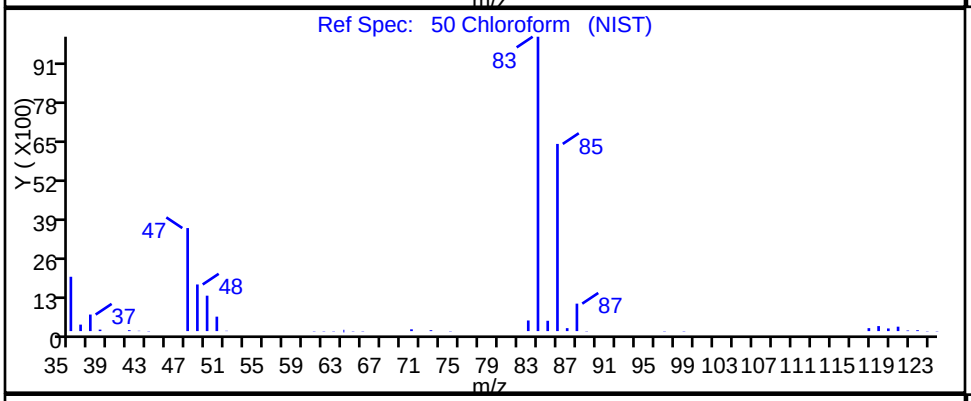
50 Chloroform, CAS: 67-66-3

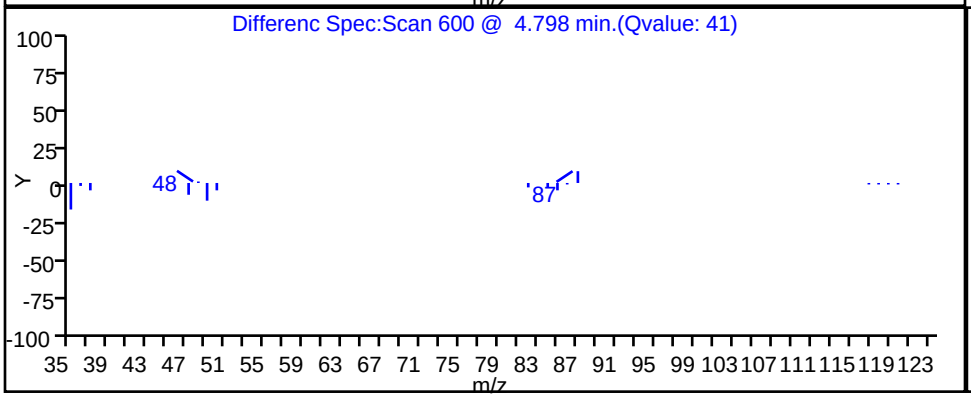


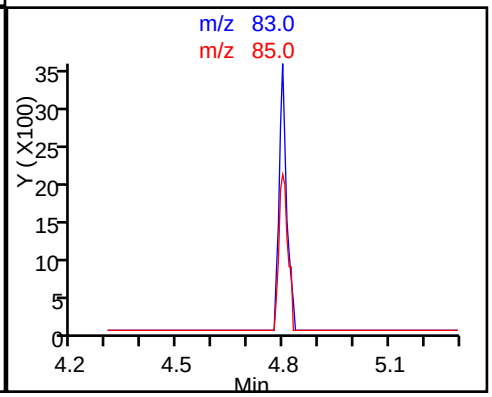












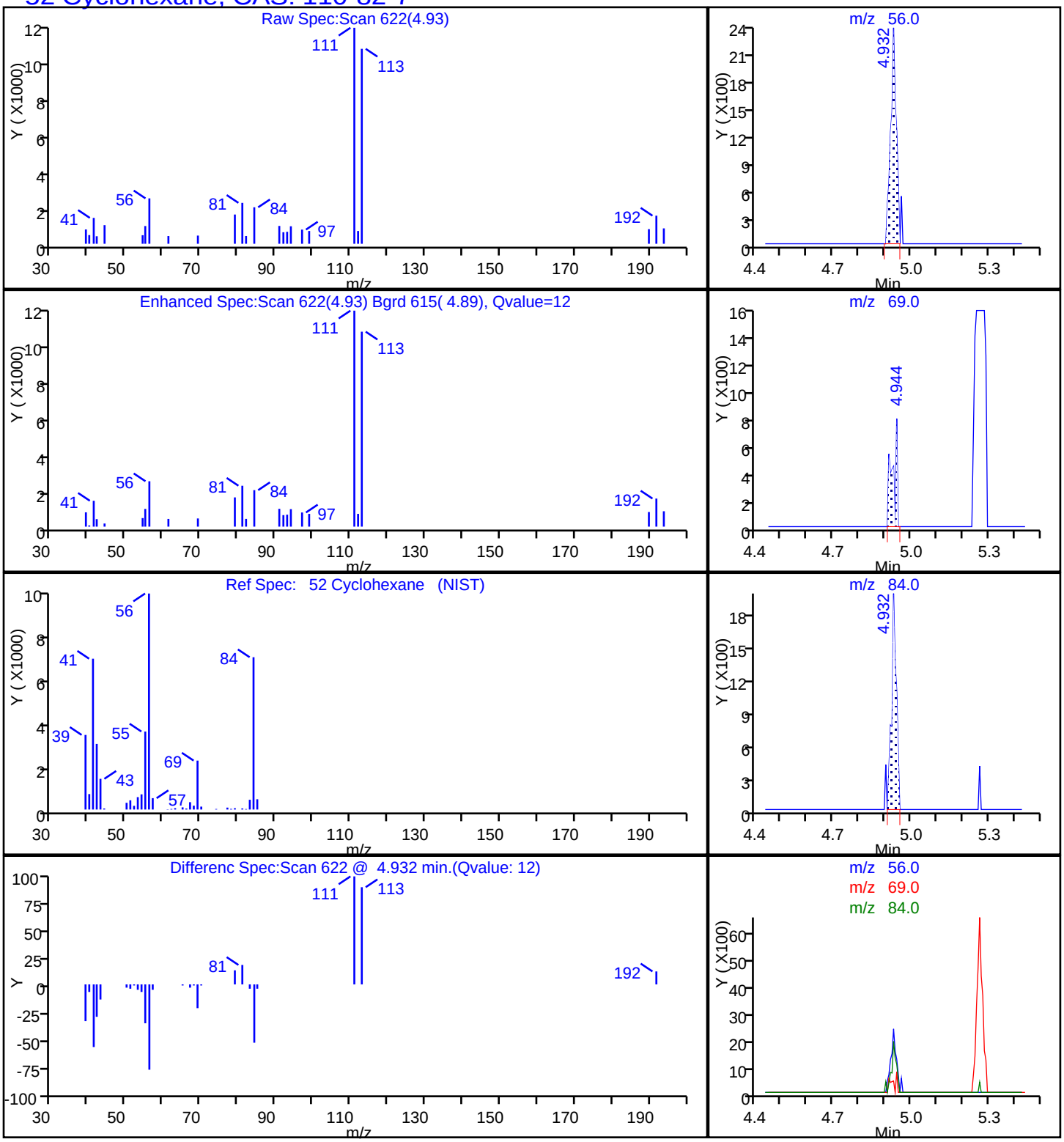
Report Date: 08-Jan-2018 14:14:39 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5966.D

Injection Date:	26-Dec-2017 23:08:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-5	Lab Sample ID:	480-129453-5		
Client ID:	MW-28D-122117				
Operator ID:	AS	ALS Bottle#:	11	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		

52 Cyclohexane, CAS: 110-82-7



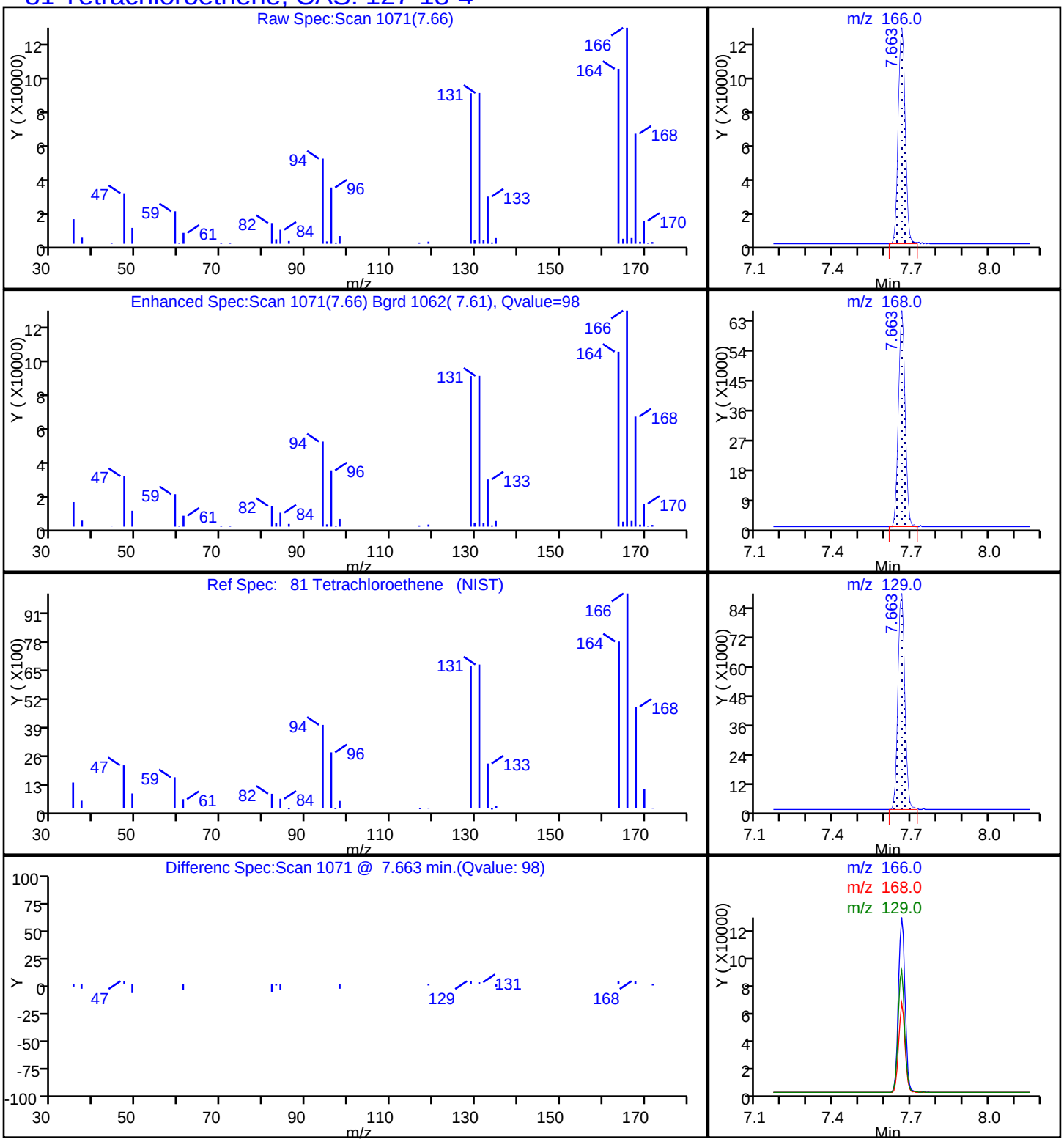
Report Date: 08-Jan-2018 14:14:39 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5966.D

Injection Date:	26-Dec-2017 23:08:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-5	Lab Sample ID:	480-129453-5		
Client ID:	MW-28D-122117				
Operator ID:	AS	ALS Bottle#:	11	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		

81 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-47C-122117 | Lab Sample ID: 480-129453-6

Matrix: Water | Lab File ID: S5967.D

Analysis Method: 8260C | Date Collected: 12/21/2017 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 23:31

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.: 393593 | 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	0.51	J	1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.41
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
123-91-1	1,4-Dioxane	ND		40	9.3
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	12		10	3.0
71-43-2	Benzene	ND		1.0	0.41
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
74-97-5	Chlorobromomethane	ND		1.0	0.87
124-48-1	Chlorodibromomethane	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
110-82-7	Cyclohexane	0.38	J	1.0	0.18
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-71-8	Dichlorodifluoromethane	11		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-47C-122117 | Lab Sample ID: 480-129453-6

Matrix: Water | Lab File ID: S5967.D

Analysis Method: 8260C | Date Collected: 12/21/2017 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 23:31

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.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
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
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
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
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
100-42-5	Styrene	ND		1.0	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5967.D
Lims ID: 480-129453-B-6
Client ID: MW-47C-122117
Sample Type: Client
Inject. Date: 26-Dec-2017 23:31:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-129453-B-6
Misc. Info.: 480-0068223-013
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2018 14:14:27 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: farrellr Date: 27-Dec-2017 08:54:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	103165	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.545	0.000	84	209392	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.918	0.000	95	211973	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.950	4.956	-0.006	71	134866	25.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	83321	24.5	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	93	517776	24.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	92	168385	23.9	
10 Dichlorodifluoromethane	85	1.300	1.294	0.006	86	45278	10.9	
12 Chloromethane	50		1.483				ND	
13 Vinyl chloride	62		1.562				ND	
14 Bromomethane	94		1.890				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.219				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.730				ND	
22 1,1-Dichloroethene	96		2.748				ND	
23 Acetone	43	2.876	2.870	0.006	88	25367	12.1	
26 Carbon disulfide	76		2.949				ND	
27 Methyl acetate	43		3.174				ND	
30 Methylene Chloride	84		3.265				ND	
32 Methyl tert-butyl ether	73		3.490				ND	
34 trans-1,2-Dichloroethene	96		3.502				ND	
39 1,1-Dichloroethane	63	3.922	3.922	0.000	1	4634	0.5084	
45 cis-1,2-Dichloroethene	96		4.482				ND	
43 2-Butanone (MEK)	43		4.518				ND	
48 Chlorobromomethane	128		4.719				ND	
50 Chloroform	83		4.798				ND	
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56	4.926	4.932	-0.006	19	3299	0.3759	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78		5.273				ND	
58 1,2-Dichloroethane	62		5.333				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Trichloroethene	95		5.887				ND	
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
66 1,4-Dioxane	88		6.276				ND	
68 Dichlorobromomethane	83		6.410				ND	
72 cis-1,3-Dichloropropene	75		6.830				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92		7.128				ND	
77 trans-1,3-Dichloropropene	75		7.396				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166		7.663				ND	
80 2-Hexanone	43		7.816				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91		8.667				ND	
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.215				ND	
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.489				ND	
94 Isopropylbenzene	105		9.598				ND	
97 1,1,2,2-Tetrachloroethane	83		9.981				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.943				ND	
116 1,2-Dichlorobenzene	146		11.289				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.689				ND	
122 1,2,3-Trichlorobenzene	180		13.102				ND	

Reagents:

S_8260_IS_00275	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00244	Amount Added:	1.00	Units: uL	Run Reagent

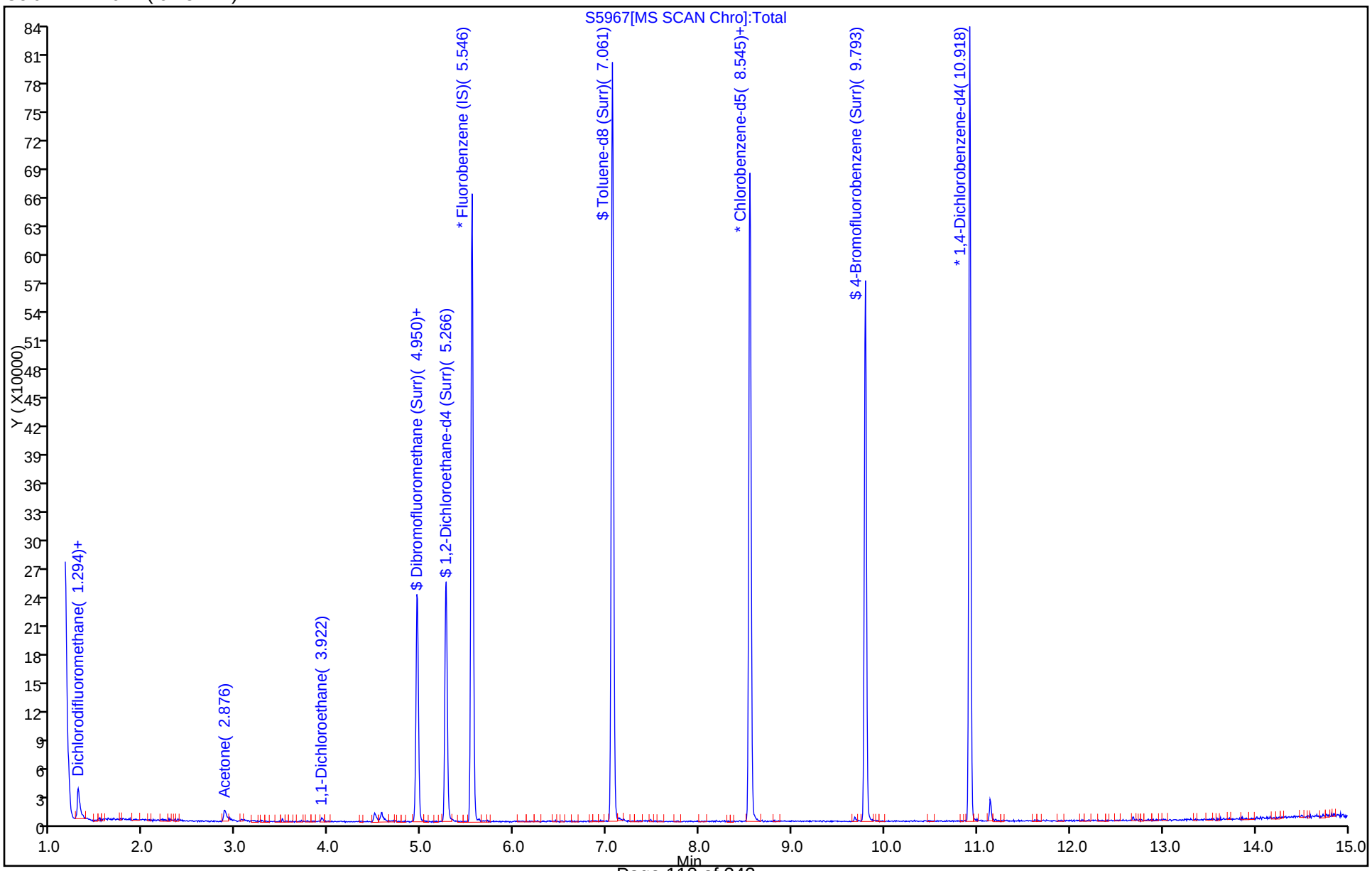
Report Date: 08-Jan-2018 14:14:40 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5967.D

Injection Date:	26-Dec-2017 23:31:30	Instrument ID:	HP5973S	Operator ID:	AS
Lims ID:	480-129453-B-6	Lab Sample ID:	480-129453-6	Worklist Smp#:	13
Client ID:	MW-47C-122117				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



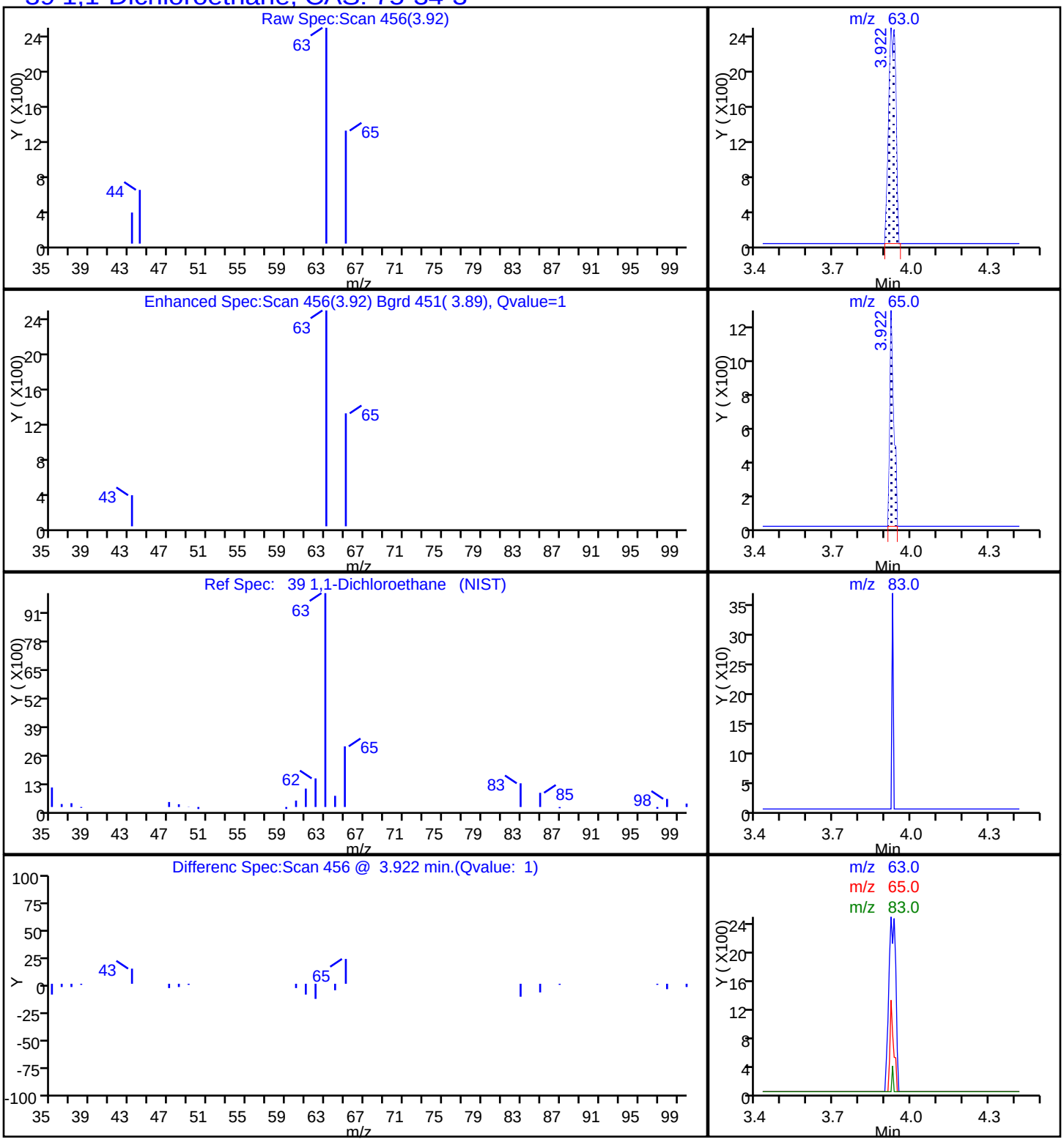
Report Date: 08-Jan-2018 14:14:41 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5967.D

Injection Date:	26-Dec-2017 23:31:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-6	Lab Sample ID:	480-129453-6		
Client ID:	MW-47C-122117				
Operator ID:	AS	ALS Bottle#:	12	Worklist Smp#:	13
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



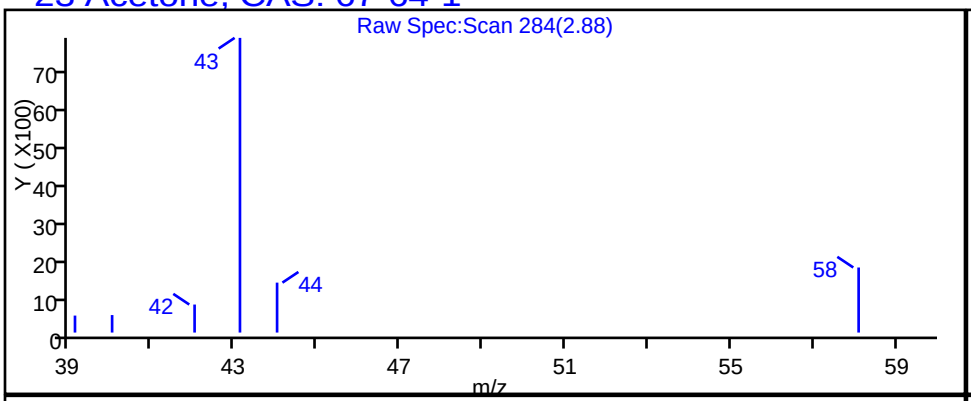
Report Date: 08-Jan-2018 14:14:40 Chrom Revision: 2.2 08-Dec-2017 11:41:26

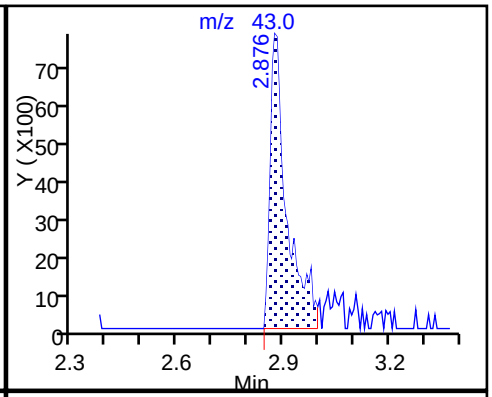
TestAmerica Buffalo

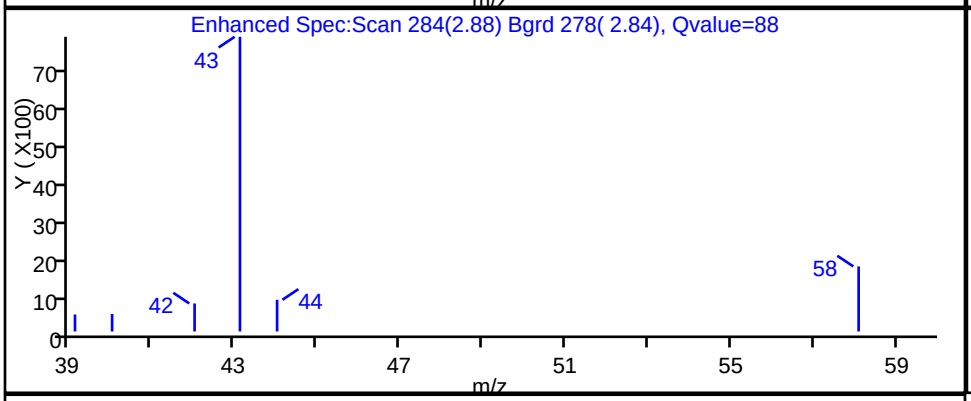
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5967.D

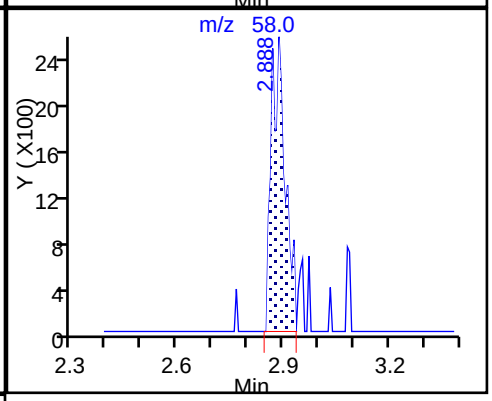
Injection Date:	26-Dec-2017 23:31:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-6	Lab Sample ID:	480-129453-6		
Client ID:	MW-47C-122117				
Operator ID:	AS	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

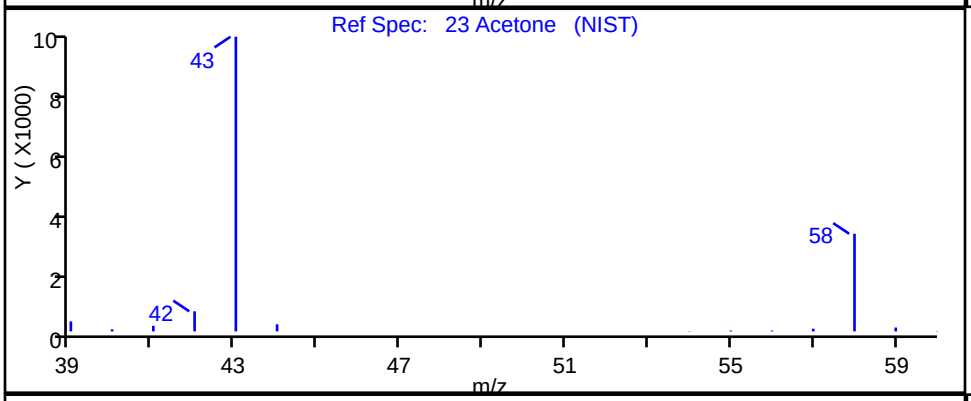
23 Acetone, CAS: 67-64-1

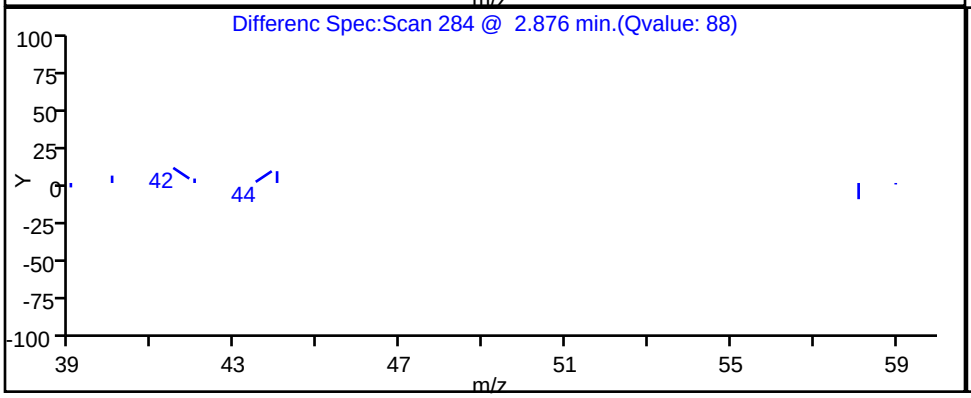


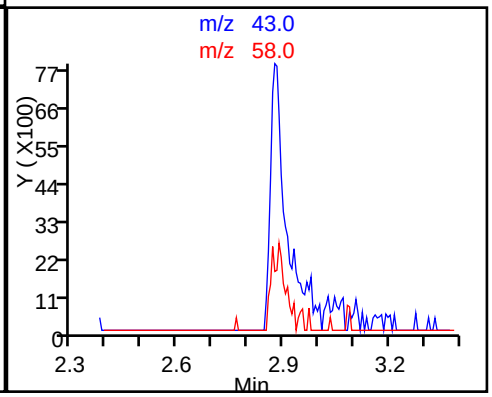












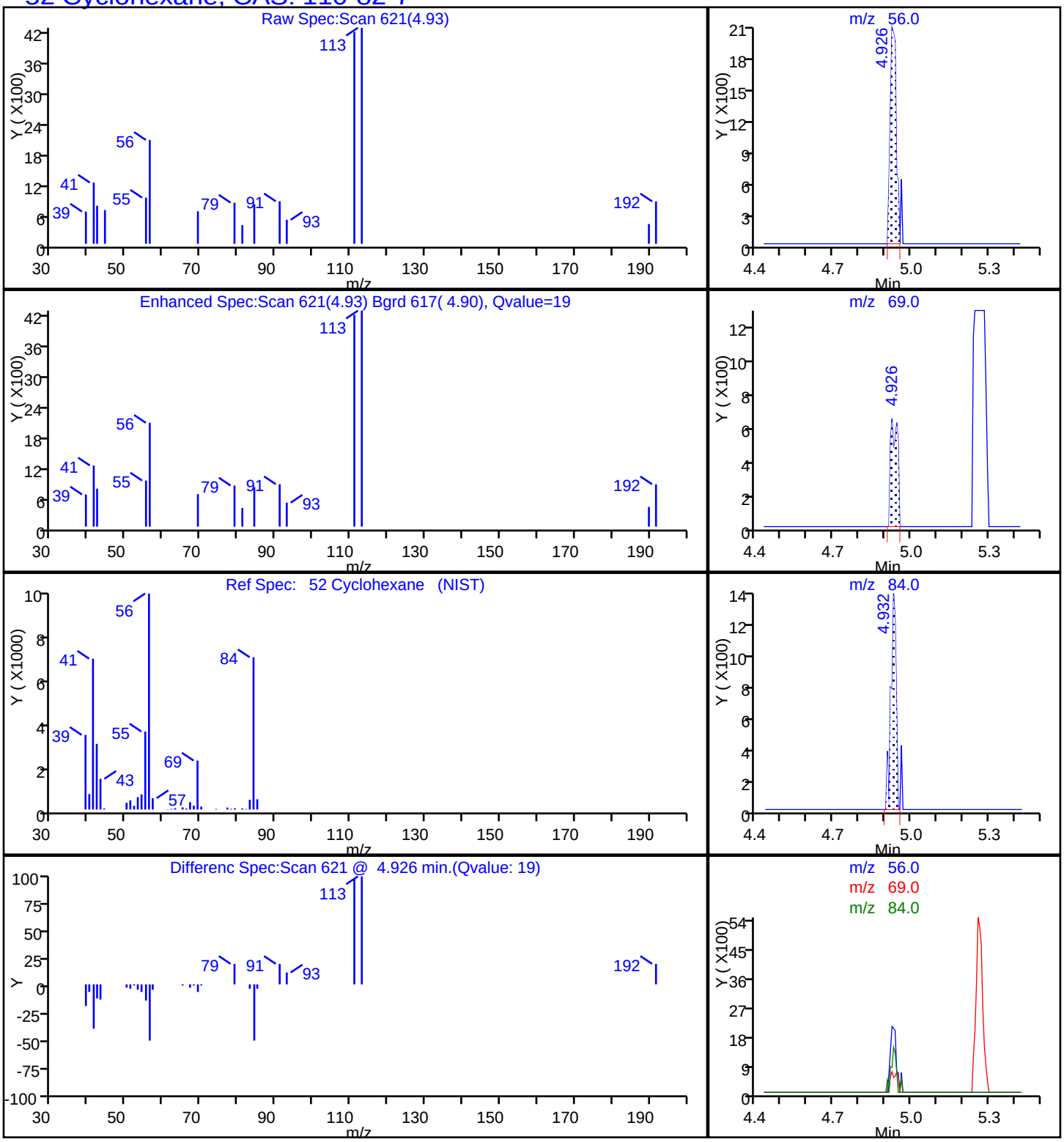
Report Date: 08-Jan-2018 14:14:41 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5967.D

Injection Date:	26-Dec-2017 23:31:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-6	Lab Sample ID:	480-129453-6		
Client ID:	MW-47C-122117				
Operator ID:	AS	ALS Bottle#:	12	Worklist Smp#:	13
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



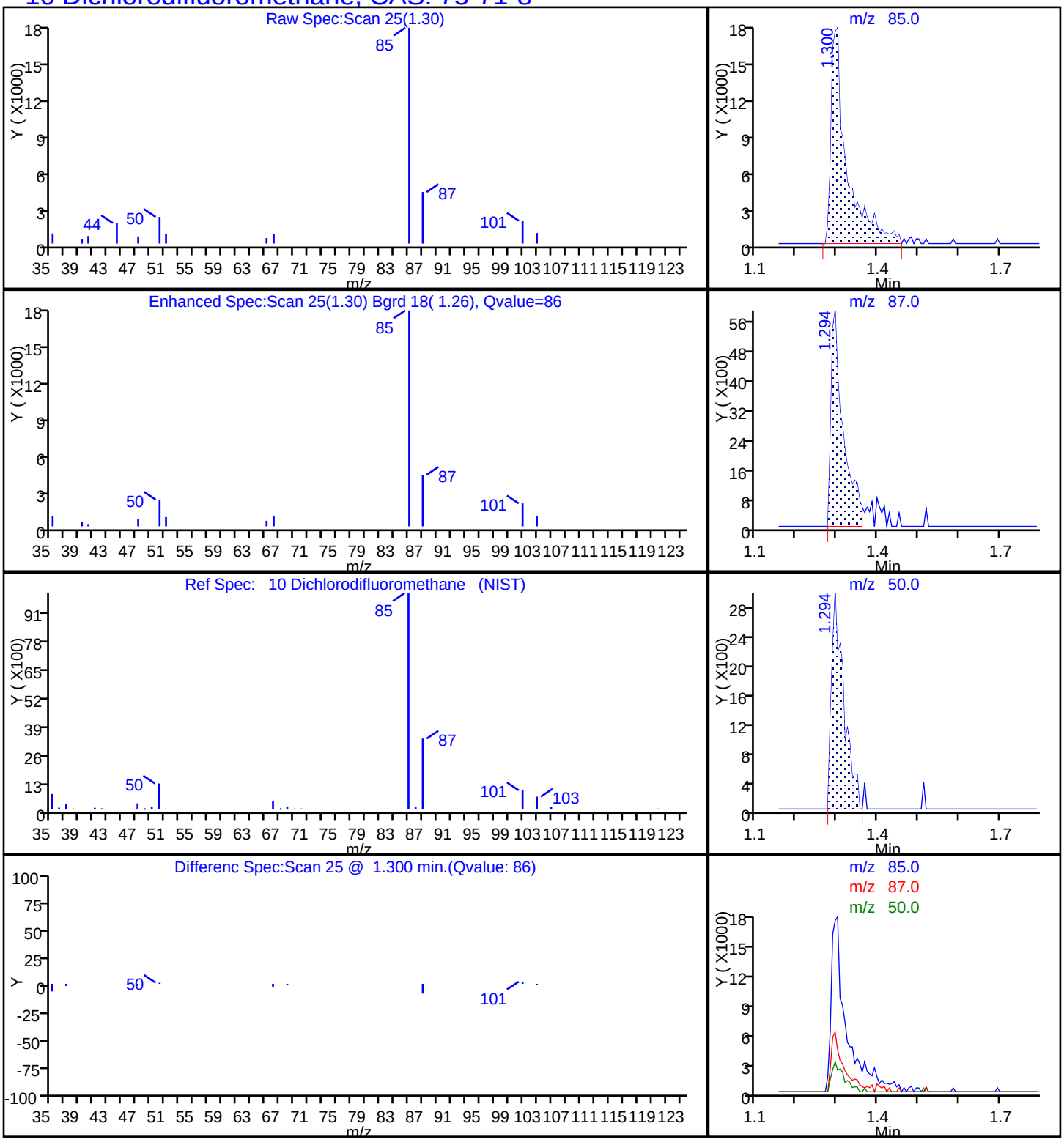
Report Date: 08-Jan-2018 14:14:40 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5967.D

Injection Date:	26-Dec-2017 23:31:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-6	Lab Sample ID:	480-129453-6		
Client ID:	MW-47C-122117				
Operator ID:	AS	ALS Bottle#:	12	Worklist Smp#:	13
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



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: TB-122117 | Lab Sample ID: 480-129453-7

Matrix: Water | Lab File ID: 95293P.D

Analysis Method: 8260C | Date Collected: 12/21/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 21:51

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 393586 | 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.41
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
123-91-1	1,4-Dioxane	ND		40	9.3
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
75-25-2	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
74-97-5	Chlorobromomethane	ND		1.0	0.87
124-48-1	Chlorodibromomethane	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
110-82-7	Cyclohexane	ND		1.0	0.18
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: TB-122117 | Lab Sample ID: 480-129453-7

Matrix: Water | Lab File ID: 95293P.D

Analysis Method: 8260C | Date Collected: 12/21/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 21:51

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 393586 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
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
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
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
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
100-42-5	Styrene	ND		1.0	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	113		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\95293P.D
Lims ID: 480-129453-B-7
Client ID: TB-122117
Sample Type: Client
Inject. Date: 26-Dec-2017 21:51:30 ALS Bottle#: 11 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-129453-B-7
Misc. Info.: 480-0068221-020
Operator ID: AS Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Jan-2018 17:27:46 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: moffata Date: 27-Dec-2017 13:24:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.421	10.422	-0.001	97	133906	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	92	316379	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.333	-0.001	94	375856	25.0	
$ 148 Dibromofluoromethane (Surr	113	9.631	9.630	0.006	93	207520	28.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	10.075	10.075	0.000	0	124809	26.0	
$ 5 Toluene-d8 (Surr)	98	12.417	12.411	0.006	94	734946	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.878	15.872	0.006	95	278808	26.7	
10 Dichlorodifluoromethane	85		4.326				ND	
11 Chloromethane	50		4.746				ND	
17 Vinyl chloride	62		4.946				ND	
12 Bromomethane	94		5.585				ND	
13 Chloroethane	64		5.713				ND	
14 Trichlorofluoromethane	101		6.072				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.729				ND	
25 1,1-Dichloroethene	96		6.826				ND	
24 Acetone	43	6.887	6.887	0.006	96	26603	3.30	M
27 Carbon disulfide	76		7.240				ND	
30 Methyl acetate	43		7.246				ND	
31 Methylene Chloride	84		7.501				ND	
32 Methyl tert-butyl ether	73		7.684				ND	
35 trans-1,2-Dichloroethene	96		7.769				ND	
40 1,1-Dichloroethane	63		8.329				ND	
44 2-Butanone (MEK)	43		9.010				ND	
43 cis-1,2-Dichloroethene	96		9.047				ND	
50 Chlorobromomethane	128		9.381				ND	
49 Chloroform	83		9.412				ND	
52 1,1,1-Trichloroethane	97		9.649				ND	
54 Cyclohexane	56		9.685				ND	
55 Carbon tetrachloride	117		9.844				ND	
57 Benzene	78		10.123				ND	
60 1,2-Dichloroethane	62		10.178				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Trichloroethene	95		10.872				ND	
64 Methylcyclohexane	83		11.073				ND	
63 1,2-Dichloropropane	63		11.212				ND	
68 1,4-Dioxane	88		11.340				ND	
70 Dichlorobromomethane	83		11.553				ND	
73 cis-1,3-Dichloropropene	75		12.082				ND	
75 4-Methyl-2-pentanone (MIBK	43		12.192				ND	
76 Toluene	92		12.508				ND	
78 trans-1,3-Dichloropropene	75		12.800				ND	
79 1,1,2-Trichloroethane	83		13.086				ND	
80 Tetrachloroethene	166		13.232				ND	
83 2-Hexanone	43		13.275				ND	
81 Chlorodibromomethane	129		13.664				ND	
85 Ethylene Dibromide	107		13.859				ND	
87 Chlorobenzene	112		14.418				ND	
89 Ethylbenzene	91		14.461				ND	
90 m-Xylene & p-Xylene	106		14.595				ND	
93 o-Xylene	106		15.149				ND	
94 Styrene	104		15.173				ND	
92 Bromoform	173		15.562				ND	
95 Isopropylbenzene	105		15.574				ND	
97 1,1,2,2-Tetrachloroethane	83		16.049				ND	
110 1,3-Dichlorobenzene	146		17.260				ND	
111 1,4-Dichlorobenzene	146		17.369				ND	
116 1,2-Dichlorobenzene	146		17.862				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.908				ND	
119 1,2,4-Trichlorobenzene	180		20.015				ND	
122 1,2,3-Trichlorobenzene	180		20.837				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00276	Amount Added:	1.25	Units: uL	Run Reagent
P 8260 Surr._00257	Amount Added:	1.25	Units: uL	Run Reagent

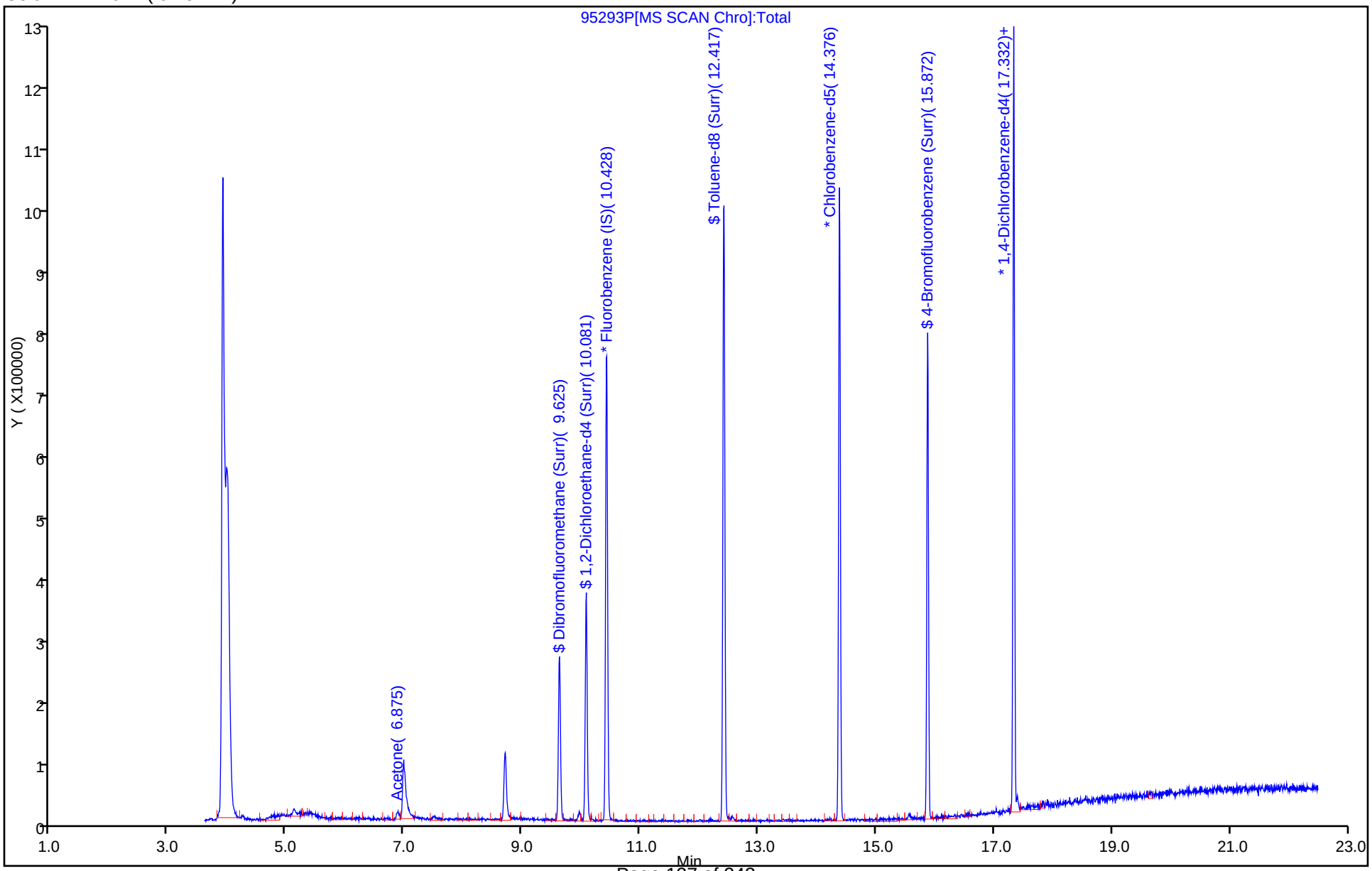
Report Date: 08-Jan-2018 14:15:53 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\95293P.D

Injection Date:	26-Dec-2017 21:51:30	Instrument ID:	HP5973P	Operator ID:	AS
Lims ID:	480-129453-B-7	Lab Sample ID:	480-129453-7	Worklist Smp#:	20
Client ID:	TB-122117				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	P-8260H2O	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



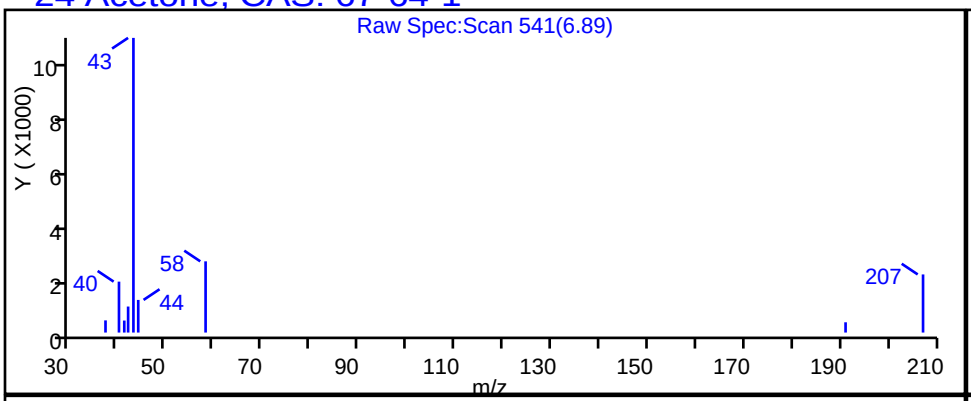
Report Date: 08-Jan-2018 14:15:53 Chrom Revision: 2.2 08-Dec-2017 11:41:26

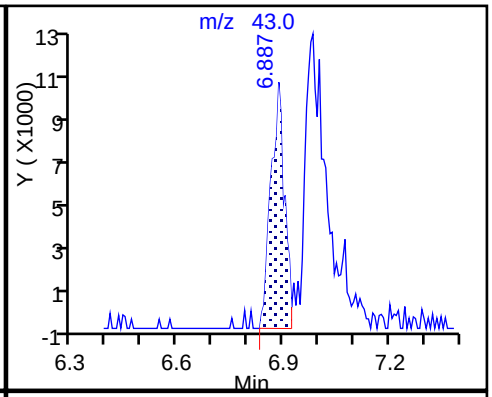
TestAmerica Buffalo

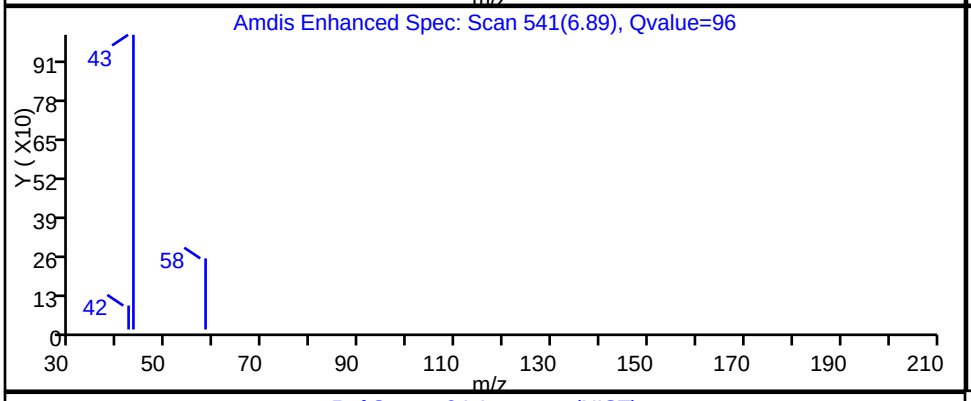
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\95293P.D

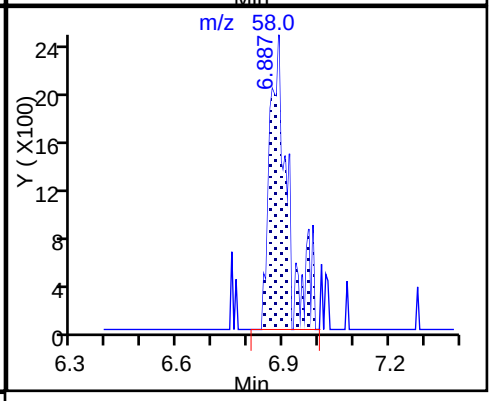
Injection Date:	26-Dec-2017 21:51:30	Instrument ID:	HP5973P		
Lims ID:	480-129453-B-7	Lab Sample ID:	480-129453-7		
Client ID:	TB-122117				
Operator ID:	AS	ALS Bottle#:	11	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260H2O	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

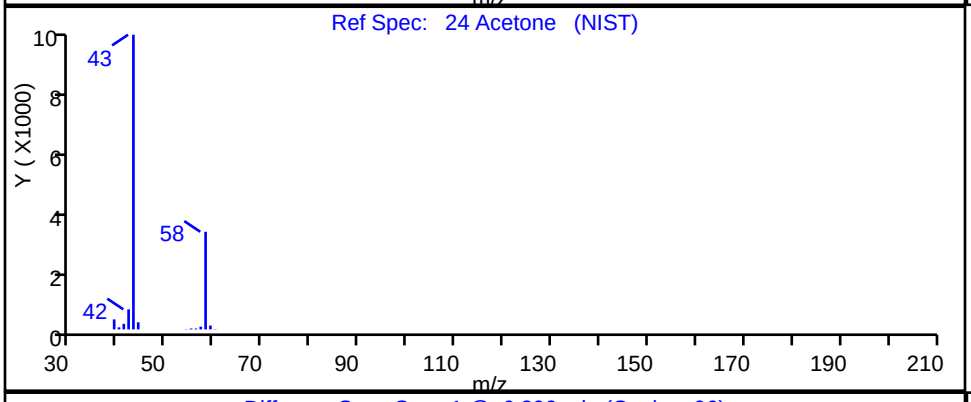
24 Acetone, CAS: 67-64-1

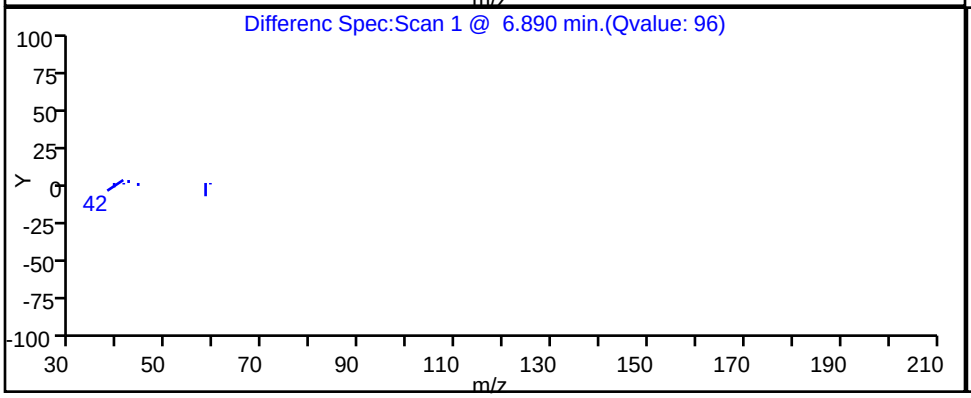


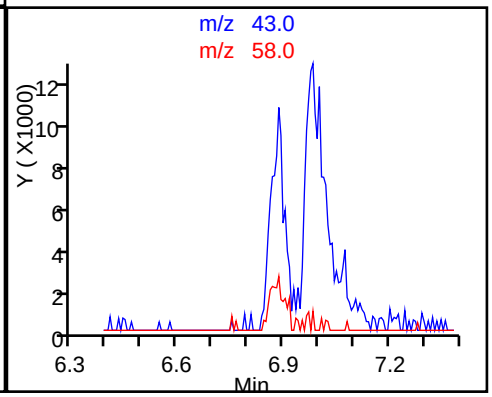












Manual Integration/User Assign Peak Report

TestAmerica Buffalo

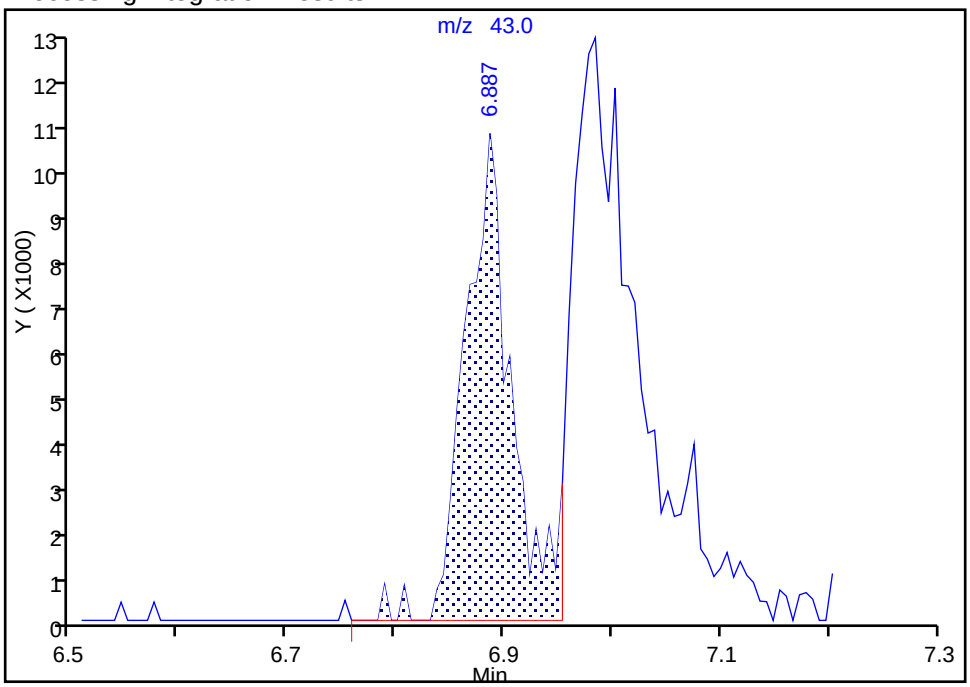
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\95293P.D				
Injection Date:	26-Dec-2017 21:51:30	Instrument ID:	HP5973P		
Lims ID:	480-129453-B-7	Lab Sample ID:	480-129453-7		
Client ID:	TB-122117				
Operator ID:	AS	ALS Bottle#:	11	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260H2O	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

Signal: 1

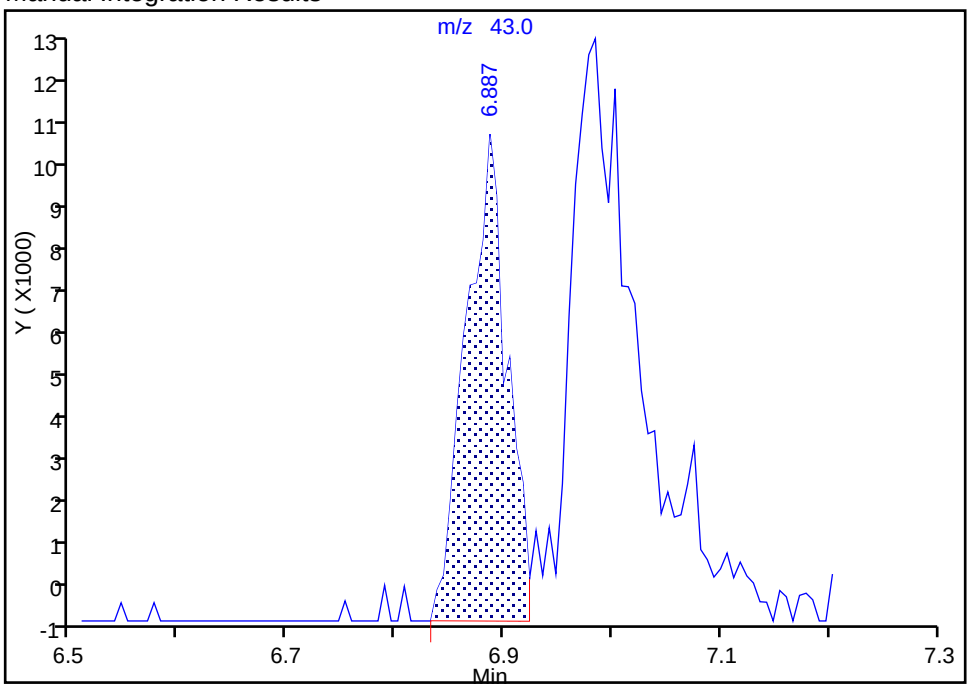
Processing Integration Results

RT: 6.89
Area: 30259
Amount: 3.754346
Amount Units: ug/L



Manual Integration Results

RT: 6.89
Area: 26603
Amount: 3.300732
Amount Units: ug/L



Reviewer: moffata, 27-Dec-2017 13:23:59

Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-46C-122117 | Lab Sample ID: 480-129453-8

Matrix: Water | Lab File ID: S5968.D

Analysis Method: 8260C | Date Collected: 12/21/2017 14:45

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 23:55

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.: 393593 | 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.41
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
123-91-1	1,4-Dioxane	ND		40	9.3
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	16		10	3.0
71-43-2	Benzene	ND		1.0	0.41
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
74-97-5	Chlorobromomethane	ND		1.0	0.87
124-48-1	Chlorodibromomethane	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	2.2		1.0	0.81
110-82-7	Cyclohexane	0.47	J	1.0	0.18
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-46C-122117 | Lab Sample ID: 480-129453-8

Matrix: Water | Lab File ID: S5968.D

Analysis Method: 8260C | Date Collected: 12/21/2017 14:45

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 23:55

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.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
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
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
127-18-4	Tetrachloroethene	69		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	9.0		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
100-42-5	Styrene	ND		1.0	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5968.D
Lims ID: 480-129453-B-8
Client ID: MW-46C-122117
Sample Type: Client
Inject. Date: 26-Dec-2017 23:55:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-129453-B-8
Misc. Info.: 480-0068223-014
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2018 14:14:27 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: farrellr Date: 27-Dec-2017 08:55:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	103734	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.545	0.000	85	206900	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.918	0.000	94	209606	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	64	135142	25.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	82158	24.0	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	93	521142	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	90	174134	25.0	
10 Dichlorodifluoromethane	85		1.294				ND	
12 Chloromethane	50		1.483				ND	
13 Vinyl chloride	62		1.562				ND	
14 Bromomethane	94		1.890				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.219				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.730				ND	
22 1,1-Dichloroethene	96		2.748				ND	
23 Acetone	43	2.876	2.870	0.006	89	33114	15.6	
26 Carbon disulfide	76		2.949				ND	
27 Methyl acetate	43		3.174				ND	
30 Methylene Chloride	84		3.265				ND	
32 Methyl tert-butyl ether	73		3.490				ND	
34 trans-1,2-Dichloroethene	96		3.502				ND	
39 1,1-Dichloroethane	63		3.922				ND	
45 cis-1,2-Dichloroethene	96	4.488	4.482	0.006	55	12137	2.15	
43 2-Butanone (MEK)	43		4.518				ND	
48 Chlorobromomethane	128		4.719				ND	
50 Chloroform	83		4.798				ND	
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56	4.926	4.932	-0.006	36	4122	0.4671	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78	5.285	5.273	0.012	1	3894	0.1932	
58 1,2-Dichloroethane	62		5.333				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Trichloroethene	95	5.893	5.887	0.006	92	45384	8.95	
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
66 1,4-Dioxane	88		6.276				ND	
68 Dichlorobromomethane	83		6.410				ND	
72 cis-1,3-Dichloropropene	75		6.830				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92		7.128				ND	
77 trans-1,3-Dichloropropene	75		7.396				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166	7.663	7.664	0.000	99	393834	68.6	
80 2-Hexanone	43		7.816				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112	8.576	8.576	0.000	10	7550	0.5189	
88 Ethylbenzene	91		8.667				ND	
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.215				ND	
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.489				ND	
94 Isopropylbenzene	105		9.598				ND	
97 1,1,2,2-Tetrachloroethane	83		9.981				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.943				ND	
116 1,2-Dichlorobenzene	146		11.289				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.689				ND	
122 1,2,3-Trichlorobenzene	180		13.102				ND	

Reagents:

S_8260_IS_00275	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00244	Amount Added:	1.00	Units: uL	Run Reagent

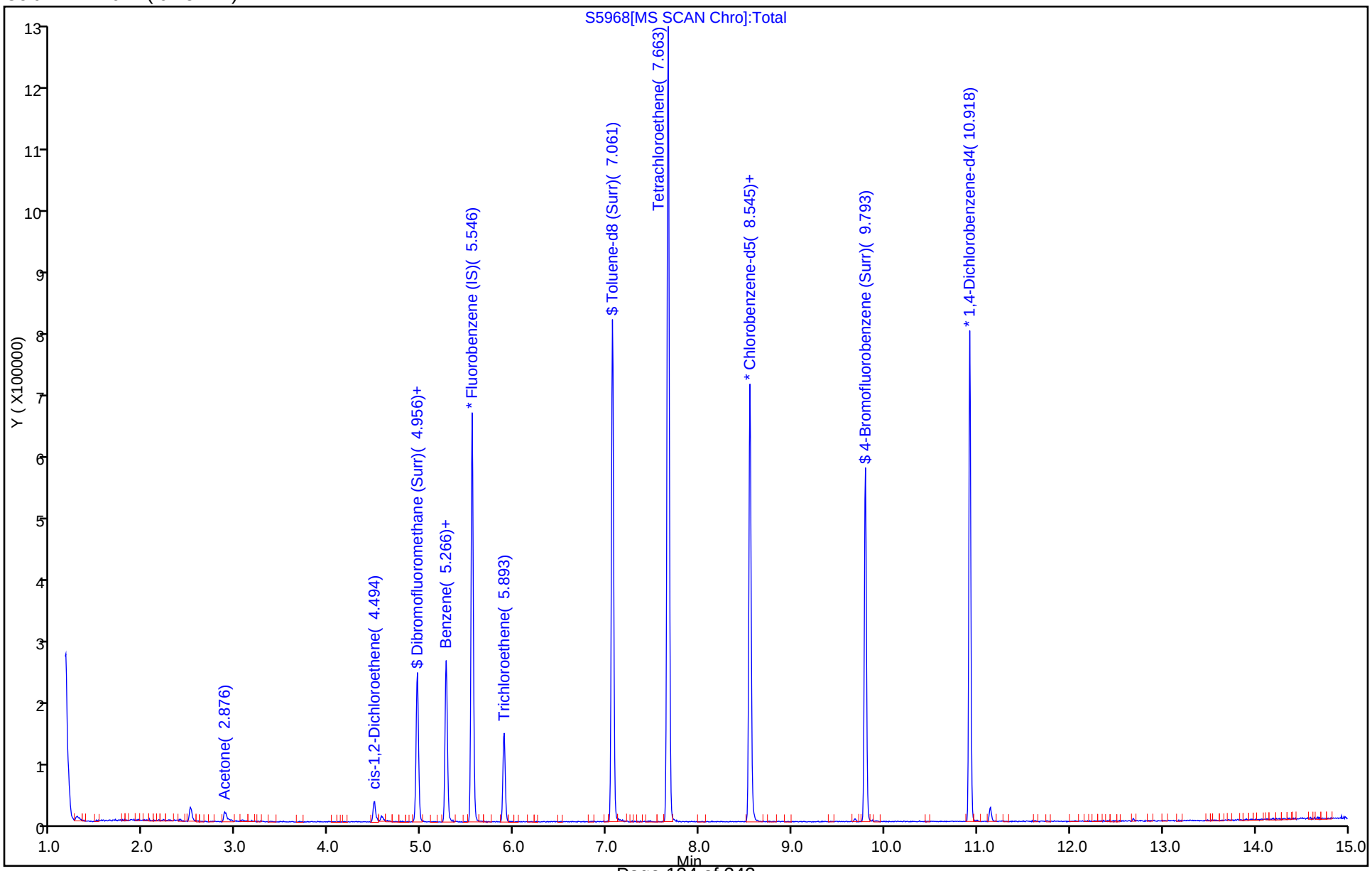
Report Date: 08-Jan-2018 14:14:42 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5968.D

Injection Date:	26-Dec-2017 23:55:30	Instrument ID:	HP5973S	Operator ID:	AS
Lims ID:	480-129453-B-8	Lab Sample ID:	480-129453-8	Worklist Smp#:	14
Client ID:	MW-46C-122117				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



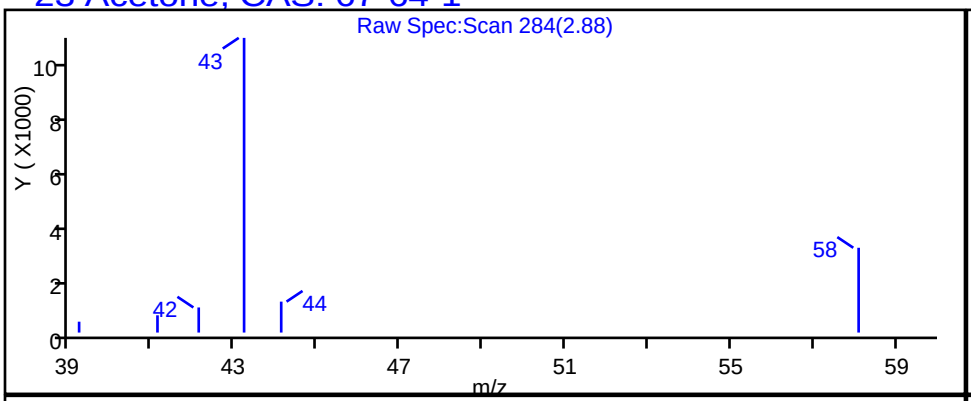
Report Date: 08-Jan-2018 14:14:42 Chrom Revision: 2.2 08-Dec-2017 11:41:26

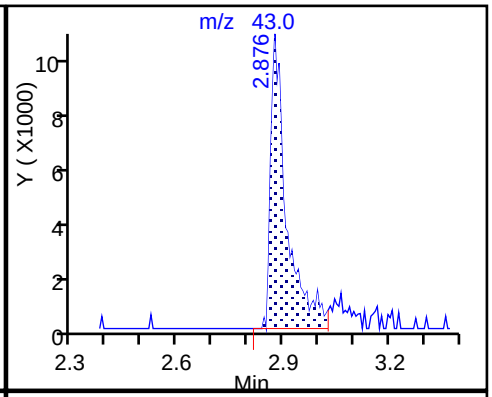
TestAmerica Buffalo

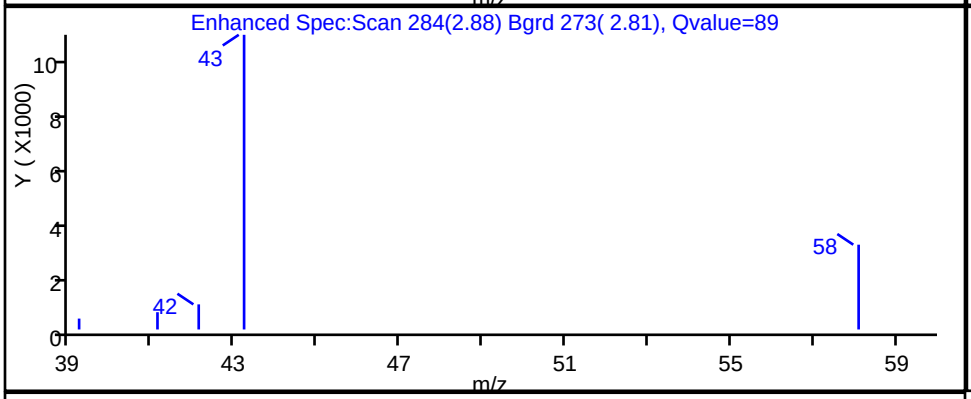
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5968.D

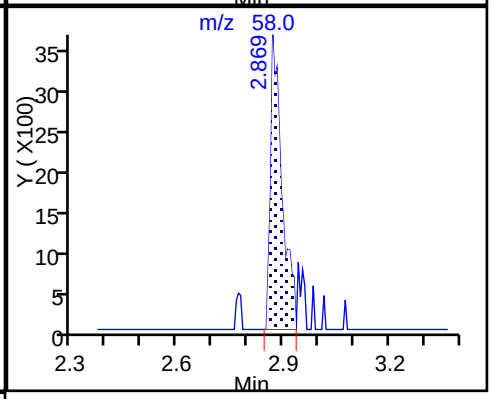
Injection Date:	26-Dec-2017 23:55:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-8	Lab Sample ID:	480-129453-8		
Client ID:	MW-46C-122117				
Operator ID:	AS	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

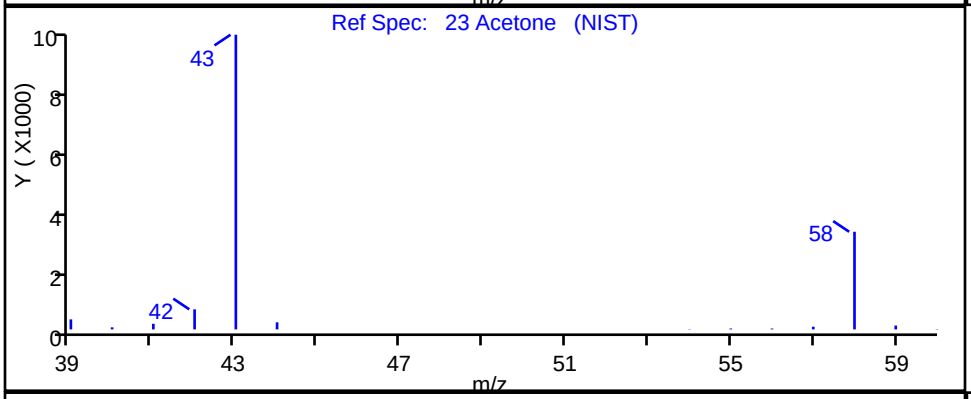
23 Acetone, CAS: 67-64-1

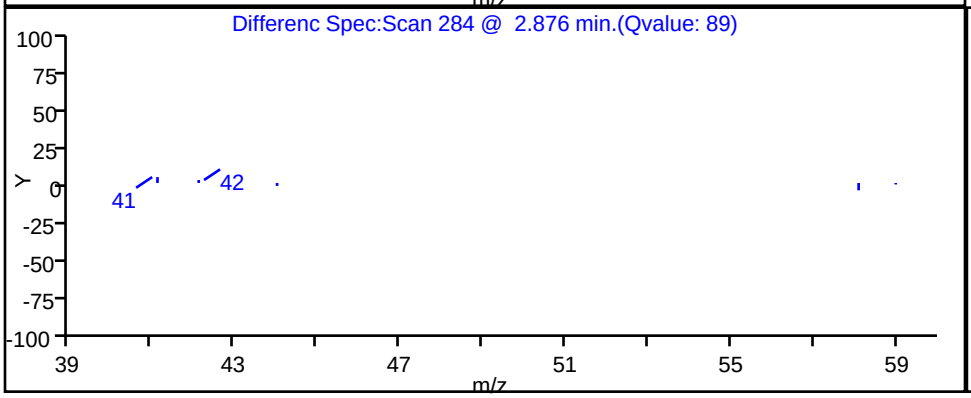


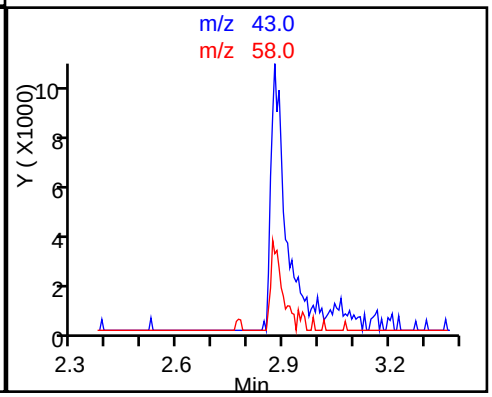












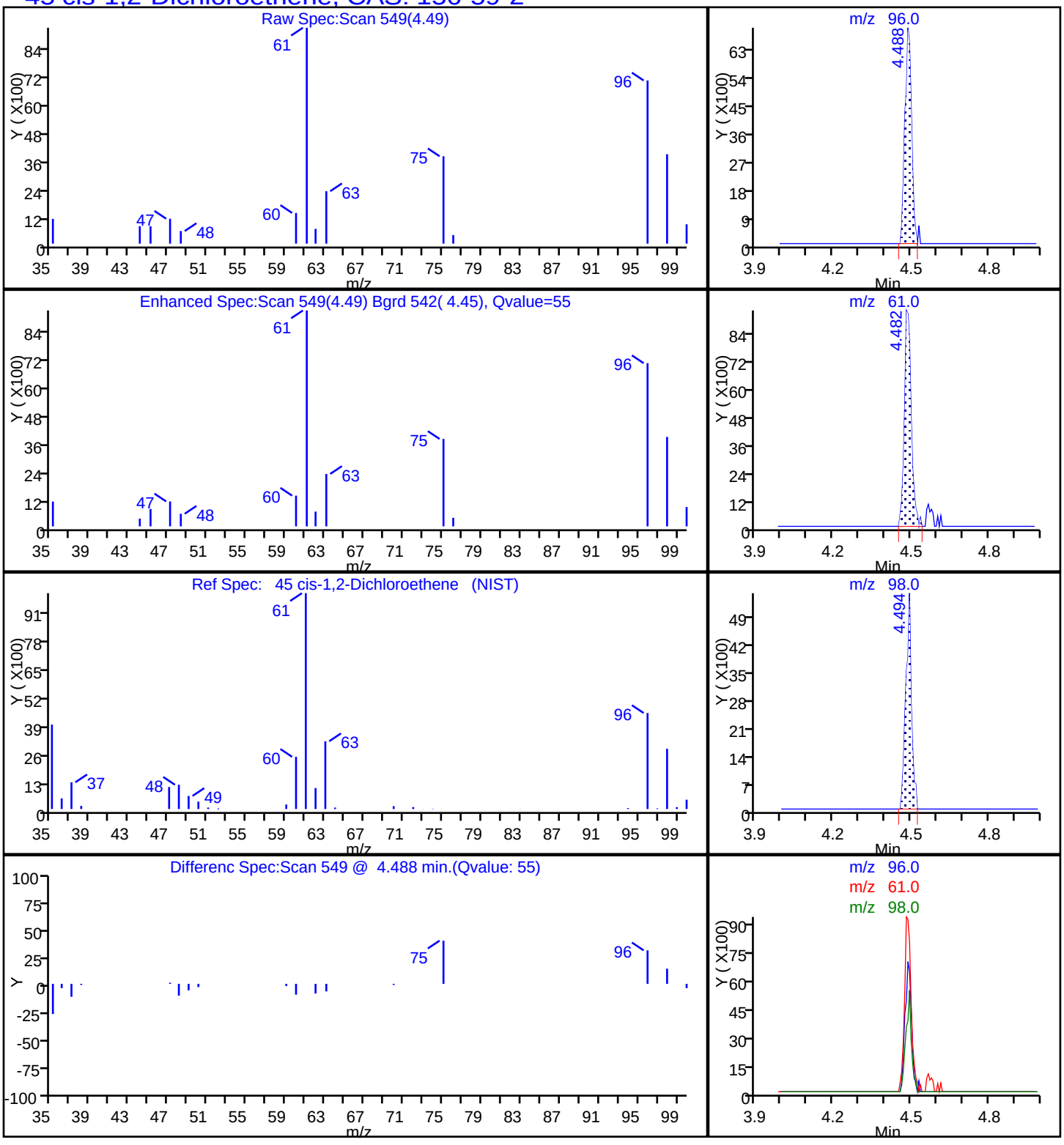
Report Date: 08-Jan-2018 14:14:42 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5968.D

Injection Date:	26-Dec-2017 23:55:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-8	Lab Sample ID:	480-129453-8		
Client ID:	MW-46C-122117				
Operator ID:	AS	ALS Bottle#:	13	Worklist Smp#:	14
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



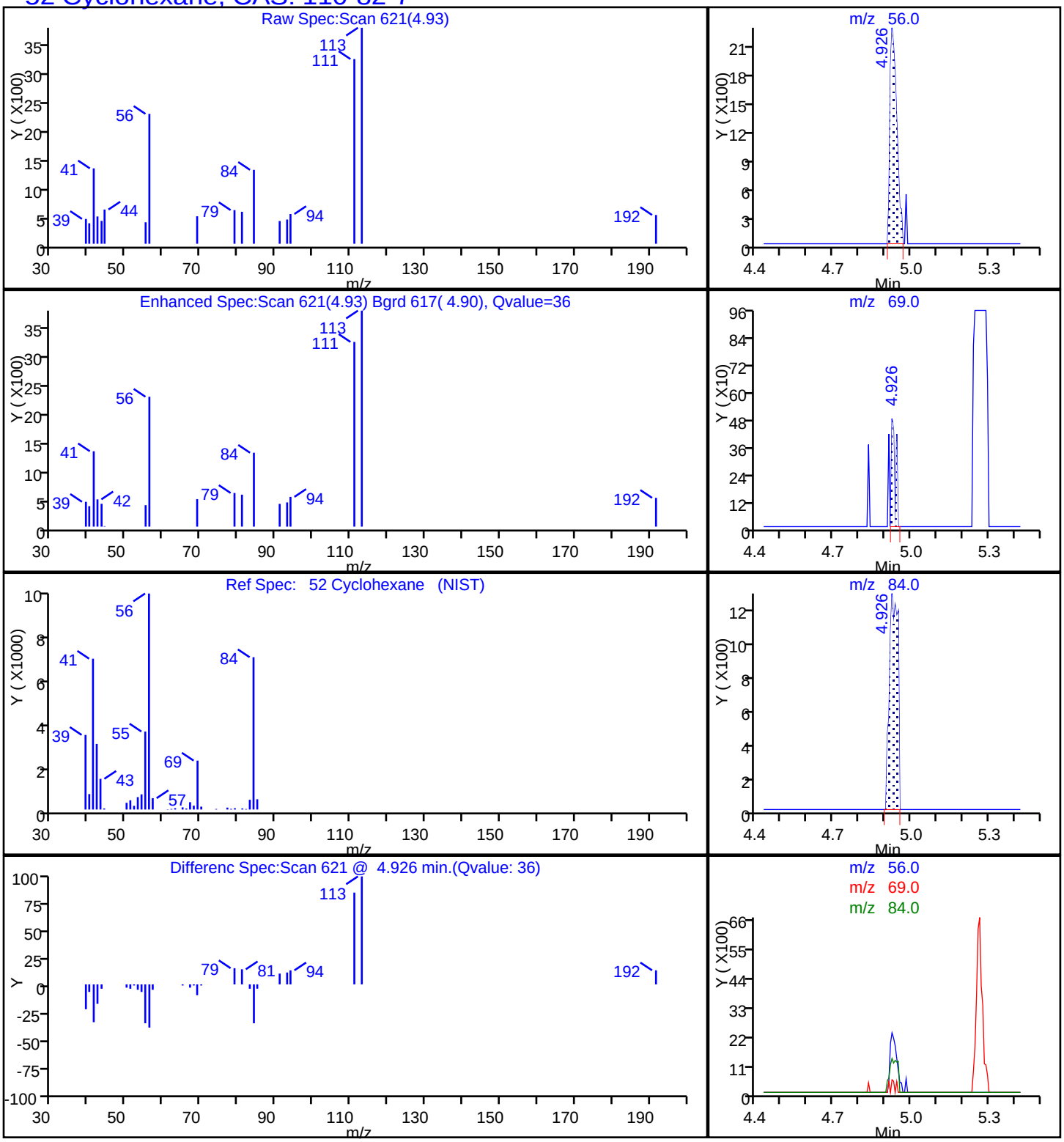
Report Date: 08-Jan-2018 14:14:42 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5968.D

Injection Date:	26-Dec-2017 23:55:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-8	Lab Sample ID:	480-129453-8		
Client ID:	MW-46C-122117				
Operator ID:	AS	ALS Bottle#:	13	Worklist Smp#:	14
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



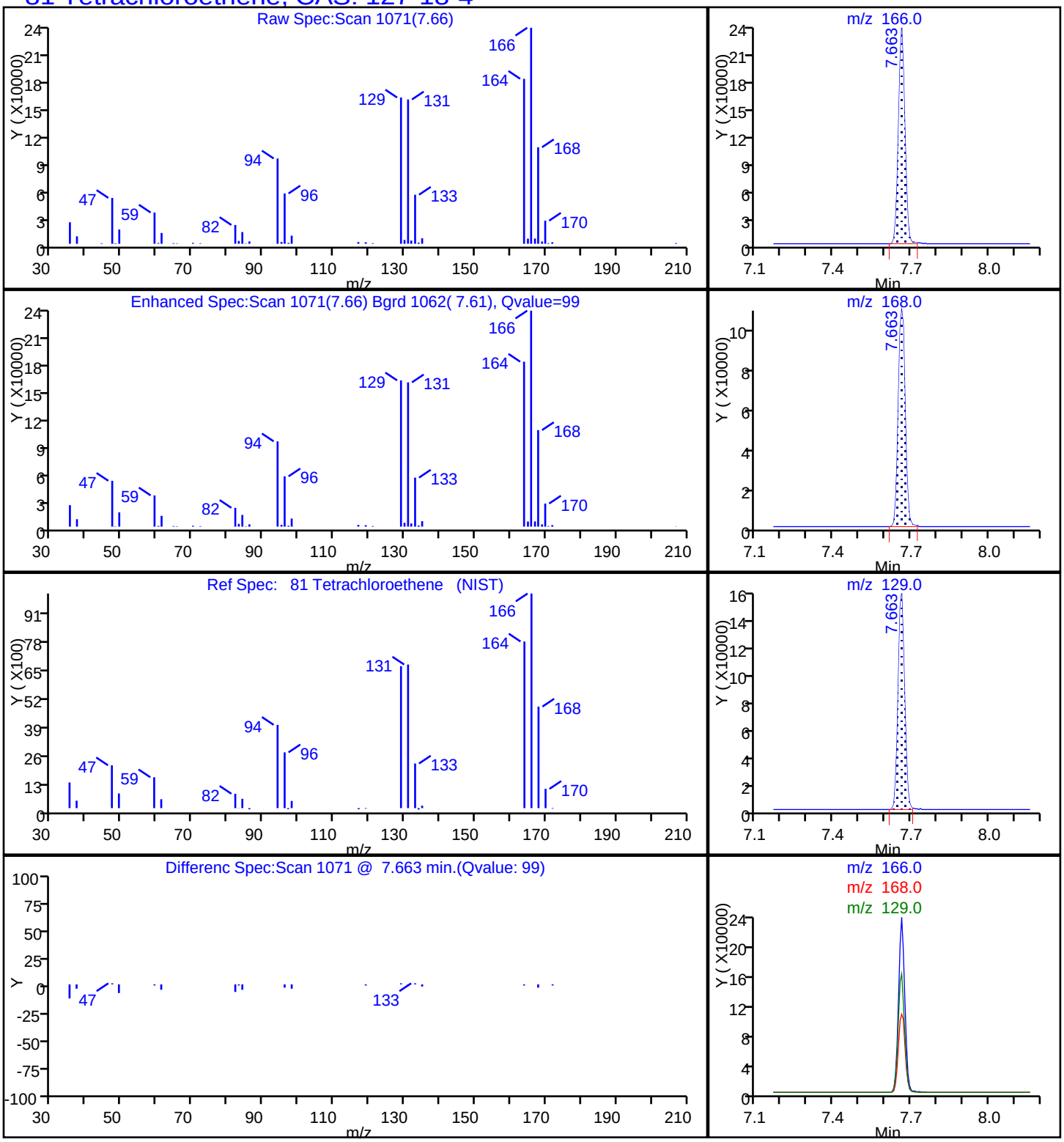
Report Date: 08-Jan-2018 14:14:42 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5968.D

Injection Date:	26-Dec-2017 23:55:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-8	Lab Sample ID:	480-129453-8		
Client ID:	MW-46C-122117				
Operator ID:	AS	ALS Bottle#:	13	Worklist Smp#:	14
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		

81 Tetrachloroethene, CAS: 127-18-4



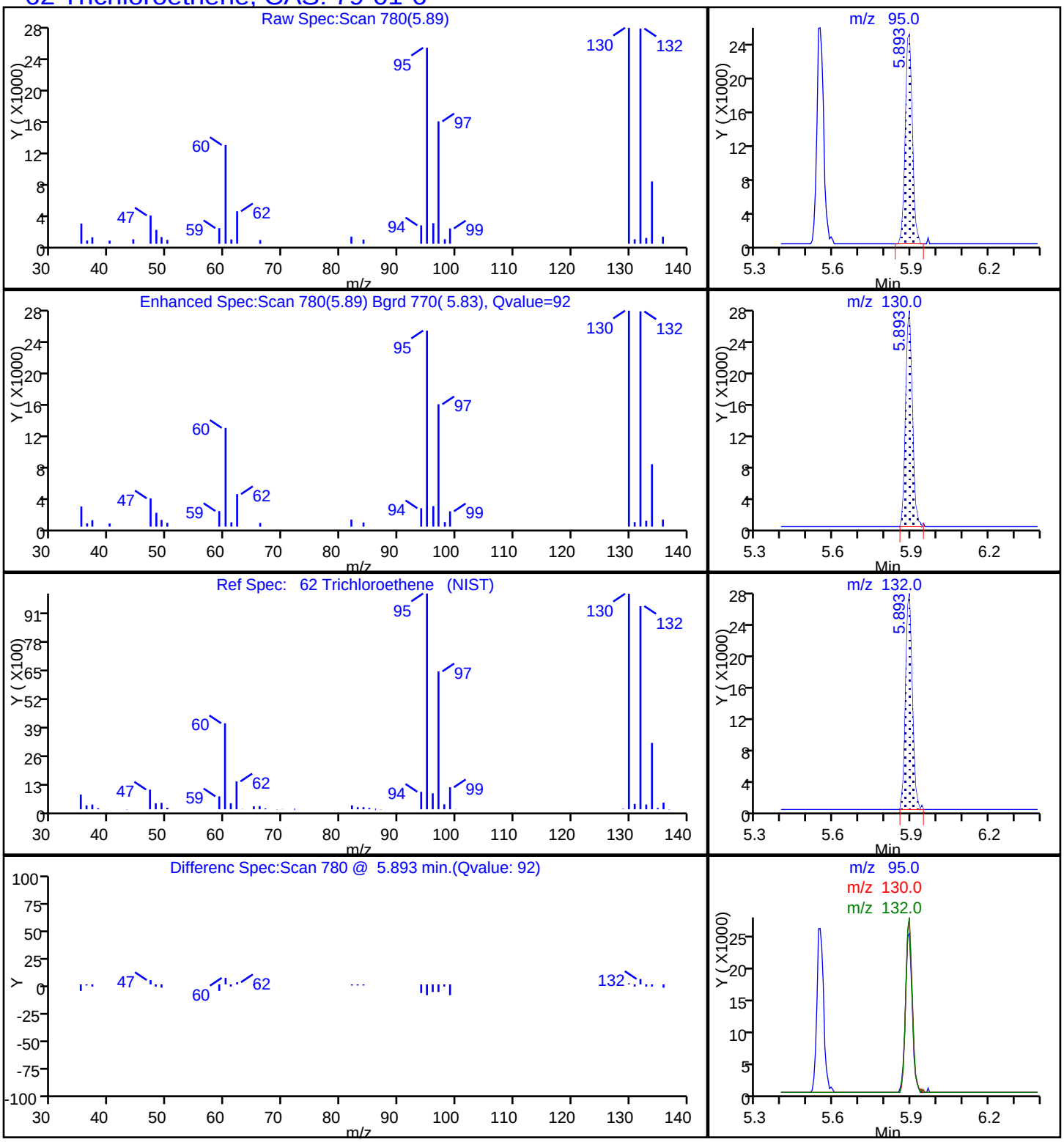
Report Date: 08-Jan-2018 14:14:42 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5968.D

Injection Date:	26-Dec-2017 23:55:30	Instrument ID:	HP5973S		
Lims ID:	480-129453-B-8	Lab Sample ID:	480-129453-8		
Client ID:	MW-46C-122117				
Operator ID:	AS	ALS Bottle#:	13	Worklist Smp#:	14
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



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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1 Analy Batch No.: 390433

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-390433/7	94698P.D
Level 2	IC 480-390433/8	94699P.D
Level 3	IC 480-390433/9	94700P.D
Level 4	IC 480-390433/10	94701P.D
Level 5	ICIS 480-390433/11	94702P.D
Level 6	IC 480-390433/12	94703P.D
Level 7	IC 480-390433/13	94704P.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 2.0325	1.5992 1.8155	1.7618	1.9143	1.8053	Ave		1.8214			0.1000	8.0		20.0			
Chloromethane	5.6878 5.8457	4.7668 5.7561	5.1518	5.8946	5.6504	Ave		5.5362			0.1000	7.6		20.0			
Vinyl chloride	2.5151 2.5503	2.1339 2.5850	2.3735	2.6241	2.3324	Ave		2.4449			0.1000	7.1		20.0			
Butadiene	+++++ 3.2978	2.7525 3.1068	2.7666	2.9373	2.8274	Ave		2.9481				7.3		20.0			
Bromomethane	+++++ 1.2340	1.2990 1.2803	1.3015	1.3341	1.2159	Ave		1.2775			0.1000	3.5		20.0			
Chloroethane	1.4018 1.4623	0.9616 1.5025	1.1729	1.3890	1.3460	Ave		1.3194			0.1000	14.4		20.0			
Dichlorofluoromethane	+++++ 3.4451	3.4209 3.4264	3.3734	3.4896	3.3180	Ave		3.4122				1.7		20.0			
Trichlorofluoromethane	+++++ 3.0190	2.5538 2.7291	2.7587	2.9080	2.6566	Ave		2.7709			0.1000	6.1		20.0			
Ethyl ether	+++++ 2.4438	2.4645 2.4793	2.4916	2.6108	2.4269	Ave		2.4861				2.6		20.0			
Acrolein	+++++ 0.4401	0.4091 0.4662	0.4665	0.4727	0.4388	Ave		0.4489				5.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.7699	1.5954 1.5977	1.5914	1.6449	1.5685	Ave		1.6280			0.1000	4.5		20.0			
1,1-Dichloroethene	+++++ 1.7006	1.0742 1.6423	1.8635	1.6001	1.6495	Lin1	-0.359	1.6704			0.1000				0.9990		0.9900
Acetone	1.4496 1.3869	1.7415 1.4346	1.5902	1.5207	1.4097	Ave		1.5047			0.1000	8.3		20.0			
Iodomethane	2.1109 2.8640	1.5756 2.7647	2.5929	2.9454	2.8026	Ave		2.5223				19.8		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
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1 Analy Batch No.: 390433

