



January 17, 2020

Kyle Forster
Environmental Engineer
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A
625 Broadway
Albany, NY 12233-7015

**RE: NYSDEC Site No. 241123, Former Cleaners Products Supplies, 50-45 Barnett Avenue, Sunnyside—
Expanded Supplemental Groundwater Investigation**

Dear Mr. Forster:

This letter presents and summarizes field activities and associated laboratory data conducted by Environmental Assessment & Remediations (EAR) at the above referenced site in response to directives outlined in NYSDEC Standby Contractor Authorization Form, Callout ID: 136653, dated January 10, 2019. The callout's scope of work included installation and development of three monitoring wells, survey of installed monitoring wells, and collection of groundwater samples from select offsite monitoring wells for analysis of volatile organic compounds (VOCs). A site location map has been provided as Figure 1 and a site map has been included as Figure 2.

Monitoring Well Installation & Development

Three monitoring wells (MWs), MW-10 – MW-12, were installed between June 17, 2019 and June 19, 2019 via hollow-stem auger drilling method. The MWs were screened at the water table interface, which varied at each location based upon topography. Each MW was constructed of 2-inch diameter, schedule 40 PVC casing and included 15 feet of 2-inch diameter, 0.020-inch slotted PVC screen. Each well was finished at grade with 8-inch, steel, bolt-down manhole, set in a concrete pad. Drilling Logs have been included in Appendix A.

During the installation of MW-12, stained soil possessing an odor was encountered at approximately 20 – 21 feet below grade. As requested by the NYSDEC, soil from this interval was retained for analysis and submitted to a NYSDEC standby contracted laboratory (TestAmerica, Inc.) for analysis of TCLP volatile organic compounds (VOCs) via EPA Method 8260. Analytical results have been tabulated and included in Table 1.

Development of MW-10 – MW-12 was completed on October 8, 2019. Each well was developed via over pumping with a submersible pump until turbidity readings were below 50 NTU.

Monitoring Well Survey

A monitoring well survey was conducted on August 13, 2019 by New York State licensed surveyors, Ferrantello Land Surveying, P.C. The survey included MW-10 – MW-12 and existing site wells MW-5, MW-6, and MW-105S. Geospatial coordinates (X, Y) were reported using Long Island State Plane coordinates and WGS84 datum. Elevation was reported using NAVD88. Survey data has been tabulated in Table 2 and the survey report has been included in Appendix B.



Groundwater Sampling Event

Groundwater sampling was conducted by EAR on November 5, 2019. During the event, samples were collected from seven monitoring wells: MW-5, MW-6, MW-10 – MW-12, MW-104S, and MW-104D. Well locations are shown in Figure 1.

At each location sampled, depth to water was measured and the volume of standing water was calculated. Each well was purged utilizing a peristaltic pump with dedicated silicone and polyethylene tubing. Purge water was screened using a YSI multi-parameter probe with a flow-thru cell. All wells were purged a minimum of one well volume with purging continuing until values for temperature, pH, and oxidation/reduction potential (ORP) reached stabilization. These parameters, as well as dissolved oxygen and specific conductivity, were recorded prior to sample collection. Well gauging data and field screening results are provided in Tables 3 and 4 respectively.

Samples collected for laboratory analysis were placed into appropriate, laboratory-provided containers and immediately placed in a cooler with ice to maintain a temperature no greater than 4 degrees Celsius. A total of 10 water samples (including 1 blind duplicate, 1 MS, and 1 MSD) were submitted to TestAmerica, Inc. for analysis of VOCs via EPA Method 8260. All samples were submitted for standard 10-day turnaround time.

Waste Disposal

Waste material generated during monitoring well installation, development, and groundwater sampling events were contained in labeled 55-gallon drums at the time of each event and staged onsite for pickup and appropriate disposal by NYSDEC's standby waste disposal contractor, Island Pump and Tank Corp. Four drums of soil were generated from the installation of monitoring wells MW-10 – MW-12 and were removed from the site on September 24, 2019. Four drums of well development wastewater were generated during well development activities and 1 drum of purge water was generated from the groundwater sampling event. A total of 5 wastewater drums were removed from the site on December 13, 2019. Waste profile analytical reports, NYSDEC provided Contained-In Determination letters, and disposal manifests from each event have been compiled and included as Appendix C.

Hydrogeology

Based on observations during drilling activities throughout the project area, the lithology consists of unconsolidated sands. Depth to water ranges from approximately 7 – 25 feet below grade surface (bgs). According to available USGS groundwater elevation maps¹, the regional groundwater flow direction appears to possess a northern component. A section of the USGS groundwater elevation map is included in Figure 3.

A summary of gauging data collected during the period covered in this report has been included in Table 5. Using select water level measurements collected on December 4, 2019, localized hydraulic gradient and groundwater flow direction were calculated using US EPA's Hydraulic Gradient Calculator². Results have been tabulated below.

Date Collected	Included Well Data	Excluded Well Data	Localized Hydraulic Gradient	Groundwater Flow Direction (degrees from north)	R ² Coefficient
12/04/19	MW-5, MW-6, MW-10, MW-11, & MW-12	MW-104S & MW-104D	5.0×10^{-4}	62.16 (northeast)	0.881
12/04/19	MW-6, MW-10, MW-11, & MW-12	MW-5, MW-104S, & MW-104D	5.6×10^{-4}	60.51 (northeast)	0.992

¹ Como, M.D., Noll, M.L., Finkelstein, J.S., Monti, Jack, Jr., and Busciolano, Ronald (2015). Water-table and potentiometric-surface altitudes in the Upper Glacial, Magothy, and Lloyd aquifers of Long Island, New York, April-May 2013. U.S. Geological Survey Scientific Investigations Map 3326, 4 sheets, scale 1:125,000, 6-p. text, <http://dx.doi.org/10.3133/sim3326>

² EPA On-Line Tools for Site Assessment Calculation: Hydraulic Gradient – Magnitude and Direction. U.S. Environmental Protection Agency. <https://www3.epa.gov/ceampubl/learn2model/part-two/onsite/gradient4plus-ns.html>



Based on data tabulated above, the groundwater table surface can be described as flat and a flow direction of northeast was observed. Groundwater elevation contour maps have been generated from this data and are included in Figures 4 and 5.

Groundwater Sampling Results

Laboratory analytical results are presented in Table 6, which includes TOGS 1.1.1 Class GA water quality standard and guidance values³. A blind duplicate comparison has been summarized in Table 7.

Five analytes were detected at laboratory estimated concentrations and at concentrations above their respective laboratory reporting limits. Of these, exceedances of NYSDEC TOGS 1.1.1 water quality standard/guidance values were reported for cis-1,2 dichloroethene, trans-1,2 dichloroethene, tetrachloroethene, and trichloroethylene. All results were compared to NYSDEC TOGS 1.1.1 water quality standards/guidance values. Analytical results for select contaminants of concern have been posted to a site map and included as Figure 6.

Laboratory analytical reports have been included in Appendix D.

DUSR Preparation and Upload to NYENVDATA

Data validation services were requested by the NYSDEC for samples requiring Category B deliverables. These services were provided by EAR and included DUSR generation and EQuIS EDD file validation. The DUSR indicated no rejections of the data and reported it as usable for intended purposes. DUSR have been included in Appendix E.

Laboratory analytical and well location data was compiled into EQuIS EDD file packages and submitted to NYENVDATA on December 19, 2019.

Should you have any questions regarding the activities or data detailed in this report, please feel free to contact me at (631) 447-6400, extension 152.

Sincerely,

Stephen Goetz
Project Manager

³ NYSDEC Division of Water Technical & Operational Guidance Series 1.1.1 – Ambient Water Quality Standards and Guidance Values, Class GA (groundwater)



TABLES

TABLE 1

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123



ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

Analytical Results (mg/L)

TestAmerica, Inc.

Method: TCLP, EPA Method 8260C

Location	Depth (feet below grade)	Date Collected	1,1 Dichloroethene	1,2 Dichloroethane	Benzene	Carbon Tetrachloride	Chlorobenzene	Chloroform	Methyl Ethyl Ketone	Tetrachloroethene	Total BTEX	Trichloroethylene	Vinyl Chloride
MW-12	20 – 21	06/18/19	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01

TABLE 2

Former Cleaners Products Supply
 50-45 Barnett Avenue
 Sunnyside, NY
 NYSDEC Site #241123



ENVIRONMENTAL
 ASSESSMENT &
 REMEDIATIONS

Survey Data
 August 13, 2019

Station	Location	Northing	Easting	Elevation (feet)
MW-5	Well Riser	212818.63	1009364.19	37.51
	Manhole Cover	212818.59	1009364.19	37.74
MW-6	Well Riser	212471.26	1009225.44	45.72
	Manhole Cover	212471.21	1009225.52	45.94
MW-10	Well Riser	212329.75	1009543.05	47.80
	Manhole Cover	212329.67	1009542.82	47.96
MW-11	Well Riser	212148.55	1009231.17	52.26
	Manhole Cover	212148.49	1009231.18	52.69
MW-12	Well Riser	213058.88	1009299.76	36.51
	Manhole Cover	213058.74	1009299.80	37.06
MW-105S	Well Riser	212460.82	1009021.15	48.53
	Manhole Cover	212460.71	1009021.18	48.76

Notes:

Horizontal Datum: WGS84, Long Island State Plane

Vertical Datum: NAVD88

Survey conducted by Ferrantello Land Surveying, P.C.

TABLE 3

Former Cleaners Products Supply
 50-45 Barnett Avenue
 Sunnyside, NY
 NYSDEC Site #241123



ENVIRONMENTAL
 ASSESSMENT &
 REMEDIATIONS

EAR Liquid Level Measurements & Groundwater Elevation
November 5, 2019

Station	Depth (feet below grade)	Casing Elevation* (feet)	Date Collected	DTW (feet below grade)	TWD (feet below grade)	Groundwater Elevation (feet)
MW-5	10-25	37.51	11/05/19	10.24	24.90	27.27
MW-6	15-30	45.72	11/05/19	-	-	-
MW-10	14-29	47.80	11/05/19	20.01	27.65	27.79
MW-11	17-32	52.26	11/05/19	24.35	30.65	27.91
MW-12	5-20	36.51	11/05/19	8.91	19.72	27.60
MW-104S	24-34	-	11/05/19	-	-	-
MW-104D	52-62	-	11/05/19	-	-	-

Notes:

Unable to gauge MW-6, MW-104S, and MW-104D due to equipment malfunction.

*Casing elevation data from August 2019 survey provided.

TABLE 4

Former Cleaners Products Supply
 50-45 Barnett Avenue
 Sunnyside, NY
 NYSDEC Site #241123



ENVIRONMENTAL
 ASSESSMENT &
 REMEDIATIONS

EAR Field Measurements
 November 5, 2019

Location	Date Collected	Dissolved Oxygen (mg/L)	Temperature (°C)	pH*	ORP (Oxidation Reduction Potential) (mV)	Conductivity (µS)
MW-5	11/05/19	3.22	17.95	-	125.4	999
MW-6	11/05/19	5.15	17.74	-	159.5	677
MW-10	11/05/19	6.07	17.45	-	161.0	586
MW-11	11/05/19	5.46	16.50	-	164.8	1,989
MW-12	11/05/19	1.01	17.63	-	83.3	797
MW-104D	11/05/19	3.67	16.74	-	136.7	1,578
MW-104S	11/05/19	1.13	17.72	-	104.0	1,198

Notes:

*pH probe malfunctioned during sampling event, unable to report parameter.

TABLE 5

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123



ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

EAR Liquid Level Measurements & Groundwater Elevation

Station	Depth (feet below grade)	Casing Elevation* (feet)	Date Collected	DTW (feet below grade)	TWD (feet below grade)	Groundwater Elevation (feet)
MW-5	10-25	37.51	11/05/19	10.24	24.90	27.27
			12/04/19	9.50	25.21	28.01
MW-6	15-30	45.72	11/05/19	-	-	-
			12/04/19	17.62	30.09	28.10
MW-10	14-29	47.80	06/19/19	18.25	27.91	29.55
			10/08/19	19.50	28.91	28.30
			11/05/19	20.01	27.65	27.79
			12/04/19	19.83	28.02	27.97
MW-11	17-32	52.26	06/17/19	22.61	31.36	29.65
			10/08/19	23.72	30.97	28.54
			11/05/19	24.35	30.65	27.91
			12/04/19	24.10	31.11	28.16
MW-12	5-20	36.51	06/18/19	7.18	20.00	29.33
			10/08/19	8.38	20.30	28.13
			11/05/19	8.91	19.72	27.60
			12/04/19	8.63	19.96	27.88
MW-104S	24-34	-	11/05/19	-	-	-
			12/04/19	14.39	34.20	-
MW-104D	52-62	-	11/05/19	-	-	-
			12/04/19	14.40	58.69	-

Notes:

Unable to gauge MW-6, MW-104S, and MW-104D on 11/05/19 due to equipment malfunction.

*Casing elevation data from August 2019 survey provided.

TABLE 6

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123



ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

Groundwater Analytical Results

TestAmerica, Inc.

Methods: SW8260C

Location	Date Collected	Chloroform	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethylene	Total VOCs
MW-5	11/05/19	<1	7	51	0.31 J	15	73
MW-6	11/05/19	<1	1.6	440	<1	14	456
MW-10	11/05/19	0.64 J	<1	0.40 J	<1	<1	1
MW-11	11/05/19	<1	<1	<1	<1	<1	<69
MW-12	11/05/19	<1	8.9	32	1.9	11	54
MW-104D	11/05/19	<1	19	96	0.33 J	24	139
MW-104S	11/05/19	<1	55	89	5	61	210
NYSDEC Standard/Guidance Values ^a		7	5	5	5	5	nv

Notes:

^aNYSDEC Division of Water Technical and Operations Guidance Series (1.1.1), June 1998, Class GA

nv-analyzed chemicals with no established values in TOGS 1.1.1

J-indicates a laboratory estimated value.

Gray-shaded cells exceed TOGS 1.1.1 Standards/Guidance Values.

The chemicals listed below were reported below the LRL:

1,1 Dichloroethane	Benzene	Ethylbenzene
1,1 Dichloroethene	Bromodichloromethane	Freon 113
1,1,1 Trichloroethane	Bromoform	Isopropylbenzene
1,1,2 Trichloroethane	Bromomethane	Methyl acetate
1,1,2,2 Tetrachloroethane	c 1,3 Dichloropropene	Methyl Ethyl Ketone
1,2 Dibromoethane	Carbon Disulfide	Methylene Chloride
1,2 Dichlorobenzene	Carbon Tetrachloride	MTBE
1,2 Dichloroethane	Chlorobenzene	Styrene
1,2 Dichloropropane	Chloroethane	t 1,3 Dichloropropene
1,2,4 Trichlorobenzene	Chloromethane	Toluene
1,3 Dichlorobenzene	Cyclohexane	Total BTEX
1,4 Dichlorobenzene	Cyclohexane, methyl-	Trichlorofluoromethane
2-Hexanone	Dibromochloromethane	Vinyl Chloride
4-Methyl-2-Pentanone	Dibromochloropropane	Xylenes Total
Acetone	Dichlorodifluoromethane	

TABLE 7

Former Cleaners Products Supply
 50-45 Barnett Avenue
 Sunnyside, NY
 NYSDEC Site #241123

Groundwater Analytical Results
 TestAmerica, Inc.
 Methods: SW8260C



	Location	Date Collected	Chloroform	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethylene	Total VOCs
Original Sample	MW-104S	11/05/19	<1	55	89	5	61	210
Duplicate Sample	MW-X	11/05/19	<1	54	85	5	59	203
Relative Percent Difference			-	1.83%	4.60%	0.00%	3.33%	3.39%

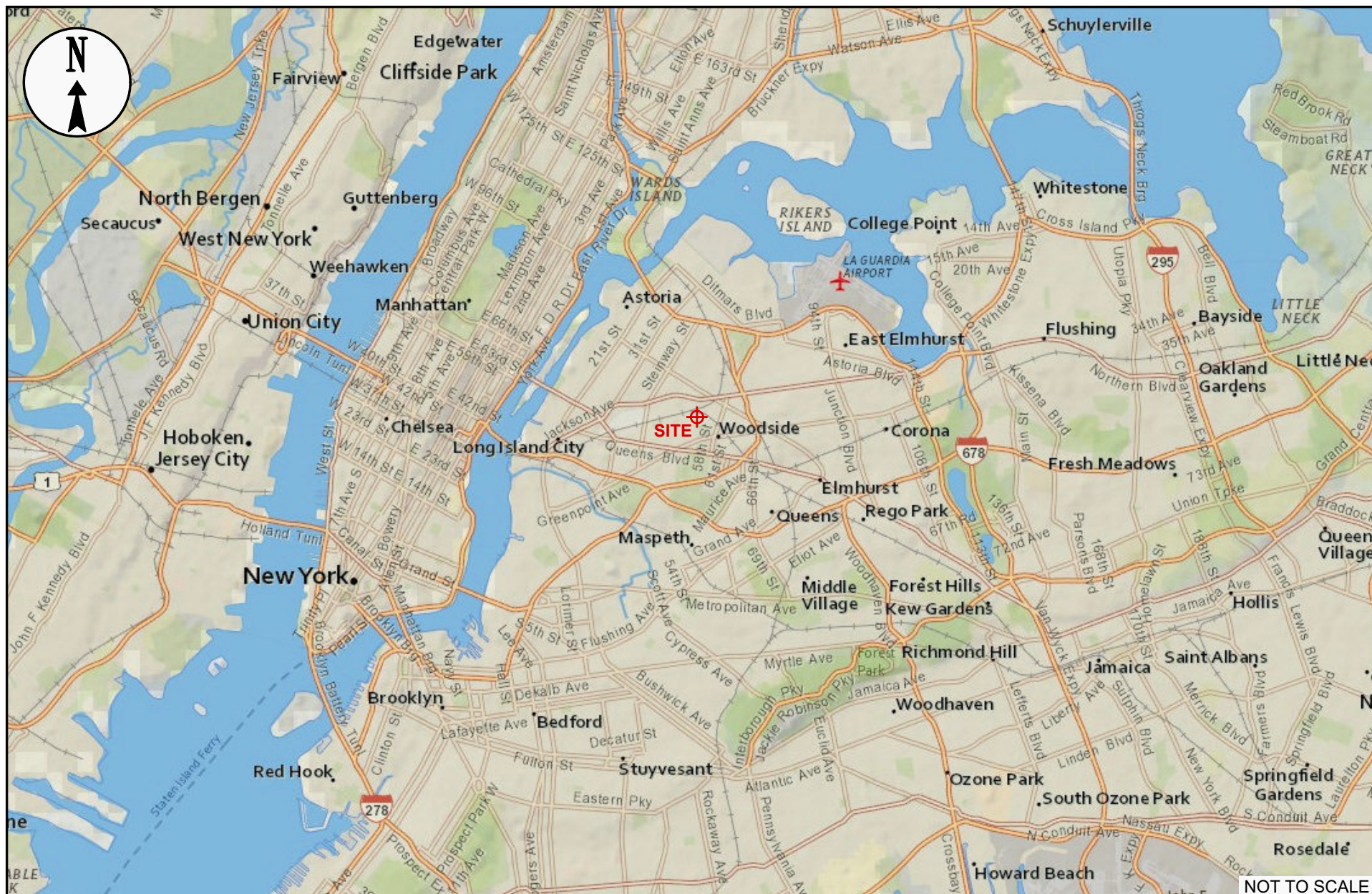
Notes:

Analytes not included above were reported below laboratory reporting limits.



FIGURES

FIGURE 1

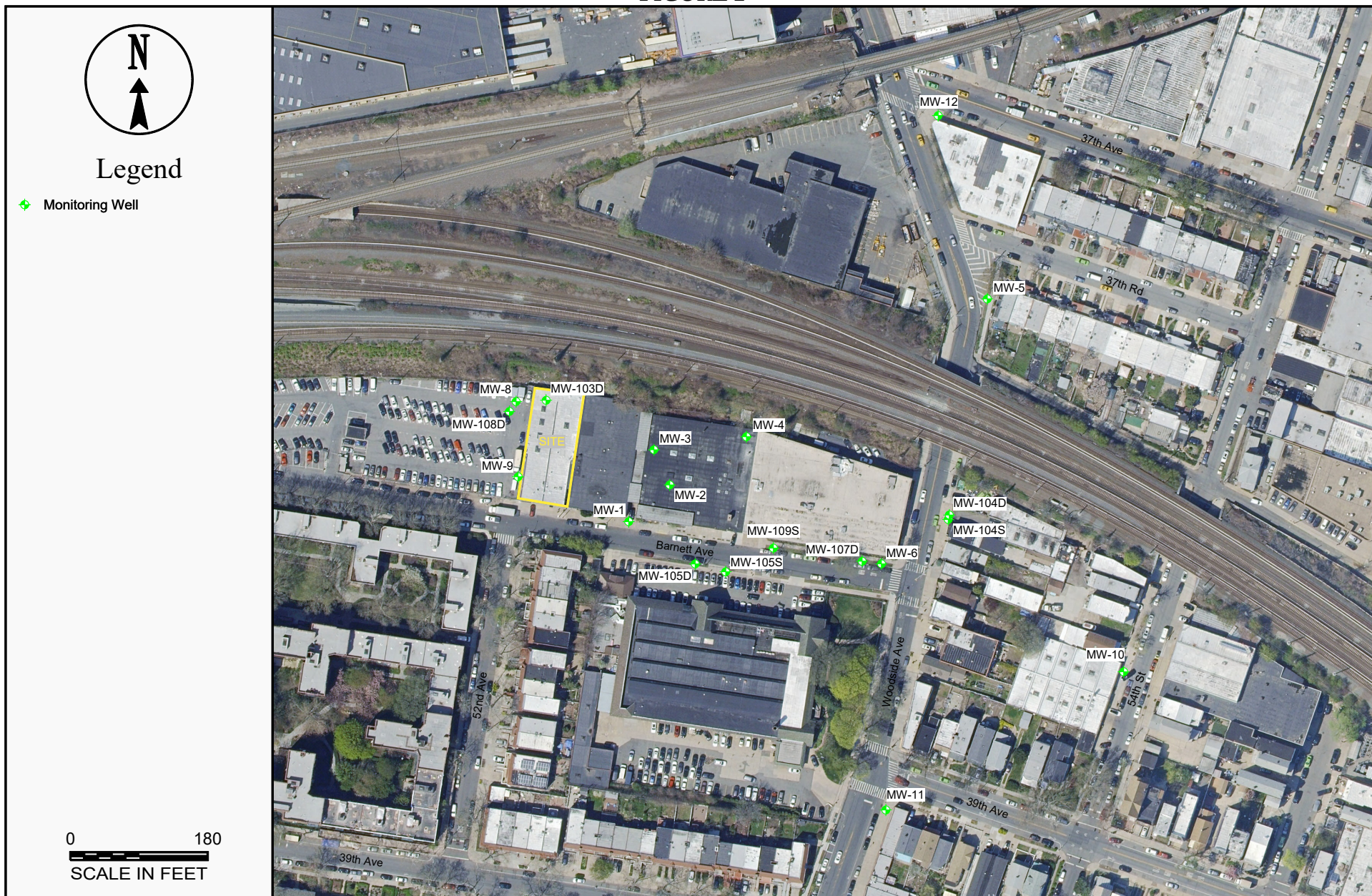


ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

Site Location Map

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123

FIGURE 2

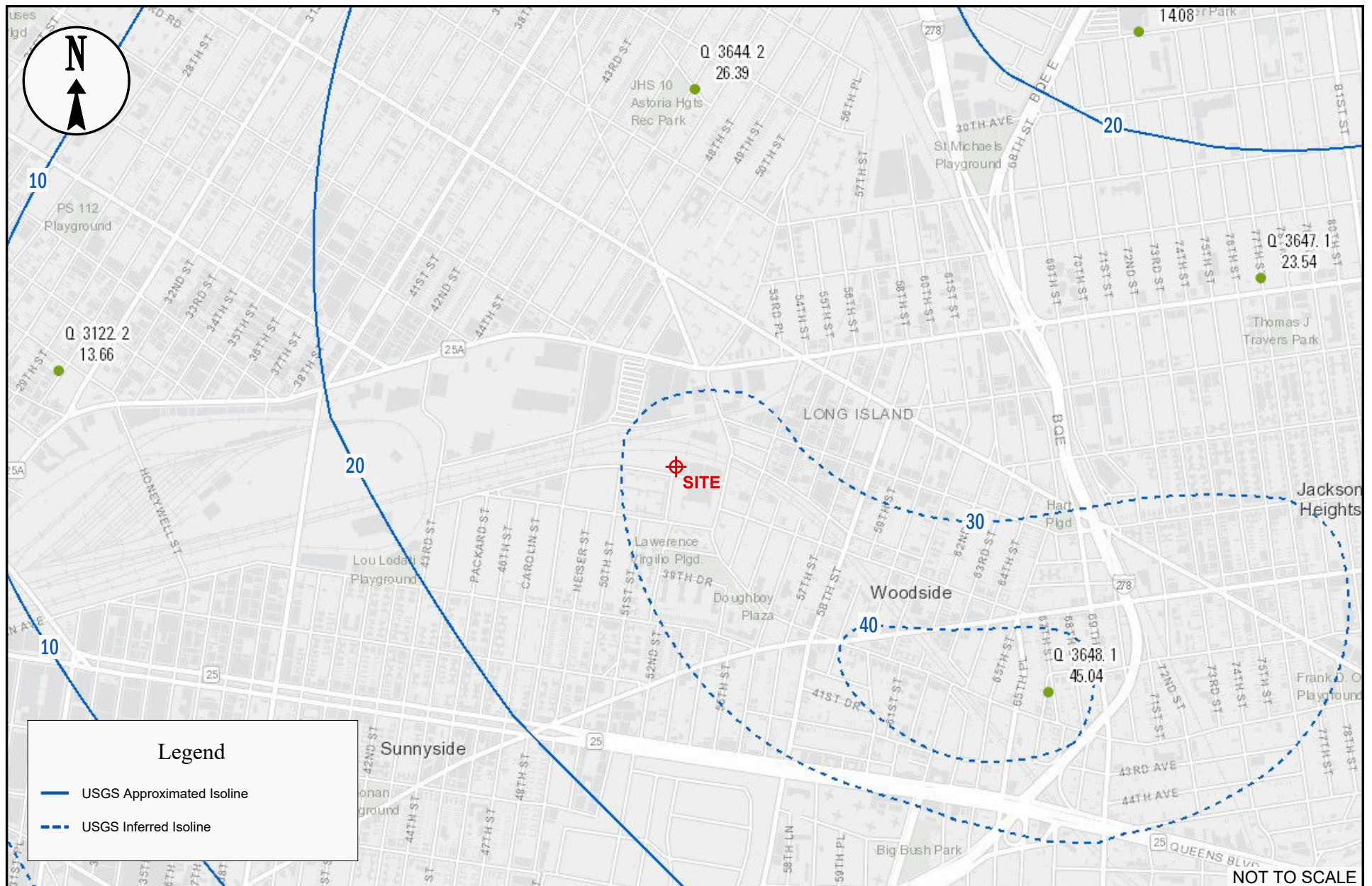


ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

Site Map

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123

FIGURE 3



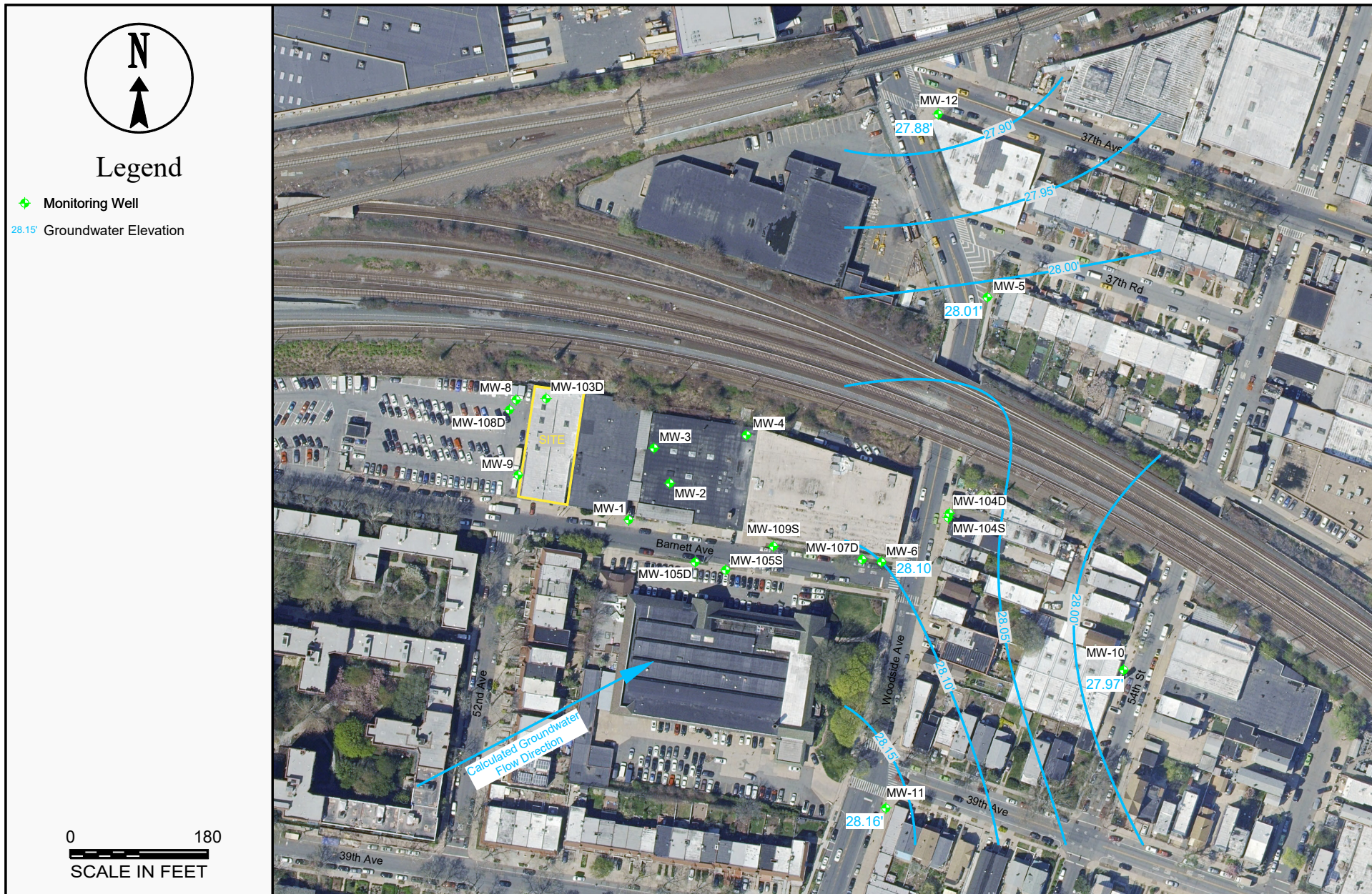
ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

Regional Groundwater Table Elevation (feet)

Source: USGS Water Table & Potentiometric-Surface Altitudes, Map 3326, 2013

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123

FIGURE 4

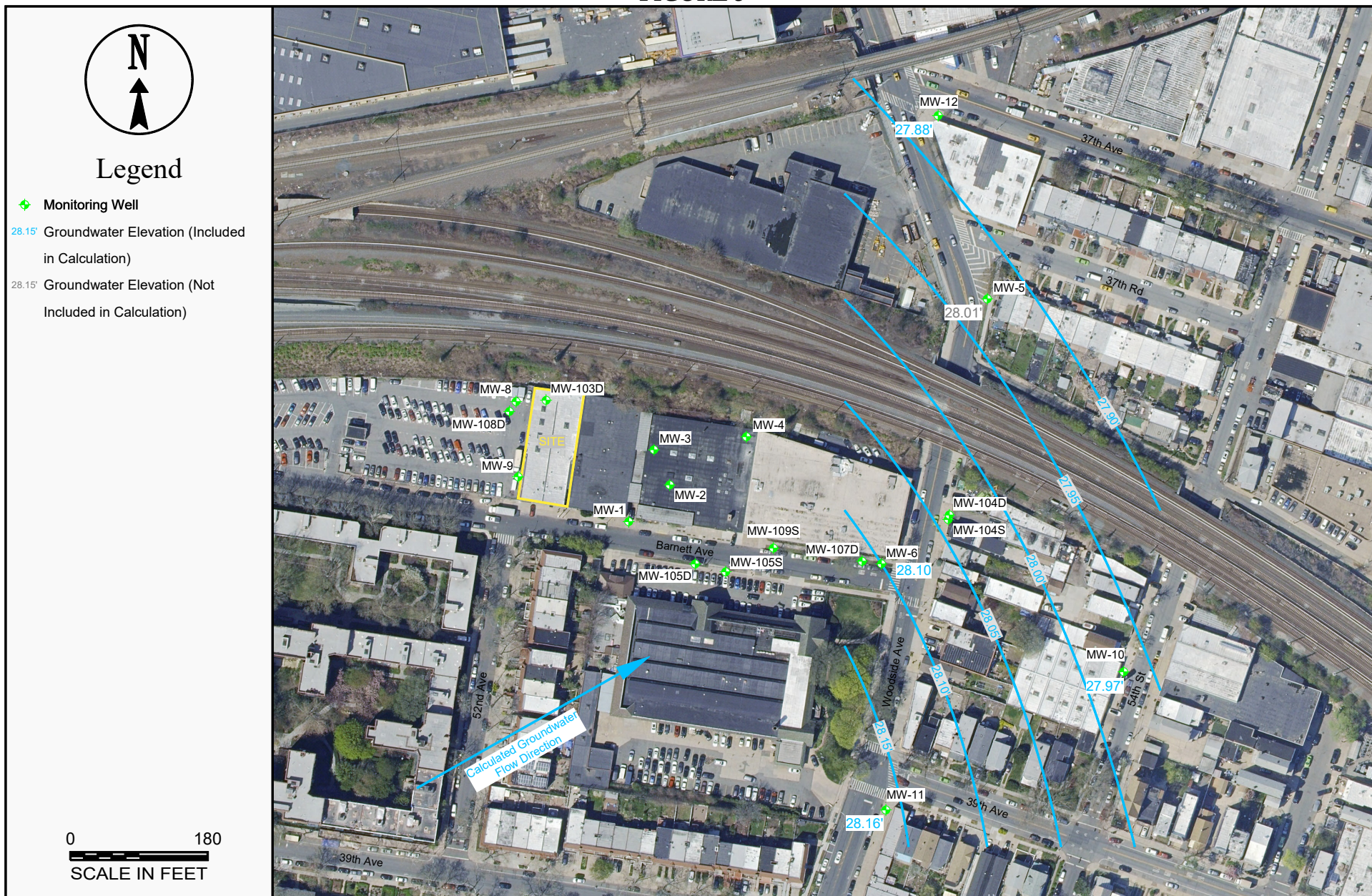


ENVIRONMENTAL
ASSESSMENT &
REMEDiations

Groundwater Elevation (feet)
December 4, 2019

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123

FIGURE 5

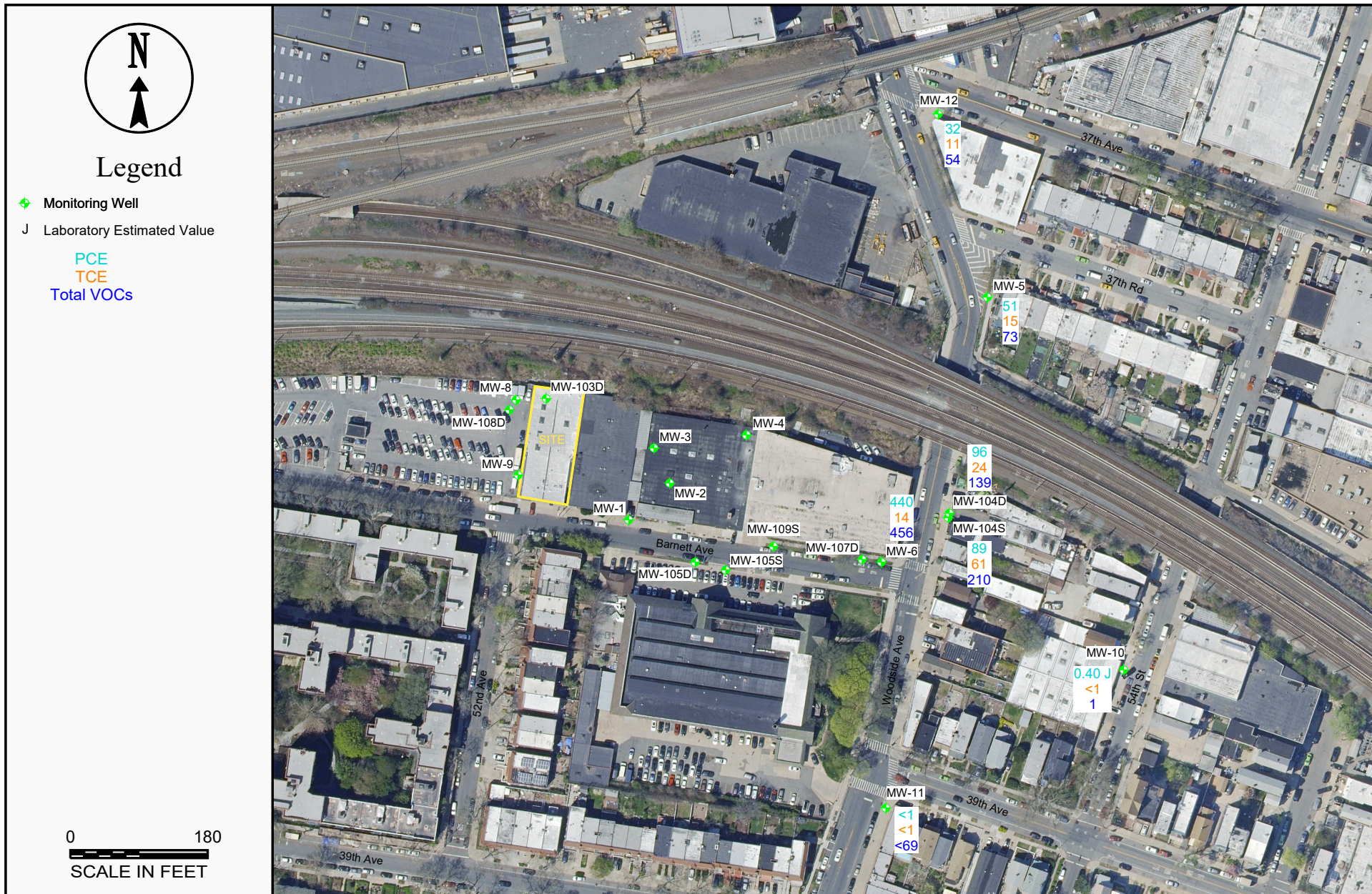


ENVIRONMENTAL
ASSESSMENT &
REMEDiations

Groundwater Elevation (feet)
December 4, 2019

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123

FIGURE 6



ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

Groundwater Analytical
Results (µg/L)
November 5, 2019

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123



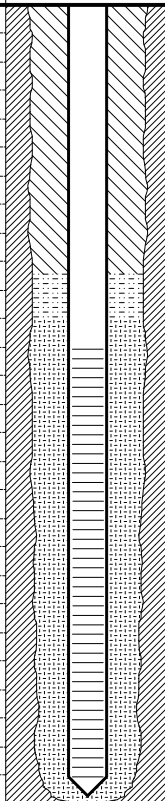
APPENDIX A





DRILLING LOG - Monitoring Well Installation

DRILLING DETAILS		WELL CONSTRUCTION	
PROJECT/SITE NAME	<u>Former Cleaners Products Supply</u>	CASING	
SITE ADDRESS	<u>50-45 Barnett Ave</u> <u>Sunnyside, NY</u>	Type <u>PVC</u> Diameter <u>2"</u> Length <u>17'</u>	
		SCREEN	
SITE ID NUMBER	<u>241123</u>	Type <u>PVC</u> Diameter <u>2"</u> Slot <u>0.020"</u> Length <u>15'</u>	
WELL ID	<u>MW-11</u>	GRAVEL PACK	<u>Native (0'-13' BG) & #2 Well Gravel (15'-32' BG)</u>
DRILLING METHOD	<u>CME 75</u>	CASING SEAL	<u>Bentonite (Hydrated Pellets) (13'-15' BG)</u>
DRILLING COMPANY	<u>Environmental Assessment & Remediations</u>	SECURITY	<u>8"X12" Steel Bolt-Down Manhole</u> <u>2" Locking Well Cap</u>
HEAD DRILLER	<u>B. Vigliotta</u>	FINISH	<u>Concrete Pad</u>
LOGGED BY	<u>J. Lohan</u>	COMMENTS	<u>MW-11 is located 6.8' east of east curb of</u> <u>Woodside Ave., 25' south of south curb of 39th</u> <u>Ave., & 8.25' west of west wall of 39-15</u> <u>Woodside Ave.</u>
BOREHOLE DIAMETER	<u>6"</u>		
SAMPLE METHOD	<u>Auger Cuttings (AC)</u>		
DEPTH-TO-WATER	<u>22.61'</u>		
TOTAL WELL DEPTH	<u>32'</u>		

Depth Below Grade	Well Design	Soil Lithology/Field Observations						
		Depth	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery	
		0'-5'	Brown fine sand, little medium sand, trace coarse sand; dry, no odor.	PH	0'-5'	3.1 ppm	-	
		5'-15'	Brown fine sand, trace medium sand; dry, no odor.	AC	5'-10'	2.4 ppm	-	
				AC	10'-15'	15.6 ppm	-	
		15'-25'	Brown fine sand, trace medium sand, trace coarse sand; moist, no odor.	AC	15'-20'	9.2 ppm	-	
				AC	20'-25'	3.5 ppm	-	
		25'-32'	Brown fine sand, trace medium sand, trace coarse sand; wet no odor.	AC	25'-30'	7.9 ppm	-	
				AC	30'-32'	8.3 ppm	-	
▼ 22.61'								

Native  Bentonite  Gravel 





APPENDIX B



MONITORING WELL MW-12

SCALE: 1" = 50'



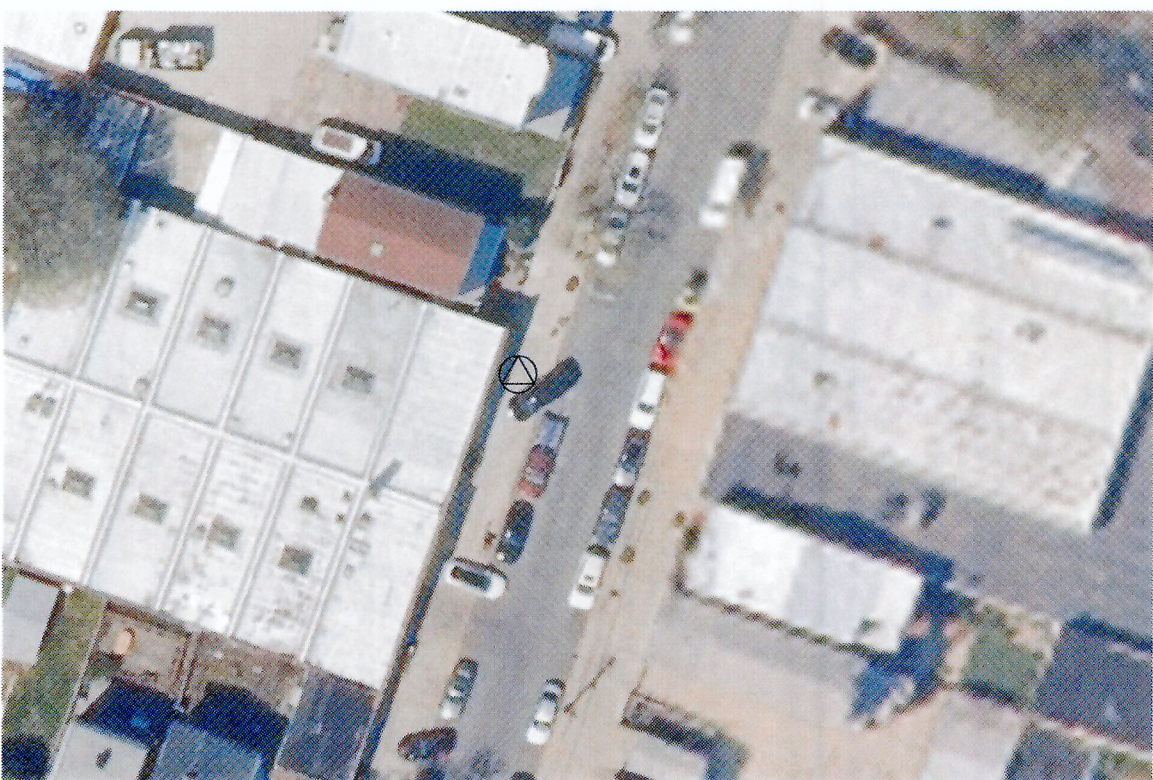
MONITORING WELL MW-6

SCALE: 1" = 50'



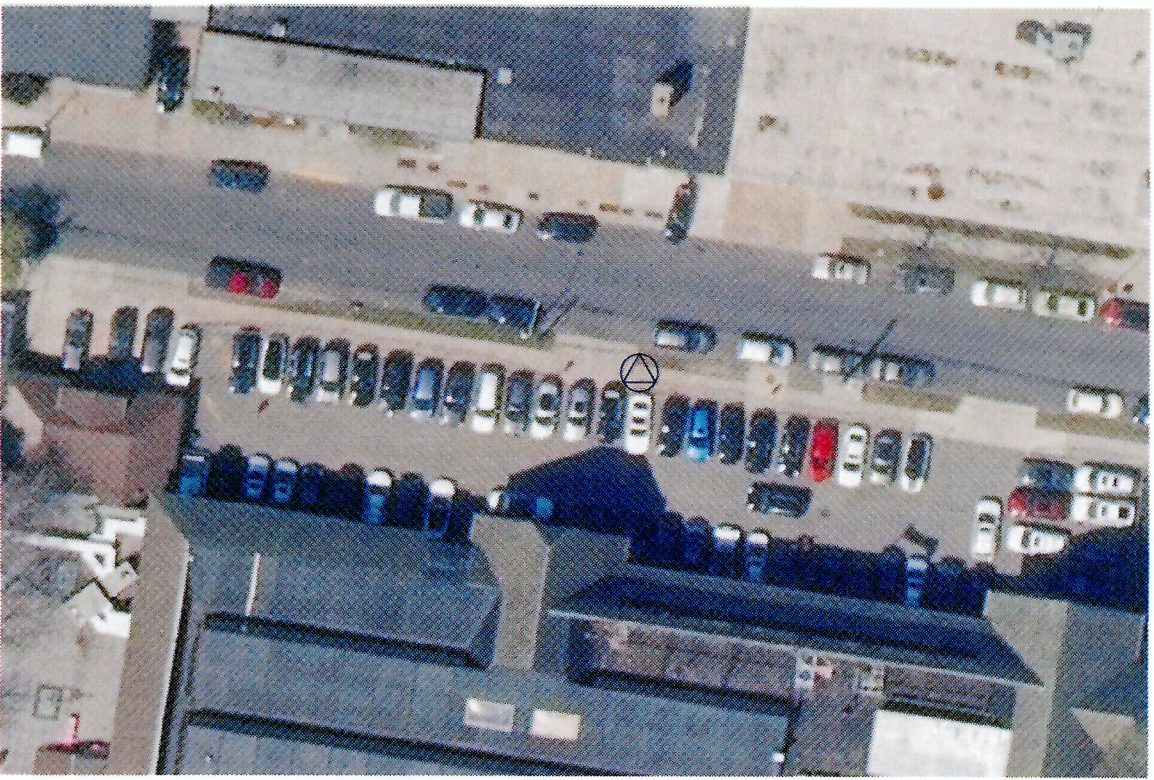
MONITORING WELL MW-5

SCALE: 1" = 50'