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl acetate	4.3365 3.4802	3.9146 3.6046	3.7718	3.8340	3.5347	Ave		3.7823			0.1000	7.7		20.0			
Carbon disulfide	+++++ 6.3924	6.0416 6.3880	6.4462	6.3689	6.1408	Ave		6.2963			0.1000	2.6		20.0			
Allyl chloride	+++++ 7.0666	7.1782 6.9673	6.8004	7.0960	6.7836	Ave		6.9820				2.3		20.0			
2-Methyl-2-propanol	+++++ 0.4150	0.3900 0.3731	0.4120	0.3706	0.3724	Ave		0.3889				5.2		20.0			
Methylene Chloride	2.1577 1.7416	2.5105 1.7506	1.8599	1.8198	1.7201	Ave		1.9372			0.1000	15.2		20.0			
Methyl tert-butyl ether	4.8675 4.9217	4.8209 5.0440	4.8702	5.1022	4.6924	Ave		4.9027			0.1000	2.8		20.0			
trans-1,2-Dichloroethene	+++++ 1.6235	1.5917 1.6343	1.7613	1.7299	1.6172	Ave		1.6597			0.1000	4.1		20.0			
Acrylonitrile	1.6129 1.6007	1.7921 1.6218	1.7630	1.7216	1.6256	Ave		1.6768				4.8		20.0			
Hexane	+++++ 4.3136	3.5814 3.9930	3.7538	4.0104	3.7212	Ave		3.8956				6.8		20.0			
Vinyl acetate	+++++ 9.2707	9.2262 9.1117	9.8885	10.047	9.5470	Ave		9.5153				4.0		20.0			
1,1-Dichloroethane	+++++ 4.0582	4.0407 4.1166	4.0516	4.1756	3.9731	Ave		4.0693			0.2000	1.7		20.0			
2-Butanone (MEK)	+++++ 2.2602	2.4318 2.3180	2.4477	2.4509	2.3216	Ave		2.3717			0.1000	3.5		20.0			
2,2-Dichloropropane	+++++ 1.9797	1.8544 1.9480	1.9392	2.1138	1.9274	Ave		1.9604				4.4		20.0			
cis-1,2-Dichloroethene	2.0842 1.8333	2.2509 1.8026	1.9840	1.9615	1.8126	Ave		1.9613			0.1000	8.4		20.0			
Chlorobromomethane	+++++ 0.8896	0.8919 0.8991	0.8036	0.9521	0.8670	Ave		0.8839				5.5		20.0			
Tetrahydrofuran	1.7616 1.5514	1.9393 1.5922	1.7248	1.6610	1.5832	Ave		1.6876				8.0		20.0			
Chloroform	+++++ 2.7318	2.7645 2.7414	2.8166	2.7827	2.6896	Ave		2.7544			0.2000	1.6		20.0			
1,1,1-Trichloroethane	+++++ 2.6110	2.5031 2.6125	2.5297	2.6762	2.5077	Ave		2.5734			0.1000	2.7		20.0			
Cyclohexane	5.9954 6.2695	5.2468 5.8378	5.5521	5.7429	5.4337	Ave		5.7255			0.1000	6.1		20.0			
1,1-Dichloropropene	+++++ 2.1914	1.8988 2.1852	2.1893	2.2714	2.0820	Ave		2.1364				6.1		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.: 480-129453-1 Analy Batch No.: 390433

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	+++++ 0.2694	0.2575 0.2465	0.2424	0.2302	0.2428	Ave		0.2481				5.5		20.0			
Carbon tetrachloride	+++++ 2.3643	2.1355 2.3436	2.1450	2.3210	2.2470	Ave		2.2594			0.1000	4.4		20.0			
Benzene	+++++ 6.2978	6.2789 6.2176	6.4076	6.4705	6.1619	Ave		6.3057			0.5000	1.8		20.0			
1,2-Dichloroethane	+++++ 3.3914	3.4610 3.4962	3.4824	3.6488	3.3840	Ave		3.4773			0.1000	2.8		20.0			
n-Heptane	+++++ 5.0569	3.7597 4.3185	4.4134	4.4847	4.1814	Ave		4.3691				9.7		20.0			
Trichloroethene	+++++ 1.7061	1.6897 1.7151	1.6501	1.7678	1.6412	Ave		1.6950			0.2000	2.7		20.0			
Methylcyclohexane	+++++ 2.5321	2.0746 2.3119	2.1640	2.3066	2.1592	Ave		2.2581			0.1000	7.2		20.0			
1,2-Dichloropropane	+++++ 2.3481	2.1509 2.4202	2.4111	2.4401	2.2925	Ave		2.3438			0.1000	4.7		20.0			
1,4-Dioxane	+++++ 0.0092	0.0052 0.0061	0.0074	0.0059	0.0067	Ave		0.0068				21.0	*	20.0			
Dibromomethane	+++++ 1.0898	1.1911 1.1237	1.1419	1.1637	1.0668	Ave		1.1295			0.1000	4.1		20.0			
Dichlorobromomethane	+++++ 2.2050	2.0143 2.2354	2.1398	2.2109	2.1224	Ave		2.1546			0.2000	3.8		20.0			
2-Chloroethyl vinyl ether	+++++ 1.6015	1.5261 1.7340	1.6318	1.6454	1.6236	Ave		1.6271				4.1		20.0			
cis-1,3-Dichloropropene	+++++ 2.6036	2.6818 2.7364	2.6063	2.6759	2.6063	Ave		2.6517			0.2000	2.1		20.0			
4-Methyl-2-pentanone (MIBK)	2.2415 2.1195	2.2198 2.0001	2.3358	2.3740	2.1833	Ave		2.2106			0.1000	5.7		20.0			
Toluene	+++++ 1.9407	1.8996 1.9622	1.8699	2.0275	1.9019	Ave		1.9336			0.4000	2.9		20.0			
Ethyl methacrylate	1.0075 0.9719	0.9890 1.0399	0.9564	1.0438	0.9661	Ave		0.9964				3.5		20.0			
trans-1,3-Dichloropropene	+++++ 1.1560	1.1184 1.1970	1.1356	1.1775	1.1138	Ave		1.1497			0.1000	2.9		20.0			
1,1,2-Trichloroethane	0.6330 0.5521	0.7019 0.5818	0.5686	0.5877	0.5545	Ave		0.5971			0.1000	9.0		20.0			
Tetrachloroethene	+++++ 0.8354	0.7384 0.8233	0.8102	0.9049	0.7770	Ave		0.8149			0.2000	6.9		20.0			
2-Hexanone	+++++ 1.5154	1.6105 1.5076	1.7158	1.6896	1.5851	Ave		1.6040			0.1000	5.4		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.: 480-129453-1 Analy Batch No.: 390433

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	+++++ 1.1426	1.1451 1.1731	1.2141	1.2263	1.1237	Ave		1.1708				3.5		20.0			
Chlorodibromomethane	+++++ 0.8440	0.8701 0.8789	0.8378	0.8630	0.8033	Ave		0.8495			0.1000	3.2		20.0			
Ethylene Dibromide	+++++ 0.7229	0.8113 0.7699	0.7484	0.7952	0.7181	Ave		0.7609				5.0		20.0			
Chlorobenzene	2.3146 2.2574	2.2676 2.2598	2.2661	2.3386	2.2233	Ave		2.2753			0.5000	1.7		20.0			
Ethylbenzene	3.4800 3.6082	3.4204 3.6283	3.5188	3.7537	3.5341	Ave		3.5634			0.1000	3.1		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.8047	0.7517 0.8132	0.8015	0.8448	0.7663	Ave		0.7970				4.2		20.0			
m-Xylene & p-Xylene	1.4021 1.4130	1.3144 1.4529	1.3413	1.5012	1.3541	Ave		1.3970			0.1000	4.7		20.0			
o-Xylene	+++++ 1.3652	1.3639 1.3926	1.3595	1.4573	1.3582	Ave		1.3828			0.3000	2.8		20.0			
Styrene	+++++ 2.4096	2.2398 2.4672	2.2933	2.4882	2.3841	Ave		2.3804			0.3000	4.1		20.0			
Bromoform	+++++ 0.6088	0.5731 0.6450	0.5687	0.6336	0.5887	Ave		0.6030			0.1000	5.2		20.0			
Isopropylbenzene	3.0384 3.1639	2.7859 3.1466	2.9902	3.1432	3.1019	Ave		3.0529			0.1000	4.4		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8350	0.8651 0.8823	0.8835	0.8668	0.8539	Ave		0.8645			0.3000	2.1		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.6136	0.6834 0.6504	0.5804	0.6198	0.6226	Ave		0.6284				5.6		20.0			
N-Propylbenzene	+++++ 3.7960	3.5268 3.7703	3.6701	3.7445	3.6584	Ave		3.6943				2.7		20.0			
Bromobenzene	0.9659 0.9304	0.9962 0.9301	0.9426	0.9487	0.9393	Ave		0.9505				2.5		20.0			
1,2,3-Trichloropropane	0.3044 0.2524	0.3486 0.2666	0.2794	0.2479	0.2656	Ave		0.2807				12.6		20.0			
1,3,5-Trimethylbenzene	2.6401 2.7057	2.4028 2.6958	2.4774	2.6538	2.6240	Ave		2.5999				4.4		20.0			
2-Chlorotoluene	+++++ 0.7952	0.7914 0.7924	0.7814	0.8254	0.7830	Ave		0.7948				2.0		20.0			
4-Chlorotoluene	+++++ 0.8458	0.8627 0.8410	0.8023	0.8405	0.8204	Ave		0.8355				2.5		20.0			
tert-Butylbenzene	+++++ 0.5871	0.5189 0.5766	0.5155	0.5624	0.5551	Ave		0.5526				5.4		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.: 480-129453-1 Analy Batch No.: 390433

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.6523 2.8633	2.4575 2.8415	2.7267	2.8135	2.7888	Ave		2.7348				5.2		20.0			
sec-Butylbenzene	3.2227 3.2444	2.8208 3.1763	3.0295	3.0940	3.0863	Ave		3.0963				4.7		20.0			
4-Isopropyltoluene	+++++ 2.9308	2.6991 2.8428	2.6167	2.8166	2.8311	Ave		2.7895				4.0		20.0			
1,3-Dichlorobenzene	+++++ 1.6751	1.6403 1.6814	1.6739	1.6974	1.6336	Ave		1.6670			0.6000	1.5		20.0			
1,4-Dichlorobenzene	+++++ 1.7382	1.6892 1.7331	1.7104	1.7090	1.6796	Ave		1.7099			0.5000	1.4		20.0			
n-Butylbenzene	+++++ 2.5080	2.3599 2.4546	2.3024	2.3831	2.3637	Ave		2.3953				3.1		20.0			
1,2-Dichlorobenzene	1.6399 1.6775	1.5045 1.6781	1.6653	1.6628	1.6550	Ave		1.6404			0.4000	3.7		20.0			
1,2-Dibromo-3-Chloropropane	0.3600 0.1886	0.2883 0.2035	0.2148	0.1872	0.1932	Lin1	0.0789	0.1957			0.0500				0.9980		0.9900
1,2,4-Trichlorobenzene	+++++ 1.1852	1.1186 1.1573	1.0791	1.1577	1.1521	Ave		1.1417			0.2000	3.3		20.0			
Hexachlorobutadiene	0.4278 0.4354	0.3433 0.4141	0.3824	0.4073	0.3950	Ave		0.4007				7.8		20.0			
Naphthalene	+++++ 3.3018	3.0992 3.3952	3.2281	3.2503	3.2436	Ave		3.2530				3.0		20.0			
1,2,3-Trichlorobenzene	1.1055 1.1388	1.0697 1.1094	1.0671	1.0809	1.0770	Ave		1.0926				2.4		20.0			
Dibromofluoromethane (Surr)	1.3974 1.3814	1.3696 1.3361	1.3488	1.3902	1.3457	Ave		1.3670				1.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8730 0.8767	0.9064 0.8878	0.9048	0.9240	0.8889	Ave		0.8945				2.0		20.0			
Toluene-d8 (Surr)	2.3355 2.3199	2.3367 2.3133	2.3141	2.3730	2.2977	Ave		2.3272				1.0		20.0			
4-Bromofluorobenzene (Surr)	0.8175 0.8453	0.8233 0.8271	0.8232	0.8377	0.8085	Ave		0.8261				1.5		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1 Analy Batch No.: 390433

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-390433/7	94698P.D
Level 2	IC 480-390433/8	94699P.D
Level 3	IC 480-390433/9	94700P.D
Level 4	IC 480-390433/10	94701P.D
Level 5	ICIS 480-390433/11	94702P.D
Level 6	IC 480-390433/12	94703P.D
Level 7	IC 480-390433/13	94704P.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 862227	12555 1580647	68643	153785	370492	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloromethane	FB	Ave	22203 2479822	37422 5011496	200729	473557	1159562	0.500 50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	FB	Ave	9818 1081867	16752 2250636	92476	210811	478659	0.500 50.0	1.00 100	5.00	10.0	25.0
Butadiene	FB	Ave	+++++ 1398958	21609 2704898	107794	235977	580241	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	FB	Ave	+++++ 523476	10198 1114688	50709	107177	249522	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloroethane	FB	Ave	5472 620308	7549 1308130	45698	111584	276217	0.500 50.0	1.00 100	5.00	10.0	25.0
Dichlorofluoromethane	FB	Ave	+++++ 1461436	26856 2983185	131435	280341	680918	+++++ 50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	FB	Ave	+++++ 1280679	20049 2376087	107488	233623	545185	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl ether	FB	Ave	+++++ 1036671	19348 2158588	97079	209744	498044	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acrolein	FB	Ave	+++++ 933556	16057 2029433	90884	189887	450272	+++++ 250	5.00 500	25.0	50.0	125
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 750809	12525 1391030	62006	132150	321890	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethene	FB	Lin1	+++++ 721413	8433 1429852	72608	128543	338517	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acetone	FB	Ave	28294 2941648	68357 6245064	309796	610824	1446520	2.50 250	5.00 500	25.0	50.0	125
Iodomethane	FB	Ave	8240 1214945	12369 2407088	101025	236621	575150	0.500 50.0	1.00 100	5.00	10.0	25.0
Methyl acetate	FB	Ave	33856 2952634	61463 6276652	293916	616015	1450793	1.00 100	2.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1 Analy Batch No.: 390433

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Carbon disulfide	FB	Ave	+++++ 2711710	47430 5561692	251160	511657	1260216	+++++ 50.0	1.00 100	5.00	10.0	25.0
Allyl chloride	FB	Ave	+++++ 2997703	56353 6066049	264960	570071	1392118	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Methyl-2-propanol	FB	Ave	+++++ 1760629	30619 3248456	160519	297745	764262	+++++ 500	10.0 1000	50.0	100	250
Methylene Chloride	FB	Ave	8423 738784	19709 1524145	72467	146193	353004	0.500 50.0	1.00 100	5.00	10.0	25.0
Methyl tert-butyl ether	FB	Ave	19001 2087844	37847 4391530	189757	409894	962961	0.500 50.0	1.00 100	5.00	10.0	25.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 688695	12496 1422858	68624	138978	331888	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acrylonitrile	FB	Ave	62962 6790399	140688 14119806	686897	1383112	3336086	5.00 500	10.0 1000	50.0	100	250
Hexane	FB	Ave	+++++ 1829886	28116 3476498	146259	322184	763670	+++++ 50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	FB	Ave	+++++ 7865448	144862 15866194	770566	1614360	3918433	+++++ 100	2.00 200	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1721538	31722 3584078	157860	335458	815347	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	FB	Ave	+++++ 4793941	95453 10090831	476836	984502	2382230	+++++ 250	5.00 500	25.0	50.0	125
2,2-Dichloropropane	FB	Ave	+++++ 839791	14558 1695984	75555	169817	395547	+++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	FB	Ave	8136 777720	17671 1569420	77300	157579	371972	0.500 50.0	1.00 100	5.00	10.0	25.0
Chlorobromomethane	FB	Ave	+++++ 377384	7002 782787	31311	76489	177931	+++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	FB	Ave	13753 1316281	30449 2772574	134407	266872	649815	1.00 100	2.00 200	10.0	20.0	50.0
Chloroform	FB	Ave	+++++ 1158873	21703 2386775	109742	223552	551955	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	FB	Ave	+++++ 1107592	19651 2274608	98562	214999	514629	+++++ 50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	FB	Ave	23404 2659587	41190 5082646	216326	461367	1115098	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloropropene	FB	Ave	+++++ 929631	14907 1902537	85302	182475	427269	+++++ 50.0	1.00 100	5.00	10.0	25.0
Isobutyl alcohol	FB	Ave	+++++ 2857566	50545 5364620	236070	462256	1245892	+++++ 1250	25.0 2500	125	250	625
Carbon tetrachloride	FB	Ave	+++++ 1002957	16765 2040427	83575	186463	461137	+++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1 Analy Batch No.: 390433

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	+++++ 2671576	49293 5413376	249655	519817	1264530	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloroethane	FB	Ave	+++++ 1438672	27171 3043946	135685	293135	694453	+++++ 50.0	1.00 100	5.00	10.0	25.0
n-Heptane	FB	Ave	+++++ 2145205	29516 3759900	171958	360287	858094	+++++ 50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	FB	Ave	+++++ 723743	13265 1493267	64294	142017	336811	+++++ 50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	FB	Ave	+++++ 1074157	16287 2012875	84317	185305	443113	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	FB	Ave	+++++ 996081	16886 2107142	93943	196033	470469	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 167423	1758 229517	12605	20224	59291	+++++ 1000	20.0 2000	100	200	500
Dibromomethane	FB	Ave	+++++ 462295	9351 978386	44491	93488	218930	+++++ 50.0	1.00 100	5.00	10.0	25.0
Dichlorobromomethane	FB	Ave	+++++ 935377	15813 1946285	83373	177616	435560	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 679393	11981 1509739	63578	132185	333203	+++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 1104473	21054 2382441	101548	214971	534865	+++++ 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	95226 9617177	187595 18681647	997437	2035432	4856317	2.50 250	5.00 500	25.0	50.0	125
Toluene	CBNZ d5	Ave	+++++ 1761188	32107 3665521	159699	347660	846077	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBNZ d5	Ave	8560 882027	16716 1942627	81678	178983	429771	0.500 50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1049077	18904 2236101	96982	201912	495491	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBNZ d5	Ave	5378 501077	11863 1086779	48560	100769	246674	0.500 50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 758126	12481 1537979	69192	155163	345675	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBNZ d5	Ave	+++++ 6876165	136108 14081437	732678	1448659	3525833	+++++ 250	5.00 500	25.0	50.0	125
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 1036950	19355 2191450	103689	210285	499885	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chlorodibromomethane	CBNZ d5	Ave	+++++ 765958	14706 1641826	71552	147984	357366	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 655998	13712 1438270	63917	136352	319448	+++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1 Analy Batch No.: 390433

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	19666 2048630	38328 4221459	193533	401020	989063	0.500 50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBNZ d5	Ave	29568 3274485	57812 6777852	300525	643673	1572187	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 730261	12705 1519150	68452	144857	340887	+++++ 50.0	1.00 100	5.00	10.0	25.0
m-Xylene & p-Xylene	CBNZ d5	Ave	11913 1282313	22216 2714193	114553	257412	602384	0.500 50.0	1.00 100	5.00	10.0	25.0
o-Xylene	CBNZ d5	Ave	+++++ 1238961	23053 2601528	116109	249901	604232	+++++ 50.0	1.00 100	5.00	10.0	25.0
Styrene	CBNZ d5	Ave	+++++ 2186733	37857 4608861	195858	426674	1060626	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBNZ d5	Ave	+++++ 552444	9686 1204827	48571	108651	261897	+++++ 50.0	1.00 100	5.00	10.0	25.0
Isopropylbenzene	DCBd 4	Ave	28540 3117862	52804 6456573	285037	622933	1492769	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 822889	16397 1810492	84219	171789	410940	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 604692	12953 1334595	55330	122830	299611	+++++ 50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCBd 4	Ave	+++++ 3740819	66847 7736436	349847	742087	1760534	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromobenzene	DCBd 4	Ave	9073 916880	18881 1908567	89851	188022	452008	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCBd 4	Ave	2859 248708	6607 547085	26638	49129	127809	0.500 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	24799 2666333	45543 5531632	236152	525935	1262753	0.500 50.0	1.00 100	5.00	10.0	25.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 783659	15001 1625900	74483	163586	376791	+++++ 50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 833520	16351 1725673	76480	166581	394784	+++++ 50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 578541	9835 1183248	49137	111448	267140	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	24914 2821686	46579 5830509	259915	557589	1342054	0.500 50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCBd 4	Ave	30271 3197271	53465 6517554	288778	613176	1485223	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 2888149	51159 5833334	249436	558198	1362406	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 1650785	31090 3450226	159562	336388	786137	+++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1 Analy Batch No.: 390433

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 1712928	32017 3556190	163037	338700	808283	+++++ 50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCBd 4	Ave	+++++ 2471578	44729 5036674	219472	472279	1137489	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCBd 4	Ave	15404 1653061	28516 3443285	158741	329539	796466	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Lin1	3382 185828	5464 417517	20475	37099	92991	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 1167921	21201 2374822	102864	229443	554438	+++++ 50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCBd 4	Ave	4018 429109	6506 849658	36450	80723	190099	0.500 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCBd 4	Ave	+++++ 3253792	58742 6966696	307716	644162	1560934	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	10384 1122275	20275 2276429	101723	214210	518289	0.500 50.0	1.00 100	5.00	10.0	25.0
Dibromofluoromethane (Surr)	FB	Ave	272750 292998	268794 290809	262758	279220	276164	25.0 25.0	25.0 25.0	25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	170402 185958	177884 193241	176262	185582	182413	25.0 25.0	25.0 25.0	25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	992169 1052671	987387 1080364	988196	1017270	1022158	25.0 25.0	25.0 25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	347287 383554	347873 386271	351506	359107	359663	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\HP5973P\20171205-67727.b\94698P.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Dec-2017 13:31:30 ALS Bottle#: 100 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 480-0067727-007
Operator ID: RF/RB Instrument ID: HP5973P
Sublist: chrom-P-8260H2O*sub11

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2017 12:17:40 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: baroner Date: 06-Dec-2017 09:01:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.434	10.427	0.007	96	195182	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	92	424827	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.339	17.338	0.001	94	469659	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	9.631	9.631	0.000	93	272750	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	10.087	10.081	0.006	0	170402	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	12.423	12.417	0.006	95	992169	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.879	15.878	0.000	89	347287	25.0	24.7	
10 Dichlorodifluoromethane	85	4.344	4.332	0.012	1	6008	0.5000	0.4225	M
11 Chloromethane	50	4.764	4.752	0.012	60	22203	0.5000	0.5137	M
17 Vinyl chloride	62	4.952	4.952	0.000	7	9818	0.5000	0.5144	
144 Butadiene	54	4.989	5.013	-0.024	48	8133	0.5000	0.3534	
12 Bromomethane	94	5.585	5.591	-0.006	10	5587	0.5000	0.5602	M
13 Chloroethane	64	5.713	5.713	0.000	30	5472	0.5000	0.5312	
19 Dichlorofluoromethane	67	6.017	6.029	-0.012	26	12371	0.5000	0.4644	
14 Trichlorofluoromethane	101	6.078	6.078	0.000	51	7832	0.5000	0.3620	
20 Ethyl ether	59	6.388	6.388	0.000	54	9117	0.5000	0.4697	
22 Acrolein	56	6.692	6.698	-0.006	53	8226	2.50	2.35	
16 1,1,2-Trichloro-1,2,2-trif	101	6.753	6.747	0.006	38	6958	0.5000	0.5474	
25 1,1-Dichloroethene	96	6.838	6.832	0.006	61	10523	0.5000	1.02	
24 Acetone	43	6.881	6.887	-0.006	80	28294	2.50	2.41	
18 Iodomethane	142	7.136	7.136	0.000	68	8240	0.5000	0.4184	
30 Methyl acetate	43	7.258	7.252	0.006	93	33856	1.00	1.15	
27 Carbon disulfide	76	7.252	7.258	-0.006	41	15554	0.5000	0.3164	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	94	33204	0.5000	0.6091	
33 2-Methyl-2-propanol	59	7.501	7.495	0.006	65	13997	5.00	4.61	
31 Methylene Chloride	84	7.514	7.513	0.001	80	8423	0.5000	0.5569	
32 Methyl tert-butyl ether	73	7.684	7.684	0.000	75	19001	0.5000	0.4964	
35 trans-1,2-Dichloroethene	96	7.775	7.781	-0.006	84	9202	0.5000	0.7102	
34 Acrylonitrile	53	7.818	7.812	0.006	94	62962	5.00	4.81	
36 Hexane	57	7.976	7.976	0.000	95	18241	0.5000	0.5998	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.280	8.274	0.006	94	81520	1.00	1.10	
40 1,1-Dichloroethane	63	8.329	8.335	-0.006	94	15439	0.5000	0.4860	
44 2-Butanone (MEK)	43	9.022	9.016	0.006	94	49716	2.50	2.68	
45 2,2-Dichloropropane	77	9.028	9.034	-0.006	53	8657	0.5000	0.5656	
43 cis-1,2-Dichloroethene	96	9.059	9.053	0.006	88	8136	0.5000	0.5313	
50 Chlorobromomethane	128	9.387	9.381	0.006	75	3997	0.5000	0.5792	
51 Tetrahydrofuran	42	9.387	9.399	-0.012	66	13753	1.00	1.04	
49 Chloroform	83	9.418	9.412	0.006	64	11192	0.5000	0.5204	
52 1,1,1-Trichloroethane	97	9.643	9.655	-0.012	35	10759	0.5000	0.5355	
54 Cyclohexane	56	9.685	9.691	-0.006	81	23404	0.5000	0.5236	
56 1,1-Dichloropropene	75	9.838	9.825	0.013	63	7043	0.5000	0.4223	
55 Carbon tetrachloride	117	9.844	9.843	0.001	37	7517	0.5000	0.4261	
53 Isobutyl alcohol	43	9.850	9.843	0.007	83	15586	12.5	8.05	
57 Benzene	78	10.117	10.123	-0.006	39	25148	0.5000	0.5108	
60 1,2-Dichloroethane	62	10.178	10.184	-0.006	78	14322	0.5000	0.5275	
59 n-Heptane	43	10.178	10.184	-0.006	88	22444	0.5000	0.6580	
62 Trichloroethene	95	10.872	10.878	-0.006	90	6323	0.5000	0.4778	
64 Methylcyclohexane	83	11.085	11.078	0.007	83	8125	0.5000	0.4609	
63 1,2-Dichloropropane	63	11.225	11.224	0.001	89	11195	0.5000	0.6118	
68 1,4-Dioxane	88	11.334	11.340	-0.006	1	573	10.0	4.99	M
69 Dibromomethane	93	11.425	11.425	0.000	58	4650	0.5000	0.5273	
70 Dichlorobromomethane	83	11.565	11.559	0.006	42	9489	0.5000	0.5641	
71 2-Chloroethyl vinyl ether	63	11.815	11.808	0.007	39	6947	0.5000	0.5469	
73 cis-1,3-Dichloropropene	75	12.082	12.088	-0.006	66	9508	0.5000	0.4593	
75 4-Methyl-2-pentanone (MIBK	43	12.198	12.192	0.006	94	95226	2.50	2.54	
76 Toluene	92	12.514	12.514	0.000	93	17936	0.5000	0.5459	
77 Ethyl methacrylate	69	12.739	12.733	0.006	79	8560	0.5000	0.5056	
78 trans-1,3-Dichloropropene	75	12.812	12.806	0.006	86	10467	0.5000	0.5357	
79 1,1,2-Trichloroethane	83	13.080	13.092	-0.012	28	5378	0.5000	0.5301	
80 Tetrachloroethene	166	13.256	13.238	0.018	24	8191	0.5000	0.5915	
83 2-Hexanone	43	13.287	13.281	0.006	94	61836	2.50	2.27	
82 1,3-Dichloropropane	76	13.323	13.329	-0.006	77	8667	0.5000	0.4356	
81 Chlorodibromomethane	129	13.664	13.664	0.000	1	6491	0.5000	0.4496	
85 Ethylene Dibromide	107	13.859	13.865	-0.006	84	7410	0.5000	0.5730	
87 Chlorobenzene	112	14.425	14.418	0.007	90	19666	0.5000	0.5086	
89 Ethylbenzene	91	14.461	14.467	-0.006	91	29568	0.5000	0.4883	
88 1,1,1,2-Tetrachloroethane	131	14.504	14.504	0.000	84	7597	0.5000	0.5609	
90 m-Xylene & p-Xylene	106	14.601	14.601	0.000	0	11913	0.5000	0.5018	
93 o-Xylene	106	15.155	15.148	0.007	94	11291	0.5000	0.4805	
94 Styrene	104	15.173	15.173	0.000	89	18806	0.5000	0.4649	
92 Bromoform	173	15.568	15.568	0.000	45	4139	0.5000	0.4040	
95 Isopropylbenzene	105	15.574	15.580	-0.006	95	28540	0.5000	0.4976	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	32	7604	0.5000	0.4682	
98 trans-1,4-Dichloro-2-buten	53	16.098	16.097	0.001	44	4925	0.5000	0.4172	
99 N-Propylbenzene	91	16.098	16.103	-0.005	96	38596	0.5000	0.5561	
100 Bromobenzene	156	16.122	16.128	-0.006	74	9073	0.5000	0.5081	
101 1,2,3-Trichloropropane	110	16.146	16.140	0.006	36	2859	0.5000	0.5422	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	89	24799	0.5000	0.5077	
103 2-Chlorotoluene	126	16.317	16.310	0.007	82	9349	0.5000	0.6261	
105 4-Chlorotoluene	126	16.432	16.438	-0.006	95	6468	0.5000	0.4121	
106 tert-Butylbenzene	134	16.730	16.736	-0.006	94	6070	0.5000	0.5847	
107 1,2,4-Trimethylbenzene	105	16.791	16.797	-0.006	96	24914	0.5000	0.4849	

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	16.998	16.998	0.000	95	30271	0.5000	0.5204	
112 4-Isopropyltoluene	119	17.144	17.144	0.000	93	22144	0.5000	0.4226	
110 1,3-Dichlorobenzene	146	17.266	17.265	0.001	96	14815	0.5000	0.4731	
111 1,4-Dichlorobenzene	146	17.375	17.369	0.006	16	17831	0.5000	0.5551	
115 n-Butylbenzene	91	17.655	17.661	-0.006	96	23895	0.5000	0.5310	
116 1,2-Dichlorobenzene	146	17.868	17.868	0.000	91	15404	0.5000	0.4998	
117 1,2-Dibromo-3-Chloropropan	75	18.902	18.914	-0.012	1	3382	0.5000	0.5167	
119 1,2,4-Trichlorobenzene	180	20.021	20.021	0.000	38	9785	0.5000	0.4562	
120 Hexachlorobutadiene	225	20.143	20.143	0.000	4	4018	0.5000	0.5337	
121 Naphthalene	128	20.466	20.472	-0.006	66	28915	0.5000	0.4731	
122 1,2,3-Trichlorobenzene	180	20.837	20.849	-0.012	52	10384	0.5000	0.5059	
S 123 1,2-Dichloroethene, Total	1				0			1.24	
S 124 1,3-Dichloropropene, Total	1				0			1.00	
S 125 Total BTEX	1				0			2.53	
S 126 Xylenes, Total	1				0			0.9823	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00116	Amount Added:	0.50	Units: uL	
GAS CORP mix_00253	Amount Added:	0.50	Units: uL	
P 8260 IS_00247	Amount Added:	1.25	Units: uL	Run Reagent
P 8260 Surr._00242	Amount Added:	1.25	Units: uL	Run Reagent

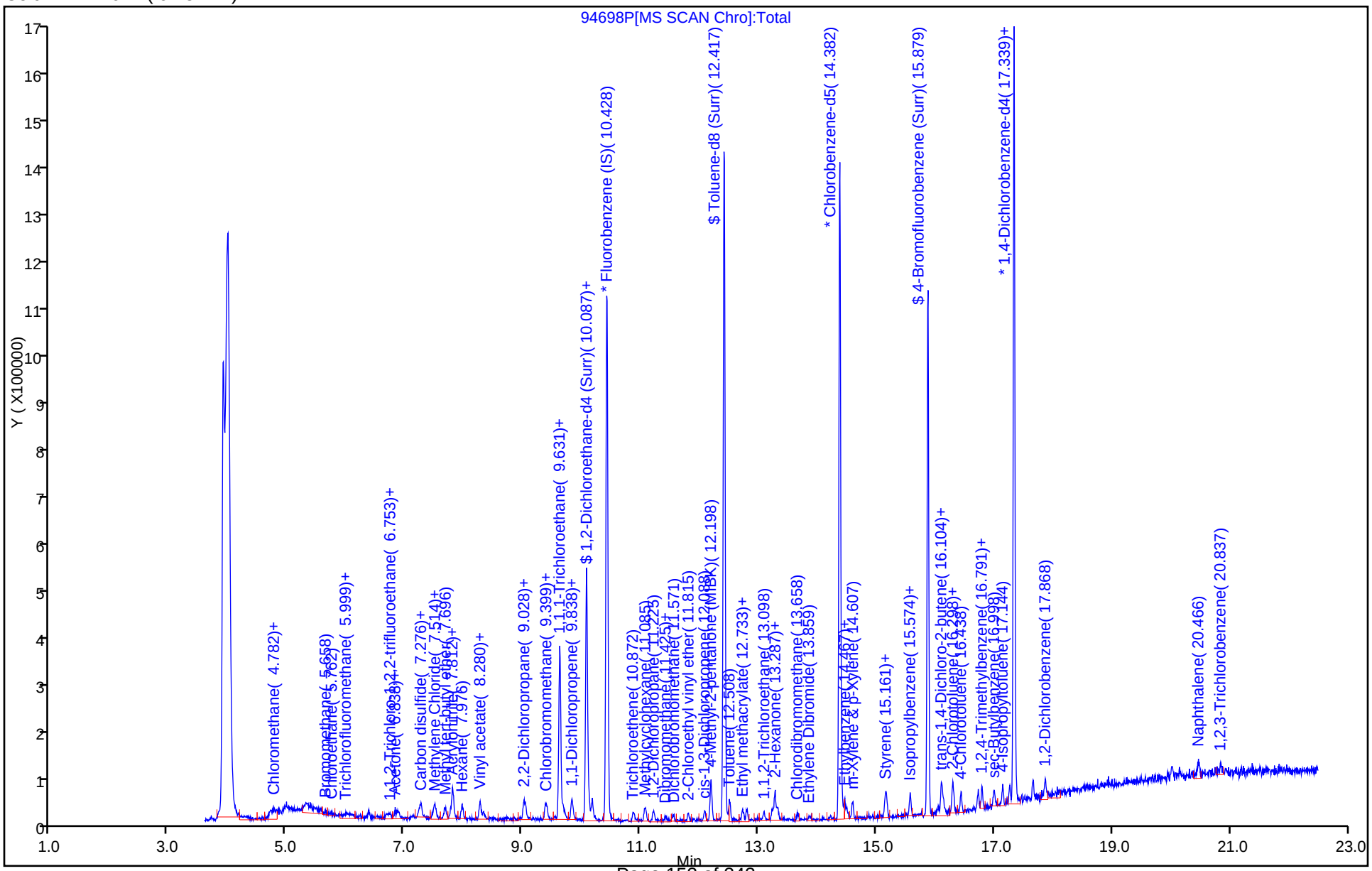
Report Date: 06-Dec-2017 12:17:42 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94698P.D

Injection Date:	05-Dec-2017 13:31:30	Instrument ID:	HP5973P	Operator ID:	RF/RB
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	100
Method:	P-8260H2O	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

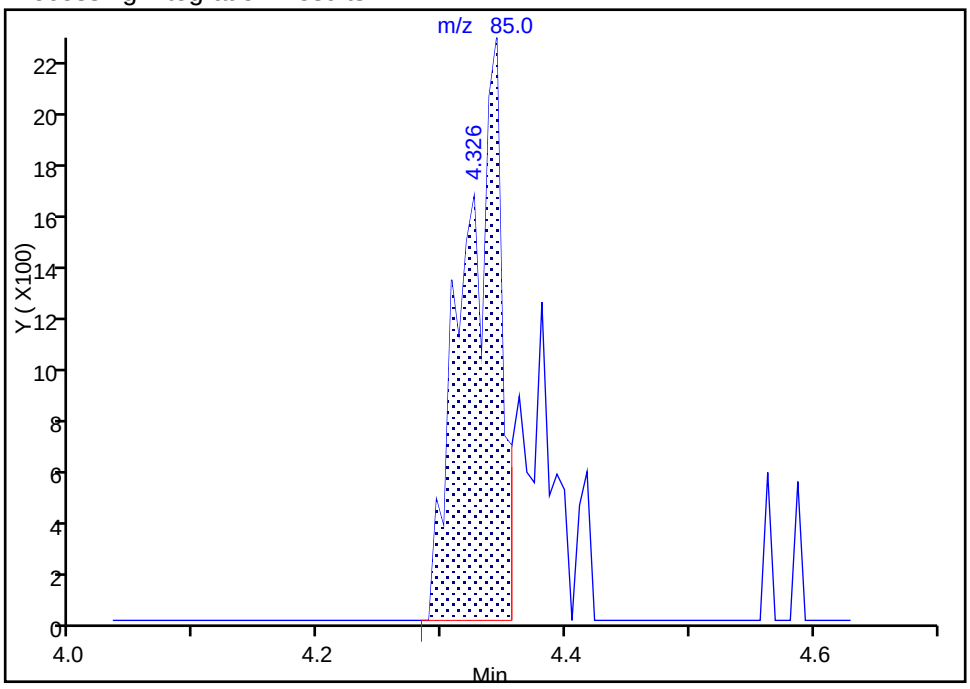
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94698P.D
Injection Date: 05-Dec-2017 13:31:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

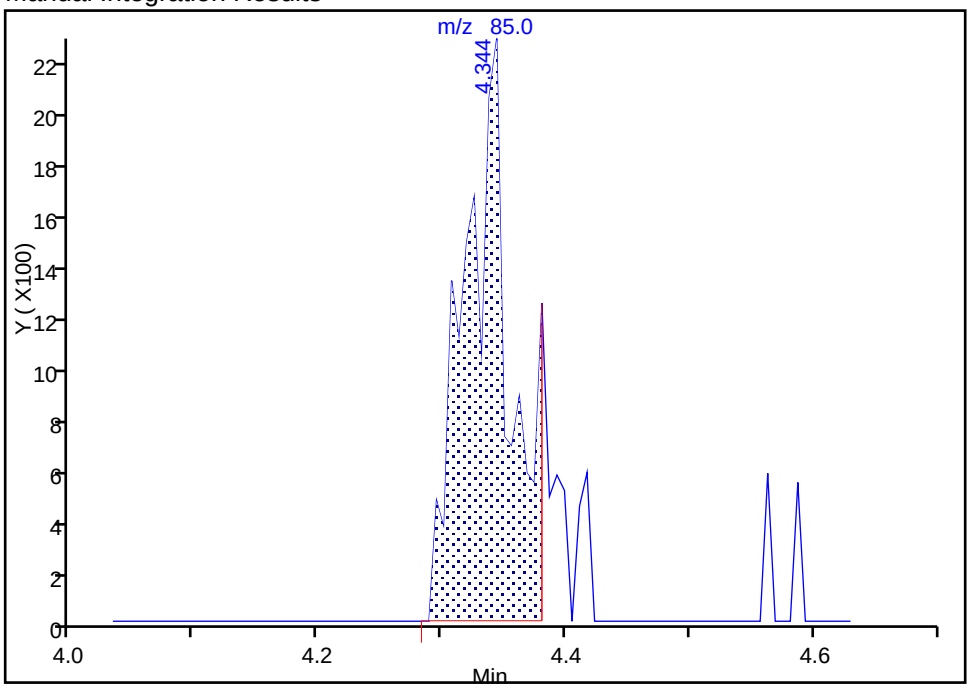
Processing Integration Results

RT: 4.33
Area: 4829
Amount: 0.331493
Amount Units: ug/L



Manual Integration Results

RT: 4.34
Area: 6008
Amount: 0.422489
Amount Units: ug/L



Reviewer: baroner, 06-Dec-2017 08:53:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

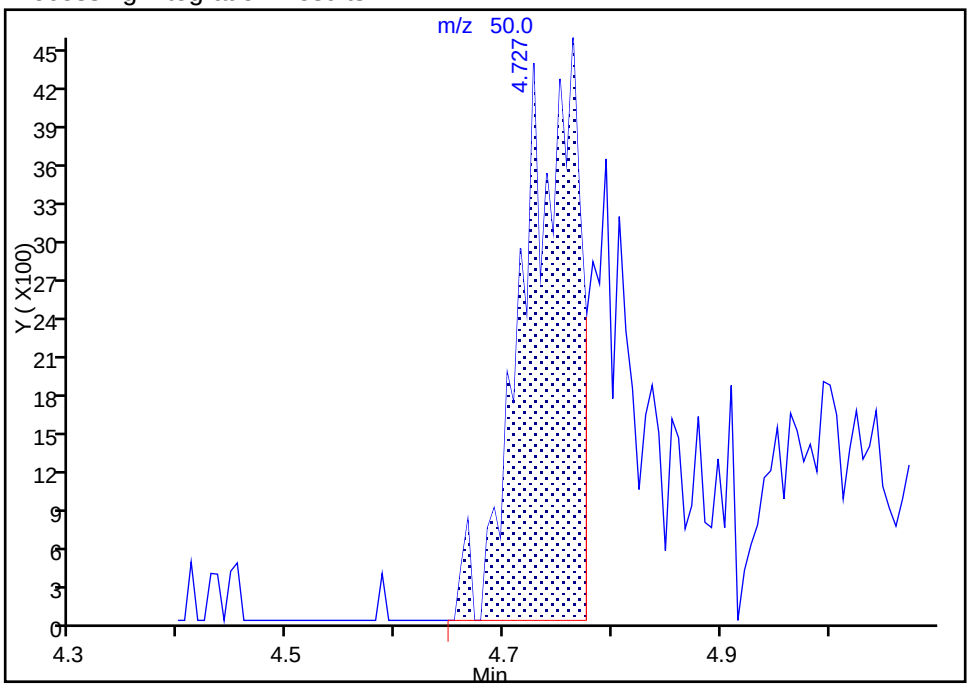
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94698P.D
Injection Date: 05-Dec-2017 13:31:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

11 Chloromethane, CAS: 74-87-3

Signal: 1

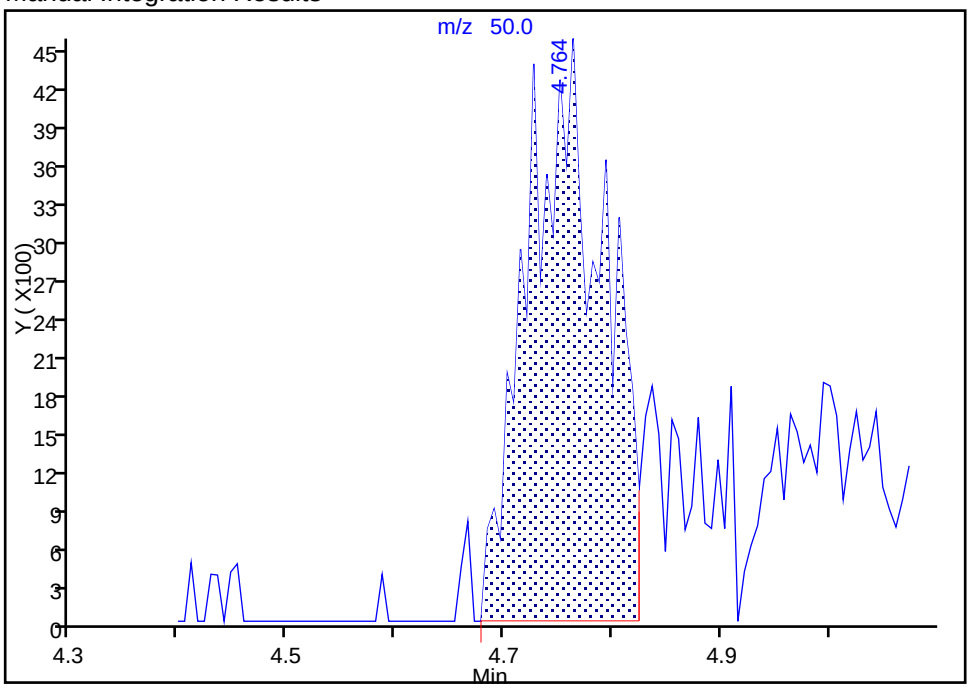
Processing Integration Results

RT: 4.73
Area: 15782
Amount: 0.381319
Amount Units: ug/L



Manual Integration Results

RT: 4.76
Area: 22203
Amount: 0.513691
Amount Units: ug/L



Reviewer: baroner, 06-Dec-2017 08:54:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

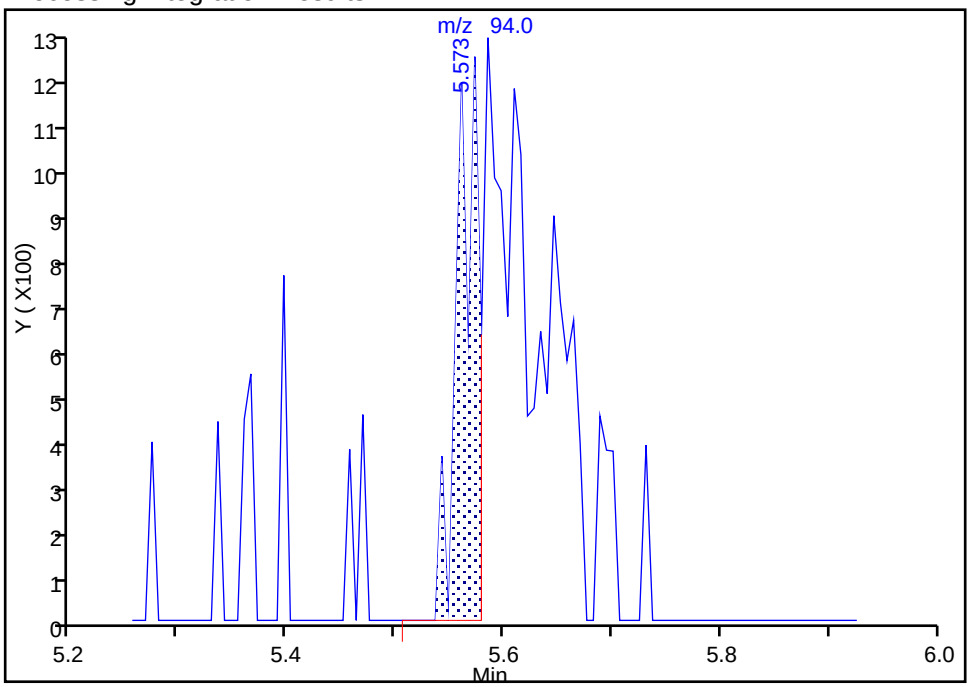
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94698P.D
Injection Date: 05-Dec-2017 13:31:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

12 Bromomethane, CAS: 74-83-9

Signal: 1

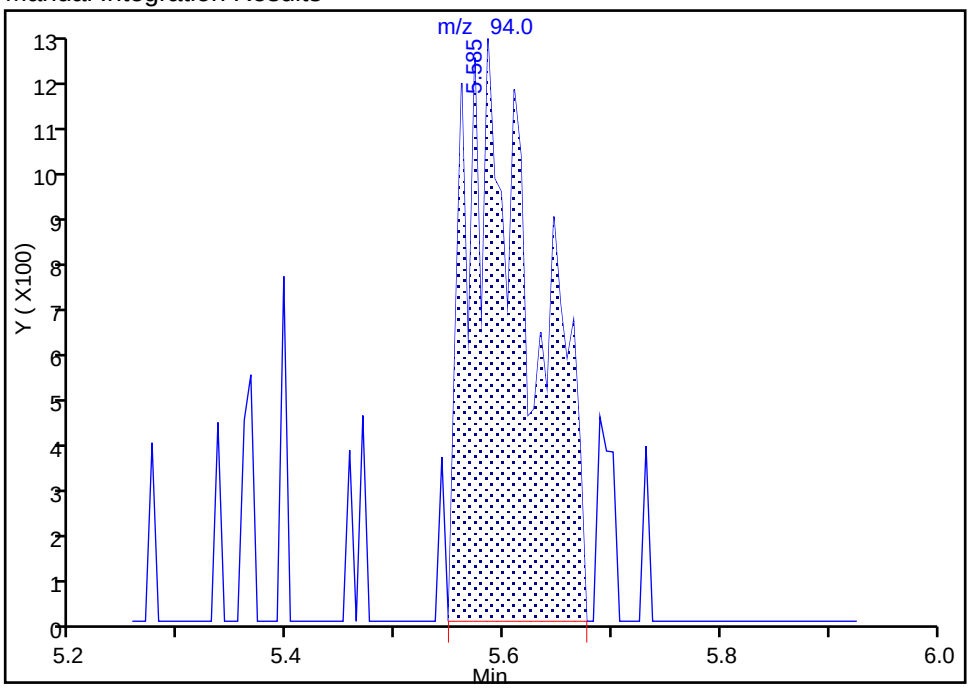
Processing Integration Results

RT: 5.57
Area: 1655
Amount: 0.171153
Amount Units: ug/L



Manual Integration Results

RT: 5.59
Area: 5587
Amount: 0.560184
Amount Units: ug/L



Reviewer: baroner, 06-Dec-2017 08:57:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

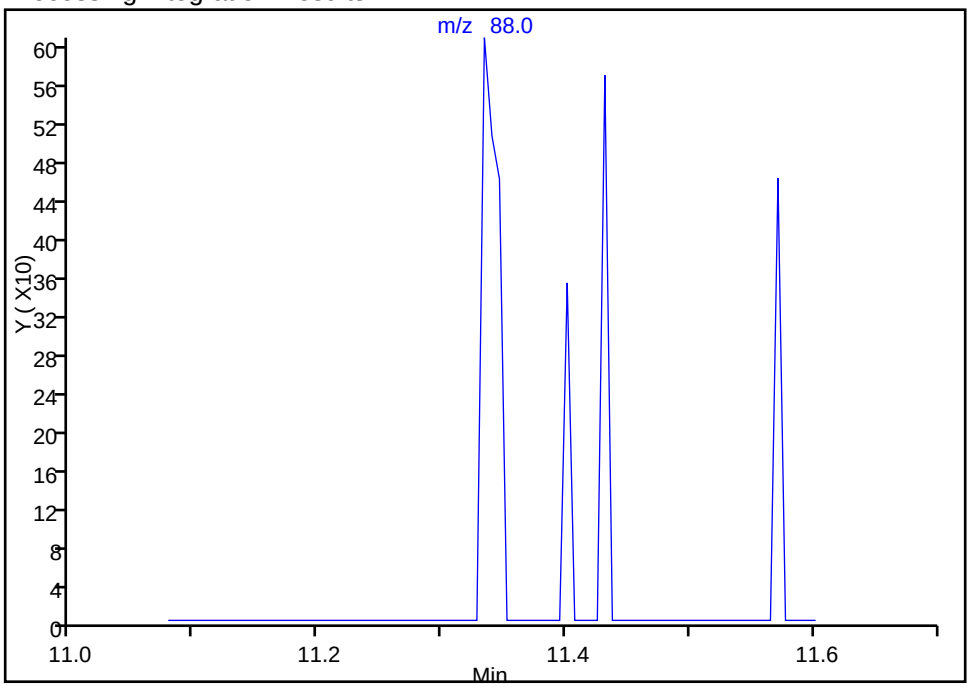
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94698P.D
Injection Date: 05-Dec-2017 13:31:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

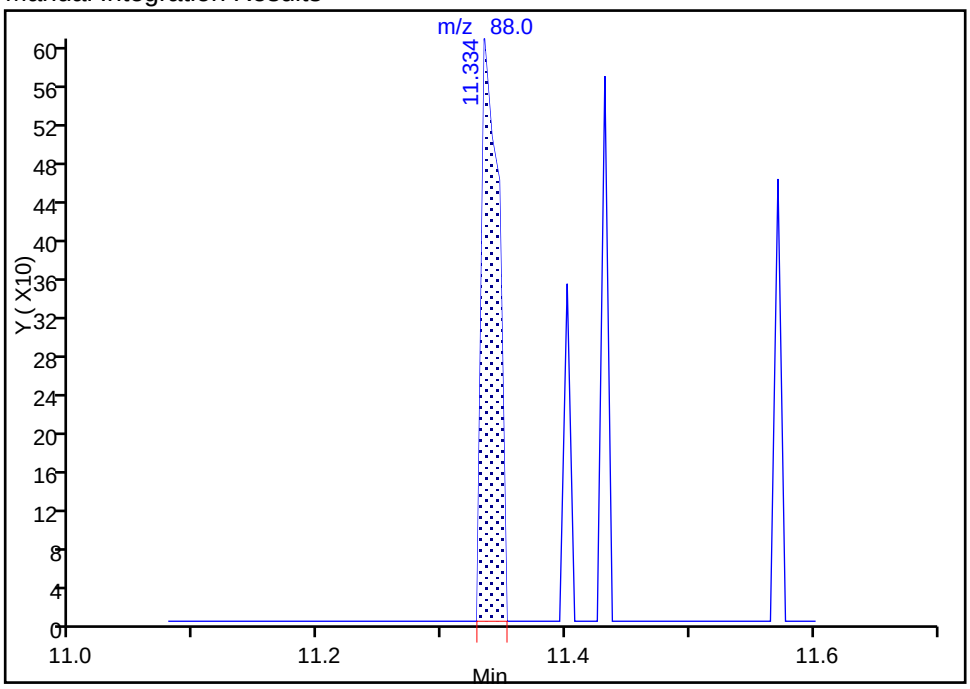
Not Detected
Expected RT: 11.34

Processing Integration Results



Manual Integration Results

RT: 11.33
Area: 573
Amount: 4.994446
Amount Units: ug/L



Reviewer: baroner, 06-Dec-2017 08:59:18
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

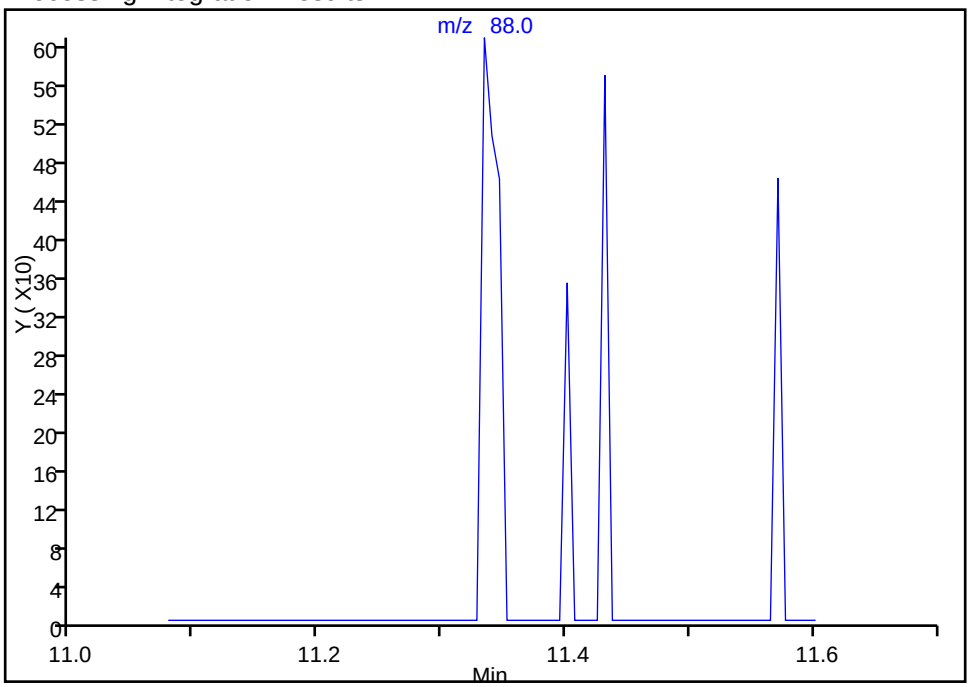
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94698P.D
Injection Date: 05-Dec-2017 13:31:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

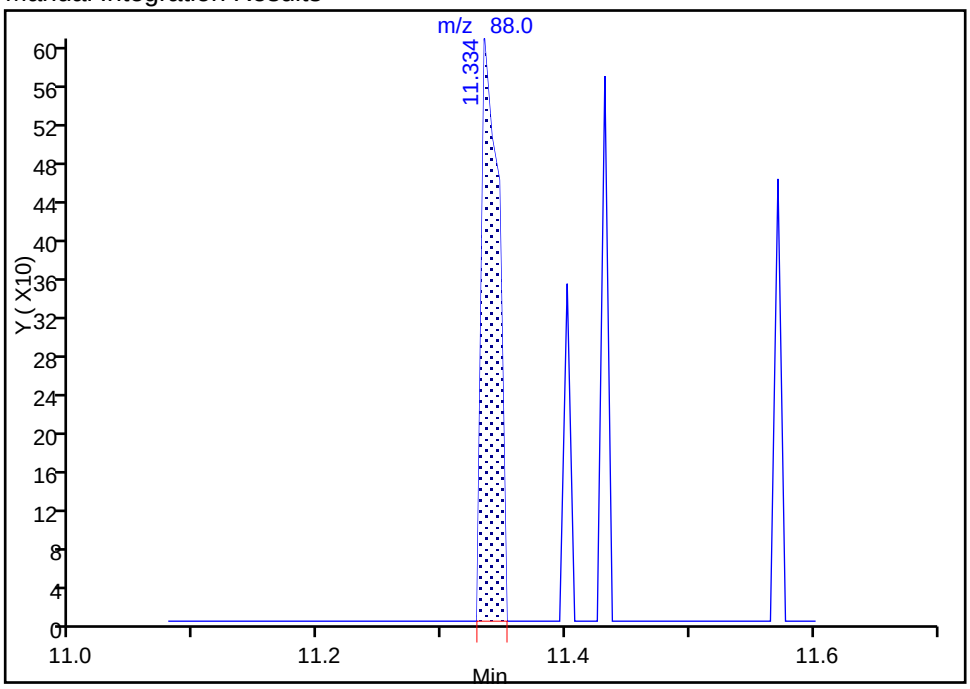
Not Detected
Expected RT: 11.34

Processing Integration Results



Manual Integration Results

RT: 11.33
Area: 573
Amount: 4.994446
Amount Units: ug/L



Reviewer: baroner, 06-Dec-2017 08:59:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

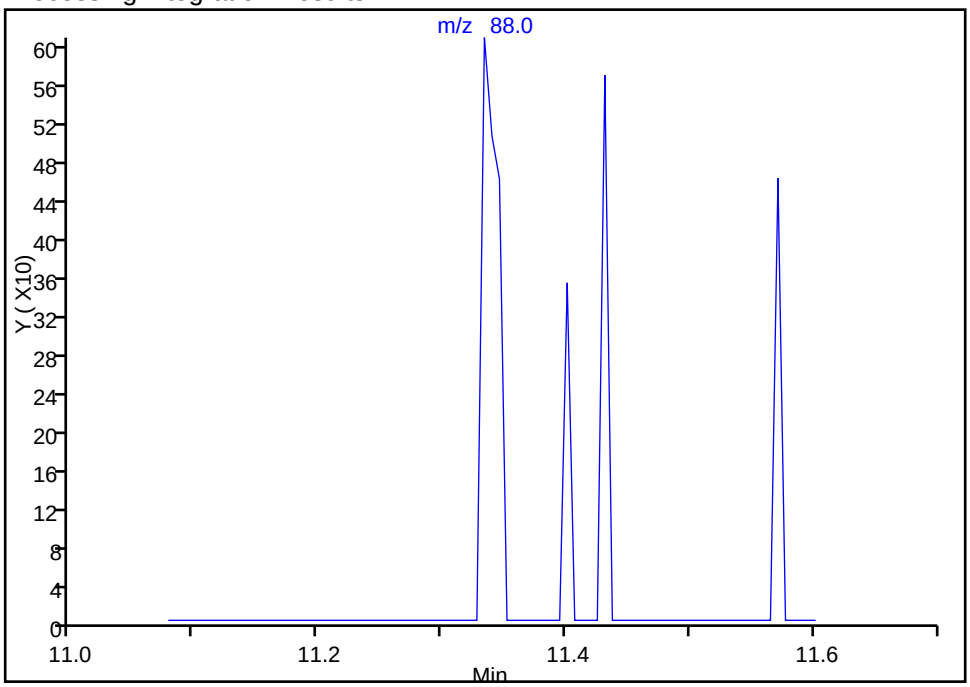
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94698P.D
Injection Date: 05-Dec-2017 13:31:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

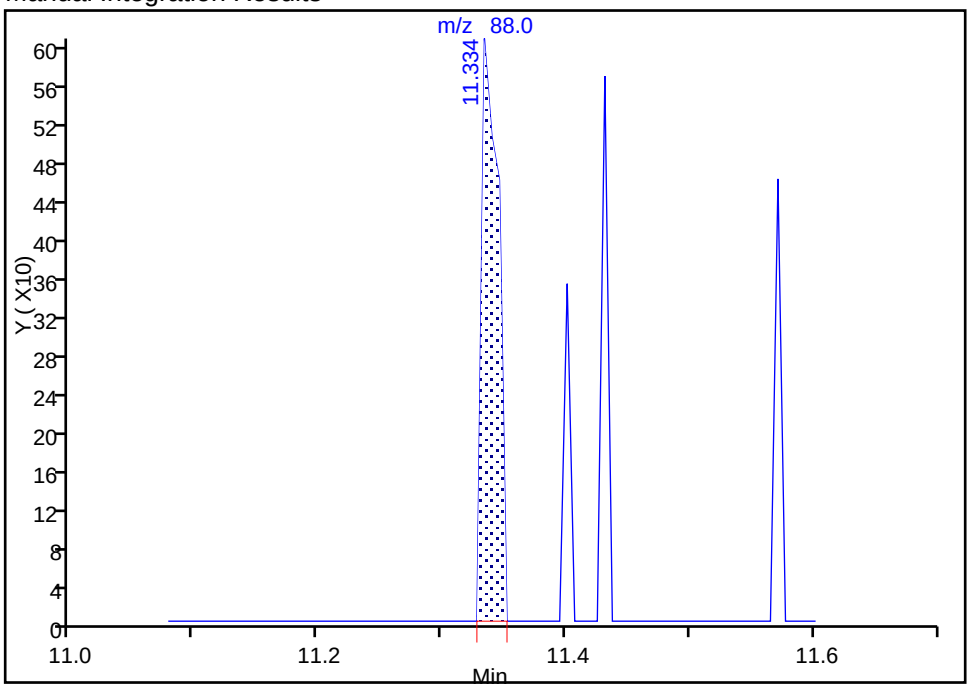
Not Detected
Expected RT: 11.34

Processing Integration Results



Manual Integration Results

RT: 11.33
Area: 573
Amount: 4.994446
Amount Units: ug/L



Reviewer: baroner, 06-Dec-2017 08:59:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94699P.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Dec-2017 13:59:30 ALS Bottle#: 100 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 2
Misc. Info.: 480-0067727-008
Operator ID: RF/RB Instrument ID: HP5973P
Sublist: chrom-P-8260H2O*sub11

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2017 12:17:44 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: baroner Date: 06-Dec-2017 09:06:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.428	10.427	0.001	96	196264	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	92	422556	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.339	17.338	0.001	94	473847	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	9.631	9.631	0.000	92	268794	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	10.087	10.081	0.006	0	177884	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	12.423	12.417	0.006	94	987387	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.878	15.878	0.000	90	347873	25.0	24.9	
10 Dichlorodifluoromethane	85	4.320	4.332	-0.012	41	12555	1.00	0.8780	
11 Chloromethane	50	4.727	4.752	-0.025	65	37422	1.00	0.8610	
17 Vinyl chloride	62	4.952	4.952	0.000	31	16752	1.00	0.8728	
144 Butadiene	54	5.001	5.013	-0.012	87	21609	1.00	0.9337	
12 Bromomethane	94	5.573	5.591	-0.018	53	10198	1.00	1.02	M
13 Chloroethane	64	5.719	5.713	0.006	60	7549	1.00	0.7288	
19 Dichlorofluoromethane	67	6.017	6.029	-0.012	47	26856	1.00	1.00	
14 Trichlorofluoromethane	101	6.072	6.078	-0.006	61	20049	1.00	0.9217	
20 Ethyl ether	59	6.394	6.388	0.006	83	19348	1.00	0.99	
22 Acrolein	56	6.692	6.698	-0.006	77	16057	5.00	4.56	
16 1,1,2-Trichloro-1,2,2-trif	101	6.735	6.747	-0.012	43	12525	1.00	0.9800	
25 1,1-Dichloroethene	96	6.832	6.832	0.000	87	8433	1.00	0.8581	
24 Acetone	43	6.893	6.887	0.006	96	68357	5.00	5.79	
18 Iodomethane	142	7.136	7.136	0.000	79	12369	1.00	0.6247	
30 Methyl acetate	43	7.252	7.252	0.000	98	61463	2.00	2.07	
27 Carbon disulfide	76	7.252	7.258	-0.006	43	47430	1.00	0.9595	
28 3-Chloro-1-propene	41	7.270	7.276	-0.006	86	56353	1.00	1.03	
33 2-Methyl-2-propanol	59	7.507	7.495	0.012	69	30619	10.0	10.0	
31 Methylene Chloride	84	7.520	7.513	0.007	83	19709	1.00	1.30	
32 Methyl tert-butyl ether	73	7.690	7.684	0.006	79	37847	1.00	0.9833	
35 trans-1,2-Dichloroethene	96	7.775	7.781	-0.006	77	12496	1.00	0.9591	
34 Acrylonitrile	53	7.812	7.812	0.000	99	140688	10.0	10.7	
36 Hexane	57	7.976	7.976	0.000	89	28116	1.00	0.9193	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.274	8.274	0.000	96	144862	2.00	1.94	
40 1,1-Dichloroethane	63	8.329	8.335	-0.006	96	31722	1.00	0.99	
44 2-Butanone (MEK)	43	9.022	9.016	0.006	93	95453	5.00	5.13	
45 2,2-Dichloropropane	77	9.028	9.034	-0.006	47	14558	1.00	0.9459	
43 cis-1,2-Dichloroethene	96	9.041	9.053	-0.012	86	17671	1.00	1.15	
50 Chlorobromomethane	128	9.381	9.381	0.000	78	7002	1.00	1.01	
51 Tetrahydrofuran	42	9.393	9.399	-0.006	84	30449	2.00	2.30	
49 Chloroform	83	9.418	9.412	0.006	90	21703	1.00	1.00	
52 1,1,1-Trichloroethane	97	9.661	9.655	0.006	31	19651	1.00	0.9727	
54 Cyclohexane	56	9.698	9.691	0.007	86	41190	1.00	0.9164	
56 1,1-Dichloropropene	75	9.831	9.825	0.006	68	14907	1.00	0.8888	
53 Isobutyl alcohol	43	9.844	9.843	0.001	97	50545	25.0	25.9	
55 Carbon tetrachloride	117	9.844	9.843	0.001	52	16765	1.00	0.9452	
57 Benzene	78	10.123	10.123	0.000	87	49293	1.00	1.00	
59 n-Heptane	43	10.184	10.184	0.000	86	29516	1.00	0.8605	
60 1,2-Dichloroethane	62	10.178	10.184	-0.006	81	27171	1.00	1.00	
62 Trichloroethene	95	10.878	10.878	0.000	89	13265	1.00	1.00	
64 Methylcyclohexane	83	11.072	11.078	-0.006	84	16287	1.00	0.9188	
63 1,2-Dichloropropane	63	11.212	11.224	-0.012	78	16886	1.00	0.9177	
68 1,4-Dioxane	88	11.352	11.340	0.012	1	1758	20.0	15.4	M
69 Dibromomethane	93	11.431	11.425	0.006	95	9351	1.00	1.05	
70 Dichlorobromomethane	83	11.559	11.559	0.000	85	15813	1.00	0.9348	
71 2-Chloroethyl vinyl ether	63	11.809	11.808	0.001	77	11981	1.00	0.9380	
73 cis-1,3-Dichloropropene	75	12.082	12.088	-0.006	72	21054	1.00	1.01	
75 4-Methyl-2-pentanone (MIBK	43	12.198	12.192	0.006	97	187595	5.00	5.02	
76 Toluene	92	12.514	12.514	0.000	96	32107	1.00	0.9824	
77 Ethyl methacrylate	69	12.733	12.733	0.000	79	16716	1.00	0.99	
78 trans-1,3-Dichloropropene	75	12.806	12.806	0.000	79	18904	1.00	0.9728	
79 1,1,2-Trichloroethane	83	13.092	13.092	0.000	89	11863	1.00	1.18	
80 Tetrachloroethene	166	13.238	13.238	0.000	71	12481	1.00	0.9062	
83 2-Hexanone	43	13.281	13.281	0.000	94	136108	5.00	5.02	
82 1,3-Dichloropropane	76	13.329	13.329	0.000	91	19355	1.00	0.9780	
81 Chlorodibromomethane	129	13.670	13.664	0.006	95	14706	1.00	1.02	
85 Ethylene Dibromide	107	13.871	13.865	0.006	98	13712	1.00	1.07	
87 Chlorobenzene	112	14.424	14.418	0.006	95	38328	1.00	1.00	
89 Ethylbenzene	91	14.467	14.467	0.000	97	57812	1.00	0.9599	
88 1,1,1,2-Tetrachloroethane	131	14.504	14.504	0.000	68	12705	1.00	0.9431	
90 m-Xylene & p-Xylene	106	14.601	14.601	0.000	0	22216	1.00	0.9409	
93 o-Xylene	106	15.148	15.148	0.000	96	23053	1.00	0.9863	
94 Styrene	104	15.173	15.173	0.000	91	37857	1.00	0.9409	
92 Bromoform	173	15.556	15.568	-0.012	47	9686	1.00	0.9504	
95 Isopropylbenzene	105	15.574	15.580	-0.006	95	52804	1.00	0.9126	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	93	16397	1.00	1.00	
98 trans-1,4-Dichloro-2-buten	53	16.097	16.097	0.000	43	12953	1.00	1.09	
99 N-Propylbenzene	91	16.104	16.103	0.001	98	66847	1.00	0.9547	
100 Bromobenzene	156	16.122	16.128	-0.006	78	18881	1.00	1.05	
101 1,2,3-Trichloropropane	110	16.152	16.140	0.012	81	6607	1.00	1.24	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	94	45543	1.00	0.9242	
103 2-Chlorotoluene	126	16.304	16.310	-0.006	88	15001	1.00	1.00	
105 4-Chlorotoluene	126	16.438	16.438	0.000	96	16351	1.00	1.03	
106 tert-Butylbenzene	134	16.730	16.736	-0.006	94	9835	1.00	0.9390	
107 1,2,4-Trimethylbenzene	105	16.797	16.797	0.000	97	46579	1.00	0.8986	

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	16.998	16.998	0.000	95	53465	1.00	0.9110	
112 4-Isopropyltoluene	119	17.150	17.144	0.006	98	51159	1.00	0.9676	
110 1,3-Dichlorobenzene	146	17.259	17.265	-0.006	95	31090	1.00	0.9840	
111 1,4-Dichlorobenzene	146	17.369	17.369	0.000	90	32017	1.00	0.9879	
115 n-Butylbenzene	91	17.661	17.661	0.000	96	44729	1.00	0.9852	
116 1,2-Dichlorobenzene	146	17.862	17.868	-0.006	90	28516	1.00	0.9171	
117 1,2-Dibromo-3-Chloropropan	75	18.896	18.914	-0.018	25	5464	1.00	1.07	M
119 1,2,4-Trichlorobenzene	180	20.021	20.021	0.000	94	21201	1.00	0.9798	
120 Hexachlorobutadiene	225	20.131	20.143	-0.012	45	6506	1.00	0.8565	
121 Naphthalene	128	20.465	20.472	-0.007	96	58742	1.00	0.9527	
122 1,2,3-Trichlorobenzene	180	20.849	20.849	0.000	62	20275	1.00	0.9790	
S 125 Total BTEX	1				0			4.87	
S 126 Xylenes, Total	1				0			1.93	
S 123 1,2-Dichloroethene, Total	1				0			2.11	
S 124 1,3-Dichloropropene, Total	1				0			1.98	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00116	Amount Added:	1.00	Units: uL	
GAS CORP mix_00253	Amount Added:	1.00	Units: uL	
P 8260 IS_00247	Amount Added:	1.25	Units: uL	Run Reagent
P 8260 Surr._00242	Amount Added:	1.25	Units: uL	Run Reagent

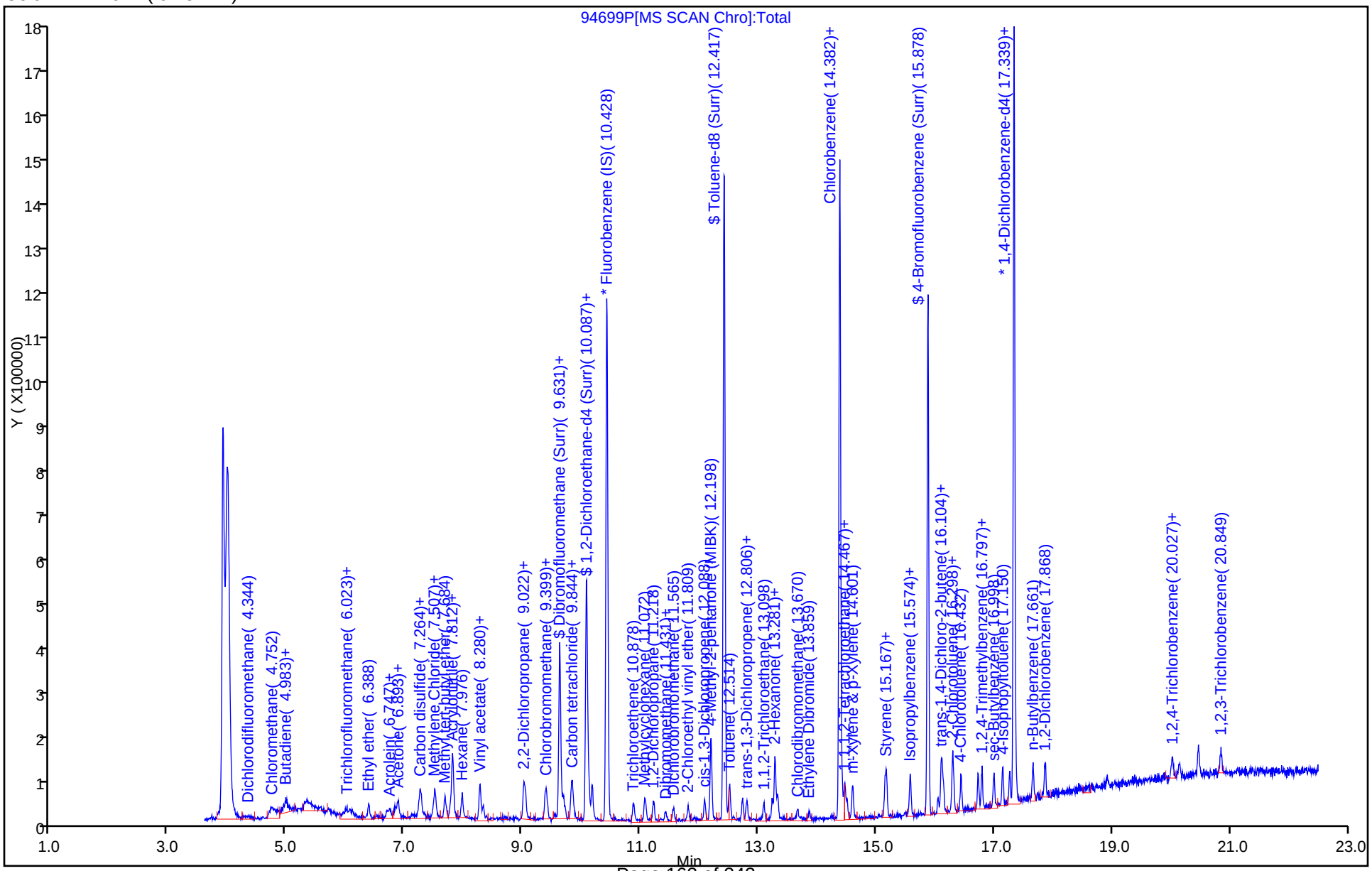
Report Date: 06-Dec-2017 12:17:46 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94699P.D

Injection Date:	05-Dec-2017 13:59:30	Instrument ID:	HP5973P	Operator ID:	RF/RB
Lims ID:	IC 2			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	100
Method:	P-8260H2O	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

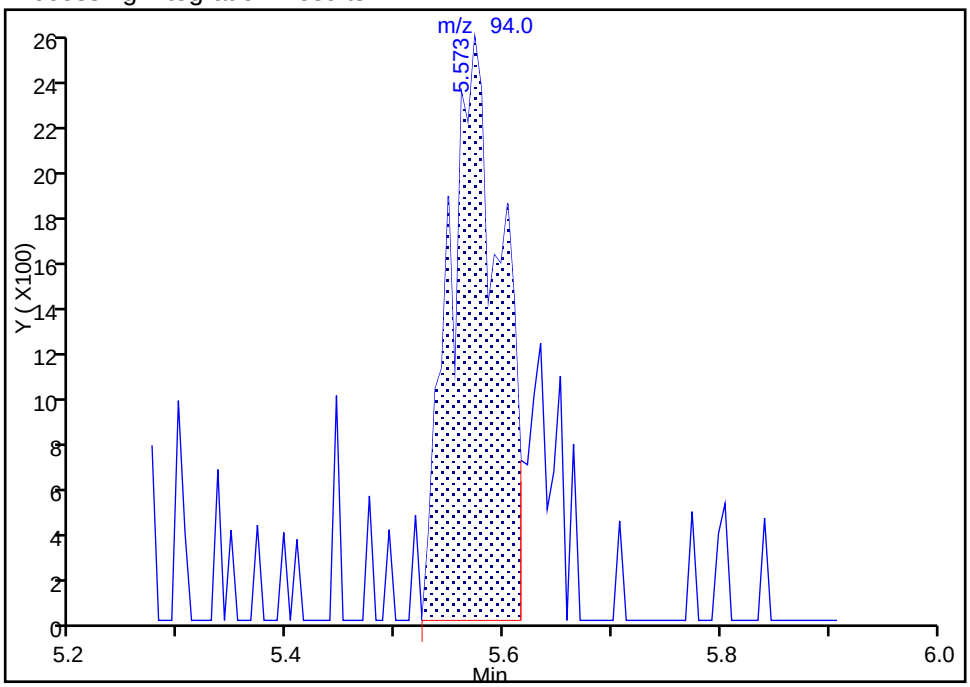
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94699P.D
Injection Date: 05-Dec-2017 13:59:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

12 Bromomethane, CAS: 74-83-9

Signal: 1

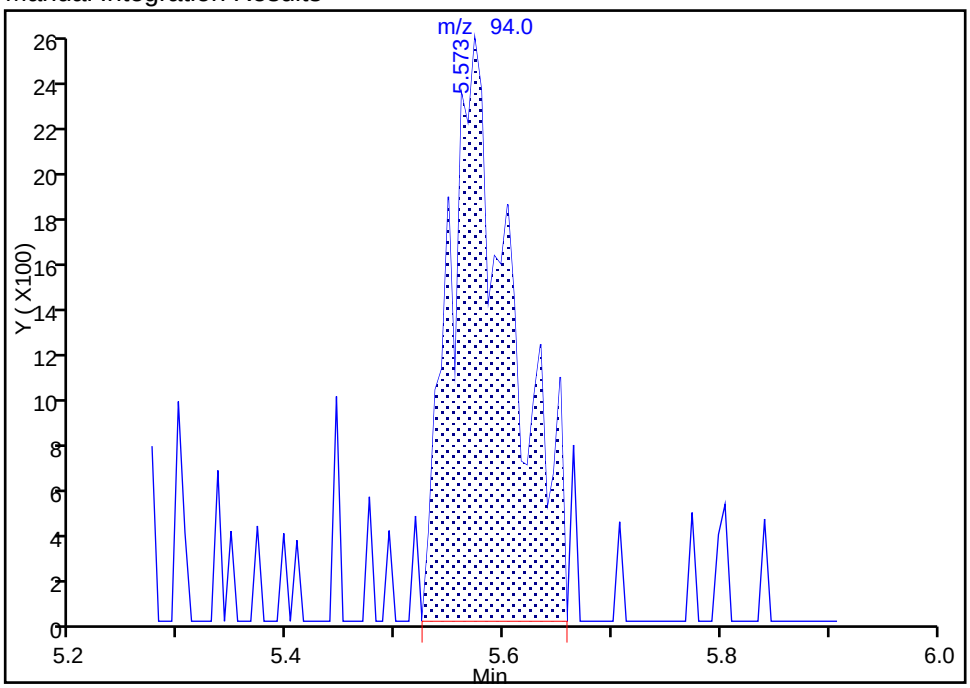
Processing Integration Results

RT: 5.57
Area: 8365
Amount: 0.841601
Amount Units: ug/L



Manual Integration Results

RT: 5.57
Area: 10198
Amount: 1.016872
Amount Units: ug/L



Reviewer: baroner, 06-Dec-2017 09:02:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

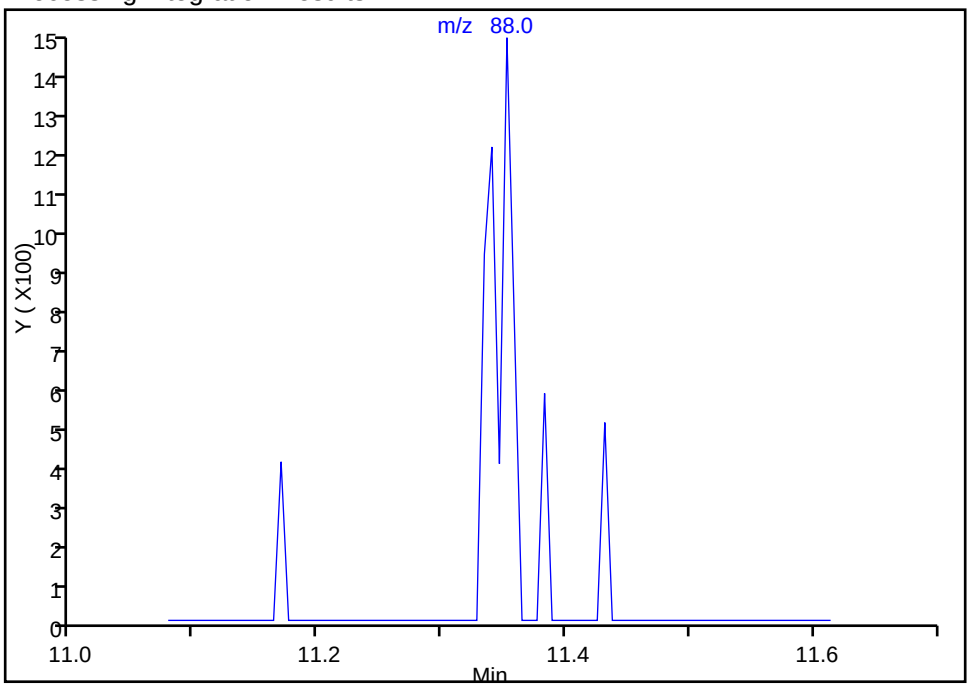
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94699P.D
Injection Date: 05-Dec-2017 13:59:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

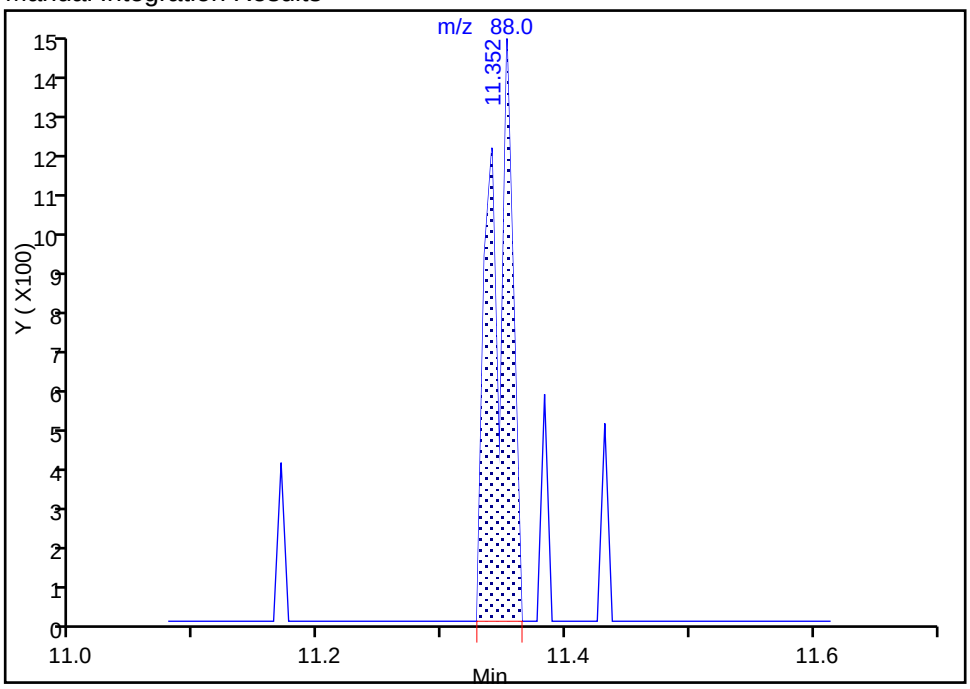
Not Detected
Expected RT: 11.34

Processing Integration Results



Manual Integration Results

RT: 11.35
Area: 1758
Amount: 15.405627
Amount Units: ug/L



Reviewer: baroner, 06-Dec-2017 09:03:46
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

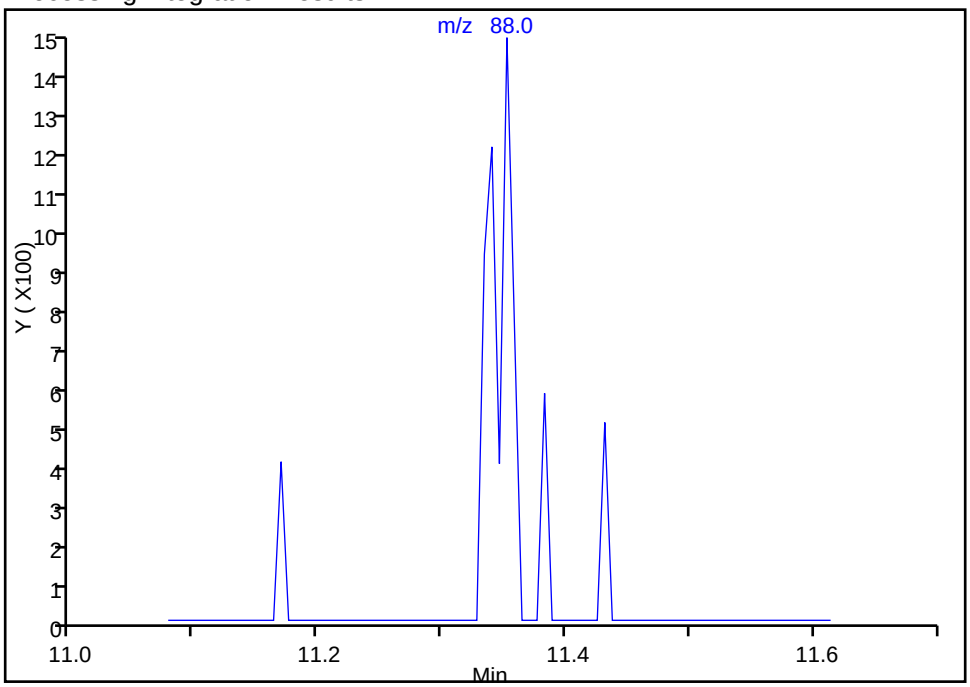
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94699P.D
Injection Date: 05-Dec-2017 13:59:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

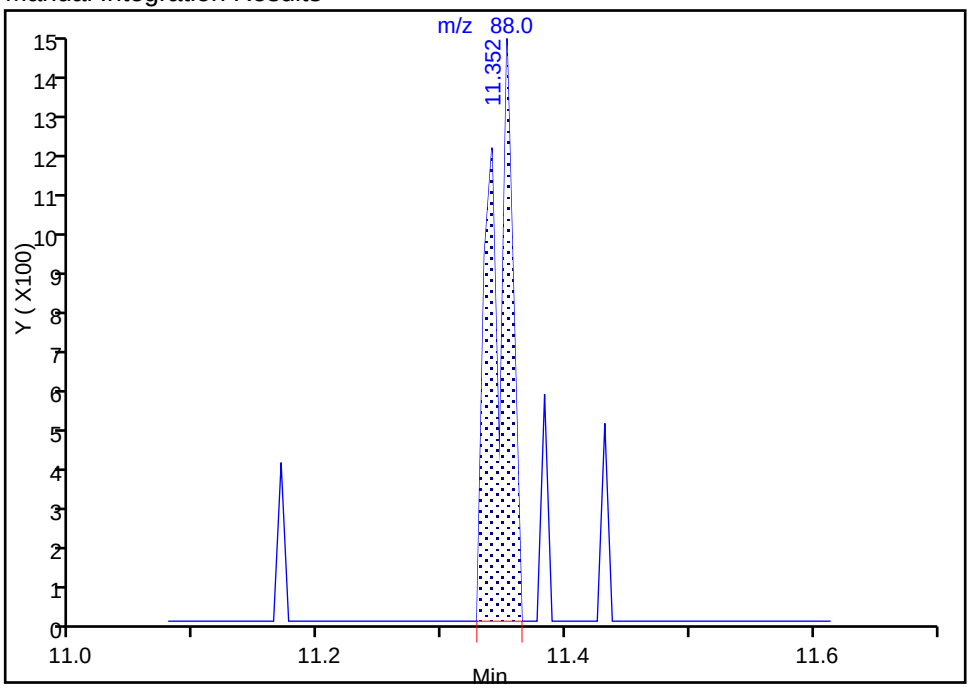
Not Detected
Expected RT: 11.34

Processing Integration Results



Manual Integration Results

RT: 11.35
Area: 1758
Amount: 15.405627
Amount Units: ug/L



Reviewer: baroner, 06-Dec-2017 09:03:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