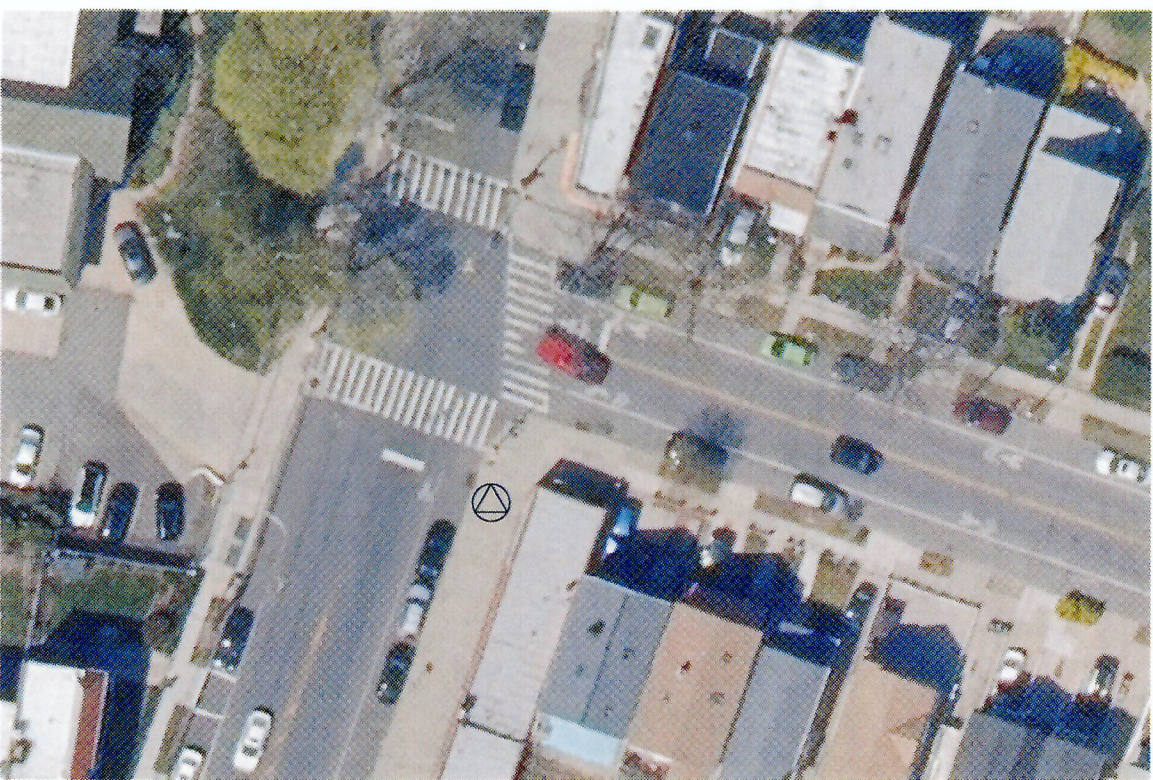
MONITORING WELL MW-10

SCALE: 1" = 50'



MONITORING WELL MW-10S

SCALE: 1" = 50'



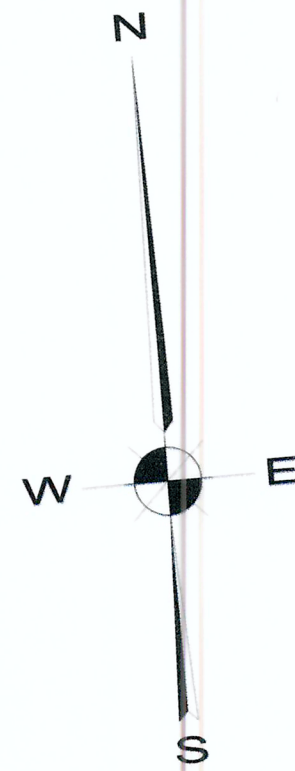
MONITORING WELL MW-11

SCALE: 1" = 50'



OVERVIEW MAP

SCALE: 1" = 200'



MONITORING WELL LOCATIONS			
DESCRIPTION	NORTHING	EASTING	ELEV.
MW-10 COVER	212329.67	1009542.82	47.96
MW-10 PIPE	212329.75	1009543.05	47.80
MW-10SS COVER	212460.71	1009021.18	48.76
MW-10SS PIPE	212460.82	1009021.15	48.53
MW-11 COVER	212148.49	1009231.18	52.69
MW-11 PIPE	212148.55	1009231.17	52.26
MW-12 COVER	213058.74	1009299.80	37.06
MW-12 PIPE	213058.88	1009299.76	36.51
MW-5 COVER	212818.59	1009564.19	37.74
MW-5 PIPE	212818.63	1009564.19	37.51
MW-6 COVER	212471.21	1009225.52	45.94
MW-6 PIPE	212471.26	1009225.44	45.72

MONITORING WELL LOCATION MAP

© 2018 FERRANTELO COPYRIGHTED
ONLY A LICENSED LAND SURVEYOR CAN ESTABLISH BOUNDARY/PROPERTY LINES/CORNERS.
CALL US FOR A STAKE OUT. STAKE YOUR CLAIM!
MONUMENTS HAVE NOT BEEN SET UNLESS REQUESTED.
THIS SURVEY WAS PREPARED FOR THE PARTIES AND PURPOSE INDICATED HEREON. ANY EXTENSION OF THE USE
BEYOND THE PURPOSE AGREED TO BETWEEN THE CLIENT AND THE SURVEYOR EXCEEDS THE SCOPE OF THE ENGAGEMENT.
IT IS HEREBY CERTIFIED THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE CODE OF
PRACTICE AND MINIMUM STANDARDS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF
PROFESSIONAL LAND SURVEYORS
MEMBER OF THE NEW YORK STATE LAND TITLE ASSOCIATION
MEMBER OF THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS
MEMBER OF THE NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS
MEMBER OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS

FORMER CLEANERS
PRODUCTS SUPPLY
50-45 BARNETT AVENUE
SUNNYSIDE, NY
NYS DEC SITE #241123



5		MAP OF: PROPERTY	
4		LOT AS SHOWN	
3		LOCATED AT: SUNNYSIDE, QUEENS	
2		CITY AND STATE OF NEW YORK	
1		TAX MAP ID: BLOCK 119 LOT 140	
No. REVISION DESCRIPTION DATE REV BY CHK BY		SITE DATA:	
SCALE: 1"=200'		DATE: 8/13/2019	
DATUM: NAVD 88		SURVEYED BY: CM	
DRAFTED BY: FS		CHECKED BY: FF	
SHEET: 1 OF 1			

FERRANTELO LAND SURVEYING P.C.
NEW YORK STATE LICENSED LAND SURVEYORS
SITE PLANNING & SUBDIVISION CONSULTANTS
BUILDING & CONSTRUCTION LAYOUT PROFESSIONALS
12 WEST MALL
PLAINVIEW, NY 11803
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APPENDIX C

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-185156-1

Client Project/Site: Former Cleaners Product: #241123, Sunnyside

For:

New York State D.E.C.
625 Broadway
12th Floor
Albany, New York 12233-7017

Attn: Kyle Forster



Authorized for release by:

7/16/2019 4:06:44 PM

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

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

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Julie Gilmore
Project Manager I
7/16/2019 4:06:44 PM

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Definitions/Glossary

Client: New York State D.E.C.

Job ID: 460-185156-1

Project/Site: Former Cleaners Product: #241123,Sunnysi

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates analyzed for but not detected.

Glossary

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

Case Narrative

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-1

Job ID: 460-185156-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: Former Cleaners Product: #241123,Sunnysi

Report Number: 460-185156-1

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 06/20/2019; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.1 C.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. No analysis checked off 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.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample Waste_Characterization (460-185156-1) was analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C (1311). The samples were leached on 06/26/2019 and analyzed on 07/02/2019.

The continuing calibration verification (CCV) analyzed in batch 460-620886 was outside the method criteria for the following analyte(s): Carbon tetrachloride. 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.

The continuing calibration verification (CCV) associated with batch 460-621903 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Sample Waste_Characterization (460-185156-1)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the TCLP volatiles analysis.

All quality control parameters were within the acceptance limits.

IGNITABILITY

Case Narrative

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-1

Job ID: 460-185156-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Sample Waste_Characterization (460-185156-1) was analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 06/27/2019.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

REACTIVE CYANIDE

Sample Waste_Characterization (460-185156-1) was analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 07/08/2019.

No difficulties were encountered during the reactive cyanide analysis.

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE

Sample Waste_Characterization (460-185156-1) was analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 07/08/2019.

No difficulties were encountered during the reactive sulfide analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)

Sample Waste_Characterization (460-185156-1) was analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 06/27/2019.

No difficulties were encountered during the corrosivity (pH) analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: New York State D.E.C.

Job ID: 460-185156-1

Project/Site: Former Cleaners Product: #241123,Sunnysi

Client Sample ID: Waste_Characterization

Lab Sample ID: 460-185156-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
pH	8.7	HF			SU	1		9045D	Total/NA
Corrosivity	8.7	HF			SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-1

Client Sample ID: Waste_Characterization

Lab Sample ID: 460-185156-1

Date Collected: 06/19/19 11:55

Matrix: Solid

Date Received: 06/20/19 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			07/02/19 14:55	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			07/02/19 14:55	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			07/02/19 14:55	10
Benzene	0.010	U	0.010	0.0020	mg/L			07/02/19 14:55	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			07/02/19 14:55	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			07/02/19 14:55	10
Chloroform	0.010	U	0.010	0.0033	mg/L			07/02/19 14:55	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			07/02/19 14:55	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			07/02/19 14:55	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			07/02/19 14:55	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		74 - 132		07/02/19 14:55	10
4-Bromofluorobenzene	112		77 - 124		07/02/19 14:55	10
Dibromofluoromethane (Surr)	112		72 - 131		07/02/19 14:55	10
Toluene-d8 (Surr)	94		80 - 120		07/02/19 14:55	10

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7	HF			SU			06/27/19 15:03	1
Corrosivity	8.7	HF			SU			06/27/19 15:03	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			06/27/19 10:10	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		07/08/19 10:10	07/08/19 15:10	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		07/08/19 10:10	07/08/19 15:08	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (74-132)	BFB (77-124)	DBFM (72-131)	TOL (80-120)
LCS 460-620886/3	Lab Control Sample	90	103	86	93
LCS 460-621903/3	Lab Control Sample	107	114	108	91
LCSD 460-620886/4	Lab Control Sample Dup	88	104	88	93
LCSD 460-621903/4	Lab Control Sample Dup	111	119	112	97
MB 460-620886/7	Method Blank	90	104	88	96
MB 460-621903/7	Method Blank	113	113	111	97

Surrogate Legend

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

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (74-132)	BFB (77-124)	DBFM (72-131)	TOL (80-120)
460-185156-1	Waste_Characterization	111	112	112	94
LB 460-620570/1-A	Method Blank	86	100	85	92

Surrogate Legend

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

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-1

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

Lab Sample ID: MB 460-620886/7

Matrix: Solid

Analysis Batch: 620886

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			06/28/19 02:44	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			06/28/19 02:44	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			06/28/19 02:44	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			06/28/19 02:44	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			06/28/19 02:44	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			06/28/19 02:44	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			06/28/19 02:44	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			06/28/19 02:44	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			06/28/19 02:44	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			06/28/19 02:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		74 - 132		06/28/19 02:44	1
4-Bromofluorobenzene	104		77 - 124		06/28/19 02:44	1
Dibromofluoromethane (Surr)	88		72 - 131		06/28/19 02:44	1
Toluene-d8 (Surr)	96		80 - 120		06/28/19 02:44	1

Lab Sample ID: LCS 460-620886/3

Matrix: Solid

Analysis Batch: 620886

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0158		mg/L		79	74 - 123
1,2-Dichloroethane	0.0200	0.0178		mg/L		89	76 - 121
2-Butanone (MEK)	0.100	0.0931		mg/L		93	64 - 120
Benzene	0.0200	0.0206		mg/L		103	77 - 121
Carbon tetrachloride	0.0200	0.0144		mg/L		72	70 - 132
Chlorobenzene	0.0200	0.0197		mg/L		98	80 - 120
Chloroform	0.0200	0.0188		mg/L		94	80 - 120
Tetrachloroethene	0.0200	0.0210		mg/L		105	78 - 122
Trichloroethene	0.0200	0.0193		mg/L		96	77 - 120
Vinyl chloride	0.0200	0.0200		mg/L		100	62 - 138

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		74 - 132
4-Bromofluorobenzene	103		77 - 124
Dibromofluoromethane (Surr)	86		72 - 131
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: LCSD 460-620886/4

Matrix: Solid

Analysis Batch: 620886

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0164		mg/L		82	74 - 123	4	30
1,2-Dichloroethane	0.0200	0.0185		mg/L		92	76 - 121	4	30
2-Butanone (MEK)	0.100	0.0918		mg/L		92	64 - 120	1	30
Benzene	0.0200	0.0214		mg/L		107	77 - 121	4	30

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-1

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

Lab Sample ID: LCSD 460-620886/4

Matrix: Solid

Analysis Batch: 620886

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon tetrachloride	0.0200	0.0149		mg/L		75	70 - 132	4	30
Chlorobenzene	0.0200	0.0198		mg/L		99	80 - 120	1	30
Chloroform	0.0200	0.0194		mg/L		97	80 - 120	3	30
Tetrachloroethene	0.0200	0.0219		mg/L		110	78 - 122	4	30
Trichloroethene	0.0200	0.0196		mg/L		98	77 - 120	2	30
Vinyl chloride	0.0200	0.0210		mg/L		105	62 - 138	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		74 - 132
4-Bromofluorobenzene	104		77 - 124
Dibromofluoromethane (Surr)	88		72 - 131
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: MB 460-621903/7

Matrix: Solid

Analysis Batch: 621903

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			07/02/19 12:32	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			07/02/19 12:32	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			07/02/19 12:32	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			07/02/19 12:32	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			07/02/19 12:32	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			07/02/19 12:32	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			07/02/19 12:32	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			07/02/19 12:32	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			07/02/19 12:32	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			07/02/19 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		74 - 132		07/02/19 12:32	1
4-Bromofluorobenzene	113		77 - 124		07/02/19 12:32	1
Dibromofluoromethane (Surr)	111		72 - 131		07/02/19 12:32	1
Toluene-d8 (Surr)	97		80 - 120		07/02/19 12:32	1

Lab Sample ID: LCS 460-621903/3

Matrix: Solid

Analysis Batch: 621903

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0195		mg/L		98	74 - 123
1,2-Dichloroethane	0.0200	0.0222		mg/L		111	76 - 121
2-Butanone (MEK)	0.100	0.104		mg/L		104	64 - 120
Benzene	0.0200	0.0172		mg/L		86	77 - 121
Carbon tetrachloride	0.0200	0.0235		mg/L		117	70 - 132
Chlorobenzene	0.0200	0.0189		mg/L		95	80 - 120
Chloroform	0.0200	0.0220		mg/L		110	80 - 120
Tetrachloroethene	0.0200	0.0212		mg/L		106	78 - 122

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-1

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

Lab Sample ID: LCS 460-621903/3

Matrix: Solid

Analysis Batch: 621903

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	0.0200	0.0204		mg/L		102	77 - 120
Vinyl chloride	0.0200	0.0175		mg/L		87	62 - 138

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		74 - 132
4-Bromofluorobenzene	114		77 - 124
Dibromofluoromethane (Surr)	108		72 - 131
Toluene-d8 (Surr)	91		80 - 120

Lab Sample ID: LCSD 460-621903/4

Matrix: Solid

Analysis Batch: 621903

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0204		mg/L		102	74 - 123	4	30
1,2-Dichloroethane	0.0200	0.0226		mg/L		113	76 - 121	2	30
2-Butanone (MEK)	0.100	0.0977		mg/L		98	64 - 120	7	30
Benzene	0.0200	0.0180		mg/L		90	77 - 121	5	30
Carbon tetrachloride	0.0200	0.0245		mg/L		123	70 - 132	4	30
Chlorobenzene	0.0200	0.0201		mg/L		101	80 - 120	6	30
Chloroform	0.0200	0.0225		mg/L		113	80 - 120	2	30
Tetrachloroethene	0.0200	0.0217		mg/L		108	78 - 122	2	30
Trichloroethene	0.0200	0.0210		mg/L		105	77 - 120	3	30
Vinyl chloride	0.0200	0.0182		mg/L		91	62 - 138	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		74 - 132
4-Bromofluorobenzene	119		77 - 124
Dibromofluoromethane (Surr)	112		72 - 131
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LB 460-620570/1-A

Matrix: Solid

Analysis Batch: 620886

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			06/28/19 03:09	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			06/28/19 03:09	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			06/28/19 03:09	10
Benzene	0.010	U	0.010	0.0020	mg/L			06/28/19 03:09	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			06/28/19 03:09	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			06/28/19 03:09	10
Chloroform	0.010	U	0.010	0.0033	mg/L			06/28/19 03:09	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			06/28/19 03:09	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			06/28/19 03:09	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			06/28/19 03:09	10

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-1

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

Lab Sample ID: LB 460-620570/1-A

Matrix: Solid

Analysis Batch: 620886

Client Sample ID: Method Blank

Prep Type: TCLP

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		74 - 132		06/28/19 03:09	10
4-Bromofluorobenzene	100		77 - 124		06/28/19 03:09	10
Dibromofluoromethane (Surr)	85		72 - 131		06/28/19 03:09	10
Toluene-d8 (Surr)	92		80 - 120		06/28/19 03:09	10

Method: 1030 - Ignitability, Solids

Lab Sample ID: 460-185073-A-1 DU

Matrix: Solid

Analysis Batch: 620756

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-622976/1-A

Matrix: Solid

Analysis Batch: 623036

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 622976

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		07/08/19 10:10	07/08/19 15:10	1

Lab Sample ID: LCS 460-622976/2-A

Matrix: Solid

Analysis Batch: 623036

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 622976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		25	10 - 100

Lab Sample ID: 460-185156-1 DU

Matrix: Solid

Analysis Batch: 623036

Client Sample ID: Waste_Characterization

Prep Type: Total/NA

Prep Batch: 622976

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-622975/1-A

Matrix: Solid

Analysis Batch: 623035

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 622975

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		07/08/19 10:10	07/08/19 15:08	1

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-1

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCSSRM 460-622975/3-A

Matrix: Solid

Analysis Batch: 623035

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 622975

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	59.7	34.11		mg/Kg		57.1	44.2 - 144.7

Lab Sample ID: 460-185156-1 MS

Matrix: Solid

Analysis Batch: 623035

Client Sample ID: Waste_Characterization

Prep Type: Total/NA

Prep Batch: 622975

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	240	193.0		mg/Kg		80	64 - 136

Lab Sample ID: 460-185156-1 MSD

Matrix: Solid

Analysis Batch: 623035

Client Sample ID: Waste_Characterization

Prep Type: Total/NA

Prep Batch: 622975

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	240	185.4		mg/Kg		77	64 - 136	4	10

Method: 9045D - pH

Lab Sample ID: MB 460-620815/2

Matrix: Solid

Analysis Batch: 620815

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.6				SU			06/27/19 14:33	1
Corrosivity	5.6				SU			06/27/19 14:33	1

Lab Sample ID: LCSSRM 460-620815/3

Matrix: Solid

Analysis Batch: 620815

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
pH	5.67	5.7		SU		100.2	96.5 - 103.5
Corrosivity	5.67	5.7		SU		100.2	96.5 - 103.5

Lab Sample ID: 460-184307-Q-1 DU

Matrix: Solid

Analysis Batch: 620815

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.4		7.5		SU		0.4	10
Corrosivity	7.4		7.5		SU		0.4	10

QC Association Summary

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-1

GC/MS VOA

Leach Batch: 620570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185156-1	Waste_Characterization	TCLP	Solid	1311	
LB 460-620570/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 620886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-620570/1-A	Method Blank	TCLP	Solid	8260C	620570
MB 460-620886/7	Method Blank	Total/NA	Solid	8260C	
LCS 460-620886/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-620886/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 621903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185156-1	Waste_Characterization	TCLP	Solid	8260C	620570
MB 460-621903/7	Method Blank	Total/NA	Solid	8260C	
LCS 460-621903/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-621903/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

General Chemistry

Analysis Batch: 620756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185156-1	Waste_Characterization	Total/NA	Solid	1030	
460-185073-A-1 DU	Duplicate	Total/NA	Solid	1030	

Analysis Batch: 620815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185156-1	Waste_Characterization	Total/NA	Solid	9045D	
MB 460-620815/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-620815/3	Lab Control Sample	Total/NA	Solid	9045D	
460-184307-Q-1 DU	Duplicate	Total/NA	Solid	9045D	

Prep Batch: 622975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185156-1	Waste_Characterization	Total/NA	Solid	7.3.4	
MB 460-622975/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-622975/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-185156-1 MS	Waste_Characterization	Total/NA	Solid	7.3.4	
460-185156-1 MSD	Waste_Characterization	Total/NA	Solid	7.3.4	

Prep Batch: 622976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185156-1	Waste_Characterization	Total/NA	Solid	7.3.3	
MB 460-622976/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-622976/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-185156-1 DU	Waste_Characterization	Total/NA	Solid	7.3.3	

Analysis Batch: 623035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185156-1	Waste_Characterization	Total/NA	Solid	9034	622975
MB 460-622975/1-A	Method Blank	Total/NA	Solid	9034	622975
LCSSRM 460-622975/3-A	Lab Control Sample	Total/NA	Solid	9034	622975

Eurofins TestAmerica, Edison

QC Association Summary

Client: New York State D.E.C.

Job ID: 460-185156-1

Project/Site: Former Cleaners Product: #241123,Sunnysi

General Chemistry (Continued)

Analysis Batch: 623035 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185156-1 MS	Waste_Characterization	Total/NA	Solid	9034	622975
460-185156-1 MSD	Waste_Characterization	Total/NA	Solid	9034	622975

Analysis Batch: 623036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185156-1	Waste_Characterization	Total/NA	Solid	9014	622976
MB 460-622976/1-A	Method Blank	Total/NA	Solid	9014	622976
LCS 460-622976/2-A	Lab Control Sample	Total/NA	Solid	9014	622976
460-185156-1 DU	Waste_Characterization	Total/NA	Solid	9014	622976

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-1

Client Sample ID: Waste_Characterization

Lab Sample ID: 460-185156-1

Date Collected: 06/19/19 11:55

Matrix: Solid

Date Received: 06/20/19 16:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			620570	06/26/19 20:18	BJB	TAL EDI
TCLP	Analysis	8260C		10	621903	07/02/19 14:55	MZS	TAL EDI
Total/NA	Analysis	1030		1	620756	06/27/19 10:10	YAH	TAL EDI
Total/NA	Prep	7.3.3			622976	07/08/19 10:10	JJK	TAL EDI
Total/NA	Analysis	9014		1	623036	07/08/19 15:10	JJK	TAL EDI
Total/NA	Prep	7.3.4			622975	07/08/19 10:10	JJK	TAL EDI
Total/NA	Analysis	9034		1	623035	07/08/19 15:08	JJK	TAL EDI
Total/NA	Analysis	9045D		1	620815	06/27/19 15:03	YAH	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-1

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	11452	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
9014	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive

Method Summary

Client: New York State D.E.C.

Job ID: 460-185156-1

Project/Site: Former Cleaners Product: #241123,Sunnysi

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
1030	Ignitability, Solids	SW846	TAL EDI
9014	Cyanide, Reactive	SW846	TAL EDI
9034	Sulfide, Reactive	SW846	TAL EDI
9045D	pH	SW846	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
7.3.3	Cyanide, Reactive	SW846	TAL EDI
7.3.4	Sulfide, Reactive	SW846	TAL EDI

Protocol References:

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

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.