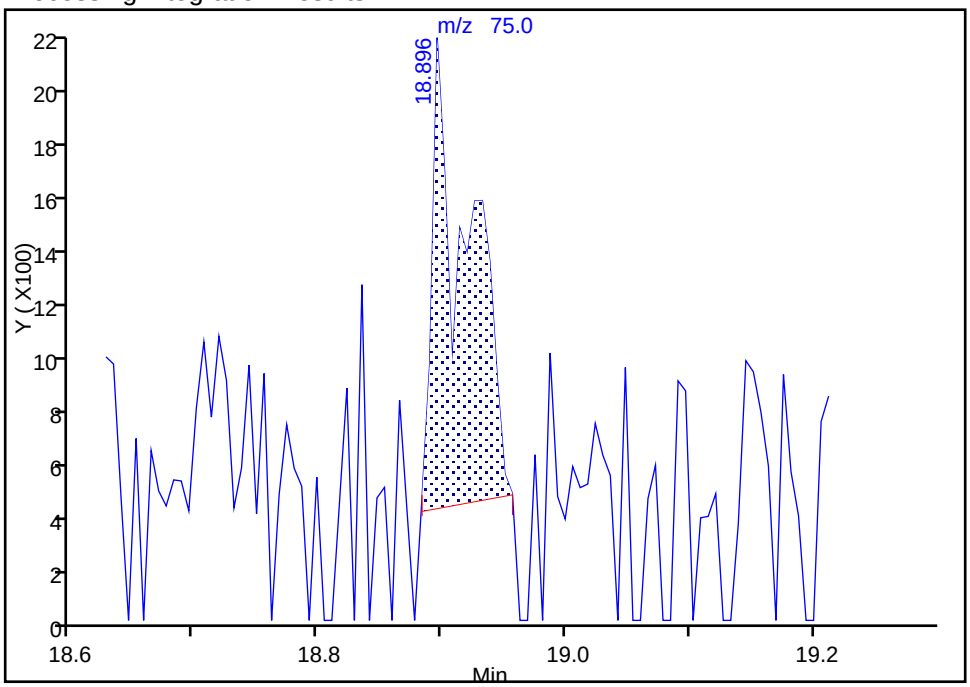
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94699P.D
Injection Date: 05-Dec-2017 13:59:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

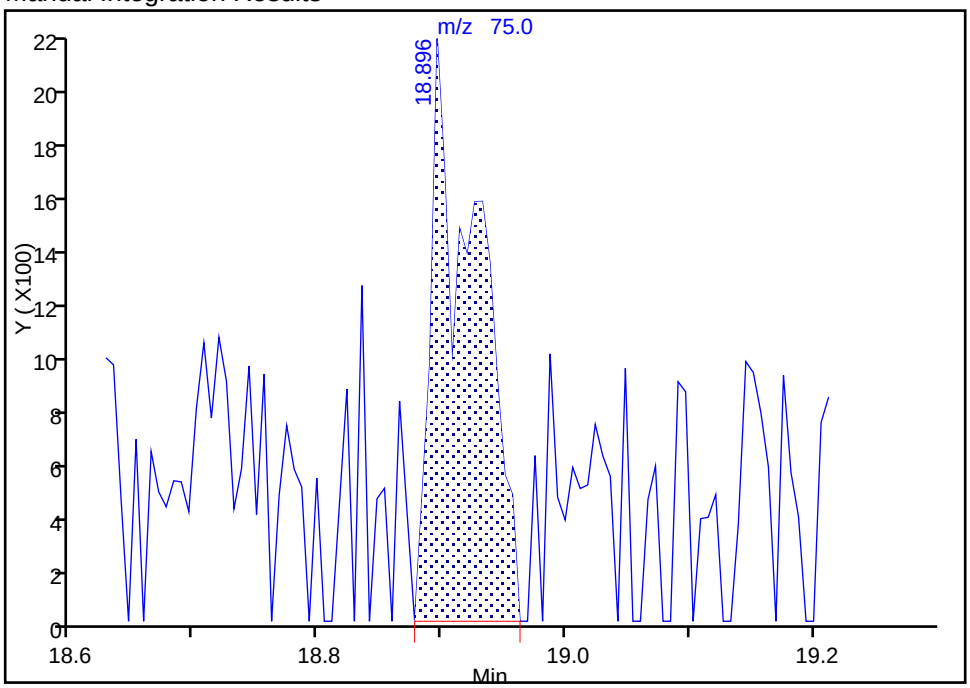
Processing Integration Results

RT: 18.90
Area: 3452
Amount: 0.417915
Amount Units: ug/L



Manual Integration Results

RT: 18.90
Area: 5464
Amount: 1.069976
Amount Units: ug/L



Reviewer: baroner, 06-Dec-2017 09:05:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94700P.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 05-Dec-2017 14:27:30 ALS Bottle#: 100 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 3
Misc. Info.: 480-0067727-009
Operator ID: RF/RB Instrument ID: HP5973P
Sublist: chrom-P-8260H2O*sub11

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2017 12:17:47 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: baroner Date: 06-Dec-2017 09:06:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.434	10.427	0.007	96	194813	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	92	427024	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.338	17.338	0.000	93	476615	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	9.631	9.631	0.000	93	262758	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.081	0.000	0	176262	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	96	988196	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.878	15.878	0.000	92	351506	25.0	24.9	
10 Dichlorodifluoromethane	85	4.314	4.332	-0.018	97	68643	5.00	4.84	
11 Chloromethane	50	4.745	4.752	-0.007	99	200729	5.00	4.65	
17 Vinyl chloride	62	4.946	4.952	-0.006	78	92476	5.00	4.85	
144 Butadiene	54	4.989	5.013	-0.024	97	107794	5.00	4.69	M
12 Bromomethane	94	5.573	5.591	-0.018	88	50709	5.00	5.09	
13 Chloroethane	64	5.719	5.713	0.006	93	45698	5.00	4.44	
19 Dichlorofluoromethane	67	6.017	6.029	-0.012	95	131435	5.00	4.94	
14 Trichlorofluoromethane	101	6.066	6.078	-0.012	98	107488	5.00	4.98	
20 Ethyl ether	59	6.388	6.388	0.000	82	97079	5.00	5.01	
22 Acrolein	56	6.698	6.698	0.000	99	90884	25.0	26.0	
16 1,1,2-Trichloro-1,2,2-trif	101	6.741	6.747	-0.006	93	62006	5.00	4.89	
25 1,1-Dichloroethene	96	6.838	6.832	0.006	89	72608	5.00	5.79	
24 Acetone	43	6.887	6.887	0.000	96	309796	25.0	26.4	
18 Iodomethane	142	7.142	7.136	0.006	97	101025	5.00	5.14	
30 Methyl acetate	43	7.252	7.252	0.000	98	293916	10.0	9.97	
27 Carbon disulfide	76	7.258	7.258	0.000	54	251160	5.00	5.12	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	88	264960	5.00	4.87	
33 2-Methyl-2-propanol	59	7.501	7.495	0.006	96	160519	50.0	53.0	
31 Methylene Chloride	84	7.507	7.513	-0.006	82	72467	5.00	4.80	
32 Methyl tert-butyl ether	73	7.690	7.684	0.006	82	189757	5.00	4.97	
35 trans-1,2-Dichloroethene	96	7.775	7.781	-0.006	87	68624	5.00	5.31	
34 Acrylonitrile	53	7.812	7.812	0.000	97	686897	50.0	52.6	
36 Hexane	57	7.976	7.976	0.000	90	146259	5.00	4.82	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.274	8.274	0.000	96	770566	10.0	10.4	
40 1,1-Dichloroethane	63	8.329	8.335	-0.006	96	157860	5.00	4.98	
44 2-Butanone (MEK)	43	9.016	9.016	0.000	94	476836	25.0	25.8	
45 2,2-Dichloropropane	77	9.034	9.034	0.000	51	75555	5.00	4.95	
43 cis-1,2-Dichloroethene	96	9.047	9.053	-0.006	90	77300	5.00	5.06	
50 Chlorobromomethane	128	9.375	9.381	-0.006	78	31311	5.00	4.55	
51 Tetrahydrofuran	42	9.393	9.399	-0.006	88	134407	10.0	10.2	
49 Chloroform	83	9.412	9.412	0.000	90	109742	5.00	5.11	
52 1,1,1-Trichloroethane	97	9.649	9.655	-0.006	55	98562	5.00	4.92	
54 Cyclohexane	56	9.697	9.691	0.006	91	216326	5.00	4.85	
56 1,1-Dichloropropene	75	9.825	9.825	0.000	72	85302	5.00	5.12	
55 Carbon tetrachloride	117	9.837	9.843	-0.006	51	83575	5.00	4.75	
53 Isobutyl alcohol	43	9.843	9.843	0.000	92	236070	125.0	122.1	
57 Benzene	78	10.123	10.123	0.000	91	249655	5.00	5.08	
60 1,2-Dichloroethane	62	10.184	10.184	0.000	82	135685	5.00	5.01	
59 n-Heptane	43	10.184	10.184	0.000	90	171958	5.00	5.05	
62 Trichloroethene	95	10.872	10.878	-0.006	92	64294	5.00	4.87	
64 Methylcyclohexane	83	11.078	11.078	0.000	86	84317	5.00	4.79	
63 1,2-Dichloropropane	63	11.218	11.224	-0.006	82	93943	5.00	5.14	
68 1,4-Dioxane	88	11.340	11.340	0.000	70	12605	100.0	109.3	
69 Dibromomethane	93	11.431	11.425	0.006	95	44491	5.00	5.05	
70 Dichlorobromomethane	83	11.553	11.559	-0.006	91	83373	5.00	4.97	
71 2-Chloroethyl vinyl ether	63	11.808	11.808	0.000	78	63578	5.00	5.01	
73 cis-1,3-Dichloropropene	75	12.088	12.088	0.000	73	101548	5.00	4.91	
75 4-Methyl-2-pentanone (MIBK	43	12.192	12.192	0.000	95	997437	25.0	26.4	
76 Toluene	92	12.514	12.514	0.000	95	159699	5.00	4.84	
77 Ethyl methacrylate	69	12.727	12.733	-0.006	81	81678	5.00	4.80	
78 trans-1,3-Dichloropropene	75	12.806	12.806	0.000	83	96982	5.00	4.94	
79 1,1,2-Trichloroethane	83	13.098	13.092	0.006	90	48560	5.00	4.76	
80 Tetrachloroethene	166	13.232	13.238	-0.006	91	69192	5.00	4.97	
83 2-Hexanone	43	13.281	13.281	0.000	95	732678	25.0	26.7	
82 1,3-Dichloropropane	76	13.329	13.329	0.000	86	103689	5.00	5.18	
81 Chlorodibromomethane	129	13.664	13.664	0.000	88	71552	5.00	4.93	
85 Ethylene Dibromide	107	13.871	13.865	0.006	98	63917	5.00	4.92	
87 Chlorobenzene	112	14.418	14.418	0.000	97	193533	5.00	4.98	
89 Ethylbenzene	91	14.467	14.467	0.000	97	300525	5.00	4.94	
88 1,1,1,2-Tetrachloroethane	131	14.503	14.504	-0.001	92	68452	5.00	5.03	
90 m-Xylene & p-Xylene	106	14.601	14.601	0.000	0	114553	5.00	4.80	
93 o-Xylene	106	15.148	15.148	0.000	97	116109	5.00	4.92	
94 Styrene	104	15.179	15.173	0.006	89	195858	5.00	4.82	
92 Bromoform	173	15.562	15.568	-0.006	57	48571	5.00	4.72	
95 Isopropylbenzene	105	15.580	15.580	0.000	96	285037	5.00	4.90	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	96	84219	5.00	5.11	
98 trans-1,4-Dichloro-2-buten	53	16.097	16.097	0.000	57	55330	5.00	4.62	
99 N-Propylbenzene	91	16.103	16.103	0.000	98	349847	5.00	4.97	
100 Bromobenzene	156	16.122	16.128	-0.006	80	89851	5.00	4.96	
101 1,2,3-Trichloropropane	110	16.140	16.140	0.000	84	26638	5.00	4.98	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	95	236152	5.00	4.76	
103 2-Chlorotoluene	126	16.310	16.310	0.000	95	74483	5.00	4.92	
105 4-Chlorotoluene	126	16.438	16.438	0.000	97	76480	5.00	4.80	
106 tert-Butylbenzene	134	16.730	16.736	-0.006	97	49137	5.00	4.66	
107 1,2,4-Trimethylbenzene	105	16.791	16.797	-0.006	97	259915	5.00	4.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.998	16.998	0.000	96	288778	5.00	4.89	
112 4-Isopropyltoluene	119	17.144	17.144	0.000	97	249436	5.00	4.69	
110 1,3-Dichlorobenzene	146	17.265	17.265	0.000	96	159562	5.00	5.02	
111 1,4-Dichlorobenzene	146	17.375	17.369	0.006	95	163037	5.00	5.00	
115 n-Butylbenzene	91	17.661	17.661	0.000	98	219472	5.00	4.81	
116 1,2-Dichlorobenzene	146	17.868	17.868	0.000	94	158741	5.00	5.08	
117 1,2-Dibromo-3-Chloropropan	75	18.908	18.914	-0.006	75	20475	5.00	5.09	
119 1,2,4-Trichlorobenzene	180	20.015	20.021	-0.006	94	102864	5.00	4.73	
120 Hexachlorobutadiene	225	20.143	20.143	0.000	94	36450	5.00	4.77	
121 Naphthalene	128	20.471	20.472	-0.001	96	307716	5.00	4.96	
122 1,2,3-Trichlorobenzene	180	20.849	20.849	0.000	95	101723	5.00	4.88	
S 123 1,2-Dichloroethene, Total	1				0			10.4	
S 124 1,3-Dichloropropene, Total	1				0			9.85	
S 125 Total BTEX	1				0			24.6	
S 126 Xylenes, Total	1				0			9.72	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00116	Amount Added:	5.00	Units: uL	
GAS CORP mix_00253	Amount Added:	5.00	Units: uL	
P 8260 IS_00247	Amount Added:	1.25	Units: uL	Run Reagent
P 8260 Surr._00242	Amount Added:	1.25	Units: uL	Run Reagent

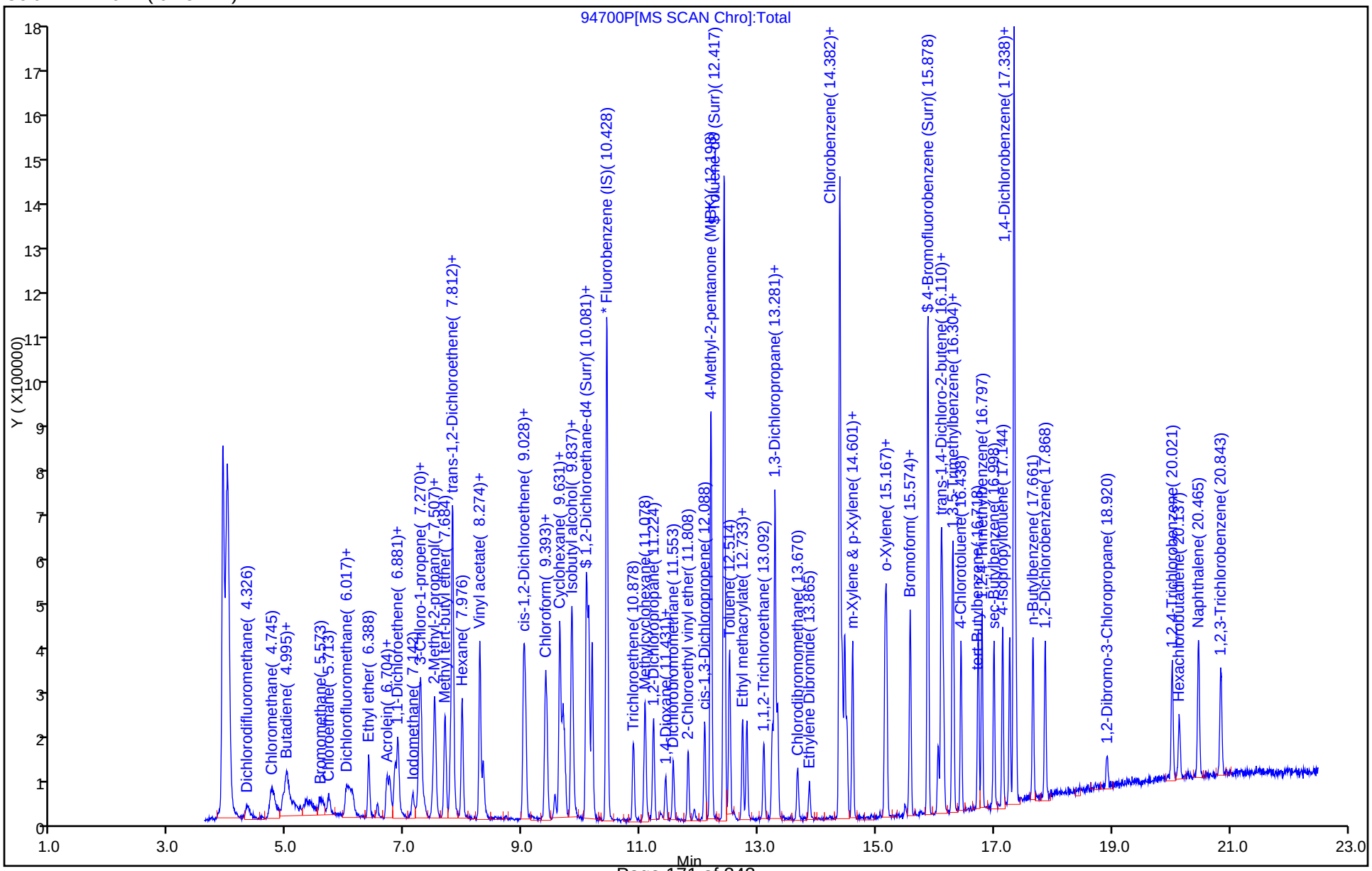
Report Date: 06-Dec-2017 12:17:48 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94700P.D

Injection Date:	05-Dec-2017 14:27:30	Instrument ID:	HP5973P	Operator ID:	RF/RB
Lims ID:	IC 3			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	100
Method:	P-8260H2O	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

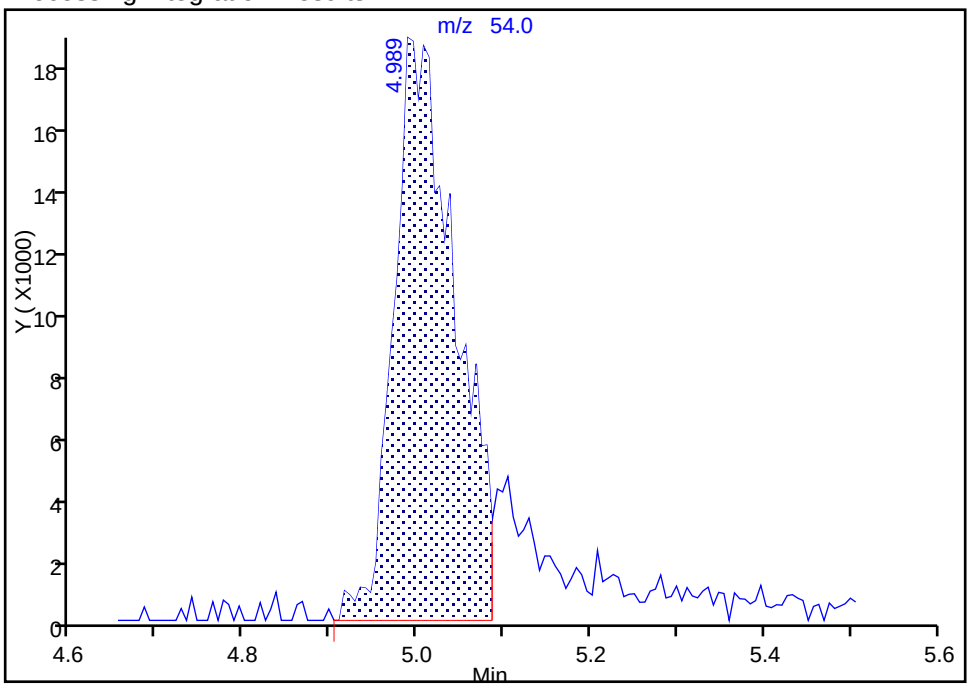
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94700P.D
Injection Date: 05-Dec-2017 14:27:30 Instrument ID: HP5973P
Lims ID: IC 3
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

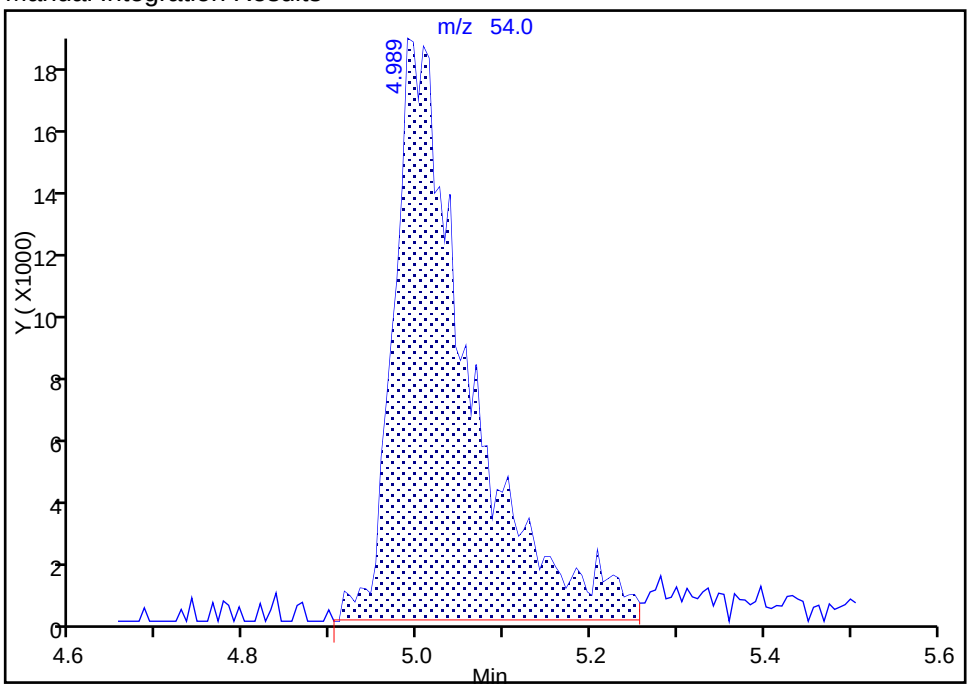
Processing Integration Results

RT: 4.99
Area: 89349
Amount: 4.263033
Amount Units: ug/L



Manual Integration Results

RT: 4.99
Area: 107794
Amount: 4.692211
Amount Units: ug/L



Reviewer: baroner, 06-Dec-2017 09:07:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94701P.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Dec-2017 14:54:30 ALS Bottle#: 100 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 4
Misc. Info.: 480-0067727-010
Operator ID: RF/RB Instrument ID: HP5973P
Sublist: chrom-P-8260H2O*sub11

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2017 12:17:51 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: baroner Date: 06-Dec-2017 09:10:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.433	10.433	0.000	96	200842	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	91	428691	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.338	17.338	0.000	94	495456	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	9.630	9.630	0.000	92	279220	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	10.087	10.087	0.000	0	185582	25.0	25.8	
$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	94	1017270	25.0	25.5	
$ 6 4-Bromofluorobenzene (Surr	174	15.878	15.878	0.000	89	359107	25.0	25.4	
10 Dichlorodifluoromethane	85	4.332	4.332	0.000	97	153785	10.0	10.5	
11 Chloromethane	50	4.757	4.757	0.000	99	473557	10.0	10.6	
17 Vinyl chloride	62	4.952	4.952	0.000	97	210811	10.0	10.7	
144 Butadiene	54	5.025	5.025	0.000	96	235977	10.0	9.96	M
12 Bromomethane	94	5.579	5.579	0.000	89	107177	10.0	10.4	
13 Chloroethane	64	5.713	5.713	0.000	92	111584	10.0	10.5	
19 Dichlorofluoromethane	67	6.017	6.017	0.000	95	280341	10.0	10.2	
14 Trichlorofluoromethane	101	6.090	6.090	0.000	94	233623	10.0	10.5	
20 Ethyl ether	59	6.394	6.394	0.000	86	209744	10.0	10.5	
22 Acrolein	56	6.692	6.692	0.000	99	189887	50.0	52.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.747	6.747	0.000	93	132150	10.0	10.1	
25 1,1-Dichloroethene	96	6.838	6.838	0.000	88	128543	10.0	9.79	
24 Acetone	43	6.887	6.887	0.000	97	610824	50.0	50.5	
18 Iodomethane	142	7.142	7.142	0.000	99	236621	10.0	11.7	
30 Methyl acetate	43	7.258	7.258	0.000	98	616015	20.0	20.3	
27 Carbon disulfide	76	7.246	7.246	0.000	58	511657	10.0	10.1	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	93	570071	10.0	10.2	
33 2-Methyl-2-propanol	59	7.501	7.501	0.000	96	297745	100.0	95.3	
31 Methylene Chloride	84	7.513	7.513	0.000	83	146193	10.0	9.39	
32 Methyl tert-butyl ether	73	7.684	7.684	0.000	83	409894	10.0	10.4	
35 trans-1,2-Dichloroethene	96	7.775	7.775	0.000	86	138978	10.0	10.4	
34 Acrylonitrile	53	7.811	7.811	0.000	98	1383112	100.0	102.7	
36 Hexane	57	7.976	7.976	0.000	92	322184	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.274	8.274	0.000	96	1614360	20.0	21.1	
40 1,1-Dichloroethane	63	8.335	8.335	0.000	96	335458	10.0	10.3	
44 2-Butanone (MEK)	43	9.016	9.016	0.000	94	984502	50.0	51.7	
45 2,2-Dichloropropane	77	9.034	9.034	0.000	75	169817	10.0	10.8	
43 cis-1,2-Dichloroethene	96	9.052	9.052	0.000	90	157579	10.0	10.0	
50 Chlorobromomethane	128	9.381	9.381	0.000	78	76489	10.0	10.8	
51 Tetrahydrofuran	42	9.399	9.399	0.000	89	266872	20.0	19.7	
49 Chloroform	83	9.411	9.411	0.000	89	223552	10.0	10.1	
52 1,1,1-Trichloroethane	97	9.655	9.655	0.000	94	214999	10.0	10.4	
54 Cyclohexane	56	9.691	9.691	0.000	92	461367	10.0	10.0	
56 1,1-Dichloropropene	75	9.825	9.825	0.000	77	182475	10.0	10.6	
53 Isobutyl alcohol	43	9.837	9.837	0.000	92	462256	250.0	231.9	
55 Carbon tetrachloride	117	9.843	9.843	0.000	53	186463	10.0	10.3	
57 Benzene	78	10.123	10.123	0.000	88	519817	10.0	10.3	
59 n-Heptane	43	10.178	10.178	0.000	91	360287	10.0	10.3	
60 1,2-Dichloroethane	62	10.178	10.178	0.000	83	293135	10.0	10.5	
62 Trichloroethene	95	10.878	10.878	0.000	93	142017	10.0	10.4	
64 Methylcyclohexane	83	11.078	11.078	0.000	87	185305	10.0	10.2	
63 1,2-Dichloropropane	63	11.224	11.224	0.000	84	196033	10.0	10.4	
68 1,4-Dioxane	88	11.346	11.346	0.000	77	20224	200.0	174.7	
69 Dibromomethane	93	11.431	11.431	0.000	96	93488	10.0	10.3	
70 Dichlorobromomethane	83	11.559	11.559	0.000	91	177616	10.0	10.3	
71 2-Chloroethyl vinyl ether	63	11.808	11.808	0.000	78	132185	10.0	10.1	
73 cis-1,3-Dichloropropene	75	12.094	12.094	0.000	75	214971	10.0	10.1	
75 4-Methyl-2-pentanone (MIBK	43	12.198	12.198	0.000	95	2035432	50.0	53.7	
76 Toluene	92	12.514	12.514	0.000	96	347660	10.0	10.5	
77 Ethyl methacrylate	69	12.727	12.727	0.000	80	178983	10.0	10.5	
78 trans-1,3-Dichloropropene	75	12.806	12.806	0.000	81	201912	10.0	10.2	
79 1,1,2-Trichloroethane	83	13.092	13.092	0.000	90	100769	10.0	9.84	
80 Tetrachloroethene	166	13.238	13.238	0.000	96	155163	10.0	11.1	
83 2-Hexanone	43	13.281	13.281	0.000	96	1448659	50.0	52.7	
82 1,3-Dichloropropane	76	13.323	13.323	0.000	90	210285	10.0	10.5	
81 Chlorodibromomethane	129	13.670	13.670	0.000	86	147984	10.0	10.2	
85 Ethylene Dibromide	107	13.871	13.871	0.000	99	136352	10.0	10.4	
87 Chlorobenzene	112	14.424	14.424	0.000	95	401020	10.0	10.3	
89 Ethylbenzene	91	14.467	14.467	0.000	97	643673	10.0	10.5	
88 1,1,1,2-Tetrachloroethane	131	14.509	14.509	0.000	91	144857	10.0	10.6	
90 m-Xylene & p-Xylene	106	14.595	14.595	0.000	0	257412	10.0	10.7	
93 o-Xylene	106	15.154	15.154	0.000	94	249901	10.0	10.5	
94 Styrene	104	15.179	15.179	0.000	90	426674	10.0	10.5	
92 Bromoform	173	15.568	15.568	0.000	96	108651	10.0	10.5	
95 Isopropylbenzene	105	15.580	15.580	0.000	96	622933	10.0	10.3	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	96	171789	10.0	10.0	
98 trans-1,4-Dichloro-2-buten	53	16.097	16.097	0.000	46	122830	10.0	9.86	
99 N-Propylbenzene	91	16.103	16.103	0.000	97	742087	10.0	10.1	
100 Bromobenzene	156	16.128	16.128	0.000	83	188022	10.0	9.98	
101 1,2,3-Trichloropropane	110	16.146	16.146	0.000	84	49129	10.0	8.83	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	94	525935	10.0	10.2	
103 2-Chlorotoluene	126	16.310	16.310	0.000	94	163586	10.0	10.4	
105 4-Chlorotoluene	126	16.444	16.444	0.000	97	166581	10.0	10.1	
106 tert-Butylbenzene	134	16.730	16.730	0.000	97	111448	10.0	10.2	
107 1,2,4-Trimethylbenzene	105	16.797	16.797	0.000	97	557589	10.0	10.3	

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	16.998	16.998	0.000	96	613176	10.0	10.0	
112 4-Isopropyltoluene	119	17.144	17.144	0.000	97	558198	10.0	10.1	
110 1,3-Dichlorobenzene	146	17.265	17.265	0.000	97	336388	10.0	10.2	
111 1,4-Dichlorobenzene	146	17.369	17.369	0.000	94	338700	10.0	10.0	
115 n-Butylbenzene	91	17.661	17.661	0.000	98	472279	10.0	9.95	
116 1,2-Dichlorobenzene	146	17.868	17.868	0.000	96	329539	10.0	10.1	
117 1,2-Dibromo-3-Chloropropan	75	18.914	18.914	0.000	78	37099	10.0	9.16	
119 1,2,4-Trichlorobenzene	180	20.021	20.021	0.000	94	229443	10.0	10.1	
120 Hexachlorobutadiene	225	20.143	20.143	0.000	93	80723	10.0	10.2	
121 Naphthalene	128	20.465	20.465	0.000	96	644162	10.0	10.0	
122 1,2,3-Trichlorobenzene	180	20.842	20.842	0.000	94	214210	10.0	9.89	
S 125 Total BTEX	1				0			52.6	
S 126 Xylenes, Total	1				0			21.3	
S 123 1,2-Dichloroethene, Total	1				0			20.4	
S 124 1,3-Dichloropropene, Total	1				0			20.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00116	Amount Added:	5.00	Units: uL	
GAS CORP mix_00253	Amount Added:	5.00	Units: uL	
P 8260 IS_00247	Amount Added:	1.25	Units: uL	Run Reagent
P 8260 Surr._00242	Amount Added:	1.25	Units: uL	Run Reagent

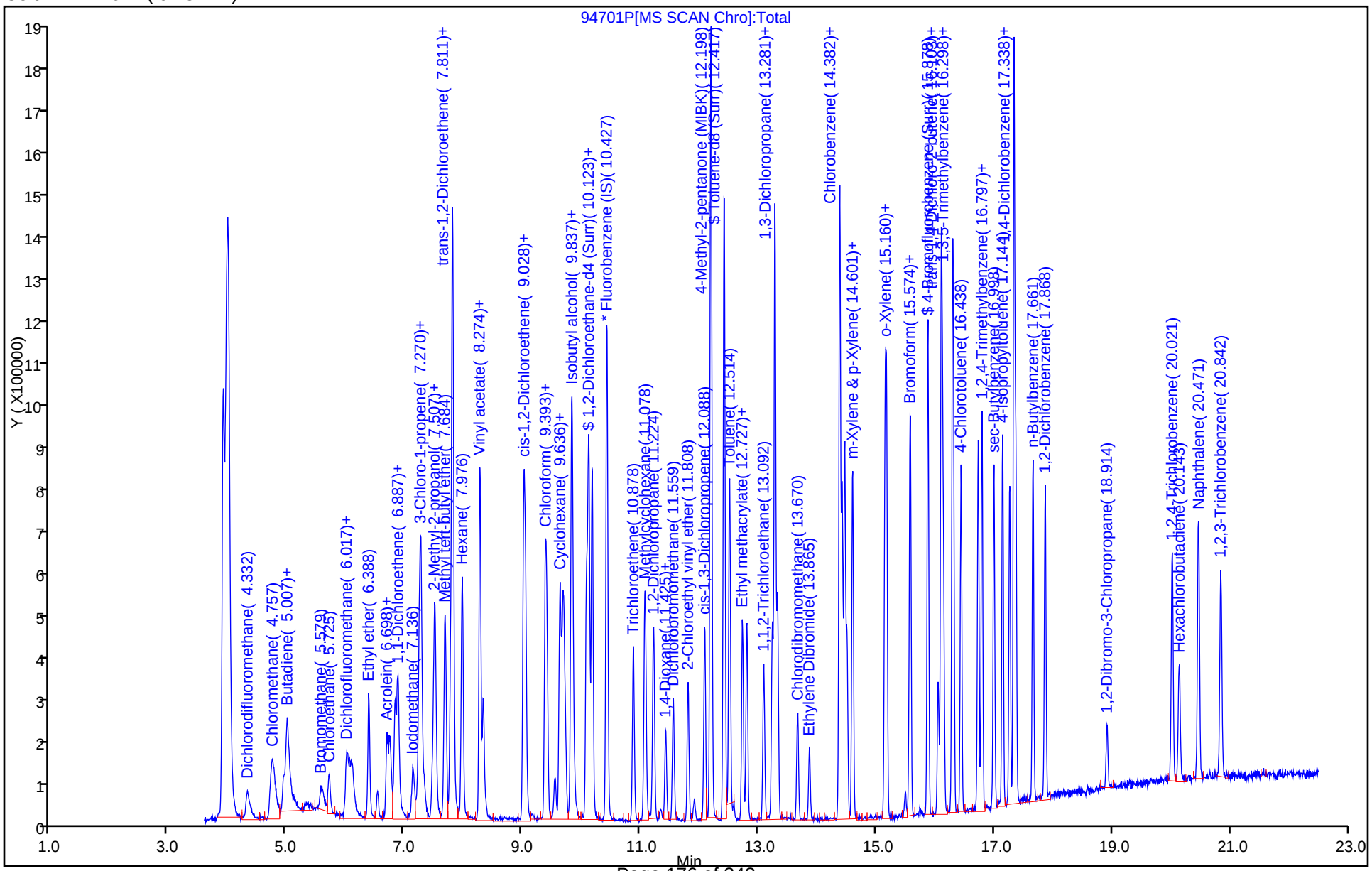
Report Date: 06-Dec-2017 12:17:53 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94701P.D

Injection Date:	05-Dec-2017 14:54:30	Instrument ID:	HP5973P	Operator ID:	RF/RB
Lims ID:	IC 4			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	100
Method:	P-8260H2O	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

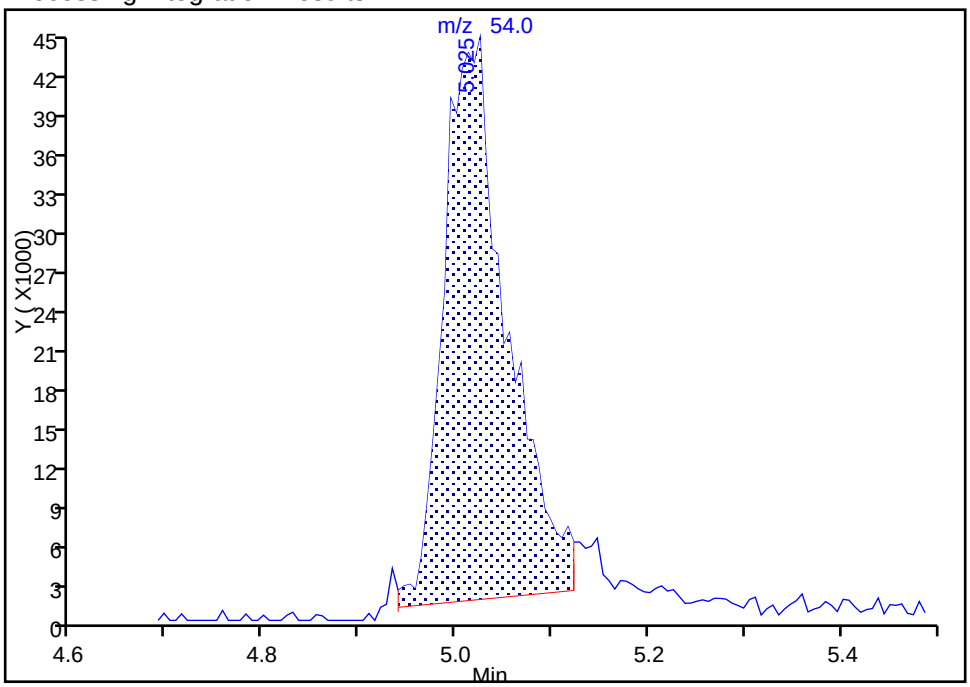
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94701P.D
Injection Date: 05-Dec-2017 14:54:30 Instrument ID: HP5973P
Lims ID: IC 4
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

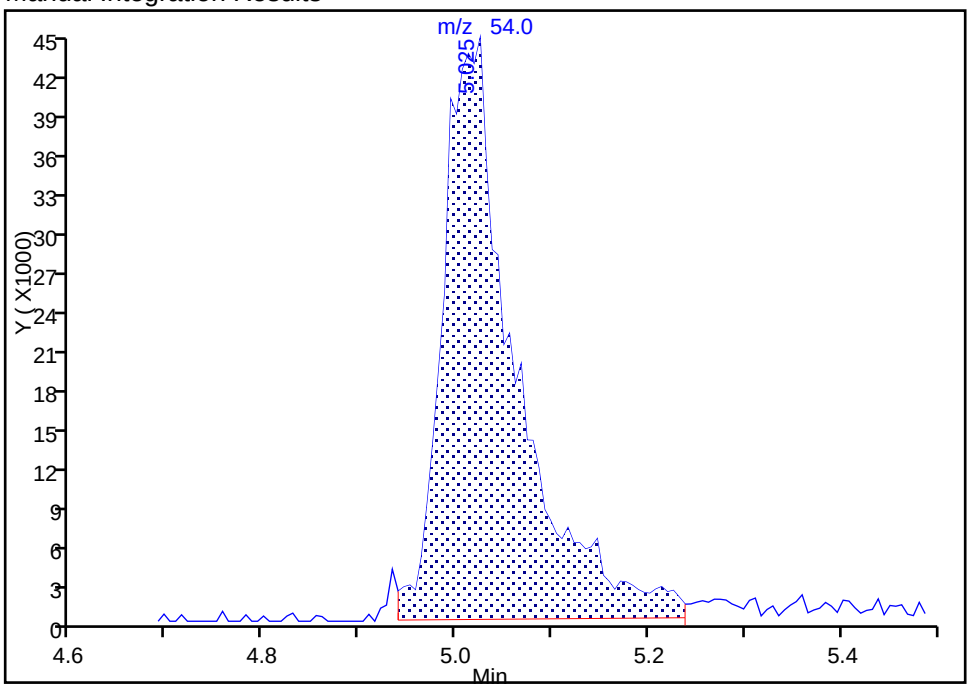
Processing Integration Results

RT: 5.03
Area: 198132
Amount: 8.944623
Amount Units: ug/L



Manual Integration Results

RT: 5.03
Area: 235977
Amount: 9.963594
Amount Units: ug/L



Reviewer: baroner, 06-Dec-2017 09:12:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94702P.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 05-Dec-2017 15:21:30 ALS Bottle#: 100 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: icis 5
Misc. Info.: 480-0067727-011
Operator ID: RF/RB Instrument ID: HP5973P
Sublist: chrom-P-8260H2O*sub11

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2017 12:17:55 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: baroner Date: 06-Dec-2017 08:31:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.434	10.434	0.000	96	205219	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	92	444868	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.338	17.338	0.000	87	481236	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	9.631	9.631	0.000	66	276164	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.081	0.000	0	182413	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	94	1022158	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.878	15.878	0.000	89	359663	25.0	24.5	
10 Dichlorodifluoromethane	85	4.332	4.332	0.000	83	370492	25.0	24.8	M
11 Chloromethane	50	4.752	4.752	0.000	89	1159562	25.0	25.5	
17 Vinyl chloride	62	4.952	4.952	0.000	80	478659	25.0	23.9	
144 Butadiene	54	5.013	5.013	0.000	97	580241	25.0	24.0	
12 Bromomethane	94	5.591	5.591	0.000	91	249522	25.0	23.8	
13 Chloroethane	64	5.713	5.713	0.000	88	276217	25.0	25.5	
19 Dichlorofluoromethane	67	6.029	6.029	0.000	80	680918	25.0	24.3	
14 Trichlorofluoromethane	101	6.078	6.078	0.000	83	545185	25.0	24.0	
20 Ethyl ether	59	6.388	6.388	0.000	86	498044	25.0	24.4	
22 Acrolein	56	6.698	6.698	0.000	94	450272	125.0	122.2	
16 1,1,2-Trichloro-1,2,2-trif	101	6.747	6.747	0.000	87	321890	25.0	24.1	
25 1,1-Dichloroethene	96	6.832	6.832	0.000	78	338517	25.0	24.9	
24 Acetone	43	6.887	6.887	0.000	97	1446520	125.0	117.1	
18 Iodomethane	142	7.136	7.136	0.000	98	575150	25.0	27.8	
30 Methyl acetate	43	7.252	7.252	0.000	97	1450793	50.0	46.7	
27 Carbon disulfide	76	7.258	7.258	0.000	56	1260216	25.0	24.4	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	90	1392118	25.0	24.3	
33 2-Methyl-2-propanol	59	7.495	7.495	0.000	95	764262	250.0	239.4	
31 Methylene Chloride	84	7.513	7.513	0.000	78	353004	25.0	22.2	
32 Methyl tert-butyl ether	73	7.684	7.684	0.000	77	962961	25.0	23.9	
35 trans-1,2-Dichloroethene	96	7.781	7.781	0.000	84	331888	25.0	24.4	
34 Acrylonitrile	53	7.812	7.812	0.000	98	3336086	250.0	242.4	
36 Hexane	57	7.976	7.976	0.000	90	763670	25.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.274	8.274	0.000	96	3918433	50.0	50.2	
40 1,1-Dichloroethane	63	8.335	8.335	0.000	85	815347	25.0	24.4	
44 2-Butanone (MEK)	43	9.016	9.016	0.000	94	2382230	125.0	122.4	
45 2,2-Dichloropropane	77	9.034	9.034	0.000	53	395547	25.0	24.6	
43 cis-1,2-Dichloroethene	96	9.053	9.053	0.000	77	371972	25.0	23.1	
50 Chlorobromomethane	128	9.381	9.381	0.000	72	177931	25.0	24.5	
51 Tetrahydrofuran	42	9.399	9.399	0.000	91	649815	50.0	46.9	
49 Chloroform	83	9.412	9.412	0.000	73	551955	25.0	24.4	
52 1,1,1-Trichloroethane	97	9.655	9.655	0.000	86	514629	25.0	24.4	
54 Cyclohexane	56	9.691	9.691	0.000	91	1115098	25.0	23.7	
56 1,1-Dichloropropene	75	9.825	9.825	0.000	70	427269	25.0	24.4	
55 Carbon tetrachloride	117	9.843	9.843	0.000	39	461137	25.0	24.9	
53 Isobutyl alcohol	43	9.843	9.843	0.000	91	1245892	625.0	611.7	
57 Benzene	78	10.123	10.123	0.000	86	1264530	25.0	24.4	
60 1,2-Dichloroethane	62	10.184	10.184	0.000	66	694453	25.0	24.3	
59 n-Heptane	43	10.184	10.184	0.000	92	858094	25.0	23.9	
62 Trichloroethene	95	10.878	10.878	0.000	87	336811	25.0	24.2	
64 Methylcyclohexane	83	11.078	11.078	0.000	86	443113	25.0	23.9	
63 1,2-Dichloropropane	63	11.224	11.224	0.000	83	470469	25.0	24.5	
68 1,4-Dioxane	88	11.340	11.340	0.000	80	59291	500.0	493.5	
69 Dibromomethane	93	11.425	11.425	0.000	87	218930	25.0	23.6	
70 Dichlorobromomethane	83	11.559	11.559	0.000	85	435560	25.0	24.6	
71 2-Chloroethyl vinyl ether	63	11.808	11.808	0.000	77	333203	25.0	24.9	
73 cis-1,3-Dichloropropene	75	12.088	12.088	0.000	71	534865	25.0	24.6	
75 4-Methyl-2-pentanone (MIBK	43	12.192	12.192	0.000	95	4856317	125.0	123.5	
76 Toluene	92	12.514	12.514	0.000	89	846077	25.0	24.6	
77 Ethyl methacrylate	69	12.733	12.733	0.000	80	429771	25.0	24.2	
78 trans-1,3-Dichloropropene	75	12.806	12.806	0.000	79	495491	25.0	24.2	
79 1,1,2-Trichloroethane	83	13.092	13.092	0.000	85	246674	25.0	23.2	
80 Tetrachloroethene	166	13.238	13.238	0.000	87	345675	25.0	23.8	
83 2-Hexanone	43	13.281	13.281	0.000	96	3525833	125.0	123.5	
82 1,3-Dichloropropane	76	13.329	13.329	0.000	80	499885	25.0	24.0	
81 Chlorodibromomethane	129	13.664	13.664	0.000	85	357366	25.0	23.6	
85 Ethylene Dibromide	107	13.865	13.865	0.000	98	319448	25.0	23.6	
87 Chlorobenzene	112	14.418	14.418	0.000	89	989063	25.0	24.4	
89 Ethylbenzene	91	14.467	14.467	0.000	88	1572187	25.0	24.8	
88 1,1,1,2-Tetrachloroethane	131	14.504	14.504	0.000	86	340887	25.0	24.0	
90 m-Xylene & p-Xylene	106	14.601	14.601	0.000	0	602384	25.0	24.2	
93 o-Xylene	106	15.148	15.148	0.000	93	604232	25.0	24.6	
94 Styrene	104	15.173	15.173	0.000	87	1060626	25.0	25.0	
92 Bromoform	173	15.568	15.568	0.000	52	261897	25.0	24.4	
95 Isopropylbenzene	105	15.580	15.580	0.000	94	1492769	25.0	25.4	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	87	410940	25.0	24.7	
98 trans-1,4-Dichloro-2-buten	53	16.097	16.097	0.000	38	299611	25.0	24.8	
99 N-Propylbenzene	91	16.103	16.103	0.000	94	1760534	25.0	24.8	
100 Bromobenzene	156	16.128	16.128	0.000	84	452008	25.0	24.7	
101 1,2,3-Trichloropropane	110	16.140	16.140	0.000	32	127809	25.0	23.7	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	89	1262753	25.0	25.2	
103 2-Chlorotoluene	126	16.310	16.310	0.000	93	376791	25.0	24.6	
105 4-Chlorotoluene	126	16.438	16.438	0.000	98	394784	25.0	24.5	
106 tert-Butylbenzene	134	16.736	16.736	0.000	94	267140	25.0	25.1	
107 1,2,4-Trimethylbenzene	105	16.797	16.797	0.000	69	1342054	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.998	16.998	0.000	96	1485223	25.0	24.9	
112 4-Isopropyltoluene	119	17.144	17.144	0.000	96	1362406	25.0	25.4	
110 1,3-Dichlorobenzene	146	17.265	17.265	0.000	96	786137	25.0	24.5	
111 1,4-Dichlorobenzene	146	17.369	17.369	0.000	90	808283	25.0	24.6	
115 n-Butylbenzene	91	17.661	17.661	0.000	95	1137489	25.0	24.7	
116 1,2-Dichlorobenzene	146	17.868	17.868	0.000	94	796466	25.0	25.2	
117 1,2-Dibromo-3-Chloropropan	75	18.914	18.914	0.000	68	92991	25.0	24.3	
119 1,2,4-Trichlorobenzene	180	20.021	20.021	0.000	93	554438	25.0	25.2	
120 Hexachlorobutadiene	225	20.143	20.143	0.000	77	190099	25.0	24.6	
121 Naphthalene	128	20.472	20.472	0.000	96	1560934	25.0	24.9	
122 1,2,3-Trichlorobenzene	180	20.849	20.849	0.000	94	518289	25.0	24.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00116	Amount Added: 12.50	Units: uL	
GAS CORP mix_00253	Amount Added: 12.50	Units: uL	
P 8260 IS_00247	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00242	Amount Added: 1.25	Units: uL	Run Reagent

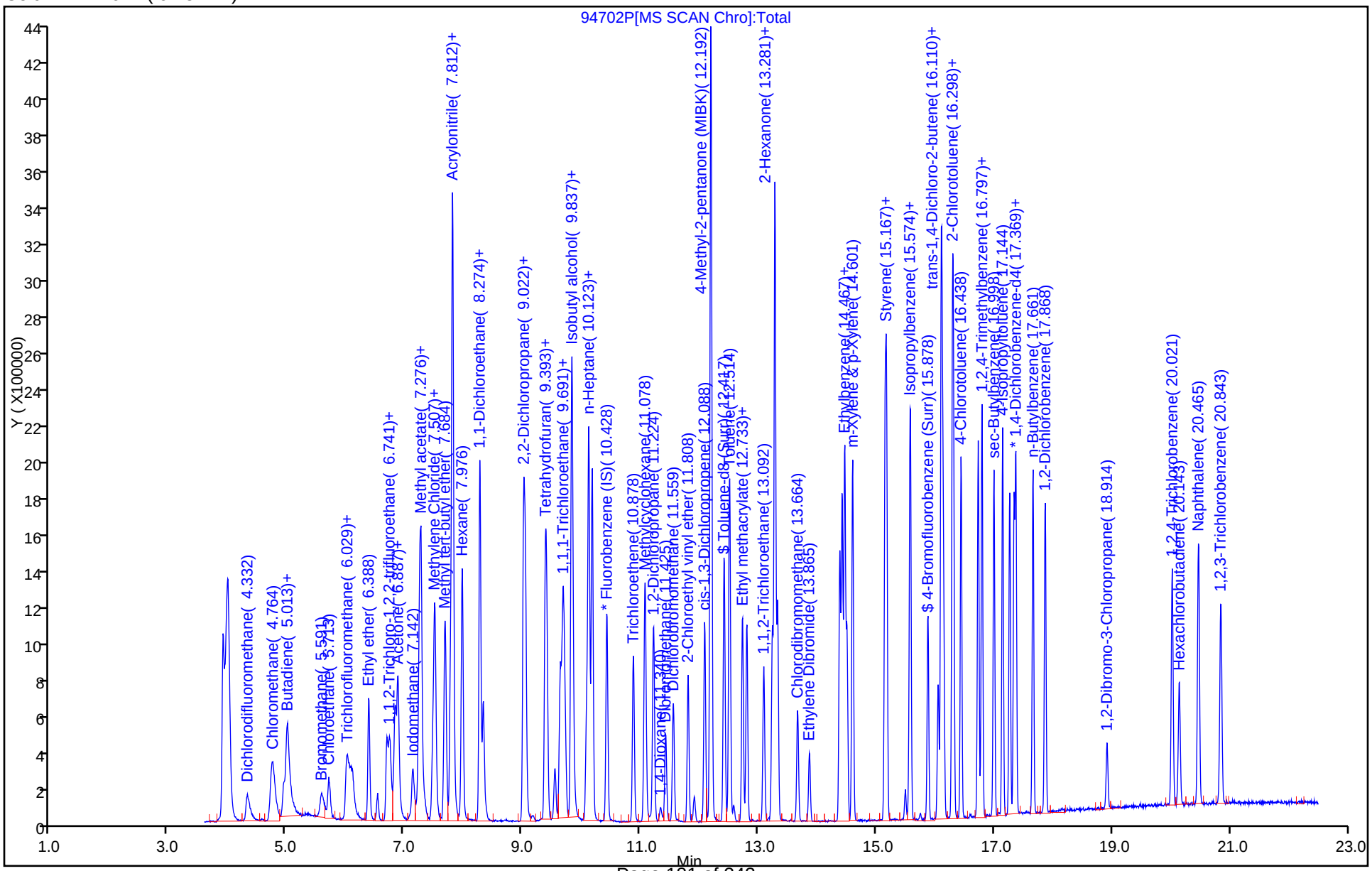
Report Date: 06-Dec-2017 12:17:57 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94702P.D

Injection Date:	05-Dec-2017 15:21:30	Instrument ID:	HP5973P	Operator ID:	RF/RB
Lims ID:	ICIS 5			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	100
Method:	P-8260H2O	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

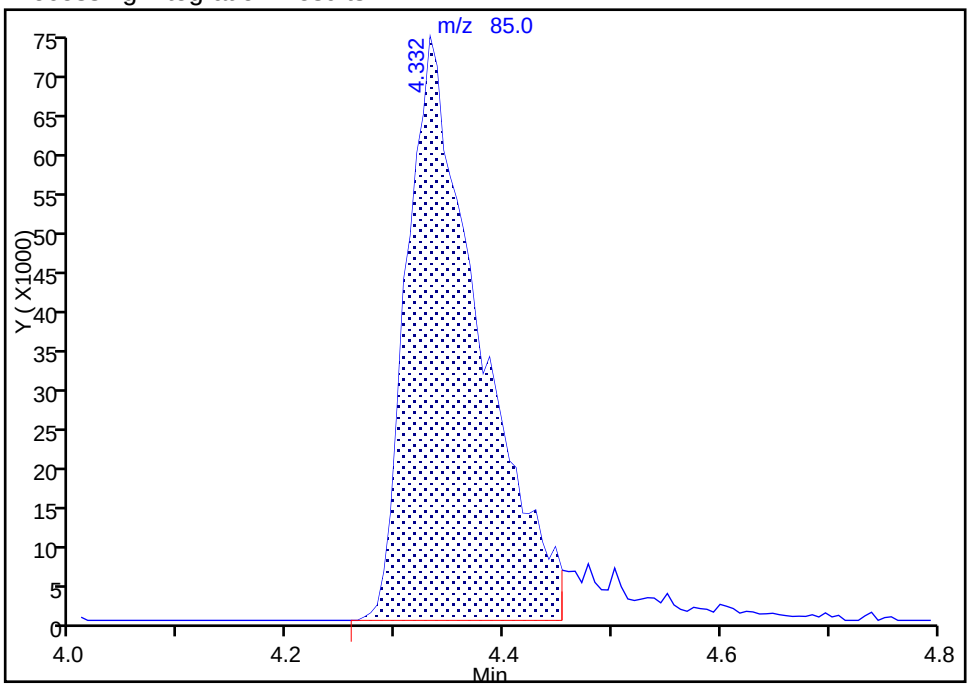
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94702P.D
Injection Date: 05-Dec-2017 15:21:30 Instrument ID: HP5973P
Lims ID: ICIS 5
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

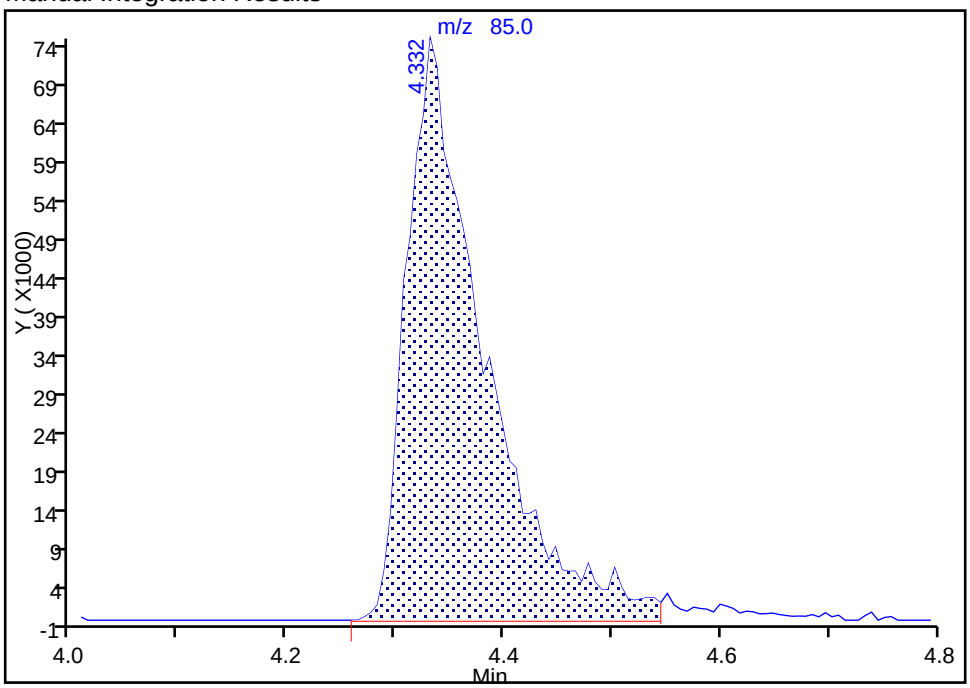
Processing Integration Results

RT: 4.33
Area: 344878
Amount: 24.141851
Amount Units: ug/L



Manual Integration Results

RT: 4.33
Area: 370492
Amount: 24.779129
Amount Units: ug/L



Reviewer: baroner, 06-Dec-2017 08:49:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94703P.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 05-Dec-2017 16:00:30 ALS Bottle#: 100 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 6
Misc. Info.: 480-0067727-012
Operator ID: RF/RB Instrument ID: HP5973P
Sublist: chrom-P-8260H2O*sub11

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2017 12:18:00 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: baroner Date: 06-Dec-2017 09:15:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.434	10.434	0.000	96	212105	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	92	453751	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.339	17.338	0.001	93	492730	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	9.631	9.631	0.000	93	292998	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	10.087	10.081	0.006	0	185958	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	12.423	12.417	0.006	94	1052671	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.879	15.878	0.000	90	383554	25.0	25.6	
10 Dichlorodifluoromethane	85	4.332	4.332	0.000	96	862227	50.0	55.8	
11 Chloromethane	50	4.758	4.752	0.006	99	2479822	50.0	52.8	
17 Vinyl chloride	62	4.952	4.952	0.000	97	1081867	50.0	52.2	
144 Butadiene	54	5.013	5.013	0.000	96	1398958	50.0	55.9	
12 Bromomethane	94	5.603	5.591	0.012	93	523476	50.0	48.3	
13 Chloroethane	64	5.713	5.713	0.000	91	620308	50.0	55.4	
19 Dichlorofluoromethane	67	6.029	6.029	0.000	96	1461436	50.0	50.5	
14 Trichlorofluoromethane	101	6.084	6.078	0.006	97	1280679	50.0	54.5	
20 Ethyl ether	59	6.388	6.388	0.000	83	1036671	50.0	49.1	
22 Acrolein	56	6.698	6.698	0.000	99	933556	250.0	245.1	
16 1,1,2-Trichloro-1,2,2-trif	101	6.747	6.747	0.000	94	750809	50.0	54.4	
25 1,1-Dichloroethene	96	6.844	6.832	0.012	88	721413	50.0	51.1	
24 Acetone	43	6.887	6.887	0.000	97	2941648	250.0	230.4	
18 Iodomethane	142	7.136	7.136	0.000	99	1214945	50.0	56.8	
27 Carbon disulfide	76	7.258	7.258	0.000	59	2711710	50.0	50.8	
30 Methyl acetate	43	7.252	7.252	0.000	98	2952634	100.0	92.0	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	94	2997703	50.0	50.6	
33 2-Methyl-2-propanol	59	7.501	7.495	0.006	95	1760629	500.0	533.7	
31 Methylene Chloride	84	7.514	7.513	0.001	82	738784	50.0	45.0	
32 Methyl tert-butyl ether	73	7.690	7.684	0.006	84	2087844	50.0	50.2	
35 trans-1,2-Dichloroethene	96	7.781	7.781	0.000	86	688695	50.0	48.9	
34 Acrylonitrile	53	7.812	7.812	0.000	97	6790399	500.0	477.3	
36 Hexane	57	7.976	7.976	0.000	91	1829886	50.0	55.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.274	8.274	0.000	96	7865448	100.0	97.4	
40 1,1-Dichloroethane	63	8.335	8.335	0.000	96	1721538	50.0	49.9	
44 2-Butanone (MEK)	43	9.016	9.016	0.000	94	4793941	250.0	238.2	
45 2,2-Dichloropropane	77	9.028	9.034	-0.006	74	839791	50.0	50.5	
43 cis-1,2-Dichloroethene	96	9.053	9.053	0.000	90	777720	50.0	46.7	
50 Chlorobromomethane	128	9.381	9.381	0.000	78	377384	50.0	50.3	
51 Tetrahydrofuran	42	9.393	9.399	-0.006	90	1316281	100.0	91.9	
49 Chloroform	83	9.418	9.412	0.006	91	1158873	50.0	49.6	
52 1,1,1-Trichloroethane	97	9.649	9.655	-0.006	94	1107592	50.0	50.7	
54 Cyclohexane	56	9.698	9.691	0.007	91	2659587	50.0	54.8	
56 1,1-Dichloropropene	75	9.825	9.825	0.000	86	929631	50.0	51.3	
53 Isobutyl alcohol	43	9.844	9.843	0.001	91	2857566	1250.0	1357.4	
55 Carbon tetrachloride	117	9.850	9.843	0.007	51	1002957	50.0	52.3	
57 Benzene	78	10.123	10.123	0.000	88	2671576	50.0	49.9	
59 n-Heptane	43	10.184	10.184	0.000	92	2145205	50.0	57.9	
60 1,2-Dichloroethane	62	10.178	10.184	-0.006	92	1438672	50.0	48.8	
62 Trichloroethene	95	10.884	10.878	0.006	93	723743	50.0	50.3	
64 Methylcyclohexane	83	11.079	11.078	0.001	86	1074157	50.0	56.1	
63 1,2-Dichloropropane	63	11.225	11.224	0.001	84	996081	50.0	50.1	
68 1,4-Dioxane	88	11.346	11.340	0.006	81	167423	1000.0	1366.3	
69 Dibromomethane	93	11.425	11.425	0.000	95	462295	50.0	48.2	
70 Dichlorobromomethane	83	11.559	11.559	0.000	92	935377	50.0	51.2	
71 2-Chloroethyl vinyl ether	63	11.809	11.808	0.001	78	679393	50.0	49.2	
73 cis-1,3-Dichloropropene	75	12.088	12.088	0.000	74	1104473	50.0	49.1	
75 4-Methyl-2-pentanone (MIBK	43	12.198	12.192	0.006	96	9617177	250.0	239.7	
76 Toluene	92	12.514	12.514	0.000	95	1761188	50.0	50.2	
77 Ethyl methacrylate	69	12.733	12.733	0.000	80	882027	50.0	48.8	
78 trans-1,3-Dichloropropene	75	12.800	12.806	-0.006	82	1049077	50.0	50.3	
79 1,1,2-Trichloroethane	83	13.092	13.092	0.000	92	501077	50.0	46.2	
80 Tetrachloroethene	166	13.238	13.238	0.000	95	758126	50.0	51.3	
83 2-Hexanone	43	13.281	13.281	0.000	96	6876165	250.0	236.2	
82 1,3-Dichloropropane	76	13.329	13.329	0.000	91	1036950	50.0	48.8	
81 Chlorodibromomethane	129	13.670	13.664	0.006	88	765958	50.0	49.7	
85 Ethylene Dibromide	107	13.865	13.865	0.000	98	655998	50.0	47.5	
87 Chlorobenzene	112	14.425	14.418	0.007	95	2048630	50.0	49.6	
89 Ethylbenzene	91	14.467	14.467	0.000	97	3274485	50.0	50.6	
88 1,1,1,2-Tetrachloroethane	131	14.504	14.504	0.000	94	730261	50.0	50.5	
90 m-Xylene & p-Xylene	106	14.601	14.601	0.000	0	1282313	50.0	50.6	
93 o-Xylene	106	15.148	15.148	0.000	95	1238961	50.0	49.4	
94 Styrene	104	15.179	15.173	0.006	91	2186733	50.0	50.6	
92 Bromoform	173	15.568	15.568	0.000	91	552444	50.0	50.5	
95 Isopropylbenzene	105	15.580	15.580	0.000	96	3117862	50.0	51.8	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	96	822889	50.0	48.3	
98 trans-1,4-Dichloro-2-buten	53	16.104	16.097	0.007	69	604692	50.0	48.8	
99 N-Propylbenzene	91	16.104	16.103	0.001	98	3740819	50.0	51.4	
100 Bromobenzene	156	16.128	16.128	0.000	84	916880	50.0	48.9	
101 1,2,3-Trichloropropane	110	16.146	16.140	0.006	77	248708	50.0	45.0	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	94	2666333	50.0	52.0	
103 2-Chlorotoluene	126	16.310	16.310	0.000	96	783659	50.0	50.0	
105 4-Chlorotoluene	126	16.444	16.438	0.006	97	833520	50.0	50.6	
106 tert-Butylbenzene	134	16.736	16.736	0.000	97	578541	50.0	53.1	
107 1,2,4-Trimethylbenzene	105	16.797	16.797	0.000	97	2821686	50.0	52.3	

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	16.998	16.998	0.000	96	3197271	50.0	52.4	
112 4-Isopropyltoluene	119	17.144	17.144	0.000	97	2888149	50.0	52.5	
110 1,3-Dichlorobenzene	146	17.266	17.265	0.001	96	1650785	50.0	50.2	
111 1,4-Dichlorobenzene	146	17.369	17.369	0.000	91	1712928	50.0	50.8	
115 n-Butylbenzene	91	17.661	17.661	0.000	97	2471578	50.0	52.4	
116 1,2-Dichlorobenzene	146	17.868	17.868	0.000	96	1653061	50.0	51.1	
117 1,2-Dibromo-3-Chloropropan	75	18.914	18.914	0.000	79	185828	50.0	47.8	
119 1,2,4-Trichlorobenzene	180	20.021	20.021	0.000	94	1167921	50.0	51.9	
120 Hexachlorobutadiene	225	20.137	20.143	-0.006	96	429109	50.0	54.3	
121 Naphthalene	128	20.466	20.472	-0.006	96	3253792	50.0	50.7	
122 1,2,3-Trichlorobenzene	180	20.849	20.849	0.000	95	1122275	50.0	52.1	
S 125 Total BTEX	1				0			250.7	
S 126 Xylenes, Total	1				0			99.9	
S 123 1,2-Dichloroethene, Total	1				0			95.6	
S 124 1,3-Dichloropropene, Total	1				0			99.4	

Reagents:

8260 CORP mix_00116	Amount Added: 25.00	Units: uL	
GAS CORP mix_00253	Amount Added: 25.00	Units: uL	
P 8260 IS_00247	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00242	Amount Added: 1.25	Units: uL	Run Reagent

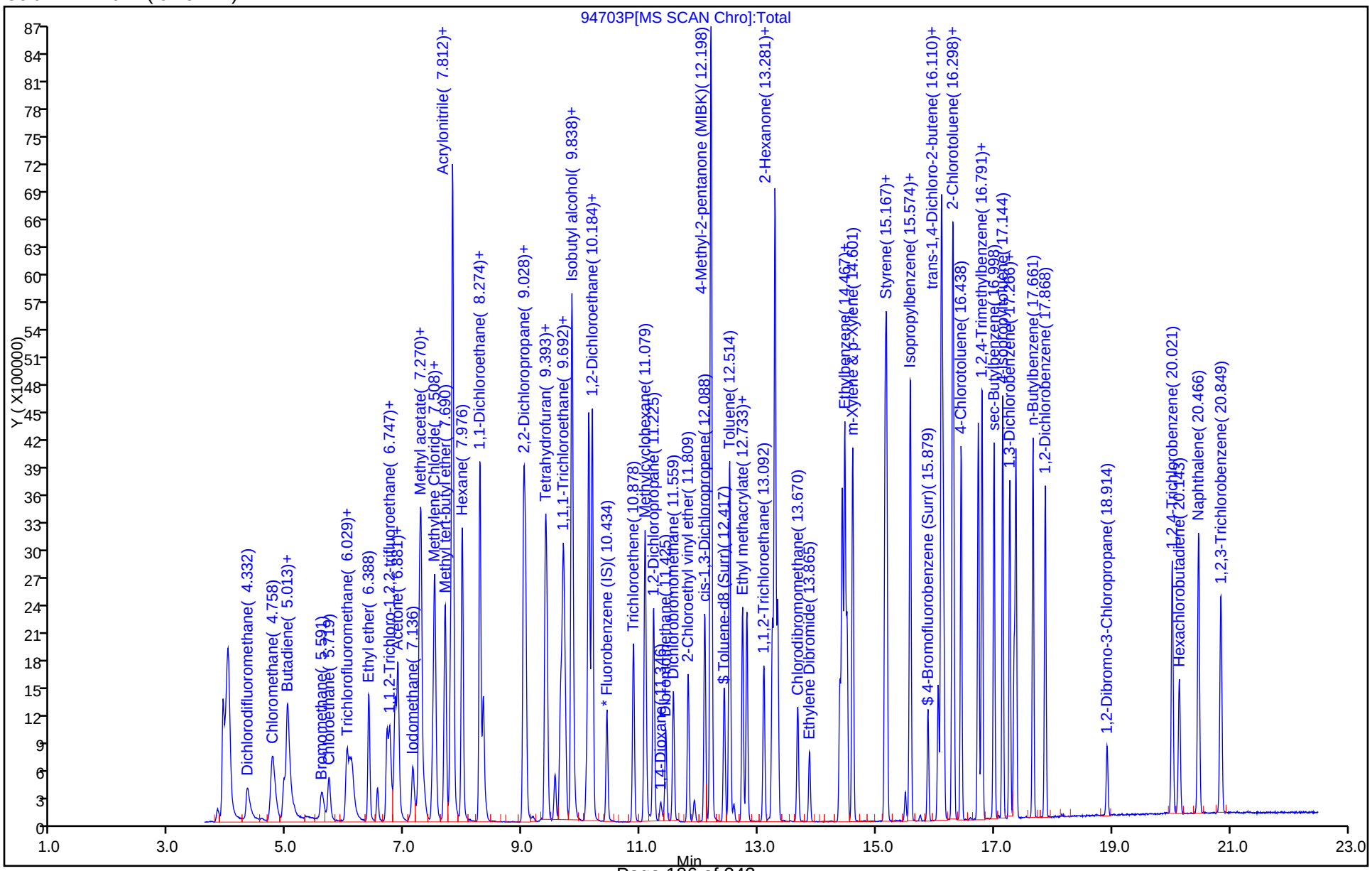
Report Date: 06-Dec-2017 12:18:02 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94703P.D

Injection Date:	05-Dec-2017 16:00:30	Instrument ID:	HP5973P	Operator ID:	RF/RB
Lims ID:	IC 6			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	100
Method:	P-8260H2O	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94704P.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 05-Dec-2017 16:27:30 ALS Bottle#: 100 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 7
Misc. Info.: 480-0067727-013
Operator ID: RF/RB Instrument ID: HP5973P
Sublist: chrom-P-8260H2O*sub11

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2017 12:18:05 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: baroner Date: 06-Dec-2017 09:19:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.427	10.434	-0.007	96	217662	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	91	467016	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.338	17.338	0.000	94	512987	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	9.631	9.631	0.000	93	290809	25.0	24.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	10.087	10.081	0.006	0	193241	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	12.423	12.417	0.006	95	1080364	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.878	15.878	0.000	89	386271	25.0	25.0	
10 Dichlorodifluoromethane	85	4.338	4.332	0.006	97	1580647	100.0	99.7	
11 Chloromethane	50	4.758	4.752	0.006	99	5011496	100.0	104.0	
17 Vinyl chloride	62	4.952	4.952	0.000	97	2250636	100.0	105.7	
144 Butadiene	54	5.013	5.013	0.000	96	2704898	100.0	105.4	
12 Bromomethane	94	5.603	5.591	0.012	91	1114688	100.0	100.2	
13 Chloroethane	64	5.725	5.713	0.012	91	1308130	100.0	113.9	
19 Dichlorofluoromethane	67	6.023	6.029	-0.006	96	2983185	100.0	100.4	
14 Trichlorofluoromethane	101	6.084	6.078	0.006	98	2376087	100.0	98.5	
20 Ethyl ether	59	6.394	6.388	0.006	84	2158588	100.0	99.7	
22 Acrolein	56	6.698	6.698	0.000	99	2029433	500.0	519.2	
16 1,1,2-Trichloro-1,2,2-trif	101	6.747	6.747	0.000	92	1391030	100.0	98.1	
25 1,1-Dichloroethene	96	6.838	6.832	0.006	87	1429852	100.0	98.5	
24 Acetone	43	6.887	6.887	0.000	97	6245064	500.0	476.7	
18 Iodomethane	142	7.142	7.136	0.006	99	2407088	100.0	109.6	
30 Methyl acetate	43	7.252	7.252	0.000	98	6276652	200.0	190.6	
27 Carbon disulfide	76	7.252	7.258	-0.006	55	5561692	100.0	101.5	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	92	6066049	100.0	99.8	
33 2-Methyl-2-propanol	59	7.501	7.495	0.006	96	3248456	1000.0	959.5	
31 Methylene Chloride	84	7.513	7.513	0.000	83	1524145	100.0	90.4	
32 Methyl tert-butyl ether	73	7.684	7.684	0.000	84	4391530	100.0	102.9	
35 trans-1,2-Dichloroethene	96	7.775	7.781	-0.006	86	1422858	100.0	98.5	
34 Acrylonitrile	53	7.812	7.812	0.000	96	14119806	1000.0	967.2	
36 Hexane	57	7.976	7.976	0.000	93	3476498	100.0	102.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.274	8.274	0.000	96	15866194	200.0	191.5	
40 1,1-Dichloroethane	63	8.335	8.335	0.000	96	3584078	100.0	101.2	
44 2-Butanone (MEK)	43	9.016	9.016	0.000	94	10090831	500.0	488.7	
45 2,2-Dichloropropane	77	9.028	9.034	-0.006	79	1695984	100.0	99.4	
43 cis-1,2-Dichloroethene	96	9.053	9.053	0.000	90	1569420	100.0	91.9	
50 Chlorobromomethane	128	9.387	9.381	0.006	78	782787	100.0	101.7	
51 Tetrahydrofuran	42	9.393	9.399	-0.006	90	2772574	200.0	188.7	
49 Chloroform	83	9.418	9.412	0.006	90	2386775	100.0	99.5	
52 1,1,1-Trichloroethane	97	9.649	9.655	-0.006	94	2274608	100.0	101.5	
54 Cyclohexane	56	9.691	9.691	0.000	90	5082646	100.0	102.0	
56 1,1-Dichloropropene	75	9.825	9.825	0.000	86	1902537	100.0	102.3	
55 Carbon tetrachloride	117	9.843	9.843	0.000	94	2040427	100.0	103.7	
53 Isobutyl alcohol	43	9.837	9.843	-0.006	92	5364620	2500.0	2483.2	
57 Benzene	78	10.123	10.123	0.000	87	5413376	100.0	98.6	
60 1,2-Dichloroethane	62	10.178	10.184	-0.006	92	3043946	100.0	100.5	
59 n-Heptane	43	10.184	10.184	0.000	90	3759900	100.0	98.8	
62 Trichloroethene	95	10.878	10.878	0.000	92	1493267	100.0	101.2	
64 Methylcyclohexane	83	11.078	11.078	0.000	86	2012875	100.0	102.4	
63 1,2-Dichloropropane	63	11.224	11.224	0.000	85	2107142	100.0	103.3	
68 1,4-Dioxane	88	11.334	11.340	-0.006	78	229517	2000.0	1819.8	
69 Dibromomethane	93	11.425	11.425	0.000	94	978386	100.0	99.5	
70 Dichlorobromomethane	83	11.559	11.559	0.000	92	1946285	100.0	103.8	
71 2-Chloroethyl vinyl ether	63	11.808	11.808	0.000	78	1509739	100.0	106.6	
73 cis-1,3-Dichloropropene	75	12.094	12.088	0.006	75	2382441	100.0	103.2	
75 4-Methyl-2-pentanone (MIBK	43	12.198	12.192	0.006	98	18681647	500.0	452.4	
76 Toluene	92	12.514	12.514	0.000	95	3665521	100.0	101.5	
77 Ethyl methacrylate	69	12.733	12.733	0.000	81	1942627	100.0	104.4	
78 trans-1,3-Dichloropropene	75	12.806	12.806	0.000	84	2236101	100.0	104.1	
79 1,1,2-Trichloroethane	83	13.092	13.092	0.000	92	1086779	100.0	97.4	
80 Tetrachloroethene	166	13.238	13.238	0.000	94	1537979	100.0	101.0	
83 2-Hexanone	43	13.281	13.281	0.000	98	14081437	500.0	469.9	
82 1,3-Dichloropropane	76	13.329	13.329	0.000	89	2191450	100.0	100.2	
81 Chlorodibromomethane	129	13.664	13.664	0.000	87	1641826	100.0	103.5	
85 Ethylene Dibromide	107	13.865	13.865	0.000	100	1438270	100.0	101.2	
87 Chlorobenzene	112	14.424	14.418	0.006	92	4221459	100.0	99.3	
89 Ethylbenzene	91	14.467	14.467	0.000	97	6777852	100.0	101.8	
88 1,1,1,2-Tetrachloroethane	131	14.503	14.504	-0.001	95	1519150	100.0	102.0	
90 m-Xylene & p-Xylene	106	14.601	14.601	0.000	0	2714193	100.0	104.0	
93 o-Xylene	106	15.154	15.148	0.006	97	2601528	100.0	100.7	
94 Styrene	104	15.179	15.173	0.006	91	4608861	100.0	103.6	
92 Bromoform	173	15.568	15.568	0.000	95	1204827	100.0	107.0	
95 Isopropylbenzene	105	15.580	15.580	0.000	96	6456573	100.0	103.1	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	96	1810492	100.0	102.1	
98 trans-1,4-Dichloro-2-buten	53	16.097	16.097	0.000	55	1334595	100.0	103.5	
99 N-Propylbenzene	91	16.103	16.103	0.000	98	7736436	100.0	102.1	
100 Bromobenzene	156	16.128	16.128	0.000	83	1908567	100.0	97.9	
101 1,2,3-Trichloropropane	110	16.146	16.140	0.006	82	547085	100.0	95.0	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	95	5531632	100.0	103.7	
103 2-Chlorotoluene	126	16.310	16.310	0.000	95	1625900	100.0	99.7	
105 4-Chlorotoluene	126	16.438	16.438	0.000	97	1725673	100.0	100.7	
106 tert-Butylbenzene	134	16.730	16.736	-0.006	97	1183248	100.0	104.4	
107 1,2,4-Trimethylbenzene	105	16.797	16.797	0.000	97	5830509	100.0	103.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.998	16.998	0.000	96	6517554	100.0	102.6	
112 4-Isopropyltoluene	119	17.144	17.144	0.000	97	5833334	100.0	101.9	
110 1,3-Dichlorobenzene	146	17.265	17.265	0.000	96	3450226	100.0	100.9	
111 1,4-Dichlorobenzene	146	17.369	17.369	0.000	91	3556190	100.0	101.4	
115 n-Butylbenzene	91	17.661	17.661	0.000	98	5036674	100.0	102.5	
116 1,2-Dichlorobenzene	146	17.868	17.868	0.000	95	3443285	100.0	102.3	
117 1,2-Dibromo-3-Chloropropan	75	18.914	18.914	0.000	76	417517	100.0	103.6	
119 1,2,4-Trichlorobenzene	180	20.021	20.021	0.000	94	2374822	100.0	101.4	
120 Hexachlorobutadiene	225	20.143	20.143	0.000	96	849658	100.0	103.3	
121 Naphthalene	128	20.465	20.472	-0.007	96	6966696	100.0	104.4	
122 1,2,3-Trichlorobenzene	180	20.849	20.849	0.000	95	2276429	100.0	101.5	
S 123 1,2-Dichloroethene, Total	1				0			190.4	
S 124 1,3-Dichloropropene, Total	1				0			207.3	
S 125 Total BTEX	1				0			506.6	
S 126 Xylenes, Total	1				0			204.7	

Reagents:

8260 CORP mix_00116	Amount Added: 50.00	Units: uL		
GAS CORP mix_00253	Amount Added: 50.00	Units: uL		
P 8260 IS_00247	Amount Added: 1.25	Units: uL	Run Reagent	
P 8260 Surr._00242	Amount Added: 1.25	Units: uL	Run Reagent	

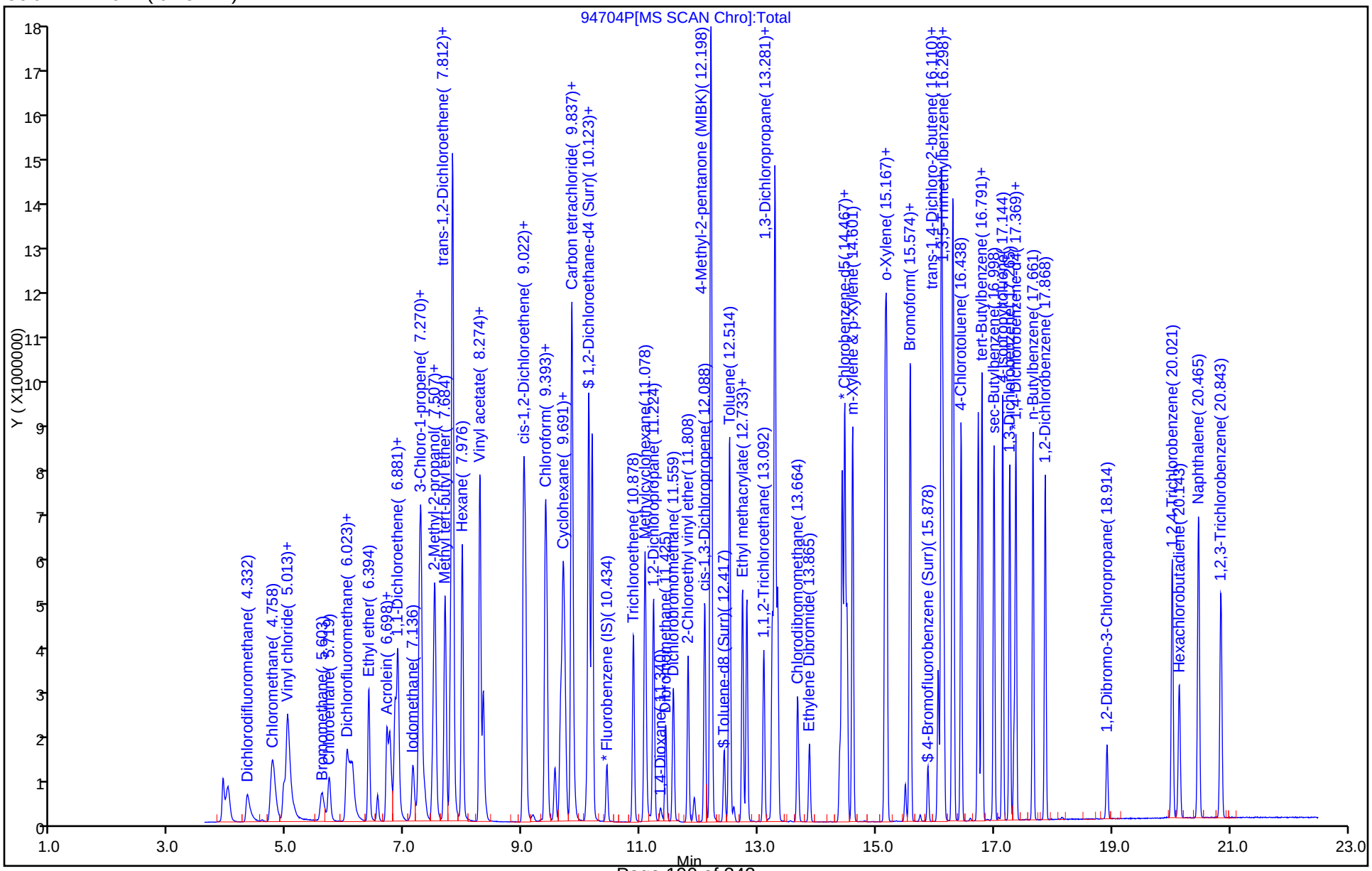
Report Date: 06-Dec-2017 12:18:07 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94704P.D

Injection Date:	05-Dec-2017 16:27:30	Instrument ID:	HP5973P	Operator ID:	RF/RB
Lims ID:	IC 7			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	100
Method:	P-8260H2O	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-385713/8	S3869.D
Level 2	IC 480-385713/9	S3870.D
Level 3	IC 480-385713/10	S3871.D
Level 4	IC 480-385713/11	S3872.D
Level 5	IC 480-385713/12	S3873.D
Level 6	ICIS 480-385713/13	S3874.D
Level 7	IC 480-385713/14	S3875.D
Level 8	IC 480-385713/15	S3876.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	+++++ 1.0602	0.3603 1.1048	0.5633 1.0549	0.9294	0.9537	Lin1	-0.825	1.0812			0.1000				0.9990		0.9900
Chloromethane	+++++ 1.6567	1.5151 1.7579	1.4112 1.7123	1.5889	1.4962	Ave		1.5912			0.1000	7.9		20.0			
Vinyl chloride	+++++ 1.3546	0.8332 1.4556	0.9217 1.4558	1.1935	1.2439	Lin1	-0.900	1.4488			0.1000				0.9990		0.9900
Butadiene	+++++ 1.4269	1.0095 1.5274	1.1526 1.4353	1.3666	1.3448	Ave		1.3233				13.6		20.0			
Bromomethane	+++++ 0.8672	0.8338 0.8668	0.8903 0.8925	0.6813	0.8137	Ave		0.8351			0.1000	8.8		20.0			
Chloroethane	+++++ 0.8923	0.6900 0.9667	0.6255 0.9358	0.8391	0.8204	Ave		0.8242			0.1000	15.3		20.0			
Dichlorofluoromethane	+++++ 1.9387	1.3491 1.9381	1.7489 1.9701	2.2209	1.9035	Ave		1.8670				14.3		20.0			
Trichlorofluoromethane	+++++ 1.6723	0.6945 1.8028	0.9551 1.7157	1.4635	1.3684	Lin1	-1.356	1.7441			0.1000				0.9980		0.9900
Ethyl ether	1.1941 1.3237	1.0485 1.3885	1.1592 1.4120	1.1656	1.2151	Ave		1.2383				10.1		20.0			
Acrolein	0.3637 0.2616	0.2587 0.2849	0.2872 0.2998	0.2455	0.2479	Ave		0.2812				13.8		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.9539	0.5377 0.9684	0.5246 0.9087	0.8904	0.8888	Lin1	-0.486	0.9402			0.1000				0.9980		0.9900
1,1-Dichloroethene	0.6086 1.1496	0.7117 1.2414	1.0693 1.2042	1.1160	1.0762	Lin1	-0.385	1.2083			0.1000				0.9990		0.9900
Acetone	+++++ 0.4721	0.6648 0.5017	0.4931 0.5381	0.4753	0.4250	Ave		0.5100			0.1000	15.0		20.0			
Iodomethane	+++++ 1.8382	1.0655 1.9475	1.2887 2.0693	1.4742	1.5936	Lin1	-1.488	2.0084							0.9970		0.9900

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.: 480-129453-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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	+++++ 3.8255	2.7822 4.0567	2.7978 3.9871	3.3507	3.4948	Ave		3.4707			0.1000	15.2		20.0			
Allyl chloride	2.7598 2.4304	1.9215 2.6227	1.8002 2.6409	2.2170	2.1727	Ave		2.3206				15.1		20.0			
Methyl acetate	1.3704 1.3078	1.3046 1.4021	1.2917 1.4685	1.2954	1.1790	Ave		1.3274			0.1000	6.5		20.0			
Methylene Chloride	1.3191 1.2875	1.2561 1.3607	1.2011 1.3702	1.1919	1.2218	Ave		1.2760			0.1000	5.5		20.0			
2-Methyl-2-propanol	0.2152 0.1860	0.1629 0.1906	0.1793 0.2133	0.1813	0.1599	Ave		0.1861				10.9		20.0			
Methyl tert-butyl ether	3.4639 4.0459	3.4924 4.3190	3.9687 4.3094	3.7146	3.7303	Ave		3.8805			0.1000	8.6		20.0			
trans-1,2-Dichloroethene	0.9922 1.3056	1.1447 1.3475	1.1371 1.3403	1.2019	1.1625	Ave		1.2040			0.1000	10.1		20.0			
Acrylonitrile	0.5739 0.6533	0.5067 0.6898	0.6341 0.7068	0.5896	0.5773	Ave		0.6164				10.9		20.0			
Hexane	1.7142 2.1520	1.6101 2.2537	1.4967 2.1992	2.1078	2.0689	Ave		1.9503				15.1		20.0			
1,1-Dichloroethane	1.8721 2.4369	1.8917 2.5811	1.8725 2.5809	2.1961	2.2411	Ave		2.2090			0.2000	13.9		20.0			
Vinyl acetate	2.5911 3.5138	2.4350 3.6307	3.3494 3.6823	3.0186	3.0738	Ave		3.1619				14.8		20.0			
2,2-Dichloropropane	1.4474 1.6693	1.2529 1.7155	1.3829 1.6870	1.5077	1.5497	Ave		1.5266				10.6		20.0			
cis-1,2-Dichloroethene	1.1911 1.4473	1.1428 1.5021	1.3516 1.5339	1.3499	1.3642	Ave		1.3604			0.1000	10.2		20.0			
2-Butanone (MEK)	0.9123 0.8132	0.7075 0.8776	0.6761 0.9185	0.7329	0.7301	Ave		0.7960			0.1000	12.2		20.0			
Chlorobromomethane	+++++ 0.6788	0.6156 0.7421	0.6580 0.7571	0.6076	0.6339	Ave		0.6705				8.9		20.0			
Tetrahydrofuran	+++++ 0.5480	0.6130 0.5756	0.5977 0.6220	0.5455	0.4935	Ave		0.5708				7.9		20.0			
Chloroform	2.0691 2.1826	1.5959 2.2854	1.9664 2.3157	1.9455	2.0077	Ave		2.0460			0.2000	11.2		20.0			
1,1,1-Trichloroethane	1.4161 1.8911	1.4529 1.9775	1.4417 1.9823	1.7159	1.7632	Ave		1.7051			0.1000	14.1		20.0			
Cyclohexane	1.4978 2.3444	1.7292 2.5974	1.6965 2.5054	2.2862	2.3571	Ave		2.1268			0.1000	19.7		20.0			
Carbon tetrachloride	+++++ 1.7457	1.1917 1.8308	1.3062 1.8111	1.5488	1.5971	Ave		1.5759			0.1000	15.8		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
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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	+++++ 1.7906	1.1583 1.8729	1.2853 1.8575	1.5882	1.6285	Ave		1.5973				17.6		20.0			
Benzene	4.4542 5.1839	4.4183 5.4547	4.4034 5.4596	4.6687	4.8193	Ave		4.8578			0.5000	9.3		20.0			
Isobutyl alcohol	0.1064 0.0983	0.0857 0.0987	0.0936 0.1071	0.0839	0.0832	Ave		0.0946				10.2		20.0			
1,2-Dichloroethane	1.8710 1.9261	1.7539 2.0408	1.9038 2.0889	1.7902	1.7845	Ave		1.8949			0.1000	6.4		20.0			
n-Heptane	1.9392 2.4825	1.7225 2.5619	1.9947 2.5182	2.1095	2.2995	Ave		2.2035				14.0		20.0			
Trichloroethene	0.9556 1.3572	0.9443 1.4396	1.0910 1.4625	1.2600	1.2641	Ave		1.2218			0.2000	16.7		20.0			
Methylcyclohexane	1.4597 2.1508	1.4746 2.3347	1.5281 2.2071	1.9793	1.9647	Ave		1.8874			0.1000	18.7		20.0			
1,2-Dichloropropane	1.2627 1.4214	1.2121 1.4760	1.3203 1.5352	1.2381	1.2660	Ave		1.3415			0.1000	9.0		20.0			
Dibromomethane	0.7418 0.8157	0.5875 0.8648	0.8113 0.8979	0.7027	0.7622	Ave		0.7730			0.1000	12.7		20.0			
1,4-Dioxane	+++++ 0.0089	+++++ 0.0090	0.0054 0.0096	0.0075	0.0084	Lin1	-0.188	0.0095							0.9990		0.9900
Dichlorobromomethane	1.3370 1.6940	1.3848 1.8517	1.5596 1.8483	1.5321	1.5257	Ave		1.5916			0.2000	12.1		20.0			
2-Chloroethyl vinyl ether	+++++ 1.0482	0.7907 1.1021	0.9110 1.1439	0.8835	0.8954	Ave		0.9678				13.5		20.0			
cis-1,3-Dichloropropene	+++++ 2.0862	1.5037 2.2690	1.6926 2.3180	1.8692	1.9218	Ave		1.9515			0.2000	15.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.8300 0.8865	0.6977 0.8984	0.9109 0.8945	0.8199	0.8114	Ave		0.8437			0.1000	8.4		20.0			
Toluene	1.2861 1.7113	1.3273 1.7789	1.4848 1.8310	1.4996	1.5549	Ave		1.5593			0.4000	12.9		20.0			
trans-1,3-Dichloropropene	0.6596 1.0140	0.7609 1.0608	0.8792 1.1188	0.8503	0.8475	Ave		0.8989			0.1000	17.3		20.0			
Ethyl methacrylate	0.9287 0.9477	0.6864 0.9890	0.9450 1.0426	0.8180	0.8578	Ave		0.9019				12.4		20.0			
1,1,2-Trichloroethane	0.3537 0.4746	0.4167 0.4880	0.4407 0.5269	0.4261	0.4232	Ave		0.4437			0.1000	11.9		20.0			
Tetrachloroethene	+++++ 0.7677	0.5270 0.7859	0.5838 0.8231	0.6532	0.7143	Ave		0.6936			0.2000	15.9		20.0			
1,3-Dichloropropane	0.8436 1.0393	0.8658 1.0734	0.9828 1.1358	0.9451	0.9592	Ave		0.9806				10.2		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.: 480-129453-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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	0.5010 0.6356	0.5554 0.6532	0.6632 0.6646	0.5369	0.5824	Ave		0.5990			0.1000	10.6		20.0			
Chlorodibromomethane	0.5075 0.6723	0.4741 0.7051	0.5259 0.7598	0.5849	0.5624	Ave		0.5990			0.1000	17.1		20.0			
Ethylene Dibromide	0.4852 0.6135	0.4655 0.6435	0.5892 0.6758	0.5663	0.5472	Ave		0.5733				12.8		20.0			
Chlorobenzene	1.5672 1.9374	1.4632 1.9660	1.6557 2.0541	1.6868	1.7333	Ave		1.7580			0.5000	11.8		20.0			
Ethylbenzene	2.8052 3.1857	2.4635 3.3041	2.8522 3.3094	2.8498	2.8787	Ave		2.9561			0.1000	9.8		20.0			
1,1,1,2-Tetrachloroethane	0.5161 0.7092	0.5196 0.7188	0.6460 0.7469	0.5921	0.6050	Ave		0.6317				14.1		20.0			
m-Xylene & p-Xylene	0.8083 1.2472	1.0168 1.2815	1.1411 1.3495	1.0692	1.1293	Ave		1.1304			0.1000	15.1		20.0			
o-Xylene	0.9165 1.2159	0.8764 1.2612	1.0798 1.3072	1.0896	1.1003	Ave		1.1059			0.3000	13.9		20.0			
Styrene	1.4816 2.1012	1.5662 2.1699	1.7310 2.2362	1.8074	1.7916	Ave		1.8606			0.3000	15.1		20.0			
Bromoform	+++++ 0.4634	0.2847 0.4785	0.3206 +++++	0.3638	0.3913	Ave		0.3837			0.1000	20.0		20.0			
Isopropylbenzene	2.2988 3.1121	2.5062 3.2764	2.5665 3.3439	2.8406	2.9057	Ave		2.8563			0.1000	13.2		20.0			
Bromobenzene	0.6093 0.8089	0.6146 0.8654	0.7863 0.9255	0.7298	0.7365	Ave		0.7595				14.7		20.0			
1,1,2,2-Tetrachloroethane	0.6485 0.7742	0.5707 0.8140	0.7817 0.8588	0.7184	0.6938	Ave		0.7325			0.3000	12.8		20.0			
1,2,3-Trichloropropane	0.1812 0.2516	0.2203 0.2769	0.3098 0.2863	0.2452	0.2368	Ave		0.2510				16.1		20.0			
N-Propylbenzene	2.8878 3.7279	2.6697 3.8493	3.0708 3.8472	3.4050	3.3868	Ave		3.3556				13.3		20.0			
trans-1,4-Dichloro-2-butene	0.1108 0.2391	0.0862 0.2733	0.1326 0.3235	0.1517	0.1991	Ave		0.1895				44.2	*	20.0			
2-Chlorotoluene	+++++ 0.7562	0.5823 0.8116	0.6694 0.8534	0.6911	0.6951	Ave		0.7227				12.7		20.0			
1,3,5-Trimethylbenzene	2.0309 2.6179	2.0508 2.7871	2.2512 2.8258	2.4137	2.4923	Ave		2.4337				12.6		20.0			
4-Chlorotoluene	0.5076 0.8089	0.6585 0.8399	0.6418 0.8971	0.7171	0.7383	Ave		0.7261				17.2		20.0			
tert-Butylbenzene	0.5185 0.6415	0.4230 0.6597	0.5290 0.6991	0.5470	0.5772	Ave		0.5744				15.6		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.: 480-129453-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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	2.0937 2.7516	2.0435 2.8434	2.3974 2.8863	2.5372	2.5247	Ave		2.5097				12.7		20.0			
sec-Butylbenzene	2.5379 3.3419	2.5746 3.4663	2.6997 3.4724	3.0681	3.0921	Ave		3.0316				12.8		20.0			
1,3-Dichlorobenzene	1.1424 1.5567	1.2938 1.6494	1.4037 1.6805	1.4322	1.4222	Ave		1.4476			0.6000	12.4		20.0			
4-Isopropyltoluene	2.2550 2.9814	2.2527 3.1387	2.4013 3.0820	2.7492	2.7930	Ave		2.7067				13.4		20.0			
1,4-Dichlorobenzene	1.2559 1.6005	1.3048 1.6768	1.4526 1.7326	1.4599	1.4474	Ave		1.4913			0.5000	11.3		20.0			
n-Butylbenzene	1.9349 2.6253	1.9952 2.7304	2.1167 2.7479	2.3579	2.4394	Ave		2.3685				13.7		20.0			
1,2-Dichlorobenzene	1.0553 1.4823	1.1997 1.5887	1.3594 1.6351	1.3404	1.4048	Ave		1.3832			0.4000	13.9		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1660	0.1246 0.1851	0.1830 0.1978	0.1646	0.1580	Ave		0.1684			0.0500	14.1		20.0			
1,2,4-Trichlorobenzene	0.8316 1.0804	0.7236 1.1655	0.9132 1.2345	0.9661	1.0134	Ave		0.9910			0.2000	17.1		20.0			
Hexachlorobutadiene	0.3378 0.5096	0.4018 0.5574	0.3966 0.5860	0.4932	0.4985	Ave		0.4726				18.1		20.0			
Naphthalene	2.2220 2.8271	1.9604 3.0639	2.4566 3.1660	2.5208	2.4953	Ave		2.5890				15.8		20.0			
1,2,3-Trichlorobenzene	0.9011 1.0212	0.7245 1.1162	0.8759 1.1608	0.9041	0.9477	Ave		0.9564				14.7		20.0			
Dibromofluoromethane (Surr)	1.2762 1.2417	1.2515 1.3045	1.2702 1.2180	1.2892	1.2596	Ave		1.2639				2.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8279 0.8311	0.8244 0.8408	0.8304 0.7948	0.8246	0.8169	Ave		0.8239				1.6		20.0			
Toluene-d8 (Surr)	2.5608 2.5383	2.4974 2.5347	2.6060 2.4862	2.5312	2.5019	Ave		2.5321				1.5		20.0			
4-Bromofluorobenzene (Surr)	0.8475 0.8459	0.8354 0.8510	0.8481 0.8257	0.8430	0.8466	Ave		0.8429				1.0		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-385713/8	S3869.D
Level 2	IC 480-385713/9	S3870.D
Level 3	IC 480-385713/10	S3871.D
Level 4	IC 480-385713/11	S3872.D
Level 5	IC 480-385713/12	S3873.D
Level 6	ICIS 480-385713/13	S3874.D
Level 7	IC 480-385713/14	S3875.D
Level 8	IC 480-385713/15	S3876.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	Lin1	+++++ 146858	1930 299643	6260 621226	25356	52532	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 229477	8115 476764	15683 1008385	43348	82413	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Lin1	+++++ 187633	4463 394780	10243 857344	32559	68514	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 197650	5407 414255	12809 845247	37284	74073	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 120121	4466 235081	9894 525610	18587	44819	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 123601	3696 262174	6951 551086	22892	45187	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 268545	7226 525639	19436 1160180	60589	104848	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Lin1	+++++ 231649	3720 488928	10614 1010390	39926	75376	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	3200 183362	5616 376576	12882 831551	31798	66928	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	4873 181196	6927 386387	15956 882841	33483	68283	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin1	+++++ 132138	2880 262635	5830 535140	24291	48959	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Lin1	1631 159247	3812 336677	11883 709166	30446	59278	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++ 327006	17803 680303	27397 1584578	64828	117039	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Lin1	+++++ 254617	5707 528194	14322 1218612	40218	87780	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	+++++ 529901	14902 1100237	31092 2348008	91412	192501	+++++ 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.: 480-129453-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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	7396 336655	10292 711310	20006 1555239	60483	119674	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	7345 362296	13975 760545	28710 1729626	70680	129878	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Ave	3535 178343	6728 369025	13348 806927	32517	67297	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	5767 257578	8727 517037	19925 1255912	49456	88097	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	9283 560429	18706 1171363	44105 2537835	101340	205473	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	2659 180848	6131 365445	12637 789331	32789	64035	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	15379 904882	27140 1870795	70470 4162634	160860	317979	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	4594 298093	8624 611241	16633 1295098	57503	113958	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	5017 337554	10132 700023	20809 1519887	59912	123444	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	13888 973456	26085 1969400	74446 4337114	164704	338623	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3879 231223	6711 465252	15368 993515	41133	85362	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3192 200480	6121 407401	15021 903355	36828	75145	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	12224 563214	18948 1190075	37569 2704628	99971	201072	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	+++++ 94028	3297 201275	7313 445879	16577	34918	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 151808	6567 312213	13284 732599	29766	54362	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	5545 302324	8548 619818	21853 1363738	53077	110586	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	3795 261957	7782 536329	16022 1167418	46812	97123	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	4014 324748	9262 704440	18854 1475473	62372	129833	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 241807	6383 496539	14516 1066582	42253	87974	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 248036	6204 507964	14284 1093889	43329	89702	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	11937 718070	23665 1479370	48936 3215229	127369	265455	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.: 480-129453-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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	7127 340464	11479 669295	25998 1576647	57201	114545	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	5014 266801	9394 553503	21157 1230173	48840	98294	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	5197 343874	9226 694815	22167 1482983	57549	126661	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	2561 187994	5058 390446	12124 861292	34375	69630	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	3912 297920	7898 633191	16982 1299806	53997	108221	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3384 196891	6492 400301	14673 904072	33778	69736	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	1988 112991	3147 234545	9016 528808	19172	41982	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Lin1	+++++ 48985	+++++ 99432	2407 223453	8159	18653	+++++ 500	+++++ 1000	40.0 2000	100	200
Dichlorobromomethane	FB	Ave	3583 234645	7417 502198	17332 1088467	41797	84039	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 145191	4235 298900	10124 673626	24102	49321	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 288980	8054 615389	18810 1365074	50994	105858	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	22437 1225859	37903 2487204	100626 5196509	224373	452888	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	6953 473313	14422 985030	32805 2127427	82078	173579	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	3566 280459	8267 587363	19424 1299977	46539	94611	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	5021 262107	7458 547632	20877 1211392	44772	95759	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	1912 131257	4528 270206	9737 612196	23319	47241	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 212329	5726 435168	12899 956397	35751	79738	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	4561 287436	9407 594381	21713 1319655	51728	107083	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	13543 879018	30172 1808330	73266 3860892	146924	325072	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorodibromomethane	CBNZ d5	Ave	2744 185955	5151 390423	11619 882817	32011	62788	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylene Dibromide	CBNZ d5	Ave	2623 169682	5058 356328	13018 785260	30994	61091	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.: 480-129453-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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	8473 535831	15898 1088618	36579 2386658	92324	193490	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	15166 881074	26767 1829567	63014 3845180	155974	321362	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	2790 196148	5646 398041	14273 867868	32406	67542	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m-Xylene & p-Xylene	CBNZ d5	Ave	4370 344945	11048 709599	25211 1567929	58522	126071	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	4955 336287	9522 698349	23856 1518798	59636	122830	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	8010 581132	17017 1201522	38243 2598212	98920	200002	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	+++++ 128152	3093 264962	7084 +++++	19914	43681	+++++ 25.0	1.00 50.0	2.00 +++++	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	12595 876253	27160 1785799	57195 3750728	153136	321778	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	3338 227750	6661 471676	17524 1038119	39345	81563	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	3553 217976	6185 443665	17420 963293	38728	76828	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	993 70831	2387 150919	6903 321189	13221	26222	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	15822 1049652	28932 2098021	68434 4315304	183565	375062	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	607 67321	934 148983	2954 362877	8179	22048	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 212909	6311 442358	14918 957199	37255	76972	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	11127 737120	22225 1519079	50170 3169659	130125	276002	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	2781 227749	7136 457784	14304 1006213	38658	81765	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	2841 180613	4584 359593	11789 784160	29491	63916	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	11471 774765	22146 1549776	53428 3237496	136782	279590	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	13905 940967	27902 1889275	60164 3894832	165401	342424	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	6259 438315	14021 898981	31283 1884924	77212	157497	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	12355 839452	24413 1710717	53515 3457033	148208	309302	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.: 480-129453-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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	6881 450639	14141 913912	32373 1943419	78704	160290	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	10601 739196	21623 1488169	47171 3082240	127113	270141	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	5782 417359	13001 865936	30294 1834040	72261	155571	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 46747	1350 100893	4079 221840	8876	17495	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	4556 304196	7842 635229	20351 1384690	52081	112224	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	1851 143490	4354 303829	8838 657352	26589	55203	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	12174 796009	21246 1669976	54746 3551226	135895	276327	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	4937 287522	7852 608393	19521 1301981	48738	104944	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	171004 172003	167579 176903	176456 179322	175852	173448	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	110938 115116	110389 114019	115350 117022	112484	112493	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	692239 702037	678361 701757	719699 722187	692679	698243	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	229096 233945	226924 235609	234216 239858	230686	236278	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\20171105-67029.b\S3869.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Nov-2017 19:42:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0067029-008
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:40 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 10:54:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.552	5.552	0.000	98	133996	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	86	270322	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	96	273943	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	70	171004	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.273	5.273	-0.001	0	110938	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	93	692239	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	229096	25.0	25.1	
10 Dichlorodifluoromethane	85		1.300				ND	ND	
12 Chloromethane	50		1.489				ND	ND	
13 Vinyl chloride	62		1.580				ND	ND	
151 Butadiene	54		1.604				ND	ND	
14 Bromomethane	94		1.908				ND	ND	
15 Chloroethane	64		2.006				ND	ND	
16 Dichlorofluoromethane	67		2.225				ND	ND	
17 Trichlorofluoromethane	101	2.237	2.231	0.006	34	2678	0.5000	1.06	
18 Ethyl ether	59	2.541	2.535	0.006	68	3200	0.5000	0.4821	
20 Acrolein	56	2.705	2.711	-0.006	43	4873	2.50	3.23	M
21 1,1,2-Trichloro-1,2,2-trif	101		2.742				ND	ND	
22 1,1-Dichloroethene	96	2.790	2.760	0.030	1	1631	0.5000	0.5704	
23 Acetone	43	2.876	2.876	0.000	93	10586	2.50	3.87	M
25 Iodomethane	142	2.918	2.924	-0.006	49	2237	0.5000	0.9485	
26 Carbon disulfide	76	2.961	2.967	-0.006	74	6153	0.5000	0.3308	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	40	7396	0.5000	0.5946	M
27 Methyl acetate	43	3.186	3.180	0.006	72	7345	1.00	1.03	
30 Methylene Chloride	84	3.277	3.283	-0.006	17	3535	0.5000	0.5169	M
31 2-Methyl-2-propanol	59	3.441	3.441	0.000	52	5767	5.00	5.78	
32 Methyl tert-butyl ether	73	3.502	3.496	0.006	74	9283	0.5000	0.4463	
34 trans-1,2-Dichloroethene	96	3.508	3.514	-0.006	32	2659	0.5000	0.4121	
33 Acrylonitrile	53	3.569	3.557	0.012	89	15379	5.00	4.65	
35 Hexane	57	3.721	3.721	0.000	59	4594	0.5000	0.4395	

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	3.928	3.934	-0.006	1	5017	0.5000	0.4237	
37 Vinyl acetate	43	4.001	3.989	0.012	91	13888	1.00	0.8195	
44 2,2-Dichloropropane	77	4.469	4.457	0.012	16	3879	0.5000	0.4741	
45 cis-1,2-Dichloroethene	96	4.482	4.488	-0.006	1	3192	0.5000	0.4378	
43 2-Butanone (MEK)	43	4.542	4.524	0.018	89	12224	2.50	2.87	
48 Chlorobromomethane	128	4.725	4.725	0.000	28	1113	0.5000	0.3097	
49 Tetrahydrofuran	42	4.768	4.755	0.013	62	5230	1.00	1.71	
50 Chloroform	83	4.804	4.804	0.000	46	5545	0.5000	0.5056	
51 1,1,1-Trichloroethane	97	4.932	4.926	0.006	1	3795	0.5000	0.4152	
52 Cyclohexane	56	4.932	4.938	-0.006	14	4014	0.5000	0.3521	
55 Carbon tetrachloride	117	5.066	5.066	0.000	38	2620	0.5000	0.3102	
54 1,1-Dichloropropene	75	5.084	5.078	0.006	3	2020	0.5000	0.2359	
57 Benzene	78	5.279	5.279	0.000	33	11937	0.5000	0.4585	
53 Isobutyl alcohol	43	5.297	5.279	0.018	63	7127	12.5	14.1	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	0	5014	0.5000	0.4937	
59 n-Heptane	43	5.467	5.467	0.000	43	5197	0.5000	0.4400	
62 Trichloroethene	95	5.899	5.893	0.006	38	2561	0.5000	0.3911	
64 Methylcyclohexane	83	6.027	6.021	0.006	24	3912	0.5000	0.3867	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	25	3384	0.5000	0.4706	
67 Dibromomethane	93	6.264	6.264	0.000	58	1988	0.5000	0.4798	
66 1,4-Dioxane	88		6.282				ND	ND	
68 Dichlorobromomethane	83	6.428	6.416	0.012	6	3583	0.5000	0.4200	
69 2-Chloroethyl vinyl ether	63	6.702	6.696	0.006	40	1513	0.5000	0.2917	
72 cis-1,3-Dichloropropene	75	6.842	6.836	0.006	18	3371	0.5000	0.3223	
73 4-Methyl-2-pentanone (MIBK	43	6.988	6.982	0.006	86	22437	2.50	2.46	M
74 Toluene	92	7.134	7.134	0.000	52	6953	0.5000	0.4124	
77 trans-1,3-Dichloropropene	75	7.414	7.402	0.012	29	3566	0.5000	0.3669	
75 Ethyl methacrylate	69	7.444	7.450	-0.006	1	5021	0.5000	0.5149	
79 1,1,2-Trichloroethane	83	7.596	7.590	0.006	2	1912	0.5000	0.3985	
81 Tetrachloroethene	166	7.676	7.669	0.007	45	2055	0.5000	0.2740	
82 1,3-Dichloropropane	76	7.761	7.755	0.006	51	4561	0.5000	0.4301	
80 2-Hexanone	43	7.834	7.822	0.012	92	13543	2.50	2.09	
83 Chlorodibromomethane	129	7.998	7.992	0.006	1	2744	0.5000	0.4237	
84 Ethylene Dibromide	107	8.101	8.101	0.000	39	2623	0.5000	0.4231	
87 Chlorobenzene	112	8.582	8.582	0.000	20	8473	0.5000	0.4457	
88 Ethylbenzene	91	8.673	8.673	0.000	38	15166	0.5000	0.4745	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.673	0.006	1	2790	0.5000	0.4084	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	4370	0.5000	0.3575	
91 o-Xylene	106	9.227	9.221	0.006	53	4955	0.5000	0.4144	
92 Styrene	104	9.245	9.251	-0.006	38	8010	0.5000	0.3981	
95 Bromoform	173	9.495	9.495	-0.001	15	1376	0.5000	0.3316	
94 Isopropylbenzene	105	9.604	9.604	0.000	64	12595	0.5000	0.4024	
101 Bromobenzene	156	9.951	9.945	0.006	41	3338	0.5000	0.4011	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	1	3553	0.5000	0.4427	
99 N-Propylbenzene	91	10.024	10.024	0.000	75	15822	0.5000	0.4303	
100 1,2,3-Trichloropropane	110	10.030	10.024	0.006	1	993	0.5000	0.3610	
98 trans-1,4-Dichloro-2-buten	53	10.030	10.036	-0.006	1	607	0.5000	0.2923	
103 2-Chlorotoluene	126	10.127	10.127	0.000	63	2137	0.5000	0.2698	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	24	11127	0.5000	0.4172	
105 4-Chlorotoluene	126	10.237	10.237	0.000	44	2781	0.5000	0.3495	
106 tert-Butylbenzene	134	10.517	10.517	0.000	55	2841	0.5000	0.4514	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	37	11471	0.5000	0.4171	

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	10.723	10.723	0.000	51	13905	0.5000	0.4186	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	28	6259	0.5000	0.3946	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	62	12355	0.5000	0.4166	
113 1,4-Dichlorobenzene	146	10.942	10.942	0.000	31	6881	0.5000	0.4211	
115 n-Butylbenzene	91	11.247	11.247	0.000	64	10601	0.5000	0.4085	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	52	5782	0.5000	0.3815	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	1	337	0.5000	0.1826	M
119 1,2,4-Trichlorobenzene	180	12.701	12.694	0.007	15	4556	0.5000	0.4195	
120 Hexachlorobutadiene	225	12.810	12.804	0.006	0	1851	0.5000	0.3574	M
121 Naphthalene	128	12.907	12.907	0.000	45	12174	0.5000	0.4291	
122 1,2,3-Trichlorobenzene	180	13.114	13.108	0.006	21	4937	0.5000	0.4711	
S 123 Total BTEX	1				0			2.12	
S 124 Xylenes, Total	1				0			0.7719	
S 125 1,2-Dichloroethene, Total	1				0			0.8498	
S 126 1,3-Dichloropropene, Total	1				0			0.6892	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	0.50	Units: uL	
GAS CORP mix_00249	Amount Added:	0.50	Units: uL	
S_8260_IS_00271	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added:	1.00	Units: uL	Run Reagent

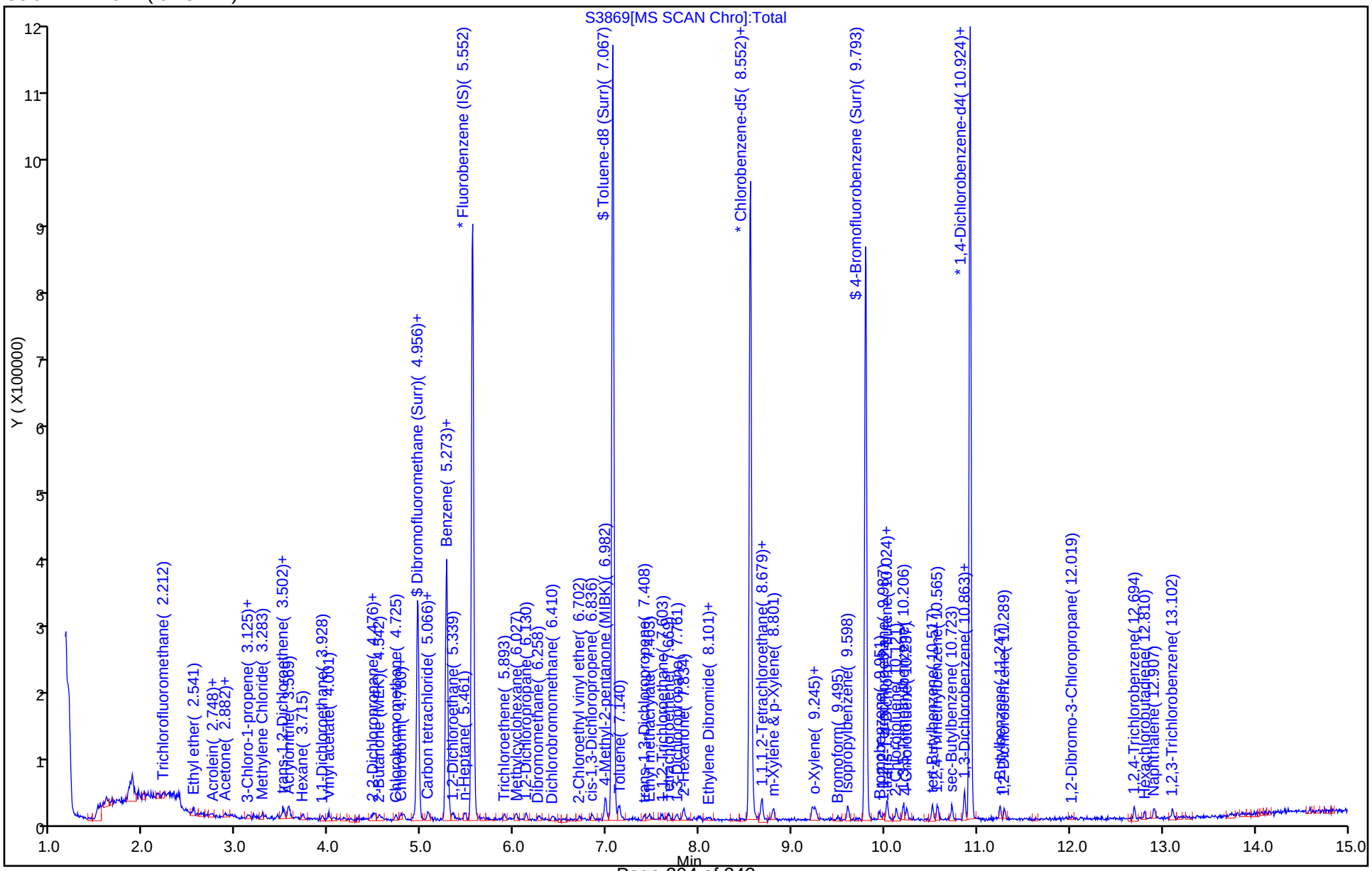
Report Date: 06-Nov-2017 14:29:41 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D

Injection Date:	05-Nov-2017 19:42:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC 0.5			Worklist Smp#:	8
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)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

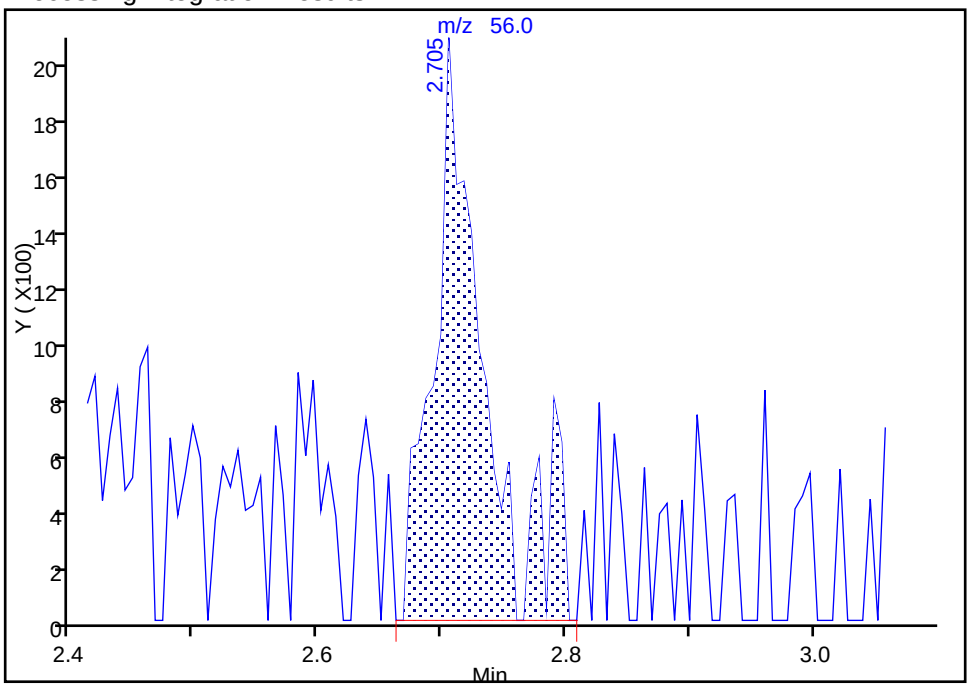
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D
Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

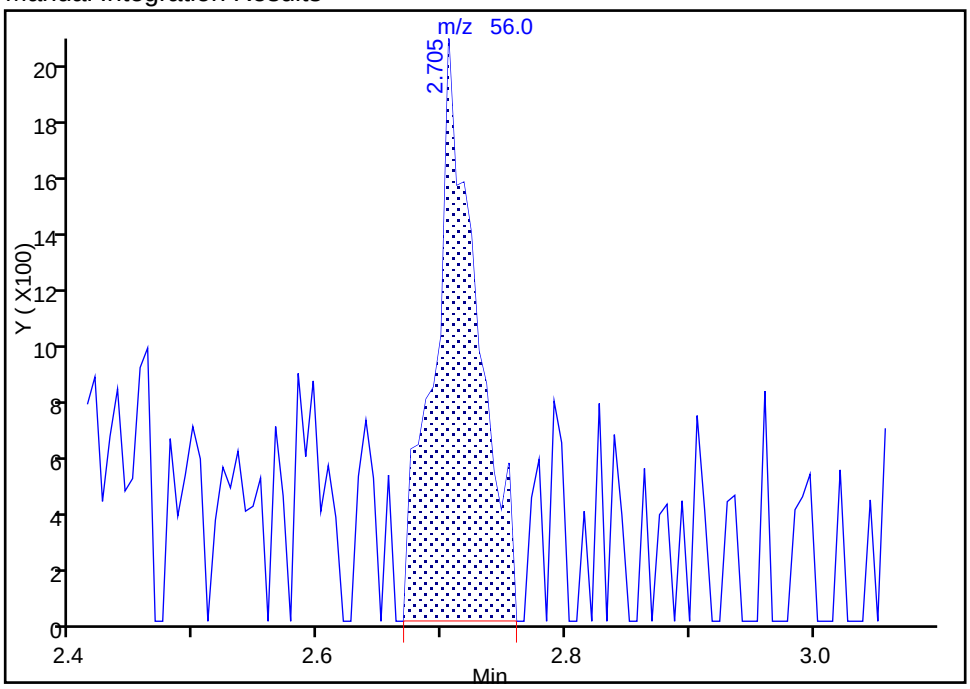
Processing Integration Results

RT: 2.71
Area: 5744
Amount: 3.978460
Amount Units: ug/L



Manual Integration Results

RT: 2.71
Area: 4873
Amount: 3.233678
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:09:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

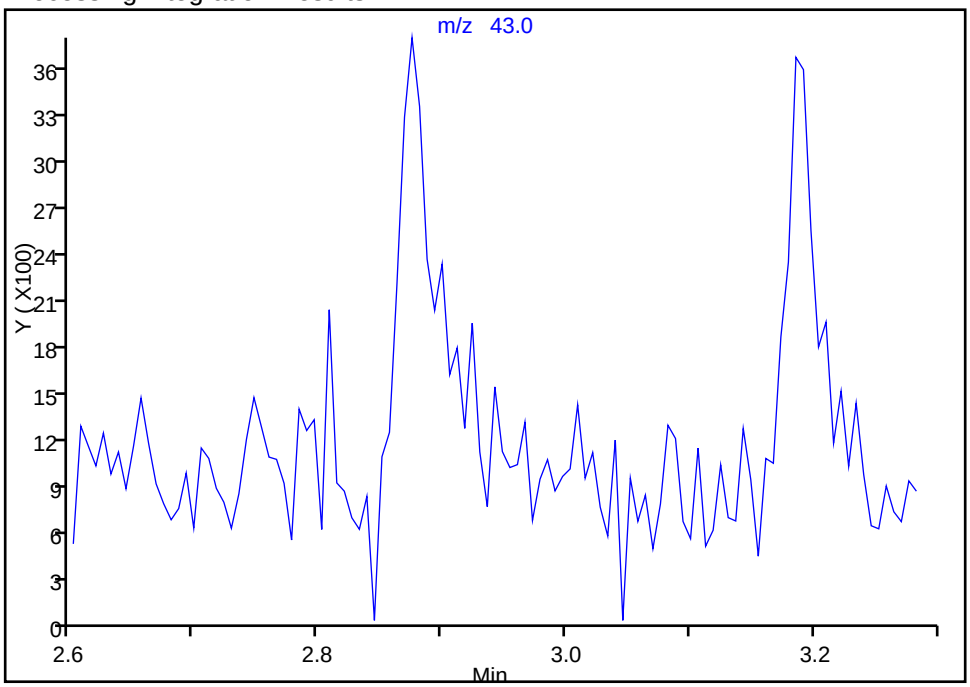
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D
Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

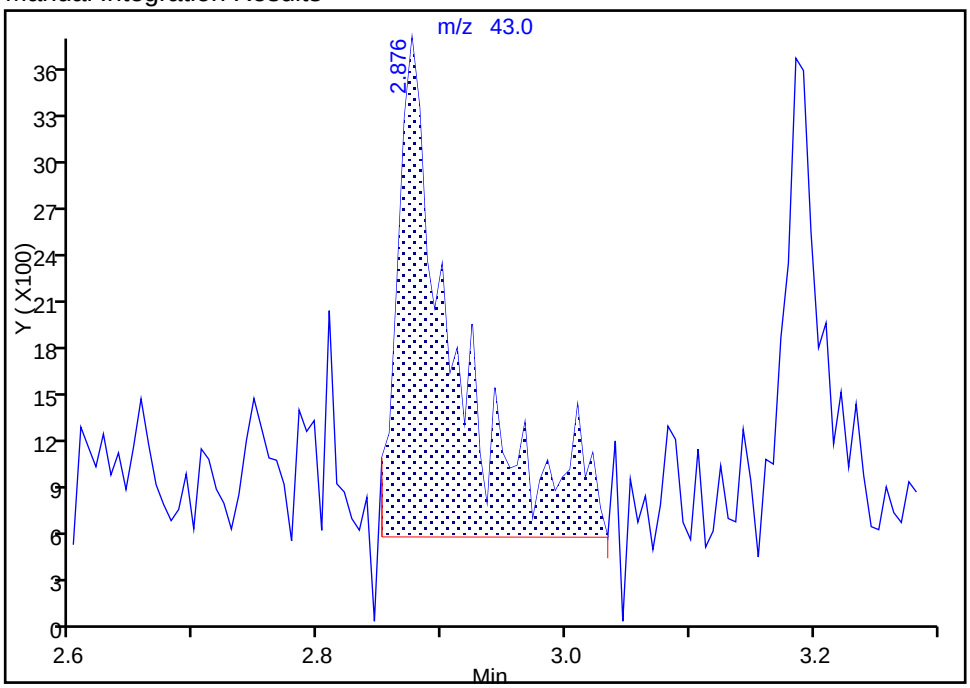
Not Detected
Expected RT: 2.88

Processing Integration Results



Manual Integration Results

RT: 2.88
Area: 10586
Amount: 3.872660
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:07:30
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

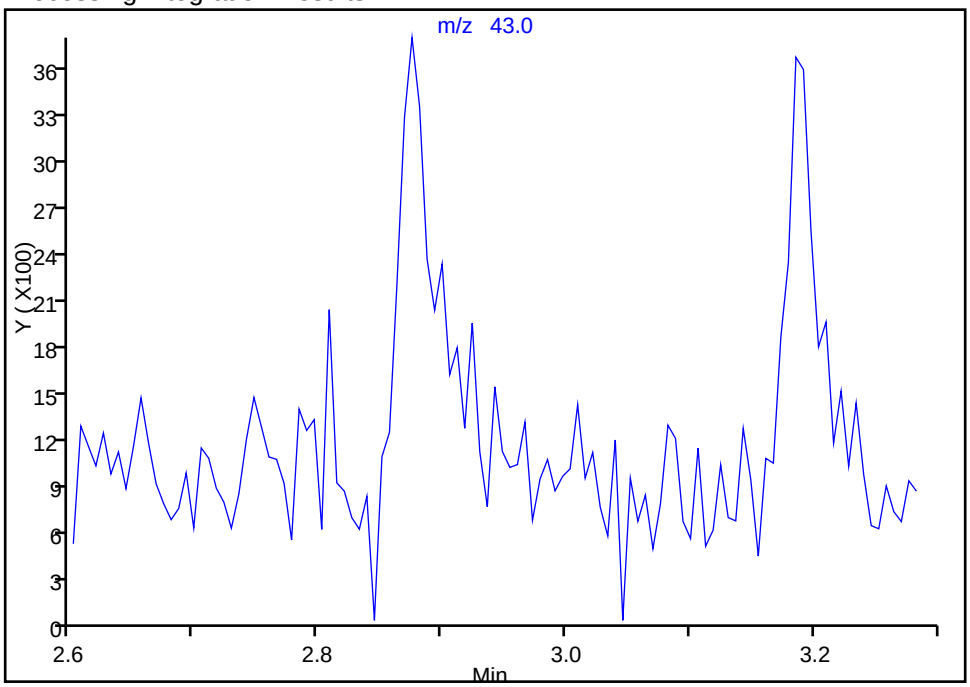
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D
Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

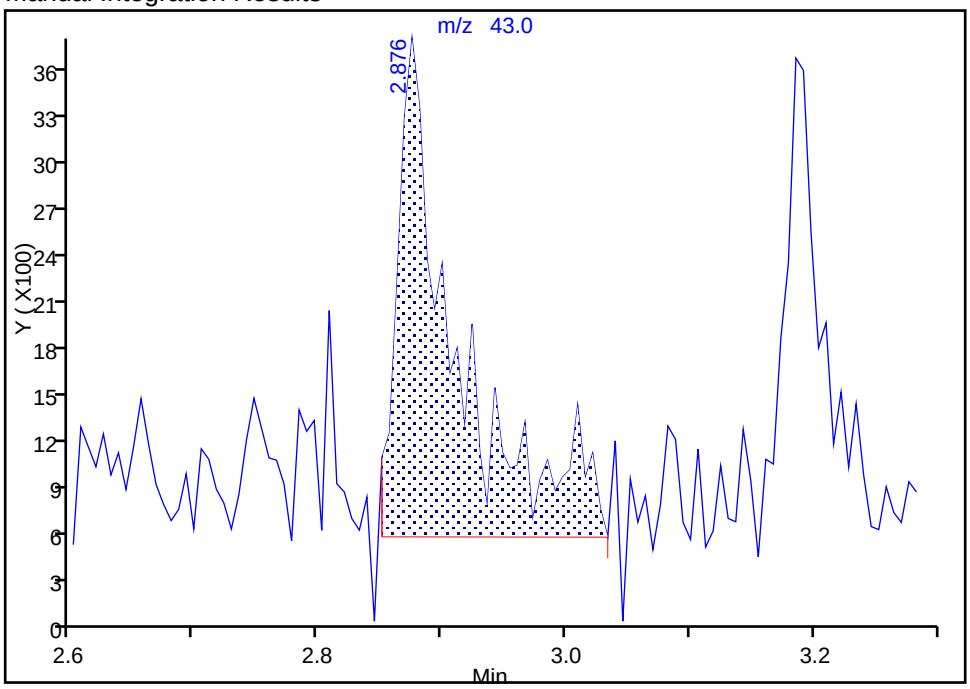
Not Detected
Expected RT: 2.88

Processing Integration Results



Manual Integration Results

RT: 2.88
Area: 10586
Amount: 3.872660
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:08:30
Audit Action: Manually Integrated Audit Reason: Missed Peak

TestAmerica Buffalo

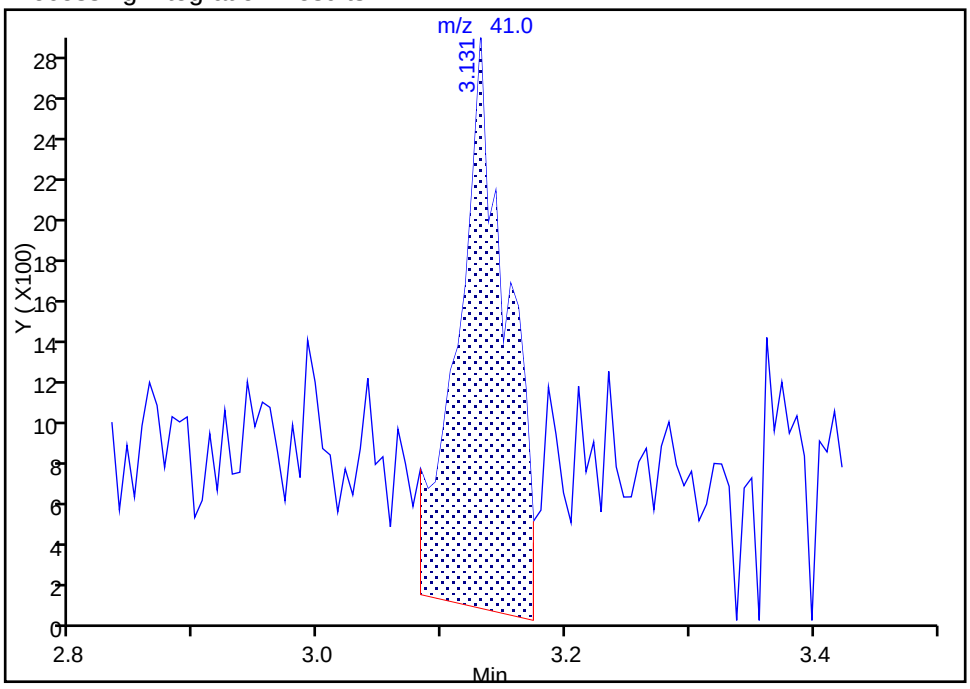
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D
Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

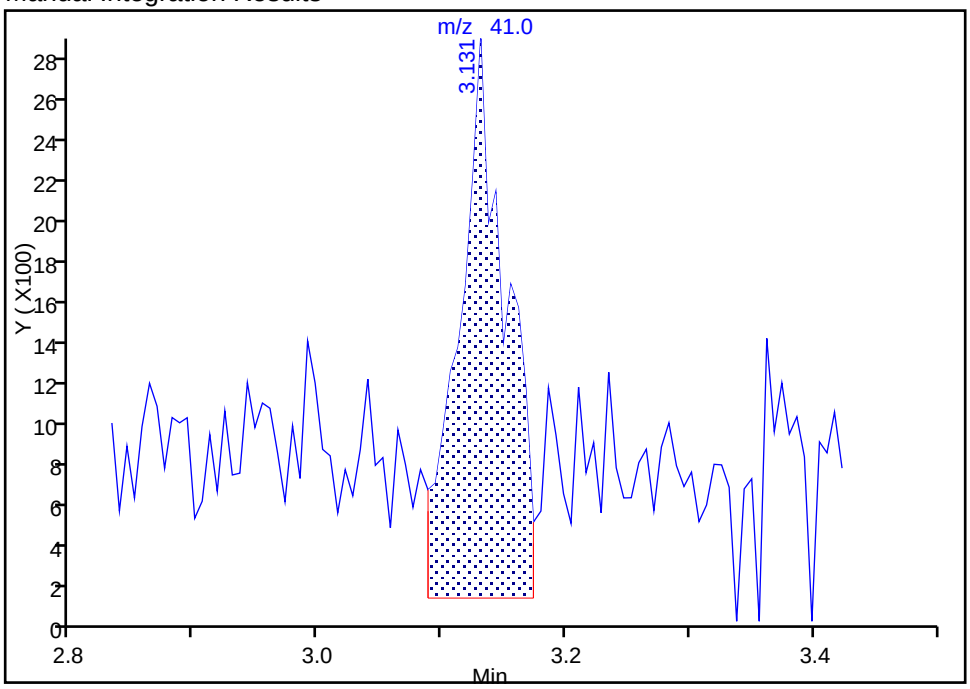
Processing Integration Results

RT: 3.13
Area: 7926
Amount: 0.641306
Amount Units: ug/L



Manual Integration Results

RT: 3.13
Area: 7396
Amount: 0.594615
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 10:58:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

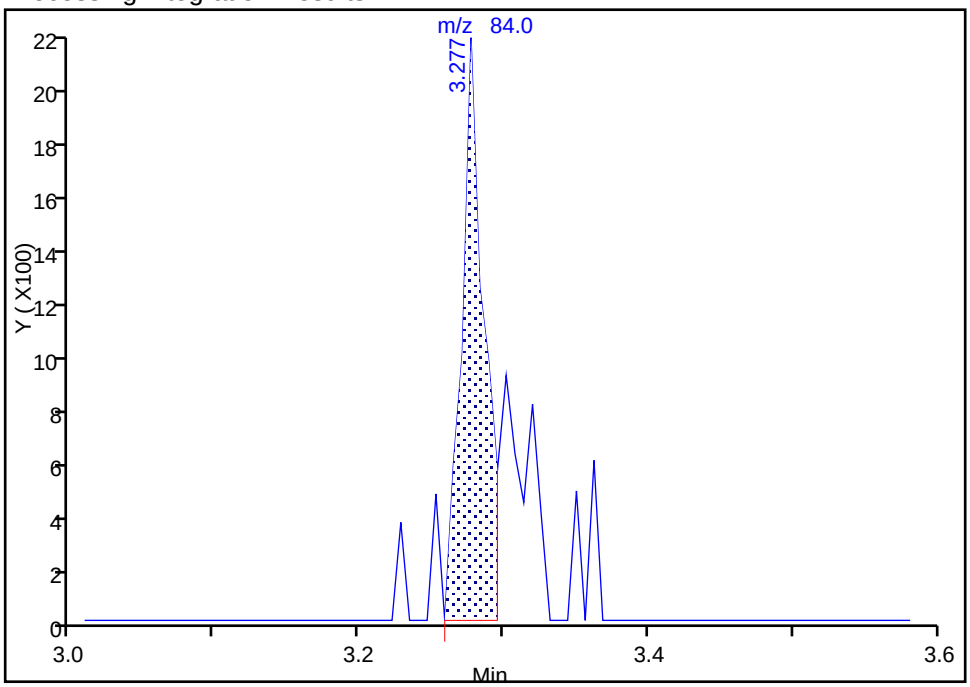
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D
Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

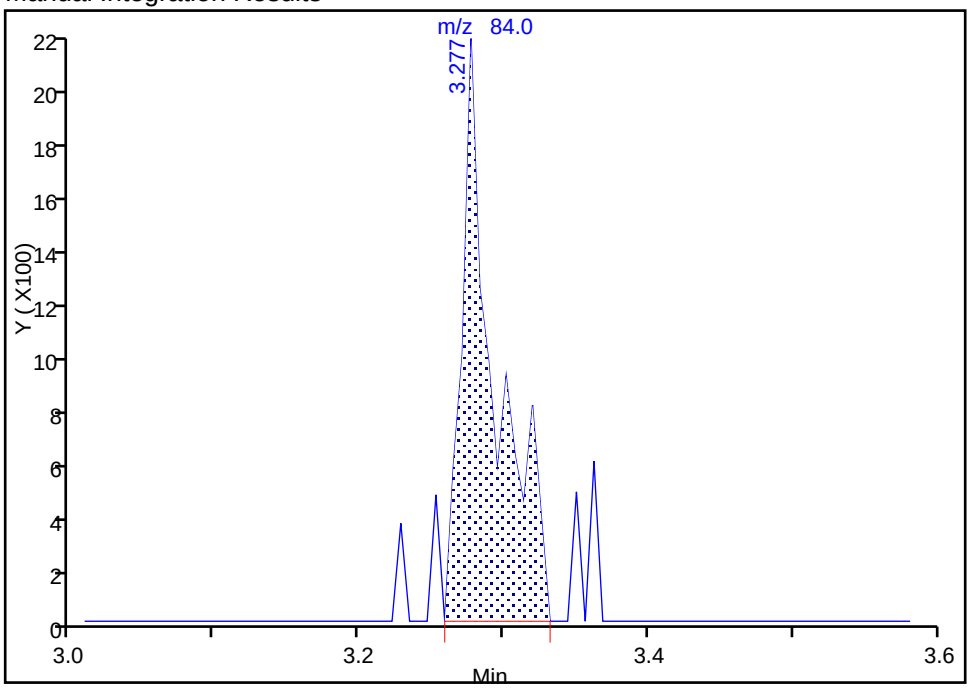
Processing Integration Results

RT: 3.28
Area: 2379
Amount: 0.357624
Amount Units: ug/L



Manual Integration Results

RT: 3.28
Area: 3535
Amount: 0.516860
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 10:57:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Buffalo

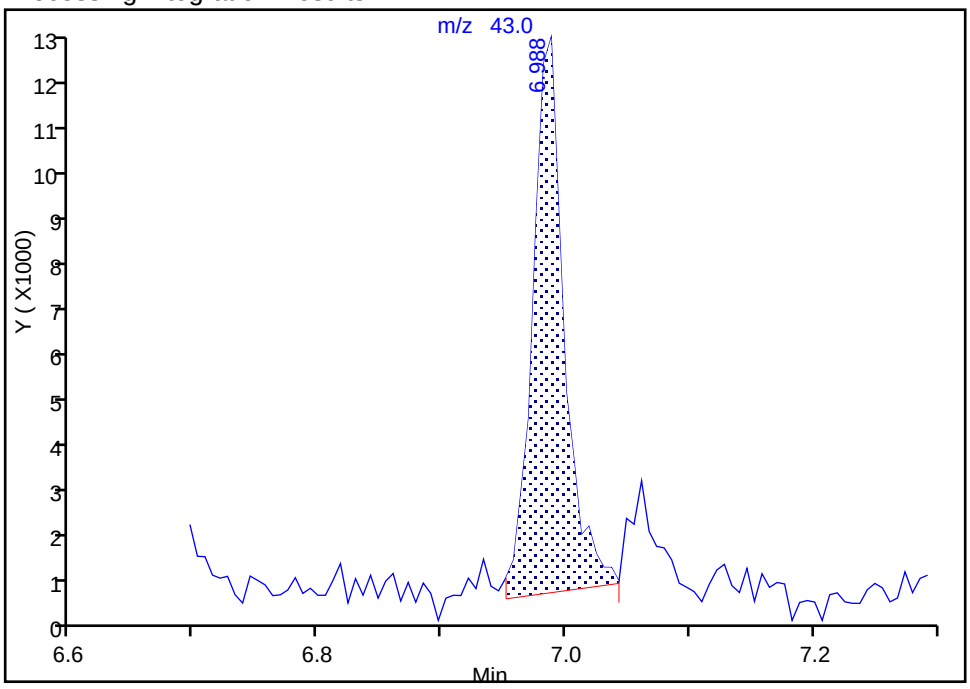
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D
Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

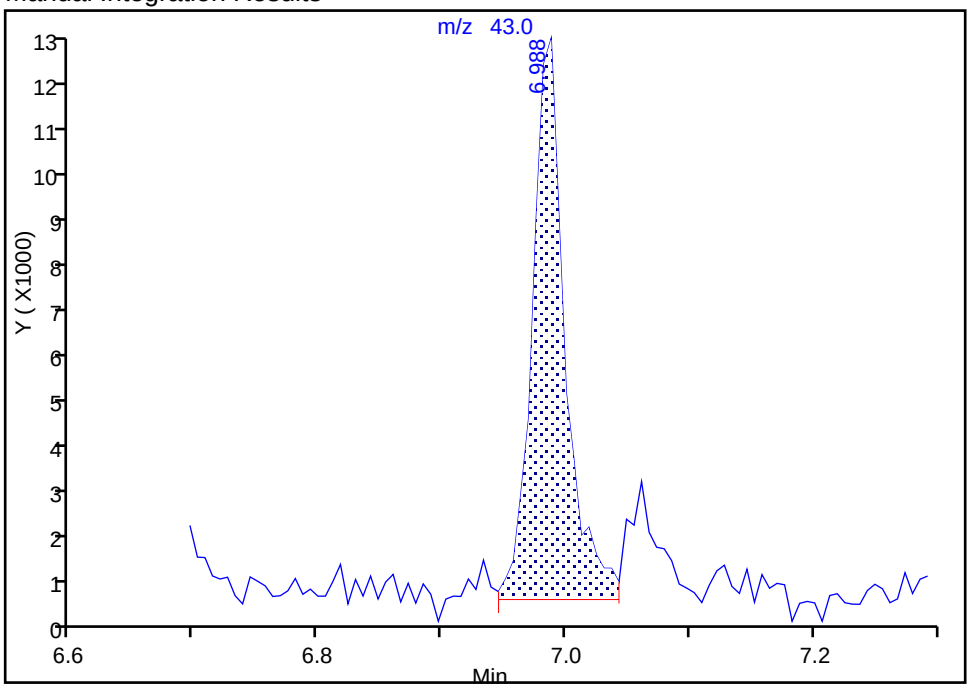
Processing Integration Results

RT: 6.99
Area: 21414
Amount: 2.360670
Amount Units: ug/L



Manual Integration Results

RT: 6.99
Area: 22437
Amount: 2.459576
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 10:59:37
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo

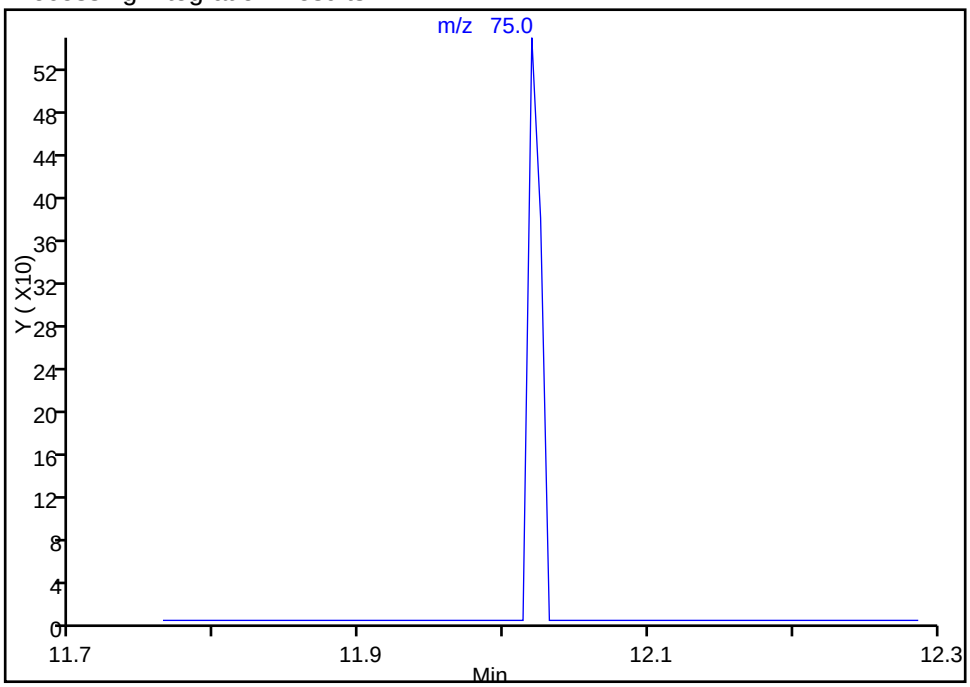
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D
Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

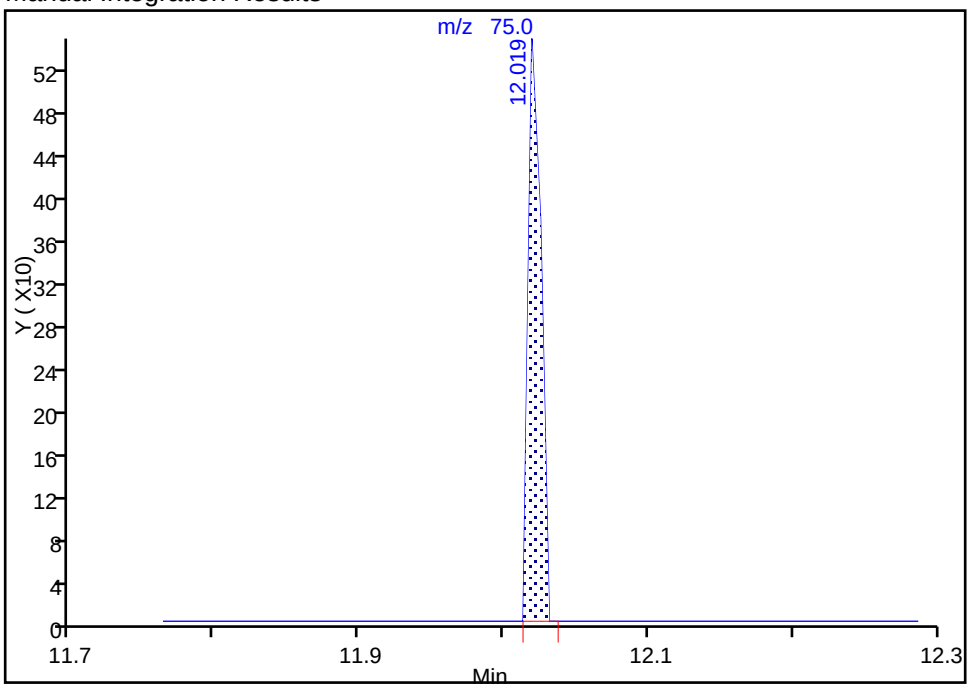
Not Detected
Expected RT: 12.02

Processing Integration Results



Manual Integration Results

RT: 12.02
Area: 337
Amount: 0.182576
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 10:52:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

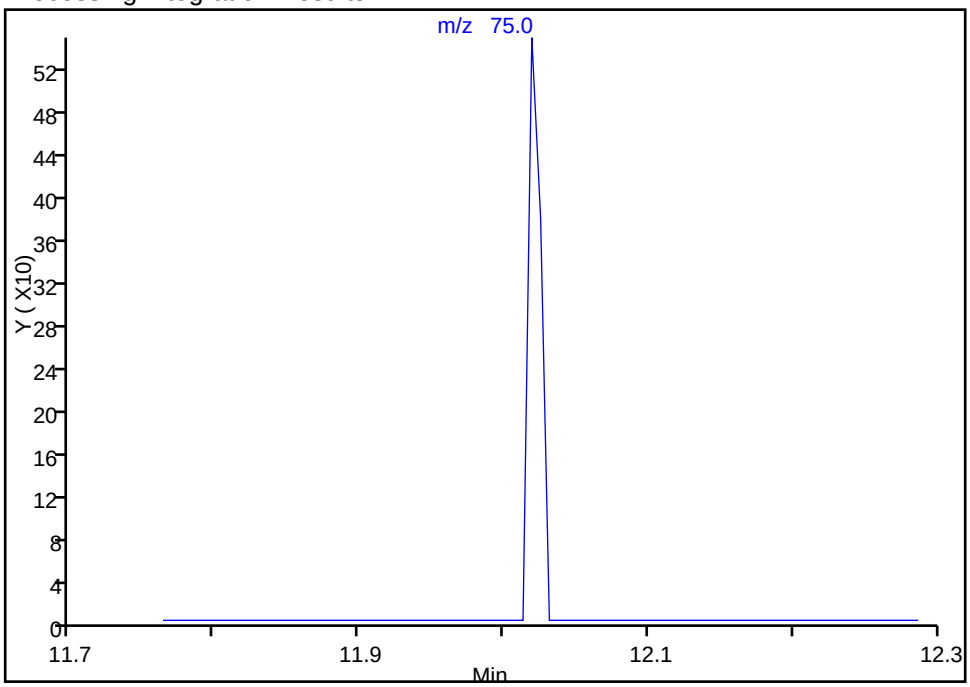
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D
Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

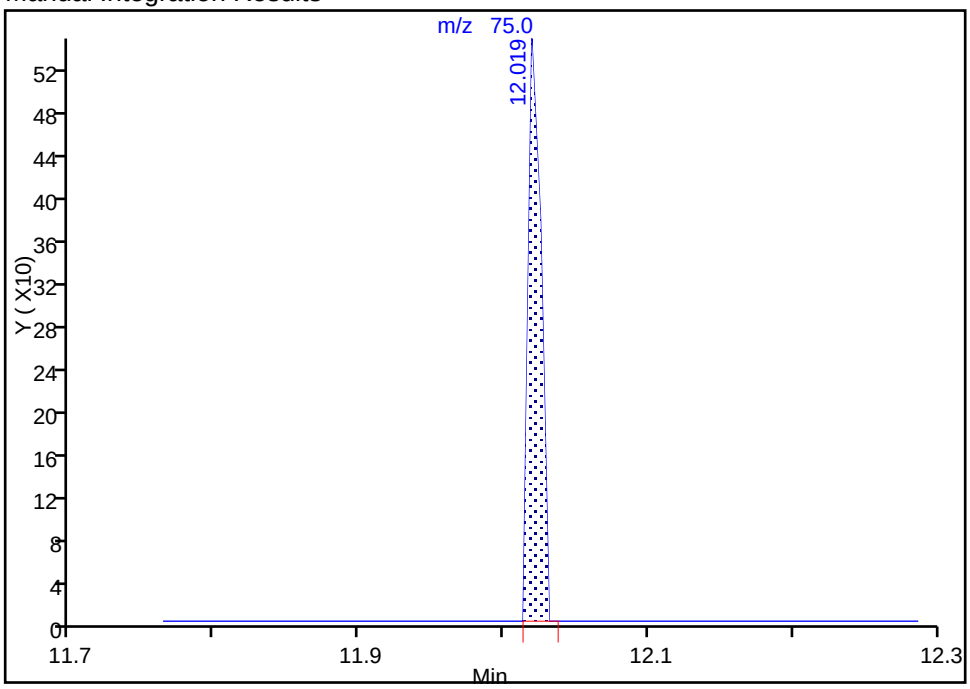
Not Detected
Expected RT: 12.02

Processing Integration Results



Manual Integration Results

RT: 12.02
Area: 337
Amount: 0.182576
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:10:13
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

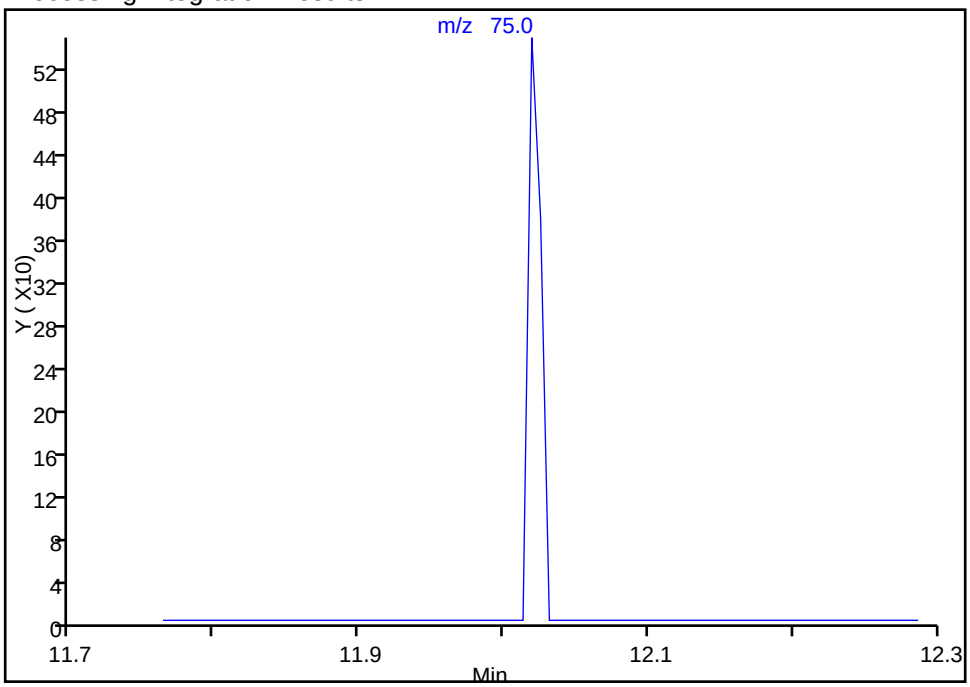
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D
Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

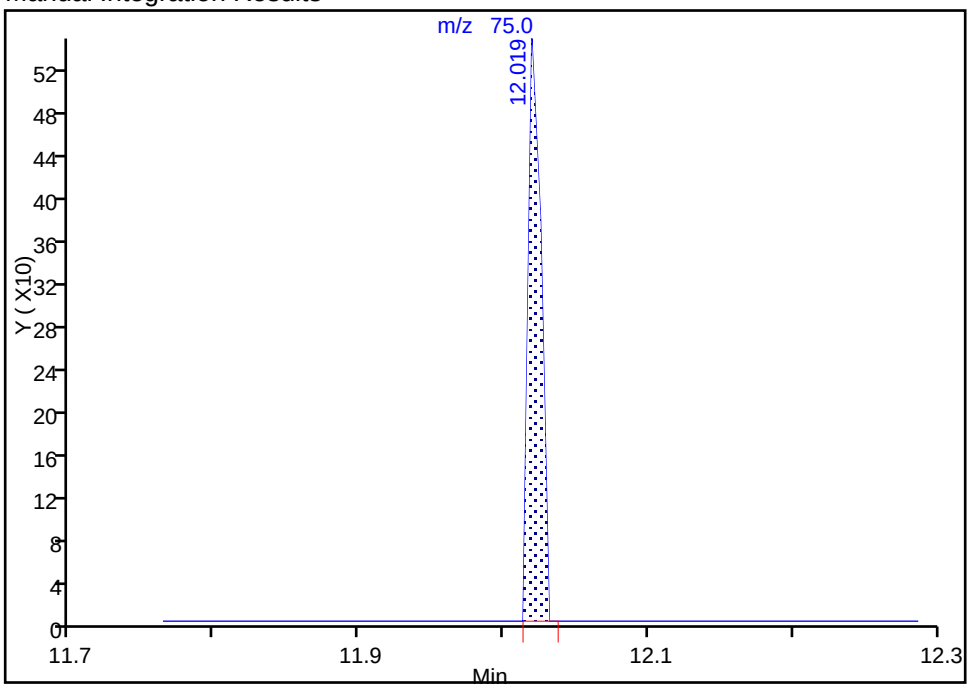
Not Detected
Expected RT: 12.02

Processing Integration Results



Manual Integration Results

RT: 12.02
Area: 337
Amount: 0.182576
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:10:26
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo

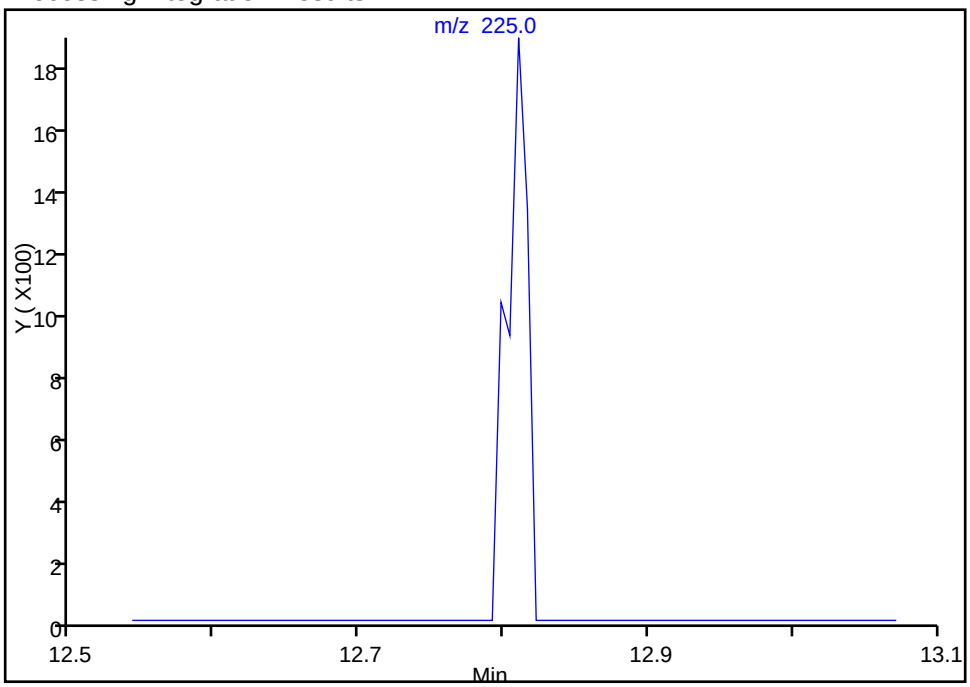
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D
Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

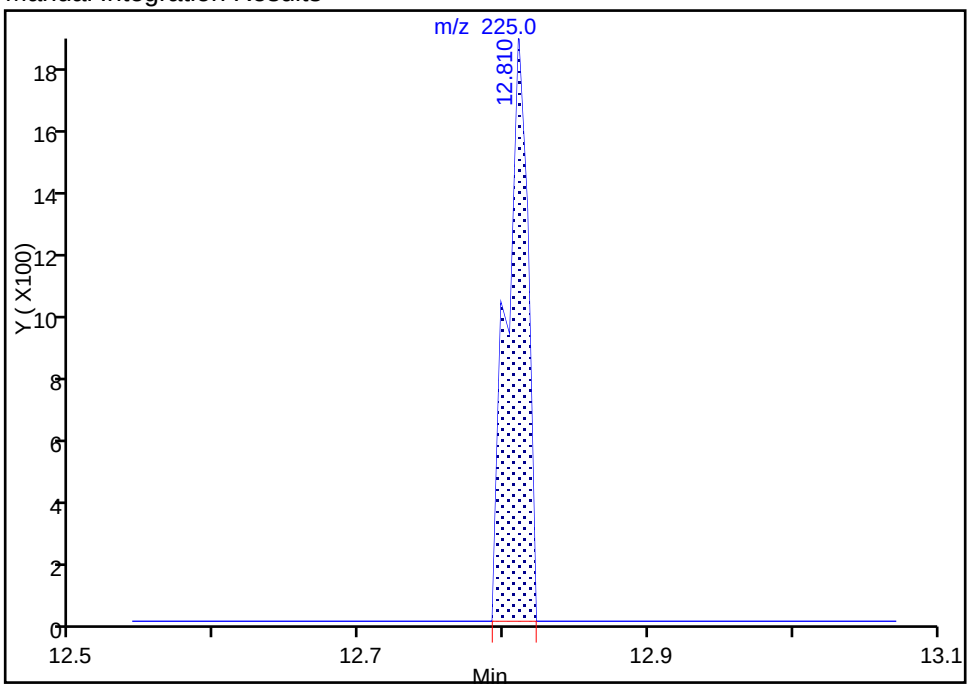
Not Detected
Expected RT: 12.80

Processing Integration Results



Manual Integration Results

RT: 12.81
Area: 1851
Amount: 0.357414
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 10:52:58
Audit Action: Assigned Compound ID Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

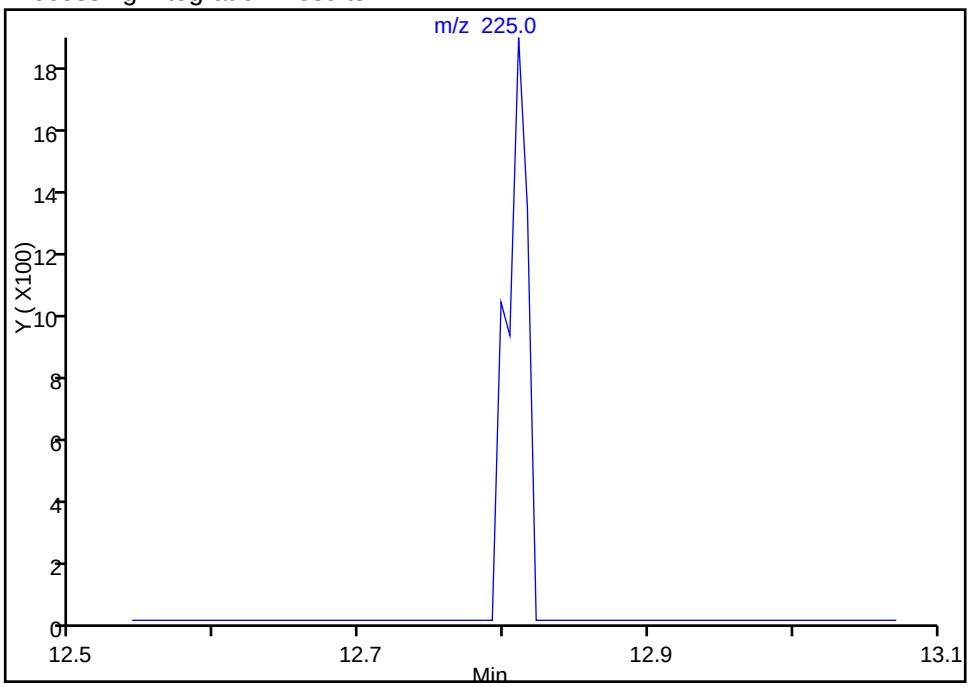
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D
Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

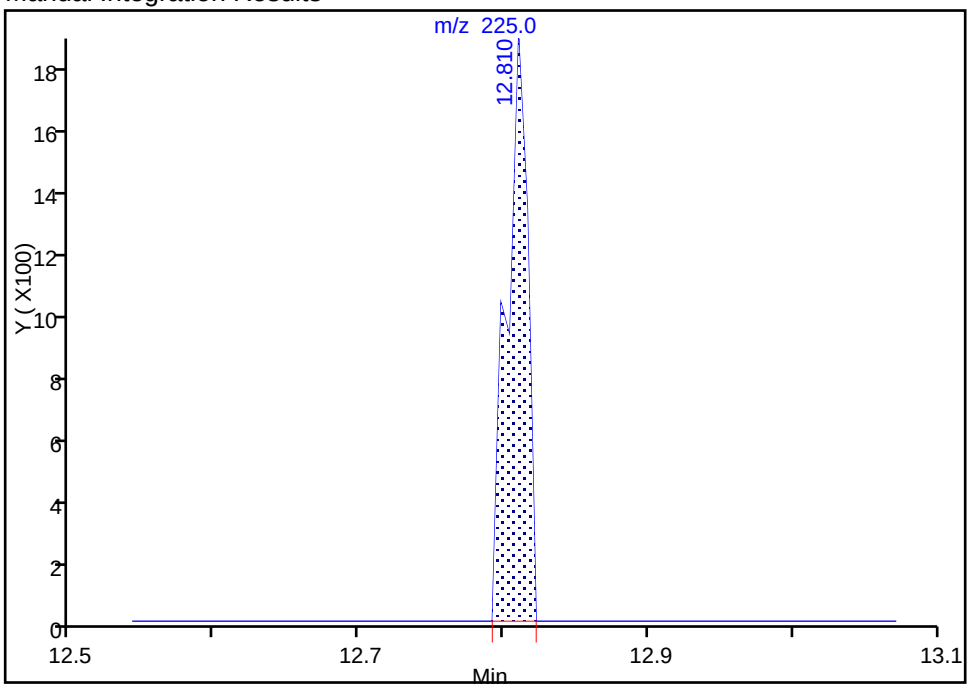
Not Detected
Expected RT: 12.80

Processing Integration Results



Manual Integration Results

RT: 12.81
Area: 1851
Amount: 0.357414
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 10:53:00
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D

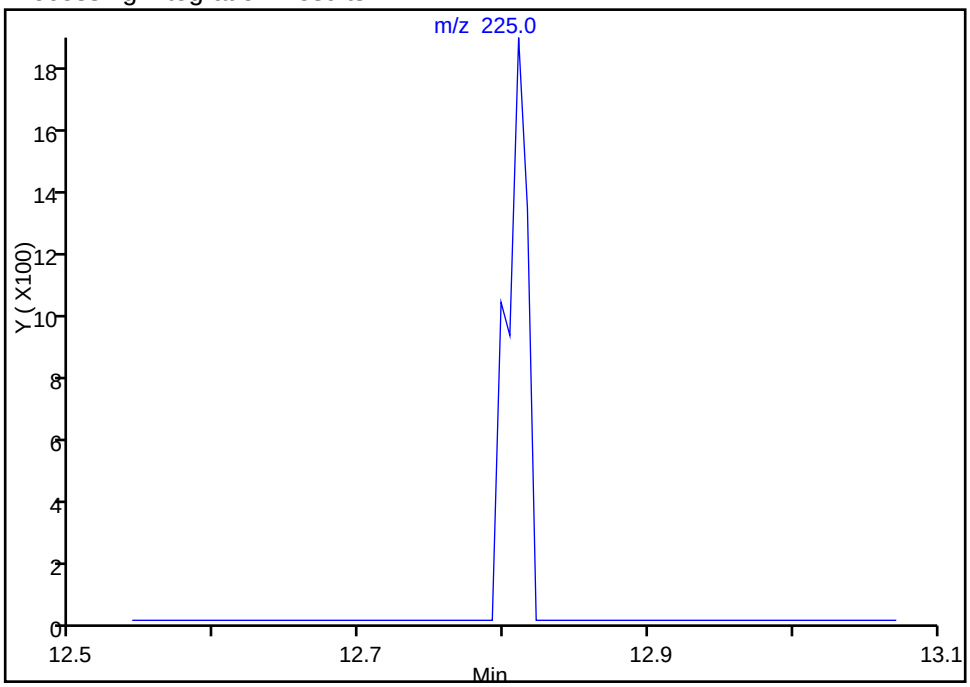
Injection Date:	05-Nov-2017 19:42:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AS/AM	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

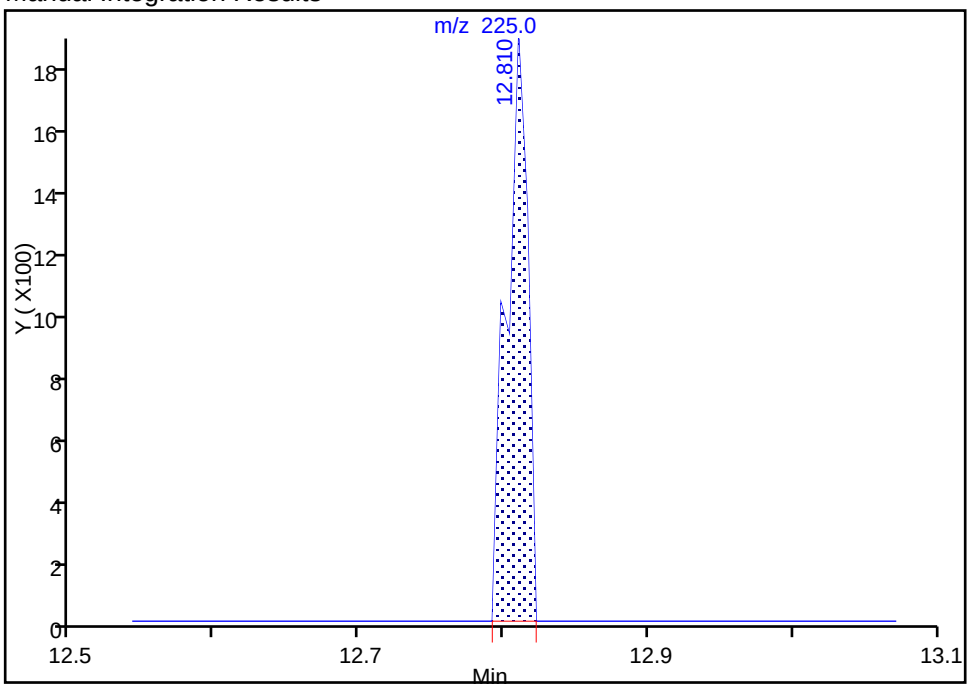
Not Detected
Expected RT: 12.80

Processing Integration Results



Manual Integration Results

RT: 12.81
Area: 1851
Amount: 0.357414
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:10:34
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3870.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Nov-2017 20:05:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0067029-009
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:43 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 11:19:55

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	5.552	5.552	0.000	98	133904	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	86	271632	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	95	270933	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	69	167579	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.273	-0.007	0	110389	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	92	678361	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.793	0.006	91	226924	25.0	24.8	
10 Dichlorodifluoromethane	85	1.300	1.300	0.000	28	1930	1.00	1.10	
12 Chloromethane	50	1.488	1.489	-0.001	43	8115	1.00	0.9522	
13 Vinyl chloride	62	1.580	1.580	0.000	6	4463	1.00	1.20	
151 Butadiene	54	1.604	1.604	0.000	68	5407	1.00	0.7629	M
14 Bromomethane	94	1.896	1.908	-0.012	11	4466	1.00	1.00	
15 Chloroethane	64	1.993	2.006	-0.013	34	3696	1.00	0.8372	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	40	7226	1.00	0.7226	M
17 Trichlorofluoromethane	101	2.237	2.231	0.006	39	3720	1.00	1.18	
18 Ethyl ether	59	2.535	2.535	0.000	78	5616	1.00	0.8467	
20 Acrolein	56	2.711	2.711	0.000	66	6927	5.00	4.60	
21 1,1,2-Trichloro-1,2,2-trif	101	2.730	2.742	-0.012	14	2880	1.00	1.09	
22 1,1-Dichloroethene	96	2.754	2.760	-0.006	58	3812	1.00	0.9075	
23 Acetone	43	2.869	2.876	-0.007	69	17803	5.00	6.52	
25 Iodomethane	142	2.912	2.924	-0.012	47	5707	1.00	1.27	
26 Carbon disulfide	76	2.961	2.967	-0.006	92	14902	1.00	0.8016	
28 3-Chloro-1-propene	41	3.137	3.131	0.006	72	10292	1.00	0.8280	M
27 Methyl acetate	43	3.186	3.180	0.006	84	13975	2.00	1.97	
30 Methylene Chloride	84	3.277	3.283	-0.006	72	6728	1.00	0.9844	
31 2-Methyl-2-propanol	59	3.441	3.441	0.000	80	8727	10.0	8.76	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	83	18706	1.00	0.9000	
34 trans-1,2-Dichloroethene	96	3.502	3.514	-0.012	65	6131	1.00	0.9507	
33 Acrylonitrile	53	3.563	3.557	0.006	95	27140	10.0	8.22	
35 Hexane	57	3.721	3.721	0.000	79	8624	1.00	0.8256	

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	3.928	3.934	-0.006	7	10132	1.00	0.8563	
37 Vinyl acetate	43	3.995	3.989	0.006	81	26085	2.00	1.54	M
44 2,2-Dichloropropane	77	4.463	4.457	0.006	54	6711	1.00	0.8208	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	44	6121	1.00	0.8401	
43 2-Butanone (MEK)	43	4.542	4.524	0.018	92	18948	5.00	4.44	
48 Chlorobromomethane	128	4.731	4.725	0.006	61	3297	1.00	0.9181	
49 Tetrahydrofuran	42	4.774	4.755	0.019	84	6567	2.00	2.15	
50 Chloroform	83	4.804	4.804	0.000	73	8548	1.00	0.7800	
51 1,1,1-Trichloroethane	97	4.920	4.926	-0.006	46	7782	1.00	0.8521	
52 Cyclohexane	56	4.932	4.938	-0.006	41	9262	1.00	0.8131	
55 Carbon tetrachloride	117	5.066	5.066	0.000	52	6383	1.00	0.7562	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	41	6204	1.00	0.7251	
53 Isobutyl alcohol	43	5.285	5.279	0.006	16	11479	25.0	22.7	
57 Benzene	78	5.279	5.279	0.000	31	23665	1.00	0.9095	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	48	9394	1.00	0.9256	
59 n-Heptane	43	5.467	5.467	0.000	84	9226	1.00	0.7817	
62 Trichloroethene	95	5.887	5.893	-0.006	49	5058	1.00	0.7729	
64 Methylcyclohexane	83	6.015	6.021	-0.006	63	7898	1.00	0.7813	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	62	6492	1.00	0.9035	
67 Dibromomethane	93	6.264	6.264	0.000	75	3147	1.00	0.7601	
66 1,4-Dioxane	88		6.282				ND	ND	
68 Dichlorobromomethane	83	6.416	6.416	0.000	50	7417	1.00	0.8700	
69 2-Chloroethyl vinyl ether	63	6.702	6.696	0.006	47	4235	1.00	0.8170	
72 cis-1,3-Dichloropropene	75	6.842	6.836	0.006	43	8054	1.00	0.7705	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	86	37903	5.00	4.13	
74 Toluene	92	7.134	7.134	0.000	72	14422	1.00	0.8513	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	61	8267	1.00	0.8465	
75 Ethyl methacrylate	69	7.456	7.450	0.006	46	7458	1.00	0.7611	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	39	4528	1.00	0.9392	
81 Tetrachloroethene	166	7.669	7.669	0.000	68	5726	1.00	0.7598	
82 1,3-Dichloropropane	76	7.761	7.755	0.006	63	9407	1.00	0.8829	
80 2-Hexanone	43	7.828	7.822	0.006	92	30172	5.00	4.64	
83 Chlorodibromomethane	129	7.992	7.992	0.000	16	5151	1.00	0.7914	
84 Ethylene Dibromide	107	8.101	8.101	0.000	63	5058	1.00	0.8120	
87 Chlorobenzene	112	8.576	8.582	-0.006	37	15898	1.00	0.8323	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	14	5646	1.00	0.8226	
88 Ethylbenzene	91	8.673	8.673	0.000	15	26767	1.00	0.8334	
90 m-Xylene & p-Xylene	106	8.801	8.795	0.006	0	11048	1.00	0.8995	
91 o-Xylene	106	9.221	9.221	0.000	74	9522	1.00	0.7925	
92 Styrene	104	9.251	9.251	0.000	82	17017	1.00	0.8418	
95 Bromoform	173	9.494	9.495	-0.001	23	3093	1.00	0.7419	
94 Isopropylbenzene	105	9.604	9.604	0.000	66	27160	1.00	0.8774	
101 Bromobenzene	156	9.945	9.945	0.000	88	6661	1.00	0.8092	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	19	6185	1.00	0.7791	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	12	2387	1.00	0.8775	
99 N-Propylbenzene	91	10.030	10.024	0.006	80	28932	1.00	0.7956	
98 trans-1,4-Dichloro-2-buten	53	10.048	10.036	0.012	1	934	1.00	0.4547	M
103 2-Chlorotoluene	126	10.133	10.127	0.006	74	6311	1.00	0.8058	
102 1,3,5-Trimethylbenzene	105	10.206	10.200	0.006	78	22225	1.00	0.8427	
105 4-Chlorotoluene	126	10.237	10.237	0.000	62	7136	1.00	0.9068	
106 tert-Butylbenzene	134	10.523	10.517	0.006	58	4584	1.00	0.7364	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	79	22146	1.00	0.8142	

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	10.723	10.723	0.000	60	27902	1.00	0.8493	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	61	14021	1.00	0.8937	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	82	24413	1.00	0.8323	
113 1,4-Dichlorobenzene	146	10.948	10.942	0.006	23	14141	1.00	0.8750	
115 n-Butylbenzene	91	11.247	11.247	0.000	79	21623	1.00	0.8424	
116 1,2-Dichlorobenzene	146	11.301	11.295	0.006	67	13001	1.00	0.8673	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.019	-0.006	1	1350	1.00	0.7395	
119 1,2,4-Trichlorobenzene	180	12.700	12.694	0.006	37	7842	1.00	0.7302	
120 Hexachlorobutadiene	225	12.810	12.804	0.006	38	4354	1.00	0.8501	
121 Naphthalene	128	12.907	12.907	0.000	67	21246	1.00	0.7572	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	61	7852	1.00	0.7575	
S 125 1,2-Dichloroethene, Total	1				0			1.79	
S 126 1,3-Dichloropropene, Total	1				0			1.62	
S 123 Total BTEX	1				0			4.29	
S 124 Xylenes, Total	1				0			1.69	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	1.00	Units: uL	
GAS CORP mix_00249	Amount Added:	1.00	Units: uL	
S_8260_IS_00271	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added:	1.00	Units: uL	Run Reagent

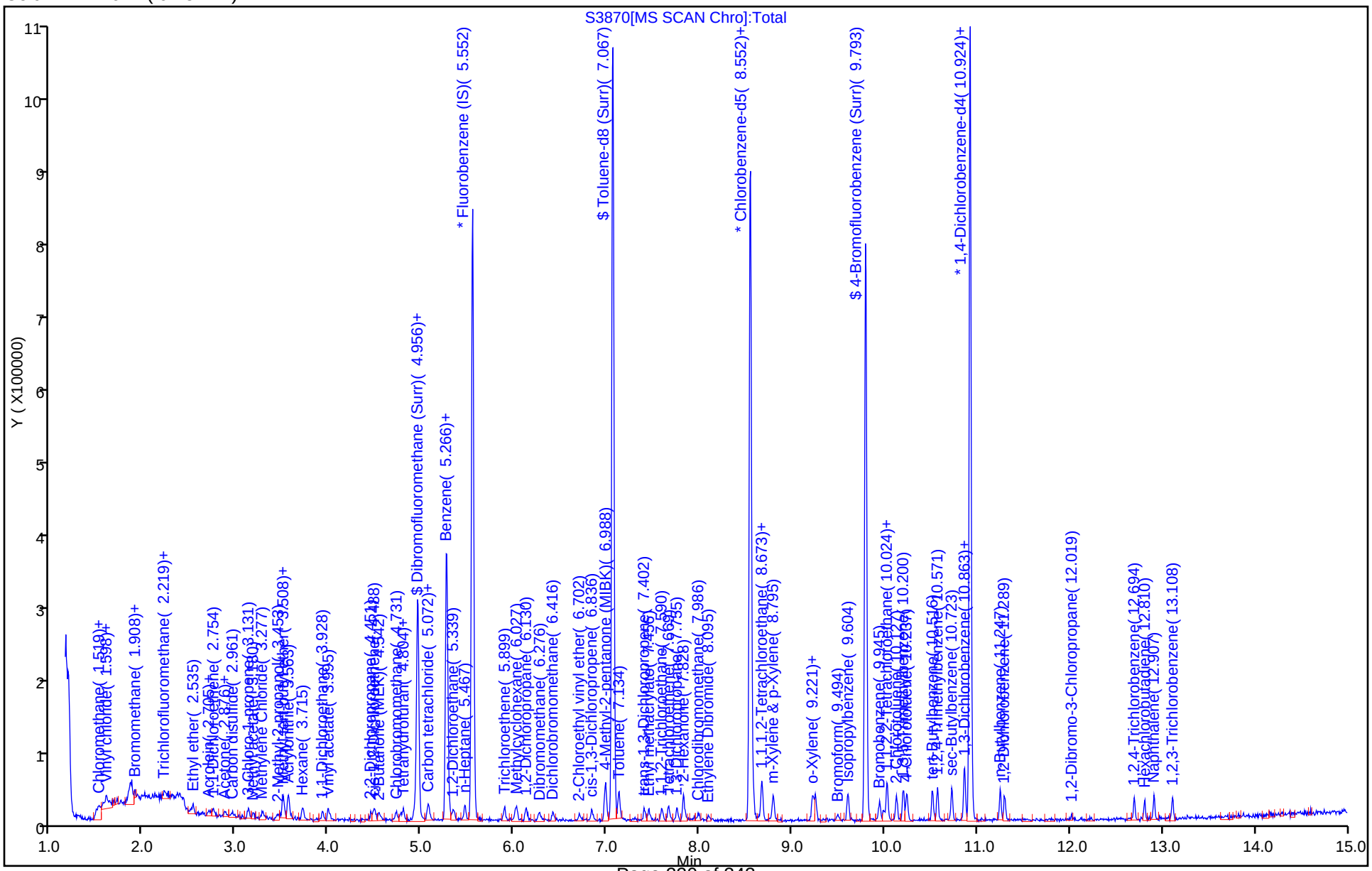
Report Date: 06-Nov-2017 14:29:44 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3870.D