Job ID: 460-185156-1

Project/Site: Former Cleaners Product: #241123,Sunnysi

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-185156-1	Waste_Characterization	Solid	06/19/19 11:55	06/20/19 16:05	

Name (for report and invoice) Steve Goetz		Samplers Name (Printed) EAR		Site/Project Identification DEC-Sunnyside 50	
Company EAR		State (Location of site): NJ: ☐ NY: ☒ Other: ☐		Regulatory Program: MSDEC	
Address 225 Atlantic Ave		Analysis Turnaround Time Standard ☒ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		LAB USE ONLY Project No: 186786	
City Patchogue		State NY		ANALYSIS REQUESTED (ENTER % BELOW TO INDICATE REQUEST)	
Phone (631) 447-6400		Fax		Flashpoint & Reactivity (Supplied & analyzed)	
Sample Identification Waste characterization		Date 6/19/19		TEL P VOCs RCR Character	
Time 1155		Matrix soil		No. of Cont. 3	
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH		Soil: 1		Water:	
6 = Other		7 = Other			

Special Instructions		Water Metals Filtered (Yes/No)?	
Relinquished by John Yohn	Company EAR	Date / Time 6/19/19 1350	Received by EAR Sample Frige
Relinquished by EAR Patchogue	Company EAR	Date / Time 6-20-19 1400	Received by William A. Vignotta
Relinquished by William A. Vignotta	Company EAR	Date / Time 6-20-19 1400	Received by EAR
Relinquished by EAR	Company EAR	Date / Time 6/20/19 1600	Received by EAR
Relinquished by EAR	Company EAR	Date / Time 6/20/19 1600	Received by EAR

Laboratory Certifications: New Jersey (2028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

Job Number:

99156

Number of Coolers:		IR Gun #		Cooler Temperatures			
				RAW		CORRECTED	
Cooler #1:	3.6°C	3.6°C		Cooler #4:			
Cooler #2:				Cooler #5:			
Cooler #3:				Cooler #6:			
				Cooler #7:			
				Cooler #8:			
				Cooler #9:			

[illegible]

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: 6/25/19

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-185156-1

Login Number: 185156

List Number: 1

Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
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 $<6\text{mm}$ (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.

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-185156-2

Client Project/Site: Former Cleaners Product: #241123, Sunnyside

For:

New York State D.E.C.
625 Broadway
12th Floor
Albany, New York 12233-7017

Attn: Kyle Forster



Authorized for release by:
8/6/2019 8:16:14 AM

Julie Gilmore, Project Manager I
(484)685-0865
julie.gilmore@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

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.



Julie Gilmore
Project Manager I
8/6/2019 8:16:14 AM

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Definitions/Glossary

Client: New York State D.E.C.

Job ID: 460-185156-2

Project/Site: Former Cleaners Product: #241123,Sunnysi

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	The analyte was found in an associated blank, as well as in the sample.
H	Sample was prepped or analyzed beyond the specified holding time
J	Indicates an estimated value.
U	Analyzed for but not detected.

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)

Case Narrative

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-2

Job ID: 460-185156-2

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: Former Cleaners Product: #241123,Sunnyside

Report Number: 460-185156-2

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 06/20/2019; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.1 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.

Chloromethane, Dichlorodifluoromethane and Vinyl chloride failed the recovery criteria high for LCS 460-629072/4. Refer to the QC report for details.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample Waste_Characterization (460-185156-1) was analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C. The samples were prepared and analyzed on 08/02/2019.

The continuing calibration verification (CCV) analyzed in batch 460-629072 was outside the method criteria for the following analytes: Vinyl chloride, Chloromethane and Dichlorodifluoromethane (bias high), 1,1,2,2-Tetrachloroethane 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.

The laboratory control sample (LCS) for analytical batch 460-629072 recovered outside control limits for the following analytes: Vinyl chloride, Dichlorodifluoromethane and Chloromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Xylenes, Total was detected in method blank LB3 460-629178/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

Case Narrative

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-2

Job ID: 460-185156-2 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Sample Waste_Characterization (460-185156-1) was analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 08/02/2019.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: New York State D.E.C.

Job ID: 460-185156-2

Project/Site: Former Cleaners Product: #241123,Sunnysi

Client Sample ID: Waste_Characterization

Lab Sample ID: 460-185156-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Methylene Chloride	0.53	J H	0.99	0.46	ug/Kg	1		✱	8260C	Total/NA
Xylenes, Total	0.81	J H B	2.0	0.17	ug/Kg	1		✱	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-2

Client Sample ID: Waste_Characterization

Lab Sample ID: 460-185156-1

Date Collected: 06/19/19 11:55

Matrix: Solid

Date Received: 06/20/19 16:05

Percent Solids: 95.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.99	U H	0.99	0.23	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
1,1,2,2-Tetrachloroethane	0.99	U H	0.99	0.21	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.99	U H	0.99	0.30	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
1,1,2-Trichloroethane	0.99	U H	0.99	0.18	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
1,1-Dichloroethane	0.99	U H	0.99	0.20	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
1,1-Dichloroethene	0.99	U H	0.99	0.22	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
1,2,4-Trichlorobenzene	0.99	U H	0.99	0.35	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
1,2-Dibromo-3-Chloropropane	0.99	U H	0.99	0.45	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
1,2-Dichlorobenzene	0.99	U H	0.99	0.14	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
1,2-Dichloroethane	0.99	U H	0.99	0.29	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
1,2-Dichloropropane	0.99	U H	0.99	0.42	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
1,3-Dichlorobenzene	0.99	U H	0.99	0.16	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
1,4-Dichlorobenzene	0.99	U H	0.99	0.22	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
2-Butanone (MEK)	4.9	U H	4.9	2.7	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
2-Hexanone	4.9	U H	4.9	1.7	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
4-Methyl-2-pentanone (MIBK)	4.9	U H	4.9	1.5	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Acetone	5.9	U H	5.9	5.6	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Benzene	0.99	U H	0.99	0.25	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Bromoform	0.99	U H	0.99	0.42	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Bromomethane	0.99	U H	0.99	0.47	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Carbon disulfide	0.99	U H	0.99	0.26	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Carbon tetrachloride	0.99	U H	0.99	0.38	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Chlorobenzene	0.99	U H	0.99	0.17	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Chlorodibromomethane	0.99	U H	0.99	0.19	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Chloroethane	0.99	U H	0.99	0.51	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Chloroform	0.99	U H	0.99	0.31	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Chloromethane	0.99	U H *	0.99	0.43	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
cis-1,2-Dichloroethene	0.99	U H	0.99	0.15	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
cis-1,3-Dichloropropene	0.99	U H	0.99	0.27	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Cyclohexane	0.99	U H	0.99	0.22	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Dichlorobromomethane	0.99	U H	0.99	0.25	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Dichlorodifluoromethane	0.99	U H *	0.99	0.33	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Ethylbenzene	0.99	U H	0.99	0.20	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Ethylene Dibromide	0.99	U H	0.99	0.18	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Isopropylbenzene	0.99	U H	0.99	0.12	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Methyl acetate	4.9	U H	4.9	4.2	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Methyl tert-butyl ether	0.99	U H	0.99	0.12	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Methylcyclohexane	0.99	U H	0.99	0.49	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Methylene Chloride	0.53	J H	0.99	0.46	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Styrene	0.99	U H	0.99	0.27	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Tetrachloroethene	0.99	U H	0.99	0.14	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Toluene	0.99	U H	0.99	0.23	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
trans-1,2-Dichloroethene	0.99	U H	0.99	0.24	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
trans-1,3-Dichloropropene	0.99	U H	0.99	0.26	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Trichloroethene	0.99	U H	0.99	0.14	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Trichlorofluoromethane	0.99	U H	0.99	0.40	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Vinyl chloride	0.99	U H *	0.99	0.54	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1
Xylenes, Total	0.81	J H B	2.0	0.17	ug/Kg	☼	08/02/19 10:38	08/02/19 16:47	1

Eurofins TestAmerica, Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-2

Client Sample ID: Waste_Characterization

Date Collected: 06/19/19 11:55

Date Received: 06/20/19 16:05

Lab Sample ID: 460-185156-1

Matrix: Solid

Percent Solids: 95.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		78 - 135	08/02/19 10:38	08/02/19 16:47	1
4-Bromofluorobenzene	106		67 - 126	08/02/19 10:38	08/02/19 16:47	1
Dibromofluoromethane (Surr)	115		61 - 149	08/02/19 10:38	08/02/19 16:47	1
Toluene-d8 (Surr)	99		73 - 121	08/02/19 10:38	08/02/19 16:47	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.3		1.0	1.0	%			08/02/19 14:03	1
Percent Solids	95.7		1.0	1.0	%			08/02/19 14:03	1

Surrogate Summary

Client: New York State D.E.C.

Job ID: 460-185156-2

Project/Site: Former Cleaners Product: #241123,Sunnysi

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (78-135)	BFB (67-126)	DBFM (61-149)	TOL (73-121)
460-185156-1	Waste_Characterization	121	106	115	99
LB3 460-629178/1-A	Method Blank	117	110	118	103
LCS 460-629072/4	Lab Control Sample	112	106	115	105
LCSD 460-629072/5	Lab Control Sample Dup	112	105	115	104
MB 460-629072/9	Method Blank	123	108	118	105

Surrogate Legend

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

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-2

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

Lab Sample ID: MB 460-629072/9

Matrix: Solid

Analysis Batch: 629072

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	1.0	U	1.0	0.23	ug/Kg			08/02/19 11:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/Kg			08/02/19 11:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.30	ug/Kg			08/02/19 11:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.18	ug/Kg			08/02/19 11:21	1
1,1-Dichloroethane	1.0	U	1.0	0.21	ug/Kg			08/02/19 11:21	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/Kg			08/02/19 11:21	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.36	ug/Kg			08/02/19 11:21	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.46	ug/Kg			08/02/19 11:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.14	ug/Kg			08/02/19 11:21	1
1,2-Dichloroethane	1.0	U	1.0	0.30	ug/Kg			08/02/19 11:21	1
1,2-Dichloropropane	1.0	U	1.0	0.42	ug/Kg			08/02/19 11:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.16	ug/Kg			08/02/19 11:21	1
1,4-Dichlorobenzene	1.0	U	1.0	0.23	ug/Kg			08/02/19 11:21	1
2-Butanone (MEK)	5.0	U	5.0	2.7	ug/Kg			08/02/19 11:21	1
2-Hexanone	5.0	U	5.0	1.7	ug/Kg			08/02/19 11:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.6	ug/Kg			08/02/19 11:21	1
Acetone	6.0	U	6.0	5.7	ug/Kg			08/02/19 11:21	1
Benzene	1.0	U	1.0	0.26	ug/Kg			08/02/19 11:21	1
Bromoform	1.0	U	1.0	0.43	ug/Kg			08/02/19 11:21	1
Bromomethane	1.0	U	1.0	0.47	ug/Kg			08/02/19 11:21	1
Carbon disulfide	1.0	U	1.0	0.27	ug/Kg			08/02/19 11:21	1
Carbon tetrachloride	1.0	U	1.0	0.39	ug/Kg			08/02/19 11:21	1
Chlorobenzene	1.0	U	1.0	0.18	ug/Kg			08/02/19 11:21	1
Chlorodibromomethane	1.0	U	1.0	0.19	ug/Kg			08/02/19 11:21	1
Chloroethane	1.0	U	1.0	0.52	ug/Kg			08/02/19 11:21	1
Chloroform	1.0	U	1.0	0.32	ug/Kg			08/02/19 11:21	1
Chloromethane	1.0	U	1.0	0.44	ug/Kg			08/02/19 11:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/Kg			08/02/19 11:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg			08/02/19 11:21	1
Cyclohexane	1.0	U	1.0	0.22	ug/Kg			08/02/19 11:21	1
Dichlorobromomethane	1.0	U	1.0	0.26	ug/Kg			08/02/19 11:21	1
Dichlorodifluoromethane	1.0	U	1.0	0.34	ug/Kg			08/02/19 11:21	1
Ethylbenzene	1.0	U	1.0	0.20	ug/Kg			08/02/19 11:21	1
Ethylene Dibromide	1.0	U	1.0	0.18	ug/Kg			08/02/19 11:21	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/Kg			08/02/19 11:21	1
Methyl acetate	5.0	U	5.0	4.3	ug/Kg			08/02/19 11:21	1
Methyl tert-butyl ether	1.0	U	1.0	0.13	ug/Kg			08/02/19 11:21	1
Methylcyclohexane	1.0	U	1.0	0.50	ug/Kg			08/02/19 11:21	1
Methylene Chloride	1.0	U	1.0	0.46	ug/Kg			08/02/19 11:21	1
Styrene	1.0	U	1.0	0.28	ug/Kg			08/02/19 11:21	1
Tetrachloroethene	1.0	U	1.0	0.14	ug/Kg			08/02/19 11:21	1
Toluene	1.0	U	1.0	0.23	ug/Kg			08/02/19 11:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/Kg			08/02/19 11:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg			08/02/19 11:21	1
Trichloroethene	1.0	U	1.0	0.14	ug/Kg			08/02/19 11:21	1
Trichlorofluoromethane	1.0	U	1.0	0.41	ug/Kg			08/02/19 11:21	1
Vinyl chloride	1.0	U	1.0	0.55	ug/Kg			08/02/19 11:21	1
Xylenes, Total	2.0	U	2.0	0.17	ug/Kg			08/02/19 11:21	1

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-2

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

Lab Sample ID: MB 460-629072/9

Matrix: Solid

Analysis Batch: 629072

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		78 - 135		08/02/19 11:21	1
4-Bromofluorobenzene	108		67 - 126		08/02/19 11:21	1
Dibromofluoromethane (Surr)	118		61 - 149		08/02/19 11:21	1
Toluene-d8 (Surr)	105		73 - 121		08/02/19 11:21	1

Lab Sample ID: LCS 460-629072/4

Matrix: Solid

Analysis Batch: 629072

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	20.0	25.0		ug/Kg		125	80 - 125
1,1,2,2-Tetrachloroethane	20.0	16.5		ug/Kg		82	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	24.8		ug/Kg		124	78 - 132
1,1,2-Trichloroethane	20.0	18.3		ug/Kg		92	76 - 124
1,1-Dichloroethane	20.0	23.9		ug/Kg		119	80 - 124
1,1-Dichloroethene	20.0	23.4		ug/Kg		117	79 - 132
1,2,4-Trichlorobenzene	20.0	20.7		ug/Kg		103	74 - 124
1,2-Dibromo-3-Chloropropane	20.0	15.0		ug/Kg		75	65 - 129
1,2-Dichlorobenzene	20.0	19.0		ug/Kg		95	80 - 121
1,2-Dichloroethane	20.0	21.4		ug/Kg		107	68 - 120
1,2-Dichloropropane	20.0	22.2		ug/Kg		111	77 - 124
1,3-Dichlorobenzene	20.0	19.1		ug/Kg		96	79 - 124
1,4-Dichlorobenzene	20.0	18.7		ug/Kg		94	79 - 121
2-Butanone (MEK)	100	80.0		ug/Kg		80	61 - 140
2-Hexanone	100	88.5		ug/Kg		88	78 - 120
4-Methyl-2-pentanone (MIBK)	100	93.3		ug/Kg		93	80 - 120
Acetone	100	99.7		ug/Kg		100	75 - 120
Benzene	20.0	21.5		ug/Kg		107	75 - 127
Bromoform	20.0	14.6		ug/Kg		73	19 - 150
Bromomethane	20.0	26.5		ug/Kg		132	59 - 136
Carbon disulfide	20.0	23.5		ug/Kg		117	74 - 130
Carbon tetrachloride	20.0	22.3		ug/Kg		111	77 - 138
Chlorobenzene	20.0	20.1		ug/Kg		101	80 - 120
Chlorodibromomethane	20.0	16.6		ug/Kg		83	67 - 143
Chloroethane	20.0	25.0		ug/Kg		125	50 - 139
Chloroform	20.0	23.0		ug/Kg		115	80 - 122
Chloromethane	20.0	28.5	*	ug/Kg		142	66 - 128
cis-1,2-Dichloroethene	20.0	23.6		ug/Kg		118	80 - 123
cis-1,3-Dichloropropene	20.0	18.5		ug/Kg		92	75 - 124
Cyclohexane	20.0	25.6		ug/Kg		128	67 - 135
Dichlorobromomethane	20.0	20.4		ug/Kg		102	76 - 129
Dichlorodifluoromethane	20.0	31.0	*	ug/Kg		155	72 - 127
Ethylbenzene	20.0	21.2		ug/Kg		106	79 - 124
Ethylene Dibromide	20.0	17.1		ug/Kg		85	80 - 122
Isopropylbenzene	20.0	23.0		ug/Kg		115	80 - 125
Methyl acetate	40.0	40.0		ug/Kg		100	73 - 123
Methyl tert-butyl ether	20.0	20.7		ug/Kg		103	80 - 120
Methylcyclohexane	20.0	24.5		ug/Kg		122	71 - 137

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-2

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

Lab Sample ID: LCS 460-629072/4

Matrix: Solid

Analysis Batch: 629072

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	20.0	21.4		ug/Kg		107	79 - 128
Styrene	20.0	19.8		ug/Kg		99	78 - 123
Tetrachloroethene	20.0	22.4		ug/Kg		112	73 - 130
Toluene	20.0	21.1		ug/Kg		105	75 - 122
trans-1,2-Dichloroethene	20.0	23.7		ug/Kg		119	80 - 129
trans-1,3-Dichloropropene	20.0	16.8		ug/Kg		84	72 - 121
Trichloroethene	20.0	23.4		ug/Kg		117	79 - 122
Trichlorofluoromethane	20.0	24.7		ug/Kg		124	68 - 136
Vinyl chloride	20.0	28.8	*	ug/Kg		144	70 - 134
Xylenes, Total	40.0	42.5		ug/Kg		106	79 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		78 - 135
4-Bromofluorobenzene	106		67 - 126
Dibromofluoromethane (Surr)	115		61 - 149
Toluene-d8 (Surr)	105		73 - 121

Lab Sample ID: LCSD 460-629072/5

Matrix: Solid

Analysis Batch: 629072

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	22.0		ug/Kg		110	80 - 125	13	30
1,1,2,2-Tetrachloroethane	20.0	17.1		ug/Kg		86	72 - 131	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.5		ug/Kg		108	78 - 132	14	30
1,1,2-Trichloroethane	20.0	18.0		ug/Kg		90	76 - 124	2	30
1,1-Dichloroethane	20.0	21.1		ug/Kg		105	80 - 124	13	30
1,1-Dichloroethene	20.0	19.9		ug/Kg		99	79 - 132	17	30
1,2,4-Trichlorobenzene	20.0	19.0		ug/Kg		95	74 - 124	8	30
1,2-Dibromo-3-Chloropropane	20.0	16.1		ug/Kg		80	65 - 129	7	30
1,2-Dichlorobenzene	20.0	17.9		ug/Kg		90	80 - 121	6	30
1,2-Dichloroethane	20.0	20.7		ug/Kg		104	68 - 120	3	30
1,2-Dichloropropane	20.0	20.9		ug/Kg		104	77 - 124	6	30
1,3-Dichlorobenzene	20.0	17.9		ug/Kg		89	79 - 124	7	30
1,4-Dichlorobenzene	20.0	17.5		ug/Kg		87	79 - 121	7	30
2-Butanone (MEK)	100	81.6		ug/Kg		82	61 - 140	2	30
2-Hexanone	100	93.3		ug/Kg		93	78 - 120	5	30
4-Methyl-2-pentanone (MIBK)	100	94.5		ug/Kg		94	80 - 120	1	30
Acetone	100	98.2		ug/Kg		98	75 - 120	1	30
Benzene	20.0	18.7		ug/Kg		93	75 - 127	14	30
Bromoform	20.0	15.6		ug/Kg		78	19 - 150	6	30
Bromomethane	20.0	22.0		ug/Kg		110	59 - 136	19	30
Carbon disulfide	20.0	20.0		ug/Kg		100	74 - 130	16	30
Carbon tetrachloride	20.0	19.3		ug/Kg		96	77 - 138	14	30
Chlorobenzene	20.0	18.5		ug/Kg		93	80 - 120	8	30
Chlorodibromomethane	20.0	15.9		ug/Kg		80	67 - 143	4	30
Chloroethane	20.0	20.2		ug/Kg		101	50 - 139	21	30
Chloroform	20.0	21.1		ug/Kg		106	80 - 122	8	30

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-2

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

Lab Sample ID: LCSD 460-629072/5

Matrix: Solid

Analysis Batch: 629072

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	20.0	23.4		ug/Kg		117	66 - 128	20	30
cis-1,2-Dichloroethene	20.0	20.8		ug/Kg		104	80 - 123	12	30
cis-1,3-Dichloropropene	20.0	17.0		ug/Kg		85	75 - 124	8	30
Cyclohexane	20.0	22.4		ug/Kg		112	67 - 135	14	30
Dichlorobromomethane	20.0	19.5		ug/Kg		97	76 - 129	5	30
Dichlorodifluoromethane	20.0	24.5		ug/Kg		122	72 - 127	24	30
Ethylbenzene	20.0	19.4		ug/Kg		97	79 - 124	9	30
Ethylene Dibromide	20.0	17.2		ug/Kg		86	80 - 122	1	30
Isopropylbenzene	20.0	20.1		ug/Kg		101	80 - 125	13	30
Methyl acetate	40.0	36.5		ug/Kg		91	73 - 123	9	30
Methyl tert-butyl ether	20.0	20.9		ug/Kg		105	80 - 120	1	30
Methylcyclohexane	20.0	21.7		ug/Kg		109	71 - 137	12	30
Methylene Chloride	20.0	19.0		ug/Kg		95	79 - 128	12	30
Styrene	20.0	18.8		ug/Kg		94	78 - 123	5	30
Tetrachloroethene	20.0	19.6		ug/Kg		98	73 - 130	13	30
Toluene	20.0	22.6		ug/Kg		113	75 - 122	7	30
trans-1,2-Dichloroethene	20.0	20.6		ug/Kg		103	80 - 129	14	30
trans-1,3-Dichloropropene	20.0	16.2		ug/Kg		81	72 - 121	3	30
Trichloroethene	20.0	20.9		ug/Kg		104	79 - 122	11	30
Trichlorofluoromethane	20.0	20.2		ug/Kg		101	68 - 136	20	30
Vinyl chloride	20.0	23.3		ug/Kg		117	70 - 134	21	30
Xylenes, Total	40.0	38.7		ug/Kg		97	79 - 122	9	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		78 - 135
4-Bromofluorobenzene	105		67 - 126
Dibromofluoromethane (Surr)	115		61 - 149
Toluene-d8 (Surr)	104		73 - 121

Lab Sample ID: LB3 460-629178/1-A

Matrix: Solid

Analysis Batch: 629072

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 629178

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.23	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.30	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.18	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
1,1-Dichloroethane	1.0	U	1.0	0.21	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.36	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.46	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.14	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
1,2-Dichloroethane	1.0	U	1.0	0.30	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
1,2-Dichloropropane	1.0	U	1.0	0.42	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.16	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
1,4-Dichlorobenzene	1.0	U	1.0	0.23	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
2-Butanone (MEK)	5.0	U	5.0	2.7	ug/Kg		08/02/19 10:38	08/02/19 16:21	1

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-2

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

Lab Sample ID: LB3 460-629178/1-A

Matrix: Solid

Analysis Batch: 629072

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 629178

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	5.0	U	5.0	1.7	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.6	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Acetone	6.0	U	6.0	5.7	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Benzene	1.0	U	1.0	0.26	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Bromoform	1.0	U	1.0	0.43	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Bromomethane	1.0	U	1.0	0.47	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Carbon disulfide	1.0	U	1.0	0.27	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Carbon tetrachloride	1.0	U	1.0	0.39	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Chlorobenzene	1.0	U	1.0	0.18	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Chlorodibromomethane	1.0	U	1.0	0.19	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Chloroethane	1.0	U	1.0	0.52	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Chloroform	1.0	U	1.0	0.32	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Chloromethane	1.0	U	1.0	0.44	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Cyclohexane	1.0	U	1.0	0.22	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Dichlorobromomethane	1.0	U	1.0	0.26	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Dichlorodifluoromethane	1.0	U	1.0	0.34	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Ethylbenzene	1.0	U	1.0	0.20	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Ethylene Dibromide	1.0	U	1.0	0.18	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Methyl acetate	5.0	U	5.0	4.3	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Methyl tert-butyl ether	1.0	U	1.0	0.13	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Methylcyclohexane	1.0	U	1.0	0.50	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Methylene Chloride	1.0	U	1.0	0.46	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Styrene	1.0	U	1.0	0.28	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Tetrachloroethene	1.0	U	1.0	0.14	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Toluene	1.0	U	1.0	0.23	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Trichloroethene	1.0	U	1.0	0.14	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Trichlorofluoromethane	1.0	U	1.0	0.41	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Vinyl chloride	1.0	U	1.0	0.55	ug/Kg		08/02/19 10:38	08/02/19 16:21	1
Xylenes, Total	0.188	J	2.0	0.17	ug/Kg		08/02/19 10:38	08/02/19 16:21	1

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		78 - 135	08/02/19 10:38	08/02/19 16:21	1
4-Bromofluorobenzene	110		67 - 126	08/02/19 10:38	08/02/19 16:21	1
Dibromofluoromethane (Surr)	118		61 - 149	08/02/19 10:38	08/02/19 16:21	1
Toluene-d8 (Surr)	103		73 - 121	08/02/19 10:38	08/02/19 16:21	1

Method: Moisture - Percent Moisture

Lab Sample ID: 460-188042-F-5 DU

Matrix: Solid

Analysis Batch: 629216

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	41.6		40.8		%		2	20

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.