Injection Date:	05-Nov-2017 20:05:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC			Worklist Smp#:	9
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)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

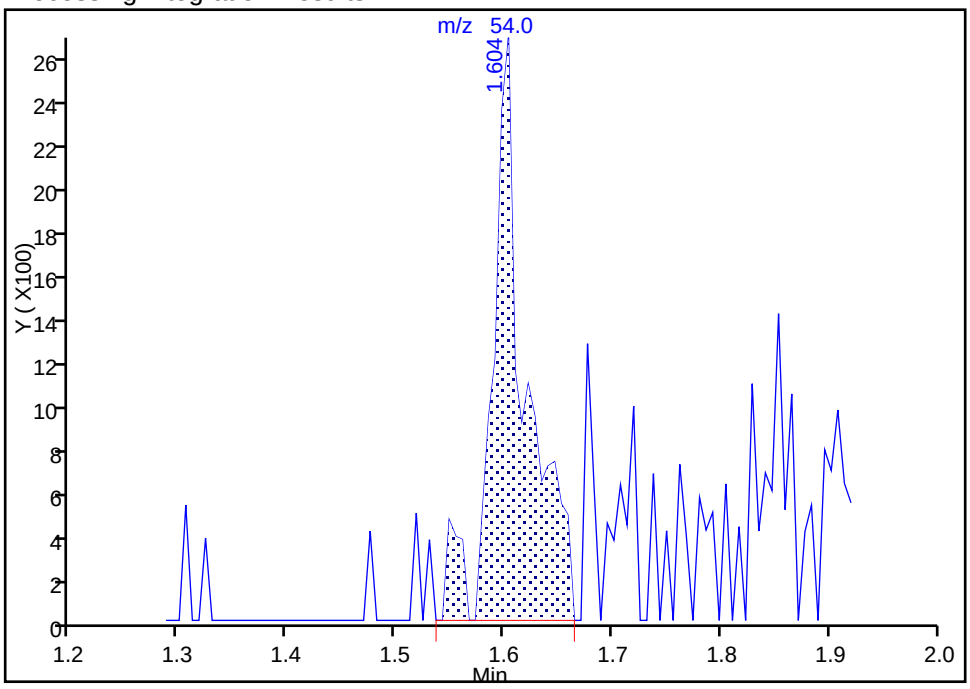
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3870.D
Injection Date: 05-Nov-2017 20:05:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: AS/AM ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

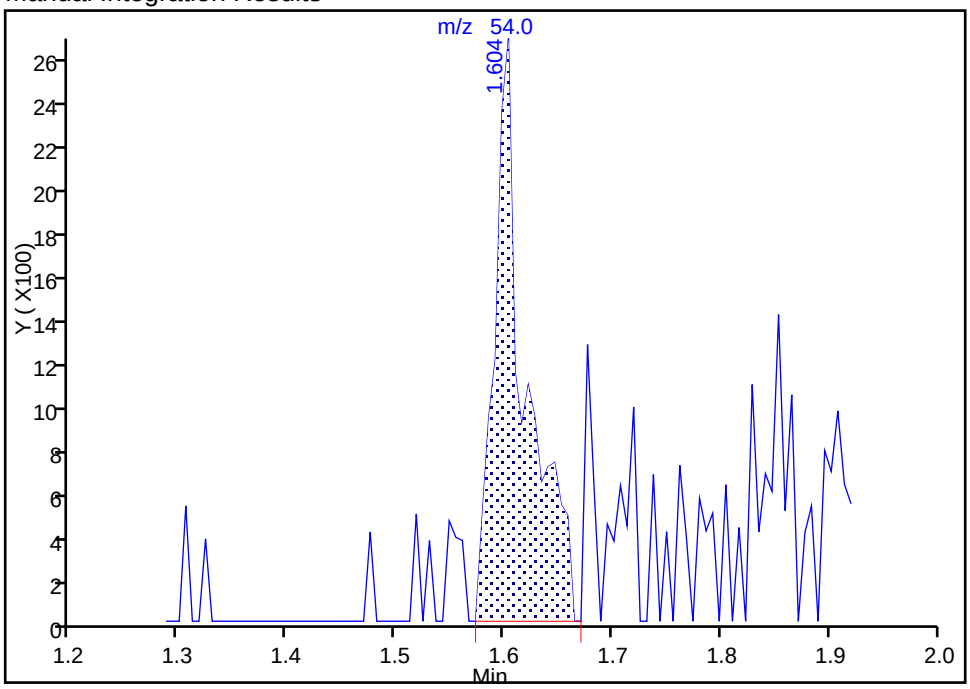
Processing Integration Results

RT: 1.60
Area: 5852
Amount: 0.825559
Amount Units: ug/L



Manual Integration Results

RT: 1.60
Area: 5407
Amount: 0.762860
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:11:42
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo

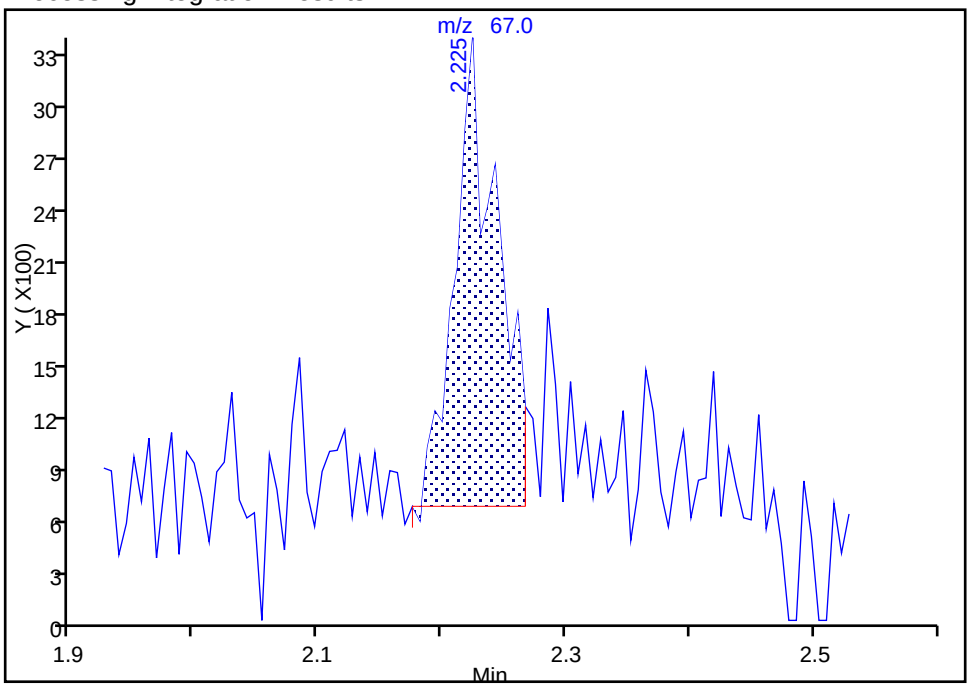
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3870.D
Injection Date: 05-Nov-2017 20:05:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: AS/AM ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

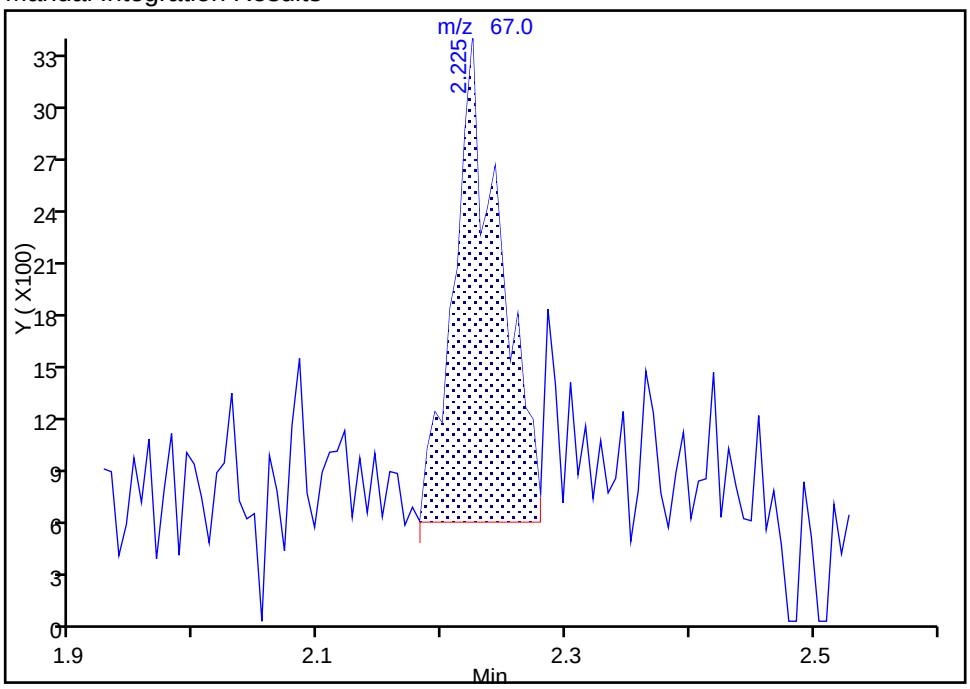
Processing Integration Results

RT: 2.22
Area: 6488
Amount: 0.899832
Amount Units: ug/L



Manual Integration Results

RT: 2.22
Area: 7226
Amount: 0.722589
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:16:22
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

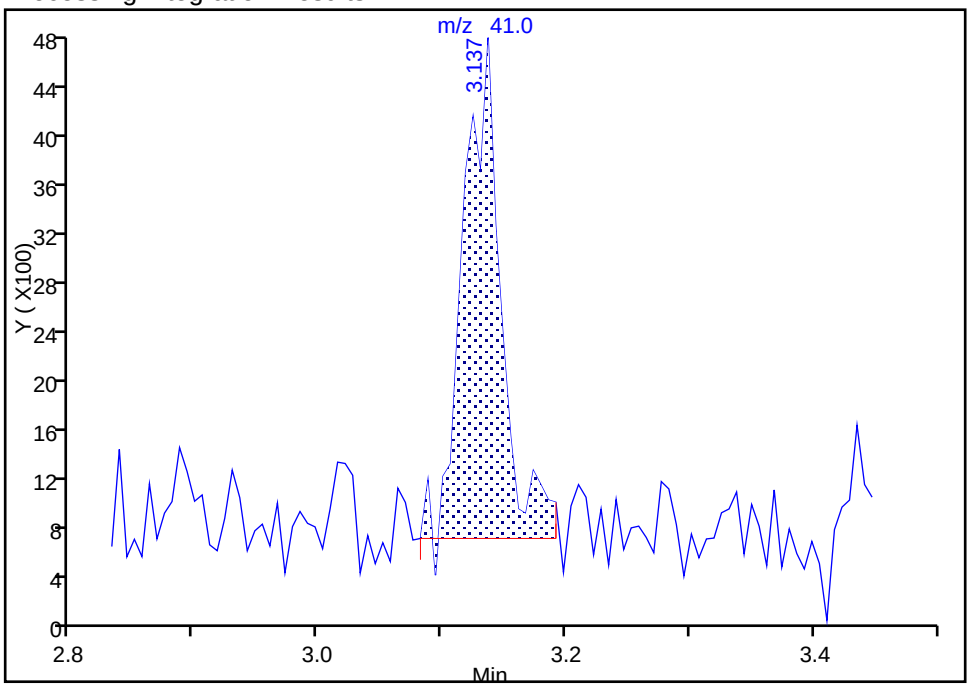
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3870.D
Injection Date: 05-Nov-2017 20:05:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: AS/AM ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

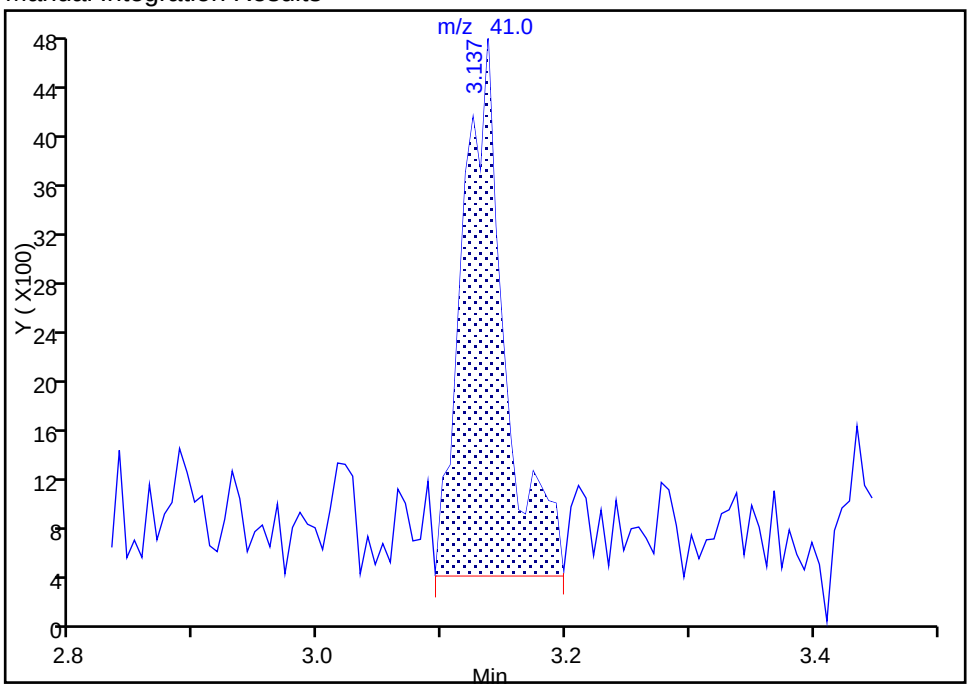
Processing Integration Results

RT: 3.14
Area: 8600
Amount: 0.703865
Amount Units: ug/L



Manual Integration Results

RT: 3.14
Area: 10292
Amount: 0.828013
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:17:14
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

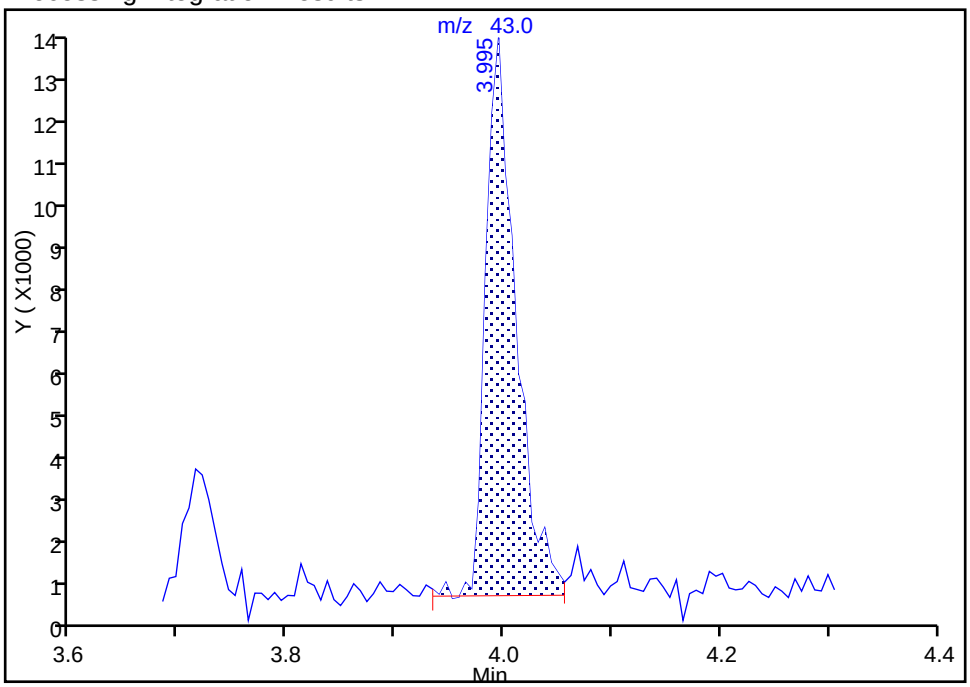
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3870.D
Injection Date: 05-Nov-2017 20:05:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: AS/AM ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

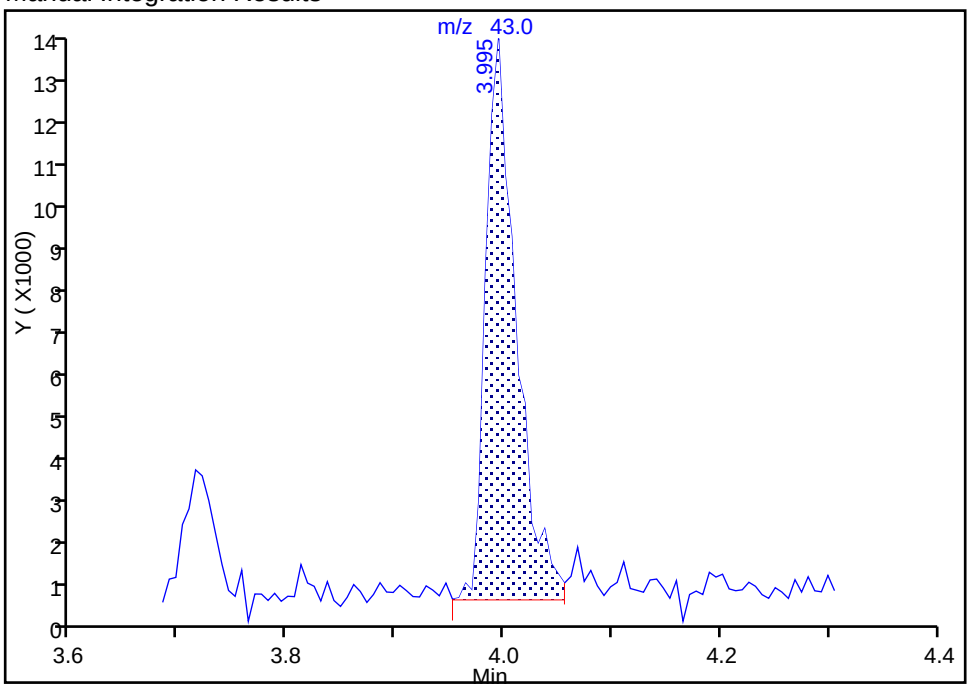
Processing Integration Results

RT: 3.99
Area: 25744
Amount: 1.522039
Amount Units: ug/L



Manual Integration Results

RT: 3.99
Area: 26085
Amount: 1.540259
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:17:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo

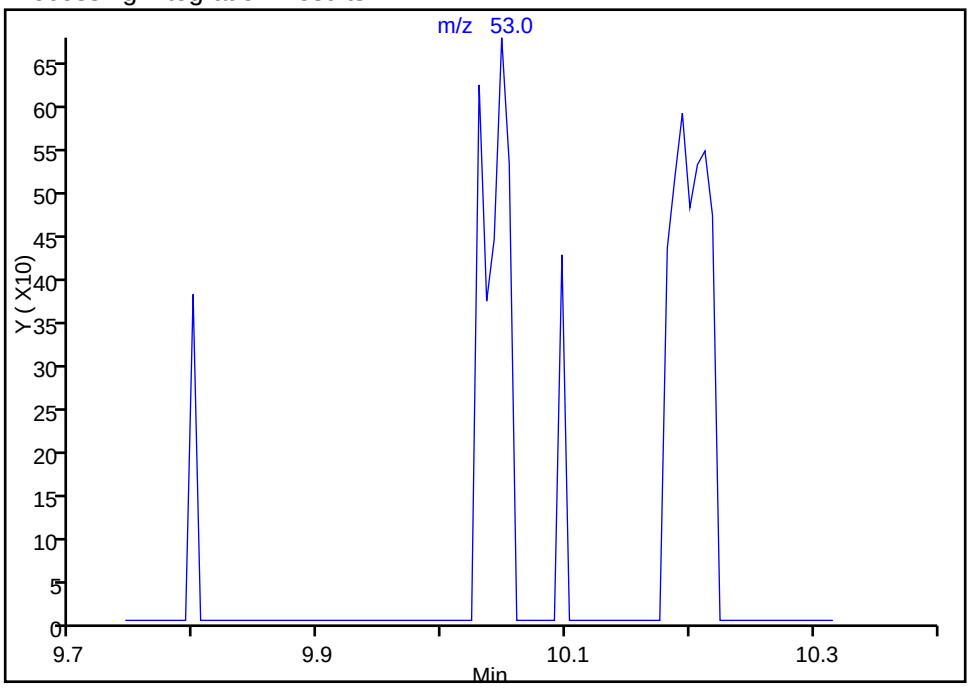
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3870.D
Injection Date: 05-Nov-2017 20:05:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: AS/AM ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

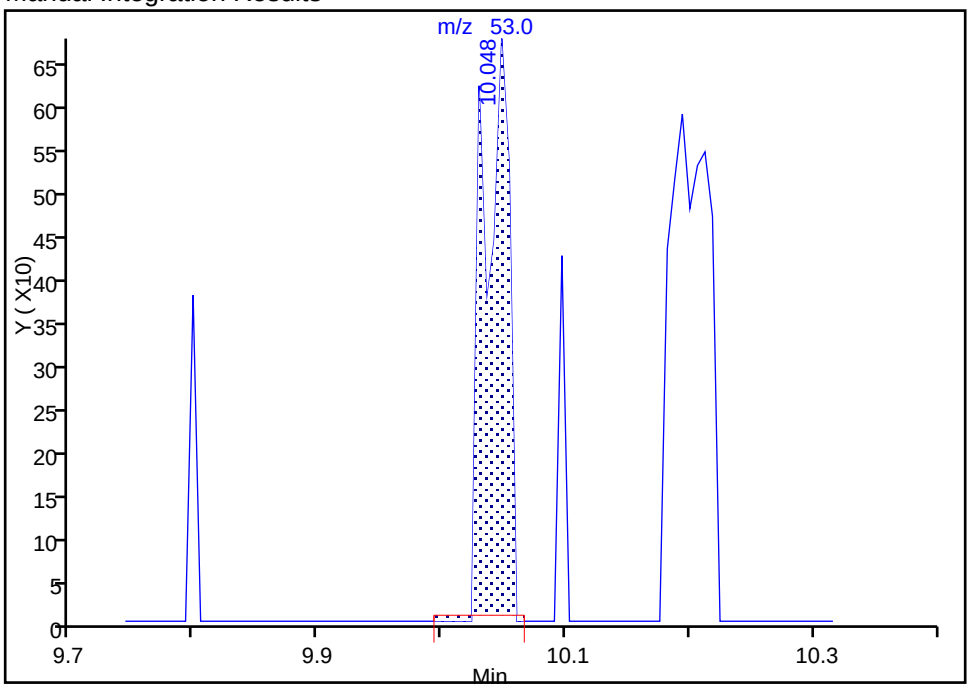
Not Detected
Expected RT: 10.04

Processing Integration Results



Manual Integration Results

RT: 10.05
Area: 934
Amount: 0.454709
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:18:59
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

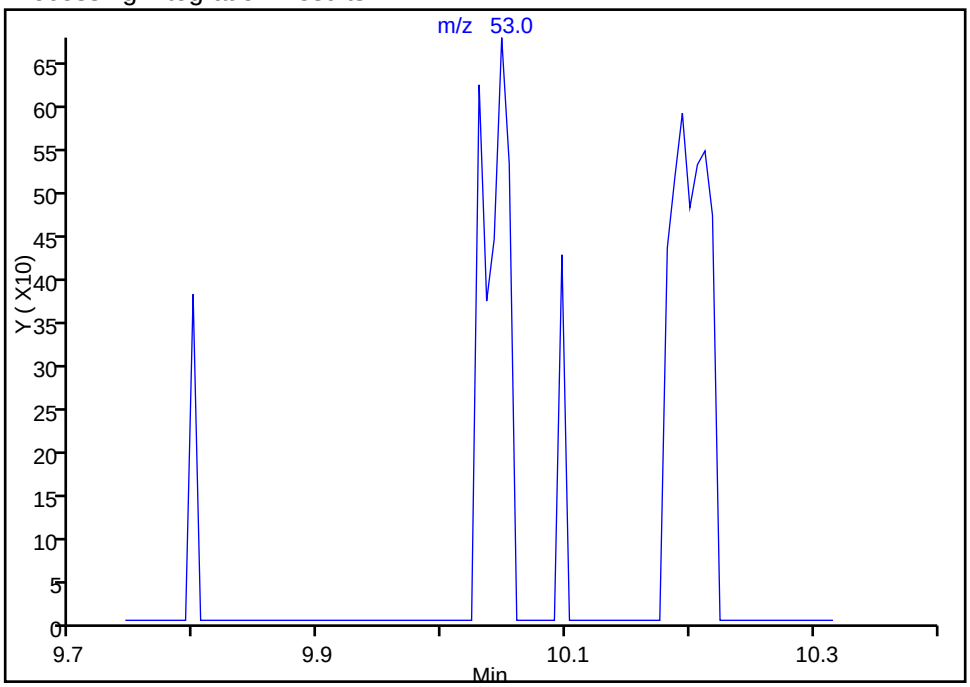
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3870.D
Injection Date: 05-Nov-2017 20:05:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: AS/AM ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

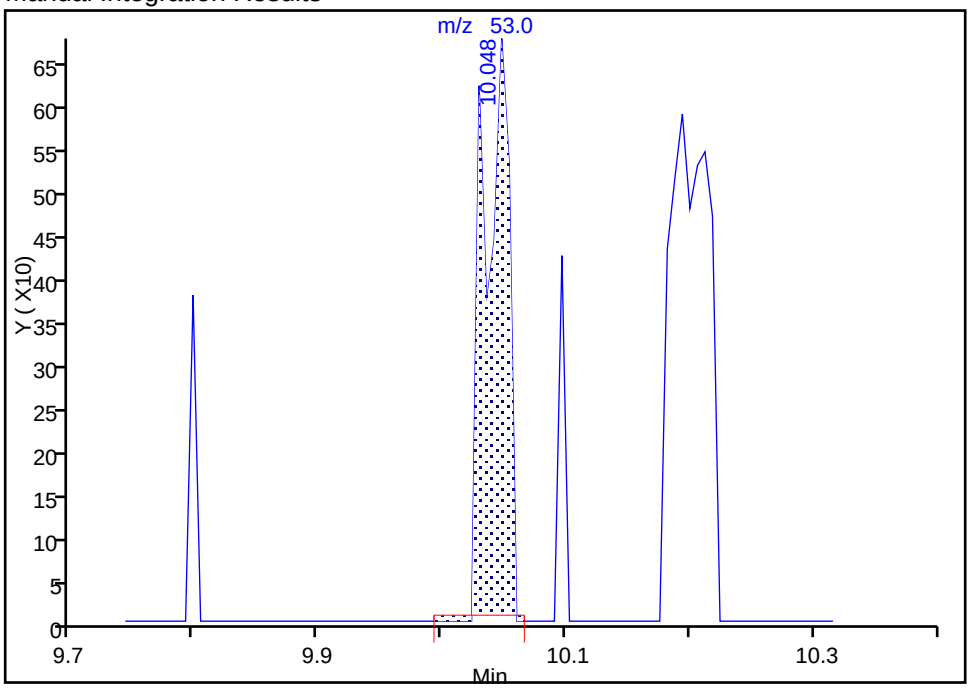
Not Detected
Expected RT: 10.04

Processing Integration Results



Manual Integration Results

RT: 10.05
Area: 934
Amount: 0.454709
Amount Units: ug/L



Reviewer: HillL, 06-Nov-2017 13:56:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3871.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 05-Nov-2017 20:28:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0067029-010
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:46 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 11:31:27

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	5.546	5.552	-0.006	98	138915	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	85	276165	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	94	278570	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	80	176456	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.273	-0.006	0	115350	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	92	719699	25.0	25.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	87	234216	25.0	25.2	
10 Dichlorodifluoromethane	85	1.300	1.300	0.000	65	6260	2.00	1.80	
12 Chloromethane	50	1.483	1.489	-0.006	71	15683	2.00	1.77	
13 Vinyl chloride	62	1.574	1.580	-0.006	51	10243	2.00	1.89	
151 Butadiene	54	1.592	1.604	-0.012	64	12809	2.00	1.74	M
14 Bromomethane	94	1.915	1.908	0.006	56	9894	2.00	2.13	
15 Chloroethane	64	2.006	2.006	0.000	53	6951	2.00	1.52	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	51	19436	2.00	1.87	
17 Trichlorofluoromethane	101	2.225	2.231	-0.006	55	10614	2.00	1.87	
18 Ethyl ether	59	2.535	2.535	0.000	74	12882	2.00	1.87	
20 Acrolein	56	2.711	2.711	0.000	77	15956	10.0	10.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.748	2.742	0.006	20	5830	2.00	1.63	
22 1,1-Dichloroethene	96	2.760	2.760	0.000	72	11883	2.00	2.09	
23 Acetone	43	2.876	2.876	0.000	96	27397	10.0	9.67	
25 Iodomethane	142	2.924	2.924	0.000	71	14322	2.00	2.02	M
26 Carbon disulfide	76	2.955	2.967	-0.012	93	31092	2.00	1.61	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	86	20006	2.00	1.55	
27 Methyl acetate	43	3.186	3.180	0.006	93	28710	4.00	3.89	
30 Methylene Chloride	84	3.271	3.283	-0.012	69	13348	2.00	1.88	M
31 2-Methyl-2-propanol	59	3.441	3.441	0.000	88	19925	20.0	19.3	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	88	44105	2.00	2.05	
34 trans-1,2-Dichloroethene	96	3.508	3.514	-0.006	77	12637	2.00	1.89	
33 Acrylonitrile	53	3.557	3.557	0.000	97	70470	20.0	20.6	
35 Hexane	57	3.715	3.721	-0.006	84	16633	2.00	1.53	

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	3.928	3.934	-0.006	82	20809	2.00	1.70	
37 Vinyl acetate	43	3.989	3.989	0.000	95	74446	4.00	4.24	
44 2,2-Dichloropropane	77	4.464	4.457	0.007	77	15368	2.00	1.81	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	59	15021	2.00	1.99	
43 2-Butanone (MEK)	43	4.537	4.524	0.013	94	37569	10.0	8.49	M
48 Chlorobromomethane	128	4.731	4.725	0.006	72	7313	2.00	1.96	
49 Tetrahydrofuran	42	4.768	4.755	0.013	77	13284	4.00	4.19	
50 Chloroform	83	4.798	4.804	-0.006	69	21853	2.00	1.92	
51 1,1,1-Trichloroethane	97	4.926	4.926	0.000	77	16022	2.00	1.69	
52 Cyclohexane	56	4.938	4.938	0.000	46	18854	2.00	1.60	M
55 Carbon tetrachloride	117	5.066	5.066	0.000	75	14516	2.00	1.66	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	74	14284	2.00	1.61	
57 Benzene	78	5.279	5.279	0.000	54	48936	2.00	1.81	
53 Isobutyl alcohol	43	5.285	5.279	0.006	44	25998	50.0	49.5	M
58 1,2-Dichloroethane	62	5.340	5.339	0.001	69	21157	2.00	2.01	
59 n-Heptane	43	5.467	5.467	0.000	84	22167	2.00	1.81	
62 Trichloroethene	95	5.893	5.893	0.000	83	12124	2.00	1.79	
64 Methylcyclohexane	83	6.021	6.021	0.000	82	16982	2.00	1.62	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	77	14673	2.00	1.97	
67 Dibromomethane	93	6.276	6.264	0.012	69	9016	2.00	2.10	
66 1,4-Dioxane	88	6.289	6.282	0.007	38	2407	40.0	42.8	
68 Dichlorobromomethane	83	6.416	6.416	0.000	84	17332	2.00	1.96	
69 2-Chloroethyl vinyl ether	63	6.702	6.696	0.006	65	10124	2.00	1.88	
72 cis-1,3-Dichloropropene	75	6.842	6.836	0.006	64	18810	2.00	1.73	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	97	100626	10.0	10.8	
74 Toluene	92	7.128	7.134	-0.006	87	32805	2.00	1.90	
77 trans-1,3-Dichloropropene	75	7.408	7.402	0.006	73	19424	2.00	1.96	
75 Ethyl methacrylate	69	7.451	7.450	0.001	80	20877	2.00	2.10	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	69	9737	2.00	1.99	
81 Tetrachloroethene	166	7.663	7.669	-0.006	80	12899	2.00	1.68	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	83	21713	2.00	2.00	
80 2-Hexanone	43	7.828	7.822	0.006	98	73266	10.0	11.1	
83 Chlorodibromomethane	129	7.992	7.992	0.000	56	11619	2.00	1.76	
84 Ethylene Dibromide	107	8.102	8.101	0.001	73	13018	2.00	2.06	
87 Chlorobenzene	112	8.582	8.582	0.000	50	36579	2.00	1.88	
88 Ethylbenzene	91	8.673	8.673	0.000	24	63014	2.00	1.93	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	37	14273	2.00	2.05	
90 m-Xylene & p-Xylene	106	8.789	8.795	-0.006	0	25211	2.00	2.02	
91 o-Xylene	106	9.221	9.221	0.000	91	23856	2.00	1.95	
92 Styrene	104	9.251	9.251	0.000	72	38243	2.00	1.86	
95 Bromoform	173	9.495	9.495	0.000	75	7084	2.00	1.67	
94 Isopropylbenzene	105	9.604	9.604	0.000	82	57195	2.00	1.80	
101 Bromobenzene	156	9.945	9.945	0.000	82	17524	2.00	2.07	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	72	17420	2.00	2.13	
99 N-Propylbenzene	91	10.024	10.024	0.000	95	68434	2.00	1.83	
100 1,2,3-Trichloropropane	110	10.018	10.024	-0.006	37	6903	2.00	2.47	
98 trans-1,4-Dichloro-2-buten	53	10.042	10.036	0.006	24	2954	2.00	1.40	
103 2-Chlorotoluene	126	10.127	10.127	0.000	88	14918	2.00	1.85	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	77	50170	2.00	1.85	
105 4-Chlorotoluene	126	10.237	10.237	0.000	75	14304	2.00	1.77	
106 tert-Butylbenzene	134	10.517	10.517	0.000	81	11789	2.00	1.84	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	26	53428	2.00	1.91	

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	10.724	10.723	0.001	81	60164	2.00	1.78	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	81	31283	2.00	1.94	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	93	53515	2.00	1.77	
113 1,4-Dichlorobenzene	146	10.949	10.942	0.007	78	32373	2.00	1.95	
115 n-Butylbenzene	91	11.247	11.247	0.000	92	47171	2.00	1.79	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	90	30294	2.00	1.97	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.019	-0.006	24	4079	2.00	2.17	
119 1,2,4-Trichlorobenzene	180	12.695	12.694	0.001	70	20351	2.00	1.84	
120 Hexachlorobutadiene	225	12.804	12.804	0.000	67	8838	2.00	1.68	
121 Naphthalene	128	12.908	12.907	0.001	91	54746	2.00	1.90	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	79	19521	2.00	1.83	
S 123 Total BTEX	1				0			9.62	
S 124 Xylenes, Total	1				0			3.97	
S 125 1,2-Dichloroethene, Total	1				0			3.88	
S 126 1,3-Dichloropropene, Total	1				0			3.69	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	2.00	Units: uL	
GAS CORP mix_00249	Amount Added:	2.00	Units: uL	
S_8260_IS_00271	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added:	1.00	Units: uL	Run Reagent

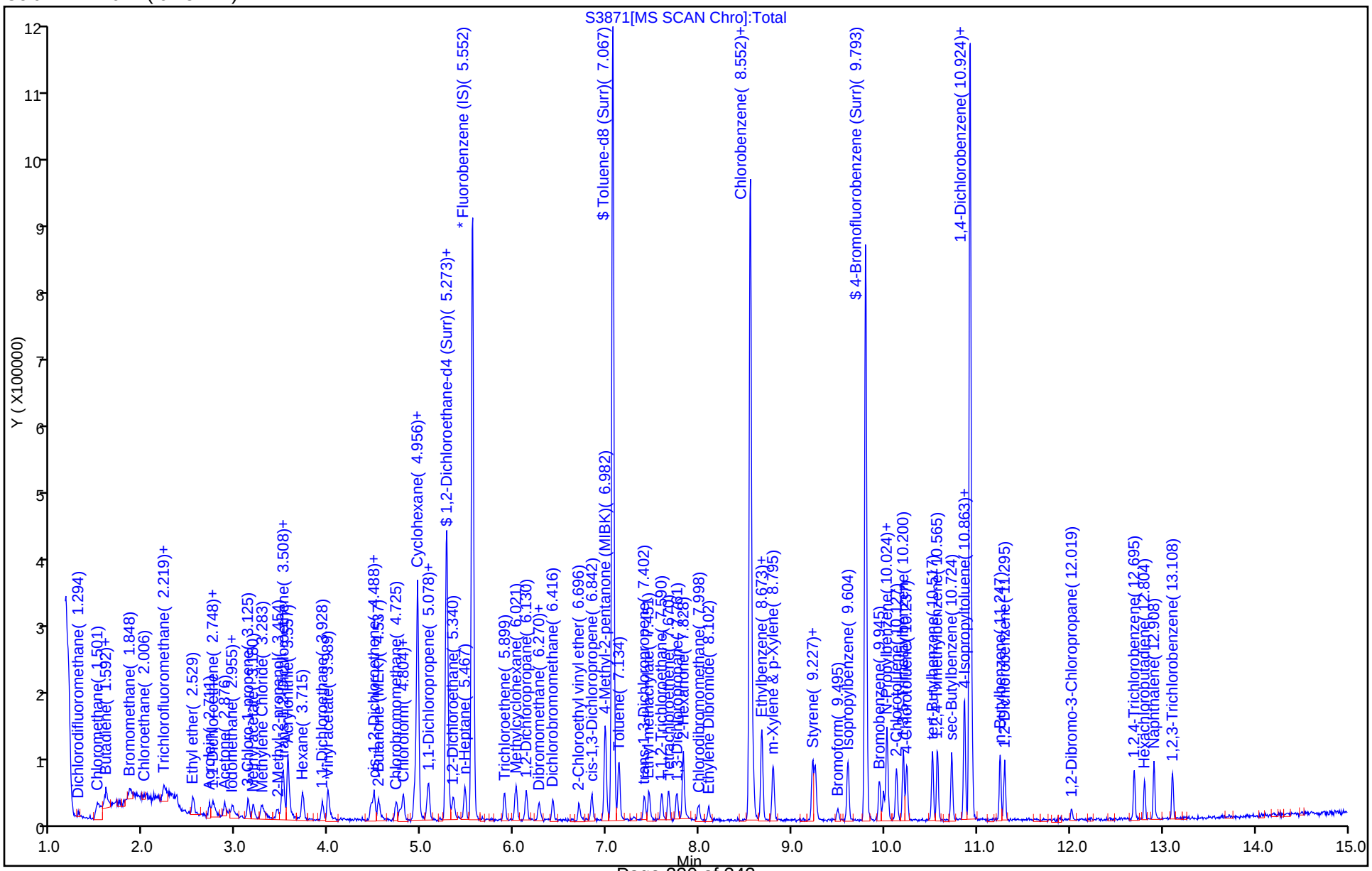
Report Date: 06-Nov-2017 14:29:47 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3871.D

Injection Date:	05-Nov-2017 20:28:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC 2			Worklist Smp#:	10
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)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

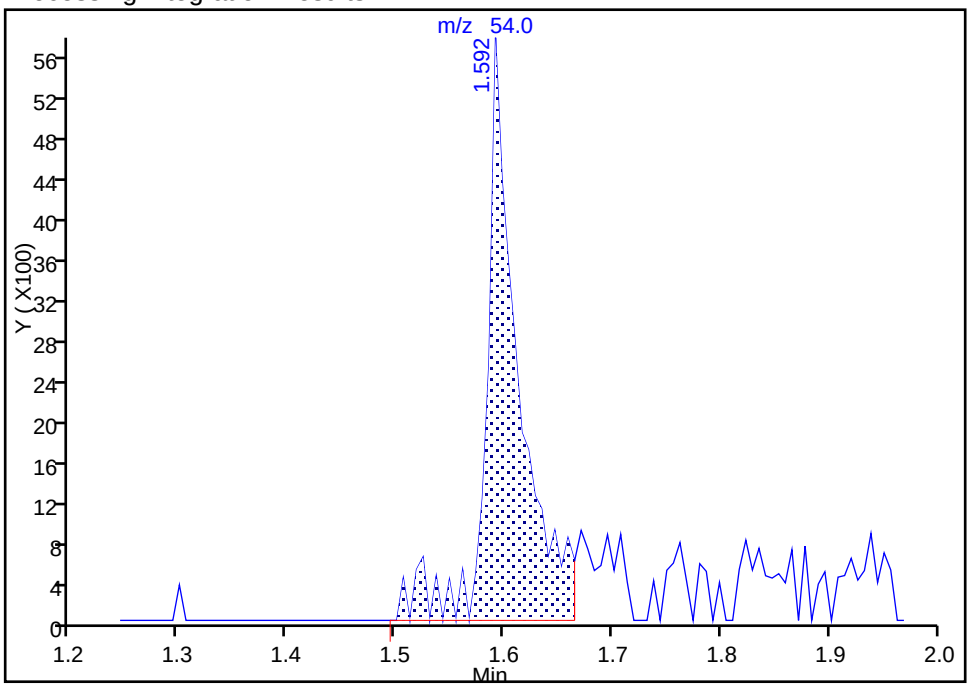
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3871.D
Injection Date: 05-Nov-2017 20:28:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: AS/AM ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

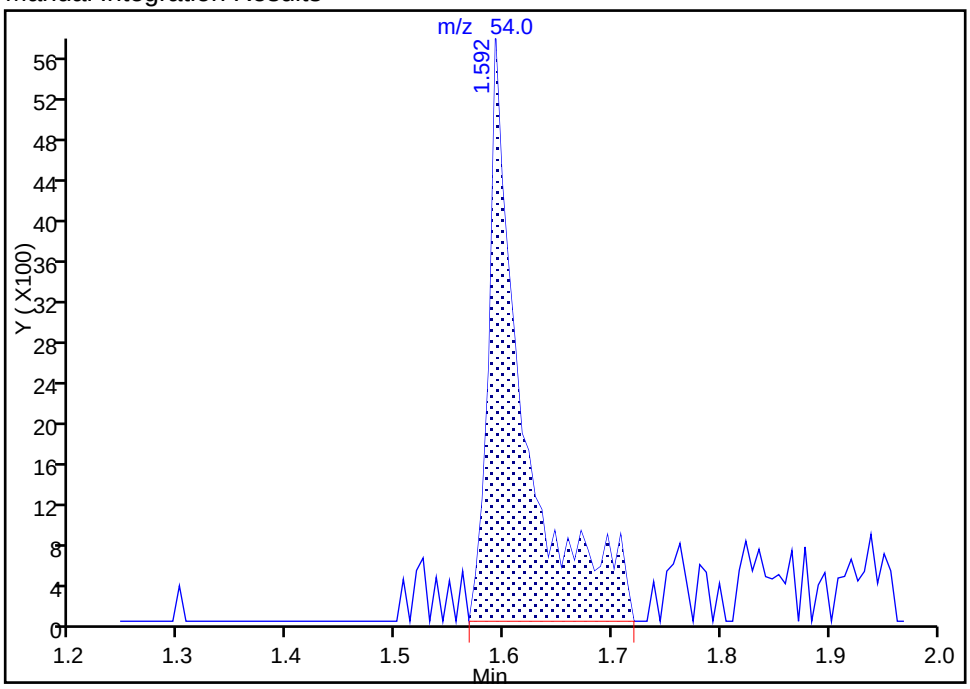
Processing Integration Results

RT: 1.59
Area: 11959
Amount: 1.639942
Amount Units: ug/L



Manual Integration Results

RT: 1.59
Area: 12809
Amount: 1.741999
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:40:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

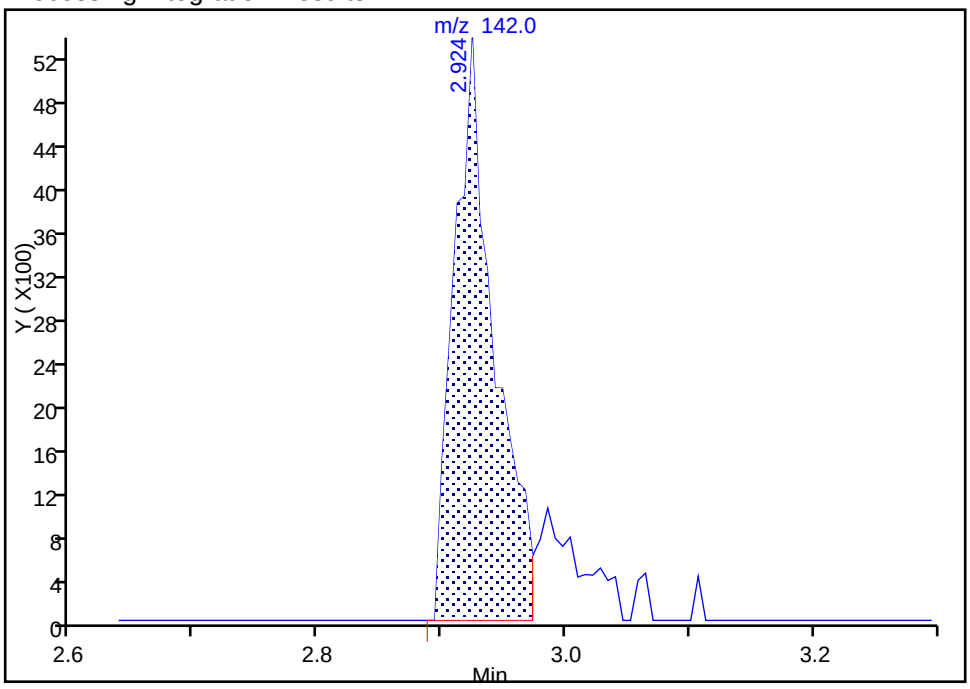
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3871.D
Injection Date: 05-Nov-2017 20:28:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: AS/AM ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

25 Iodomethane, CAS: 74-88-4

Signal: 1

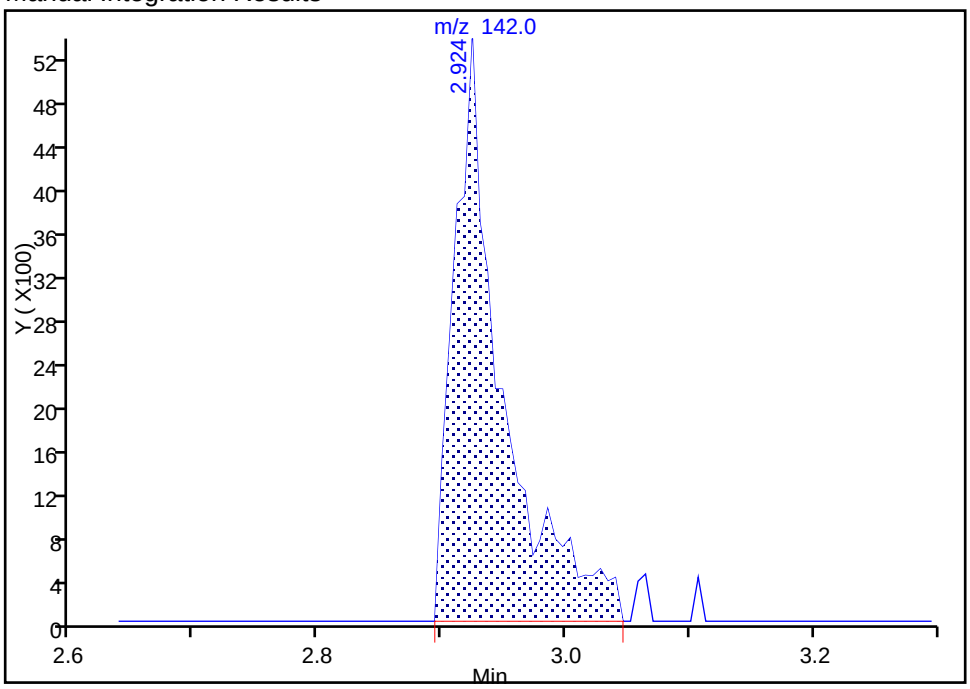
Processing Integration Results

RT: 2.92
Area: 11983
Amount: 1.449617
Amount Units: ug/L



Manual Integration Results

RT: 2.92
Area: 14322
Amount: 2.024030
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 12:13:29
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

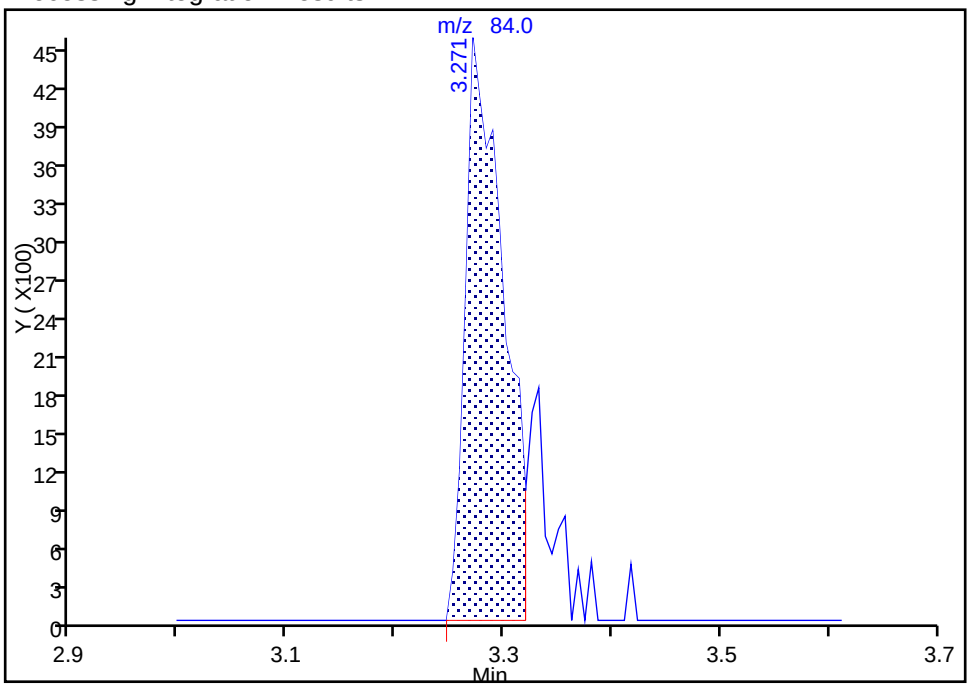
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3871.D
Injection Date: 05-Nov-2017 20:28:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: AS/AM ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

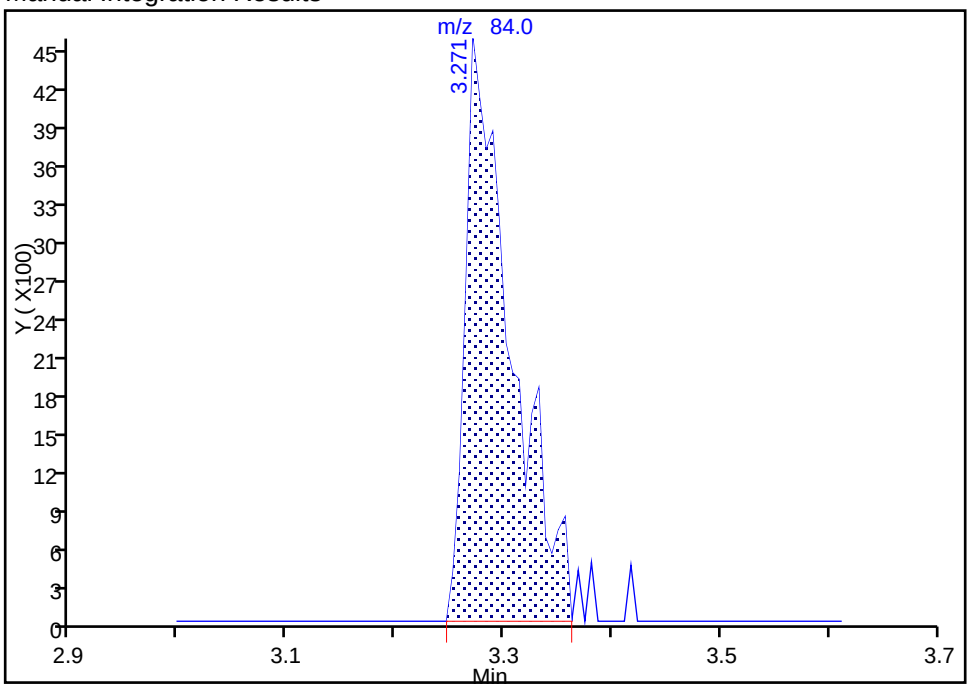
Processing Integration Results

RT: 3.27
Area: 11110
Amount: 1.598429
Amount Units: ug/L



Manual Integration Results

RT: 3.27
Area: 13348
Amount: 1.882533
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:41:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

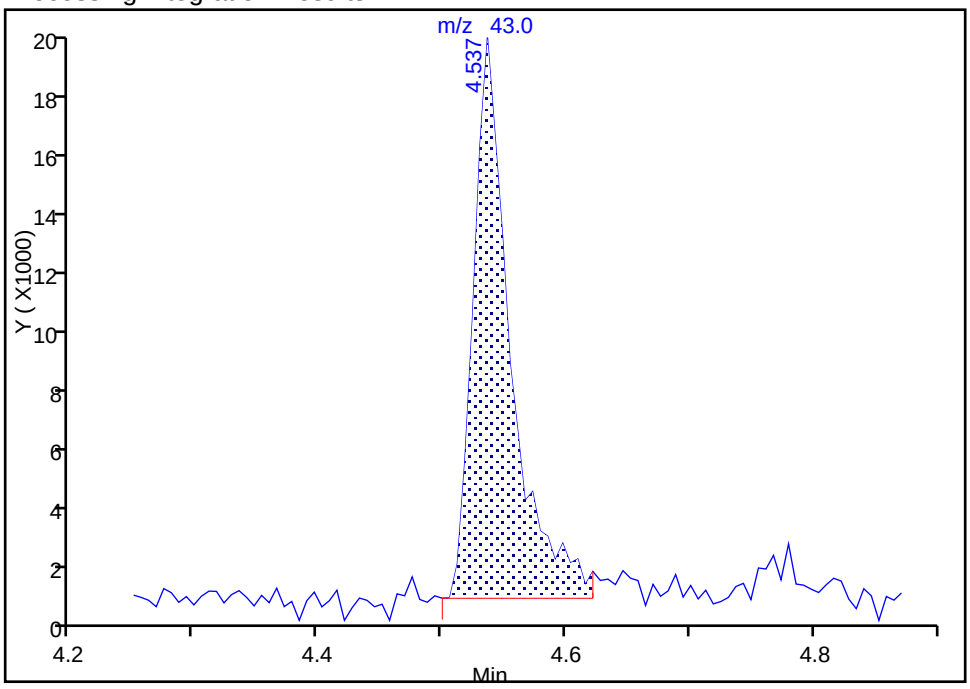
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3871.D
Injection Date: 05-Nov-2017 20:28:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: AS/AM ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

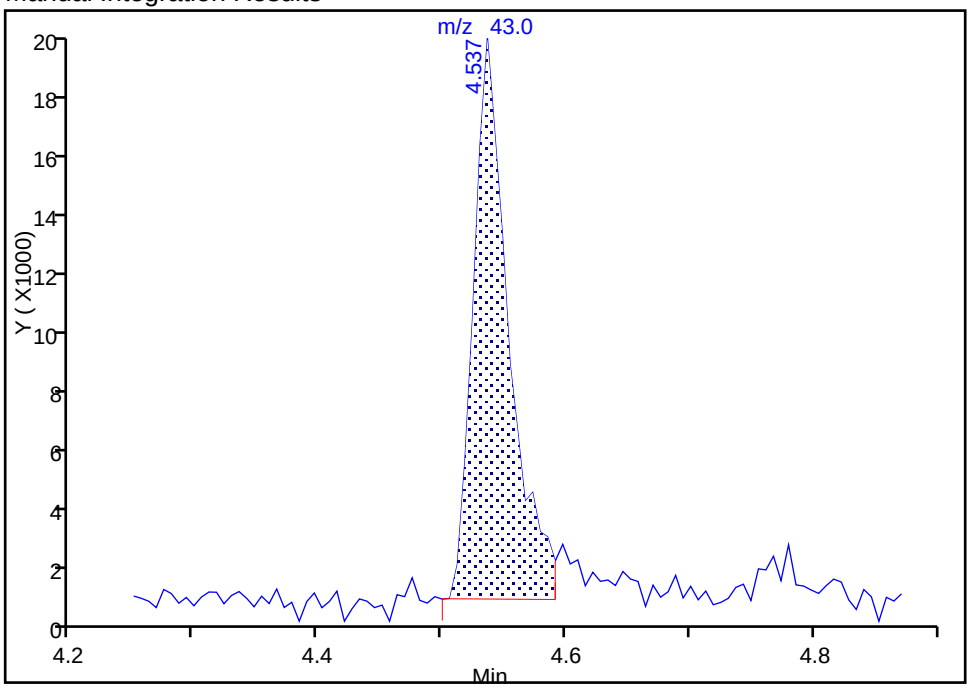
Processing Integration Results

RT: 4.54
Area: 39654
Amount: 8.912513
Amount Units: ug/L



Manual Integration Results

RT: 4.54
Area: 37569
Amount: 8.493648
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:49:36
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

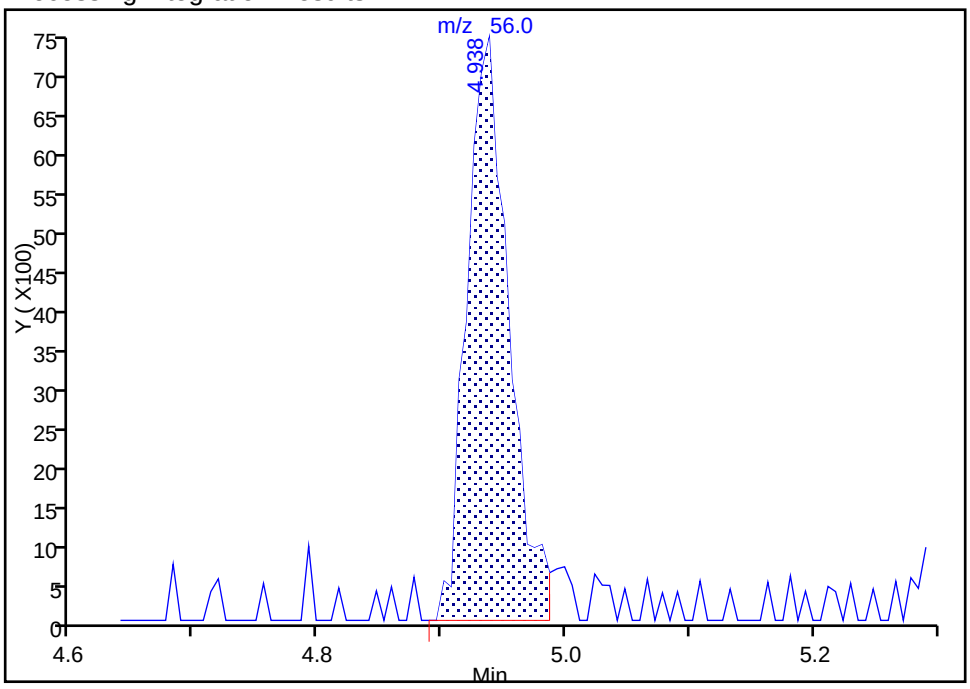
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3871.D
Injection Date: 05-Nov-2017 20:28:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: AS/AM ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

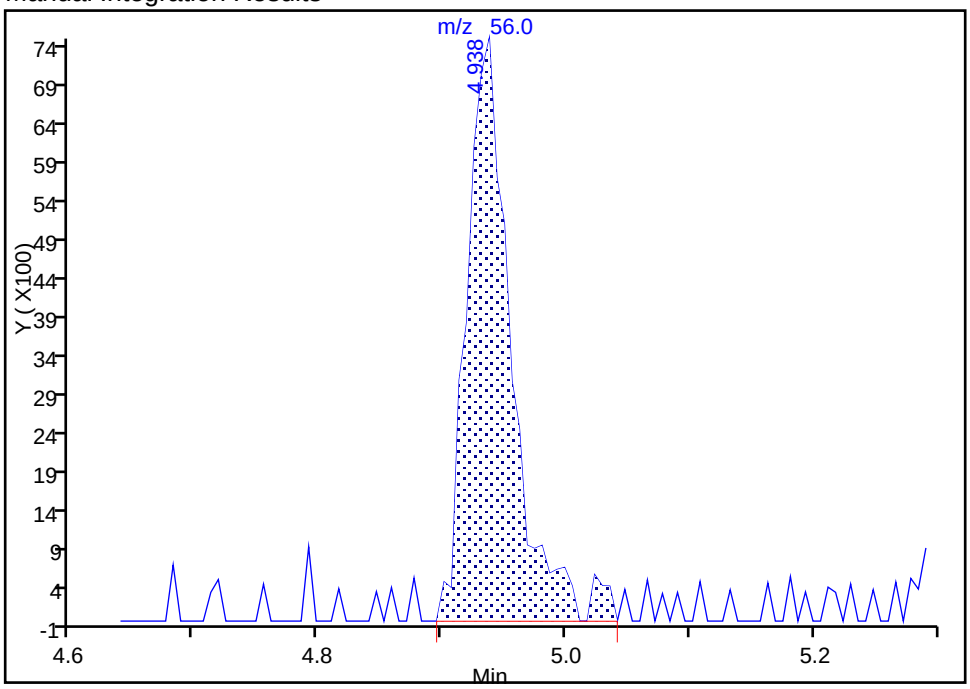
Processing Integration Results

RT: 4.94
Area: 17634
Amount: 1.591869
Amount Units: ug/L



Manual Integration Results

RT: 4.94
Area: 18854
Amount: 1.595415
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 12:11:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

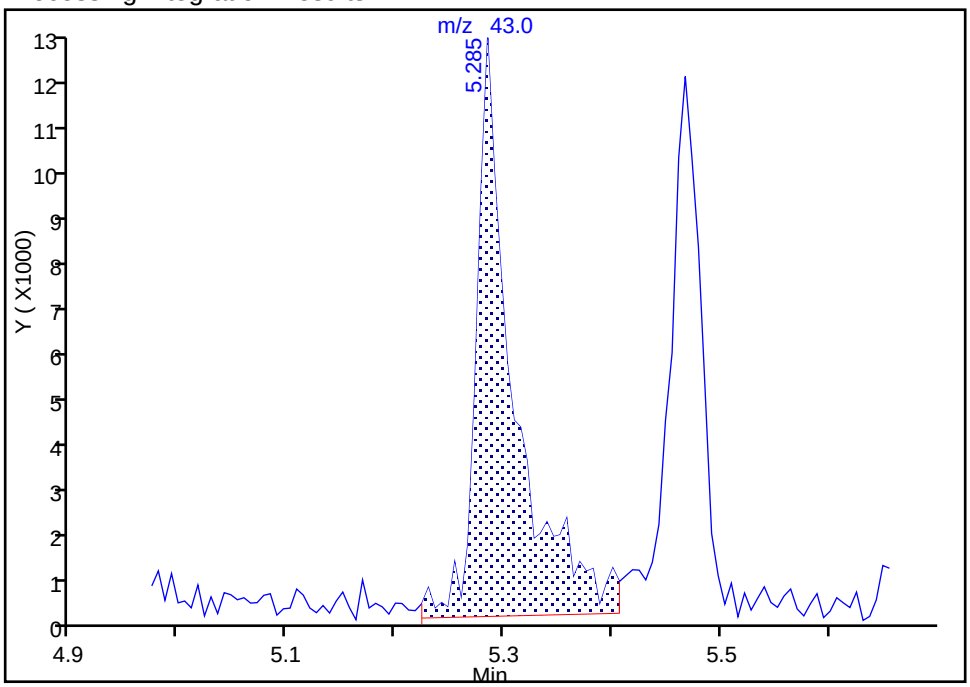
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3871.D
Injection Date: 05-Nov-2017 20:28:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: AS/AM ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

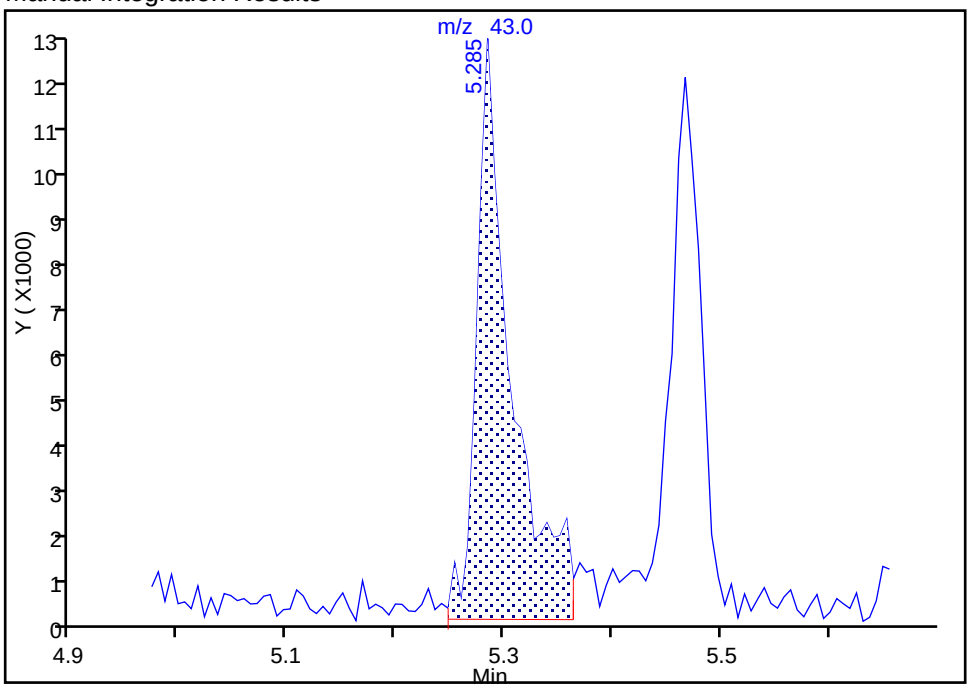
Processing Integration Results

RT: 5.28
Area: 27976
Amount: 52.722237
Amount Units: ug/L



Manual Integration Results

RT: 5.28
Area: 25998
Amount: 49.455474
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:54:25
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3872.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Nov-2017 20:52:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0067029-011
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:48 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 11:33:10

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	5.552	5.552	0.000	98	136407	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	86	273660	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	92	269552	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	80	175852	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.272	5.272	0.000	0	112484	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	93	692679	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	230686	25.0	25.0	
10 Dichlorodifluoromethane	85	1.306	1.306	0.000	90	25356	5.00	5.06	
12 Chloromethane	50	1.482	1.482	0.000	95	43348	5.00	4.99	
13 Vinyl chloride	62	1.580	1.580	0.000	79	32559	5.00	4.74	
151 Butadiene	54	1.598	1.598	0.000	68	37284	5.00	5.16	M
14 Bromomethane	94	1.890	1.890	0.000	61	18587	5.00	4.08	
15 Chloroethane	64	2.012	2.012	0.000	79	22892	5.00	5.09	
16 Dichlorofluoromethane	67	2.231	2.231	0.000	92	60589	5.00	5.95	M
17 Trichlorofluoromethane	101	2.225	2.225	0.000	72	39926	5.00	4.97	M
18 Ethyl ether	59	2.535	2.535	0.000	91	31798	5.00	4.71	
20 Acrolein	56	2.711	2.711	0.000	92	33483	25.0	21.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.748	2.748	0.000	60	24291	5.00	5.25	M
22 1,1-Dichloroethene	96	2.760	2.760	0.000	88	30446	5.00	4.94	M
23 Acetone	43	2.876	2.876	0.000	93	64828	25.0	23.3	
25 Iodomethane	142	2.930	2.930	0.000	95	40218	5.00	4.41	
26 Carbon disulfide	76	2.961	2.961	0.000	98	91412	5.00	4.83	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	84	60483	5.00	4.78	
27 Methyl acetate	43	3.186	3.186	0.000	97	70680	10.0	9.76	
30 Methylene Chloride	84	3.283	3.283	0.000	91	32517	5.00	4.67	
31 2-Methyl-2-propanol	59	3.447	3.447	0.000	98	49456	50.0	48.7	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	89	101340	5.00	4.79	
34 trans-1,2-Dichloroethene	96	3.508	3.508	0.000	69	32789	5.00	4.99	
33 Acrylonitrile	53	3.557	3.557	0.000	95	160860	50.0	47.8	
35 Hexane	57	3.715	3.715	0.000	90	57503	5.00	5.40	

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	3.934	3.934	0.000	82	59912	5.00	4.97	
37 Vinyl acetate	43	3.989	3.989	0.000	96	164704	10.0	9.55	
44 2,2-Dichloropropane	77	4.457	4.457	0.000	88	41133	5.00	4.94	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	78	36828	5.00	4.96	
43 2-Butanone (MEK)	43	4.530	4.530	0.000	97	99971	25.0	23.0	M
48 Chlorobromomethane	128	4.725	4.725	0.000	87	16577	5.00	4.53	
49 Tetrahydrofuran	42	4.768	4.768	0.000	87	29766	10.0	9.56	
50 Chloroform	83	4.798	4.798	0.000	91	53077	5.00	4.75	
51 1,1,1-Trichloroethane	97	4.926	4.926	0.000	87	46812	5.00	5.03	
52 Cyclohexane	56	4.932	4.932	0.000	96	62372	5.00	5.37	M
55 Carbon tetrachloride	117	5.066	5.066	0.000	87	42253	5.00	4.91	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	87	43329	5.00	4.97	
53 Isobutyl alcohol	43	5.285	5.285	0.000	63	57201	125.0	110.8	
57 Benzene	78	5.279	5.279	0.000	80	127369	5.00	4.81	
58 1,2-Dichloroethane	62	5.345	5.345	0.000	54	48840	5.00	4.72	
59 n-Heptane	43	5.473	5.473	0.000	95	57549	5.00	4.79	
62 Trichloroethene	95	5.893	5.893	0.000	89	34375	5.00	5.16	
64 Methylcyclohexane	83	6.021	6.021	0.000	91	53997	5.00	5.24	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	86	33778	5.00	4.61	
67 Dibromomethane	93	6.270	6.270	0.000	86	19172	5.00	4.55	
66 1,4-Dioxane	88	6.288	6.288	0.000	58	8159	100.0	98.4	M
68 Dichlorobromomethane	83	6.422	6.422	0.000	92	41797	5.00	4.81	
69 2-Chloroethyl vinyl ether	63	6.702	6.702	0.000	78	24102	5.00	4.56	
72 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	74	50994	5.00	4.79	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	97	224373	25.0	24.3	
74 Toluene	92	7.134	7.134	0.000	81	82078	5.00	4.81	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	94	46539	5.00	4.73	
75 Ethyl methacrylate	69	7.450	7.450	0.000	85	44772	5.00	4.54	
79 1,1,2-Trichloroethane	83	7.596	7.596	0.000	80	23319	5.00	4.80	
81 Tetrachloroethene	166	7.669	7.669	0.000	86	35751	5.00	4.71	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	97	51728	5.00	4.82	
80 2-Hexanone	43	7.822	7.822	0.000	95	146924	25.0	22.4	
83 Chlorodibromomethane	129	7.992	7.992	0.000	84	32011	5.00	4.88	
84 Ethylene Dibromide	107	8.101	8.101	0.000	89	30994	5.00	4.94	
87 Chlorobenzene	112	8.582	8.582	0.000	93	92324	5.00	4.80	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.679	0.000	41	32406	5.00	4.69	
88 Ethylbenzene	91	8.673	8.673	0.000	36	155974	5.00	4.82	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	58522	5.00	4.73	
91 o-Xylene	106	9.221	9.221	0.000	98	59636	5.00	4.93	
92 Styrene	104	9.251	9.251	0.000	94	98920	5.00	4.86	
95 Bromoform	173	9.488	9.488	0.000	77	19914	5.00	4.74	
94 Isopropylbenzene	105	9.604	9.604	0.000	94	153136	5.00	4.97	
101 Bromobenzene	156	9.945	9.945	0.000	92	39345	5.00	4.80	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	87	38728	5.00	4.90	
100 1,2,3-Trichloropropane	110	10.018	10.018	0.000	37	13221	5.00	4.89	
99 N-Propylbenzene	91	10.024	10.024	0.000	97	183565	5.00	5.07	
98 trans-1,4-Dichloro-2-buten	53	10.042	10.042	0.000	32	8179	5.00	4.00	
103 2-Chlorotoluene	126	10.127	10.127	0.000	95	37255	5.00	4.78	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	82	130125	5.00	4.96	
105 4-Chlorotoluene	126	10.237	10.237	0.000	79	38658	5.00	4.94	
106 tert-Butylbenzene	134	10.517	10.517	0.000	89	29491	5.00	4.76	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	37	136782	5.00	5.05	

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	10.723	10.723	0.000	92	165401	5.00	5.06	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	75	77212	5.00	4.95	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	96	148208	5.00	5.08	
113 1,4-Dichlorobenzene	146	10.942	10.942	0.000	76	78704	5.00	4.89	
115 n-Butylbenzene	91	11.247	11.247	0.000	96	127113	5.00	4.98	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	94	72261	5.00	4.85	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	65	8876	5.00	4.89	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	91	52081	5.00	4.87	
120 Hexachlorobutadiene	225	12.804	12.804	0.000	91	26589	5.00	5.22	
121 Naphthalene	128	12.907	12.907	0.000	96	135895	5.00	4.87	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	95	48738	5.00	4.73	
S 125 1,2-Dichloroethene, Total	1				0			9.95	
S 126 1,3-Dichloropropene, Total	1				0			9.52	
S 123 Total BTEX	1				0			24.1	
S 124 Xylenes, Total	1				0			9.66	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	5.00	Units: uL	
GAS CORP mix_00249	Amount Added:	5.00	Units: uL	
S_8260_IS_00271	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added:	1.00	Units: uL	Run Reagent

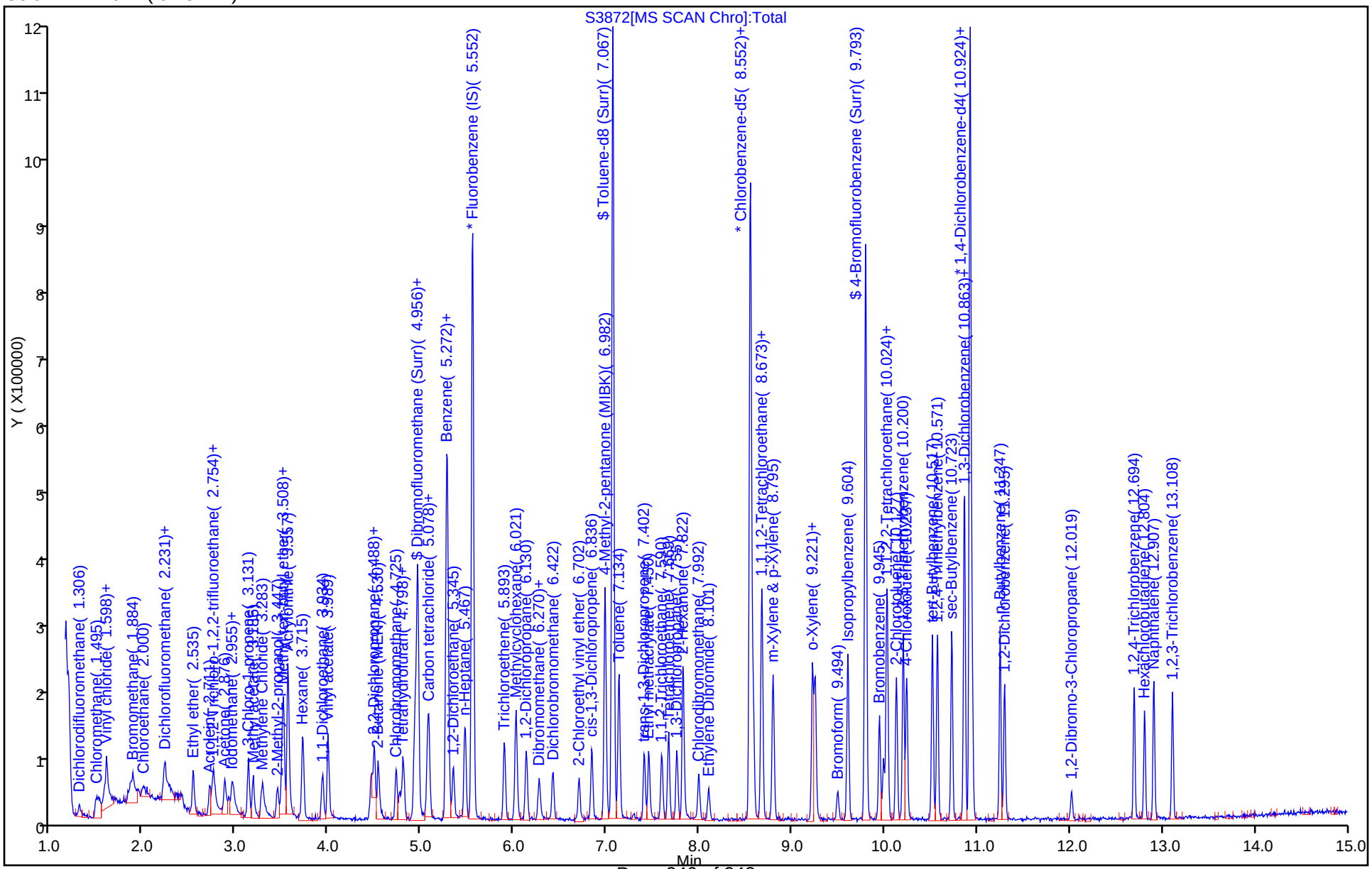
Report Date: 06-Nov-2017 14:29:50 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3872.D

Injection Date:	05-Nov-2017 20:52:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC 3			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

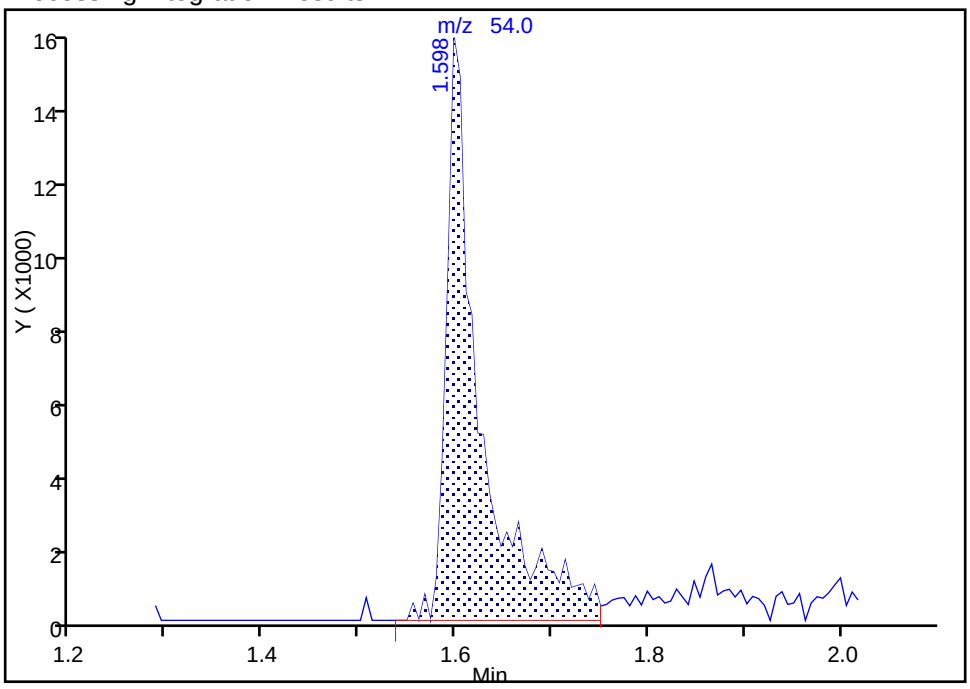
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3872.D
Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

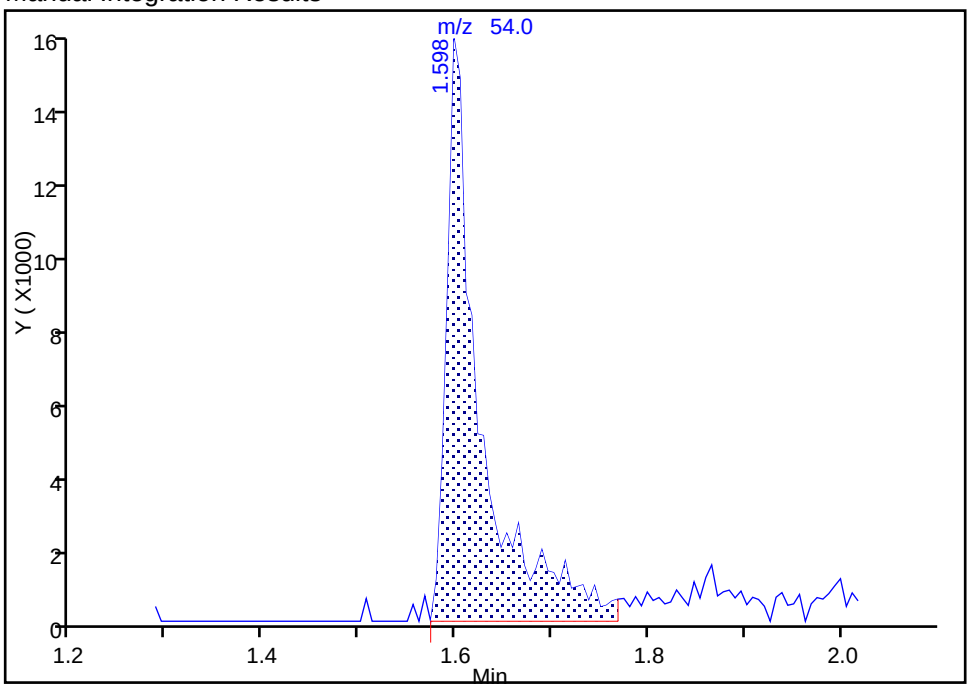
Processing Integration Results

RT: 1.60
Area: 37130
Amount: 5.188453
Amount Units: ug/L



Manual Integration Results

RT: 1.60
Area: 37284
Amount: 5.163779
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:32:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

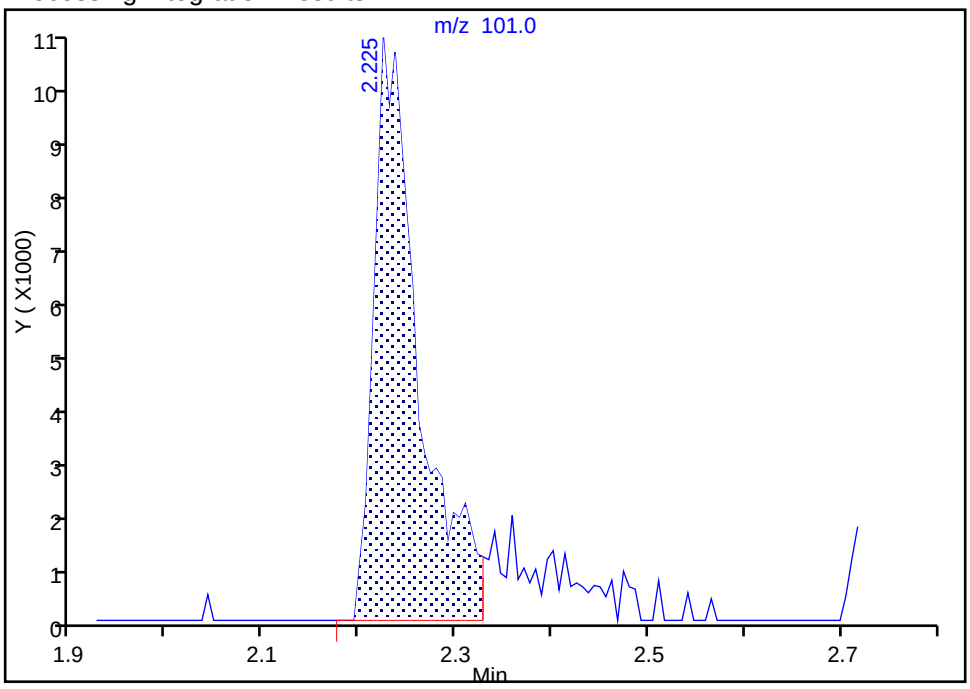
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3872.D
Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

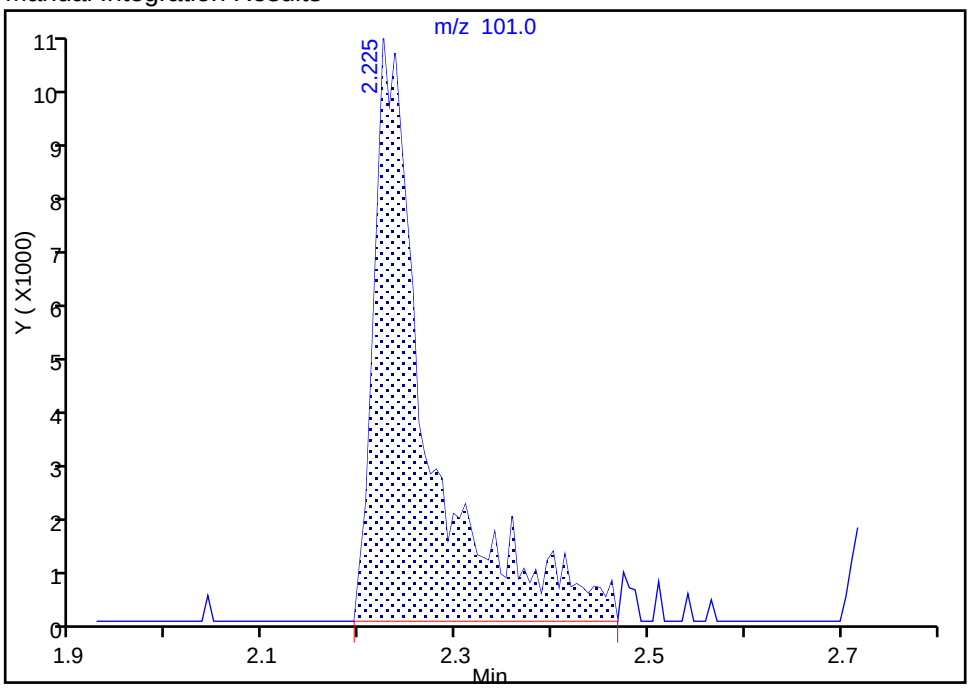
Processing Integration Results

RT: 2.22
Area: 33230
Amount: 4.673037
Amount Units: ug/L



Manual Integration Results

RT: 2.22
Area: 39926
Amount: 4.973195
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:36:02
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

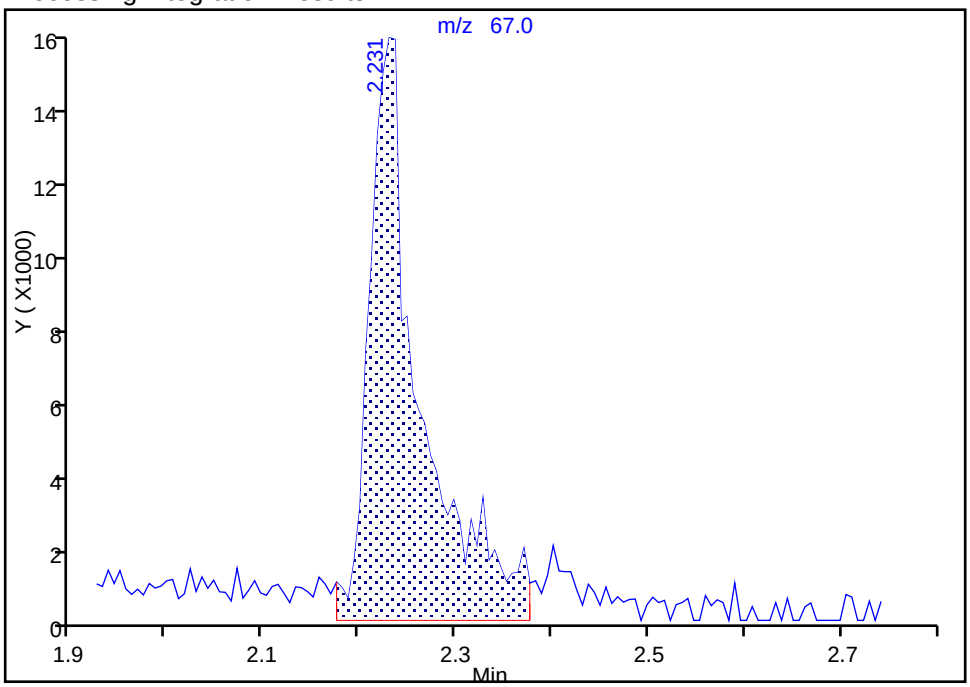
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3872.D
Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

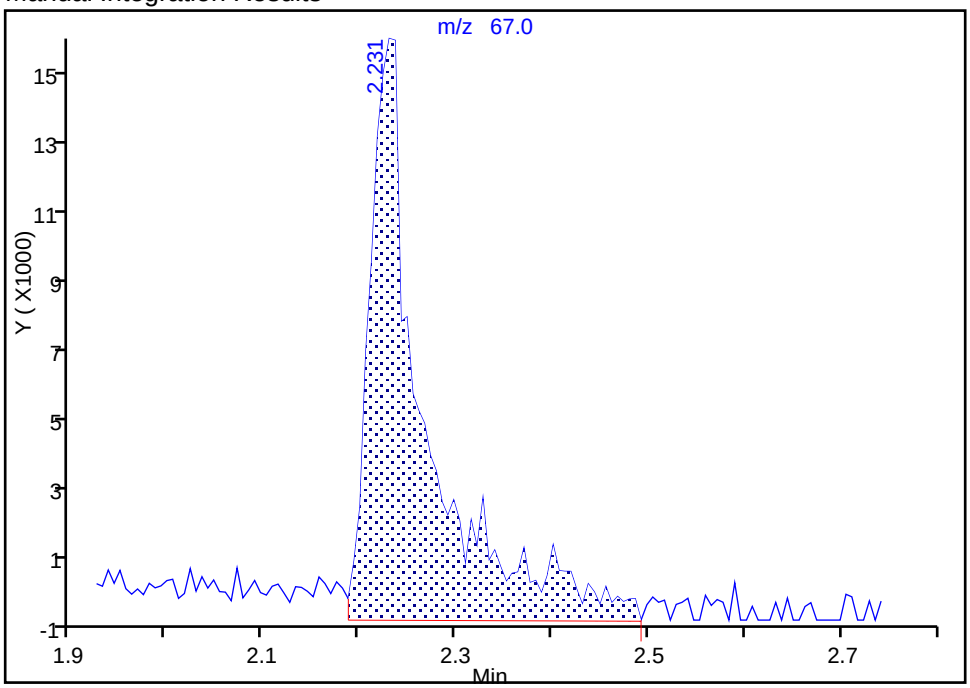
Processing Integration Results

RT: 2.23
Area: 55364
Amount: 5.515557
Amount Units: ug/L



Manual Integration Results

RT: 2.23
Area: 60589
Amount: 5.947635
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:33:42
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo

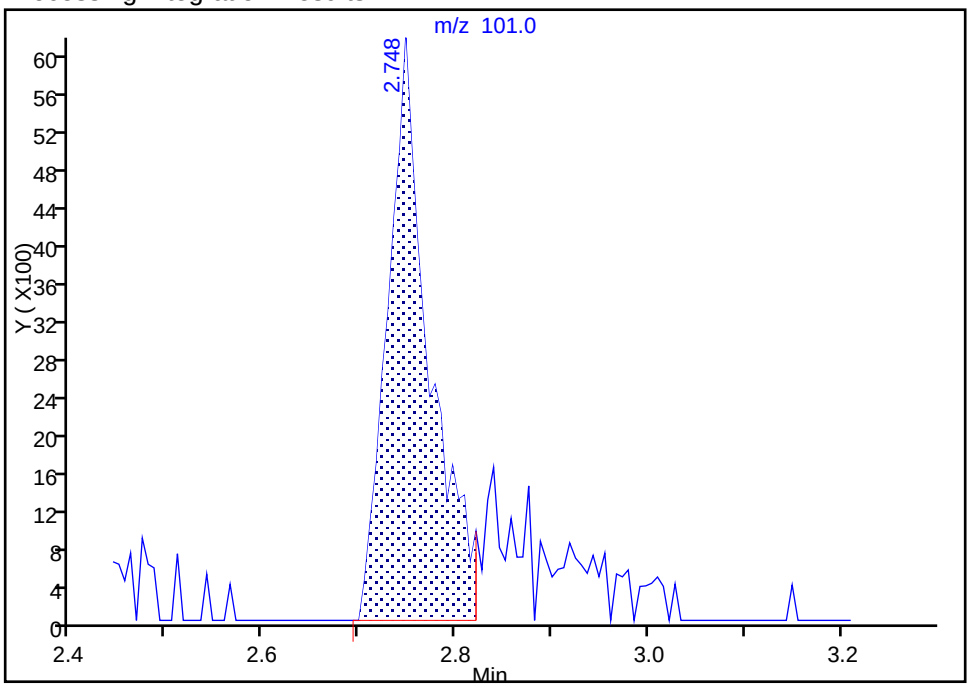
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3872.D
Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

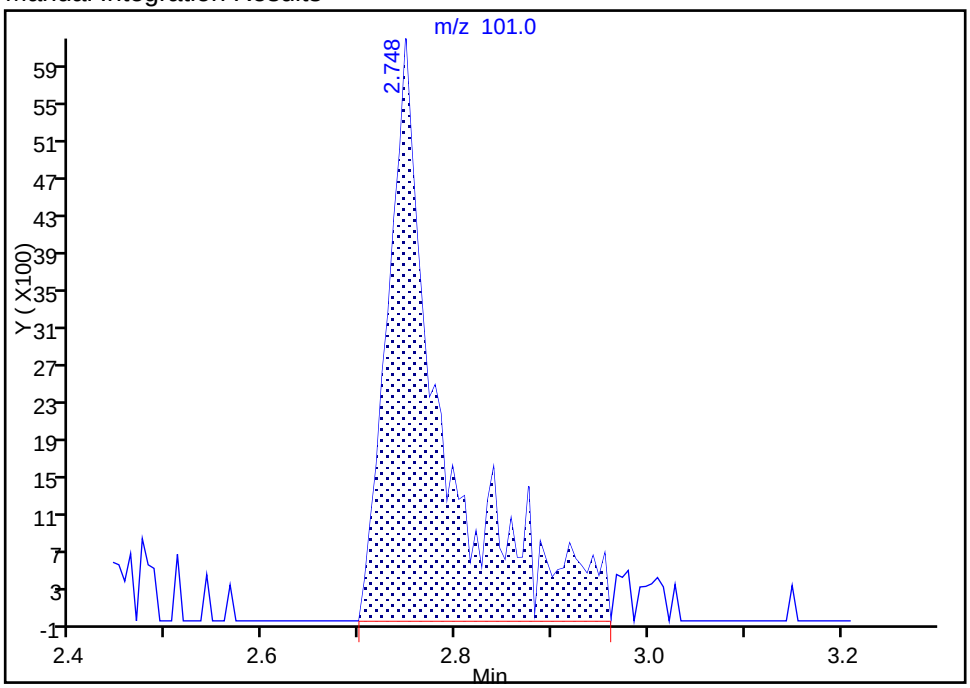
Processing Integration Results

RT: 2.75
Area: 18388
Amount: 4.323628
Amount Units: ug/L



Manual Integration Results

RT: 2.75
Area: 24291
Amount: 5.251950
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:39:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Buffalo

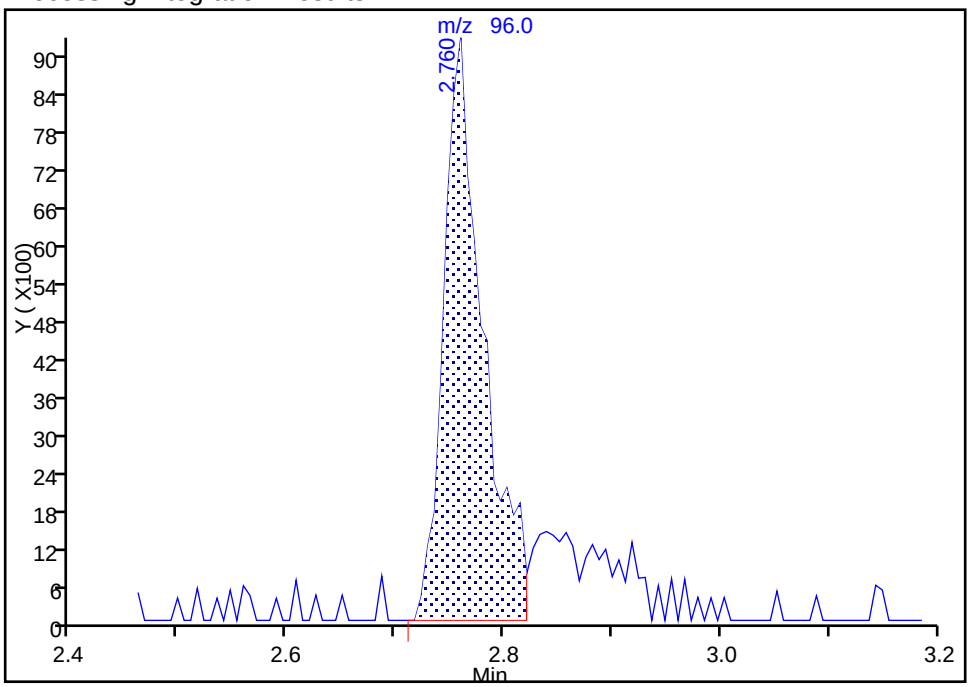
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3872.D
Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

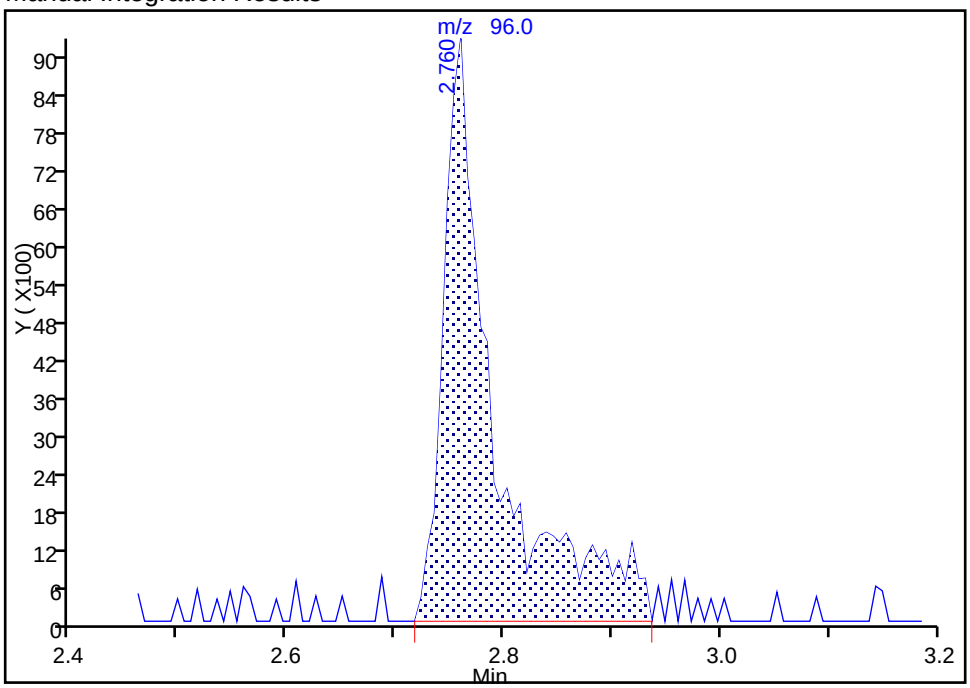
Processing Integration Results

RT: 2.76
Area: 23520
Amount: 3.946869
Amount Units: ug/L



Manual Integration Results

RT: 2.76
Area: 30446
Amount: 4.936570
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:57:17
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

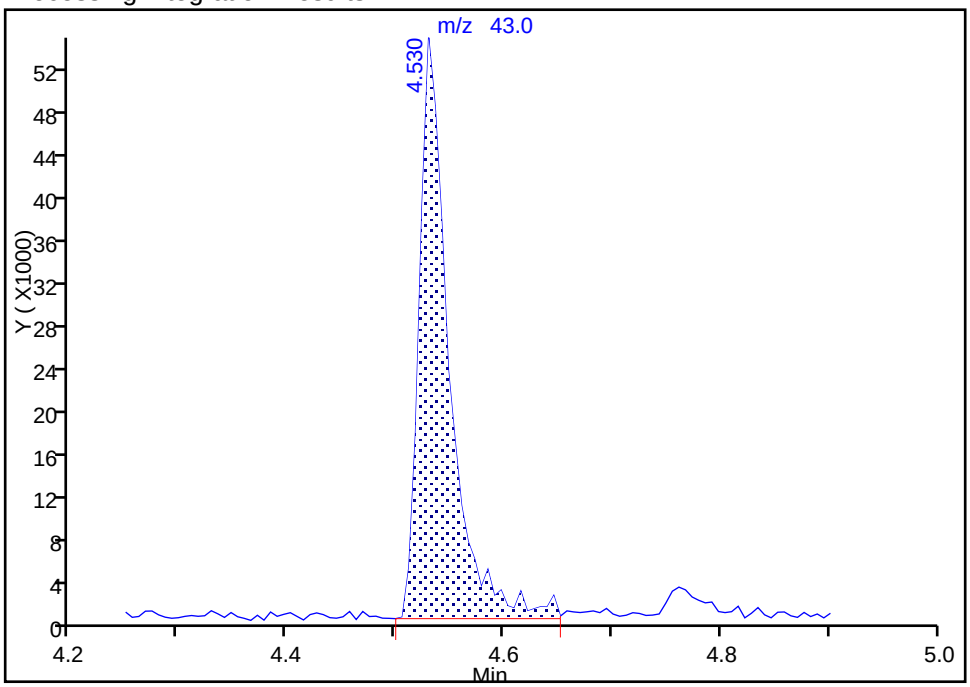
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3872.D
Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

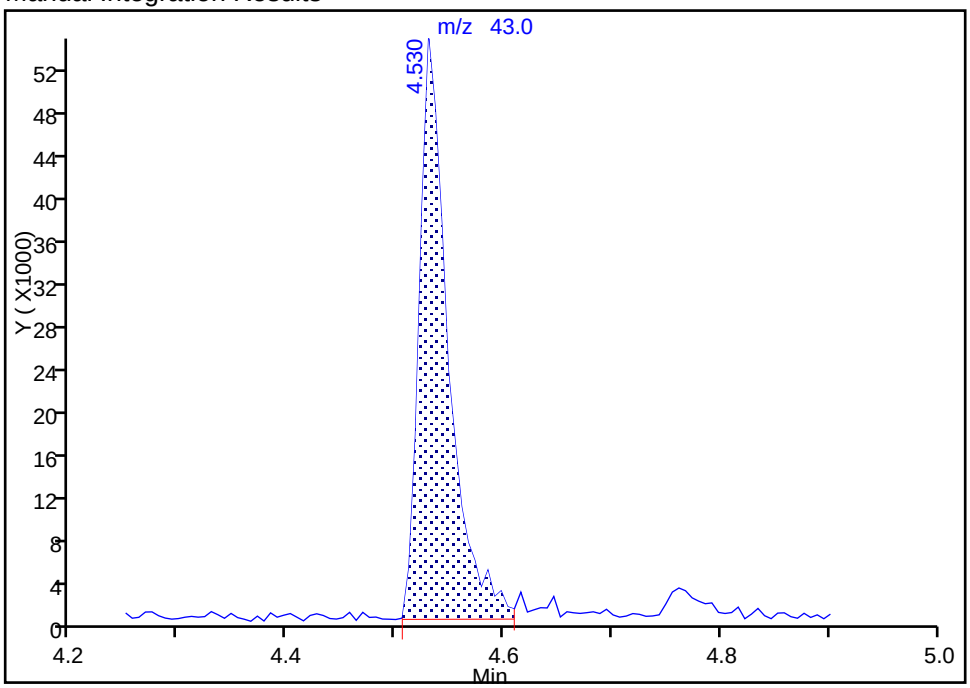
Processing Integration Results

RT: 4.53
Area: 103294
Amount: 23.553327
Amount Units: ug/L



Manual Integration Results

RT: 4.53
Area: 99971
Amount: 23.017129
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:48:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

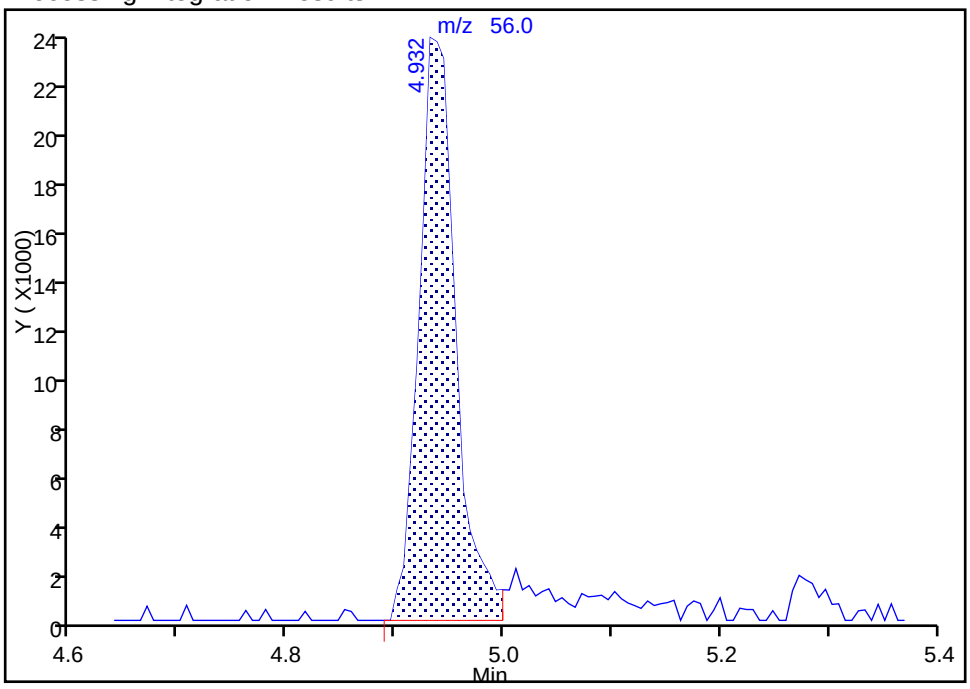
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3872.D
Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

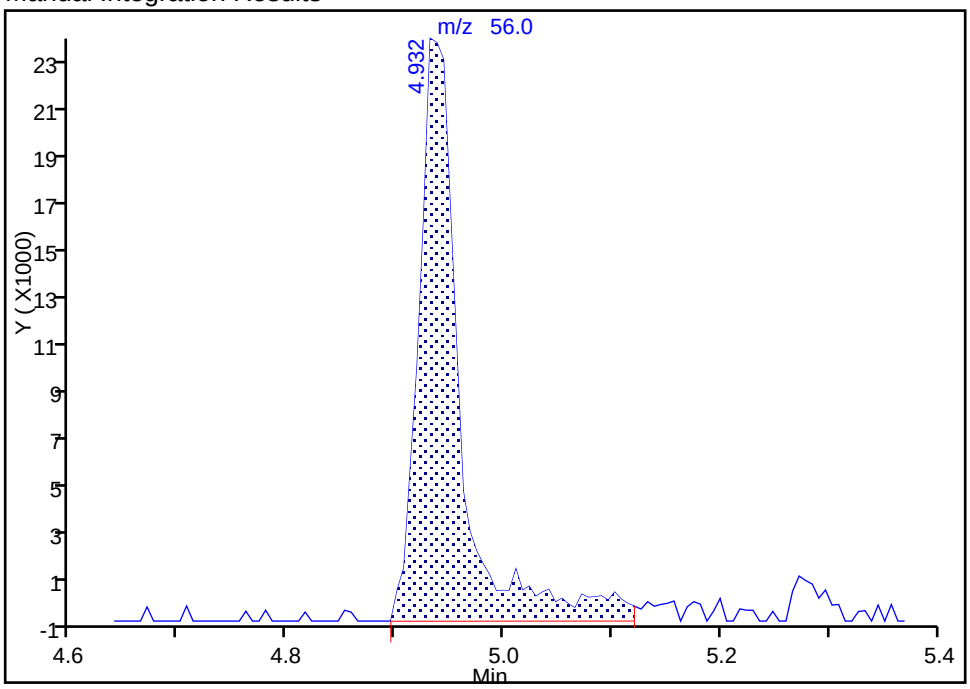
Processing Integration Results

RT: 4.93
Area: 54934
Amount: 4.842802
Amount Units: ug/L



Manual Integration Results

RT: 4.93
Area: 62372
Amount: 5.374924
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 12:11:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

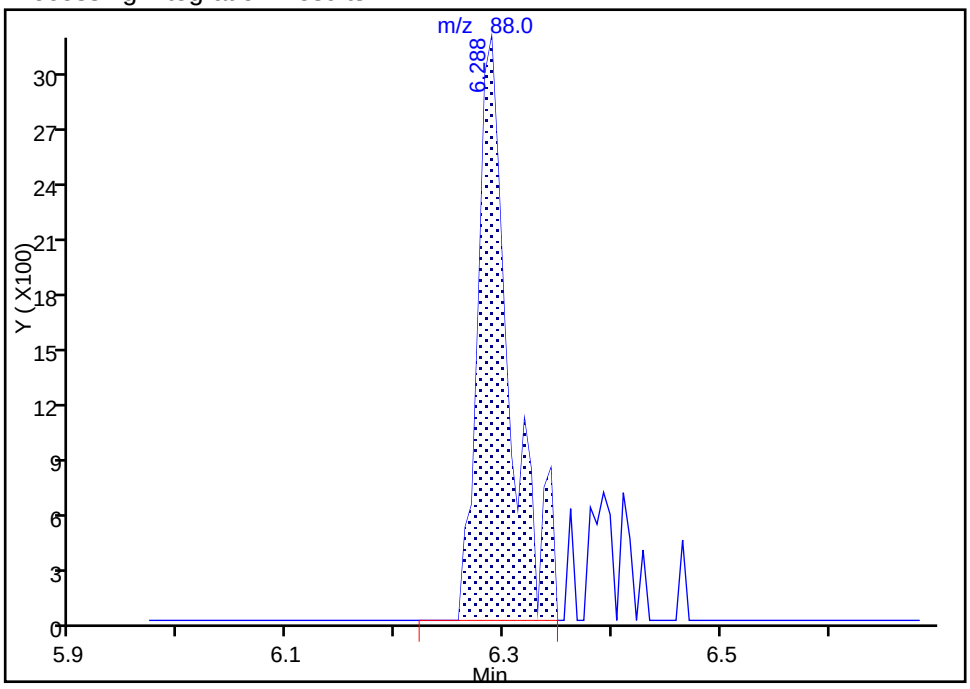
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3872.D
Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

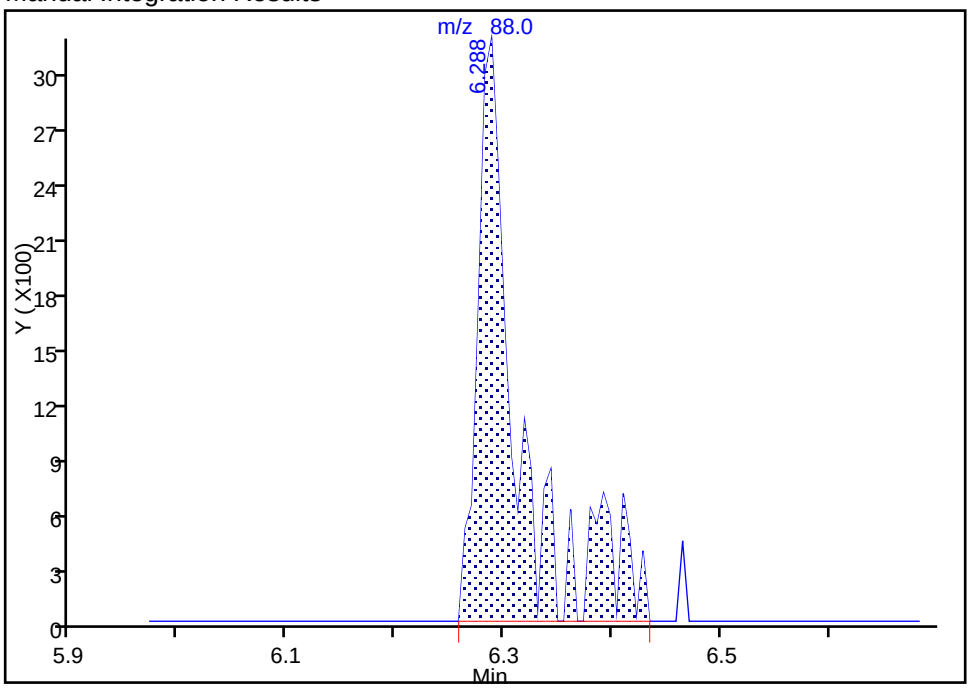
Processing Integration Results

RT: 6.29
Area: 6513
Amount: 86.328433
Amount Units: ug/L



Manual Integration Results

RT: 6.29
Area: 8159
Amount: 98.442145
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 12:07:01
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3873.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Nov-2017 21:15:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0067029-012
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:52 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 11:34:51

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	5.552	5.552	0.000	98	137705	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.551	8.552	-0.001	85	279083	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	86	276852	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	82	173448	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.272	5.272	0.000	0	112493	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	92	698243	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	236278	25.0	25.1	
10 Dichlorodifluoromethane	85	1.306	1.306	0.000	96	52532	10.0	9.58	
12 Chloromethane	50	1.482	1.482	0.000	88	82413	10.0	9.40	
13 Vinyl chloride	62	1.580	1.580	0.000	89	68514	10.0	9.21	
151 Butadiene	54	1.598	1.598	0.000	62	74073	10.0	10.2	
14 Bromomethane	94	1.908	1.890	0.018	84	44819	10.0	9.74	
15 Chloroethane	64	1.999	2.012	-0.013	90	45187	10.0	9.95	
16 Dichlorofluoromethane	67	2.225	2.231	-0.006	92	104848	10.0	10.2	
17 Trichlorofluoromethane	101	2.231	2.225	0.006	90	75376	10.0	8.62	M
18 Ethyl ether	59	2.535	2.535	0.000	89	66928	10.0	9.81	
20 Acrolein	56	2.711	2.711	0.000	92	68283	50.0	44.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.742	2.748	-0.006	79	48959	10.0	9.97	M
22 1,1-Dichloroethene	96	2.760	2.760	0.000	90	59278	10.0	9.23	
23 Acetone	43	2.876	2.876	0.000	97	117039	50.0	41.7	M
25 Iodomethane	142	2.924	2.930	-0.006	97	87780	10.0	8.68	
26 Carbon disulfide	76	2.961	2.961	0.000	99	192501	10.0	10.1	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	86	119674	10.0	9.36	
27 Methyl acetate	43	3.180	3.186	-0.006	98	129878	20.0	17.8	
30 Methylene Chloride	84	3.283	3.283	0.000	95	67297	10.0	9.57	
31 2-Methyl-2-propanol	59	3.441	3.447	-0.006	97	88097	100.0	86.0	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	89	205473	10.0	9.61	
34 trans-1,2-Dichloroethene	96	3.508	3.508	0.000	85	64035	10.0	9.66	
33 Acrylonitrile	53	3.557	3.557	0.000	98	317979	100.0	93.6	
35 Hexane	57	3.715	3.715	0.000	92	113958	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
39 1,1-Dichloroethane	63	3.934	3.934	0.000	97	123444	10.0	10.1	
37 Vinyl acetate	43	3.989	3.989	0.000	97	338623	20.0	19.4	
44 2,2-Dichloropropane	77	4.463	4.457	0.006	92	85362	10.0	10.2	
45 cis-1,2-Dichloroethene	96	4.494	4.488	0.006	81	75145	10.0	10.0	
43 2-Butanone (MEK)	43	4.530	4.530	0.000	93	201072	50.0	45.9	
48 Chlorobromomethane	128	4.731	4.725	0.006	89	34918	10.0	9.46	
49 Tetrahydrofuran	42	4.761	4.768	-0.007	89	54362	20.0	17.3	
50 Chloroform	83	4.804	4.798	0.006	86	110586	10.0	9.81	
51 1,1,1-Trichloroethane	97	4.926	4.926	0.000	96	97123	10.0	10.3	
52 Cyclohexane	56	4.938	4.932	0.006	93	129833	10.0	11.1	M
55 Carbon tetrachloride	117	5.066	5.066	0.000	86	87974	10.0	10.1	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	89	89702	10.0	10.2	
57 Benzene	78	5.279	5.279	0.000	92	265455	10.0	9.92	
53 Isobutyl alcohol	43	5.279	5.285	-0.006	57	114545	250.0	219.8	
58 1,2-Dichloroethane	62	5.345	5.345	0.000	70	98294	10.0	9.42	
59 n-Heptane	43	5.467	5.473	-0.006	96	126661	10.0	10.4	
62 Trichloroethene	95	5.893	5.893	0.000	95	69630	10.0	10.3	
64 Methylcyclohexane	83	6.021	6.021	0.000	95	108221	10.0	10.4	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	89	69736	10.0	9.44	
67 Dibromomethane	93	6.264	6.270	-0.006	82	41982	10.0	9.86	
66 1,4-Dioxane	88	6.282	6.288	-0.006	39	18653	200.0	196.1	M
68 Dichlorobromomethane	83	6.416	6.422	-0.006	88	84039	10.0	9.59	
69 2-Chloroethyl vinyl ether	63	6.702	6.702	0.000	88	49321	10.0	9.25	
72 cis-1,3-Dichloropropene	75	6.836	6.842	-0.006	83	105858	10.0	9.85	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	98	452888	50.0	48.1	
74 Toluene	92	7.128	7.134	-0.006	93	173579	10.0	9.97	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	97	94611	10.0	9.43	
75 Ethyl methacrylate	69	7.450	7.450	0.000	74	95759	10.0	9.51	
79 1,1,2-Trichloroethane	83	7.590	7.596	-0.006	91	47241	10.0	9.54	
81 Tetrachloroethene	166	7.669	7.669	0.000	88	79738	10.0	10.3	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	95	107083	10.0	9.78	
80 2-Hexanone	43	7.821	7.822	-0.001	95	325072	50.0	48.6	
83 Chlorodibromomethane	129	7.992	7.992	0.000	89	62788	10.0	9.39	
84 Ethylene Dibromide	107	8.101	8.101	0.000	94	61091	10.0	9.55	
87 Chlorobenzene	112	8.582	8.582	0.000	94	193490	10.0	9.86	
88 Ethylbenzene	91	8.673	8.673	0.000	36	321362	10.0	9.74	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.679	-0.006	45	67542	10.0	9.58	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	126071	10.0	10.0	
91 o-Xylene	106	9.221	9.221	0.000	98	122830	10.0	9.95	
92 Styrene	104	9.251	9.251	0.000	92	200002	10.0	9.63	
95 Bromoform	173	9.494	9.488	0.006	92	43681	10.0	10.2	
94 Isopropylbenzene	105	9.604	9.604	0.000	96	321778	10.0	10.2	
101 Bromobenzene	156	9.945	9.945	0.000	94	81563	10.0	9.70	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	86	76828	10.0	9.47	
99 N-Propylbenzene	91	10.024	10.024	0.000	97	375062	10.0	10.1	
100 1,2,3-Trichloropropane	110	10.024	10.018	0.006	42	26222	10.0	9.43	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.042	-0.006	37	22048	10.0	10.5	
103 2-Chlorotoluene	126	10.127	10.127	0.000	96	76972	10.0	9.62	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	86	276002	10.0	10.2	
105 4-Chlorotoluene	126	10.237	10.237	0.000	98	81765	10.0	10.2	
106 tert-Butylbenzene	134	10.516	10.517	-0.001	91	63916	10.0	10.0	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	31	279590	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.723	10.723	0.000	93	342424	10.0	10.2	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	77	157497	10.0	9.82	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	97	309302	10.0	10.3	
113 1,4-Dichlorobenzene	146	10.942	10.942	0.000	81	160290	10.0	9.71	
115 n-Butylbenzene	91	11.247	11.247	-0.001	94	270141	10.0	10.3	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	92	155571	10.0	10.2	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	71	17495	10.0	9.38	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	90	112224	10.0	10.2	
120 Hexachlorobutadiene	225	12.810	12.804	0.006	90	55203	10.0	10.5	
121 Naphthalene	128	12.907	12.907	0.000	96	276327	10.0	9.64	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	94	104944	10.0	9.91	
S 123 Total BTEX	1				0			49.6	
S 124 Xylenes, Total	1				0			19.9	
S 125 1,2-Dichloroethene, Total	1				0			19.7	
S 126 1,3-Dichloropropene, Total	1				0			19.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	5.00	Units: uL	
GAS CORP mix_00249	Amount Added:	5.00	Units: uL	
S_8260_IS_00271	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added:	1.00	Units: uL	Run Reagent

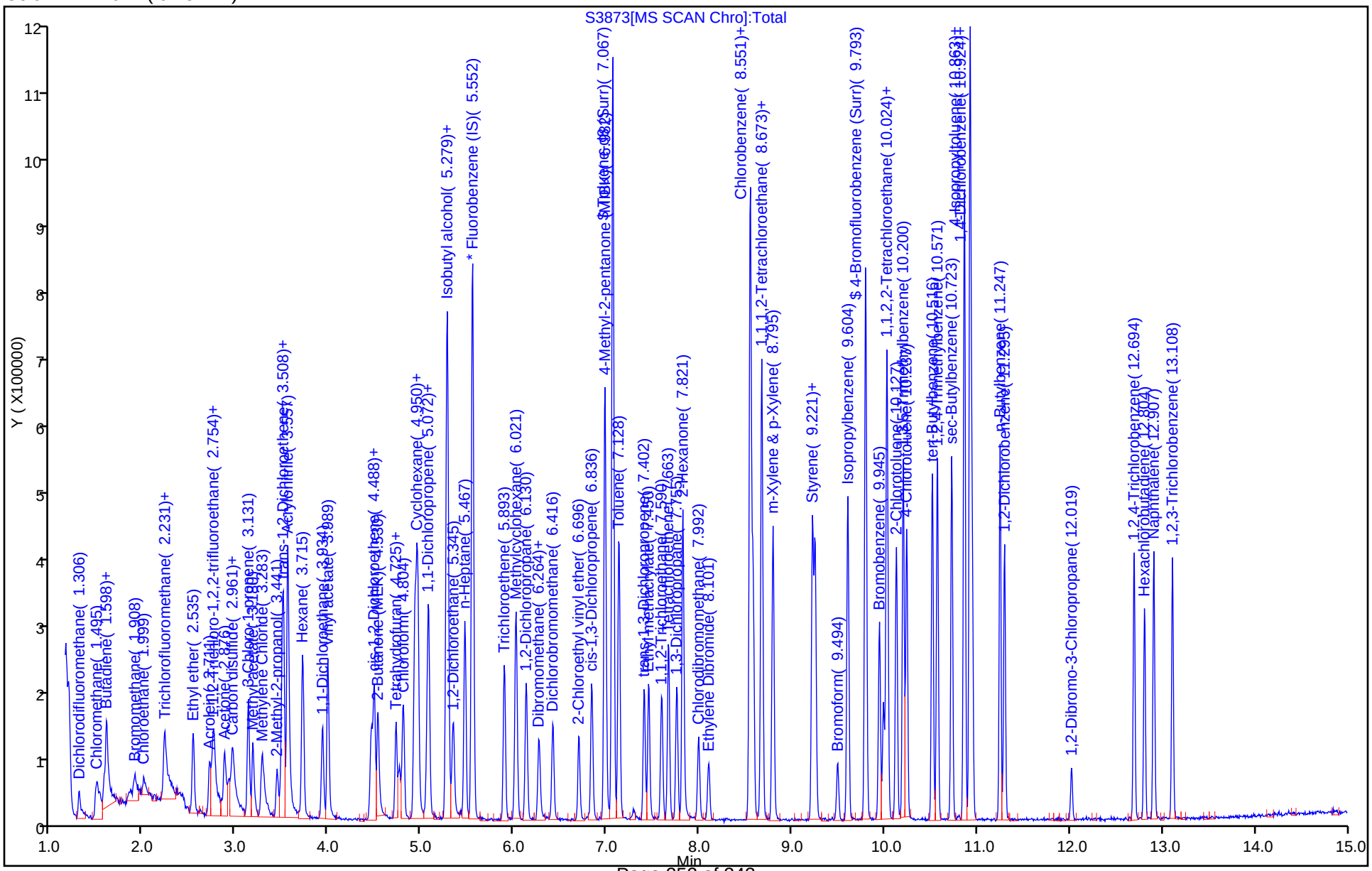
Report Date: 06-Nov-2017 14:29:52 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3873.D

Injection Date:	05-Nov-2017 21:15:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC 4			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

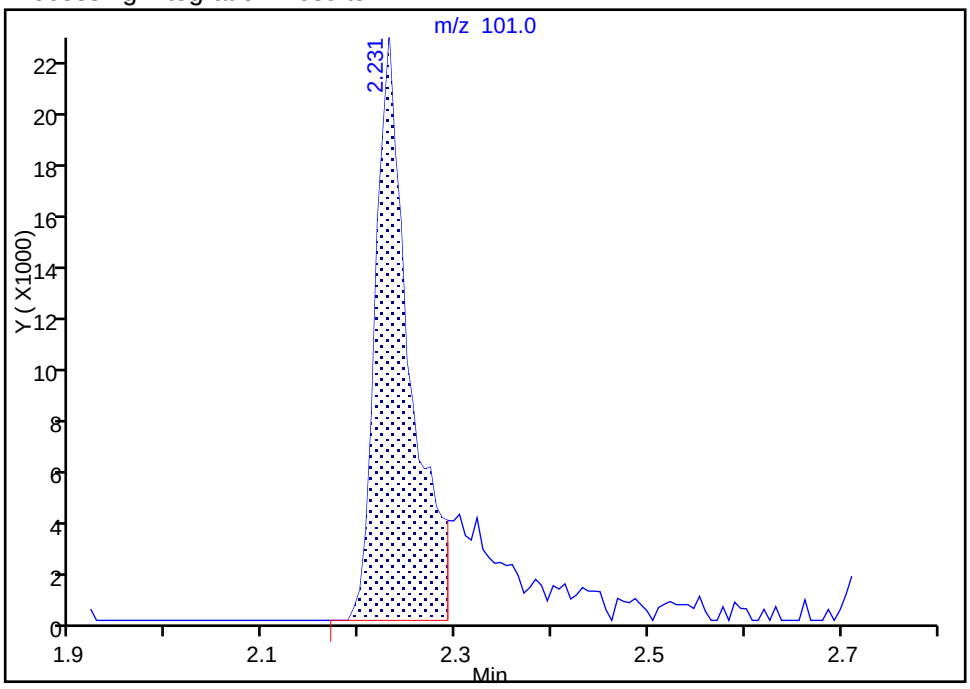
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3873.D
Injection Date: 05-Nov-2017 21:15:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: AS/AM ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

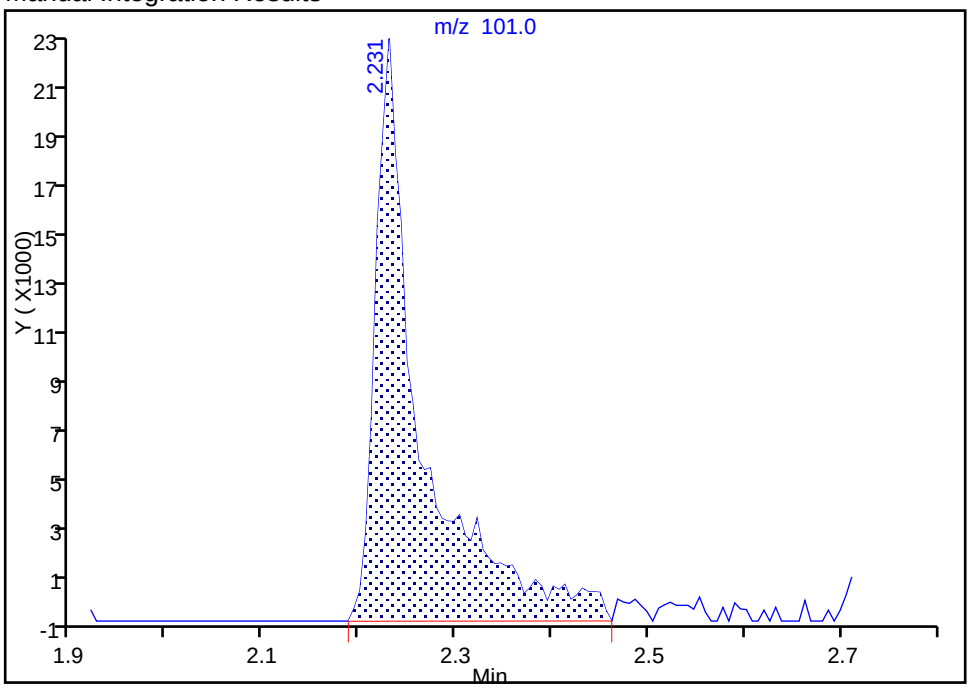
Processing Integration Results

RT: 2.23
Area: 56517
Amount: 8.140217
Amount Units: ug/L



Manual Integration Results

RT: 2.23
Area: 75376
Amount: 8.623651
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:34:45
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

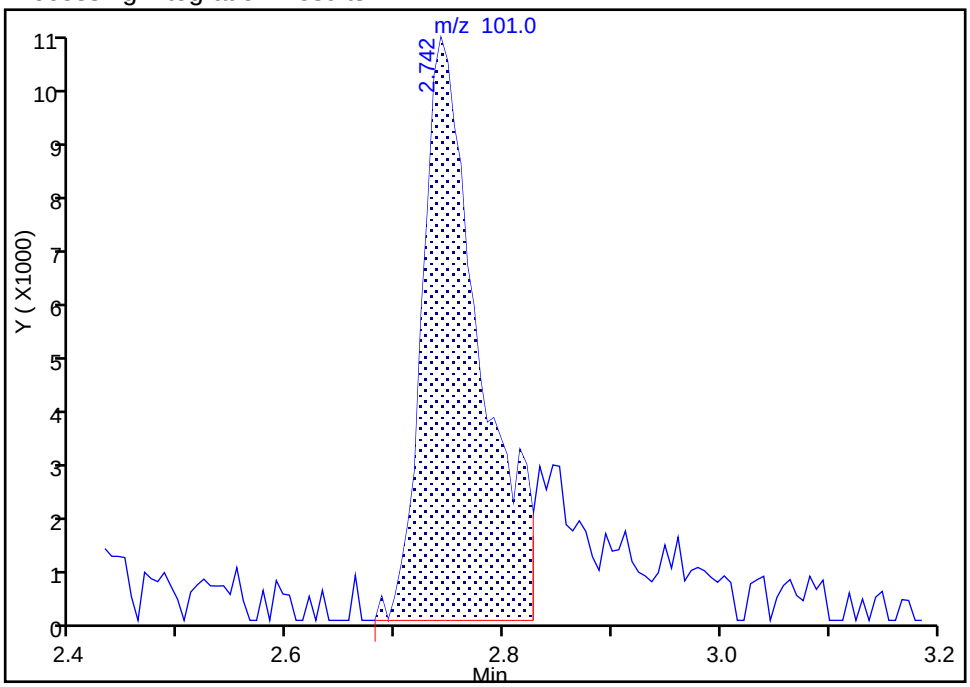
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3873.D
Injection Date: 05-Nov-2017 21:15:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: AS/AM ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

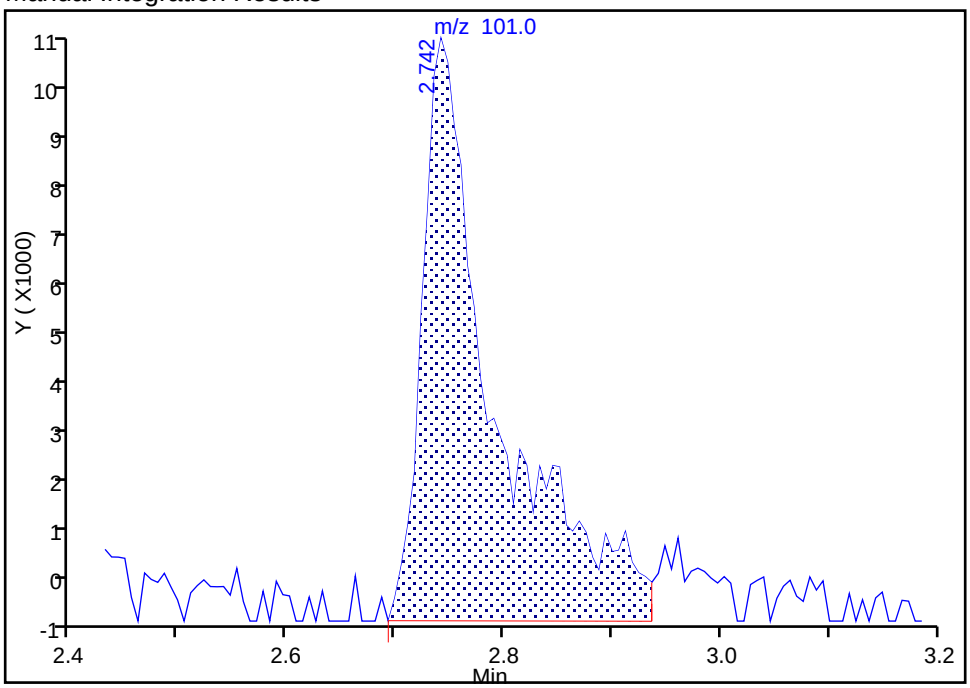
Processing Integration Results

RT: 2.74
Area: 38746
Amount: 9.342061
Amount Units: ug/L



Manual Integration Results

RT: 2.74
Area: 48959
Amount: 9.970335
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:38:52
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

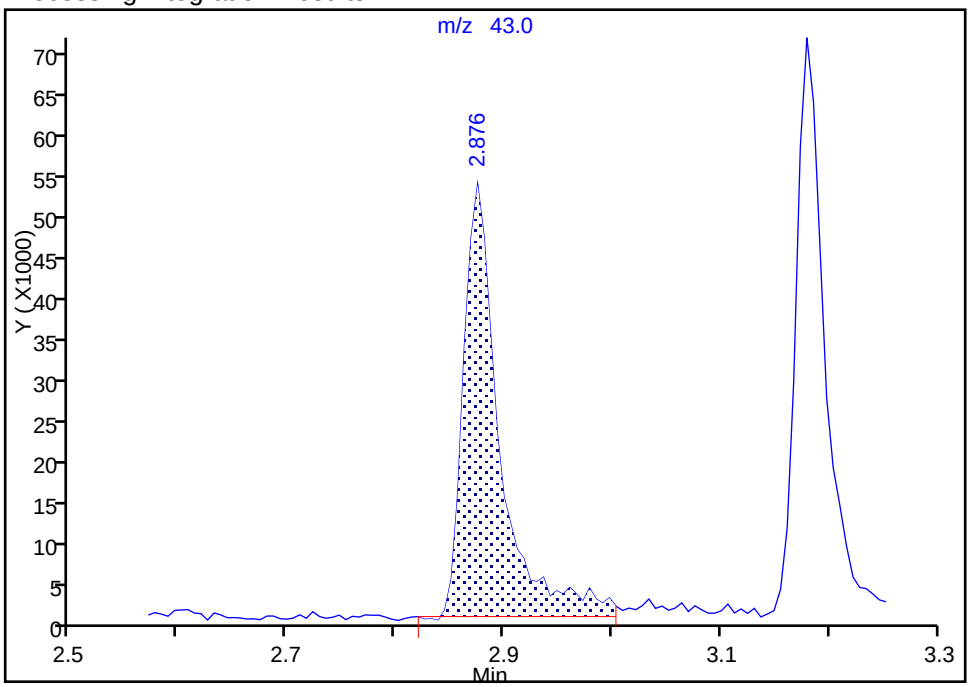
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3873.D
Injection Date: 05-Nov-2017 21:15:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: AS/AM ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

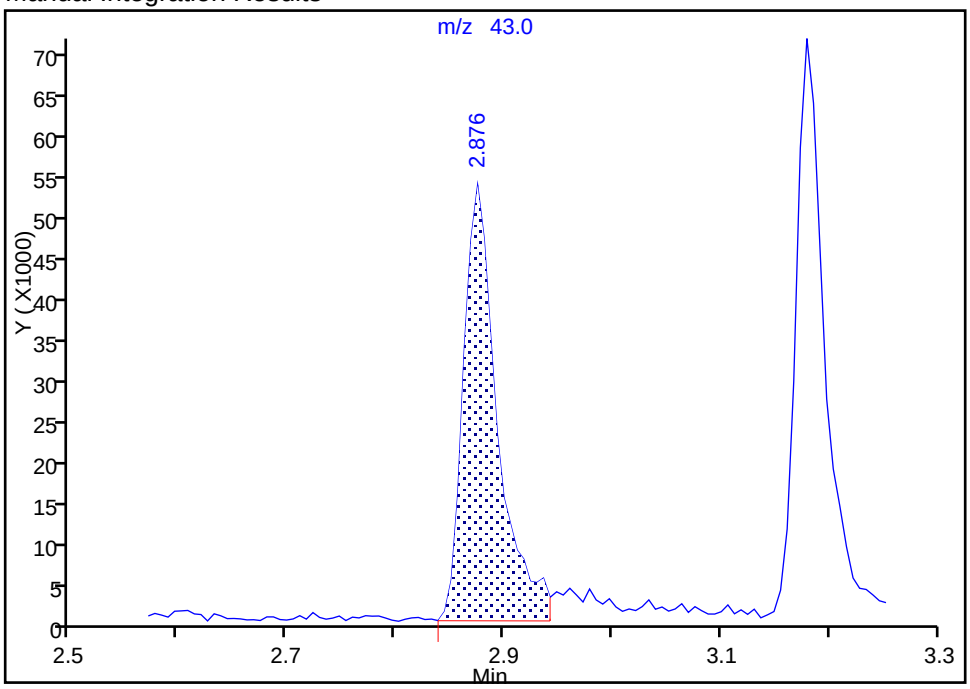
Processing Integration Results

RT: 2.88
Area: 123259
Amount: 40.847536
Amount Units: ug/L



Manual Integration Results

RT: 2.88
Area: 117039
Amount: 41.662967
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:57:54
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

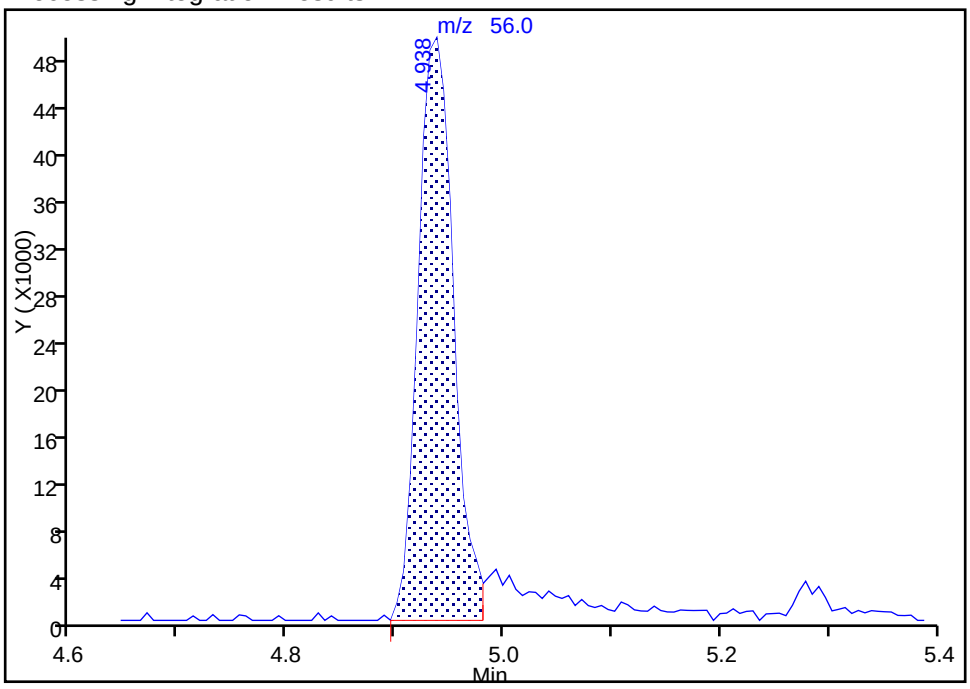
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3873.D
Injection Date: 05-Nov-2017 21:15:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: AS/AM ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

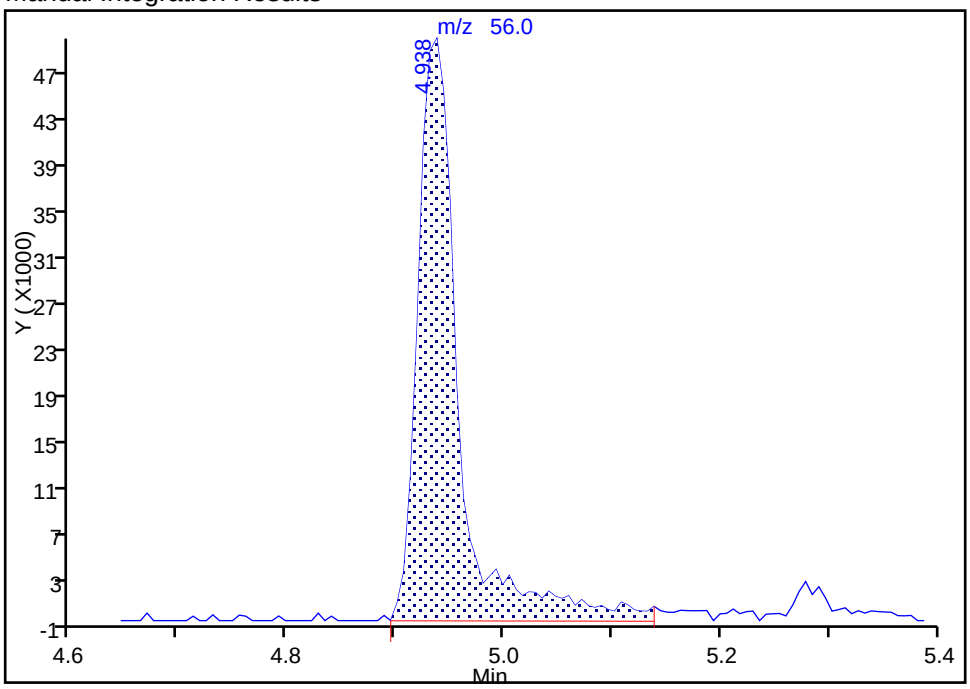
Processing Integration Results

RT: 4.94
Area: 111325
Amount: 9.921994
Amount Units: ug/L



Manual Integration Results

RT: 4.94
Area: 129833
Amount: 11.082933
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 12:10:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

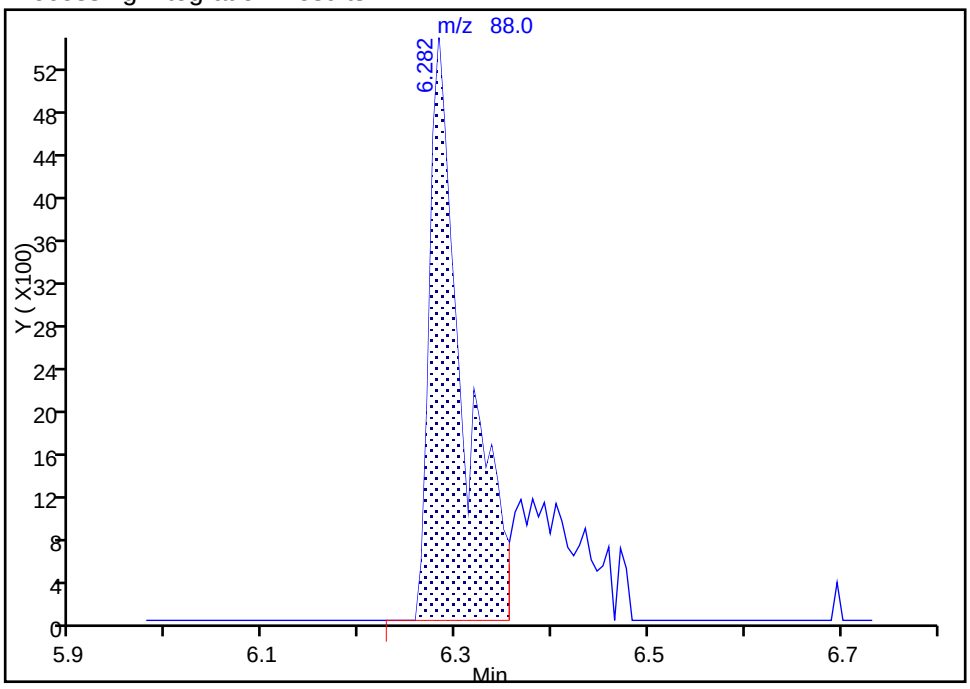
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3873.D
Injection Date: 05-Nov-2017 21:15:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: AS/AM ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

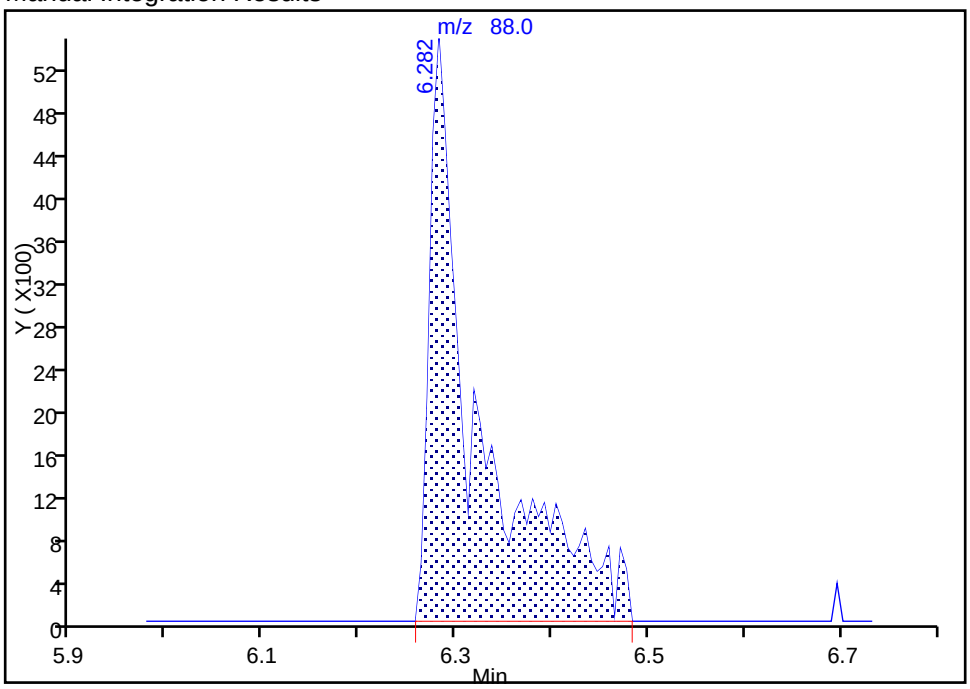
Processing Integration Results

RT: 6.28
Area: 13100
Amount: 153.3398
Amount Units: ug/L



Manual Integration Results

RT: 6.28
Area: 18653
Amount: 196.0865
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 12:06:11
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3874.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 05-Nov-2017 21:38:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0067029-013
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:54 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: HillL Date: 06-Nov-2017 09:44:07

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	5.552	5.552	0.000	98	138518	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	85	276575	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	52	281565	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	81	172003	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.273	5.273	0.000	0	115116	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	91	702037	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	233945	25.0	25.1	
10 Dichlorodifluoromethane	85	1.300	1.300	0.000	97	146858	25.0	25.3	
12 Chloromethane	50	1.489	1.489	0.000	99	229477	25.0	26.0	
13 Vinyl chloride	62	1.580	1.580	0.000	85	187633	25.0	24.0	
151 Butadiene	54	1.604	1.604	0.000	87	197650	25.0	27.0	
14 Bromomethane	94	1.908	1.908	0.000	90	120121	25.0	26.0	
15 Chloroethane	64	2.006	2.006	0.000	96	123601	25.0	27.1	
17 Trichlorofluoromethane	101	2.231	2.231	0.000	89	231649	25.0	24.7	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	95	268545	25.0	26.0	
18 Ethyl ether	59	2.535	2.535	0.000	95	183362	25.0	26.7	
20 Acrolein	56	2.711	2.711	0.000	90	181196	125.0	116.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.742	2.742	0.000	90	132138	25.0	25.9	
22 1,1-Dichloroethene	96	2.760	2.760	0.000	91	159247	25.0	24.1	
23 Acetone	43	2.876	2.876	0.000	99	327006	125.0	115.7	
25 Iodomethane	142	2.924	2.924	0.000	96	254617	25.0	23.6	
26 Carbon disulfide	76	2.967	2.967	0.000	99	529901	25.0	27.6	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	85	336655	25.0	26.2	
27 Methyl acetate	43	3.180	3.180	0.000	97	362296	50.0	49.3	
30 Methylene Chloride	84	3.283	3.283	0.000	97	178343	25.0	25.2	
31 2-Methyl-2-propanol	59	3.441	3.441	0.000	97	257578	250.0	249.9	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	90	560429	25.0	26.1	
34 trans-1,2-Dichloroethene	96	3.514	3.514	0.000	95	180848	25.0	27.1	
33 Acrylonitrile	53	3.557	3.557	0.000	98	904882	250.0	264.9	
35 Hexane	57	3.721	3.721	0.000	94	298093	25.0	27.6	

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	3.934	3.934	0.000	96	337554	25.0	27.6	
37 Vinyl acetate	43	3.989	3.989	0.000	97	973456	50.0	55.6	
44 2,2-Dichloropropane	77	4.457	4.457	0.000	92	231223	25.0	27.3	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	84	200480	25.0	26.6	
43 2-Butanone (MEK)	43	4.524	4.524	0.000	93	563214	125.0	127.7	
48 Chlorobromomethane	128	4.725	4.725	0.000	89	94028	25.0	25.3	
49 Tetrahydrofuran	42	4.755	4.755	0.000	89	151808	50.0	48.0	
50 Chloroform	83	4.804	4.804	0.000	95	302324	25.0	26.7	
51 1,1,1-Trichloroethane	97	4.926	4.926	0.000	96	261957	25.0	27.7	
52 Cyclohexane	56	4.938	4.938	0.000	94	324748	25.0	27.6	
55 Carbon tetrachloride	117	5.066	5.066	0.000	91	241807	25.0	27.7	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	91	248036	25.0	28.0	
57 Benzene	78	5.279	5.279	0.000	96	718070	25.0	26.7	
53 Isobutyl alcohol	43	5.279	5.279	0.000	60	340464	625.0	649.5	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	85	266801	25.0	25.4	
59 n-Heptane	43	5.467	5.467	0.000	97	343874	25.0	28.2	
62 Trichloroethene	95	5.893	5.893	0.000	96	187994	25.0	27.8	
64 Methylcyclohexane	83	6.021	6.021	0.000	94	297920	25.0	28.5	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	91	196891	25.0	26.5	
67 Dibromomethane	93	6.264	6.264	0.000	90	112991	25.0	26.4	
66 1,4-Dioxane	88	6.282	6.282	0.000	47	48985	500.0	486.9	
68 Dichlorobromomethane	83	6.416	6.416	0.000	98	234645	25.0	26.6	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	92	145191	25.0	27.1	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	87	288980	25.0	26.7	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	98	1225859	125.0	131.3	
74 Toluene	92	7.134	7.134	0.000	94	473313	25.0	27.4	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	98	280459	25.0	28.2	
75 Ethyl methacrylate	69	7.450	7.450	0.000	74	262107	25.0	26.3	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	95	131257	25.0	26.7	
81 Tetrachloroethene	166	7.669	7.669	0.000	93	212329	25.0	27.7	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	96	287436	25.0	26.5	
80 2-Hexanone	43	7.822	7.822	0.000	95	879018	125.0	132.6	
83 Chlorodibromomethane	129	7.992	7.992	0.000	87	185955	25.0	28.1	
84 Ethylene Dibromide	107	8.101	8.101	0.000	98	169682	25.0	26.8	
87 Chlorobenzene	112	8.582	8.582	0.000	93	535831	25.0	27.6	
88 Ethylbenzene	91	8.673	8.673	0.000	36	881074	25.0	26.9	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	45	196148	25.0	28.1	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	344945	25.0	27.6	
91 o-Xylene	106	9.221	9.221	0.000	98	336287	25.0	27.5	
92 Styrene	104	9.251	9.251	0.000	94	581132	25.0	28.2	
95 Bromoform	173	9.495	9.495	0.000	95	128152	25.0	30.2	
94 Isopropylbenzene	105	9.604	9.604	0.000	96	876253	25.0	27.2	
101 Bromobenzene	156	9.945	9.945	0.000	94	227750	25.0	26.6	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	87	217976	25.0	26.4	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	50	70831	25.0	25.1	
99 N-Propylbenzene	91	10.024	10.024	0.000	98	1049652	25.0	27.8	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	37	67321	25.0	31.5	
103 2-Chlorotoluene	126	10.127	10.127	0.000	96	212909	25.0	26.2	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	86	737120	25.0	26.9	
105 4-Chlorotoluene	126	10.237	10.237	0.000	97	227749	25.0	27.8	
106 tert-Butylbenzene	134	10.517	10.517	0.000	91	180613	25.0	27.9	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	32	774765	25.0	27.4	

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	10.723	10.723	0.000	94	940967	25.0	27.6	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	77	438315	25.0	26.9	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	96	839452	25.0	27.5	
113 1,4-Dichlorobenzene	146	10.942	10.942	0.000	93	450639	25.0	26.8	
115 n-Butylbenzene	91	11.247	11.247	0.000	95	739196	25.0	27.7	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	91	417359	25.0	26.8	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	77	46747	25.0	24.6	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	95	304196	25.0	27.3	
120 Hexachlorobutadiene	225	12.804	12.804	0.000	97	143490	25.0	27.0	
121 Naphthalene	128	12.907	12.907	0.000	97	796009	25.0	27.3	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	97	287522	25.0	26.7	

Reagents:

8260 CORP mix_00114	Amount Added: 12.50	Units: uL	
GAS CORP mix_00249	Amount Added: 12.50	Units: uL	
S_8260_IS_00271	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added: 1.00	Units: uL	Run Reagent

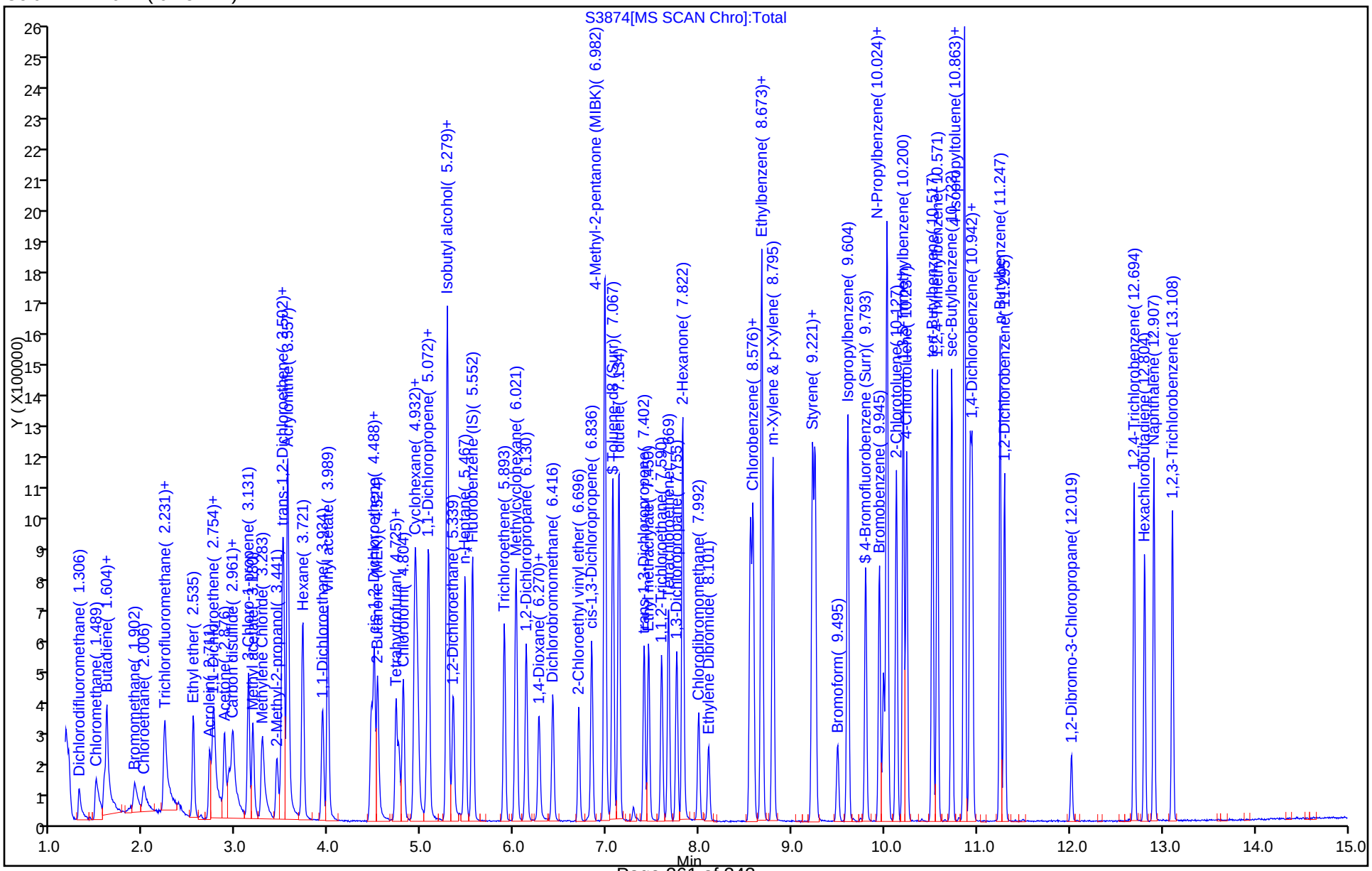
Report Date: 06-Nov-2017 14:29:55 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3874.D

Injection Date:	05-Nov-2017 21:38:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	ICIS 5			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3875.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 05-Nov-2017 22:01:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0067029-014
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:57 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 11:38:08

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	5.546	5.552	-0.006	97	135606	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	87	276861	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	46	272523	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.962	4.956	0.006	81	176903	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.273	-0.007	0	114019	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	92	701757	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.793	0.006	92	235609	25.0	25.2	
10 Dichlorodifluoromethane	85	1.300	1.300	0.000	98	299643	50.0	51.9	
12 Chloromethane	50	1.489	1.489	0.000	100	476764	50.0	55.2	
13 Vinyl chloride	62	1.574	1.580	-0.006	95	394780	50.0	50.9	
151 Butadiene	54	1.604	1.604	0.000	67	414255	50.0	57.7	
14 Bromomethane	94	1.902	1.908	-0.006	92	235081	50.0	51.9	
15 Chloroethane	64	2.000	2.006	-0.006	100	262174	50.0	58.6	
17 Trichlorofluoromethane	101	2.231	2.231	0.000	91	488928	50.0	52.5	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	96	525639	50.0	51.9	
18 Ethyl ether	59	2.535	2.535	0.000	94	376576	50.0	56.1	
20 Acrolein	56	2.711	2.711	0.000	98	386387	250.0	253.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.742	2.742	0.000	82	262635	50.0	52.0	M
22 1,1-Dichloroethene	96	2.760	2.760	0.000	92	336677	50.0	51.7	
23 Acetone	43	2.870	2.876	-0.006	98	680303	250.0	245.9	
25 Iodomethane	142	2.924	2.924	0.000	97	528194	50.0	49.2	
26 Carbon disulfide	76	2.961	2.967	-0.006	99	1100237	50.0	58.4	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	87	711310	50.0	56.5	
27 Methyl acetate	43	3.180	3.180	0.000	96	760545	100.0	105.6	
30 Methylene Chloride	84	3.277	3.283	-0.006	98	369025	50.0	53.3	
31 2-Methyl-2-propanol	59	3.441	3.441	0.000	98	517037	500.0	512.3	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	89	1171363	50.0	55.6	
34 trans-1,2-Dichloroethene	96	3.508	3.514	-0.006	81	365445	50.0	56.0	
33 Acrylonitrile	53	3.551	3.557	-0.006	97	1870795	500.0	559.5	
35 Hexane	57	3.721	3.721	0.000	94	611241	50.0	57.8	

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	3.928	3.934	-0.006	97	700023	50.0	58.4	
37 Vinyl acetate	43	3.983	3.989	-0.006	97	1969400	100.0	114.8	
44 2,2-Dichloropropane	77	4.457	4.457	0.000	94	465252	50.0	56.2	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	84	407401	50.0	55.2	
43 2-Butanone (MEK)	43	4.524	4.524	0.000	93	1190075	250.0	275.6	
48 Chlorobromomethane	128	4.725	4.725	0.000	96	201275	50.0	55.3	
49 Tetrahydrofuran	42	4.749	4.755	-0.006	90	312213	100.0	100.8	
50 Chloroform	83	4.804	4.804	0.000	85	619818	50.0	55.8	
51 1,1,1-Trichloroethane	97	4.926	4.926	0.000	95	536329	50.0	58.0	
52 Cyclohexane	56	4.938	4.938	0.000	94	704440	50.0	61.1	
55 Carbon tetrachloride	117	5.066	5.066	0.000	91	496539	50.0	58.1	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	91	507964	50.0	58.6	
57 Benzene	78	5.279	5.279	0.000	97	1479370	50.0	56.1	
53 Isobutyl alcohol	43	5.279	5.279	0.000	60	669295	1250.0	1304.3	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	78	553503	50.0	53.9	
59 n-Heptane	43	5.467	5.467	0.000	97	694815	50.0	58.1	
62 Trichloroethene	95	5.893	5.893	0.000	97	390446	50.0	58.9	
64 Methylcyclohexane	83	6.021	6.021	0.000	95	633191	50.0	61.8	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	92	400301	50.0	55.0	
67 Dibromomethane	93	6.270	6.264	0.006	90	234545	50.0	55.9	
66 1,4-Dioxane	88	6.276	6.282	-0.006	41	99432	1000.0	967.0	
68 Dichlorobromomethane	83	6.416	6.416	0.000	98	502198	50.0	58.2	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	93	298900	50.0	56.9	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	88	615389	50.0	58.1	
73 4-Methyl-2-pentanone (MIBK	43	6.976	6.982	-0.006	98	2487204	250.0	266.2	
74 Toluene	92	7.128	7.134	-0.006	97	985030	50.0	57.0	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	98	587363	50.0	59.0	
75 Ethyl methacrylate	69	7.450	7.450	0.000	74	547632	50.0	54.8	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	94	270206	50.0	55.0	
81 Tetrachloroethene	166	7.669	7.669	0.000	92	435168	50.0	56.7	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	97	594381	50.0	54.7	
80 2-Hexanone	43	7.822	7.822	0.000	96	1808330	250.0	272.6	
83 Chlorodibromomethane	129	7.992	7.992	0.000	90	390423	50.0	58.9	
84 Ethylene Dibromide	107	8.095	8.101	-0.006	96	356328	50.0	56.1	
87 Chlorobenzene	112	8.582	8.582	0.000	94	1088618	50.0	55.9	
88 Ethylbenzene	91	8.673	8.673	0.000	47	1829567	50.0	55.9	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	45	398041	50.0	56.9	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	709599	50.0	56.7	
91 o-Xylene	106	9.221	9.221	0.000	97	698349	50.0	57.0	
92 Styrene	104	9.251	9.251	0.000	93	1201522	50.0	58.3	
95 Bromoform	173	9.488	9.495	-0.007	97	264962	50.0	62.4	
94 Isopropylbenzene	105	9.604	9.604	0.000	96	1785799	50.0	57.4	
101 Bromobenzene	156	9.945	9.945	0.000	94	471676	50.0	57.0	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	87	443665	50.0	55.6	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	51	150919	50.0	55.2	
99 N-Propylbenzene	91	10.024	10.024	0.000	96	2098021	50.0	57.4	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	38	148983	50.0	72.1	
103 2-Chlorotoluene	126	10.127	10.127	0.000	96	442358	50.0	56.1	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	85	1519079	50.0	57.3	
105 4-Chlorotoluene	126	10.237	10.237	0.000	97	457784	50.0	57.8	
106 tert-Butylbenzene	134	10.517	10.517	0.000	91	359593	50.0	57.4	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	33	1549776	50.0	56.6	

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	10.723	10.723	0.000	95	1889275	50.0	57.2	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	79	898981	50.0	57.0	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	96	1710717	50.0	58.0	
113 1,4-Dichlorobenzene	146	10.942	10.942	0.000	92	913912	50.0	56.2	
115 n-Butylbenzene	91	11.247	11.247	0.000	95	1488169	50.0	57.6	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	93	865936	50.0	57.4	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.019	-0.006	79	100893	50.0	54.9	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	92	635229	50.0	58.8	
120 Hexachlorobutadiene	225	12.804	12.804	0.000	97	303829	50.0	59.0	
121 Naphthalene	128	12.907	12.907	0.000	97	1669976	50.0	59.2	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	97	608393	50.0	58.4	
S 123 Total BTEX	1				0			282.8	
S 124 Xylenes, Total	1				0			113.7	
S 125 1,2-Dichloroethene, Total	1				0			111.2	
S 126 1,3-Dichloropropene, Total	1				0			117.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	25.00	Units: uL	
GAS CORP mix_00249	Amount Added:	25.00	Units: uL	
S_8260_IS_00271	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added:	1.00	Units: uL	Run Reagent

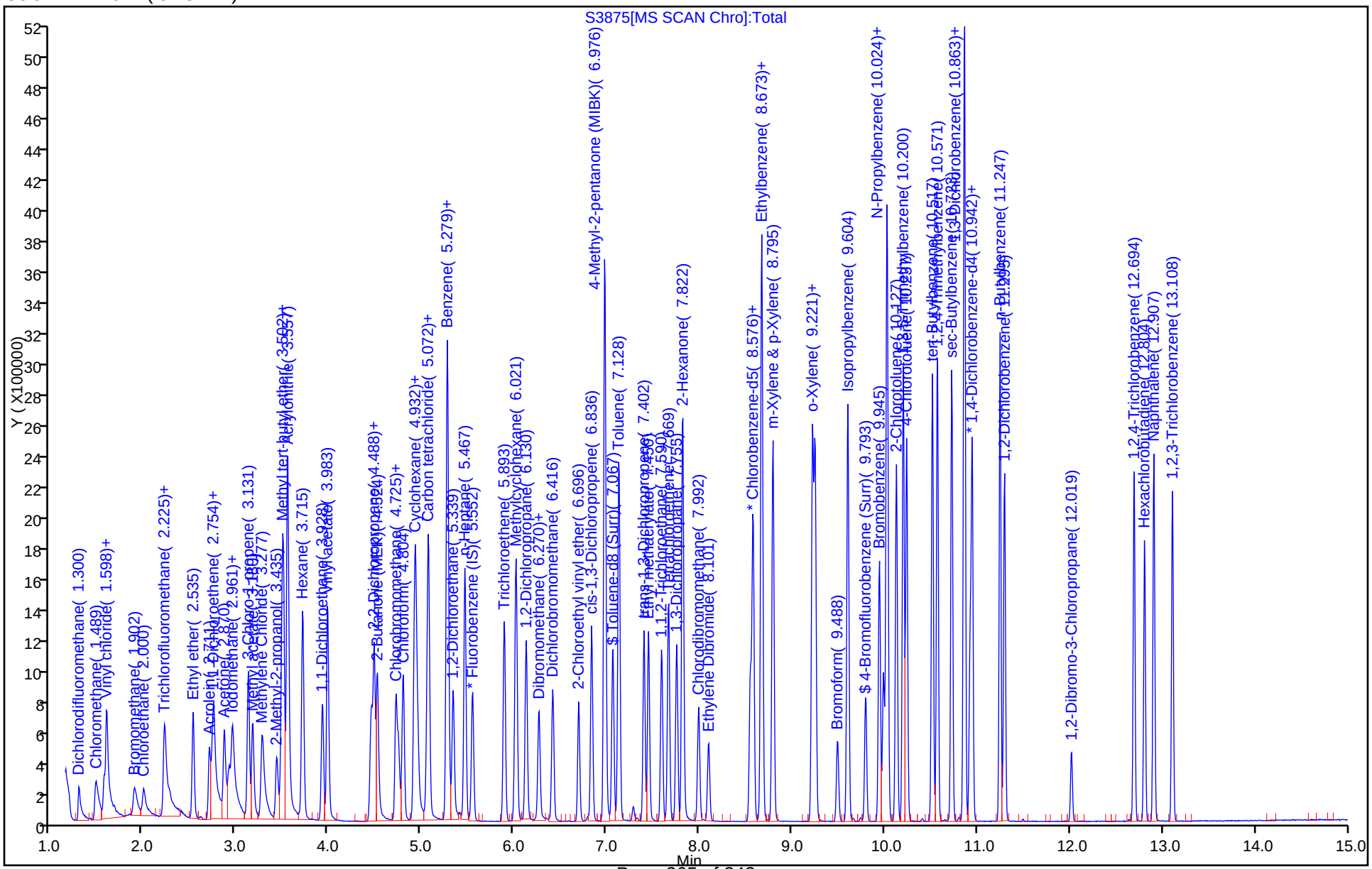
Report Date: 06-Nov-2017 14:29:58 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3875.D

Injection Date:	05-Nov-2017 22:01:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC 6			Worklist Smp#:	14
Client ID:					
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

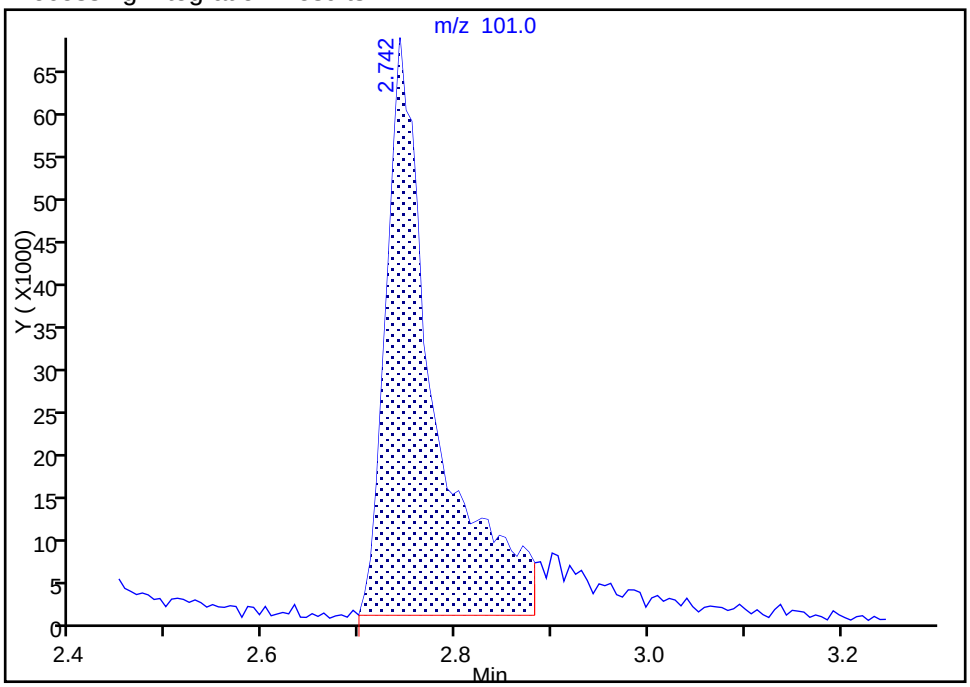
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3875.D
Injection Date: 05-Nov-2017 22:01:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: AS/AM ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

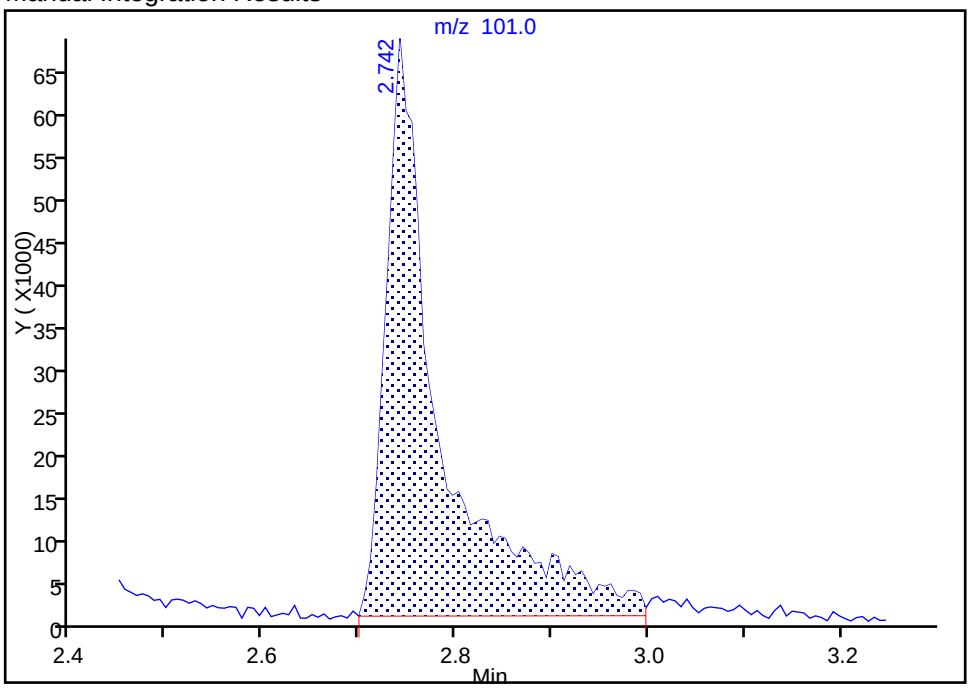
Processing Integration Results

RT: 2.74
Area: 235219
Amount: 58.717720
Amount Units: ug/L



Manual Integration Results

RT: 2.74
Area: 262635
Amount: 52.012857
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:38:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3876.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 05-Nov-2017 22:24:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0067029-015
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:59 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 12:15:54

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	5.552	5.552	0.000	93	147227	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	86	290473	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	20	280417	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	49	179322	25.0	24.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.273	-0.006	0	117022	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	92	722187	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	84	239858	25.0	24.5	
10 Dichlorodifluoromethane	85	1.300	1.300	0.000	98	621226	100.0	98.3	
12 Chloromethane	50	1.489	1.489	0.000	100	1008385	100.0	107.6	
13 Vinyl chloride	62	1.574	1.580	-0.006	94	857344	100.0	101.1	
151 Butadiene	54	1.604	1.604	0.000	66	845247	100.0	108.5	
14 Bromomethane	94	1.908	1.908	0.000	90	525610	100.0	106.9	
15 Chloroethane	64	2.006	2.006	0.000	99	551086	100.0	113.5	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	96	1160180	100.0	105.5	
17 Trichlorofluoromethane	101	2.231	2.231	0.000	86	1010390	100.0	99.1	
18 Ethyl ether	59	2.535	2.535	0.000	95	831551	100.0	114.0	
20 Acrolein	56	2.711	2.711	0.000	99	882841	500.0	533.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.748	2.742	0.006	67	535140	100.0	97.2	
22 1,1-Dichloroethene	96	2.760	2.760	0.000	92	709166	100.0	100.0	
23 Acetone	43	2.870	2.876	-0.006	99	1584578	500.0	527.6	
25 Iodomethane	142	2.924	2.924	0.000	98	1218612	100.0	103.8	
26 Carbon disulfide	76	2.961	2.967	-0.006	100	2348008	100.0	114.9	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	87	1555239	100.0	113.8	
27 Methyl acetate	43	3.174	3.180	-0.006	96	1729626	200.0	221.3	
30 Methylene Chloride	84	3.283	3.283	0.000	98	806927	100.0	107.4	
31 2-Methyl-2-propanol	59	3.435	3.441	-0.006	97	1255912	1000.0	1146.2	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	88	2537835	100.0	111.1	
34 trans-1,2-Dichloroethene	96	3.508	3.514	-0.006	86	789331	100.0	111.3	
33 Acrylonitrile	53	3.557	3.557	0.000	97	4162634	1000.0	1146.7	
35 Hexane	57	3.721	3.721	0.000	94	1295098	100.0	112.8	

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	3.928	3.934	-0.006	97	1519887	100.0	116.8	
37 Vinyl acetate	43	3.983	3.989	-0.006	97	4337114	200.0	232.9	
44 2,2-Dichloropropane	77	4.457	4.457	0.000	94	993515	100.0	110.5	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	85	903355	100.0	112.8	
43 2-Butanone (MEK)	43	4.518	4.524	-0.006	93	2704628	500.0	576.9	
48 Chlorobromomethane	128	4.725	4.725	0.000	96	445879	100.0	112.9	
49 Tetrahydrofuran	42	4.749	4.755	-0.006	90	732599	200.0	218.0	
50 Chloroform	83	4.804	4.804	0.000	84	1363738	100.0	113.2	
51 1,1,1-Trichloroethane	97	4.926	4.926	0.000	98	1167418	100.0	116.3	
52 Cyclohexane	56	4.938	4.938	0.000	94	1475473	100.0	117.8	
55 Carbon tetrachloride	117	5.066	5.066	0.000	91	1066582	100.0	114.9	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	91	1093889	100.0	116.3	
53 Isobutyl alcohol	43	5.279	5.279	0.000	64	1576647	2500.0	2829.9	
57 Benzene	78	5.279	5.279	0.000	97	3215229	100.0	112.4	
58 1,2-Dichloroethane	62	5.340	5.339	0.001	84	1230173	100.0	110.2	
59 n-Heptane	43	5.467	5.467	0.000	95	1482983	100.0	114.3	
62 Trichloroethene	95	5.893	5.893	0.000	97	861292	100.0	119.7	
64 Methylcyclohexane	83	6.021	6.021	0.000	96	1299806	100.0	116.9	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	92	904072	100.0	114.4	
67 Dibromomethane	93	6.264	6.264	0.000	94	528808	100.0	116.2	
66 1,4-Dioxane	88	6.276	6.282	-0.006	41	223453	2000.0	2048.7	
68 Dichlorobromomethane	83	6.416	6.416	0.000	98	1088467	100.0	116.1	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	92	673626	100.0	118.2	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	87	1365074	100.0	118.8	
73 4-Methyl-2-pentanone (MIBK	43	6.976	6.982	-0.006	96	5196509	500.0	530.1	
74 Toluene	92	7.134	7.134	0.000	98	2127427	100.0	117.4	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	98	1299977	100.0	124.5	
75 Ethyl methacrylate	69	7.451	7.450	0.001	75	1211392	100.0	115.6	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	93	612196	100.0	118.7	
81 Tetrachloroethene	166	7.670	7.669	0.001	94	956397	100.0	118.7	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	98	1319655	100.0	115.8	
80 2-Hexanone	43	7.822	7.822	0.000	95	3860892	500.0	554.7	
83 Chlorodibromomethane	129	7.992	7.992	0.000	90	882817	100.0	126.8	
84 Ethylene Dibromide	107	8.102	8.101	0.001	98	785260	100.0	117.9	
87 Chlorobenzene	112	8.582	8.582	0.000	93	2386658	100.0	116.8	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	46	867868	100.0	118.2	
88 Ethylbenzene	91	8.673	8.673	0.000	47	3845180	100.0	112.0	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	1567929	100.0	119.4	
91 o-Xylene	106	9.221	9.221	0.000	97	1518798	100.0	118.2	
92 Styrene	104	9.251	9.251	0.000	94	2598212	100.0	120.2	
95 Bromoform	173	9.495	9.495	0.000	97	618137	100.0	138.6	
94 Isopropylbenzene	105	9.604	9.604	0.000	96	3750728	100.0	117.1	
101 Bromobenzene	156	9.945	9.945	0.000	94	1038119	100.0	121.9	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	88	963293	100.0	117.2	
99 N-Propylbenzene	91	10.024	10.024	0.000	97	4315304	100.0	114.7	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	52	321189	100.0	114.1	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	39	362877	100.0	170.7	
103 2-Chlorotoluene	126	10.127	10.127	0.000	96	957199	100.0	118.1	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	86	3169659	100.0	116.1	
105 4-Chlorotoluene	126	10.237	10.237	0.000	97	1006213	100.0	123.5	
106 tert-Butylbenzene	134	10.517	10.517	0.000	91	784160	100.0	121.7	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	55	3237496	100.0	115.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.724	10.723	0.001	94	3894832	100.0	114.5	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	80	1884924	100.0	116.1	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	95	3457033	100.0	113.9	
113 1,4-Dichlorobenzene	146	10.943	10.942	0.001	93	1943419	100.0	116.2	
115 n-Butylbenzene	91	11.247	11.247	0.000	94	3082240	100.0	116.0	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	92	1834040	100.0	118.2	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.019	-0.006	83	221840	100.0	117.4	
119 1,2,4-Trichlorobenzene	180	12.695	12.694	0.001	94	1384690	100.0	124.6	
120 Hexachlorobutadiene	225	12.804	12.804	0.000	97	657352	100.0	124.0	
121 Naphthalene	128	12.908	12.907	0.001	98	3551226	100.0	122.3	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	96	1301981	100.0	121.4	
S 125 1,2-Dichloroethene, Total	1				0			224.1	
S 126 1,3-Dichloropropene, Total	1				0			243.2	
S 123 Total BTEX	1				0			579.4	
S 124 Xylenes, Total	1				0			237.6	

Reagents:

8260 CORP mix_00114	Amount Added: 50.00	Units: uL		
GAS CORP mix_00249	Amount Added: 50.00	Units: uL		
S_8260_IS_00271	Amount Added: 1.00	Units: uL	Run Reagent	
S_8260_Surr_00238	Amount Added: 1.00	Units: uL	Run Reagent	

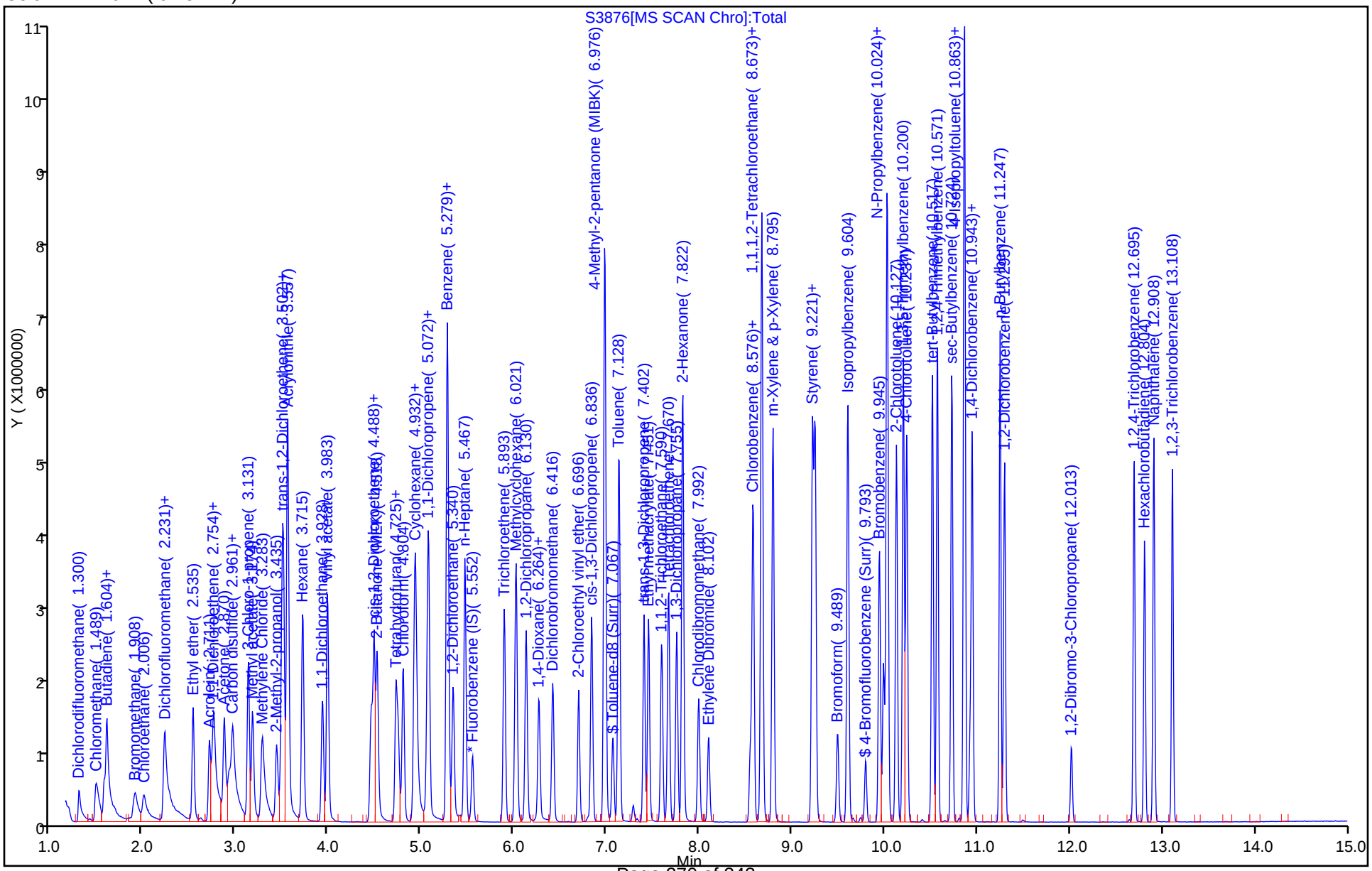
Report Date: 06-Nov-2017 14:30:00 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3876.D

Injection Date:	05-Nov-2017 22:24:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC 7			Worklist Smp#:	15
Client ID:					
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)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Lab Sample ID: CCVIS 480-393586/3 Calibration Date: 12/26/2017 18:03

Instrument ID: HP5973P Calib Start Date: 12/05/2017 13:31

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/05/2017 16:27

Lab File ID: 95285P.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	1.821	1.565	0.1000	21.5	25.0	-14.1	50.0
Chloromethane	Ave	5.536	6.062	0.1000	27.4	25.0	9.5	20.0
Vinyl chloride	Ave	2.445	2.308	0.1000	23.6	25.0	-5.6	20.0
Butadiene	Ave	2.948	2.683		22.7	25.0	-9.0	20.0
Bromomethane	Ave	1.277	1.418	0.1000	27.7	25.0	11.0	50.0
Chloroethane	Ave	1.319	1.343	0.1000	25.4	25.0	1.8	50.0
Dichlorofluoromethane	Ave	3.412	3.332		24.4	25.0	-2.3	20.0
Trichlorofluoromethane	Ave	2.771	2.390	0.1000	21.6	25.0	-13.7	20.0
Ethyl ether	Ave	2.486	2.602		26.2	25.0	4.6	20.0
Acrolein	Ave	0.4489	0.4433		123	125	-1.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.628	1.422	0.1000	21.8	25.0	-12.7	20.0
1,1-Dichloroethene	Lin1		1.653	0.1000	25.0	25.0	-0.2	20.0
Acetone	Ave	1.505	1.533	0.1000	127	125	1.9	50.0
Iodomethane	Ave	2.522	3.236		32.1	25.0	28.3*	20.0
Carbon disulfide	Ave	6.296	6.102	0.1000	24.2	25.0	-3.1	20.0
Methyl acetate	Ave	3.782	3.352	0.1000	44.3	50.0	-11.4	50.0
Allyl chloride	Ave	6.982	6.715		24.0	25.0	-3.8	20.0
2-Methyl-2-propanol	Ave	0.3889	0.3624		233	250	-6.8	50.0
Methylene Chloride	Ave	1.937	2.003	0.1000	25.8	25.0	3.4	20.0
Methyl tert-butyl ether	Ave	4.903	4.914	0.1000	25.1	25.0	0.2	20.0
trans-1,2-Dichloroethene	Ave	1.660	1.730	0.1000	26.1	25.0	4.2	20.0
Acrylonitrile	Ave	1.677	1.586		236	250	-5.4	20.0
Hexane	Ave	3.896	3.138		20.1	25.0	-19.4	20.0
Vinyl acetate	Ave	9.515	9.364		49.2	50.0	-1.6	20.0
1,1-Dichloroethane	Ave	4.069	4.069	0.2000	25.0	25.0	-0.0	20.0
2-Butanone (MEK)	Ave	2.372	2.242	0.1000	118	125	-5.5	20.0
2,2-Dichloropropane	Ave	1.960	2.109		26.9	25.0	7.6	20.0
cis-1,2-Dichloroethene	Ave	1.961	2.010	0.1000	25.6	25.0	2.5	20.0
Chlorobromomethane	Ave	0.8839	1.039		29.4	25.0	17.6	20.0
Tetrahydrofuran	Ave	1.688	1.409		41.7	50.0	-16.5	20.0
Chloroform	Ave	2.754	2.995	0.2000	27.2	25.0	8.7	20.0
1,1,1-Trichloroethane	Ave	2.573	2.432	0.1000	23.6	25.0	-5.5	20.0
Cyclohexane	Ave	5.725	4.396	0.1000	19.2	25.0	-23.2*	20.0
1,1-Dichloropropene	Ave	2.136	1.946		22.8	25.0	-8.9	20.0
Isobutyl alcohol	Ave	0.2481	0.2274		573	625	-8.3	50.0
Carbon tetrachloride	Ave	2.259	2.131	0.1000	23.6	25.0	-5.7	20.0
Benzene	Ave	6.306	6.215	0.5000	24.6	25.0	-1.4	20.0
1,2-Dichloroethane	Ave	3.477	3.298	0.1000	23.7	25.0	-5.2	20.0
n-Heptane	Ave	4.369	3.548		20.3	25.0	-18.8	20.0
Trichloroethene	Ave	1.695	1.737	0.2000	25.6	25.0	2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Lab Sample ID: CCVIS 480-393586/3 Calibration Date: 12/26/2017 18:03

Instrument ID: HP5973P Calib Start Date: 12/05/2017 13:31

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/05/2017 16:27

Lab File ID: 95285P.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	2.258	1.942	0.1000	21.5	25.0	-14.0	20.0
1,2-Dichloropropane	Ave	2.344	2.318	0.1000	24.7	25.0	-1.1	20.0
1,4-Dioxane	Ave	0.0068	0.0068		500	500	0.0	50.0
Dibromomethane	Ave	1.130	1.099	0.1000	24.3	25.0	-2.7	20.0
Dichlorobromomethane	Ave	2.155	2.414	0.2000	28.0	25.0	12.1	20.0
2-Chloroethyl vinyl ether	Ave	1.627	1.506		23.1	25.0	-7.5	20.0
cis-1,3-Dichloropropene	Ave	2.652	2.713	0.2000	25.6	25.0	2.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.211	1.745	0.1000	98.7	125	-21.1*	20.0
Toluene	Ave	1.934	1.665	0.4000	21.5	25.0	-13.9	20.0
Ethyl methacrylate	Ave	0.996	0.7983		20.0	25.0	-19.9	20.0
trans-1,3-Dichloropropene	Ave	1.150	1.020	0.1000	22.2	25.0	-11.3	20.0
1,1,2-Trichloroethane	Ave	0.5971	0.5264	0.1000	22.0	25.0	-11.8	20.0
Tetrachloroethene	Ave	0.8149	0.7441	0.2000	22.8	25.0	-8.7	20.0
2-Hexanone	Ave	1.604	1.259	0.1000	98.1	125	-21.5*	20.0
1,3-Dichloropropane	Ave	1.171	1.009		21.5	25.0	-13.8	20.0
Chlorodibromomethane	Ave	0.8495	0.8223	0.1000	24.2	25.0	-3.2	20.0
Ethylene Dibromide	Ave	0.7609	0.7078		23.3	25.0	-7.0	20.0
Chlorobenzene	Ave	2.275	2.094	0.5000	23.0	25.0	-8.0	20.0
Ethylbenzene	Ave	3.563	3.019	0.1000	21.2	25.0	-15.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7970	0.7885		24.7	25.0	-1.1	20.0
m-Xylene & p-Xylene	Ave	1.397	1.276	0.1000	22.8	25.0	-8.7	20.0
o-Xylene	Ave	1.383	1.308	0.3000	23.6	25.0	-5.4	20.0
Styrene	Ave	2.380	2.132	0.3000	22.4	25.0	-10.4	20.0
Bromoform	Ave	0.6030	0.5496	0.1000	22.8	25.0	-8.8	50.0
Isopropylbenzene	Ave	3.053	2.587	0.1000	21.2	25.0	-15.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8645	0.7187	0.3000	20.8	25.0	-16.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.6284	0.4520		18.0	25.0	-28.1	50.0
N-Propylbenzene	Ave	3.694	2.940		19.9	25.0	-20.4*	20.0
Bromobenzene	Ave	0.9505	0.8576		22.6	25.0	-9.8	20.0
1,2,3-Trichloropropane	Ave	0.2807	0.2206		19.6	25.0	-21.4*	20.0
1,3,5-Trimethylbenzene	Ave	2.600	2.254		21.7	25.0	-13.3	20.0
2-Chlorotoluene	Ave	0.7948	0.7336		23.1	25.0	-7.7	20.0
4-Chlorotoluene	Ave	0.8355	0.7611		22.8	25.0	-8.9	20.0
tert-Butylbenzene	Ave	0.5526	0.4978		22.5	25.0	-9.9	20.0
1,2,4-Trimethylbenzene	Ave	2.735	2.398		21.9	25.0	-12.3	20.0
sec-Butylbenzene	Ave	3.096	2.584		20.9	25.0	-16.5	20.0
4-Isopropyltoluene	Ave	2.790	2.479		22.2	25.0	-11.1	20.0
1,3-Dichlorobenzene	Ave	1.667	1.559	0.6000	23.4	25.0	-6.5	20.0
1,4-Dichlorobenzene	Ave	1.710	1.569	0.5000	22.9	25.0	-8.2	20.0
n-Butylbenzene	Ave	2.395	1.908		19.9	25.0	-20.3*	20.0
1,2-Dichlorobenzene	Ave	1.640	1.547	0.4000	23.6	25.0	-5.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Lab Sample ID: CCVIS 480-393586/3 Calibration Date: 12/26/2017 18:03

Instrument ID: HP5973P Calib Start Date: 12/05/2017 13:31

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/05/2017 16:27

Lab File ID: 95285P.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Lin1		0.1526	0.0500	19.1	25.0	-23.6	50.0
1,2,4-Trichlorobenzene	Ave	1.142	1.079	0.2000	23.6	25.0	-5.5	20.0
Hexachlorobutadiene	Ave	0.4007	0.3720		23.2	25.0	-7.2	20.0
Naphthalene	Ave	3.253	2.901		22.3	25.0	-10.8	20.0
1,2,3-Trichlorobenzene	Ave	1.093	1.033		23.6	25.0	-5.4	20.0
Dibromofluoromethane (Surr)	Ave	1.367	1.614		29.5	25.0	18.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8945	0.9553		26.7	25.0	6.8	20.0
Toluene-d8 (Surr)	Ave	2.327	2.336		25.1	25.0	0.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8261	0.8329		25.2	25.0	0.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\95285P.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Dec-2017 18:03:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0068221-003
Operator ID: AS Instrument ID: HP5973P
Sublist: chrom-P-8260H2O*sub11

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Dec-2017 19:02:30 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: sonkera Date: 26-Dec-2017 19:02:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.428	10.428	0.000	97	136121	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	91	326999	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.333	17.333	0.000	93	374454	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	9.631	9.631	0.000	93	219632	25.0	29.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.081	0.000	0	130034	25.0	26.7	
$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	95	763965	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	92	272368	25.0	25.2	
10 Dichlorodifluoromethane	85	4.326	4.326	0.000	97	213018	25.0	21.5	
11 Chloromethane	50	4.746	4.746	0.000	100	825185	25.0	27.4	
17 Vinyl chloride	62	4.946	4.946	0.000	97	314130	25.0	23.6	
144 Butadiene	54	5.007	5.007	0.000	96	365162	25.0	22.7	
12 Bromomethane	94	5.585	5.585	0.000	92	192990	25.0	27.7	
13 Chloroethane	64	5.713	5.713	0.000	90	182805	25.0	25.4	
19 Dichlorofluoromethane	67	6.017	6.017	0.000	95	453579	25.0	24.4	
14 Trichlorofluoromethane	101	6.072	6.072	0.000	98	325369	25.0	21.6	
20 Ethyl ether	59	6.388	6.388	0.000	86	354119	25.0	26.2	
22 Acrolein	56	6.692	6.692	0.000	99	301686	125.0	123.4	
16 1,1,2-Trichloro-1,2,2-trif	101	6.729	6.729	0.000	91	193514	25.0	21.8	
25 1,1-Dichloroethene	96	6.826	6.826	0.000	89	225029	25.0	25.0	
24 Acetone	43	6.881	6.881	0.000	97	1043088	125.0	127.3	
18 Iodomethane	142	7.130	7.130	0.000	100	440454	25.0	32.1	
27 Carbon disulfide	76	7.240	7.240	0.000	95	830666	25.0	24.2	
30 Methyl acetate	43	7.246	7.246	0.000	98	912578	50.0	44.3	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	93	914022	25.0	24.0	
33 2-Methyl-2-propanol	59	7.495	7.495	0.000	79	493281	250.0	233.0	
31 Methylene Chloride	84	7.501	7.501	0.000	83	272606	25.0	25.8	
32 Methyl tert-butyl ether	73	7.684	7.684	0.000	85	668945	25.0	25.1	
35 trans-1,2-Dichloroethene	96	7.769	7.769	0.000	87	235437	25.0	26.1	
34 Acrylonitrile	53	7.812	7.812	0.000	100	2158464	250.0	236.4	
36 Hexane	57	7.970	7.970	0.000	91	427202	25.0	20.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.274	8.274	0.000	96	2549143	50.0	49.2	
40 1,1-Dichloroethane	63	8.329	8.329	0.000	96	553821	25.0	25.0	
44 2-Butanone (MEK)	43	9.010	9.010	0.000	94	1526030	125.0	118.2	
45 2,2-Dichloropropane	77	9.028	9.028	0.000	80	287101	25.0	26.9	
43 cis-1,2-Dichloroethene	96	9.047	9.047	0.000	90	273645	25.0	25.6	
50 Chlorobromomethane	128	9.381	9.381	0.000	79	141467	25.0	29.4	
51 Tetrahydrofuran	42	9.387	9.387	0.000	92	383640	50.0	41.7	
49 Chloroform	83	9.412	9.412	0.000	93	407739	25.0	27.2	
52 1,1,1-Trichloroethane	97	9.649	9.649	0.000	95	331083	25.0	23.6	
54 Cyclohexane	56	9.685	9.685	0.000	92	598425	25.0	19.2	
56 1,1-Dichloropropene	75	9.819	9.819	0.000	73	264920	25.0	22.8	
53 Isobutyl alcohol	43	9.838	9.838	0.000	93	773976	625.0	572.9	
55 Carbon tetrachloride	117	9.844	9.844	0.000	80	290032	25.0	23.6	
57 Benzene	78	10.123	10.123	0.000	90	846043	25.0	24.6	
60 1,2-Dichloroethane	62	10.178	10.178	0.000	89	448947	25.0	23.7	
59 n-Heptane	43	10.178	10.178	0.000	90	482996	25.0	20.3	
62 Trichloroethene	95	10.872	10.872	0.000	93	236400	25.0	25.6	
64 Methylcyclohexane	83	11.073	11.073	0.000	87	264372	25.0	21.5	
63 1,2-Dichloropropane	63	11.212	11.212	0.000	86	315477	25.0	24.7	
68 1,4-Dioxane	88	11.340	11.340	0.000	84	44179	500.0	500.3	
69 Dibromomethane	93	11.419	11.419	0.000	92	149614	25.0	24.3	
70 Dichlorobromomethane	83	11.553	11.553	0.000	92	328646	25.0	28.0	
71 2-Chloroethyl vinyl ether	63	11.803	11.803	0.000	78	204959	25.0	23.1	
73 cis-1,3-Dichloropropene	75	12.082	12.082	0.000	79	369334	25.0	25.6	
75 4-Methyl-2-pentanone (MIBK	43	12.192	12.192	0.000	95	2852424	125.0	98.7	
76 Toluene	92	12.508	12.508	0.000	96	544430	25.0	21.5	
77 Ethyl methacrylate	69	12.727	12.727	0.000	82	261028	25.0	20.0	
78 trans-1,3-Dichloropropene	75	12.800	12.800	0.000	82	333425	25.0	22.2	
79 1,1,2-Trichloroethane	83	13.086	13.086	0.000	93	172146	25.0	22.0	
80 Tetrachloroethene	166	13.232	13.232	0.000	94	243309	25.0	22.8	
83 2-Hexanone	43	13.275	13.275	0.000	96	2058986	125.0	98.1	
82 1,3-Dichloropropane	76	13.323	13.323	0.000	86	329969	25.0	21.5	
81 Chlorodibromomethane	129	13.664	13.664	0.000	88	268888	25.0	24.2	
85 Ethylene Dibromide	107	13.859	13.859	0.000	99	231463	25.0	23.3	
87 Chlorobenzene	112	14.418	14.418	0.000	95	684763	25.0	23.0	
89 Ethylbenzene	91	14.461	14.461	0.000	96	987084	25.0	21.2	
88 1,1,1,2-Tetrachloroethane	131	14.498	14.498	0.000	94	257843	25.0	24.7	
90 m-Xylene & p-Xylene	106	14.595	14.595	0.000	0	417126	25.0	22.8	
93 o-Xylene	106	15.149	15.149	0.000	94	427615	25.0	23.6	
94 Styrene	104	15.173	15.173	0.000	89	697262	25.0	22.4	
92 Bromoform	173	15.562	15.562	0.000	93	179730	25.0	22.8	
95 Isopropylbenzene	105	15.574	15.574	0.000	96	968690	25.0	21.2	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	96	269122	25.0	20.8	
98 trans-1,4-Dichloro-2-buten	53	16.091	16.091	0.000	70	169257	25.0	18.0	
99 N-Propylbenzene	91	16.098	16.098	0.000	97	1100967	25.0	19.9	
100 Bromobenzene	156	16.122	16.122	0.000	82	321117	25.0	22.6	
101 1,2,3-Trichloropropane	110	16.140	16.140	0.000	90	82586	25.0	19.6	
102 1,3,5-Trimethylbenzene	105	16.286	16.286	0.000	95	843856	25.0	21.7	
103 2-Chlorotoluene	126	16.304	16.304	0.000	95	274707	25.0	23.1	
105 4-Chlorotoluene	126	16.438	16.438	0.000	97	284998	25.0	22.8	
106 tert-Butylbenzene	134	16.730	16.730	0.000	96	186411	25.0	22.5	
107 1,2,4-Trimethylbenzene	105	16.791	16.791	0.000	97	897921	25.0	21.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.992	16.992	0.000	95	967633	25.0	20.9	
112 4-Isopropyltoluene	119	17.144	17.144	0.000	98	928102	25.0	22.2	
110 1,3-Dichlorobenzene	146	17.260	17.260	0.000	97	583868	25.0	23.4	
111 1,4-Dichlorobenzene	146	17.369	17.369	0.000	94	587636	25.0	22.9	
115 n-Butylbenzene	91	17.655	17.655	0.000	97	714552	25.0	19.9	
116 1,2-Dichlorobenzene	146	17.862	17.862	0.000	98	579411	25.0	23.6	
117 1,2-Dibromo-3-Chloropropan	75	18.908	18.908	0.000	81	57152	25.0	19.1	
119 1,2,4-Trichlorobenzene	180	20.015	20.015	0.000	95	404190	25.0	23.6	
120 Hexachlorobutadiene	225	20.137	20.137	0.000	96	139280	25.0	23.2	
121 Naphthalene	128	20.459	20.459	0.000	96	1086252	25.0	22.3	
122 1,2,3-Trichlorobenzene	180	20.837	20.837	0.000	96	386860	25.0	23.6	

Reagents:

GAS CORP mix_00256	Amount Added: 12.50	Units: uL	
8260 CORP mix_00117	Amount Added: 12.50	Units: uL	
P 8260 IS_00276	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00257	Amount Added: 1.25	Units: uL	Run Reagent

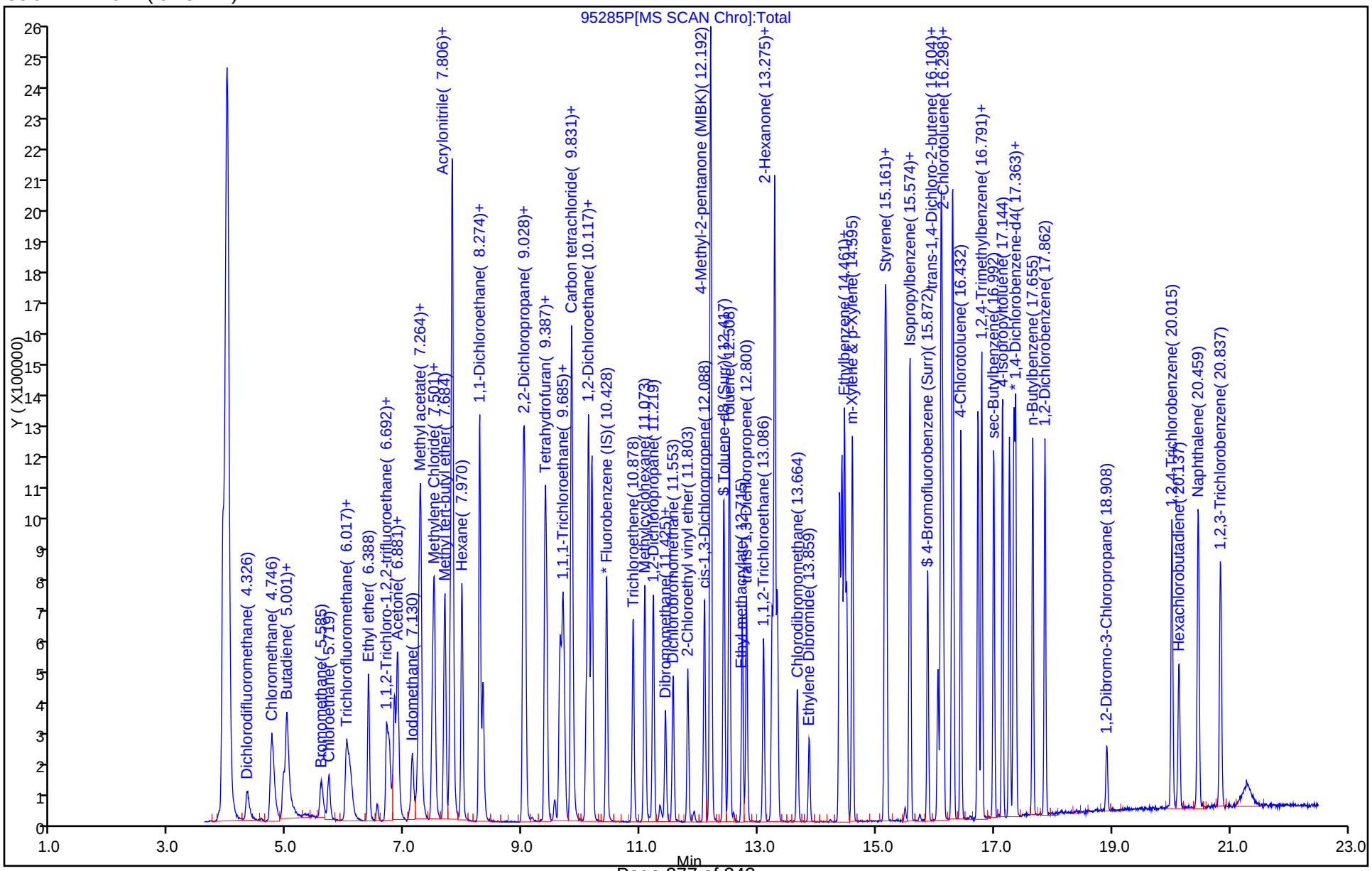
Report Date: 26-Dec-2017 19:02:30 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\95285P.D

Injection Date:	26-Dec-2017 18:03:30	Instrument ID:	HP5973P	Operator ID:	AS
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260H2O	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Lab Sample ID: CCVIS 480-393593/2 Calibration Date: 12/26/2017 19:21

Instrument ID: HP5973S Calib Start Date: 11/05/2017 19:42

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/05/2017 22:24

Lab File ID: S5957.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	Lin1		1.292	0.1000	30.6	25.0	22.6	50.0
Chloromethane	Ave	1.591	1.868	0.1000	29.4	25.0	17.4	20.0
Vinyl chloride	Lin1		1.636	0.1000	28.9	25.0	15.4	20.0
Butadiene	Ave	1.323	1.686		31.8	25.0	27.4*	20.0
Bromomethane	Ave	0.8351	0.8036	0.1000	24.1	25.0	-3.8	50.0
Chloroethane	Ave	0.8242	0.8050	0.1000	24.4	25.0	-2.3	50.0
Dichlorofluoromethane	Ave	1.867	1.611		21.6	25.0	-13.7	20.0
Trichlorofluoromethane	Lin1		1.564	0.1000	23.2	25.0	-7.2	20.0
Ethyl ether	Ave	1.238	1.215		24.5	25.0	-1.9	20.0
Acrolein	Ave	0.2812	0.2220		98.7	125	-21.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		0.7178	0.1000	19.6	25.0	-21.6*	20.0
1,1-Dichloroethene	Lin1		0.9320	0.1000	19.6	25.0	-21.6*	20.0
Acetone	Ave	0.5100	0.5550	0.1000	136	125	8.8	50.0
Iodomethane	Lin1		1.782		22.9	25.0	-8.3	20.0
Carbon disulfide	Ave	3.471	3.038	0.1000	21.9	25.0	-12.5	20.0
Allyl chloride	Ave	2.321	2.079		22.4	25.0	-10.4	20.0
Methyl acetate	Ave	1.327	1.131	0.1000	42.6	50.0	-14.8	50.0
Methylene Chloride	Ave	1.276	1.242	0.1000	24.3	25.0	-2.6	20.0
2-Methyl-2-propanol	Ave	0.1861	0.1423		191	250	-23.5	50.0
Methyl tert-butyl ether	Ave	3.881	3.673	0.1000	23.7	25.0	-5.3	20.0
trans-1,2-Dichloroethene	Ave	1.204	1.195	0.1000	24.8	25.0	-0.8	20.0
Acrylonitrile	Ave	0.6164	0.6149		249	250	-0.2	20.0
Hexane	Ave	1.950	1.773		22.7	25.0	-9.1	20.0
1,1-Dichloroethane	Ave	2.209	2.177	0.2000	24.6	25.0	-1.4	20.0
Vinyl acetate	Ave	3.162	3.102		49.0	50.0	-1.9	20.0
2,2-Dichloropropane	Ave	1.527	1.443		23.6	25.0	-5.4	20.0
cis-1,2-Dichloroethene	Ave	1.360	1.378	0.1000	25.3	25.0	1.3	20.0
2-Butanone (MEK)	Ave	0.7960	0.7633	0.1000	120	125	-4.1	20.0
Chlorobromomethane	Ave	0.6705	0.6931		25.8	25.0	3.4	20.0
Tetrahydrofuran	Ave	0.5708	0.4309		37.7	50.0	-24.5*	20.0
Chloroform	Ave	2.046	2.040	0.2000	24.9	25.0	-0.3	20.0
1,1,1-Trichloroethane	Ave	1.705	1.621	0.1000	23.8	25.0	-4.9	20.0
Cyclohexane	Ave	2.127	1.771	0.1000	20.8	25.0	-16.7	20.0
Carbon tetrachloride	Ave	1.576	1.401	0.1000	22.2	25.0	-11.1	20.0
1,1-Dichloropropene	Ave	1.597	1.478		23.1	25.0	-7.5	20.0
Benzene	Ave	4.858	4.753	0.5000	24.5	25.0	-2.2	20.0
Isobutyl alcohol	Ave	0.0946	0.0657		434	625	-30.6	50.0
1,2-Dichloroethane	Ave	1.895	1.880	0.1000	24.8	25.0	-0.8	20.0
n-Heptane	Ave	2.203	1.785		20.3	25.0	-19.0	20.0
Trichloroethene	Ave	1.222	1.198	0.2000	24.5	25.0	-1.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Lab Sample ID: CCVIS 480-393593/2 Calibration Date: 12/26/2017 19:21

Instrument ID: HP5973S Calib Start Date: 11/05/2017 19:42

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/05/2017 22:24

Lab File ID: S5957.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	1.887	1.620	0.1000	21.5	25.0	-14.2	20.0
1,2-Dichloropropane	Ave	1.341	1.247	0.1000	23.2	25.0	-7.1	20.0
Dibromomethane	Ave	0.7730	0.7929	0.1000	25.6	25.0	2.6	20.0
1,4-Dioxane	Lin1		0.0076		422	500	-15.7	50.0
Dichlorobromomethane	Ave	1.592	1.565	0.2000	24.6	25.0	-1.7	20.0
2-Chloroethyl vinyl ether	Ave	0.9678	0.8055		20.8	25.0	-16.8	20.0
cis-1,3-Dichloropropene	Ave	1.952	1.810	0.2000	23.2	25.0	-7.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8437	0.7162	0.1000	106	125	-15.1	20.0
Toluene	Ave	1.559	1.530	0.4000	24.5	25.0	-1.8	20.0
trans-1,3-Dichloropropene	Ave	0.8989	0.8803	0.1000	24.5	25.0	-2.1	20.0
Ethyl methacrylate	Ave	0.9019	0.7975		22.1	25.0	-11.6	20.0
1,1,2-Trichloroethane	Ave	0.4437	0.4435	0.1000	25.0	25.0	-0.0	20.0
Tetrachloroethene	Ave	0.6936	0.6799	0.2000	24.5	25.0	-2.0	20.0
1,3-Dichloropropane	Ave	0.9806	0.9523		24.3	25.0	-2.9	20.0
2-Hexanone	Ave	0.5990	0.5220	0.1000	109	125	-12.9	20.0
Chlorodibromomethane	Ave	0.5990	0.5916	0.1000	24.7	25.0	-1.2	20.0
Ethylene Dibromide	Ave	0.5733	0.5646		24.6	25.0	-1.5	20.0
Chlorobenzene	Ave	1.758	1.801	0.5000	25.6	25.0	2.5	20.0
Ethylbenzene	Ave	2.956	2.711	0.1000	22.9	25.0	-8.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6317	0.6251		24.7	25.0	-1.1	20.0
m-Xylene & p-Xylene	Ave	1.130	1.073	0.1000	23.7	25.0	-5.1	20.0
o-Xylene	Ave	1.106	1.066	0.3000	24.1	25.0	-3.6	20.0
Styrene	Ave	1.861	1.853	0.3000	24.9	25.0	-0.4	20.0
Bromoform	Ave	0.3837	0.3856	0.1000	25.1	25.0	0.5	50.0
Isopropylbenzene	Ave	2.856	2.359	0.1000	20.6	25.0	-17.4	20.0
Bromobenzene	Ave	0.7595	0.7255		23.9	25.0	-4.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7325	0.6390	0.3000	21.8	25.0	-12.8	20.0
1,2,3-Trichloropropane	Ave	0.2510	0.2170		21.6	25.0	-13.6	20.0
N-Propylbenzene	Ave	3.356	2.849		21.2	25.0	-15.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1895	0.1777		23.4	25.0	-6.2	50.0
2-Chlorotoluene	Ave	0.7227	0.6313		21.8	25.0	-12.7	20.0
1,3,5-Trimethylbenzene	Ave	2.434	2.068		21.2	25.0	-15.0	20.0
4-Chlorotoluene	Ave	0.7261	0.6729		23.2	25.0	-7.3	20.0
tert-Butylbenzene	Ave	0.5744	0.4878		21.2	25.0	-15.1	20.0
1,2,4-Trimethylbenzene	Ave	2.510	2.193		21.8	25.0	-12.6	20.0
sec-Butylbenzene	Ave	3.032	2.572		21.2	25.0	-15.2	20.0
1,3-Dichlorobenzene	Ave	1.448	1.363	0.6000	23.5	25.0	-5.8	20.0
4-Isopropyltoluene	Ave	2.707	2.298		21.2	25.0	-15.1	20.0
1,4-Dichlorobenzene	Ave	1.491	1.429	0.5000	24.0	25.0	-4.2	20.0
n-Butylbenzene	Ave	2.368	1.948		20.6	25.0	-17.7	20.0
1,2-Dichlorobenzene	Ave	1.383	1.322	0.4000	23.9	25.0	-4.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Lab Sample ID: CCVIS 480-393593/2 Calibration Date: 12/26/2017 19:21

Instrument ID: HP5973S Calib Start Date: 11/05/2017 19:42

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/05/2017 22:24

Lab File ID: S5957.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	0.1684	0.1048	0.0500	15.6	25.0	-37.8	50.0
1,2,4-Trichlorobenzene	Ave	0.9910	0.9488	0.2000	23.9	25.0	-4.3	20.0
Hexachlorobutadiene	Ave	0.4726	0.4071		21.5	25.0	-13.9	20.0
Naphthalene	Ave	2.589	2.275		22.0	25.0	-12.1	20.0
1,2,3-Trichlorobenzene	Ave	0.9564	0.9201		24.1	25.0	-3.8	20.0
Dibromofluoromethane (Surr)	Ave	1.264	1.298		25.7	25.0	2.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8239	0.7843		23.8	25.0	-4.8	20.0
Toluene-d8 (Surr)	Ave	2.532	2.547		25.1	25.0	0.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8429	0.8665		25.7	25.0	2.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5957.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Dec-2017 19:21:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0068223-002
Operator ID: AS Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Dec-2017 19:49:11 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: sonkera Date: 26-Dec-2017 19:49:11

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	5.546	5.546	0.000	99	109615	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.546	8.546	0.000	84	219464	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.918	0.000	56	246741	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.950	4.950	0.000	82	142316	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.267	0.000	0	85967	25.0	23.8	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	91	558960	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	92	190157	25.0	25.7	
10 Dichlorodifluoromethane	85	1.294	1.294	0.000	98	141642	25.0	30.6	
12 Chloromethane	50	1.483	1.483	0.000	100	204803	25.0	29.4	
13 Vinyl chloride	62	1.562	1.562	0.000	79	179335	25.0	28.9	
151 Butadiene	54	1.586	1.586	0.000	90	184790	25.0	31.8	
14 Bromomethane	94	1.890	1.890	0.000	86	88088	25.0	24.1	
15 Chloroethane	64	1.975	1.975	0.000	97	88241	25.0	24.4	
16 Dichlorofluoromethane	67	2.207	2.207	0.000	96	176580	25.0	21.6	
17 Trichlorofluoromethane	101	2.219	2.219	0.000	97	171427	25.0	23.2	
18 Ethyl ether	59	2.529	2.529	0.000	95	133222	25.0	24.5	
20 Acrolein	56	2.705	2.705	0.000	89	121694	125.0	98.7	
21 1,1,2-Trichloro-1,2,2-trif	101	2.730	2.730	0.000	81	78680	25.0	19.6	
22 1,1-Dichloroethene	96	2.748	2.748	0.000	93	102160	25.0	19.6	
23 Acetone	43	2.870	2.870	0.000	99	304152	125.0	136.0	
25 Iodomethane	142	2.906	2.906	0.000	98	195321	25.0	22.9	
26 Carbon disulfide	76	2.949	2.949	0.000	98	333020	25.0	21.9	
28 3-Chloro-1-propene	41	3.125	3.125	0.000	90	227884	25.0	22.4	
27 Methyl acetate	43	3.174	3.174	0.000	96	247995	50.0	42.6	
30 Methylene Chloride	84	3.265	3.265	0.000	98	136180	25.0	24.3	
31 2-Methyl-2-propanol	59	3.435	3.435	0.000	97	155970	250.0	191.2	
32 Methyl tert-butyl ether	73	3.490	3.490	0.000	90	402636	25.0	23.7	
34 trans-1,2-Dichloroethene	96	3.502	3.502	0.000	83	130948	25.0	24.8	
33 Acrylonitrile	53	3.551	3.551	0.000	98	674051	250.0	249.4	
35 Hexane	57	3.709	3.709	0.000	92	194384	25.0	22.7	

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	3.922	3.922	0.000	97	238683	25.0	24.6	
37 Vinyl acetate	43	3.983	3.983	0.000	97	679972	50.0	49.0	
44 2,2-Dichloropropane	77	4.451	4.451	0.000	93	158228	25.0	23.6	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	82	151088	25.0	25.3	
43 2-Butanone (MEK)	43	4.518	4.518	0.000	93	418366	125.0	119.9	
48 Chlorobromomethane	128	4.719	4.719	0.000	97	75976	25.0	25.8	
49 Tetrahydrofuran	42	4.749	4.749	0.000	89	94462	50.0	37.7	
50 Chloroform	83	4.798	4.798	0.000	94	223654	25.0	24.9	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	95	177721	25.0	23.8	
52 Cyclohexane	56	4.932	4.932	0.000	94	194151	25.0	20.8	
55 Carbon tetrachloride	117	5.060	5.060	0.000	88	153565	25.0	22.2	
54 1,1-Dichloropropene	75	5.072	5.072	0.000	92	162031	25.0	23.1	
57 Benzene	78	5.273	5.273	0.000	96	521018	25.0	24.5	
53 Isobutyl alcohol	43	5.279	5.279	0.000	51	179940	625.0	433.8	
58 1,2-Dichloroethane	62	5.333	5.333	0.000	78	206058	25.0	24.8	
59 n-Heptane	43	5.461	5.461	0.000	96	195694	25.0	20.3	
62 Trichloroethene	95	5.887	5.887	0.000	94	131341	25.0	24.5	
64 Methylcyclohexane	83	6.015	6.015	0.000	93	177580	25.0	21.5	
65 1,2-Dichloropropane	63	6.124	6.124	0.000	87	136650	25.0	23.2	
67 Dibromomethane	93	6.258	6.258	0.000	88	86910	25.0	25.6	
66 1,4-Dioxane	88	6.276	6.276	0.000	36	33441	500.0	421.7	M
68 Dichlorobromomethane	83	6.410	6.410	0.000	97	171556	25.0	24.6	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	91	88291	25.0	20.8	
72 cis-1,3-Dichloropropene	75	6.830	6.830	0.000	84	198385	25.0	23.2	
73 4-Methyl-2-pentanone (MIBK	43	6.976	6.976	0.000	98	785898	125.0	106.1	
74 Toluene	92	7.128	7.128	0.000	95	335884	25.0	24.5	
77 trans-1,3-Dichloropropene	75	7.396	7.396	0.000	96	193200	25.0	24.5	
75 Ethyl methacrylate	69	7.451	7.451	0.000	69	175024	25.0	22.1	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	91	97341	25.0	25.0	
81 Tetrachloroethene	166	7.663	7.663	0.000	94	149210	25.0	24.5	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	95	209002	25.0	24.3	
80 2-Hexanone	43	7.816	7.816	0.000	95	572782	125.0	108.9	
83 Chlorodibromomethane	129	7.992	7.992	0.000	89	129843	25.0	24.7	
84 Ethylene Dibromide	107	8.095	8.095	0.000	98	123902	25.0	24.6	
87 Chlorobenzene	112	8.576	8.576	0.000	95	395283	25.0	25.6	
88 Ethylbenzene	91	8.667	8.667	0.000	47	594999	25.0	22.9	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	47	137178	25.0	24.7	
90 m-Xylene & p-Xylene	106	8.789	8.789	0.000	0	235533	25.0	23.7	
91 o-Xylene	106	9.215	9.215	0.000	97	233887	25.0	24.1	
92 Styrene	104	9.245	9.245	0.000	95	406565	25.0	24.9	
95 Bromoform	173	9.489	9.489	0.000	97	84622	25.0	25.1	
94 Isopropylbenzene	105	9.598	9.598	0.000	95	581986	25.0	20.6	
101 Bromobenzene	156	9.939	9.939	0.000	91	179014	25.0	23.9	
97 1,1,2,2-Tetrachloroethane	83	9.981	9.981	0.000	87	157667	25.0	21.8	
100 1,2,3-Trichloropropane	110	10.018	10.018	0.000	42	53540	25.0	21.6	
99 N-Propylbenzene	91	10.024	10.024	0.000	98	703057	25.0	21.2	
98 trans-1,4-Dichloro-2-buten	53	10.030	10.030	0.000	37	43855	25.0	23.4	
103 2-Chlorotoluene	126	10.121	10.121	0.000	96	155765	25.0	21.8	
102 1,3,5-Trimethylbenzene	105	10.194	10.194	0.000	94	510281	25.0	21.2	
105 4-Chlorotoluene	126	10.237	10.237	0.000	95	166021	25.0	23.2	
106 tert-Butylbenzene	134	10.511	10.511	0.000	86	120368	25.0	21.2	
107 1,2,4-Trimethylbenzene	105	10.565	10.565	0.000	44	541188	25.0	21.8	

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	10.724	10.724	0.000	92	634637	25.0	21.2	
110 4-Isopropyltoluene	119	10.857	10.857	0.000	96	566957	25.0	21.2	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	75	336403	25.0	23.5	
113 1,4-Dichlorobenzene	146	10.943	10.943	0.000	96	352659	25.0	24.0	
115 n-Butylbenzene	91	11.241	11.241	0.000	94	480729	25.0	20.6	
116 1,2-Dichlorobenzene	146	11.289	11.289	0.000	93	326087	25.0	23.9	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.013	0.000	74	25855	25.0	15.6	
119 1,2,4-Trichlorobenzene	180	12.689	12.689	0.000	92	234113	25.0	23.9	
120 Hexachlorobutadiene	225	12.804	12.804	0.000	95	100440	25.0	21.5	
121 Naphthalene	128	12.901	12.901	0.000	97	561265	25.0	22.0	
122 1,2,3-Trichlorobenzene	180	13.102	13.102	0.000	96	227027	25.0	24.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00117	Amount Added:	12.50	Units: uL	
GAS CORP mix_00257	Amount Added:	12.50	Units: uL	
S_8260_IS_00275	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00244	Amount Added:	1.00	Units: uL	Run Reagent

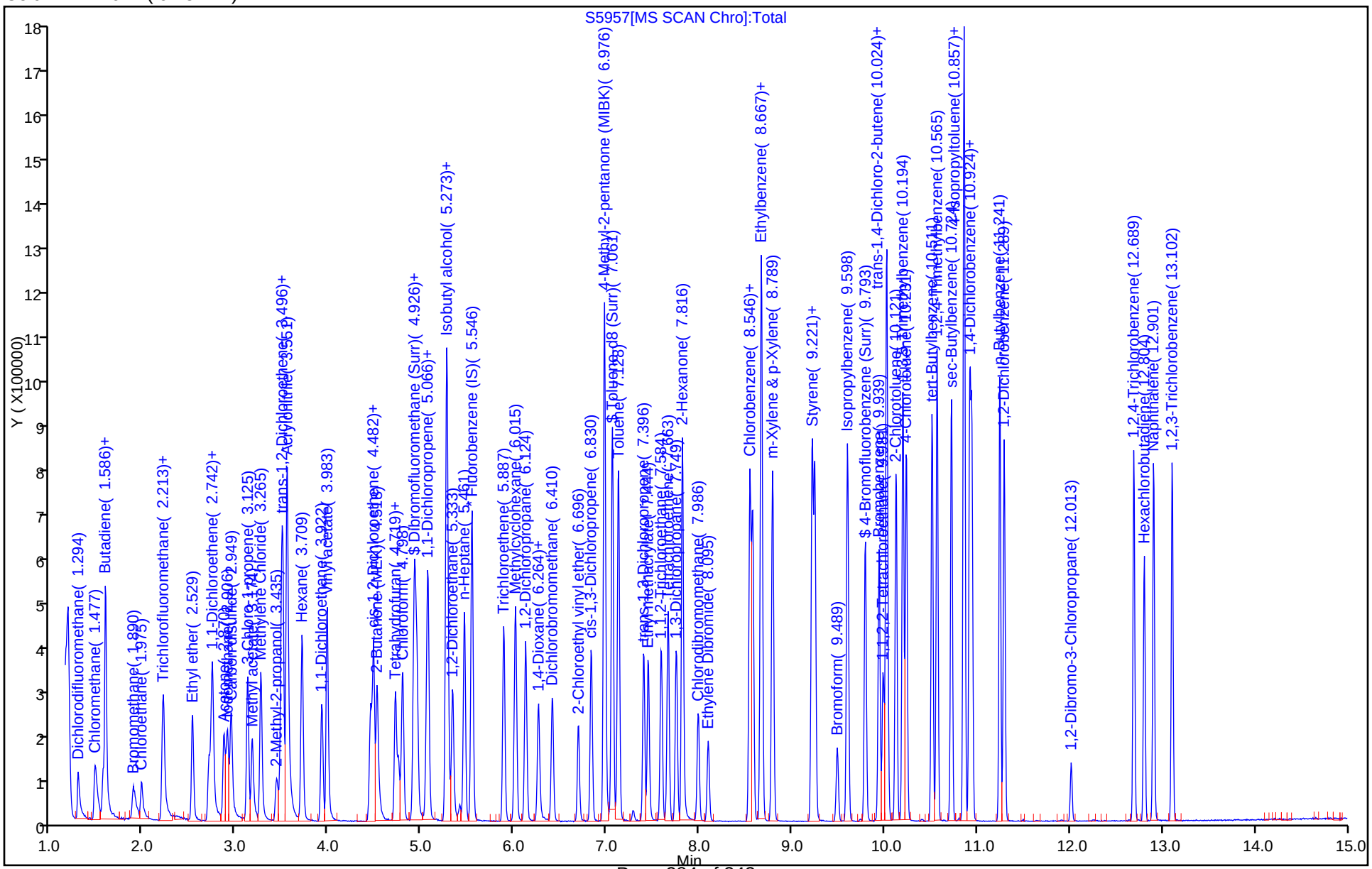
Report Date: 26-Dec-2017 19:49:12 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5957.D

Injection Date:	26-Dec-2017 19:21:30	Instrument ID:	HP5973S	Operator ID:	AS
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

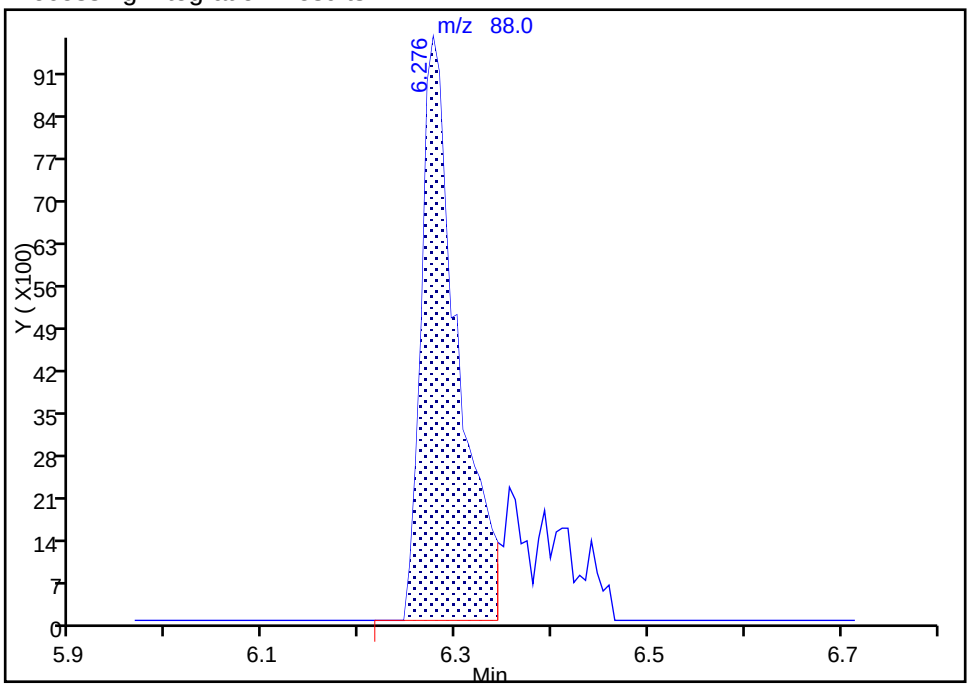
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5957.D
Injection Date: 26-Dec-2017 19:21:30 Instrument ID: HP5973S
Lims ID: CCVIS
Client ID:
Operator ID: AS ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

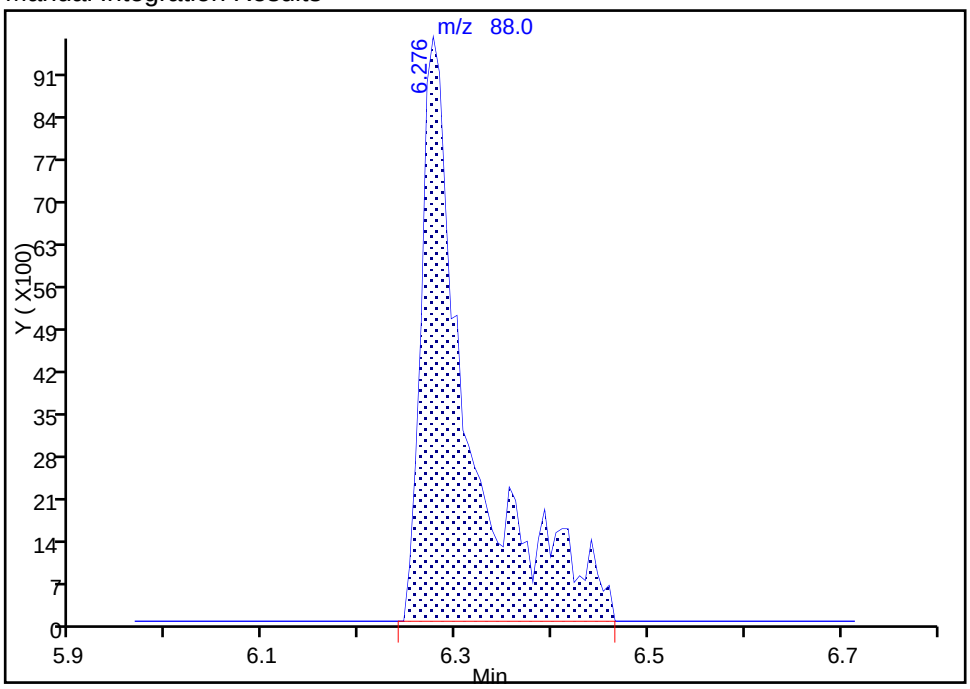
Processing Integration Results

RT: 6.28
Area: 25184
Amount: 331.5908
Amount Units: ug/L



Manual Integration Results

RT: 6.28
Area: 33441
Amount: 421.6908
Amount Units: ug/L



Reviewer: sonkera, 26-Dec-2017 19:48:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94696P.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 05-Dec-2017 12:30:30 ALS Bottle#: 100 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0067727-005
Operator ID: RF/RB Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2017 08:27:36 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: baroner Date: 06-Dec-2017 08:27:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.621	7.621	0.000	0	119087	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

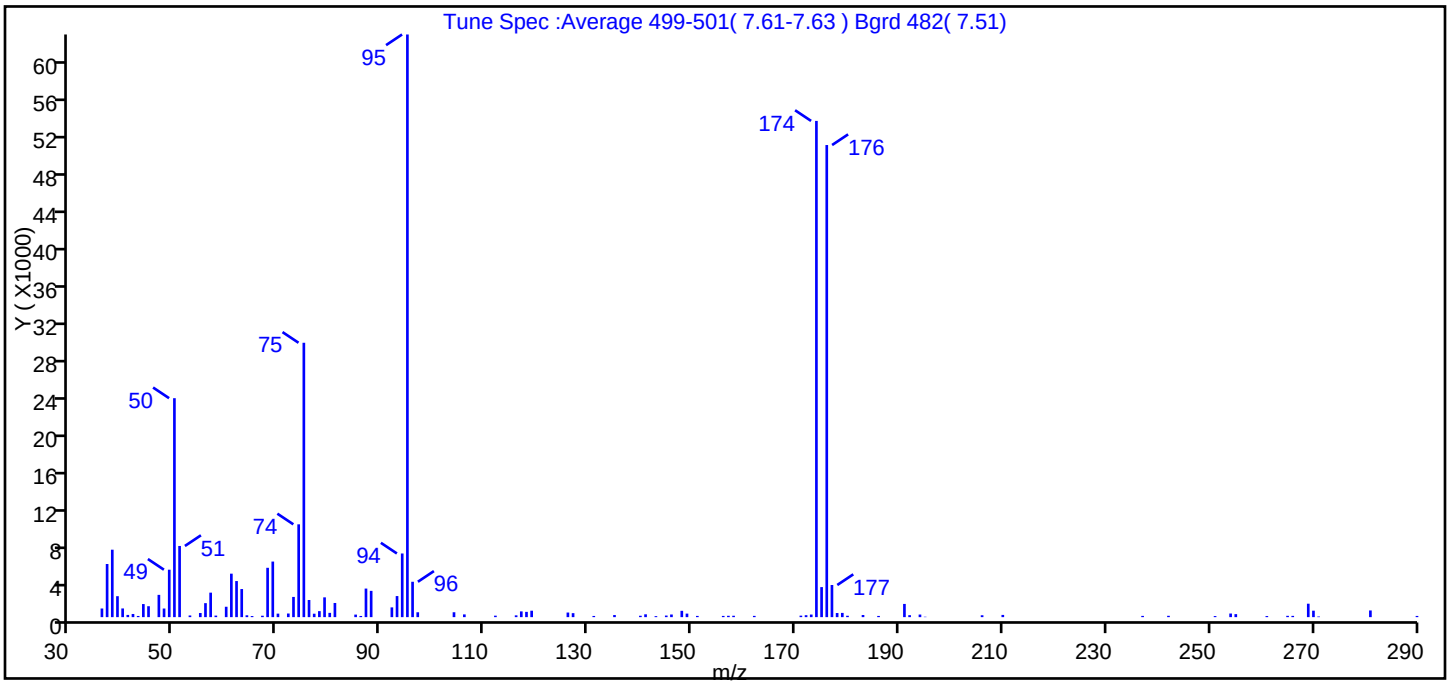
BFB_WRK_00066 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94696P.D
Injection Date: 05-Dec-2017 12:30:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	37.6
75	30 to 60% of m/z 95	47.1
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	85.2
175	5 to 9% of m/z 174	5.2 (6.1)
176	Greater than 95% but less than 101% of m/z 174	81.0 (95.1)
177	5 to 9% of m/z 176	5.5 (6.8)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94696P.D\P-8260H2O.rslt\spectra.d
Injection Date: 05-Dec-2017 12:30:30
Spectrum: Tune Spec :Average 499-501(7.61-7.63) Bgrd 482(7.51)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 104

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	932	67.00	152	112.00	160	176.00	50904
37.00	5730	68.00	5320	116.00	193	177.00	3466
38.00	7272	69.00	5993	117.00	621	178.00	444
39.00	2260	70.00	379	118.00	569	179.00	457
40.00	938	72.00	392	119.00	694	180.00	151
41.00	240	73.00	2180	126.00	496	183.00	230
42.00	341	74.00	10007	127.00	430	186.00	131
43.00	127	75.00	29584	131.00	128	191.00	1425
44.00	1411	76.00	1848	135.00	227	192.00	213
45.00	1178	77.00	370	140.00	150	194.00	279
47.00	2402	78.00	648	141.00	306	195.00	42
48.00	930	79.00	2134	143.00	109	206.00	203
49.00	5115	80.00	461	145.00	171	210.00	240
50.00	23608	81.00	1527	146.00	285	237.00	135
51.00	7674	85.00	275	148.00	682	242.00	145
53.00	180	86.00	127	149.00	381	251.00	117
55.00	445	87.00	3081	151.00	133	254.00	391
56.00	1509	88.00	2834	156.00	133	255.00	324
57.00	2641	92.00	1052	157.00	147	261.00	118
58.00	167	93.00	2273	158.00	150	265.00	142
60.00	1120	94.00	6864	162.00	136	266.00	137
61.00	4688	95.00	62824	171.00	161	269.00	1449
62.00	3891	96.00	3815	172.00	210	270.00	696
63.00	3029	97.00	525	173.00	279	271.00	67
64.00	200	104.00	528	174.00	53504	281.00	721
65.00	117	106.00	296	175.00	3239	290.00	130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\95284P.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	26-Dec-2017 17:35:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0068221-002				
Operator ID:	AS	Instrument ID:	HP5973P		
Method:	\\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\P-8260H2O.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	26-Dec-2017 19:01:50	Calib Date:	05-Dec-2017 20:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK006				
First Level Reviewer: sonkera		Date:	26-Dec-2017 17:38:40		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.609	7.609	0.000	0	123675	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

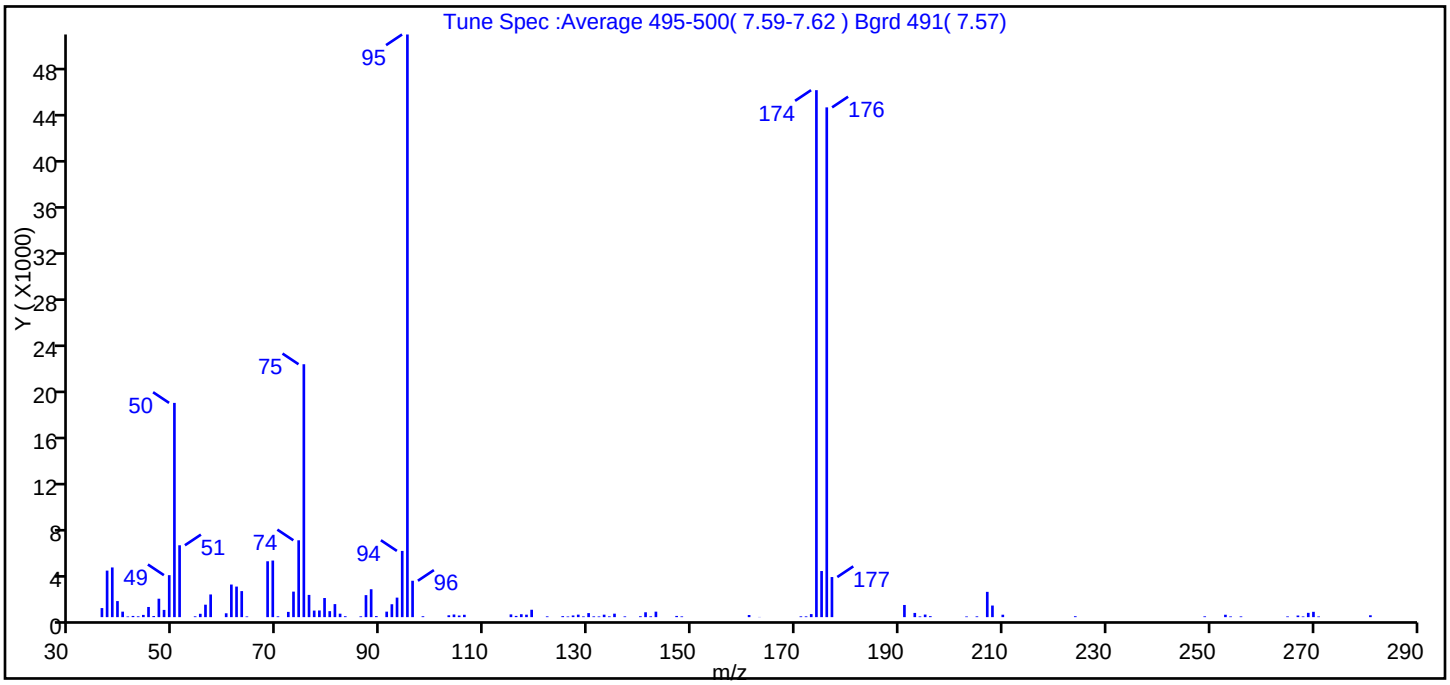
BFB_WRK_00066 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\95284P.D
Injection Date: 26-Dec-2017 17:35:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: AS ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	36.8
75	30 to 60% of m/z 95	43.4
96	5 to 9% of m/z 95	6.2
173	Less than 2% of m/z 174	0.5 (0.6)
174	50 to 120% of m/z 95	90.4
175	5 to 9% of m/z 174	7.9 (8.8)
176	Greater than 95% but less than 101% of m/z 174	87.5 (96.7)
177	5 to 9% of m/z 176	6.9 (7.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\95284P.D\P-8260H2O.rslt\spectra.d
Injection Date: 26-Dec-2017 17:35:30
Spectrum: Tune Spec :Average 495-500(7.59-7.62) Bgrd 491(7.57)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 110

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	788	72.00	457	116.00	108	174.00	45808
37.00	4045	73.00	2219	117.00	254	175.00	4009
38.00	4320	74.00	6681	118.00	214	176.00	44312
39.00	1396	75.00	21984	119.00	643	177.00	3486
40.00	478	76.00	1933	122.00	69	191.00	1058
41.00	59	77.00	571	125.00	87	193.00	367
42.00	105	78.00	580	126.00	59	194.00	63
43.00	72	79.00	1663	127.00	146	195.00	225
44.00	194	80.00	521	128.00	218	196.00	84
45.00	884	81.00	1133	129.00	65	203.00	60
46.00	96	82.00	301	130.00	353	205.00	70
47.00	1603	83.00	80	131.00	68	207.00	2198
48.00	630	86.00	70	132.00	62	208.00	1009
49.00	3649	87.00	1913	133.00	215	210.00	212
50.00	18624	88.00	2426	134.00	68	224.00	80
51.00	6248	89.00	89	135.00	302	249.00	71
54.00	72	91.00	479	137.00	67	253.00	209
55.00	292	92.00	1122	140.00	77	254.00	62
56.00	1083	93.00	1697	141.00	424	256.00	64
57.00	1972	94.00	5757	142.00	72	265.00	63
60.00	336	95.00	50648	143.00	477	267.00	140
61.00	2834	96.00	3163	147.00	105	268.00	61
62.00	2657	98.00	78	148.00	65	269.00	373
63.00	2264	103.00	160	161.00	184	270.00	463
64.00	61	104.00	230	163.00	17	271.00	59
68.00	4857	105.00	142	171.00	71	281.00	162
69.00	4920	106.00	206	172.00	69		
70.00	69	115.00	238	173.00	266		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3867.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 05-Nov-2017 18:55:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0067029-006
Operator ID: AS/AM Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:30:02 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: sonkera Date: 05-Nov-2017 19:04:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.838	3.838	0.000	0	215313	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

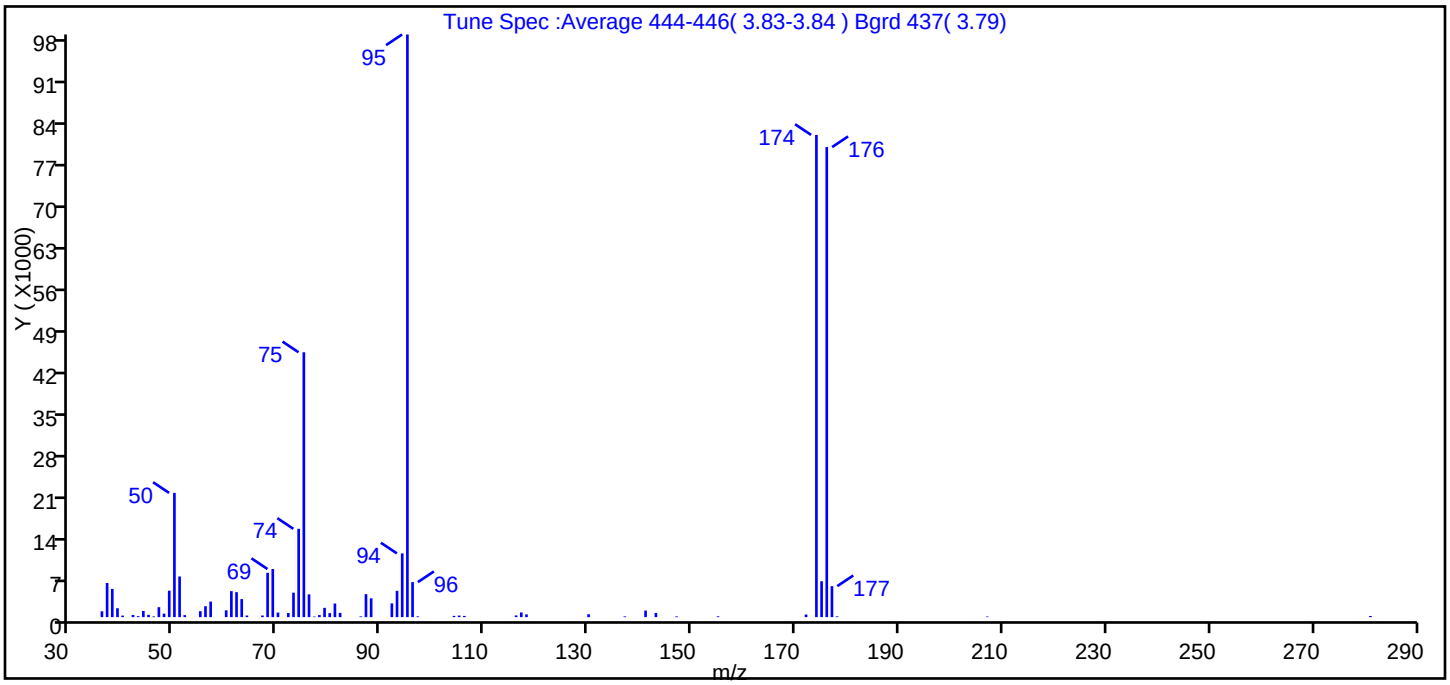
BFB_WRK_00065 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3867.D
Injection Date: 05-Nov-2017 18:55:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AS/AM ALS Bottle#: 6 Worklist Smp#: 6
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	21.3
75	30 to 60% of m/z 95	45.5
96	5 to 9% of m/z 95	6.0
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.8
175	5 to 9% of m/z 174	6.2 (7.4)
176	Greater than 95% but less than 101% of m/z 174	80.7 (97.5)
177	5 to 9% of m/z 176	5.3 (6.6)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3867.D\S-8260.rslt\spectra.d
Injection Date: 05-Nov-2017 18:55:30
Spectrum: Tune Spec :Average 444-446(3.83-3.84) Bgrd 437(3.79)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	991	56.00	1852	78.00	353	116.00	293
37.00	5795	57.00	2641	79.00	1577	117.00	794
38.00	4782	60.00	1160	80.00	684	118.00	470
39.00	1511	61.00	4410	81.00	2309	130.00	489
40.00	266	62.00	4235	82.00	725	137.00	128
42.00	366	63.00	3060	86.00	127	141.00	1113
43.00	163	64.00	275	87.00	3901	143.00	715
44.00	1048	67.00	279	88.00	3191	147.00	123
45.00	393	68.00	7516	92.00	2332	155.00	138
46.00	123	69.00	8160	93.00	4457	172.00	450
47.00	1689	70.00	775	94.00	10805	174.00	81752
48.00	596	72.00	694	95.00	98776	175.00	6088
49.00	4485	73.00	4149	96.00	5943	176.00	79688
50.00	21064	74.00	14973	97.00	129	177.00	5256
51.00	6893	75.00	44904	104.00	214	178.00	130
52.00	343	76.00	3864	105.00	269	207.00	103
55.00	1010	77.00	99	106.00	206	281.00	200

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5956.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 26-Dec-2017 18:56:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0068223-001
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Dec-2017 19:06:02 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: sonkera Date: 26-Dec-2017 19:06:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.832	3.832	0.000	0	157136	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

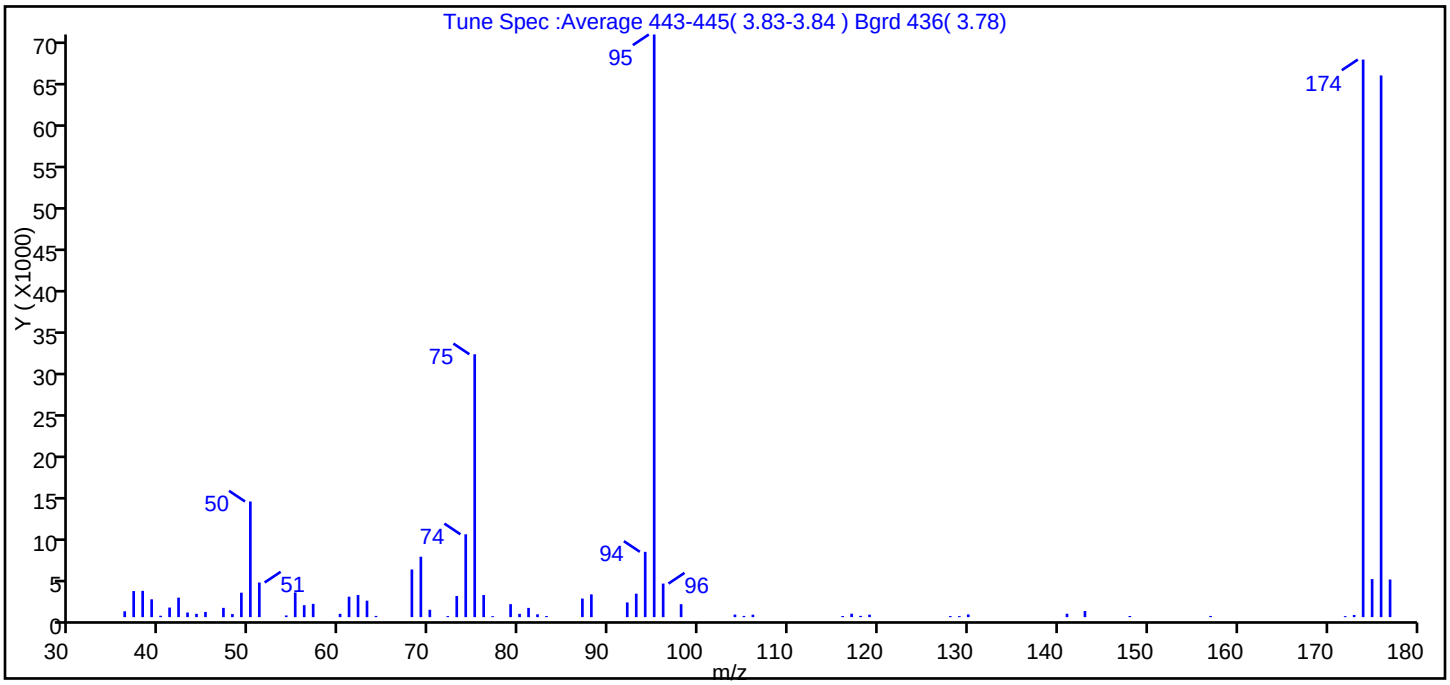
BFB_WRK_00066 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5956.D
Injection Date: 26-Dec-2017 18:56:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AS 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	45.1
96	5 to 9% of m/z 95	5.8
173	Less than 2% of m/z 174	0.4 (0.4)
174	50 to 120% of m/z 95	95.7
175	5 to 9% of m/z 174	6.5 (6.8)
176	Greater than 95% but less than 101% of m/z 174	93.0 (97.2)
177	5 to 9% of m/z 176	6.5 (6.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5956.D\S-8260.rslt\spectra.d
Injection Date: 26-Dec-2017 18:56:30
Spectrum: Tune Spec :Average 443-445(3.83-3.84) Bgrd 436(3.78)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	708	56.00	1446	80.00	400	118.00	154
37.00	3153	57.00	1605	81.00	1118	119.00	298
38.00	3178	60.00	403	82.00	342	128.00	128
39.00	2155	61.00	2474	83.00	142	129.00	124
40.00	171	62.00	2673	87.00	2249	130.00	326
41.00	1156	63.00	1989	88.00	2752	141.00	411
42.00	2354	64.00	150	92.00	1777	143.00	742
43.00	559	68.00	5761	93.00	2835	148.00	141
44.00	401	69.00	7300	94.00	7892	157.00	145
45.00	632	70.00	889	95.00	70408	172.00	124
47.00	1121	72.00	128	96.00	4057	173.00	263
48.00	371	73.00	2554	98.00	1564	174.00	67376
49.00	2954	74.00	10012	104.00	307	175.00	4601
50.00	13975	75.00	31768	105.00	148	176.00	65456
51.00	4187	76.00	2676	106.00	298	177.00	4547
54.00	207	77.00	117	116.00	135		
55.00	2986	79.00	1571	117.00	416		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-393586/6

Matrix: Water | Lab File ID: 95289P.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 19:52

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 393586 | 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.41
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
123-91-1	1,4-Dioxane	ND		40	9.3
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
75-25-2	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
74-97-5	Chlorobromomethane	ND		1.0	0.87
124-48-1	Chlorodibromomethane	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
110-82-7	Cyclohexane	ND		1.0	0.18
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-393586/6

Matrix: Water | Lab File ID: 95289P.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 19:52

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 393586 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
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
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
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
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
100-42-5	Styrene	ND		1.0	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\95289P.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Dec-2017 19:52:30 ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0068221-006
Operator ID: AS Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Dec-2017 20:13:54 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: sonkera Date: 26-Dec-2017 20:13:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.427	10.422	0.005	97	139927	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	92	330194	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.333	-0.001	94	384462	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	9.624	9.630	-0.001	94	215067	25.0	28.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.075	0.006	0	126072	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	12.417	12.411	0.006	95	764621	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	94	275111	25.0	25.2	
10 Dichlorodifluoromethane	85		4.326					ND	
15 Chlorodifluoromethane	51		4.362					ND	
17 Vinyl chloride	62		4.946					ND	
144 Butadiene	54		5.007					ND	
12 Bromomethane	94		5.585					ND	
13 Chloroethane	64		5.713					ND	
19 Dichlorofluoromethane	67		6.017					ND	
14 Trichlorofluoromethane	101		6.072					ND	
141 Ethanol	45		6.297					ND	
20 Ethyl ether	59		6.388					ND	
26 Propene oxide	58		6.565					ND	
22 Acrolein	56		6.692					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.729					ND	
25 1,1-Dichloroethene	96		6.826					ND	
24 Acetone	43		6.881					ND	
23 Isopropyl alcohol	45		6.984					ND	
18 Iodomethane	142		7.130					ND	
30 Methyl acetate	43		7.246					ND	
29 Acetonitrile	40		7.319					ND	
33 2-Methyl-2-propanol	59		7.495					ND	
31 Methylene Chloride	84		7.501					ND	
32 Methyl tert-butyl ether	73		7.684					ND	
35 trans-1,2-Dichloroethene	96		7.769					ND	
34 Acrylonitrile	53		7.812					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 Hexane	57		7.970					ND	
37 Isopropyl ether	45		8.195					ND	
38 Vinyl acetate	43		8.274					ND	
39 1,1-Dimethoxyethane	75		8.329					ND	
40 1,1-Dichloroethane	63		8.329					ND	
41 2-Chloro-1,3-butadiene	53		8.402					ND	
42 Tert-butyl ethyl ether	59		8.645					ND	
46 Ethyl acetate	43		8.974					ND	
44 2-Butanone (MEK)	43		9.010					ND	
45 2,2-Dichloropropane	77		9.028					ND	
43 cis-1,2-Dichloroethene	96		9.047					ND	
47 Propionitrile	54		9.181					ND	
48 Methacrylonitrile	41		9.327					ND	
50 Chlorobromomethane	128		9.381					ND	
51 Tetrahydrofuran	42		9.387					ND	
49 Chloroform	83		9.412					ND	
52 1,1,1-Trichloroethane	97		9.649					ND	
54 Cyclohexane	56		9.685					ND	
66 2-Methylthiophene	97		9.687					ND	
56 1,1-Dichloropropene	75		9.819					ND	
53 Isobutyl alcohol	43		9.838					ND	
55 Carbon tetrachloride	117		9.844					ND	
67 3-Methylthiophene	97		9.894					ND	
140 t-Amyl alcohol	59		9.953					ND	
146 Isooctane	57		10.008					ND	
58 Tert-amyl methyl ether	73		10.075					ND	
57 Benzene	78		10.123					ND	
59 n-Heptane	43		10.178					ND	
60 1,2-Dichloroethane	62		10.178					ND	
1 1,4-Difluorobenzene	114		10.501					ND	
61 n-Butanol	56		10.641					ND	
145 Ethyl acrylate	55		10.854					ND	
62 Trichloroethene	95		10.872					ND	
64 Methylcyclohexane	83		11.073					ND	
65 Methyl methacrylate	41		11.152					ND	
63 1,2-Dichloropropane	63		11.212					ND	
68 1,4-Dioxane	88		11.340					ND	
69 Dibromomethane	93		11.419					ND	
70 Dichlorobromomethane	83		11.553					ND	
71 2-Chloroethyl vinyl ether	63		11.803					ND	
72 2-Nitropropane	43		11.857					ND	
74 Epichlorohydrin	57		12.009					ND	
73 cis-1,3-Dichloropropene	75		12.082					ND	
75 4-Methyl-2-pentanone (MIBK	43		12.192					ND	
76 Toluene	92		12.508					ND	
77 Ethyl methacrylate	69		12.727					ND	
78 trans-1,3-Dichloropropene	75		12.800					ND	
79 1,1,2-Trichloroethane	83		13.086					ND	
80 Tetrachloroethene	166		13.232					ND	
83 2-Hexanone	43		13.275					ND	
82 1,3-Dichloropropane	76		13.323					ND	
149 n-Butyl acetate	43		13.330					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
81 Chlorodibromomethane	129		13.664					ND	
85 Ethylene Dibromide	107		13.859					ND	
84 3-Chlorobenzotrifluoride	180		14.199					ND	
139 1-Chlorohexane	55		14.212					ND	
86 4-Chlorobenzotrifluoride	180		14.266					ND	
87 Chlorobenzene	112		14.418					ND	
89 Ethylbenzene	91		14.461					ND	
88 1,1,1,2-Tetrachloroethane	131		14.498					ND	
90 m-Xylene & p-Xylene	106		14.595					ND	
93 o-Xylene	106		15.149					ND	
94 Styrene	104		15.173					ND	
91 2-Chlorobenzotrifluoride	180		15.453					ND	
92 Bromoform	173		15.562					ND	
95 Isopropylbenzene	105		15.574					ND	
96 Cyclohexanone	55		15.879					ND	
97 1,1,2,2-Tetrachloroethane	83		16.049					ND	
99 N-Propylbenzene	91		16.098					ND	
100 Bromobenzene	156		16.122					ND	
101 1,2,3-Trichloropropane	110		16.140					ND	
102 1,3,5-Trimethylbenzene	105		16.286					ND	
103 2-Chlorotoluene	126		16.304					ND	
104 3-Chlorotoluene	126		16.371					ND	
105 4-Chlorotoluene	126		16.438					ND	
106 tert-Butylbenzene	134		16.730					ND	
107 1,2,4-Trimethylbenzene	105		16.791					ND	
108 Pentachloroethane	167		16.864					ND	
109 sec-Butylbenzene	105		16.992					ND	
112 4-Isopropyltoluene	119		17.144					ND	
110 1,3-Dichlorobenzene	146		17.260					ND	
113 1,2,3-Trimethylbenzene	105		17.351					ND	
114 Dicyclopentadiene	66		17.363					ND	
111 1,4-Dichlorobenzene	146		17.369					ND	
143 Benzyl chloride	126		17.527					ND	
115 n-Butylbenzene	91	17.655	17.655	0.000	31	5895		0.1600	
116 1,2-Dichlorobenzene	146		17.862					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.908					ND	
119 1,2,4-Trichlorobenzene	180		20.015					ND	
120 Hexachlorobutadiene	225	20.137	20.137	0.000	1	3439		0.5580	
121 Naphthalene	128		20.459					ND	
122 1,2,3-Trichlorobenzene	180	20.842	20.837	0.005	10	3196		0.1902	
142 2-Methylnaphthalene	142	22.406	22.406	-0.012	11	2883		0.1544	
138 Ethylene oxide TIC	1		0.000					ND	
136 Propene oxide TIC	1		0.000					ND	
137 1-Bromopropane TIC	1		0.000					ND	
135 Pentachloroethane TIC	1		0.000					ND	
134 Halothane	1		0.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		5.300					ND	
T 131 1-Bromopropane	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
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	201		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	

Reagents:

P 8260 IS_00276	Amount Added:	1.25	Units: uL	Run Reagent
P 8260 Surr._00257	Amount Added:	1.25	Units: uL	Run Reagent

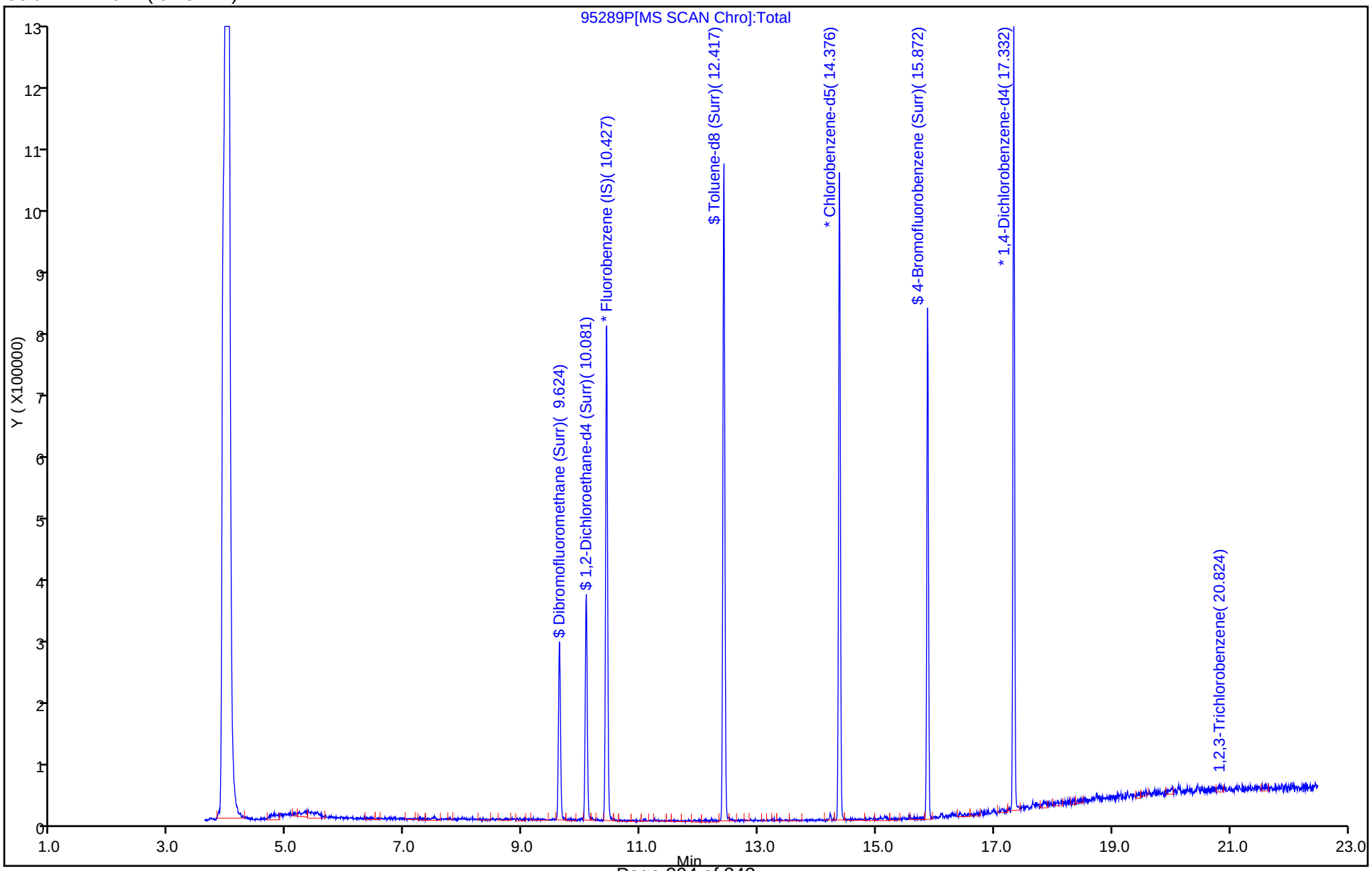
Report Date: 26-Dec-2017 20:13:54 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\95289P.D

Injection Date:	26-Dec-2017 19:52:30	Instrument ID:	HP5973P	Operator ID:	AS
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	P-8260H2O	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.: 480-129453-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-393593/6

Matrix: Water | Lab File ID: S5961.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 20:54

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.: 393593 | 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.41
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
123-91-1	1,4-Dioxane	ND		40	9.3
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
75-25-2	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
74-97-5	Chlorobromomethane	ND		1.0	0.87
124-48-1	Chlorodibromomethane	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
110-82-7	Cyclohexane	ND		1.0	0.18
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-393593/6

Matrix: Water | Lab File ID: S5961.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 20:54

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.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
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
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
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
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
100-42-5	Styrene	ND		1.0	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5961.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Dec-2017 20:54:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0068223-006
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Dec-2017 21:13:01 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: sonkera Date: 26-Dec-2017 21:13:01

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	5.546	5.546	0.000	99	104337	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.546	8.545	0.001	85	208011	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.918	0.000	95	212836	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	57	133878	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.266	0.001	0	85480	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	92	530507	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	91	174301	25.0	24.9	
10 Dichlorodifluoromethane	85		1.294					ND	
11 Chlorodifluoromethane	51		1.318					ND	
12 Chloromethane	50		1.483					ND	
13 Vinyl chloride	62		1.562					ND	
151 Butadiene	54		1.586					ND	
14 Bromomethane	94		1.890					ND	
15 Chloroethane	64		1.975					ND	
16 Dichlorofluoromethane	67		2.207					ND	
17 Trichlorofluoromethane	101		2.219					ND	
148 Ethanol	45		2.523					ND	
18 Ethyl ether	59		2.529					ND	
19 Propene oxide	58		2.614					ND	
20 Acrolein	56		2.705					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.730					ND	
22 1,1-Dichloroethene	96		2.748					ND	
23 Acetone	43		2.870					ND	
25 Iodomethane	142		2.906					ND	
26 Carbon disulfide	76		2.949					ND	
24 Isopropyl alcohol	45		3.052					ND	
28 3-Chloro-1-propene	41		3.125					ND	
29 Acetonitrile	40		3.174					ND	
27 Methyl acetate	43		3.174					ND	
30 Methylene Chloride	84	3.265	3.265	0.000	19	900		0.1690	
31 2-Methyl-2-propanol	59		3.435					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.490					ND	
34 trans-1,2-Dichloroethene	96		3.502					ND	
33 Acrylonitrile	53		3.551					ND	
35 Hexane	57		3.709					ND	
139 Halothane	117		3.822					ND	
39 1,1-Dichloroethane	63		3.922					ND	
36 Isopropyl ether	45		3.946					ND	
37 Vinyl acetate	43		3.983					ND	
40 2-Chloro-1,3-butadiene	53		3.989					ND	
38 1,1-Dimethoxyethane	75		4.019					ND	
41 Tert-butyl ethyl ether	59		4.287					ND	
44 2,2-Dichloropropane	77		4.451					ND	
45 cis-1,2-Dichloroethene	96		4.482					ND	
43 2-Butanone (MEK)	43		4.518					ND	
42 Ethyl acetate	43		4.555					ND	
46 Propionitrile	54		4.615					ND	
48 Chlorobromomethane	128		4.719					ND	
47 Methacrylonitrile	41		4.731					ND	
49 Tetrahydrofuran	42		4.749					ND	
50 Chloroform	83		4.798					ND	
51 1,1,1-Trichloroethane	97		4.920					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.930					ND	
52 Cyclohexane	56		4.932					ND	
55 Carbon tetrachloride	117		5.060					ND	
54 1,1-Dichloropropene	75		5.072					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
57 Benzene	78		5.273					ND	
152 Isooctane	57		5.279					ND	
53 Isobutyl alcohol	43		5.279					ND	
58 1,2-Dichloroethane	62		5.333					ND	
147 t-Amyl alcohol	59		5.339					ND	
56 Tert-amyl methyl ether	73		5.352					ND	
59 n-Heptane	43		5.461					ND	
1 1,4-Difluorobenzene	114		5.656					ND	
62 Trichloroethene	95		5.887					ND	
60 n-Butanol	56		5.905					ND	
142 Ethyl acrylate	55		6.009					ND	
64 Methylcyclohexane	83		6.015					ND	
65 1,2-Dichloropropane	63		6.124					ND	
63 Methyl methacrylate	41		6.228					ND	
67 Dibromomethane	93		6.258					ND	
66 1,4-Dioxane	88		6.276					ND	
68 Dichlorobromomethane	83		6.410					ND	
70 2-Nitropropane	43		6.660					ND	
69 2-Chloroethyl vinyl ether	63		6.696					ND	
71 Epichlorohydrin	57		6.781					ND	
72 cis-1,3-Dichloropropene	75		6.830					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976					ND	
74 Toluene	92		7.128					ND	
76 2-Methylthiophene	97		7.262					ND	
77 trans-1,3-Dichloropropene	75		7.396					ND	
78 3-Methylthiophene	97		7.426					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.451					ND	
79 1,1,2-Trichloroethane	83		7.590					ND	
81 Tetrachloroethene	166		7.663					ND	
82 1,3-Dichloropropane	76		7.755					ND	
80 2-Hexanone	43		7.816					ND	
155 n-Butyl acetate	43		7.925					ND	
83 Chlorodibromomethane	129		7.992					ND	
84 Ethylene Dibromide	107		8.095					ND	
146 1-Chlorohexane	55		8.521					ND	
85 3-Chlorobenzotrifluoride	180		8.539					ND	
87 Chlorobenzene	112		8.576					ND	
86 4-Chlorobenzotrifluoride	180		8.606					ND	
88 Ethylbenzene	91		8.667					ND	
89 1,1,1,2-Tetrachloroethane	131		8.673					ND	
90 m-Xylene & p-Xylene	106		8.789					ND	
91 o-Xylene	106		9.215					ND	
92 Styrene	104		9.245					ND	
95 Bromoform	173		9.489					ND	
93 2-Chlorobenzotrifluoride	180		9.519					ND	
94 Isopropylbenzene	105		9.598					ND	
96 Cyclohexanone	55		9.762					ND	
101 Bromobenzene	156		9.939					ND	
97 1,1,2,2-Tetrachloroethane	83		9.981					ND	
100 1,2,3-Trichloropropane	110		10.018					ND	
99 N-Propylbenzene	91		10.024					ND	
98 trans-1,4-Dichloro-2-buten	53		10.030					ND	
103 2-Chlorotoluene	126		10.121					ND	
104 3-Chlorotoluene	126		10.188					ND	
102 1,3,5-Trimethylbenzene	105		10.194					ND	
105 4-Chlorotoluene	126		10.237					ND	
106 tert-Butylbenzene	134		10.511					ND	
107 1,2,4-Trimethylbenzene	105		10.565					ND	
108 Pentachloroethane	167		10.571					ND	
109 sec-Butylbenzene	105		10.724					ND	
111 1,3-Dichlorobenzene	146		10.857					ND	
110 4-Isopropyltoluene	119		10.857					ND	
114 Dicyclopentadiene	66		10.924					ND	
113 1,4-Dichlorobenzene	146		10.943					ND	
112 1,2,3-Trimethylbenzene	105		10.973					ND	
150 Benzyl chloride	126		11.082					ND	
115 n-Butylbenzene	91		11.241					ND	
116 1,2-Dichlorobenzene	146		11.289					ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013					ND	
118 1,3,5-Trichlorobenzene	180		12.153					ND	
119 1,2,4-Trichlorobenzene	180		12.689					ND	
120 Hexachlorobutadiene	225		12.804					ND	
121 Naphthalene	128		12.901					ND	
122 1,2,3-Trichlorobenzene	180		13.102					ND	
149 2-Methylnaphthalene	142		13.814					ND	
145 Ethylene oxide TIC	1		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
143 Propene oxide TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	