Job ID: 460-185156-2

Project/Site: Former Cleaners Product: #241123,Sunnysi

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 460-188042-F-5 DU

Matrix: Solid

Analysis Batch: 629216

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	58.4		59.2		%		1	20

QC Association Summary

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-2

GC/MS VOA

Analysis Batch: 629072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185156-1	Waste_Characterization	Total/NA	Solid	8260C	629178
LB3 460-629178/1-A	Method Blank	Total/NA	Solid	8260C	629178
MB 460-629072/9	Method Blank	Total/NA	Solid	8260C	
LCS 460-629072/4	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-629072/5	Lab Control Sample Dup	Total/NA	Solid	8260C	

Prep Batch: 629178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185156-1	Waste_Characterization	Total/NA	Solid	5035	
LB3 460-629178/1-A	Method Blank	Total/NA	Solid	5035	

General Chemistry

Analysis Batch: 629216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185156-1	Waste_Characterization	Total/NA	Solid	Moisture	
460-188042-F-5 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Former Cleaners Product: #241123,Sunnysi

Job ID: 460-185156-2

Client Sample ID: Waste_Characterization

Date Collected: 06/19/19 11:55

Date Received: 06/20/19 16:05

Lab Sample ID: 460-185156-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	629216	08/02/19 14:03	MMC	TAL EDI

Client Sample ID: Waste_Characterization

Date Collected: 06/19/19 11:55

Date Received: 06/20/19 16:05

Lab Sample ID: 460-185156-1

Matrix: Solid

Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			629178	08/02/19 10:38	DBM	TAL EDI
Total/NA	Analysis	8260C		1	629072	08/02/19 16:47	AAT	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: New York State D.E.C.

Job ID: 460-185156-2

Project/Site: Former Cleaners Product: #241123,Sunnysi

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	11452	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: New York State D.E.C.

Job ID: 460-185156-2

Project/Site: Former Cleaners Product: #241123,Sunnysi

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.

Job ID: 460-185156-2

Project/Site: Former Cleaners Product: #241123,Sunnysi

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-185156-1	Waste_Characterization	Solid	06/19/19 11:55	06/20/19 16:05	

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Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-185156-2

Login Number: 185156

List Number: 1

Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
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 $<6\text{mm}$ (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.

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-189074-1

Client Project/Site: DEC - Sunnyside 50 Spill#241123

For:

New York State D.E.C.
625 Broadway
12th Floor
Albany, New York 12233-7017

Attn: Kyle Forster



Authorized for release by:
8/28/2019 10:50:54 AM

Julie Gilmore, Project Manager I
(484)685-0865
julie.gilmore@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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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.



Julie Gilmore
Project Manager I
8/28/2019 10:50:54 AM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

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)

Case Narrative

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

Job ID: 460-189074-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - Sunnyside 50 Spill#241123

Report Number: 460-189074-1

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 08/14/2019; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.7 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.

Carbon disulfide failed the recovery criteria low for LCS 460-633311/3. Refer to the QC report for details.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample Waste_Soil (460-189074-1) was analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 08/15/2019 and analyzed on 08/20/2019.

The continuing calibration verification (CCV) analyzed in batch 460-633311 was outside the method criteria for the following analytes: Chloromethane, Bromoform and Dichlorodifluoromethane. 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 analytes is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-633311 recovered outside control limits for the following analyte: Carbon disulfide.

No difficulties were encountered during the volatiles analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Sample Waste_Soil (460-189074-1) was analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 08/26/2019.

Case Narrative

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

Job ID: 460-189074-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

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Detection Summary

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

Client Sample ID: Waste_Soil

Lab Sample ID: 460-189074-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Butanone (MEK)	5.5		5.4	2.9	ug/Kg	1		✱	8260C	Total/NA
Acetone	250		6.5	6.2	ug/Kg	1		✱	8260C	Total/NA
Methyl acetate	8.8		5.4	4.7	ug/Kg	1		✱	8260C	Total/NA
Xylenes, Total	0.64	J	2.2	0.19	ug/Kg	1		✱	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

Client Sample ID: Waste_Soil

Lab Sample ID: 460-189074-1

Date Collected: 08/13/19 13:15

Matrix: Solid

Date Received: 08/14/19 19:20

Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.25	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
1,1,2,2-Tetrachloroethane	1.1	U	1.1	0.23	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U	1.1	0.33	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
1,1,2-Trichloroethane	1.1	U	1.1	0.19	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
1,1-Dichloroethane	1.1	U	1.1	0.22	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
1,1-Dichloroethene	1.1	U	1.1	0.24	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
1,2,4-Trichlorobenzene	1.1	U	1.1	0.39	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
1,2-Dibromo-3-Chloropropane	1.1	U	1.1	0.50	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
1,2-Dichlorobenzene	1.1	U	1.1	0.16	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
1,2-Dichloroethane	1.1	U	1.1	0.32	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
1,2-Dichloropropane	1.1	U	1.1	0.46	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
1,3-Dichlorobenzene	1.1	U	1.1	0.17	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
1,4-Dichlorobenzene	1.1	U	1.1	0.24	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
2-Butanone (MEK)	5.5		5.4	2.9	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
2-Hexanone	5.4	U	5.4	1.9	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
4-Methyl-2-pentanone (MIBK)	5.4	U	5.4	1.7	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Acetone	250		6.5	6.2	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Benzene	1.1	U	1.1	0.28	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Bromoform	1.1	U	1.1	0.46	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Bromomethane	1.1	U	1.1	0.52	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Carbon disulfide	1.1	U *	1.1	0.29	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Carbon tetrachloride	1.1	U	1.1	0.42	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Chlorobenzene	1.1	U	1.1	0.19	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Chlorodibromomethane	1.1	U	1.1	0.21	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Chloroethane	1.1	U	1.1	0.57	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Chloroform	1.1	U	1.1	0.35	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Chloromethane	1.1	U	1.1	0.47	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
cis-1,2-Dichloroethene	1.1	U	1.1	0.17	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
cis-1,3-Dichloropropene	1.1	U	1.1	0.30	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Cyclohexane	1.1	U	1.1	0.24	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Dichlorobromomethane	1.1	U	1.1	0.28	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Dichlorodifluoromethane	1.1	U	1.1	0.37	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Ethylbenzene	1.1	U	1.1	0.22	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Ethylene Dibromide	1.1	U	1.1	0.20	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Isopropylbenzene	1.1	U	1.1	0.14	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Methyl acetate	8.8		5.4	4.7	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Methyl tert-butyl ether	1.1	U	1.1	0.14	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Methylcyclohexane	1.1	U	1.1	0.54	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Methylene Chloride	1.1	U	1.1	0.50	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Styrene	1.1	U	1.1	0.30	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Tetrachloroethene	1.1	U	1.1	0.16	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Toluene	1.1	U	1.1	0.25	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
trans-1,2-Dichloroethene	1.1	U	1.1	0.27	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
trans-1,3-Dichloropropene	1.1	U	1.1	0.29	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Trichloroethene	1.1	U	1.1	0.16	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Trichlorofluoromethane	1.1	U	1.1	0.44	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Vinyl chloride	1.1	U	1.1	0.59	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1
Xylenes, Total	0.64	J	2.2	0.19	ug/Kg	☼	08/15/19 10:46	08/20/19 02:18	1

Eurofins TestAmerica, Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

Client Sample ID: Waste_Soil

Date Collected: 08/13/19 13:15

Date Received: 08/14/19 19:20

Lab Sample ID: 460-189074-1

Matrix: Solid

Percent Solids: 95.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		78 - 135	08/15/19 10:46	08/20/19 02:18	1
4-Bromofluorobenzene	89		67 - 126	08/15/19 10:46	08/20/19 02:18	1
Dibromofluoromethane (Surr)	98		61 - 149	08/15/19 10:46	08/20/19 02:18	1
Toluene-d8 (Surr)	91		73 - 121	08/15/19 10:46	08/20/19 02:18	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.4		1.0	1.0	%			08/26/19 10:56	1
Percent Solids	95.6		1.0	1.0	%			08/26/19 10:56	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (78-135)	BFB (67-126)	DBFM (61-149)	TOL (73-121)
460-189074-1	Waste_Soil	92	89	98	91
LCS 460-633311/3	Lab Control Sample	87	88	97	92
LCSD 460-633311/4	Lab Control Sample Dup	88	87	97	92
MB 460-633311/8	Method Blank	91	87	97	90

Surrogate Legend

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

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

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

Lab Sample ID: MB 460-633311/8

Matrix: Solid

Analysis Batch: 633311

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	1.0	U	1.0	0.23	ug/Kg			08/19/19 19:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/Kg			08/19/19 19:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.30	ug/Kg			08/19/19 19:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.18	ug/Kg			08/19/19 19:43	1
1,1-Dichloroethane	1.0	U	1.0	0.21	ug/Kg			08/19/19 19:43	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/Kg			08/19/19 19:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.36	ug/Kg			08/19/19 19:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.46	ug/Kg			08/19/19 19:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.14	ug/Kg			08/19/19 19:43	1
1,2-Dichloroethane	1.0	U	1.0	0.30	ug/Kg			08/19/19 19:43	1
1,2-Dichloropropane	1.0	U	1.0	0.42	ug/Kg			08/19/19 19:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.16	ug/Kg			08/19/19 19:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.23	ug/Kg			08/19/19 19:43	1
2-Butanone (MEK)	5.0	U	5.0	2.7	ug/Kg			08/19/19 19:43	1
2-Hexanone	5.0	U	5.0	1.7	ug/Kg			08/19/19 19:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.6	ug/Kg			08/19/19 19:43	1
Acetone	6.0	U	6.0	5.7	ug/Kg			08/19/19 19:43	1
Benzene	1.0	U	1.0	0.26	ug/Kg			08/19/19 19:43	1
Bromoform	1.0	U	1.0	0.43	ug/Kg			08/19/19 19:43	1
Bromomethane	1.0	U	1.0	0.47	ug/Kg			08/19/19 19:43	1
Carbon disulfide	1.0	U	1.0	0.27	ug/Kg			08/19/19 19:43	1
Carbon tetrachloride	1.0	U	1.0	0.39	ug/Kg			08/19/19 19:43	1
Chlorobenzene	1.0	U	1.0	0.18	ug/Kg			08/19/19 19:43	1
Chlorodibromomethane	1.0	U	1.0	0.19	ug/Kg			08/19/19 19:43	1
Chloroethane	1.0	U	1.0	0.52	ug/Kg			08/19/19 19:43	1
Chloroform	1.0	U	1.0	0.32	ug/Kg			08/19/19 19:43	1
Chloromethane	1.0	U	1.0	0.44	ug/Kg			08/19/19 19:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/Kg			08/19/19 19:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg			08/19/19 19:43	1
Cyclohexane	1.0	U	1.0	0.22	ug/Kg			08/19/19 19:43	1
Dichlorobromomethane	1.0	U	1.0	0.26	ug/Kg			08/19/19 19:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.34	ug/Kg			08/19/19 19:43	1
Ethylbenzene	1.0	U	1.0	0.20	ug/Kg			08/19/19 19:43	1
Ethylene Dibromide	1.0	U	1.0	0.18	ug/Kg			08/19/19 19:43	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/Kg			08/19/19 19:43	1
Methyl acetate	5.0	U	5.0	4.3	ug/Kg			08/19/19 19:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.13	ug/Kg			08/19/19 19:43	1
Methylcyclohexane	1.0	U	1.0	0.50	ug/Kg			08/19/19 19:43	1
Methylene Chloride	1.0	U	1.0	0.46	ug/Kg			08/19/19 19:43	1
Styrene	1.0	U	1.0	0.28	ug/Kg			08/19/19 19:43	1
Tetrachloroethene	1.0	U	1.0	0.14	ug/Kg			08/19/19 19:43	1
Toluene	1.0	U	1.0	0.23	ug/Kg			08/19/19 19:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/Kg			08/19/19 19:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg			08/19/19 19:43	1
Trichloroethene	1.0	U	1.0	0.14	ug/Kg			08/19/19 19:43	1
Trichlorofluoromethane	1.0	U	1.0	0.41	ug/Kg			08/19/19 19:43	1
Vinyl chloride	1.0	U	1.0	0.55	ug/Kg			08/19/19 19:43	1
Xylenes, Total	2.0	U	2.0	0.17	ug/Kg			08/19/19 19:43	1

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

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

Lab Sample ID: MB 460-633311/8

Matrix: Solid

Analysis Batch: 633311

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		78 - 135		08/19/19 19:43	1
4-Bromofluorobenzene	87		67 - 126		08/19/19 19:43	1
Dibromofluoromethane (Surr)	97		61 - 149		08/19/19 19:43	1
Toluene-d8 (Surr)	90		73 - 121		08/19/19 19:43	1

Lab Sample ID: LCS 460-633311/3

Matrix: Solid

Analysis Batch: 633311

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	20.0	17.1		ug/Kg		85	80 - 125
1,1,1,2-Tetrachloroethane	20.0	20.0		ug/Kg		100	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.1		ug/Kg		95	78 - 132
1,1,2-Trichloroethane	20.0	19.2		ug/Kg		96	76 - 124
1,1-Dichloroethane	20.0	19.3		ug/Kg		96	80 - 124
1,1-Dichloroethene	20.0	20.0		ug/Kg		100	79 - 132
1,2,4-Trichlorobenzene	20.0	19.8		ug/Kg		99	74 - 124
1,2-Dibromo-3-Chloropropane	20.0	17.6		ug/Kg		88	65 - 129
1,2-Dichlorobenzene	20.0	19.4		ug/Kg		97	80 - 121
1,2-Dichloroethane	20.0	17.9		ug/Kg		89	68 - 120
1,2-Dichloropropane	20.0	17.3		ug/Kg		87	77 - 124
1,3-Dichlorobenzene	20.0	19.3		ug/Kg		97	79 - 124
1,4-Dichlorobenzene	20.0	19.0		ug/Kg		95	79 - 121
2-Butanone (MEK)	100	96.1		ug/Kg		96	61 - 140
2-Hexanone	100	82.4		ug/Kg		82	78 - 120
4-Methyl-2-pentanone (MIBK)	100	87.4		ug/Kg		87	80 - 120
Acetone	100	101		ug/Kg		101	75 - 120
Benzene	20.0	19.8		ug/Kg		99	75 - 127
Bromoform	20.0	15.6		ug/Kg		78	19 - 150
Bromomethane	20.0	18.9		ug/Kg		94	59 - 136
Carbon disulfide	20.0	14.7	*	ug/Kg		73	74 - 130
Carbon tetrachloride	20.0	16.5		ug/Kg		82	77 - 138
Chlorobenzene	20.0	18.7		ug/Kg		93	80 - 120
Chlorodibromomethane	20.0	16.2		ug/Kg		81	67 - 143
Chloroethane	20.0	17.1		ug/Kg		86	50 - 139
Chloroform	20.0	19.5		ug/Kg		97	80 - 122
Chloromethane	20.0	15.8		ug/Kg		79	66 - 128
cis-1,2-Dichloroethene	20.0	20.4		ug/Kg		102	80 - 123
cis-1,3-Dichloropropene	20.0	17.4		ug/Kg		87	75 - 124
Cyclohexane	20.0	17.9		ug/Kg		90	67 - 135
Dichlorobromomethane	20.0	16.4		ug/Kg		82	76 - 129
Dichlorodifluoromethane	20.0	16.1		ug/Kg		80	72 - 127
Ethylbenzene	20.0	19.1		ug/Kg		96	79 - 124
Ethylene Dibromide	20.0	18.6		ug/Kg		93	80 - 122
Isopropylbenzene	20.0	19.0		ug/Kg		95	80 - 125
Methyl acetate	40.0	42.2		ug/Kg		105	73 - 123
Methyl tert-butyl ether	20.0	17.4		ug/Kg		87	80 - 120
Methylcyclohexane	20.0	18.2		ug/Kg		91	71 - 137

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

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

Lab Sample ID: LCS 460-633311/3

Matrix: Solid

Analysis Batch: 633311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	20.0	22.6		ug/Kg		113	79 - 128
Styrene	20.0	19.5		ug/Kg		97	78 - 123
Tetrachloroethene	20.0	18.2		ug/Kg		91	73 - 130
Toluene	20.0	18.6		ug/Kg		93	75 - 122
trans-1,2-Dichloroethene	20.0	20.7		ug/Kg		104	80 - 129
trans-1,3-Dichloropropene	20.0	16.7		ug/Kg		84	72 - 121
Trichloroethene	20.0	18.2		ug/Kg		91	79 - 122
Trichlorofluoromethane	20.0	17.1		ug/Kg		86	68 - 136
Vinyl chloride	20.0	17.3		ug/Kg		86	70 - 134
Xylenes, Total	40.0	38.5		ug/Kg		96	79 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		78 - 135
4-Bromofluorobenzene	88		67 - 126
Dibromofluoromethane (Surr)	97		61 - 149
Toluene-d8 (Surr)	92		73 - 121

Lab Sample ID: LCSD 460-633311/4

Matrix: Solid

Analysis Batch: 633311

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	17.0		ug/Kg		85	80 - 125	0	30
1,1,2,2-Tetrachloroethane	20.0	20.6		ug/Kg		103	72 - 131	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.8		ug/Kg		99	78 - 132	4	30
1,1,2-Trichloroethane	20.0	19.7		ug/Kg		99	76 - 124	2	30
1,1-Dichloroethane	20.0	18.9		ug/Kg		95	80 - 124	2	30
1,1-Dichloroethene	20.0	20.1		ug/Kg		101	79 - 132	1	30
1,2,4-Trichlorobenzene	20.0	18.6		ug/Kg		93	74 - 124	6	30
1,2-Dibromo-3-Chloropropane	20.0	17.4		ug/Kg		87	65 - 129	1	30
1,2-Dichlorobenzene	20.0	19.1		ug/Kg		95	80 - 121	2	30
1,2-Dichloroethane	20.0	18.2		ug/Kg		91	68 - 120	2	30
1,2-Dichloropropane	20.0	17.4		ug/Kg		87	77 - 124	0	30
1,3-Dichlorobenzene	20.0	18.7		ug/Kg		93	79 - 124	3	30
1,4-Dichlorobenzene	20.0	18.6		ug/Kg		93	79 - 121	2	30
2-Butanone (MEK)	100	94.5		ug/Kg		95	61 - 140	2	30
2-Hexanone	100	81.5		ug/Kg		82	78 - 120	1	30
4-Methyl-2-pentanone (MIBK)	100	86.9		ug/Kg		87	80 - 120	1	30
Acetone	100	98.7		ug/Kg		99	75 - 120	2	30
Benzene	20.0	19.7		ug/Kg		98	75 - 127	1	30
Bromoform	20.0	16.3		ug/Kg		82	19 - 150	4	30
Bromomethane	20.0	18.4		ug/Kg		92	59 - 136	2	30
Carbon disulfide	20.0	14.8		ug/Kg		74	74 - 130	1	30
Carbon tetrachloride	20.0	16.5		ug/Kg		83	77 - 138	0	30
Chlorobenzene	20.0	18.7		ug/Kg		93	80 - 120	0	30
Chlorodibromomethane	20.0	16.8		ug/Kg		84	67 - 143	4	30
Chloroethane	20.0	16.9		ug/Kg		85	50 - 139	1	30
Chloroform	20.0	19.2		ug/Kg		96	80 - 122	1	30

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

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

Lab Sample ID: LCSD 460-633311/4

Matrix: Solid

Analysis Batch: 633311

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	20.0	15.5		ug/Kg		77	66 - 128	2	30
cis-1,2-Dichloroethene	20.0	20.3		ug/Kg		101	80 - 123	0	30
cis-1,3-Dichloropropene	20.0	17.3		ug/Kg		86	75 - 124	1	30
Cyclohexane	20.0	18.0		ug/Kg		90	67 - 135	0	30
Dichlorobromomethane	20.0	16.6		ug/Kg		83	76 - 129	1	30
Dichlorodifluoromethane	20.0	16.7		ug/Kg		84	72 - 127	4	30
Ethylbenzene	20.0	18.4		ug/Kg		92	79 - 124	4	30
Ethylene Dibromide	20.0	18.9		ug/Kg		95	80 - 122	2	30
Isopropylbenzene	20.0	18.4		ug/Kg		92	80 - 125	4	30
Methyl acetate	40.0	44.2		ug/Kg		110	73 - 123	5	30
Methyl tert-butyl ether	20.0	17.8		ug/Kg		89	80 - 120	2	30
Methylcyclohexane	20.0	17.8		ug/Kg		89	71 - 137	2	30
Methylene Chloride	20.0	22.9		ug/Kg		114	79 - 128	1	30
Styrene	20.0	19.3		ug/Kg		96	78 - 123	1	30
Tetrachloroethene	20.0	18.1		ug/Kg		91	73 - 130	1	30
Toluene	20.0	18.3		ug/Kg		91	75 - 122	2	30
trans-1,2-Dichloroethene	20.0	20.7		ug/Kg		103	80 - 129	0	30
trans-1,3-Dichloropropene	20.0	16.7		ug/Kg		84	72 - 121	0	30
Trichloroethene	20.0	18.2		ug/Kg		91	79 - 122	0	30
Trichlorofluoromethane	20.0	17.2		ug/Kg		86	68 - 136	1	30
Vinyl chloride	20.0	17.5		ug/Kg		87	70 - 134	1	30
Xylenes, Total	40.0	37.4		ug/Kg		93	79 - 122	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		78 - 135
4-Bromofluorobenzene	87		67 - 126
Dibromofluoromethane (Surr)	97		61 - 149
Toluene-d8 (Surr)	92		73 - 121

Method: Moisture - Percent Moisture

Lab Sample ID: 460-189644-E-10 DU

Matrix: Solid

Analysis Batch: 634981

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	8.5		8.3		%		3	20
Percent Solids	91.5		91.7		%		0.3	20

QC Association Summary

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

GC/MS VOA

Prep Batch: 632407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-189074-1	Waste_Soil	Total/NA	Solid	5035	

Analysis Batch: 633311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-189074-1	Waste_Soil	Total/NA	Solid	8260C	632407
MB 460-633311/8	Method Blank	Total/NA	Solid	8260C	
LCS 460-633311/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-633311/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

General Chemistry

Analysis Batch: 634981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-189074-1	Waste_Soil	Total/NA	Solid	Moisture	
460-189644-E-10 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

Client Sample ID: Waste_Soil

Date Collected: 08/13/19 13:15

Date Received: 08/14/19 19:20

Lab Sample ID: 460-189074-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	634981	08/26/19 10:56	MMC	TAL EDI

Client Sample ID: Waste_Soil

Date Collected: 08/13/19 13:15

Date Received: 08/14/19 19:20

Lab Sample ID: 460-189074-1

Matrix: Solid

Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			632407	08/15/19 10:46	DBM	TAL EDI
Total/NA	Analysis	8260C		1	633311	08/20/19 02:18	AAT	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

Laboratory: Eurofins TestAmerica, Edison

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-20
Connecticut	State Program	PH-0200	09-30-20
DE Haz. Subst. Cleanup Act (HSCA)	State Program	N/A	12-31-19
New Jersey	NELAP	12028	06-30-20
New Jersey	NELAP	12028	06-30-20
New York	NELAP	11452	04-01-20
New York	NELAP	11452	04-01-20
Pennsylvania	NELAP	68-00522	02-28-20
Pennsylvania	NELAP	68-00522	02-28-20
Rhode Island	State	LAO00132	12-30-19
Rhode Island	State Program	LAO00132	12-30-19
USDA	Federal	NJCA-003-08	05-03-21
USDA	US Federal Programs	P330-18-00135	05-03-21

Method Summary

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.
Project/Site: DEC - Sunnyside 50 Spill#241123

Job ID: 460-189074-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-189074-1	Waste_Soil	Solid	08/13/19 13:15	08/14/19 19:20	

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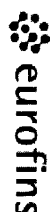
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Environment Testing TestAmerica

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1[illegible]

Special Instructions HYSDCC CAT 19' DECEMBER 1985.

Water Metals Field Filtered (Yes/No)?

Relinquished by <i>M. A. T.</i>	Company <i>SW</i>	Date / Time <i>1600 13 Mar 91</i>	Received by <i>1)</i> <i>SAMPLE REEFER</i>	Company <i>SW</i>
Relinquished by <i>EARL ROOSE</i>	Company <i>EARL</i>	Date / Time <i>8-24-79 12:150</i>	Received by <i>WILLIAM A. VIGORITA</i>	Company <i>EARL</i>
Relinquished by <i>WILLIAM A. VIGORITA</i>	Company <i>EARL</i>	Date / Time <i>8-24-79 12:150</i>	Received by <i>[Signature]</i>	Company <i>J. A.</i>
Relinquished by <i>[Signature]</i>	Company <i>T. H.</i>	Date / Time <i>8/14/79 11:16.00</i>	Received by <i>TIM TAP</i>	Company <i>TA EO1502</i>

Laboratory Certifications: New Jersey (12028), New York (14452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
TAL - 0016 (0715)

189074

TALS Sample Number	Ammonia	COD	Nitrate Nitrite	* Metals	Hardness	Pest	EPH or QAM	Phenols	Sulfide	TKN	TOC	Total Cyanide	Total Phos	Other	Other
(pH<2)	(pH<2)	(pH<2)	(pH<2)	(pH<2)	(pH 5-9)	(pH<2)	(pH<2)	(pH<2)	(pH>9)	(pH<2)	(pH<2)	(pH>12)	(pH<2)		

[illegible]

Date: 8/14/19

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-189074-1

Login Number: 189074

List Source: Eurofins TestAmerica, Edison

List Number: 1

Creator: DiGuardia, Joseph L

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-193706-1

Client Project/Site: DEC - SUNNYSIDE50 Spill#241123

For:

New York State D.E.C.
625 Broadway
12th Floor
Albany, New York 12233-7017

Attn: Kyle Forster



Authorized for release by:
10/23/2019 4:39:54 PM

Julie Gilmore, Project Manager I
(484)685-0865
julie.gilmore@testamericainc.com

LINKS

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results through

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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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.



Julie Gilmore
Project Manager I
10/23/2019 4:39:54 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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)

Case Narrative

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Job ID: 460-193706-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - SUNNYSIDE50 Spill#241123

Report Number: 460-193706-1

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 10/09/2019; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.9 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.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample WASTE_CLASS-DEVEL (460-193706-1) was analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C (1311). The samples were leached on 10/13/2019 and analyzed on 10/18/2019.

1,1-Dichloroethene failed the recovery criteria high for the MS/MSD of sample 460-193684-1 in batch 460-648166.

Refer to the QC report for details.

Sample WASTE_CLASS-DEVEL (460-193706-1)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the TCLP volatiles analysis.

All other quality control parameters were within the acceptance limits.

1,1-Dichloroethene and Vinyl chloride failed the recovery criteria high for LCS 460-648166/3. Refer to the QC report for details.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample WASTE_CLASS-DEVEL (460-193706-1) was analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 10/21/2019.

The continuing calibration verification (CCV) associated with batch 460-648166 recovered above the upper control limit for

Case Narrative

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Job ID: 460-193706-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

1,1-Dichloroethene and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 460-648166 recovered outside control limits for the following analytes:

1,1-Dichloroethene and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-649128 recovered above the upper control limit for Bromomethane and Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-649128 recovered outside control limits for the following analytes: Chloromethane and Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Bromomethane and Chloroethane failed the recovery criteria high for LCS 460-649128/3. Bromomethane and Chloroethane failed the recovery criteria high for LCSD 460-649128/4. 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.

IGNITABILITY

Sample WASTE_CLASS-DEVEL (460-193706-1) was analyzed for Ignitability in accordance with EPA SW-846 Method 1020B. The samples were analyzed on 10/23/2019.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

TCLP METALS

Sample WASTE_CLASS-DEVEL (460-193706-1) was analyzed for TCLP metals in accordance with 6010D. The samples were leached on 10/13/2019, and prepared and analyzed on 10/14/2019.

for the duplicate of sample 460-193574-10. Refer to the QC report for details.

No other difficulties were encountered during the TCLP metals analysis.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Sample WASTE_CLASS-DEVEL (460-193706-1) was analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 10/13/2019, and prepared and analyzed on 10/15/2019.

No difficulties were encountered during the TCLP Hg analysis.

All quality control parameters were within the acceptance limits.

PH (FIELD)

Sample WASTE_CLASS-DEVEL (460-193706-1) was analyzed for pH (Field) in accordance with EPA SW-846 Method 9040C. The samples were analyzed on 10/13/2019.

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

Case Narrative

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Job ID: 460-193706-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

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Detection Summary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Client Sample ID: WASTE_CLASS-DEVEL

Lab Sample ID: 460-193706-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.33	J	1.0	0.25	ug/L	1		8260C	Total/NA
Barium	250	J	1000	38.4	ug/L	5		6010D	TCLP
Ignitability	>160				Degrees F	1		1020B	Total/NA
pH	7.4	HF			SU	1		9040C	Total/NA
Corrosivity	7.4	HF			SU	1		9040C	Total/NA
Temperature	19.9	HF			Degrees C	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Client Sample ID: WASTE_CLASS-DEVEL

Lab Sample ID: 460-193706-1

Date Collected: 10/08/19 13:00

Matrix: Water

Date Received: 10/09/19 18:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			10/21/19 23:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			10/21/19 23:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/21/19 23:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			10/21/19 23:10	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			10/21/19 23:10	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			10/21/19 23:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			10/21/19 23:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			10/21/19 23:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			10/21/19 23:10	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			10/21/19 23:10	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			10/21/19 23:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			10/21/19 23:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			10/21/19 23:10	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			10/21/19 23:10	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			10/21/19 23:10	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			10/21/19 23:10	1
Acetone	5.0	U	5.0	4.4	ug/L			10/21/19 23:10	1
Benzene	1.0	U	1.0	0.20	ug/L			10/21/19 23:10	1
Bromoform	1.0	U	1.0	0.54	ug/L			10/21/19 23:10	1
Bromomethane	1.0	U *	1.0	0.55	ug/L			10/21/19 23:10	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			10/21/19 23:10	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			10/21/19 23:10	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/21/19 23:10	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			10/21/19 23:10	1
Chloroethane	1.0	U *	1.0	0.32	ug/L			10/21/19 23:10	1
Chloroform	1.0	U	1.0	0.33	ug/L			10/21/19 23:10	1
Chloromethane	1.0	U	1.0	0.40	ug/L			10/21/19 23:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			10/21/19 23:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			10/21/19 23:10	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			10/21/19 23:10	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			10/21/19 23:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			10/21/19 23:10	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			10/21/19 23:10	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			10/21/19 23:10	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			10/21/19 23:10	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			10/21/19 23:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			10/21/19 23:10	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			10/21/19 23:10	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			10/21/19 23:10	1
Styrene	1.0	U	1.0	0.42	ug/L			10/21/19 23:10	1
Tetrachloroethene	0.33	J	1.0	0.25	ug/L			10/21/19 23:10	1
Toluene	1.0	U	1.0	0.38	ug/L			10/21/19 23:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			10/21/19 23:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			10/21/19 23:10	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			10/21/19 23:10	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			10/21/19 23:10	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			10/21/19 23:10	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			10/21/19 23:10	1

Eurofins TestAmerica, Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Client Sample ID: WASTE_CLASS-DEVEL

Lab Sample ID: 460-193706-1

Date Collected: 10/08/19 13:00

Matrix: Water

Date Received: 10/09/19 18:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		74 - 132		10/21/19 23:10	1
4-Bromofluorobenzene	101		77 - 124		10/21/19 23:10	1
Dibromofluoromethane (Surr)	108		72 - 131		10/21/19 23:10	1
Toluene-d8 (Surr)	102		80 - 120		10/21/19 23:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U *	0.010	0.0026	mg/L			10/18/19 04:18	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			10/18/19 04:18	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			10/18/19 04:18	10
Benzene	0.010	U	0.010	0.0020	mg/L			10/18/19 04:18	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			10/18/19 04:18	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			10/18/19 04:18	10
Chloroform	0.010	U	0.010	0.0033	mg/L			10/18/19 04:18	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			10/18/19 04:18	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			10/18/19 04:18	10
Vinyl chloride	0.010	U *	0.010	0.0017	mg/L			10/18/19 04:18	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		74 - 132		10/18/19 04:18	10
4-Bromofluorobenzene	79		77 - 124		10/18/19 04:18	10
Dibromofluoromethane (Surr)	86		72 - 131		10/18/19 04:18	10
Toluene-d8 (Surr)	88		80 - 120		10/18/19 04:18	10

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	50.0	U	50.0	5.4	ug/L		10/14/19 12:05	10/14/19 23:28	5
Arsenic	75.0	U	75.0	13.3	ug/L		10/14/19 12:05	10/14/19 23:28	5
Barium	250	J	1000	38.4	ug/L		10/14/19 12:05	10/14/19 23:28	5
Cadmium	20.0	U	20.0	1.1	ug/L		10/14/19 12:05	10/14/19 23:28	5
Chromium	50.0	U	50.0	6.3	ug/L		10/14/19 12:05	10/14/19 23:28	5
Lead	50.0	U	50.0	12.3	ug/L		10/14/19 12:05	10/14/19 23:28	5
Selenium	100	U	100	33.0	ug/L		10/14/19 12:05	10/14/19 23:28	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		10/15/19 13:51	10/15/19 15:48	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	>160				Degrees F			10/23/19 15:40	1
pH	7.4	HF			SU			10/13/19 14:52	1
Corrosivity	7.4	HF			SU			10/13/19 14:52	1
Temperature	19.9	HF			Degrees C			10/13/19 14:52	1

Eurofins TestAmerica, Edison

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (74-132)	BFB (77-124)	DBFM (72-131)	TOL (80-120)
460-193706-1	WASTE_CLASS-DEVEL	103	101	108	102
LCS 460-647763/3	Lab Control Sample	96	101	98	102
LCS 460-648166/3	Lab Control Sample	87	85	89	94
LCS 460-649128/3	Lab Control Sample	100	101	106	99
LCSD 460-649128/4	Lab Control Sample Dup	101	100	107	100
MB 460-647763/8	Method Blank	100	97	100	99
MB 460-648166/9	Method Blank	88	83	90	92
MB 460-649128/9	Method Blank	103	100	108	100

Surrogate Legend

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

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (74-132)	BFB (77-124)	DBFM (72-131)	TOL (80-120)
460-193684-H-1-A MS	Matrix Spike	89	85	87	96
460-193684-H-1-A MSD	Matrix Spike Duplicate	87	80	87	91
460-193706-1	WASTE_CLASS-DEVEL	85	79	86	88
LB 460-646905/1-A	Method Blank	102	97	102	102

Surrogate Legend

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

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

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

Lab Sample ID: MB 460-647763/8

Matrix: Water

Analysis Batch: 647763

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			10/16/19 23:11	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			10/16/19 23:11	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			10/16/19 23:11	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			10/16/19 23:11	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			10/16/19 23:11	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			10/16/19 23:11	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			10/16/19 23:11	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			10/16/19 23:11	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			10/16/19 23:11	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			10/16/19 23:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		74 - 132		10/16/19 23:11	1
4-Bromofluorobenzene	97		77 - 124		10/16/19 23:11	1
Dibromofluoromethane (Surr)	100		72 - 131		10/16/19 23:11	1
Toluene-d8 (Surr)	99		80 - 120		10/16/19 23:11	1

Lab Sample ID: LCS 460-647763/3

Matrix: Water

Analysis Batch: 647763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0190		mg/L		95	74 - 123
1,2-Dichloroethane	0.0200	0.0210		mg/L		105	76 - 121
2-Butanone (MEK)	0.100	0.109		mg/L		109	64 - 120
Benzene	0.0200	0.0213		mg/L		106	77 - 121
Carbon tetrachloride	0.0200	0.0190		mg/L		95	70 - 132
Chlorobenzene	0.0200	0.0218		mg/L		109	80 - 120
Chloroform	0.0200	0.0210		mg/L		105	80 - 120
Tetrachloroethene	0.0200	0.0219		mg/L		110	78 - 122
Trichloroethene	0.0200	0.0192		mg/L		96	77 - 120
Vinyl chloride	0.0200	0.0218		mg/L		109	62 - 138

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		74 - 132
4-Bromofluorobenzene	101		77 - 124
Dibromofluoromethane (Surr)	98		72 - 131
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 460-648166/9

Matrix: Water

Analysis Batch: 648166

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			10/17/19 23:41	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			10/17/19 23:41	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			10/17/19 23:41	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			10/17/19 23:41	1

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

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

Lab Sample ID: MB 460-648166/9

Matrix: Water

Analysis Batch: 648166

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			10/17/19 23:41	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			10/17/19 23:41	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			10/17/19 23:41	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			10/17/19 23:41	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			10/17/19 23:41	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			10/17/19 23:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		74 - 132		10/17/19 23:41	1
4-Bromofluorobenzene	83		77 - 124		10/17/19 23:41	1
Dibromofluoromethane (Surr)	90		72 - 131		10/17/19 23:41	1
Toluene-d8 (Surr)	92		80 - 120		10/17/19 23:41	1

Lab Sample ID: LCS 460-648166/3

Matrix: Water

Analysis Batch: 648166

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0268	*	mg/L		134	74 - 123
1,2-Dichloroethane	0.0200	0.0186		mg/L		93	76 - 121
2-Butanone (MEK)	0.100	0.111		mg/L		111	64 - 120
Benzene	0.0200	0.0210		mg/L		105	77 - 121
Carbon tetrachloride	0.0200	0.0206		mg/L		103	70 - 132
Chlorobenzene	0.0200	0.0209		mg/L		105	80 - 120
Chloroform	0.0200	0.0199		mg/L		100	80 - 120
Tetrachloroethene	0.0200	0.0180		mg/L		90	78 - 122
Trichloroethene	0.0200	0.0188		mg/L		94	77 - 120
Vinyl chloride	0.0200	0.0288	*	mg/L		144	62 - 138

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		74 - 132
4-Bromofluorobenzene	85		77 - 124
Dibromofluoromethane (Surr)	89		72 - 131
Toluene-d8 (Surr)	94		80 - 120

Lab Sample ID: MB 460-649128/9

Matrix: Water

Analysis Batch: 649128

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	1.0	U	1.0	0.24	ug/L			10/21/19 21:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			10/21/19 21:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/21/19 21:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			10/21/19 21:36	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			10/21/19 21:36	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			10/21/19 21:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			10/21/19 21:36	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			10/21/19 21:36	1

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

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

Lab Sample ID: MB 460-649128/9

Matrix: Water

Analysis Batch: 649128

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			10/21/19 21:36	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			10/21/19 21:36	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			10/21/19 21:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			10/21/19 21:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			10/21/19 21:36	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			10/21/19 21:36	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			10/21/19 21:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			10/21/19 21:36	1
Acetone	5.0	U	5.0	4.4	ug/L			10/21/19 21:36	1
Benzene	1.0	U	1.0	0.20	ug/L			10/21/19 21:36	1
Bromoform	1.0	U	1.0	0.54	ug/L			10/21/19 21:36	1
Bromomethane	1.0	U	1.0	0.55	ug/L			10/21/19 21:36	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			10/21/19 21:36	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			10/21/19 21:36	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/21/19 21:36	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			10/21/19 21:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/21/19 21:36	1
Chloroform	1.0	U	1.0	0.33	ug/L			10/21/19 21:36	1
Chloromethane	1.0	U	1.0	0.40	ug/L			10/21/19 21:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			10/21/19 21:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			10/21/19 21:36	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			10/21/19 21:36	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			10/21/19 21:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			10/21/19 21:36	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			10/21/19 21:36	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			10/21/19 21:36	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			10/21/19 21:36	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			10/21/19 21:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			10/21/19 21:36	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			10/21/19 21:36	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			10/21/19 21:36	1
Styrene	1.0	U	1.0	0.42	ug/L			10/21/19 21:36	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			10/21/19 21:36	1
Toluene	1.0	U	1.0	0.38	ug/L			10/21/19 21:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			10/21/19 21:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			10/21/19 21:36	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			10/21/19 21:36	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			10/21/19 21:36	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			10/21/19 21:36	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			10/21/19 21:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		74 - 132		10/21/19 21:36	1
4-Bromofluorobenzene	100		77 - 124		10/21/19 21:36	1
Dibromofluoromethane (Surr)	108		72 - 131		10/21/19 21:36	1
Toluene-d8 (Surr)	100		80 - 120		10/21/19 21:36	1

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

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

Lab Sample ID: LCS 460-649128/3

Matrix: Water

Analysis Batch: 649128

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	20.0	21.2		ug/L		106	75 - 125
1,1,1,2-Tetrachloroethane	20.0	17.9		ug/L		90	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.2		ug/L		111	59 - 150
1,1,2-Trichloroethane	20.0	19.3		ug/L		96	78 - 120
1,1-Dichloroethane	20.0	21.2		ug/L		106	77 - 123
1,1-Dichloroethene	20.0	21.6		ug/L		108	74 - 123
1,2,4-Trichlorobenzene	20.0	21.2		ug/L		106	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	15.9		ug/L		80	55 - 134
1,2-Dichlorobenzene	20.0	20.3		ug/L		102	80 - 120
1,2-Dichloroethane	20.0	19.9		ug/L		100	76 - 121
1,2-Dichloropropane	20.0	21.1		ug/L		106	77 - 123
1,3-Dichlorobenzene	20.0	20.3		ug/L		101	80 - 120
1,4-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120
2-Butanone (MEK)	100	101		ug/L		101	64 - 120
2-Hexanone	100	103		ug/L		103	71 - 125
4-Methyl-2-pentanone (MIBK)	100	105		ug/L		105	78 - 124
Acetone	100	95.9		ug/L		96	39 - 150
Benzene	20.0	20.4		ug/L		102	77 - 121
Bromoform	20.0	17.2		ug/L		86	53 - 120
Bromomethane	20.0	31.8	*	ug/L		159	10 - 150
Carbon disulfide	20.0	20.3		ug/L		102	69 - 133
Carbon tetrachloride	20.0	20.4		ug/L		102	70 - 132
Chlorobenzene	20.0	20.5		ug/L		103	80 - 120
Chlorodibromomethane	20.0	18.5		ug/L		92	73 - 120
Chloroethane	20.0	30.5	*	ug/L		153	52 - 150
Chloroform	20.0	21.5		ug/L		107	80 - 120
Chloromethane	20.0	23.4		ug/L		117	56 - 131
cis-1,2-Dichloroethene	20.0	21.6		ug/L		108	80 - 120
cis-1,3-Dichloropropene	20.0	20.0		ug/L		100	77 - 120
Cyclohexane	20.0	21.8		ug/L		109	56 - 150
Dichlorobromomethane	20.0	20.4		ug/L		102	76 - 120
Dichlorodifluoromethane	20.0	20.8		ug/L		104	50 - 131
Ethylbenzene	20.0	19.9		ug/L		100	80 - 120
Ethylene Dibromide	20.0	18.8		ug/L		94	80 - 120
Isopropylbenzene	20.0	20.7		ug/L		103	80 - 123
Methyl acetate	40.0	38.1		ug/L		95	66 - 144
Methyl tert-butyl ether	20.0	20.3		ug/L		101	79 - 122
Methylcyclohexane	20.0	23.1		ug/L		116	61 - 145
Methylene Chloride	20.0	21.0		ug/L		105	77 - 123
Styrene	20.0	20.5		ug/L		102	80 - 120
Tetrachloroethene	20.0	21.3		ug/L		106	78 - 122
Toluene	20.0	19.7		ug/L		99	80 - 120
trans-1,2-Dichloroethene	20.0	22.0		ug/L		110	79 - 120
trans-1,3-Dichloropropene	20.0	19.2		ug/L		96	76 - 120
Trichloroethene	20.0	20.2		ug/L		101	77 - 120
Trichlorofluoromethane	20.0	21.8		ug/L		109	71 - 143
Vinyl chloride	20.0	20.4		ug/L		102	62 - 138
Xylenes, Total	40.0	40.2		ug/L		101	80 - 120

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		74 - 132
4-Bromofluorobenzene	101		77 - 124
Dibromofluoromethane (Surr)	106		72 - 131
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 460-649128/4