Reagents:

S_8260_IS_00275	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00244	Amount Added:	1.00	Units: uL	Run Reagent

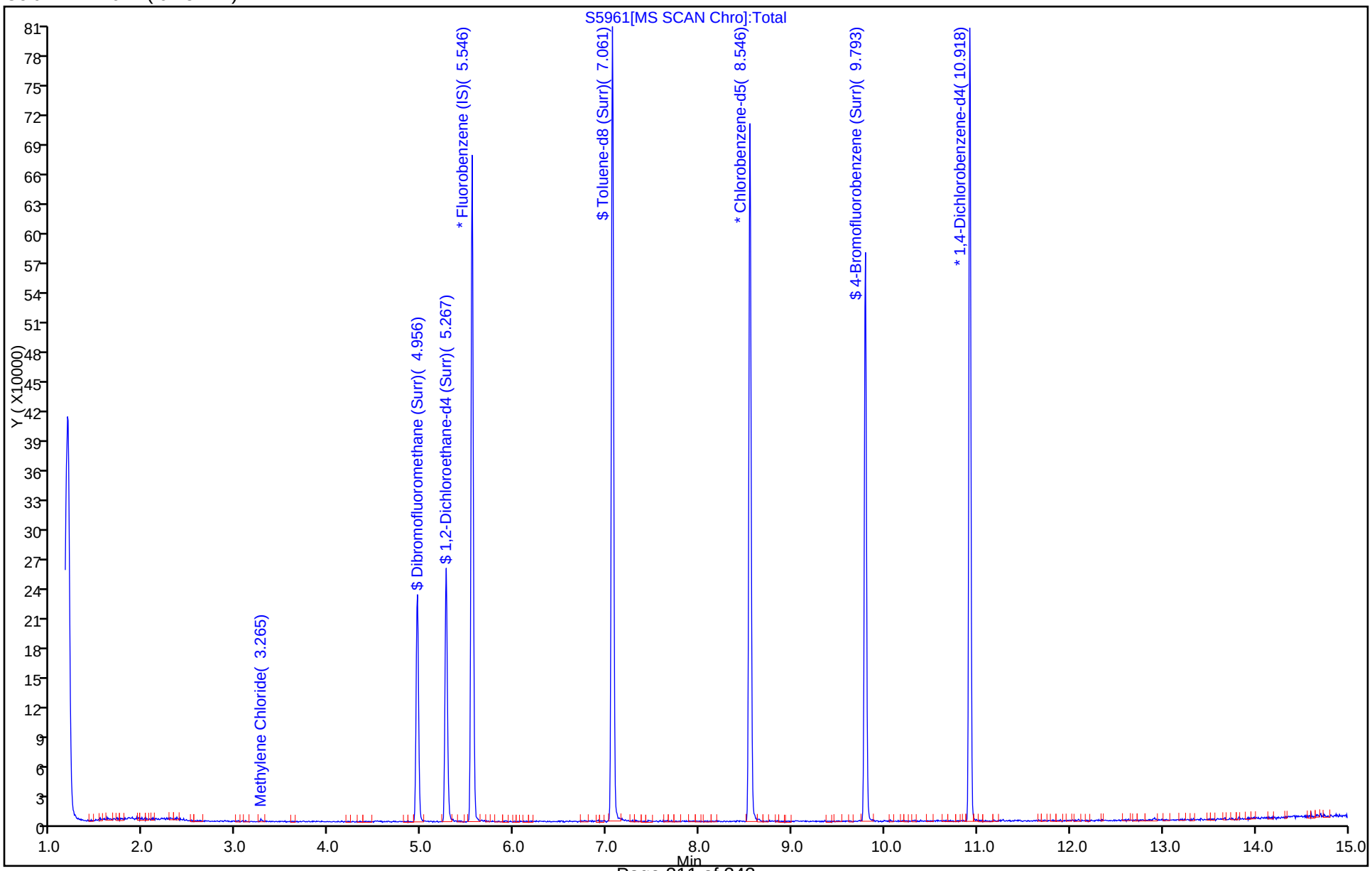
Report Date: 26-Dec-2017 21:13:02 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5961.D

Injection Date:	26-Dec-2017 20:54:30	Instrument ID:	HP5973S	Operator ID:	AS
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.: 480-129453-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-393586/4

Matrix: Water | Lab File ID: 95287P.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 18:58

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 393586 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.8		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	21.4		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19.0		1.0	0.31
79-00-5	1,1,2-Trichloroethane	22.4		1.0	0.23
75-34-3	1,1-Dichloroethane	23.8		1.0	0.38
75-35-4	1,1-Dichloroethene	22.3		1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	22.1		1.0	0.41
120-82-1	1,2,4-Trichlorobenzene	22.6		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		1.0	0.39
95-50-1	1,2-Dichlorobenzene	22.5		1.0	0.79
107-06-2	1,2-Dichloroethane	23.5		1.0	0.21
78-87-5	1,2-Dichloropropane	25.2		1.0	0.72
541-73-1	1,3-Dichlorobenzene	22.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	22.2		1.0	0.84
123-91-1	1,4-Dioxane	456		40	9.3
78-93-3	2-Butanone (MEK)	121		10	1.3
591-78-6	2-Hexanone	105		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	103		5.0	2.1
67-64-1	Acetone	128		10	3.0
71-43-2	Benzene	23.6		1.0	0.41
75-25-2	Bromoform	24.1		1.0	0.26
74-83-9	Bromomethane	25.3		1.0	0.69
75-15-0	Carbon disulfide	22.1		1.0	0.19
56-23-5	Carbon tetrachloride	21.9		1.0	0.27
108-90-7	Chlorobenzene	21.8		1.0	0.75
74-97-5	Chlorobromomethane	28.3		1.0	0.87
124-48-1	Chlorodibromomethane	24.0		1.0	0.32
75-00-3	Chloroethane	24.1		1.0	0.32
67-66-3	Chloroform	26.0		1.0	0.34
74-87-3	Chloromethane	25.0		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.9		1.0	0.81
110-82-7	Cyclohexane	18.0		1.0	0.18
75-27-4	Dichlorobromomethane	27.8		1.0	0.39
75-71-8	Dichlorodifluoromethane	19.0		1.0	0.68
100-41-4	Ethylbenzene	20.6		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-393586/4

Matrix: Water | Lab File ID: 95287P.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 18:58

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 393586 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	24.3		1.0	0.73
98-82-8	Isopropylbenzene	19.9		1.0	0.79
79-20-9	Methyl acetate	44.5		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.4		1.0	0.16
108-87-2	Methylcyclohexane	19.9		1.0	0.16
75-09-2	Methylene Chloride	24.8		1.0	0.44
179601-23-1	m-Xylene & p-Xylene	22.8		2.0	0.66
95-47-6	o-Xylene	22.7		1.0	0.76
127-18-4	Tetrachloroethene	21.4		1.0	0.36
108-88-3	Toluene	20.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	22.4		1.0	0.37
79-01-6	Trichloroethene	24.9		1.0	0.46
75-69-4	Trichlorofluoromethane	19.0		1.0	0.88
75-01-4	Vinyl chloride	23.0		1.0	0.90
10061-01-5	cis-1,3-Dichloropropene	25.9		1.0	0.36
100-42-5	Styrene	22.9		1.0	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	120		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\95287P.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Dec-2017 18:58:30 ALS Bottle#: 5 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0068221-004
Operator ID: AS Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Dec-2017 19:18:11 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: sonkera Date: 26-Dec-2017 19:31:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.421	10.422	-0.001	97	136460	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	90	338577	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.333	-0.001	93	397477	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	9.631	9.630	0.006	92	223777	25.0	30.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	10.075	10.075	0.000	0	130895	25.0	26.8	
$ 5 Toluene-d8 (Surr)	98	12.411	12.411	0.000	94	777668	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	91	282310	25.0	25.2	
10 Dichlorodifluoromethane	85	4.326	4.326	0.000	97	189297	25.0	19.0	
11 Chloromethane	50	4.752	4.746	0.006	99	755715	25.0	25.0	
17 Vinyl chloride	62	4.946	4.946	0.000	97	307487	25.0	23.0	
144 Butadiene	54	5.001	5.010	-0.006	95	333201	25.0	20.7	
12 Bromomethane	94	5.585	5.585	0.000	91	176618	25.0	25.3	
13 Chloroethane	64	5.707	5.713	-0.006	90	173345	25.0	24.1	
19 Dichlorofluoromethane	67	6.017	6.017	0.000	96	420833	25.0	22.6	
14 Trichlorofluoromethane	101	6.066	6.072	-0.006	96	288048	25.0	19.0	
20 Ethyl ether	59	6.388	6.388	0.000	85	343016	25.0	25.3	
22 Acrolein	56	6.692	6.692	0.000	99	296841	125.0	121.1	
16 1,1,2-Trichloro-1,2,2-trif	101	6.735	6.729	0.006	92	168604	25.0	19.0	
25 1,1-Dichloroethene	96	6.826	6.826	0.000	89	201484	25.0	22.3	
24 Acetone	43	6.875	6.881	-0.006	97	1047354	125.0	127.5	
18 Iodomethane	142	7.124	7.130	-0.006	99	447850	25.0	32.5	
27 Carbon disulfide	76	7.234	7.240	-0.006	59	759952	25.0	22.1	
30 Methyl acetate	43	7.246	7.246	0.000	98	919060	50.0	44.5	
28 3-Chloro-1-propene	41	7.270	7.276	-0.006	93	873777	25.0	22.9	
33 2-Methyl-2-propanol	59	7.489	7.495	-0.006	94	504173	250.0	237.5	
31 Methylene Chloride	84	7.495	7.501	-0.006	83	262732	25.0	24.8	
32 Methyl tert-butyl ether	73	7.678	7.684	-0.006	84	679097	25.0	25.4	
35 trans-1,2-Dichloroethene	96	7.775	7.769	0.006	87	219686	25.0	24.3	
34 Acrylonitrile	53	7.805	7.812	-0.007	98	2153734	250.0	235.3	
36 Hexane	57	7.970	7.970	0.000	92	399815	25.0	18.8	
38 Vinyl acetate	43	8.268	8.274	-0.006	96	2560878	50.0	49.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	8.329	8.329	0.000	96	529119	25.0	23.8	
44 2-Butanone (MEK)	43	9.010	9.010	0.000	95	1568217	125.0	121.1	
45 2,2-Dichloropropane	77	9.022	9.028	-0.006	78	263501	25.0	24.6	
43 cis-1,2-Dichloroethene	96	9.047	9.047	0.000	89	266258	25.0	24.9	
50 Chlorobromomethane	128	9.381	9.381	0.000	80	136629	25.0	28.3	
51 Tetrahydrofuran	42	9.387	9.387	0.000	90	389007	50.0	42.2	
49 Chloroform	83	9.412	9.412	0.000	92	390431	25.0	26.0	
52 1,1,1-Trichloroethane	97	9.643	9.649	-0.006	95	320041	25.0	22.8	
54 Cyclohexane	56	9.685	9.685	0.000	91	561338	25.0	18.0	
56 1,1-Dichloropropene	75	9.819	9.819	0.000	86	252237	25.0	21.6	
53 Isobutyl alcohol	43	9.837	9.838	-0.001	92	785644	625.0	580.1	
55 Carbon tetrachloride	117	9.837	9.844	-0.007	50	270607	25.0	21.9	
57 Benzene	78	10.117	10.123	-0.006	90	811015	25.0	23.6	
60 1,2-Dichloroethane	62	10.172	10.178	-0.006	92	445979	25.0	23.5	
59 n-Heptane	43	10.172	10.178	-0.006	91	468491	25.0	19.6	
62 Trichloroethene	95	10.872	10.872	0.000	93	230761	25.0	24.9	
64 Methylcyclohexane	83	11.072	11.073	-0.001	87	245570	25.0	19.9	
63 1,2-Dichloropropane	63	11.212	11.212	0.000	87	322611	25.0	25.2	
68 1,4-Dioxane	88	11.334	11.340	-0.006	85	41724	500.0	456.3	
69 Dibromomethane	93	11.425	11.419	0.006	92	156421	25.0	25.4	
70 Dichlorobromomethane	83	11.553	11.553	0.000	93	326729	25.0	27.8	
71 2-Chloroethyl vinyl ether	63	11.802	11.803	-0.001	79	215018	25.0	24.2	
73 cis-1,3-Dichloropropene	75	12.088	12.082	0.006	80	374359	25.0	25.9	
75 4-Methyl-2-pentanone (MIBK	43	12.192	12.192	0.000	95	3080595	125.0	102.9	
76 Toluene	92	12.508	12.508	0.000	96	537911	25.0	20.5	
77 Ethyl methacrylate	69	12.727	12.727	0.000	82	293686	25.0	21.8	
78 trans-1,3-Dichloropropene	75	12.800	12.800	0.000	84	348592	25.0	22.4	
79 1,1,2-Trichloroethane	83	13.086	13.086	0.000	93	180777	25.0	22.4	
80 Tetrachloroethene	166	13.232	13.232	0.000	96	236186	25.0	21.4	
83 2-Hexanone	43	13.275	13.275	0.000	96	2271558	125.0	104.6	
82 1,3-Dichloropropane	76	13.317	13.323	-0.006	88	344346	25.0	21.7	
81 Chlorodibromomethane	129	13.658	13.664	-0.006	89	276504	25.0	24.0	
85 Ethylene Dibromide	107	13.865	13.859	0.006	98	250568	25.0	24.3	
87 Chlorobenzene	112	14.418	14.418	0.000	96	671462	25.0	21.8	
89 Ethylbenzene	91	14.461	14.461	0.000	96	993115	25.0	20.6	
88 1,1,1,2-Tetrachloroethane	131	14.497	14.497	-0.001	94	260749	25.0	24.2	
90 m-Xylene & p-Xylene	106	14.595	14.595	0.000	0	431179	25.0	22.8	
93 o-Xylene	106	15.142	15.148	-0.007	96	425151	25.0	22.7	
94 Styrene	104	15.173	15.173	0.000	91	737226	25.0	22.9	
92 Bromoform	173	15.562	15.562	0.000	94	196648	25.0	24.1	
95 Isopropylbenzene	105	15.574	15.574	0.000	96	967321	25.0	19.9	
97 1,1,2,2-Tetrachloroethane	83	16.043	16.049	-0.006	96	293995	25.0	21.4	
98 trans-1,4-Dichloro-2-buten	53	16.097	16.091	0.006	68	180825	25.0	18.1	
99 N-Propylbenzene	91	16.097	16.097	-0.001	97	1124421	25.0	19.1	
100 Bromobenzene	156	16.122	16.122	0.000	81	338345	25.0	22.4	
101 1,2,3-Trichloropropane	110	16.140	16.140	0.000	80	94227	25.0	21.1	
102 1,3,5-Trimethylbenzene	105	16.286	16.286	0.000	96	828280	25.0	20.0	
103 2-Chlorotoluene	126	16.304	16.304	0.000	96	274065	25.0	21.7	
105 4-Chlorotoluene	126	16.432	16.438	-0.006	96	293031	25.0	22.1	
106 tert-Butylbenzene	134	16.724	16.730	-0.006	96	182496	25.0	20.8	
107 1,2,4-Trimethylbenzene	105	16.791	16.791	0.000	96	916098	25.0	21.1	
109 sec-Butylbenzene	105	16.992	16.992	0.000	95	946308	25.0	19.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	17.138	17.144	-0.006	98	926725	25.0	20.9	
110 1,3-Dichlorobenzene	146	17.259	17.259	-0.001	98	593894	25.0	22.4	
111 1,4-Dichlorobenzene	146	17.363	17.369	-0.006	94	604863	25.0	22.2	
115 n-Butylbenzene	91	17.655	17.655	0.000	97	731810	25.0	19.2	
116 1,2-Dichlorobenzene	146	17.862	17.862	0.000	96	585722	25.0	22.5	
117 1,2-Dibromo-3-Chloropropan	75	18.914	18.908	0.006	82	56596	25.0	17.8	
119 1,2,4-Trichlorobenzene	180	20.021	20.015	0.006	95	410665	25.0	22.6	
120 Hexachlorobutadiene	225	20.131	20.137	-0.006	95	135760	25.0	21.3	
121 Naphthalene	128	20.459	20.459	0.000	96	1107704	25.0	21.4	
122 1,2,3-Trichlorobenzene	180	20.837	20.837	-0.001	96	384248	25.0	22.1	

Reagents:

8260 CORP mix_00117	Amount Added: 12.50	Units: uL	
GAS CORP mix_00256	Amount Added: 12.50	Units: uL	
P 8260 IS_00276	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00257	Amount Added: 1.25	Units: uL	Run Reagent

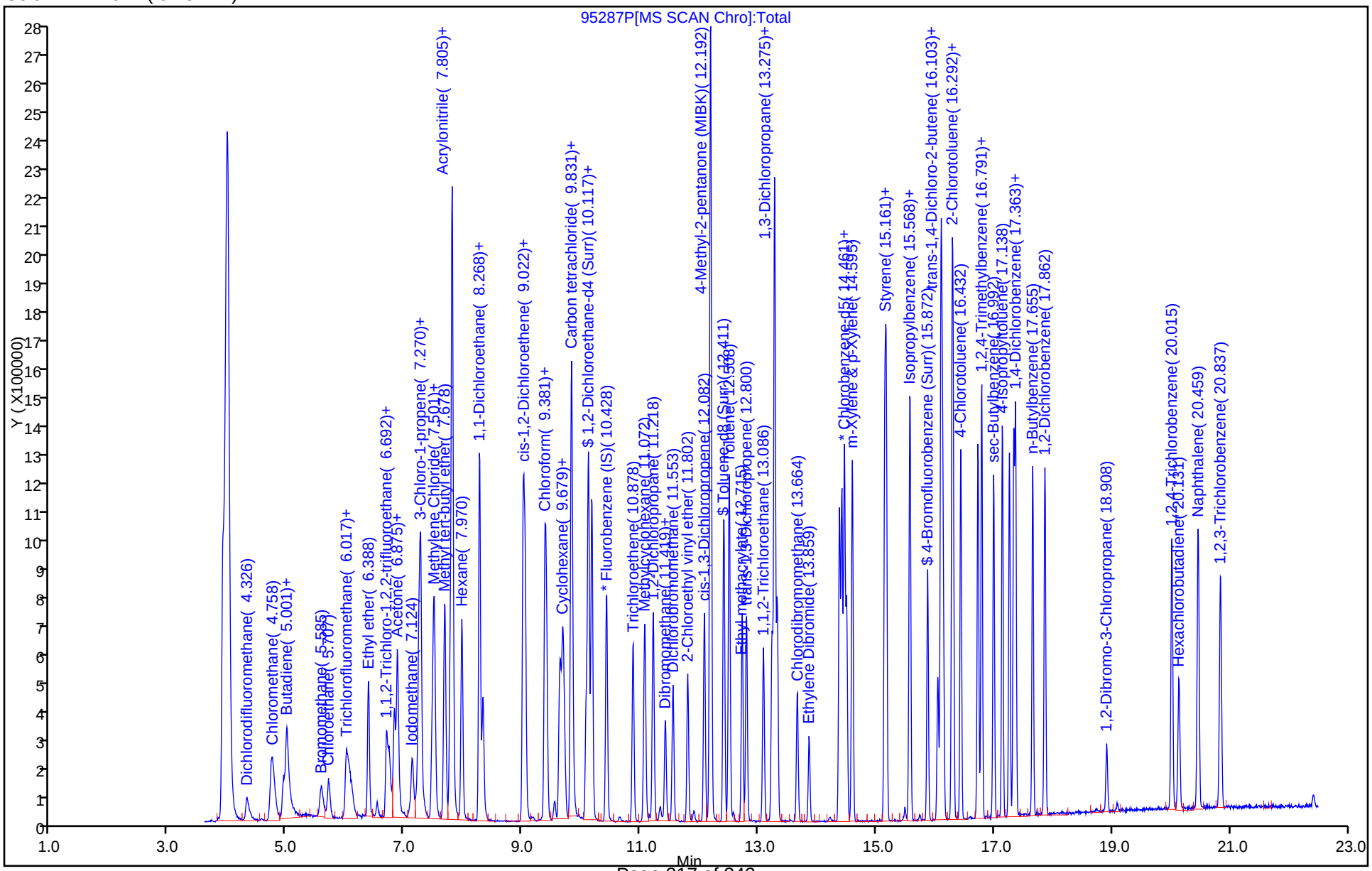
Report Date: 26-Dec-2017 19:31:08 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171226-68221.b\95287P.D

Injection Date:	26-Dec-2017 18:58:30	Instrument ID:	HP5973P	Operator ID:	AS
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260H2O	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.: 480-129453-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-393593/4

Matrix: Water | Lab File ID: S5959.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 20:08

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.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.3		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	22.4		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	25.2		1.0	0.23
75-34-3	1,1-Dichloroethane	23.6		1.0	0.38
75-35-4	1,1-Dichloroethene	18.1		1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	24.2		1.0	0.41
120-82-1	1,2,4-Trichlorobenzene	23.8		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		1.0	0.39
95-50-1	1,2-Dichlorobenzene	24.1		1.0	0.79
107-06-2	1,2-Dichloroethane	24.2		1.0	0.21
78-87-5	1,2-Dichloropropane	23.1		1.0	0.72
541-73-1	1,3-Dichlorobenzene	23.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.3		1.0	0.84
123-91-1	1,4-Dioxane	377		40	9.3
78-93-3	2-Butanone (MEK)	129		10	1.3
591-78-6	2-Hexanone	114		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	110		5.0	2.1
67-64-1	Acetone	152		10	3.0
71-43-2	Benzene	23.7		1.0	0.41
75-25-2	Bromoform	23.5		1.0	0.26
74-83-9	Bromomethane	28.3		1.0	0.69
75-15-0	Carbon disulfide	20.1		1.0	0.19
56-23-5	Carbon tetrachloride	20.7		1.0	0.27
108-90-7	Chlorobenzene	24.2		1.0	0.75
74-97-5	Chlorobromomethane	24.9		1.0	0.87
124-48-1	Chlorodibromomethane	23.9		1.0	0.32
75-00-3	Chloroethane	27.6		1.0	0.32
67-66-3	Chloroform	23.8		1.0	0.34
74-87-3	Chloromethane	27.0		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.0		1.0	0.81
110-82-7	Cyclohexane	18.0		1.0	0.18
75-27-4	Dichlorobromomethane	23.8		1.0	0.39
75-71-8	Dichlorodifluoromethane	27.3		1.0	0.68
100-41-4	Ethylbenzene	21.9		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-393593/4

Matrix: Water | Lab File ID: S5959.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/26/2017 20:08

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.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	23.9		1.0	0.73
98-82-8	Isopropylbenzene	20.1		1.0	0.79
79-20-9	Methyl acetate	42.7		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.4		1.0	0.16
108-87-2	Methylcyclohexane	19.9		1.0	0.16
75-09-2	Methylene Chloride	23.7		1.0	0.44
179601-23-1	m-Xylene & p-Xylene	22.5		2.0	0.66
95-47-6	o-Xylene	22.8		1.0	0.76
127-18-4	Tetrachloroethene	22.4		1.0	0.36
108-88-3	Toluene	22.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	22.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.1		1.0	0.37
79-01-6	Trichloroethene	22.4		1.0	0.46
75-69-4	Trichlorofluoromethane	20.8		1.0	0.88
75-01-4	Vinyl chloride	25.6		1.0	0.90
10061-01-5	cis-1,3-Dichloropropene	23.4		1.0	0.36
100-42-5	Styrene	24.2		1.0	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5959.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Dec-2017 20:08:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0068223-004
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Dec-2017 21:05:41 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: sonkera Date: 26-Dec-2017 21:06:35

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	5.546	5.546	0.000	98	106750	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.545	0.000	83	222784	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.918	0.000	50	239445	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	83	142245	25.0	26.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	85125	25.0	24.2	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	91	568157	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	92	184353	25.0	24.5	
10 Dichlorodifluoromethane	85	1.294	1.294	0.000	96	122594	25.0	27.3	
12 Chloromethane	50	1.476	1.483	-0.007	100	183204	25.0	27.0	
13 Vinyl chloride	62	1.568	1.562	0.006	89	154545	25.0	25.6	
151 Butadiene	54	1.592	1.586	0.006	89	172111	25.0	30.5	
14 Bromomethane	94	1.890	1.890	0.000	88	100762	25.0	28.3	
15 Chloroethane	64	1.981	1.975	0.006	95	97192	25.0	27.6	
16 Dichlorofluoromethane	67	2.206	2.207	-0.001	97	194990	25.0	24.5	
17 Trichlorofluoromethane	101	2.219	2.219	0.000	96	149415	25.0	20.8	
18 Ethyl ether	59	2.529	2.529	0.000	94	139074	25.0	26.3	
20 Acrolein	56	2.705	2.705	0.000	94	112089	125.0	93.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.736	2.730	0.006	64	76230	25.0	19.5	
22 1,1-Dichloroethene	96	2.748	2.748	0.000	95	91494	25.0	18.1	
23 Acetone	43	2.869	2.870	-0.001	98	330435	125.0	151.7	
25 Iodomethane	142	2.906	2.906	0.000	98	195409	25.0	23.5	
26 Carbon disulfide	76	2.949	2.949	0.000	98	297877	25.0	20.1	
28 3-Chloro-1-propene	41	3.125	3.125	0.000	88	196534	25.0	19.8	
27 Methyl acetate	43	3.174	3.174	0.000	96	242167	50.0	42.7	
30 Methylene Chloride	84	3.265	3.265	0.000	98	128926	25.0	23.7	
31 2-Methyl-2-propanol	59	3.435	3.435	0.000	96	139251	250.0	175.3	
32 Methyl tert-butyl ether	73	3.490	3.490	0.000	91	404260	25.0	24.4	
34 trans-1,2-Dichloroethene	96	3.508	3.502	0.006	94	114352	25.0	22.2	
33 Acrylonitrile	53	3.551	3.551	0.000	98	638902	250.0	242.7	
35 Hexane	57	3.715	3.709	0.006	90	163192	25.0	19.6	
39 1,1-Dichloroethane	63	3.928	3.922	0.006	97	222360	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.983	3.983	0.000	97	677495	50.0	50.2	
44 2,2-Dichloropropane	77	4.451	4.451	0.000	93	147930	25.0	22.7	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	82	139216	25.0	24.0	
43 2-Butanone (MEK)	43	4.518	4.518	0.000	94	439343	125.0	129.3	
48 Chlorobromomethane	128	4.719	4.719	0.000	96	71348	25.0	24.9	
49 Tetrahydrofuran	42	4.749	4.749	0.000	89	95347	50.0	39.1	
50 Chloroform	83	4.798	4.798	0.000	92	208364	25.0	23.8	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	96	162071	25.0	22.3	
52 Cyclohexane	56	4.926	4.932	-0.006	92	163511	25.0	18.0	
55 Carbon tetrachloride	117	5.060	5.060	0.000	92	139304	25.0	20.7	
54 1,1-Dichloropropene	75	5.072	5.072	0.000	92	146694	25.0	21.5	
57 Benzene	78	5.279	5.273	0.006	97	490695	25.0	23.7	
53 Isobutyl alcohol	43	5.279	5.279	0.000	52	167281	625.0	414.1	
58 1,2-Dichloroethane	62	5.339	5.333	0.006	94	195762	25.0	24.2	
59 n-Heptane	43	5.461	5.461	0.000	96	186502	25.0	19.8	
62 Trichloroethene	95	5.887	5.881	0.000	95	116624	25.0	22.4	
64 Methylcyclohexane	83	6.015	6.008	0.000	92	160599	25.0	19.9	
65 1,2-Dichloropropane	63	6.124	6.118	0.000	91	132103	25.0	23.1	
67 Dibromomethane	93	6.264	6.252	0.006	85	85812	25.0	26.0	
66 1,4-Dioxane	88	6.270	6.276	-0.006	30	30138	500.0	376.6	
68 Dichlorobromomethane	83	6.410	6.403	0.000	97	161930	25.0	23.8	
69 2-Chloroethyl vinyl ether	63	6.690	6.689	-0.006	92	86345	25.0	20.9	
72 cis-1,3-Dichloropropene	75	6.836	6.823	0.006	89	194701	25.0	23.4	
73 4-Methyl-2-pentanone (MIBK	43	6.976	6.976	0.000	97	824527	125.0	109.7	
74 Toluene	92	7.128	7.128	0.000	94	312455	25.0	22.5	
77 trans-1,3-Dichloropropene	75	7.396	7.396	0.000	97	185246	25.0	23.1	
75 Ethyl methacrylate	69	7.450	7.451	-0.001	71	175553	25.0	21.8	
79 1,1,2-Trichloroethane	83	7.590	7.591	0.000	90	99669	25.0	25.2	
81 Tetrachloroethene	166	7.663	7.664	0.000	93	138354	25.0	22.4	
82 1,3-Dichloropropane	76	7.748	7.755	-0.007	96	209044	25.0	23.9	
80 2-Hexanone	43	7.815	7.816	-0.001	95	610803	125.0	114.4	
83 Chlorodibromomethane	129	7.986	7.992	-0.006	87	127830	25.0	23.9	
84 Ethylene Dibromide	107	8.095	8.095	0.000	99	122103	25.0	23.9	
87 Chlorobenzene	112	8.576	8.576	0.000	93	378649	25.0	24.2	
88 Ethylbenzene	91	8.667	8.667	0.000	47	577831	25.0	21.9	
89 1,1,1,2-Tetrachloroethane	131	8.667	8.673	-0.006	45	130908	25.0	23.3	
90 m-Xylene & p-Xylene	106	8.789	8.789	0.000	0	226643	25.0	22.5	
91 o-Xylene	106	9.215	9.215	0.000	98	224369	25.0	22.8	
92 Styrene	104	9.245	9.245	0.000	94	401777	25.0	24.2	
95 Bromoform	173	9.488	9.489	-0.001	97	80363	25.0	23.5	
94 Isopropylbenzene	105	9.598	9.598	0.000	95	550516	25.0	20.1	
101 Bromobenzene	156	9.939	9.939	0.000	92	167591	25.0	23.0	
97 1,1,2,2-Tetrachloroethane	83	9.981	9.981	0.000	88	157156	25.0	22.4	
100 1,2,3-Trichloropropane	110	10.018	10.018	0.000	51	53597	25.0	22.3	
99 N-Propylbenzene	91	10.018	10.024	-0.006	98	653495	25.0	20.3	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.030	0.006	39	37187	25.0	20.5	
103 2-Chlorotoluene	126	10.121	10.121	0.000	96	144727	25.0	20.9	
102 1,3,5-Trimethylbenzene	105	10.200	10.194	0.006	82	483925	25.0	20.8	
105 4-Chlorotoluene	126	10.231	10.237	-0.006	95	154307	25.0	22.2	
106 tert-Butylbenzene	134	10.510	10.511	-0.001	92	111960	25.0	20.4	
107 1,2,4-Trimethylbenzene	105	10.565	10.565	0.000	77	512963	25.0	21.3	
109 sec-Butylbenzene	105	10.723	10.724	-0.001	92	584888	25.0	20.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	75	322039	25.0	23.2	
110 4-Isopropyltoluene	119	10.863	10.857	0.006	96	540946	25.0	20.9	
113 1,4-Dichlorobenzene	146	10.942	10.943	-0.001	95	332800	25.0	23.3	
115 n-Butylbenzene	91	11.240	11.241	-0.001	97	464609	25.0	20.5	
116 1,2-Dichlorobenzene	146	11.289	11.289	0.000	93	319811	25.0	24.1	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.013	0.000	74	27599	25.0	17.1	
119 1,2,4-Trichlorobenzene	180	12.694	12.689	0.005	94	226291	25.0	23.8	
120 Hexachlorobutadiene	225	12.804	12.790	0.000	96	97602	25.0	21.6	
121 Naphthalene	128	12.901	12.888	0.000	97	552770	25.0	22.3	
122 1,2,3-Trichlorobenzene	180	13.102	13.088	0.000	95	221567	25.0	24.2	

Reagents:

GAS CORP mix_00257	Amount Added: 12.50	Units: uL	
8260 CORP mix_00117	Amount Added: 12.50	Units: uL	
S_8260_IS_00275	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00244	Amount Added: 1.00	Units: uL	Run Reagent

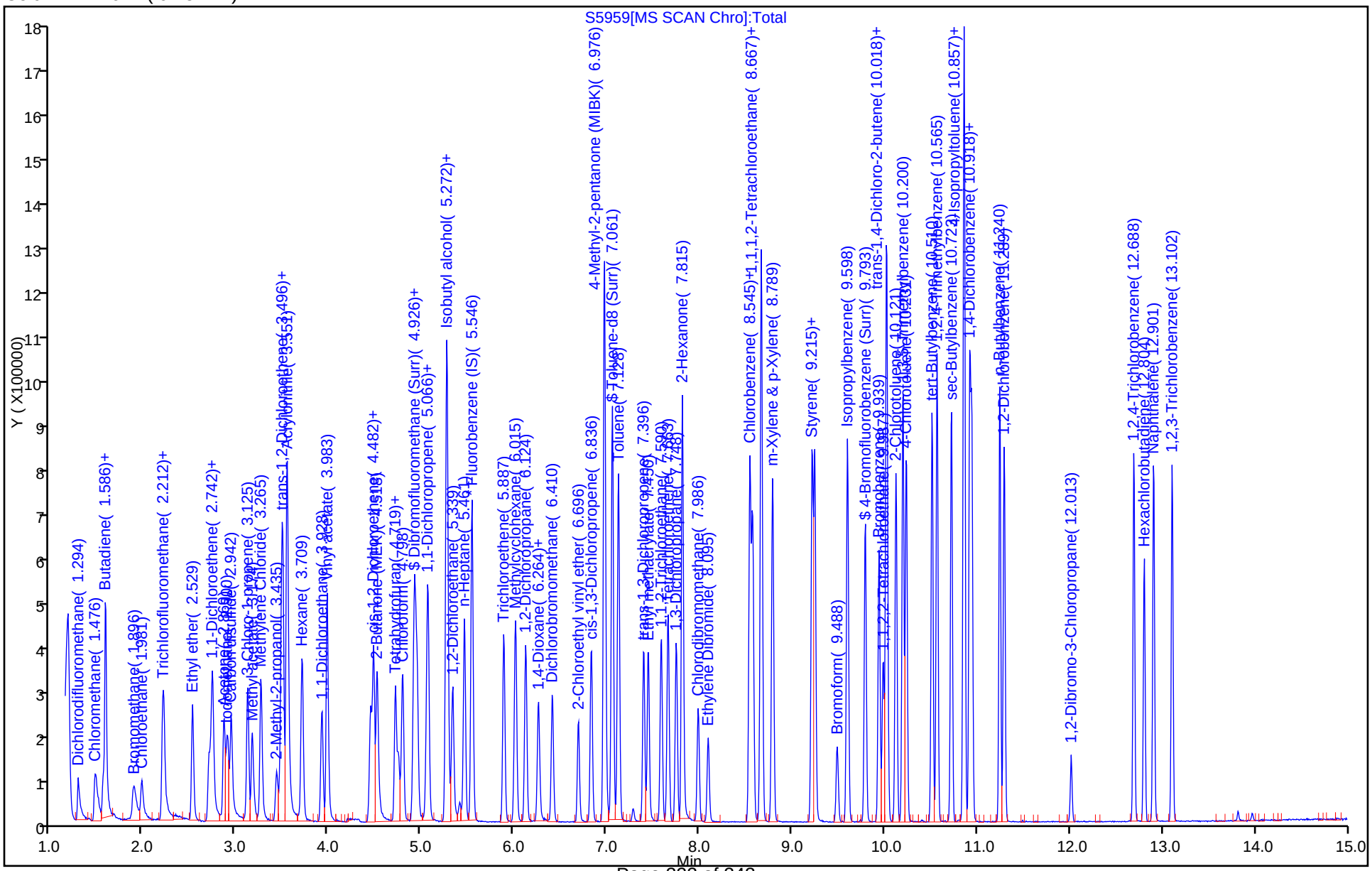
Report Date: 26-Dec-2017 21:06:35 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5959.D

Injection Date:	26-Dec-2017 20:08:30	Instrument ID:	HP5973S	Operator ID:	AS
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)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-48C-122117 MS | Lab Sample ID: 480-129453-1 MS

Matrix: Water | Lab File ID: S5969.D

Analysis Method: 8260C | Date Collected: 12/21/2017 12:45

Sample wt/vol: 5(mL) | Date Analyzed: 12/27/2017 00:18

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.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.8		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.0		1.0	0.31
79-00-5	1,1,2-Trichloroethane	26.8		1.0	0.23
75-34-3	1,1-Dichloroethane	27.7		1.0	0.38
75-35-4	1,1-Dichloroethene	21.2		1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	26.2		1.0	0.41
120-82-1	1,2,4-Trichlorobenzene	27.4		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	17.7		1.0	0.39
95-50-1	1,2-Dichlorobenzene	29.8		1.0	0.79
107-06-2	1,2-Dichloroethane	24.2		1.0	0.21
78-87-5	1,2-Dichloropropane	27.7		1.0	0.72
541-73-1	1,3-Dichlorobenzene	27.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	27.1		1.0	0.84
123-91-1	1,4-Dioxane	346		40	9.3
78-93-3	2-Butanone (MEK)	125		10	1.3
591-78-6	2-Hexanone	109		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	110		5.0	2.1
67-64-1	Acetone	123		10	3.0
71-43-2	Benzene	41.8		1.0	0.41
75-25-2	Bromoform	29.4		1.0	0.26
74-83-9	Bromomethane	25.0		1.0	0.69
75-15-0	Carbon disulfide	22.4		1.0	0.19
56-23-5	Carbon tetrachloride	22.1		1.0	0.27
108-90-7	Chlorobenzene	29.8		1.0	0.75
74-97-5	Chlorobromomethane	28.9		1.0	0.87
124-48-1	Chlorodibromomethane	26.0		1.0	0.32
75-00-3	Chloroethane	22.6		1.0	0.32
67-66-3	Chloroform	26.9		1.0	0.34
74-87-3	Chloromethane	32.3		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	29.4		1.0	0.81
110-82-7	Cyclohexane	23.7		1.0	0.18
75-27-4	Dichlorobromomethane	25.2		1.0	0.39
75-71-8	Dichlorodifluoromethane	21.0		1.0	0.68
100-41-4	Ethylbenzene	27.9		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-48C-122117 MS | Lab Sample ID: 480-129453-1 MS

Matrix: Water | Lab File ID: S5969.D

Analysis Method: 8260C | Date Collected: 12/21/2017 12:45

Sample wt/vol: 5(mL) | Date Analyzed: 12/27/2017 00:18

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.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	26.0		1.0	0.73
98-82-8	Isopropylbenzene	24.5		1.0	0.79
79-20-9	Methyl acetate	45.2		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.5		1.0	0.16
108-87-2	Methylcyclohexane	23.6		1.0	0.16
75-09-2	Methylene Chloride	26.8		1.0	0.44
179601-23-1	m-Xylene & p-Xylene	28.8		2.0	0.66
95-47-6	o-Xylene	29.4		1.0	0.76
127-18-4	Tetrachloroethene	33.3		1.0	0.36
108-88-3	Toluene	26.6		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	28.4		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.3		1.0	0.37
79-01-6	Trichloroethene	30.5		1.0	0.46
75-69-4	Trichlorofluoromethane	14.3		1.0	0.88
75-01-4	Vinyl chloride	26.6		1.0	0.90
10061-01-5	cis-1,3-Dichloropropene	25.5		1.0	0.36
100-42-5	Styrene	30.1		1.0	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
2037-26-5	Toluene-d8 (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5969.D
Lims ID: 480-129453-B-1 MS
Client ID:
Sample Type: MS
Inject. Date: 27-Dec-2017 00:18:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-129453-B-1 MS
Misc. Info.: 480-0068223-015
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2018 14:14:27 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: farrellr Date: 27-Dec-2017 08:55:31

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	5.546	5.546	0.000	98	94512	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.546	8.545	0.001	83	206613	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.918	0.000	48	241760	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.950	4.956	-0.006	80	122047	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.260	5.266	-0.006	0	71674	25.0	23.0	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	91	506910	25.0	24.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	91	190447	25.0	27.3	
10 Dichlorodifluoromethane	85	1.294	1.294	0.000	97	82925	25.0	21.0	
12 Chloromethane	50	1.476	1.483	-0.007	100	194559	25.0	32.3	
13 Vinyl chloride	62	1.568	1.562	0.006	66	142225	25.0	26.6	
14 Bromomethane	94	1.896	1.890	0.006	82	78795	25.0	25.0	
15 Chloroethane	64	1.981	1.975	0.006	93	70409	25.0	22.6	
17 Trichlorofluoromethane	101	2.219	2.219	0.000	96	89201	25.0	14.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.736	2.730	0.006	69	72710	25.0	21.0	
22 1,1-Dichloroethene	96	2.748	2.748	0.000	93	95465	25.0	21.2	
23 Acetone	43	2.870	2.870	0.000	100	236424	125.0	122.6	
26 Carbon disulfide	76	2.943	2.949	-0.006	99	294484	25.0	22.4	
27 Methyl acetate	43	3.174	3.174	0.000	96	226704	50.0	45.2	
30 Methylene Chloride	84	3.265	3.265	0.000	98	129494	25.0	26.8	
32 Methyl tert-butyl ether	73	3.490	3.490	0.000	89	358899	25.0	24.5	
34 trans-1,2-Dichloroethene	96	3.502	3.502	0.000	88	129067	25.0	28.4	
39 1,1-Dichloroethane	63	3.922	3.922	0.000	97	231197	25.0	27.7	
45 cis-1,2-Dichloroethene	96	4.488	4.482	0.006	78	151039	25.0	29.4	
43 2-Butanone (MEK)	43	4.518	4.518	0.000	94	375828	125.0	124.9	
48 Chlorobromomethane	128	4.719	4.725	0.000	96	73359	25.0	28.9	
50 Chloroform	83	4.798	4.798	0.000	83	208336	25.0	26.9	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	95	152501	25.0	23.7	
52 Cyclohexane	56	4.932	4.932	0.000	92	190706	25.0	23.7	
55 Carbon tetrachloride	117	5.060	5.060	0.000	89	131545	25.0	22.1	
57 Benzene	78	5.273	5.273	0.000	98	768100	25.0	41.8	
58 1,2-Dichloroethane	62	5.340	5.333	0.007	85	173257	25.0	24.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
62 Trichloroethene	95	5.887	5.887	0.000	91	140985	25.0	30.5	
64 Methylcyclohexane	83	6.015	6.015	0.000	92	168291	25.0	23.6	
65 1,2-Dichloropropane	63	6.124	6.124	0.000	93	140614	25.0	27.7	
66 1,4-Dioxane	88	6.283	6.276	0.007	59	25530	500.0	345.7	
68 Dichlorobromomethane	83	6.416	6.410	0.006	98	151687	25.0	25.2	
72 cis-1,3-Dichloropropene	75	6.830	6.830	0.000	90	188266	25.0	25.5	
73 4-Methyl-2-pentanone (MIBK	43	6.976	6.976	0.000	97	769143	125.0	110.3	
74 Toluene	92	7.128	7.128	0.000	94	342579	25.0	26.6	
77 trans-1,3-Dichloropropene	75	7.396	7.396	0.000	95	173263	25.0	23.3	
79 1,1,2-Trichloroethane	83	7.584	7.591	-0.006	91	98353	25.0	26.8	
81 Tetrachloroethene	166	7.663	7.664	0.000	92	190815	25.0	33.3	
80 2-Hexanone	43	7.816	7.816	0.000	94	541271	125.0	109.3	
83 Chlorodibromomethane	129	7.986	7.992	-0.006	87	128957	25.0	26.0	
84 Ethylene Dibromide	107	8.095	8.096	0.000	98	123265	25.0	26.0	
87 Chlorobenzene	112	8.576	8.576	0.000	94	433592	25.0	29.8	
88 Ethylbenzene	91	8.667	8.667	0.000	46	680866	25.0	27.9	
90 m-Xylene & p-Xylene	106	8.795	8.789	0.006	0	269084	25.0	28.8	
91 o-Xylene	106	9.215	9.215	0.000	97	268949	25.0	29.4	
92 Styrene	104	9.245	9.245	0.000	95	463284	25.0	30.1	
95 Bromoform	173	9.489	9.489	0.000	96	93319	25.0	29.4	
94 Isopropylbenzene	105	9.598	9.598	0.000	96	676758	25.0	24.5	
97 1,1,2,2-Tetrachloroethane	83	9.981	9.981	0.000	89	168421	25.0	23.8	
111 1,3-Dichlorobenzene	146	10.857	10.858	0.000	72	383566	25.0	27.4	
113 1,4-Dichlorobenzene	146	10.943	10.943	0.000	95	390590	25.0	27.1	
116 1,2-Dichlorobenzene	146	11.289	11.289	0.000	93	398652	25.0	29.8	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.013	0.000	69	28894	25.0	17.7	
119 1,2,4-Trichlorobenzene	180	12.689	12.689	0.000	92	262717	25.0	27.4	
122 1,2,3-Trichlorobenzene	180	13.102	13.108	0.000	94	242001	25.0	26.2	

Reagents:

GAS CORP mix_00257	Amount Added: 12.50	Units: uL	
8260 CORP mix_00117	Amount Added: 12.50	Units: uL	
S_8260_IS_00275	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00244	Amount Added: 1.00	Units: uL	Run Reagent

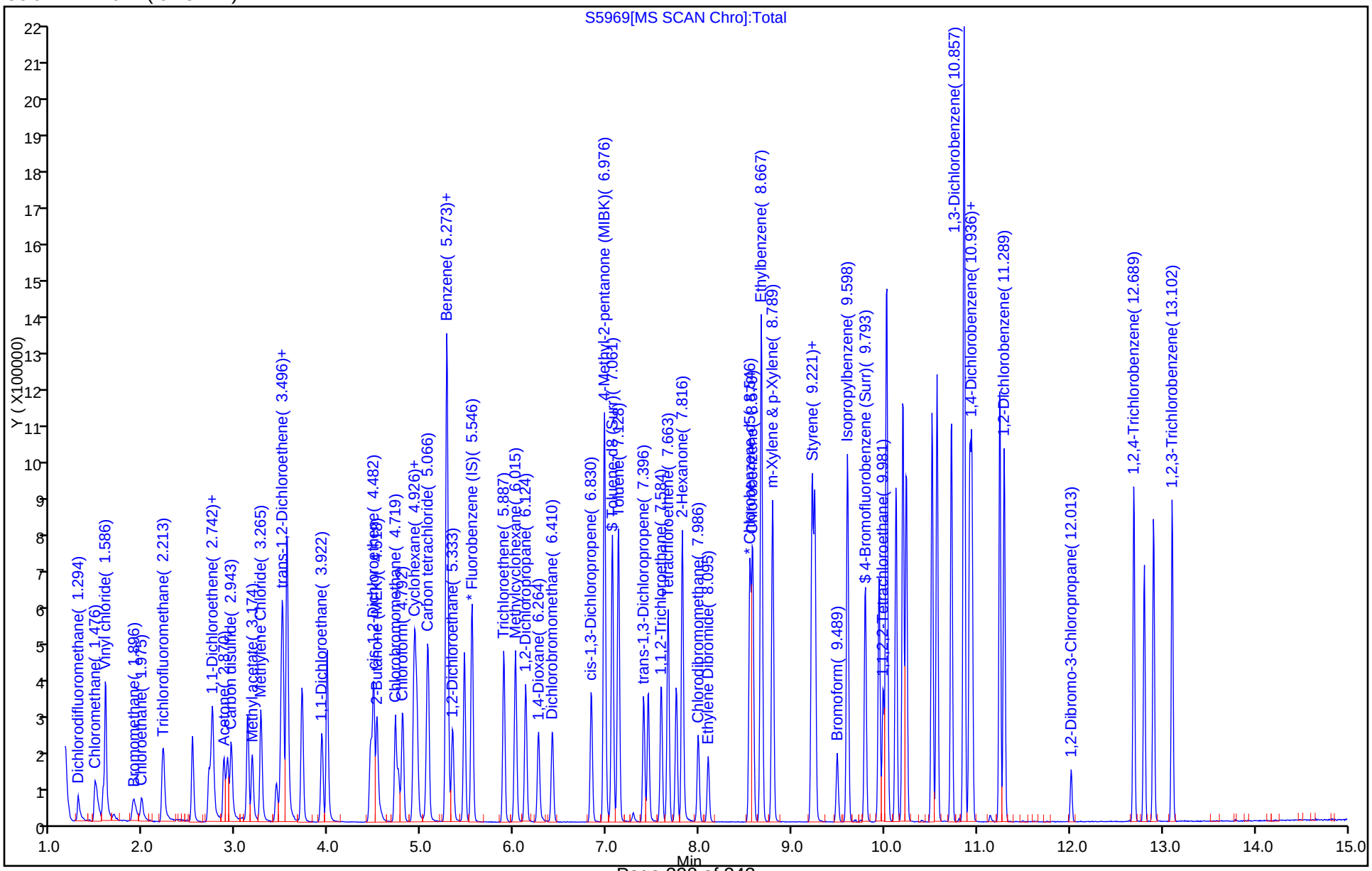
Report Date: 08-Jan-2018 14:14:43 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5969.D

Injection Date:	27-Dec-2017 00:18:30	Instrument ID:	HP5973S	Operator ID:	AS
Lims ID:	480-129453-B-1 MS			Worklist Smp#:	15
Client ID:					
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)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-48C-122117 MSD | Lab Sample ID: 480-129453-1 MSD

Matrix: Water | Lab File ID: S5970.D

Analysis Method: 8260C | Date Collected: 12/21/2017 12:45

Sample wt/vol: 5(mL) | Date Analyzed: 12/27/2017 00:41

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.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.5		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.1		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.1		1.0	0.31
79-00-5	1,1,2-Trichloroethane	26.8		1.0	0.23
75-34-3	1,1-Dichloroethane	27.3		1.0	0.38
75-35-4	1,1-Dichloroethene	19.9		1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	27.1		1.0	0.41
120-82-1	1,2,4-Trichlorobenzene	27.8		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	17.7		1.0	0.39
95-50-1	1,2-Dichlorobenzene	29.6		1.0	0.79
107-06-2	1,2-Dichloroethane	26.4		1.0	0.21
78-87-5	1,2-Dichloropropane	25.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	27.5		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.9		1.0	0.84
123-91-1	1,4-Dioxane	353		40	9.3
78-93-3	2-Butanone (MEK)	120		10	1.3
591-78-6	2-Hexanone	112		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	111		5.0	2.1
67-64-1	Acetone	126		10	3.0
71-43-2	Benzene	39.8		1.0	0.41
75-25-2	Bromoform	27.1		1.0	0.26
74-83-9	Bromomethane	28.7		1.0	0.69
75-15-0	Carbon disulfide	21.8		1.0	0.19
56-23-5	Carbon tetrachloride	24.7		1.0	0.27
108-90-7	Chlorobenzene	28.6		1.0	0.75
74-97-5	Chlorobromomethane	28.0		1.0	0.87
124-48-1	Chlorodibromomethane	26.3		1.0	0.32
75-00-3	Chloroethane	26.9		1.0	0.32
67-66-3	Chloroform	27.8		1.0	0.34
74-87-3	Chloromethane	29.0		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27.9		1.0	0.81
110-82-7	Cyclohexane	21.7		1.0	0.18
75-27-4	Dichlorobromomethane	26.7		1.0	0.39
75-71-8	Dichlorodifluoromethane	20.0		1.0	0.68
100-41-4	Ethylbenzene	26.7		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-129453-1

SDG No.:

Client Sample ID: MW-48C-122117 MSD | Lab Sample ID: 480-129453-1 MSD

Matrix: Water | Lab File ID: S5970.D

Analysis Method: 8260C | Date Collected: 12/21/2017 12:45

Sample wt/vol: 5(mL) | Date Analyzed: 12/27/2017 00:41

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.: 393593 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	26.6		1.0	0.73
98-82-8	Isopropylbenzene	24.3		1.0	0.79
79-20-9	Methyl acetate	41.3		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.6		1.0	0.16
108-87-2	Methylcyclohexane	23.2		1.0	0.16
75-09-2	Methylene Chloride	25.8		1.0	0.44
179601-23-1	m-Xylene & p-Xylene	27.3		2.0	0.66
95-47-6	o-Xylene	27.4		1.0	0.76
127-18-4	Tetrachloroethene	32.8		1.0	0.36
108-88-3	Toluene	27.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	27.6		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.8		1.0	0.37
79-01-6	Trichloroethene	30.2		1.0	0.46
75-69-4	Trichlorofluoromethane	15.5		1.0	0.88
75-01-4	Vinyl chloride	23.9		1.0	0.90
10061-01-5	cis-1,3-Dichloropropene	25.0		1.0	0.36
100-42-5	Styrene	28.0		1.0	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5970.D
Lims ID: 480-129453-B-1 MSD
Client ID:
Sample Type: MSD
Inject. Date: 27-Dec-2017 00:41:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-129453-B-1 MSD
Misc. Info.: 480-0068223-016
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2018 14:14:27 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: farrellr Date: 27-Dec-2017 08:56:03

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	5.546	5.546	0.000	98	107730	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.546	8.545	0.001	85	217470	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.918	0.000	50	239321	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	82	138085	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.266	0.001	0	84084	25.0	23.7	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	91	552863	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	92	181302	25.0	24.7	
10 Dichlorodifluoromethane	85	1.300	1.294	0.006	94	89471	25.0	20.0	
12 Chloromethane	50	1.483	1.483	0.000	99	198747	25.0	29.0	
13 Vinyl chloride	62	1.574	1.562	0.012	90	145039	25.0	23.9	
14 Bromomethane	94	1.896	1.890	0.006	87	103134	25.0	28.7	
15 Chloroethane	64	1.988	1.975	0.013	97	95454	25.0	26.9	
17 Trichlorofluoromethane	101	2.219	2.219	0.000	84	110882	25.0	15.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.736	2.730	0.006	75	87349	25.0	22.1	
22 1,1-Dichloroethene	96	2.748	2.748	0.000	99	102158	25.0	19.9	
23 Acetone	43	2.870	2.870	0.000	98	276758	125.0	125.9	
26 Carbon disulfide	76	2.949	2.949	0.000	99	325370	25.0	21.8	
27 Methyl acetate	43	3.174	3.174	0.000	95	235979	50.0	41.3	
30 Methylene Chloride	84	3.271	3.265	0.006	99	141790	25.0	25.8	
32 Methyl tert-butyl ether	73	3.496	3.490	0.006	91	411188	25.0	24.6	
34 trans-1,2-Dichloroethene	96	3.508	3.502	0.006	95	142945	25.0	27.6	
39 1,1-Dichloroethane	63	3.928	3.922	0.006	97	259668	25.0	27.3	
45 cis-1,2-Dichloroethene	96	4.488	4.482	0.006	80	163292	25.0	27.9	
43 2-Butanone (MEK)	43	4.524	4.518	0.006	93	411122	125.0	119.9	
48 Chlorobromomethane	128	4.725	4.725	0.006	97	80885	25.0	28.0	
50 Chloroform	83	4.798	4.798	0.000	83	244790	25.0	27.8	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	96	194690	25.0	26.5	
52 Cyclohexane	56	4.932	4.932	0.000	93	198486	25.0	21.7	
55 Carbon tetrachloride	117	5.060	5.060	0.000	90	167903	25.0	24.7	
57 Benzene	78	5.279	5.273	0.006	98	833770	25.0	39.8	
58 1,2-Dichloroethane	62	5.340	5.333	0.007	80	215591	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
62 Trichloroethene	95	5.887	5.887	0.000	96	159029	25.0	30.2	
64 Methylcyclohexane	83	6.015	6.015	0.000	95	188364	25.0	23.2	
65 1,2-Dichloropropane	63	6.124	6.124	0.000	92	149381	25.0	25.8	
66 1,4-Dioxane	88	6.276	6.276	0.000	31	27447	500.0	352.7	
68 Dichlorobromomethane	83	6.410	6.410	0.000	97	183284	25.0	26.7	
72 cis-1,3-Dichloropropene	75	6.836	6.830	0.006	88	209921	25.0	25.0	
73 4-Methyl-2-pentanone (MIBK	43	6.976	6.976	0.000	98	817973	125.0	111.5	
74 Toluene	92	7.128	7.128	0.000	94	369889	25.0	27.3	
77 trans-1,3-Dichloropropene	75	7.402	7.396	0.006	95	201458	25.0	25.8	
79 1,1,2-Trichloroethane	83	7.590	7.591	0.000	92	103627	25.0	26.8	
81 Tetrachloroethene	166	7.663	7.664	0.000	93	197811	25.0	32.8	
80 2-Hexanone	43	7.816	7.816	0.000	95	581178	125.0	111.5	
83 Chlorodibromomethane	129	7.986	7.992	-0.006	89	137017	25.0	26.3	
84 Ethylene Dibromide	107	8.095	8.096	0.000	99	132667	25.0	26.6	
87 Chlorobenzene	112	8.576	8.576	0.000	95	437471	25.0	28.6	
88 Ethylbenzene	91	8.667	8.667	0.000	36	687524	25.0	26.7	
90 m-Xylene & p-Xylene	106	8.789	8.789	0.000	0	268162	25.0	27.3	
91 o-Xylene	106	9.215	9.215	0.000	98	263370	25.0	27.4	
92 Styrene	104	9.245	9.245	0.000	95	453539	25.0	28.0	
95 Bromoform	173	9.489	9.489	0.000	96	90294	25.0	27.1	
94 Isopropylbenzene	105	9.598	9.598	0.000	95	663911	25.0	24.3	
97 1,1,2,2-Tetrachloroethane	83	9.981	9.981	0.000	87	161963	25.0	23.1	
111 1,3-Dichlorobenzene	146	10.857	10.858	0.000	72	381464	25.0	27.5	
113 1,4-Dichlorobenzene	146	10.943	10.943	0.000	94	384286	25.0	26.9	
116 1,2-Dichlorobenzene	146	11.289	11.289	0.000	93	391902	25.0	29.6	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.013	0.000	75	28573	25.0	17.7	
119 1,2,4-Trichlorobenzene	180	12.689	12.689	-0.001	91	263300	25.0	27.8	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.006	96	248015	25.0	27.1	

Reagents:

GAS CORP mix_00257	Amount Added: 12.50	Units: uL	
8260 CORP mix_00117	Amount Added: 12.50	Units: uL	
S_8260_IS_00275	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00244	Amount Added: 1.00	Units: uL	Run Reagent

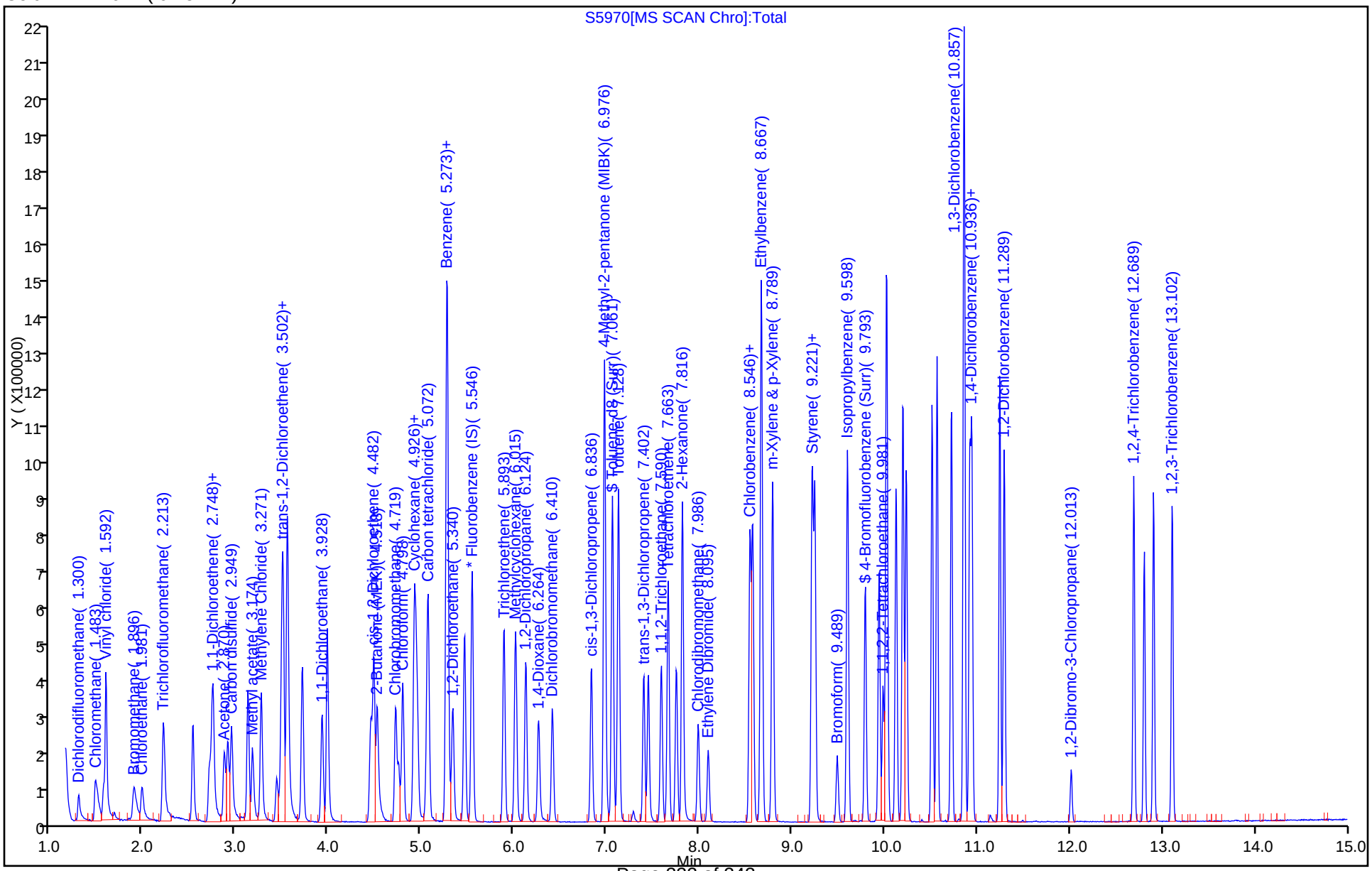
Report Date: 08-Jan-2018 14:14:44 Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171226-68223.b\S5970.D

Injection Date:	27-Dec-2017 00:41:30	Instrument ID:	HP5973S	Operator ID:	AS
Lims ID:	480-129453-B-1 MSD			Worklist Smp#:	16
Client ID:					
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)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/05/2017 12:30

Analysis Batch Number: 390433 End Date: 12/06/2017 08:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-390433/5		12/05/2017 12:30	1	94696P.D	ZB-624 (60) 0.25(mm)
IC 480-390433/7		12/05/2017 13:31	1	94698P.D	ZB-624 (60) 0.25(mm)
IC 480-390433/8		12/05/2017 13:59	1	94699P.D	ZB-624 (60) 0.25(mm)
IC 480-390433/9		12/05/2017 14:27	1	94700P.D	ZB-624 (60) 0.25(mm)
IC 480-390433/10		12/05/2017 14:54	1	94701P.D	ZB-624 (60) 0.25(mm)
ICIS 480-390433/11		12/05/2017 15:21	1	94702P.D	ZB-624 (60) 0.25(mm)
IC 480-390433/12		12/05/2017 16:00	1	94703P.D	ZB-624 (60) 0.25(mm)
IC 480-390433/13		12/05/2017 16:27	1	94704P.D	ZB-624 (60) 0.25(mm)
IC 480-390433/15		12/05/2017 17:22	1		ZB-624 (60) 0.25(mm)
IC 480-390433/16		12/05/2017 17:49	1		ZB-624 (60) 0.25(mm)
IC 480-390433/17		12/05/2017 18:16	1		ZB-624 (60) 0.25(mm)
IC 480-390433/18		12/05/2017 18:44	1		ZB-624 (60) 0.25(mm)
IC 480-390433/19		12/05/2017 19:11	1		ZB-624 (60) 0.25(mm)
IC 480-390433/20		12/05/2017 19:38	1		ZB-624 (60) 0.25(mm)
IC 480-390433/21		12/05/2017 20:06	1		ZB-624 (60) 0.25(mm)
MDLV 480-390433/23		12/05/2017 21:01	1		ZB-624 (60) 0.25(mm)
MDLV 480-390433/24		12/05/2017 21:28	1		ZB-624 (60) 0.25(mm)
ICV 480-390433/25		12/06/2017 08:04	1		ZB-624 (60) 0.25(mm)
ICV 480-390433/26		12/06/2017 08:32	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/26/2017 17:35

Analysis Batch Number: 393586 End Date: 12/27/2017 03:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-393586/2		12/26/2017 17:35	1	95284P.D	ZB-624 (60) 0.25(mm)
CCVIS 480-393586/3		12/26/2017 18:03	1	95285P.D	ZB-624 (60) 0.25(mm)
CCV 480-393586/8		12/26/2017 18:30	1		ZB-624 (60) 0.25(mm)
LCS 480-393586/4		12/26/2017 18:58	1	95287P.D	ZB-624 (60) 0.25(mm)
RL 480-393586/5		12/26/2017 19:25	1		ZB-624 (60) 0.25(mm)
MB 480-393586/6		12/26/2017 19:52	1	95289P.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/26/2017 20:29	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/26/2017 20:56	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/26/2017 21:23	1		ZB-624 (60) 0.25(mm)
480-129453-7		12/26/2017 21:51	1	95293P.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/26/2017 23:12	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/26/2017 23:39	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/27/2017 00:07	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/27/2017 00:34	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/27/2017 01:01	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/27/2017 01:28	8		ZB-624 (60) 0.25(mm)
ZZZZZ		12/27/2017 01:56	4		ZB-624 (60) 0.25(mm)
ZZZZZ		12/27/2017 02:23	2		ZB-624 (60) 0.25(mm)
ZZZZZ		12/27/2017 02:50	2		ZB-624 (60) 0.25(mm)
ZZZZZ		12/27/2017 03:17	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/27/2017 03:44	10		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Instrument ID: HP5973S Start Date: 11/05/2017 18:55

Analysis Batch Number: 385713 End Date: 11/06/2017 04:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-385713/6		11/05/2017 18:55	1	S3867.D	ZB-624 (20) 0.18(mm)
IC 480-385713/8		11/05/2017 19:42	1	S3869.D	ZB-624 (20) 0.18(mm)
IC 480-385713/9		11/05/2017 20:05	1	S3870.D	ZB-624 (20) 0.18(mm)
IC 480-385713/10		11/05/2017 20:28	1	S3871.D	ZB-624 (20) 0.18(mm)
IC 480-385713/11		11/05/2017 20:52	1	S3872.D	ZB-624 (20) 0.18(mm)
IC 480-385713/12		11/05/2017 21:15	1	S3873.D	ZB-624 (20) 0.18(mm)
ICIS 480-385713/13		11/05/2017 21:38	1	S3874.D	ZB-624 (20) 0.18(mm)
IC 480-385713/14		11/05/2017 22:01	1	S3875.D	ZB-624 (20) 0.18(mm)
IC 480-385713/15		11/05/2017 22:24	1	S3876.D	ZB-624 (20) 0.18(mm)
IC 480-385713/20		11/06/2017 00:20	1		ZB-624 (20) 0.18(mm)
IC 480-385713/21		11/06/2017 00:44	1		ZB-624 (20) 0.18(mm)
IC 480-385713/22		11/06/2017 01:07	1		ZB-624 (20) 0.18(mm)
IC 480-385713/23		11/06/2017 01:30	1		ZB-624 (20) 0.18(mm)
IC 480-385713/24		11/06/2017 01:53	1		ZB-624 (20) 0.18(mm)
IC 480-385713/25		11/06/2017 02:16	1		ZB-624 (20) 0.18(mm)
IC 480-385713/26		11/06/2017 02:40	1		ZB-624 (20) 0.18(mm)
ICV 480-385713/29		11/06/2017 03:49	1		ZB-624 (20) 0.18(mm)
ICV 480-385713/30		11/06/2017 04:12	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/26/2017 18:56

Analysis Batch Number: 393593 End Date: 12/27/2017 00:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-393593/1		12/26/2017 18:56	1	S5956.D	ZB-624 (20) 0.18(mm)
CCVIS 480-393593/2		12/26/2017 19:21	1	S5957.D	ZB-624 (20) 0.18(mm)
CCV 480-393593/3		12/26/2017 19:45	1		ZB-624 (20) 0.18(mm)
LCS 480-393593/4		12/26/2017 20:08	1	S5959.D	ZB-624 (20) 0.18(mm)
RL 480-393593/5		12/26/2017 20:31	1		ZB-624 (20) 0.18(mm)
MB 480-393593/6		12/26/2017 20:54	1	S5961.D	ZB-624 (20) 0.18(mm)
480-129453-1		12/26/2017 21:35	1	S5962.D	ZB-624 (20) 0.18(mm)
480-129453-2		12/26/2017 21:59	2	S5963.D	ZB-624 (20) 0.18(mm)
480-129453-3		12/26/2017 22:22	1	S5964.D	ZB-624 (20) 0.18(mm)
480-129453-4		12/26/2017 22:45	1	S5965.D	ZB-624 (20) 0.18(mm)
480-129453-5		12/26/2017 23:08	1	S5966.D	ZB-624 (20) 0.18(mm)
480-129453-6		12/26/2017 23:31	1	S5967.D	ZB-624 (20) 0.18(mm)
480-129453-8		12/26/2017 23:55	1	S5968.D	ZB-624 (20) 0.18(mm)
480-129453-1 MS		12/27/2017 00:18	1	S5969.D	ZB-624 (20) 0.18(mm)
480-129453-1 MSD		12/27/2017 00:41	1	S5970.D	ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Batch Number: 393586 Batch Start Date: 12/26/17 17:35 Batch Analyst: Sonker, Alexander R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00117	BFB_WRK 00066	GAS CORP mix 00256
BFB 480-393586/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-393586/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-393586/4		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-393586/6		8260C		5 mL	5 mL				
480-129453-B-7	TB-122117	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	P 8260 IS 00276	P 8260 Surr. 00257	AnalysisComment			
BFB 480-393586/2		8260C							
CCVIS 480-393586/3		8260C		1.25 uL	1.25 uL	Gas mix does not expire until midnight.			
LCS 480-393586/4		8260C		1.25 uL	1.25 uL	Gas mix does not expire until midnight.			
MB 480-393586/6		8260C		1.25 uL	1.25 uL				
480-129453-B-7	TB-122117	8260C	T	1.25 uL	1.25 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.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Batch Number: 393593 Batch Start Date: 12/26/17 18:56 Batch Analyst: Sonker, Alexander R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00117	BFB_WRK 00066	GAS CORP mix 00257
BFB 480-393593/1		8260C		1 uL	1 uL			1 uL	
CCVIS 480-393593/2		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-393593/4		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-393593/6		8260C		5 mL	5 mL				
480-129453-B-1	MW-48C-122117	8260C	T	5 mL	5 mL	<2 SU			
480-129453-B-2	MW-37C-122117	8260C	T	5 mL	5 mL	<2 SU			
480-129453-B-3	MW-28C-122117	8260C	T	5 mL	5 mL	<2 SU			
480-129453-B-4	DUP-122117	8260C	T	5 mL	5 mL	<2 SU			
480-129453-B-5	MW-28D-122117	8260C	T	5 mL	5 mL	<2 SU			
480-129453-B-6	MW-47C-122117	8260C	T	5 mL	5 mL	<2 SU			
480-129453-B-8	MW-46C-122117	8260C	T	5 mL	5 mL	<2 SU			
480-129453-B-1 MS	MW-48C-122117	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-129453-B-1 MSD	MW-48C-122117	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 00275	S_8260_Surr 00244				
BFB 480-393593/1		8260C							
CCVIS 480-393593/2		8260C		1 uL	1 uL				
LCS 480-393593/4		8260C		1 uL	1 uL				
MB 480-393593/6		8260C		1 uL	1 uL				
480-129453-B-1	MW-48C-122117	8260C	T	1 uL	1 uL				
480-129453-B-2	MW-37C-122117	8260C	T	1 uL	1 uL				
480-129453-B-3	MW-28C-122117	8260C	T	1 uL	1 uL				
480-129453-B-4	DUP-122117	8260C	T	1 uL	1 uL				
480-129453-B-5	MW-28D-122117	8260C	T	1 uL	1 uL				
480-129453-B-6	MW-47C-122117	8260C	T	1 uL	1 uL				
480-129453-B-8	MW-46C-122117	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.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129453-1

SDG No.:

Batch Number: 393593 Batch Start Date: 12/26/17 18:56 Batch Analyst: Sonker, Alexander R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00275	S_8260_Surr 00244				
480-129453-B-1 MS	MW-48C-122117	8260C	T	1 uL	1 uL				
480-129453-B-1 MSD	MW-48C-122117	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

TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

480501-Albany

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Brian Jankauskas	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-91390-57626.1
Client Contact: Mr. Brian Jankauskas	Phone: 518-402-9626	E-Mail: melissa.haas@testamericainc.com		Page: Page 1 of 1
Company: New York State D.E.C.				Job #:
Address: 625 Broadway 9th Floor	Due Date Requested:			
City: Albany	TAT Requested (days): 10			
State, Zip: NY, 12233-7258				
Phone: 518-402-9626(Tel)	PO #: Site # 130107 Farmingdale Plaza Cleaners			
Email: brian.jankauskas@dec.ny.gov	WO #: Callout # 134211			
Project Name: DEC Farmingdale Plaza Cleaners #130107	Project #: 46009084			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - Target Compound List for VOCs updated SO	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	A	X	
MW-48C-122117	12/21/17	1245	G	Water	N	N	3	3	
MW-37C-122117	12/21/17	1305	G	Water	N	N	3	3	
MW-28C-122117	12/21/17	1330	G	Water	N	N	3	3	
DUP-122117	12/21/17	—	G	Water	N	N	3	3	
MW-28D-122117	12/21/17	1340	G	Water	N	N	3	3	
MW-47C-122117	12/21/17	1400	G	Water	N	N	3	3	
TB-122117	12/21/17	—	G	Water	N	N	2	2	Trip Blank
MW-46C-122117	12/21/17	1445	G	Water	N	N	3	3	

480-129453 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NYSDEC EDD Cat A

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	12/22/17 545	NYSDEC	Karl Zoder	12-22-17 0945	TA
Karl Zoder	12-22-17 1800	TA		12/23/19 1000	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #12.6

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-129453-1

Login Number: 129453 **List Source: TestAmerica Buffalo**
List Number: 1
Creator: Harper, Marcus D

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.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	NYDEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-156566-1

Job Description: DEC Farmingdale Plaza Cleaners #130107

Contract Number: C008010

For:
New York State D.E.C.
625 Broadway 9th Floor
Albany, NY 12233-7258

Attention: Mr. Brian Jankauskas

Approved for release.
Thomas A Chupela
Project Management Assistant I
5/31/2018 2:11 PM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
05/31/2018

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

Job Number: 460-156566-1

Job Description: DEC Farmingdale Plaza Cleaners #130107

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

Approved for release.
Thomas A Chupela
Project Management Assistant I
5/31/2018 2:11 PM

Designee for
Melissa Haas

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC Farmingdale Plaza Cleaners #130107

Report Number: 460-156566-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

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

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

RECEIPT

The samples were received on 5/19/2018 1:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.4º C and 4.6º C.

Receipt Exceptions

Received three containers for each sample not two as listed on COC.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-28C-5-16-18 (460-156566-1), MW-28D-5-16-18 (460-156566-2), TB-5-16-18 (460-156566-3), EB-5-16-18 (460-156566-4) and Dup-5-16-18 (460-156566-5) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 05/30/2018.

The continuing calibration verification (CCV) analyzed in batch 460-523478 was outside the method criteria for the following analytes: Chloromethane (bias high) and Bromoform (bias low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 460-156566-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-156566-1	**MW-28C-5-16-18**					
1,1-Dichloroethane		0.27	J	1.0	ug/L	8260C
1,2-Dichlorobenzene		1.2		1.0	ug/L	8260C
Chlorobenzene		0.43	J	1.0	ug/L	8260C
Methyl tert-butyl ether		15		1.0	ug/L	8260C
Tetrachloroethene		46		1.0	ug/L	8260C
Trichloroethene		0.86	J	1.0	ug/L	8260C
460-156566-2	**MW-28D-5-16-18**					
1,1,2,2-Tetrachloroethane		0.29	J	1.0	ug/L	8260C
1,1,2-Trichloroethane		0.80	J	1.0	ug/L	8260C
1,1-Dichloroethane		1.9		1.0	ug/L	8260C
1,1-Dichloroethene		1.1		1.0	ug/L	8260C
1,2-Dichloroethane		0.33	J	1.0	ug/L	8260C
Chloroform		0.44	J	1.0	ug/L	8260C
Tetrachloroethene		60		1.0	ug/L	8260C
Trichloroethene		0.51	J	1.0	ug/L	8260C
460-156566-3TB	**TB-5-16-18**					
Methylene Chloride		0.30	J	1.0	ug/L	8260C
460-156566-4EB	**EB-5-16-18**					
Methylene Chloride		0.51	J	1.0	ug/L	8260C
460-156566-5	**DUP-5-16-18**					
1,2-Dichlorobenzene		1.2		1.0	ug/L	8260C
Chlorobenzene		0.41	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		0.28	J	1.0	ug/L	8260C
Methyl tert-butyl ether		15		1.0	ug/L	8260C
Tetrachloroethene		46		1.0	ug/L	8260C
Trichloroethene		0.91	J	1.0	ug/L	8260C

METHOD SUMMARY

Client: New York State D.E.C. Job Number: 460-156566-1

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

Lab References:

TAL EDI = TestAmerica Edison

Method References:

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

METHOD / ANALYST SUMMARY

Client: New York State D.E.C. Job Number: 460-156566-1

Method	Analyst	Analyst ID
SW846 8260C	Tupayachi, Audberto	AAT

SAMPLE SUMMARY

Client: New York State D.E.C. Job Number: 460-156566-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-156566-1	MW-28C-5-16-18	Water	05/16/2018 1405	05/19/2018 1340
460-156566-2	MW-28D-5-16-18	Water	05/16/2018 1425	05/19/2018 1340
460-156566-3TB	TB-5-16-18	Water	05/16/2018 0000	05/19/2018 1340
460-156566-4EB	EB-5-16-18	Water	05/16/2018 1445	05/19/2018 1340
460-156566-5	Dup-5-16-18	Water	05/16/2018 0000	05/19/2018 1340

SAMPLE RESULTS

Client: New York State D.E.C. Job Number: 460-156566-1

Client Sample ID: **MW-28C-5-16-18**

Lab Sample ID: 460-156566-1 Date Sampled: 05/16/2018 1405
Client Matrix: Water Date Received: 05/19/2018 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N672038.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0812			Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0812				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	0.27	J	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.2		0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	0.43	J	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	15		0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	46		0.12	1.0
Toluene	1.0	U	0.25	1.0

Client: New York State D.E.C. Job Number: 460-156566-1

Client Sample ID: **MW-28C-5-16-18**

Lab Sample ID: 460-156566-1 Date Sampled: 05/16/2018 1405
Client Matrix: Water Date Received: 05/19/2018 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N672038.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0812			Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0812				

Analyte	Result (ug/L)	Qualifier	MDL	RL
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	0.86	J	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		74 - 132
4-Bromofluorobenzene	92		77 - 124
Dibromofluoromethane (Surr)	93		72 - 131
Toluene-d8 (Surr)	94		80 - 120

Client: New York State D.E.C. Job Number: 460-156566-1

Client Sample ID: **MW-28D-5-16-18**

Lab Sample ID: 460-156566-2 Date Sampled: 05/16/2018 1425
Client Matrix: Water Date Received: 05/19/2018 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N672039.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0835			Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0835				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.29	J	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	0.80	J	0.080	1.0
1,1-Dichloroethane	1.9		0.24	1.0
1,1-Dichloroethene	1.1		0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	0.33	J	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	0.44	J	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	60		0.12	1.0
Toluene	1.0	U	0.25	1.0

Client: New York State D.E.C. Job Number: 460-156566-1

Client Sample ID: **MW-28D-5-16-18**

Lab Sample ID: 460-156566-2 Date Sampled: 05/16/2018 1425
Client Matrix: Water Date Received: 05/19/2018 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N672039.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0835			Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0835				

Analyte	Result (ug/L)	Qualifier	MDL	RL
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	0.51	J	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		74 - 132
4-Bromofluorobenzene	94		77 - 124
Dibromofluoromethane (Surr)	94		72 - 131
Toluene-d8 (Surr)	95		80 - 120

Client: New York State D.E.C. Job Number: 460-156566-1

Client Sample ID: TB-5-16-18

Lab Sample ID: 460-156566-3TB Date Sampled: 05/16/2018 0000
Client Matrix: Water Date Received: 05/19/2018 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N672036.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0725			Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0725				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	0.30	J	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.25	1.0

Client: New York State D.E.C. Job Number: 460-156566-1

Client Sample ID: TB-5-16-18

Lab Sample ID: 460-156566-3TB Date Sampled: 05/16/2018 0000
Client Matrix: Water Date Received: 05/19/2018 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N672036.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0725			Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0725				

Analyte	Result (ug/L)	Qualifier	MDL	RL
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		74 - 132
4-Bromofluorobenzene	91		77 - 124
Dibromofluoromethane (Surr)	95		72 - 131
Toluene-d8 (Surr)	97		80 - 120

Client: New York State D.E.C. Job Number: 460-156566-1

Client Sample ID: EB-5-16-18

Lab Sample ID: 460-156566-4EB Date Sampled: 05/16/2018 1445
Client Matrix: Water Date Received: 05/19/2018 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N672037.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0748			Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0748				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	0.51	J	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.25	1.0

Client: New York State D.E.C. Job Number: 460-156566-1

Client Sample ID: EB-5-16-18

Lab Sample ID: 460-156566-4EB Date Sampled: 05/16/2018 1445
Client Matrix: Water Date Received: 05/19/2018 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N672037.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0748			Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0748				

Analyte	Result (ug/L)	Qualifier	MDL	RL
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		74 - 132
4-Bromofluorobenzene	90		77 - 124
Dibromofluoromethane (Surr)	93		72 - 131
Toluene-d8 (Surr)	93		80 - 120

Client: New York State D.E.C. Job Number: 460-156566-1

Client Sample ID: **Dup-5-16-18**

Lab Sample ID: 460-156566-5 Date Sampled: 05/16/2018 0000
Client Matrix: Water Date Received: 05/19/2018 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N672040.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0858			Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0858				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.2		0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	0.41	J	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	0.28	J	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	15		0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	46		0.12	1.0
Toluene	1.0	U	0.25	1.0

Client: New York State D.E.C. Job Number: 460-156566-1

Client Sample ID: **Dup-5-16-18**

Lab Sample ID: 460-156566-5 Date Sampled: 05/16/2018 0000
Client Matrix: Water Date Received: 05/19/2018 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N672040.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0858			Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0858				

Analyte	Result (ug/L)	Qualifier	MDL	RL
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	0.91	J	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		74 - 132
4-Bromofluorobenzene	82		77 - 124
Dibromofluoromethane (Surr)	84		72 - 131
Toluene-d8 (Surr)	83		80 - 120

DATA REPORTING QUALIFIERS

Client: New York State D.E.C. Job Number: 460-156566-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.

QUALITY CONTROL RESULTS

Client: New York State D.E.C. Job Number: 460-156566-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-523478					
LCS 460-523478/3	Lab Control Sample	T	Water	8260C	
LCSD 460-523478/4	Lab Control Sample Duplicate	T	Water	8260C	
MB 460-523478/7	Method Blank	T	Water	8260C	
460-156566-1	MW-28C-5-16-18	T	Water	8260C	
460-156566-2	MW-28D-5-16-18	T	Water	8260C	
460-156566-3TB	TB-5-16-18	T	Water	8260C	
460-156566-4EB	EB-5-16-18	T	Water	8260C	
460-156566-5	Dup-5-16-18	T	Water	8260C	

Report Basis
T = Total

Client: New York State D.E.C. Job Number: 460-156566-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-156566-1	MW-28C-5-16-18	96	92	93	94
460-156566-2	MW-28D-5-16-18	96	94	94	95
460-156566-3	TB-5-16-18	95	91	95	97
460-156566-4	EB-5-16-18	96	90	93	93
460-156566-5	Dup-5-16-18	85	82	84	83
MB 460-523478/7		88	84	87	88
LCS 460-523478/3		92	91	90	89
LCSD 460-523478/4		82	83	85	82

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	74-132
BFB = 4-Bromofluorobenzene	77-124
DBFM = Dibromofluoromethane (Surr)	72-131
TOL = Toluene-d8 (Surr)	80-120

Client: New York State D.E.C. Job Number: 460-156566-1

Method Blank - Batch: 460-523478

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-523478/7	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N672033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0615	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0615				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	1.0	U	0.12	1.0

Client: New York State D.E.C. Job Number: 460-156566-1

Method Blank - Batch: 460-523478

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-523478/7	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N672033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0615	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0615				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	74 - 132
4-Bromofluorobenzene	84	77 - 124
Dibromofluoromethane (Surr)	87	72 - 131
Toluene-d8 (Surr)	88	80 - 120

Client: New York State D.E.C. Job Number: 460-156566-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-523478

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 460-523478/3	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N672029.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0442	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0442				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-523478/4	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N672030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0506	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0506				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	99	86	75 - 125	15	30		
1,1,2,2-Tetrachloroethane	88	78	74 - 120	12	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	104	95	59 - 150	9	30		
1,1,2-Trichloroethane	92	84	78 - 120	9	30		
1,1-Dichloroethane	100	88	77 - 123	14	30		
1,1-Dichloroethene	94	87	74 - 123	8	30		
1,2,3-Trichlorobenzene	94	82	78 - 131	13	30		
1,2,4-Trichlorobenzene	97	87	80 - 124	11	30		
1,2-Dibromo-3-Chloropropane	75	65	55 - 134	13	30		
1,2-Dichlorobenzene	98	87	80 - 120	12	30		
1,2-Dichloroethane	97	87	76 - 121	11	30		
1,2-Dichloropropane	100	88	77 - 123	12	30		
1,3-Dichlorobenzene	99	87	80 - 120	12	30		
1,4-Dichlorobenzene	99	86	80 - 120	13	30		
2-Butanone (MEK)	97	78	64 - 120	22	30		
2-Hexanone	101	84	71 - 125	18	30		
4-Methyl-2-pentanone (MIBK)	100	83	78 - 124	18	30		
Acetone	95	77	39 - 150	21	30		
Benzene	100	88	77 - 121	13	30		
Bromoform	76	62	53 - 120	19	30		
Bromomethane	109	96	10 - 150	12	30		
Carbon disulfide	98	87	69 - 133	12	30		
Carbon tetrachloride	91	78	70 - 132	15	30		
Chlorobenzene	96	86	80 - 120	11	30		
Chlorobromomethane	93	85	77 - 127	9	30		
Chlorodibromomethane	85	76	73 - 120	11	30		
Chloroethane	103	92	52 - 150	12	30		
Chloroform	100	90	80 - 120	11	30		
Chloromethane	105	94	56 - 131	11	30		
cis-1,2-Dichloroethene	100	88	80 - 120	13	30		
cis-1,3-Dichloropropene	95	83	77 - 120	13	30		
Cyclohexane	110	98	56 - 150	12	30		
Dichlorobromomethane	94	82	76 - 120	14	30		
Dichlorodifluoromethane	94	94	50 - 131	0	30		
Ethylbenzene	98	86	80 - 120	13	30		

Client: New York State D.E.C. Job Number: 460-156566-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-523478

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 460-523478/3	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N672029.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0442	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0442				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-523478/4	Analysis Batch:	460-523478	Instrument ID:	CVOAMS11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N672030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2018 0506	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/30/2018 0506				5 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ethylene Dibromide	89	84	80 - 120	6	30		
Isopropylbenzene	96	86	80 - 123	12	30		
Methyl acetate	94	82	66 - 144	13	30		
Methyl tert-butyl ether	97	91	79 - 122	6	30		
Methylcyclohexane	99	90	61 - 145	10	30		
Methylene Chloride	96	89	77 - 123	7	30		
m-Xylene & p-Xylene	96	88	80 - 120	9	30		
o-Xylene	96	84	80 - 120	13	30		
Styrene	96	86	80 - 120	10	30		
Tetrachloroethene	97	88	78 - 122	9	30		
Toluene	97	86	80 - 120	12	30		
trans-1,2-Dichloroethene	102	92	79 - 120	10	30		
trans-1,3-Dichloropropene	96	84	76 - 120	13	30		
Trichloroethene	95	87	77 - 120	9	30		
Trichlorofluoromethane	109	94	71 - 143	15	30		
Vinyl chloride	104	87	62 - 138	18	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	82	74 - 132
4-Bromofluorobenzene	91	83	77 - 124
Dibromofluoromethane (Surr)	90	85	72 - 131
Toluene-d8 (Surr)	89	82	80 - 120

TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

480501-Albany

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-97600-62062.1
Client Contact: Mr. Brian Jankauskas	Phone:	E-Mail: melissa.haas@testamericainc.com		Page: Page 1 of 1
Company: New York State D.E.C.				Job #: 166666
Address: 625 Broadway 9th Floor	Due Date Requested:			
City: Albany	TAT Requested (days):			
State, Zip: NY, 12233-7258				
Phone: 518-402-9626(Tel)	PO #: Site # 130107 Farmingdale Plaza Cleaners			
Email: brian.jankauskas@dec.ny.gov	WO #: Callout # 134725			
Project Name: DEC Farmingdale Plaza Cleaners #130107	Project #: 46009084			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - Target Compound List for VOCs updated SO	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-28C-5-16-18	5/16/18	1405	G	Water	N	N	2	2	1
MW-28D-5-16-18	5/16/18	1425	G	Water	N	N	2	2	2
TB-5-16-18	5/16/18	—	—	Water	N	N	2	2	3
EB-5-16-18	5/16/18	1445	G	Water	N	N	2	2	4
DUP-5-16-18	5/16/18	—	G	Water	N	N	2	2	5

5-17-18

460-156566 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NYSDEC EDD CATA

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/17/18 1654	NYSDEC		5-17-18 16:54	TA Edison
Relinquished by: Jim Koller	Date/Time: 5-18-18 1800	Company TA Albany	Received by: Kelly Jones via FedEx Sat	Date/Time: 5/19/18 1340	Company TA Edison
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 040553, 040554	Cooler Temperature(s) °C and Other Remarks: 3.4, 4.6° IR#11

Ver: 08/04/2016

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 166566

Number of Coolers: 2 IR Gun # 2

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.4 °C	3.4 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	4.6 °C	4.6 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 6/22/2016

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 460-156566-1

Login Number: 156566 **List Source: TestAmerica Edison**
List Number: 1
Creator: Meyers, Gary

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	040553/040554
Sample custody seals, if present, are 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 containers received 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.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.