Matrix: Water

Analysis Batch: 649128

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	20.5		ug/L		103	75 - 125	3	30
1,1,2,2-Tetrachloroethane	20.0	17.9		ug/L		90	74 - 120	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.3		ug/L		106	59 - 150	4	30
1,1,2-Trichloroethane	20.0	19.0		ug/L		95	78 - 120	2	30
1,1-Dichloroethane	20.0	20.3		ug/L		101	77 - 123	4	30
1,1-Dichloroethene	20.0	20.6		ug/L		103	74 - 123	5	30
1,2,4-Trichlorobenzene	20.0	21.1		ug/L		105	80 - 124	1	30
1,2-Dibromo-3-Chloropropane	20.0	15.9		ug/L		79	55 - 134	1	30
1,2-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120	1	30
1,2-Dichloroethane	20.0	19.9		ug/L		100	76 - 121	0	30
1,2-Dichloropropane	20.0	20.7		ug/L		103	77 - 123	2	30
1,3-Dichlorobenzene	20.0	20.3		ug/L		102	80 - 120	0	30
1,4-Dichlorobenzene	20.0	20.1		ug/L		101	80 - 120	1	30
2-Butanone (MEK)	100	98.2		ug/L		98	64 - 120	3	30
2-Hexanone	100	101		ug/L		101	71 - 125	2	30
4-Methyl-2-pentanone (MIBK)	100	103		ug/L		103	78 - 124	2	30
Acetone	100	89.5		ug/L		89	39 - 150	7	30
Benzene	20.0	20.5		ug/L		102	77 - 121	0	30
Bromoform	20.0	17.2		ug/L		86	53 - 120	0	30
Bromomethane	20.0	32.5	*	ug/L		162	10 - 150	2	30
Carbon disulfide	20.0	20.2		ug/L		101	69 - 133	1	30
Carbon tetrachloride	20.0	20.1		ug/L		101	70 - 132	1	30
Chlorobenzene	20.0	19.9		ug/L		100	80 - 120	3	30
Chlorodibromomethane	20.0	18.3		ug/L		91	73 - 120	1	30
Chloroethane	20.0	31.4	*	ug/L		157	52 - 150	3	30
Chloroform	20.0	21.1		ug/L		105	80 - 120	2	30
Chloromethane	20.0	23.0		ug/L		115	56 - 131	2	30
cis-1,2-Dichloroethene	20.0	20.9		ug/L		105	80 - 120	3	30
cis-1,3-Dichloropropene	20.0	20.2		ug/L		101	77 - 120	1	30
Cyclohexane	20.0	21.4		ug/L		107	56 - 150	2	30
Dichlorobromomethane	20.0	20.5		ug/L		103	76 - 120	0	30
Dichlorodifluoromethane	20.0	20.5		ug/L		102	50 - 131	2	30
Ethylbenzene	20.0	19.6		ug/L		98	80 - 120	2	30
Ethylene Dibromide	20.0	18.5		ug/L		92	80 - 120	2	30
Isopropylbenzene	20.0	20.2		ug/L		101	80 - 123	2	30
Methyl acetate	40.0	38.5		ug/L		96	66 - 144	1	30
Methyl tert-butyl ether	20.0	20.1		ug/L		100	79 - 122	1	30
Methylcyclohexane	20.0	22.1		ug/L		111	61 - 145	4	30
Methylene Chloride	20.0	20.2		ug/L		101	77 - 123	4	30
Styrene	20.0	19.9		ug/L		100	80 - 120	3	30
Tetrachloroethene	20.0	20.9		ug/L		105	78 - 122	2	30

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

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

Lab Sample ID: LCSD 460-649128/4

Matrix: Water

Analysis Batch: 649128

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	20.0	19.3		ug/L		96	80 - 120	2	30
trans-1,2-Dichloroethene	20.0	21.4		ug/L		107	79 - 120	3	30
trans-1,3-Dichloropropene	20.0	19.1		ug/L		96	76 - 120	1	30
Trichloroethene	20.0	20.0		ug/L		100	77 - 120	1	30
Trichlorofluoromethane	20.0	21.9		ug/L		109	71 - 143	0	30
Vinyl chloride	20.0	20.9		ug/L		105	62 - 138	2	30
Xylenes, Total	40.0	39.6		ug/L		99	80 - 120	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		74 - 132
4-Bromofluorobenzene	100		77 - 124
Dibromofluoromethane (Surr)	107		72 - 131
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LB 460-646905/1-A

Matrix: Water

Analysis Batch: 647763

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			10/17/19 01:41	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			10/17/19 01:41	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			10/17/19 01:41	10
Benzene	0.010	U	0.010	0.0020	mg/L			10/17/19 01:41	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			10/17/19 01:41	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			10/17/19 01:41	10
Chloroform	0.010	U	0.010	0.0033	mg/L			10/17/19 01:41	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			10/17/19 01:41	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			10/17/19 01:41	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			10/17/19 01:41	10

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		74 - 132		10/17/19 01:41	10
4-Bromofluorobenzene	97		77 - 124		10/17/19 01:41	10
Dibromofluoromethane (Surr)	102		72 - 131		10/17/19 01:41	10
Toluene-d8 (Surr)	102		80 - 120		10/17/19 01:41	10

Lab Sample ID: 460-193684-H-1-A MS

Matrix: Water

Analysis Batch: 648166

Client Sample ID: Matrix Spike

Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.010	U *	0.200	0.286	*	mg/L		143	74 - 123
1,2-Dichloroethane	0.010	U	0.200	0.198		mg/L		99	76 - 121
2-Butanone (MEK)	0.050	U	1.00	1.13		mg/L		113	64 - 120
Benzene	0.010	U	0.200	0.221		mg/L		110	77 - 121
Carbon tetrachloride	0.010	U	0.200	0.213		mg/L		107	70 - 132
Chlorobenzene	0.010	U	0.200	0.217		mg/L		109	80 - 120
Chloroform	0.010	U	0.200	0.209		mg/L		105	80 - 120

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

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

Lab Sample ID: 460-193684-H-1-A MS

Matrix: Water

Analysis Batch: 648166

Client Sample ID: Matrix Spike

Prep Type: TCLP

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Tetrachloroethene	0.010	U	0.200	0.190		mg/L		95	78 - 122		
Trichloroethene	0.010	U	0.200	0.197		mg/L		98	77 - 120		
Vinyl chloride	0.010	U *	0.200	0.254		mg/L		127	62 - 138		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	89		74 - 132								
4-Bromofluorobenzene	85		77 - 124								
Dibromofluoromethane (Surr)	87		72 - 131								
Toluene-d8 (Surr)	96		80 - 120								

Lab Sample ID: 460-193684-H-1-A MSD

Matrix: Water

Analysis Batch: 648166

Client Sample ID: Matrix Spike Duplicate

Prep Type: TCLP

Analysis Data: 048100

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		Limit
1,1-Dichloroethene	0.010	U *	0.200	0.267	*	mg/L		134	74 - 123	7	30
1,2-Dichloroethane	0.010	U	0.200	0.186		mg/L		93	76 - 121	6	30
2-Butanone (MEK)	0.050	U	1.00	1.08		mg/L		108	64 - 120	4	30
Benzene	0.010	U	0.200	0.206		mg/L		103	77 - 121	7	30
Carbon tetrachloride	0.010	U	0.200	0.211		mg/L		106	70 - 132	1	30
Chlorobenzene	0.010	U	0.200	0.205		mg/L		103	80 - 120	6	30
Chloroform	0.010	U	0.200	0.193		mg/L		97	80 - 120	8	30
Tetrachloroethene	0.010	U	0.200	0.183		mg/L		91	78 - 122	4	30
Trichloroethene	0.010	U	0.200	0.188		mg/L		94	77 - 120	5	30
Vinyl chloride	0.010	U *	0.200	0.234		mg/L		117	62 - 138	8	30
										</	

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-647044/1-A

Matrix: Water

Analysis Batch: 647110

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 647044

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	10.0	U	10.0	1.1	ug/L		10/14/19 09:42	10/14/19 21:49	1
Arsenic	15.0	U	15.0	2.7	ug/L		10/14/19 09:42	10/14/19 21:49	1
Barium	200	U	200	7.7	ug/L		10/14/19 09:42	10/14/19 21:49	1
Cadmium	4.0	U	4.0	0.22	ug/L		10/14/19 09:42	10/14/19 21:49	1
Chromium	10.0	U	10.0	1.3	ug/L		10/14/19 09:42	10/14/19 21:49	1
Lead	10.0	U	10.0	2.5	ug/L		10/14/19 09:42	10/14/19 21:49	1
Selenium	20.0	U	20.0	6.6	ug/L		10/14/19 09:42	10/14/19 21:49	1

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 460-647044/2-A

Matrix: Water

Analysis Batch: 647110

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 647044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	500	457.5		ug/L		92	80 - 120
Arsenic	5000	4619		ug/L		92	80 - 120
Barium	10000	9930		ug/L		99	80 - 120
Cadmium	1000	1011		ug/L		101	80 - 120
Chromium	5000	4877		ug/L		98	80 - 120
Lead	5000	5038		ug/L		101	80 - 120
Selenium	1000	953.1		ug/L		95	80 - 120

Lab Sample ID: LB 460-646682/1-D ^5

Matrix: Water

Analysis Batch: 647110

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 647044

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	50.0	U	50.0	5.4	ug/L		10/14/19 12:05	10/14/19 23:23	5
Arsenic	75.0	U	75.0	13.3	ug/L		10/14/19 12:05	10/14/19 23:23	5
Barium	1000	U	1000	38.4	ug/L		10/14/19 12:05	10/14/19 23:23	5
Cadmium	20.0	U	20.0	1.1	ug/L		10/14/19 12:05	10/14/19 23:23	5
Chromium	50.0	U	50.0	6.3	ug/L		10/14/19 12:05	10/14/19 23:23	5
Lead	50.0	U	50.0	12.3	ug/L		10/14/19 12:05	10/14/19 23:23	5
Selenium	100	U	100	33.0	ug/L		10/14/19 12:05	10/14/19 23:23	5

Lab Sample ID: LB 460-646819/1-B ^5

Matrix: Water

Analysis Batch: 647110

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 647044

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	50.0	U	50.0	5.4	ug/L		10/14/19 12:05	10/14/19 23:32	5
Arsenic	75.0	U	75.0	13.3	ug/L		10/14/19 12:05	10/14/19 23:32	5
Barium	1000	U	1000	38.4	ug/L		10/14/19 12:05	10/14/19 23:32	5
Cadmium	20.0	U	20.0	1.1	ug/L		10/14/19 12:05	10/14/19 23:32	5
Chromium	50.0	U	50.0	6.3	ug/L		10/14/19 12:05	10/14/19 23:32	5
Lead	50.0	U	50.0	12.3	ug/L		10/14/19 12:05	10/14/19 23:32	5
Selenium	100	U	100	33.0	ug/L		10/14/19 12:05	10/14/19 23:32	5

Lab Sample ID: 460-193574-D-10-F MS

Matrix: Water

Analysis Batch: 647110

Client Sample ID: Matrix Spike

Prep Type: TCLP

Prep Batch: 647044

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	50.0	U	500	467.9		ug/L		94	75 - 125
Arsenic	75.0	U	5000	4835		ug/L		97	75 - 125
Barium	468	J	10000	10480		ug/L		100	75 - 125
Cadmium	20.0	U	1000	1018		ug/L		102	75 - 125
Chromium	50.0	U	5000	4908		ug/L		98	75 - 125
Lead	69.9		5000	5025		ug/L		99	75 - 125
Selenium	100	U	1000	1014		ug/L		101	75 - 125

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 460-193574-D-10-E DU
Matrix: Water
Analysis Batch: 647110

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 647044

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver	50.0	U	50.0	U	ug/L		NC	20
Arsenic	75.0	U	19.05	J	ug/L		NC	20
Barium	468	J	466.7	J	ug/L		0.3	20
Cadmium	20.0	U	20.0	U	ug/L		NC	20
Chromium	50.0	U	7.66	J	ug/L		NC	20
Lead	69.9		66.60		ug/L		5	20
Selenium	100	U	100	U	ug/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-647398/1-A
Matrix: Water
Analysis Batch: 647440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 647398

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		10/15/19 13:51	10/15/19 15:15	1

Lab Sample ID: LCS 460-647398/2-A
Matrix: Water
Analysis Batch: 647440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 647398

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.98		ug/L		100	80 - 120

Lab Sample ID: LB 460-646682/1-F
Matrix: Water
Analysis Batch: 647440

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 647398

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		10/15/19 13:51	10/15/19 15:55	1

Lab Sample ID: LB 460-646819/1-C
Matrix: Water
Analysis Batch: 647440

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 647398

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		10/15/19 13:51	10/15/19 15:56	1

Lab Sample ID: 460-193574-D-9-H MS
Matrix: Water
Analysis Batch: 647440

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 647398

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.20	U	5.00	5.02		ug/L		100	75 - 125

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 460-193574-D-9-G DU
Matrix: Water
Analysis Batch: 647440

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 647398

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Method: 1020B - Ignitability, Small Scale Closed-Cup Method

Lab Sample ID: LCDSRM 460-649670/2
Matrix: Water
Analysis Batch: 649670

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

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Ignitability	81.0	81.00		Degrees F		100.0	98.1 - 101.9	0	20

Lab Sample ID: LCSSRM 460-649670/1
Matrix: Water
Analysis Batch: 649670

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Ignitability	81.0	81.00		Degrees F		100.0	98.1 - 101.9		

Lab Sample ID: 460-193706-1 DU
Matrix: Water
Analysis Batch: 649670

Client Sample ID: WASTE_CLASS-DEVEL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Ignitability	>160		>160		Degrees F		NC	10

Method: 9040C - pH

Lab Sample ID: MB 460-646804/2
Matrix: Water
Analysis Batch: 646804

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

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.2				SU			10/13/19 14:35	1
Corrosivity	6.2				SU			10/13/19 14:35	1
Temperature	21.5				Degrees C			10/13/19 14:35	1

Lab Sample ID: LCSSRM 460-646804/3
Matrix: Water
Analysis Batch: 646804

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
pH	5.67	5.7		SU		101.1	96.5 - 103.5		
Corrosivity	5.67	5.7		SU		101.1	96.5 - 103.5		

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Method: 9040C - pH (Continued)

Lab Sample ID: 460-193650-A-3 DU

Matrix: Water

Analysis Batch: 646804

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.1		7.2		SU		0.4	10
Corrosivity	7.1		7.2		SU		0.4	10
Temperature	19.9		20.0		Degrees C		0.5	

QC Association Summary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

GC/MS VOA

Leach Batch: 646712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193684-H-1-A MS	Matrix Spike	TCLP	Water	1311	
460-193684-H-1-A MSD	Matrix Spike Duplicate	TCLP	Water	1311	

Leach Batch: 646905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193706-1	WASTE_CLASS-DEVEL	TCLP	Water	1311	
LB 460-646905/1-A	Method Blank	TCLP	Water	1311	

Analysis Batch: 647763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-646905/1-A	Method Blank	TCLP	Water	8260C	646905
MB 460-647763/8	Method Blank	Total/NA	Water	8260C	
LCS 460-647763/3	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 648166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193706-1	WASTE_CLASS-DEVEL	TCLP	Water	8260C	646905
MB 460-648166/9	Method Blank	Total/NA	Water	8260C	
LCS 460-648166/3	Lab Control Sample	Total/NA	Water	8260C	
460-193684-H-1-A MS	Matrix Spike	TCLP	Water	8260C	646712
460-193684-H-1-A MSD	Matrix Spike Duplicate	TCLP	Water	8260C	646712

Analysis Batch: 649128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193706-1	WASTE_CLASS-DEVEL	Total/NA	Water	8260C	
MB 460-649128/9	Method Blank	Total/NA	Water	8260C	
LCS 460-649128/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-649128/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Metals

Leach Batch: 646682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-646682/1-D ^5	Method Blank	TCLP	Water	1311	
LB 460-646682/1-F	Method Blank	TCLP	Water	1311	
460-193574-D-9-H MS	Matrix Spike	TCLP	Water	1311	
460-193574-D-10-F MS	Matrix Spike	TCLP	Water	1311	
460-193574-D-9-G DU	Duplicate	TCLP	Water	1311	
460-193574-D-10-E DU	Duplicate	TCLP	Water	1311	

Leach Batch: 646819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193706-1	WASTE_CLASS-DEVEL	TCLP	Water	1311	
LB 460-646819/1-B ^5	Method Blank	TCLP	Water	1311	
LB 460-646819/1-C	Method Blank	TCLP	Water	1311	

Prep Batch: 647044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193706-1	WASTE_CLASS-DEVEL	TCLP	Water	3010A	646819
LB 460-646682/1-D ^5	Method Blank	TCLP	Water	3010A	646682
LB 460-646819/1-B ^5	Method Blank	TCLP	Water	3010A	646819

Eurofins TestAmerica, Edison

QC Association Summary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Metals (Continued)

Prep Batch: 647044 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-647044/1-A	Method Blank	Total/NA	Water	3010A	
LCS 460-647044/2-A	Lab Control Sample	Total/NA	Water	3010A	
460-193574-D-10-F MS	Matrix Spike	TCLP	Water	3010A	646682
460-193574-D-10-E DU	Duplicate	TCLP	Water	3010A	646682

Analysis Batch: 647110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193706-1	WASTE_CLASS-DEVEL	TCLP	Water	6010D	647044
LB 460-646682/1-D ^5	Method Blank	TCLP	Water	6010D	647044
LB 460-646819/1-B ^5	Method Blank	TCLP	Water	6010D	647044
MB 460-647044/1-A	Method Blank	Total/NA	Water	6010D	647044
LCS 460-647044/2-A	Lab Control Sample	Total/NA	Water	6010D	647044
460-193574-D-10-F MS	Matrix Spike	TCLP	Water	6010D	647044
460-193574-D-10-E DU	Duplicate	TCLP	Water	6010D	647044

Prep Batch: 647398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193706-1	WASTE_CLASS-DEVEL	TCLP	Water	7470A	646819
LB 460-646682/1-F	Method Blank	TCLP	Water	7470A	646682
LB 460-646819/1-C	Method Blank	TCLP	Water	7470A	646819
MB 460-647398/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-647398/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-193574-D-9-H MS	Matrix Spike	TCLP	Water	7470A	646682
460-193574-D-9-G DU	Duplicate	TCLP	Water	7470A	646682

Analysis Batch: 647440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193706-1	WASTE_CLASS-DEVEL	TCLP	Water	7470A	647398
LB 460-646682/1-F	Method Blank	TCLP	Water	7470A	647398
LB 460-646819/1-C	Method Blank	TCLP	Water	7470A	647398
MB 460-647398/1-A	Method Blank	Total/NA	Water	7470A	647398
LCS 460-647398/2-A	Lab Control Sample	Total/NA	Water	7470A	647398
460-193574-D-9-H MS	Matrix Spike	TCLP	Water	7470A	647398
460-193574-D-9-G DU	Duplicate	TCLP	Water	7470A	647398

General Chemistry

Analysis Batch: 646804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193706-1	WASTE_CLASS-DEVEL	Total/NA	Water	9040C	
MB 460-646804/2	Method Blank	Total/NA	Water	9040C	
LCSSRM 460-646804/3	Lab Control Sample	Total/NA	Water	9040C	
460-193650-A-3 DU	Duplicate	Total/NA	Water	9040C	

Analysis Batch: 649670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193706-1	WASTE_CLASS-DEVEL	Total/NA	Water	1020B	
LCDSRM 460-649670/2	Lab Control Sample Dup	Total/NA	Water	1020B	
LCSSRM 460-649670/1	Lab Control Sample	Total/NA	Water	1020B	
460-193706-1 DU	WASTE_CLASS-DEVEL	Total/NA	Water	1020B	

Eurofins TestAmerica, Edison

Lab Chronicle

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Client Sample ID: WASTE_CLASS-DEVEL

Lab Sample ID: 460-193706-1

Date Collected: 10/08/19 13:00

Matrix: Water

Date Received: 10/09/19 18:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			646905	10/13/19 21:15	BJB	TAL EDI
TCLP	Analysis	8260C		10	648166	10/18/19 04:18	GXY	TAL EDI
Total/NA	Analysis	8260C		1	649128	10/21/19 23:10	GXY	TAL EDI
TCLP	Leach	1311			646819	10/13/19 10:00	YXG	TAL EDI
TCLP	Prep	3010A			647044	10/14/19 12:05	QZY	TAL EDI
TCLP	Analysis	6010D		5	647110	10/14/19 23:28	YZH	TAL EDI
TCLP	Leach	1311			646819	10/13/19 10:00	YXG	TAL EDI
TCLP	Prep	7470A			647398	10/15/19 13:51	RBS	TAL EDI
TCLP	Analysis	7470A		1	647440	10/15/19 15:48	RBS	TAL EDI
Total/NA	Analysis	1020B		1	649670	10/23/19 15:40	AAP	TAL EDI
Total/NA	Analysis	9040C		1	646804	10/13/19 14:52	AAP	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Laboratory: Eurofins TestAmerica, Edison

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-20
DE Haz. Subst. Cleanup Act (HSCA)	State	<cert No.>	12-31-21
Georgia	State	12028 (NJ)	06-30-20
New Jersey	NELAP	12028	06-30-20
New York	NELAP	11452	04-01-20
Pennsylvania	NELAP	68-00522	02-28-20
Rhode Island	State	LAO00132	12-30-19
USDA	US Federal Programs	P330-18-00135	05-03-21

Method Summary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-193706-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
6010D	Metals (ICP)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
1020B	Ignitability, Small Scale Closed-Cup Method	SW846	TAL EDI
9040C	pH	SW846	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI

Protocol References:

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

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.

Job ID: 460-193706-1

Project/Site: DEC - SUNNYSIDE50 Spill#241123

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-193706-1	WASTE_CLASS-DEVEL	Water	10/08/19 13:00	10/09/19 18:10	

1

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Environment Testing TestAmerica

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

[illegible]

460-193706 Chain of Custody

Special Instructions ANTHONY A DECEMBER 1985

Water Metals Field Filtered (Yes/No)?_

Relinquished by		Company	Date / Time	Received by	Company
[Signature]	EHR	10/6/19	1530	1) EHR Service Finance	EHR
Relinquished by		Company	Date / Time	Received by	Company
[Signature] S. MATE EHR	EHR	10-9-19	10:30	MILLANNE A. VOLICITA	EHR
Relinquished by		Company	Date / Time	Received by	Company
[Signature] MILLANNE A. VOLICITA	EHR	10-9-19	10:30	[Signature]	YTA
Relinquished by		Company	Date / Time	Received by	Company
[Signature] DZ	gfa	10/9/19	1800	[Signature]	EHR

Laboratory Certifications: New Jersey (12028), New York (1452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0715)

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-193706-1

Login Number: 193706

List Number: 1

Creator: Hall, Alonzo

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
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	2.9° C IR #9
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management

625 Broadway, 9th Floor, Albany, New York 12233-7256

P: (518) 402-8651 | F: (518) 402-9024

www.dec.ny.gov

September 5, 2019

Mr. Stephen Goetz
Environmental Assessment & Remediations
225 Atlantic Avenue
Patchogue, NY 11772

Re: "Contained-In" Determination Request
Former Cleaners Products Supply
50-45 Barnett Avenue, Sunnyside, NY
NYSDEC Site No. 241123

Dear Mr. Goetz:

The Department has reviewed the analytical data (Lab Sample ID: 460-185156-1 and 460-189074-1), submitted with your August 30, 2019 request for a "contained-in" determination for drill cutting material as part of the remedial investigation of PCE-related impacts from this former dry-cleaning supply facility.

Concentrations detected for individual VOCs were all significantly less than their current "contained-in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs were not detected above the detection limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations (Lab Sample ID: 460-189074-1) for methyl ethyl ketone, tetrachloroethene (PCE) and xylenes were detected significantly less than their current "contained-in" soil action levels and Land Disposal Restriction concentrations. Therefore, four (4) 55-gallon drums, containing drill cutting material as part of the remedial investigation of PCE-related impacts from, do not have to be managed as hazardous waste when transported offsite to Northland Environmental, LLC, 275 Allens Avenue, Providence, RI for proper disposal as non-hazardous.



Department of
Environmental
Conservation

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Henry Wilkie', with a stylized flourish at the end.

Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: K. Forster, DER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management

625 Broadway, 9th Floor, Albany, New York 12233-7256

P: (518) 402-8651 | F: (518) 402-9024

www.dec.ny.gov

November 7, 2019

Mr. Stephen Goetz
Environmental Assessment & Remediations
225 Atlantic Avenue
Patchogue, NY 11772

Re: "Contained-In" Determination Request
Former Cleaners Products Supply
50-45 Barnett Avenue, Sunnyside, NY
NYSDEC Site No. 241123

Dear Mr. Goetz:

The Department has reviewed the analytical data (Lab Sample ID: 460-193706-1) submitted with your October 31, 2019 request for a "contained-in" determination for wastewater as part of the remedial investigation of PCE-related impacts from this former dry-cleaning supply facility.

Concentrations detected for individual VOCs were all significantly less than their current "contained-in" water action levels and Land Disposal Restriction concentrations. Most of the individual VOCs were not detected above the detection limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations (Lab Sample ID: 460-193706-1) for methyl ethyl ketone, tetrachloroethene (PCE) and xylenes were detected significantly less than their current "contained-in" soil action levels and Land Disposal Restriction concentrations. Therefore, five (5) 55-gallon drums of development water as part of the remedial investigation of PCE-related impacts from, do not have to be managed as hazardous waste when transported offsite to Northland Environmental, LLC, 275 Allens Avenue, Providence, RI for proper disposal as non-hazardous.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Henry Wilkie', with a stylized flourish at the end.

Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: K. Forster, DER

NON-HAZARDOUS WASTE MANIFEST

688375-19
3805230

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYCESQG999999		Manifest Document No. 100132		2. Page 1 of 1	
3. Generator's Name and Mailing Address NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION 625 BROADWAY ALBANY NY 12233				50-45 BARNETT AVENUE SUNNYSIDE NY 11104			
4. Generator's Phone (800 457-7382							
5. Transporter 1 Company Name ISLAND PUMP & TANK CORP.		6. US EPA ID Number NYR00018172		A. State Transporter's ID		B. Transporter 1 Phone 831 482-2226	
7. Transporter 2 Company Name REPUBLIC ENVIRONMENTAL SYSTEMS		8. US EPA ID Number PAD88286138		C. State Transporter's ID		D. Transporter 2 Phone 800 558-5011	
9. Designated Facility Name and Site Address NORTHLAND ENVIRONMENTAL 275 ALLENS AVENUE PROVIDENCE RI 02905		10. US EPA ID Number RID040098352		E. State Facility's ID		F. Facility's Phone 401 781-8340	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NON-RCRA & NON-DOT REGULATED MATERIALS (PURGE WATER)				5 DM		2,250 265 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above			
a.				a. R015 c.			
b.				b. d.			
15. Special Handling Instructions and Additional Information FORMER CLEANERS PRODUCTS - 1611696							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name X STEPHEN GOETZ (AGENT FOR NYSDEC)				Signature [Signature]		Date Month Day Year 12 13 19	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature AGENT 4 I.P.T.		Date Month Day Year 12 13 19	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature T. C. C.		Date Month Day Year 12 20 19	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name C. J. P.				Signature [Signature]		Date Month Day Year 12 27 19	

NON-HAZARDOUS WASTE

GENERATOR

NON-HAZARDOUS WASTE MANIFEST

31501017
3728510

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYCESQG89993		Manifest Document No. 100069		2. Page 1 of 1	
3. Generator's Name and Mailing Address NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION 625 BROADWAY ALBANY NY 12233				50-45 BARNETT AVENUE SUNNYSIDE NY 11104			
4. Generator's Phone (800) 457-7362							
5. Transporter 1 Company Name ISLAND PUMP & TANK CORP.		6. US EPA ID Number NYR000181728		A. State Transporter's ID			
7. Transporter 2 Company Name REPUBLIC ENVIRONMENTAL SYSTEMS		8. US EPA ID Number PAD082661384		B. Transporter 1 Phone 831 482-2236			
9. Designated Facility Name and Site Address NORTHLAND ENVIRONMENTAL 275 ALLENS AVENUE PROVIDENCE RI 02905		10. US EPA ID Number RID040088352		C. State Transporter's ID			
				D. Transporter 2 Phone 800 558-5011			
				E. State Facility's ID			
				F. Facility's Phone 401 781-8340			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No.	Type		
a. NON-RCRA & NON-DOT REGULATED MATERIALS (DRILL CUTTINGS)				004	DM	02400	P
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above			
a.				a. R015 c.			
b.				b. d.			
15. Special Handling Instructions and Additional Information 1) FORMER CLEANERS PRODUCTS - 150417							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
AGENT FOR THE DEC						Date	
Printed/Typed Name: ROB COSTANZO						Month Day Year: 9/24/19	
Signature: [Signature]						Date	
17. Transporter 1 Acknowledgement of Receipt of Materials						Month Day Year: 09/24/19	
Printed/Typed Name: Joseph B. Sisco						Date	
Signature: [Signature]						Month Day Year: 9/24/19	
18. Transporter 2 Acknowledgement of Receipt of Materials						Month Day Year: 9/24/19	
Printed/Typed Name: Terrell Cosby						Date	
Signature: [Signature]							
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name						Date	
Signature						Month Day Year	

NON-HAZARDOUS WASTE



APPENDIX D

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-184905-1

Client Project/Site: DEC-Sunnyside 50 SPILL#241123
Revision: 1

For:

New York State D.E.C.
625 Broadway
12th Floor
Albany, New York 12233-7017

Attn: Kyle Forster



Authorized for release by:

7/23/2019 12:47:39 PM

Julie Gilmore, Project Manager I

(484)685-0865

julie.gilmore@testamericainc.com

Designee for

Jannel Franklin, Manager of Project Management Assistants

(732)593-2551

jannel.franklin@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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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.



Julie Gilmore
Project Manager I
7/23/2019 12:47:39 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: DEC-Sunnyside 50 SPILL#241123

Job ID: 460-184905-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

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)

Case Narrative

Client: New York State D.E.C.
Project/Site: DEC-Sunnyside 50 SPILL#241123

Job ID: 460-184905-1

Job ID: 460-184905-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: Former Cleaners Product: #241123, Sunnyside

Report Number: 460-184905-1

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 06/20/2019; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.5 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.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample MW-12_20-21 (460-184905-1) was analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C (1311). The samples were leached on 07/02/2019 and analyzed on 07/03/2019.

Sample MW-12_20-21 (460-184905-1)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the TCLP volatiles analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: New York State D.E.C.
Project/Site: DEC-Sunnyside 50 SPILL#241123

Job ID: 460-184905-1

Client Sample ID: MW-12_20-21

Lab Sample ID: 460-184905-1

☐ No Detections.

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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC-Sunnyside 50 SPILL#241123

Job ID: 460-184905-1

Client Sample ID: MW-12_20-21

Lab Sample ID: 460-184905-1

Date Collected: 06/18/19 11:40

Matrix: Solid

Date Received: 06/20/19 19:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			07/03/19 16:39	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			07/03/19 16:39	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			07/03/19 16:39	10
Benzene	0.010	U	0.010	0.0020	mg/L			07/03/19 16:39	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			07/03/19 16:39	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			07/03/19 16:39	10
Chloroform	0.010	U	0.010	0.0033	mg/L			07/03/19 16:39	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			07/03/19 16:39	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			07/03/19 16:39	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			07/03/19 16:39	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		74 - 132		07/03/19 16:39	10
4-Bromofluorobenzene	90		77 - 124		07/03/19 16:39	10
Dibromofluoromethane (Surr)	105		72 - 131		07/03/19 16:39	10
Toluene-d8 (Surr)	104		80 - 120		07/03/19 16:39	10

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC-Sunnyside 50 SPILL#241123

Job ID: 460-184905-1

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (74-132)	BFB (77-124)	DBFM (72-131)	TOL (80-120)
LCS 460-622158/5	Lab Control Sample	104	96	110	104
LCSD 460-622158/6	Lab Control Sample Dup	99	96	110	105
MB 460-622158/10	Method Blank	103	92	103	105

Surrogate Legend

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

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Prep Type: TCLP

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (74-132)	BFB (77-124)	DBFM (72-131)	TOL (80-120)
460-184905-1	MW-12_20-21	111	90	105	104
LB 460-621796/1-A	Method Blank	106	91	108	103

Surrogate Legend

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

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC-Sunnyside 50 SPILL#241123

Job ID: 460-184905-1

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

Lab Sample ID: MB 460-622158/10

Matrix: Solid

Analysis Batch: 622158

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			07/03/19 12:55	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			07/03/19 12:55	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			07/03/19 12:55	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			07/03/19 12:55	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			07/03/19 12:55	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			07/03/19 12:55	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			07/03/19 12:55	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			07/03/19 12:55	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			07/03/19 12:55	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			07/03/19 12:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		74 - 132		07/03/19 12:55	1
4-Bromofluorobenzene	92		77 - 124		07/03/19 12:55	1
Dibromofluoromethane (Surr)	103		72 - 131		07/03/19 12:55	1
Toluene-d8 (Surr)	105		80 - 120		07/03/19 12:55	1

Lab Sample ID: LCS 460-622158/5

Matrix: Solid

Analysis Batch: 622158

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0210		mg/L		105	74 - 123
1,2-Dichloroethane	0.0200	0.0204		mg/L		102	76 - 121
2-Butanone (MEK)	0.100	0.105		mg/L		105	64 - 120
Benzene	0.0200	0.0224		mg/L		112	77 - 121
Carbon tetrachloride	0.0200	0.0225		mg/L		112	70 - 132
Chlorobenzene	0.0200	0.0213		mg/L		107	80 - 120
Chloroform	0.0200	0.0234		mg/L		117	80 - 120
Tetrachloroethene	0.0200	0.0203		mg/L		102	78 - 122
Trichloroethene	0.0200	0.0237		mg/L		118	77 - 120
Vinyl chloride	0.0200	0.0237		mg/L		118	62 - 138

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		74 - 132
4-Bromofluorobenzene	96		77 - 124
Dibromofluoromethane (Surr)	110		72 - 131
Toluene-d8 (Surr)	104		80 - 120

Lab Sample ID: LCSD 460-622158/6

Matrix: Solid

Analysis Batch: 622158

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0199		mg/L		99	74 - 123	5	30
1,2-Dichloroethane	0.0200	0.0186		mg/L		93	76 - 121	9	30
2-Butanone (MEK)	0.100	0.0973		mg/L		97	64 - 120	7	30
Benzene	0.0200	0.0211		mg/L		105	77 - 121	6	30

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC-Sunnyside 50 SPILL#241123

Job ID: 460-184905-1

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

Lab Sample ID: LCSD 460-622158/6

Matrix: Solid

Analysis Batch: 622158

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon tetrachloride	0.0200	0.0201		mg/L		100	70 - 132	11	30
Chlorobenzene	0.0200	0.0198		mg/L		99	80 - 120	7	30
Chloroform	0.0200	0.0210		mg/L		105	80 - 120	11	30
Tetrachloroethene	0.0200	0.0194		mg/L		97	78 - 122	5	30
Trichloroethene	0.0200	0.0212		mg/L		106	77 - 120	11	30
Vinyl chloride	0.0200	0.0212		mg/L		106	62 - 138	11	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	99		74 - 132
4-Bromofluorobenzene	96		77 - 124
Dibromofluoromethane (Surr)	110		72 - 131
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: LB 460-621796/1-A

Matrix: Solid

Analysis Batch: 622158

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			07/03/19 13:18	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			07/03/19 13:18	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			07/03/19 13:18	10
Benzene	0.010	U	0.010	0.0020	mg/L			07/03/19 13:18	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			07/03/19 13:18	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			07/03/19 13:18	10
Chloroform	0.010	U	0.010	0.0033	mg/L			07/03/19 13:18	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			07/03/19 13:18	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			07/03/19 13:18	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			07/03/19 13:18	10

Surrogate	LB %Recovery	LB Qualifier	LB Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		74 - 132		07/03/19 13:18	10
4-Bromofluorobenzene	91		77 - 124		07/03/19 13:18	10
Dibromofluoromethane (Surr)	108		72 - 131		07/03/19 13:18	10
Toluene-d8 (Surr)	103		80 - 120		07/03/19 13:18	10

Eurofins TestAmerica, Edison

QC Association Summary

Client: New York State D.E.C.
Project/Site: DEC-Sunnyside 50 SPILL#241123

Job ID: 460-184905-1

GC/MS VOA

Leach Batch: 621796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-184905-1	MW-12_20-21	TCLP	Solid	1311	
LB 460-621796/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 622158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-184905-1	MW-12_20-21	TCLP	Solid	8260C	621796
LB 460-621796/1-A	Method Blank	TCLP	Solid	8260C	621796
MB 460-622158/10	Method Blank	Total/NA	Solid	8260C	
LCS 460-622158/5	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-622158/6	Lab Control Sample Dup	Total/NA	Solid	8260C	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: DEC-Sunnyside 50 SPILL#241123

Job ID: 460-184905-1

Client Sample ID: MW-12_20-21

Lab Sample ID: 460-184905-1

Date Collected: 06/18/19 11:40

Matrix: Solid

Date Received: 06/20/19 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			621796	07/02/19 00:34	BJB	TAL EDI
TCLP	Analysis	8260C		10	622158	07/03/19 16:39	EMM	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: DEC-Sunnyside 50 SPILL#241123

Job ID: 460-184905-1

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	11452	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
-----------------	-------------	--------	---------

Method Summary

Client: New York State D.E.C.
Project/Site: DEC-Sunnyside 50 SPILL#241123

Job ID: 460-184905-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI

Protocol References:

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

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.
Project/Site: DEC-Sunnyside 50 SPILL#241123

Job ID: 460-184905-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-184905-1	MW-12_20-21	Solid	06/18/19 11:40	06/20/19 19:30	

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Job Number:

184905

[illegible]

If pH adjustments are required record the information below:

Sample No(s). adjusted:

Preservative Name/Conc.:

Lot # of Preservative(s):

Volume of Preservative used (ml):

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.

EDS-M-038, Rev 4, 06/09/2014

Initials:

Date: _____

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-184905-1

Login Number: 184905

List Source: Eurofins TestAmerica, Edison

List Number: 1

Creator: DiGuardia, Joseph L

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 460-196269-1

Job Description: DEC - SUNNYSIDE50 Spill#241123

Contract Number: C100700

For:

New York State D.E.C.

625 Broadway

12th Floor

Albany, NY 12233-7017

Attention: Kyle Forster



Approved for release.
Julie L. Gilmore
Project Manager I
11/25/2019 2:02 PM

Julie L Gilmore, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(484)685-0865
julie.gilmore@testamericainc.com
11/25/2019

cc: Mr. Stephen Goetz
Ms. Jennifer Lawrence
Mr. Greg Mann
Mrs. Tracy Salvitti

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

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

Eurofins TestAmerica, Edison

777 New Durham Road, Edison, NJ 08817

Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com



Job Number: 460-196269-1

Job Description: DEC - SUNNYSIDE50 Spill#241123

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.

A handwritten signature in black ink, reading "Julie L. Gilmore". The signature is written in a cursive, flowing style. Below the signature is a solid black horizontal line.

Approved for release.
Julie L. Gilmore
Project Manager I
11/25/2019 2:02 PM

Julie L Gilmore

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CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - SUNNYSIDE50 Spill#241123

Report Number: 460-196269-1

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 11/12/2019; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.5 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-12 (460-196269-1), MW-5 (460-196269-2), MW-10 (460-196269-3), MW-11 (460-196269-4), MW-6 (460-196269-5), MW-104D (460-196269-6), MW-X (460-196269-7) and MW-104S (460-196269-8) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 11/17/2019.

The continuing calibration verification (CCV) analyzed in batch 460-656031 was outside the method criteria for the following analyte(s): Bromoform (biased low) and Chloromethane (biased high). 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.

The laboratory control sample (LCS) for analytical batch 460-656031 recovered outside control limits for the following analyte: cis-1,3-Dichloropropene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

cis-1,3-Dichloropropene failed the recovery criteria high for LCS 460-656031/3. Refer to the QC report for details.

Tetrachloroethene failed the recovery criteria low for the MS of sample MW-12MS (460-196269-1) in batch 460-656031.

cis-1,3-Dichloropropene failed the recovery criteria high for the MSD of sample MW-12MSD (460-196269-1) in batch 460-656031.

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.

Sample Summary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-196269-1	MW-12	Water	11/05/19 09:40	11/12/19 10:01	
460-196269-2	MW-5	Water	11/05/19 10:15	11/12/19 10:01	
460-196269-3	MW-10	Water	11/05/19 10:50	11/12/19 10:01	
460-196269-4	MW-11	Water	11/05/19 11:15	11/12/19 10:01	
460-196269-5	MW-6	Water	11/05/19 13:10	11/12/19 10:01	
460-196269-6	MW-104D	Water	11/05/19 12:00	11/12/19 10:01	
460-196269-7	MW-X	Water	11/05/19 00:00	11/12/19 10:01	
460-196269-8	MW-104S	Water	11/05/19 12:40	11/12/19 10:01	

Detection Summary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Client Sample ID: MW-12

Lab Sample ID: 460-196269-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8.9		1.0	0.22	ug/L		1		8260C	Total/NA
Tetrachloroethene	32		1.0	0.25	ug/L		1		8260C	Total/NA
trans-1,2-Dichloroethene	1.9		1.0	0.24	ug/L		1		8260C	Total/NA
Trichloroethene	11		1.0	0.31	ug/L		1		8260C	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 460-196269-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.0		1.0	0.22	ug/L		1		8260C	Total/NA
Tetrachloroethene	51		1.0	0.25	ug/L		1		8260C	Total/NA
trans-1,2-Dichloroethene	0.31	J	1.0	0.24	ug/L		1		8260C	Total/NA
Trichloroethene	15		1.0	0.31	ug/L		1		8260C	Total/NA

Client Sample ID: MW-10

Lab Sample ID: 460-196269-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroform	0.64	J	1.0	0.33	ug/L		1		8260C	Total/NA
Tetrachloroethene	0.40	J	1.0	0.25	ug/L		1		8260C	Total/NA

Client Sample ID: MW-11

Lab Sample ID: 460-196269-4

No Detections.

Client Sample ID: MW-6

Lab Sample ID: 460-196269-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.6		1.0	0.22	ug/L		1		8260C	Total/NA
Tetrachloroethene	440		1.0	0.25	ug/L		1		8260C	Total/NA
Trichloroethene	14		1.0	0.31	ug/L		1		8260C	Total/NA

Client Sample ID: MW-104D

Lab Sample ID: 460-196269-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	19		1.0	0.22	ug/L		1		8260C	Total/NA
Tetrachloroethene	96		1.0	0.25	ug/L		1		8260C	Total/NA
trans-1,2-Dichloroethene	0.33	J	1.0	0.24	ug/L		1		8260C	Total/NA
Trichloroethene	24		1.0	0.31	ug/L		1		8260C	Total/NA

Client Sample ID: MW-X

Lab Sample ID: 460-196269-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	54		1.0	0.22	ug/L		1		8260C	Total/NA
Tetrachloroethene	85		1.0	0.25	ug/L		1		8260C	Total/NA
trans-1,2-Dichloroethene	5.0		1.0	0.24	ug/L		1		8260C	Total/NA
Trichloroethene	59		1.0	0.31	ug/L		1		8260C	Total/NA

Client Sample ID: MW-104S

Lab Sample ID: 460-196269-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	55		1.0	0.22	ug/L		1		8260C	Total/NA
Tetrachloroethene	89		1.0	0.25	ug/L		1		8260C	Total/NA
trans-1,2-Dichloroethene	5.0		1.0	0.24	ug/L		1		8260C	Total/NA
Trichloroethene	61		1.0	0.31	ug/L		1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Edison

Method Summary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Protocol References:

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

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Client Sample ID: MW-12

Lab Sample ID: 460-196269-1

Date Collected: 11/05/19 09:40

Matrix: Water

Date Received: 11/12/19 10:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/17/19 07:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/17/19 07:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/17/19 07:26	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 07:26	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/17/19 07:26	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/17/19 07:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/17/19 07:26	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/17/19 07:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			11/17/19 07:26	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 07:26	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/17/19 07:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/17/19 07:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/17/19 07:26	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/17/19 07:26	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/17/19 07:26	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/17/19 07:26	1
Acetone	5.0	U	5.0	4.4	ug/L			11/17/19 07:26	1
Benzene	1.0	U	1.0	0.20	ug/L			11/17/19 07:26	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/17/19 07:26	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/17/19 07:26	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/17/19 07:26	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/17/19 07:26	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/17/19 07:26	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/17/19 07:26	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/17/19 07:26	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/17/19 07:26	1
Chloromethane	1.0	U	1.0	0.40	ug/L			11/17/19 07:26	1
cis-1,2-Dichloroethene	8.9		1.0	0.22	ug/L			11/17/19 07:26	1
cis-1,3-Dichloropropene	1.0	U *	1.0	0.22	ug/L			11/17/19 07:26	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/17/19 07:26	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/17/19 07:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/17/19 07:26	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/17/19 07:26	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/17/19 07:26	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/17/19 07:26	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/17/19 07:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			11/17/19 07:26	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			11/17/19 07:26	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/17/19 07:26	1
Styrene	1.0	U	1.0	0.42	ug/L			11/17/19 07:26	1
Tetrachloroethene	32		1.0	0.25	ug/L			11/17/19 07:26	1
Toluene	1.0	U	1.0	0.38	ug/L			11/17/19 07:26	1
trans-1,2-Dichloroethene	1.9		1.0	0.24	ug/L			11/17/19 07:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			11/17/19 07:26	1
Trichloroethene	11		1.0	0.31	ug/L			11/17/19 07:26	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/17/19 07:26	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/17/19 07:26	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			11/17/19 07:26	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Client Sample ID: MW-12

Date Collected: 11/05/19 09:40

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		74 - 132		11/17/19 07:26	1
4-Bromofluorobenzene	85		77 - 124		11/17/19 07:26	1
Dibromofluoromethane (Surr)	104		72 - 131		11/17/19 07:26	1
Toluene-d8 (Surr)	102		80 - 120		11/17/19 07:26	1

Client Sample ID: MW-5

Date Collected: 11/05/19 10:15

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/17/19 07:52	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/17/19 07:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/17/19 07:52	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 07:52	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/17/19 07:52	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/17/19 07:52	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/17/19 07:52	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/17/19 07:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			11/17/19 07:52	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 07:52	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/17/19 07:52	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/17/19 07:52	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/17/19 07:52	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/17/19 07:52	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/17/19 07:52	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/17/19 07:52	1
Acetone	5.0	U	5.0	4.4	ug/L			11/17/19 07:52	1
Benzene	1.0	U	1.0	0.20	ug/L			11/17/19 07:52	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/17/19 07:52	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/17/19 07:52	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/17/19 07:52	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/17/19 07:52	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/17/19 07:52	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/17/19 07:52	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/17/19 07:52	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/17/19 07:52	1
Chloromethane	1.0	U	1.0	0.40	ug/L			11/17/19 07:52	1
cis-1,2-Dichloroethene	7.0		1.0	0.22	ug/L			11/17/19 07:52	1
cis-1,3-Dichloropropene	1.0	U *	1.0	0.22	ug/L			11/17/19 07:52	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/17/19 07:52	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/17/19 07:52	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/17/19 07:52	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/17/19 07:52	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/17/19 07:52	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/17/19 07:52	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/17/19 07:52	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			11/17/19 07:52	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			11/17/19 07:52	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/17/19 07:52	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Client Sample ID: MW-5

Date Collected: 11/05/19 10:15

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.42	ug/L			11/17/19 07:52	1
Tetrachloroethene	51		1.0	0.25	ug/L			11/17/19 07:52	1
Toluene	1.0	U	1.0	0.38	ug/L			11/17/19 07:52	1
trans-1,2-Dichloroethene	0.31	J	1.0	0.24	ug/L			11/17/19 07:52	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			11/17/19 07:52	1
Trichloroethene	15		1.0	0.31	ug/L			11/17/19 07:52	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/17/19 07:52	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/17/19 07:52	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			11/17/19 07:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		74 - 132					11/17/19 07:52	1
4-Bromofluorobenzene	88		77 - 124					11/17/19 07:52	1
Dibromofluoromethane (Surr)	103		72 - 131					11/17/19 07:52	1
Toluene-d8 (Surr)	105		80 - 120					11/17/19 07:52	1

Client Sample ID: MW-10

Date Collected: 11/05/19 10:50

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/17/19 21:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/17/19 21:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/17/19 21:56	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 21:56	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/17/19 21:56	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/17/19 21:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/17/19 21:56	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/17/19 21:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			11/17/19 21:56	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 21:56	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/17/19 21:56	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/17/19 21:56	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/17/19 21:56	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/17/19 21:56	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/17/19 21:56	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/17/19 21:56	1
Acetone	5.0	U	5.0	4.4	ug/L			11/17/19 21:56	1
Benzene	1.0	U	1.0	0.20	ug/L			11/17/19 21:56	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/17/19 21:56	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/17/19 21:56	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/17/19 21:56	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/17/19 21:56	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/17/19 21:56	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/17/19 21:56	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/17/19 21:56	1
Chloroform	0.64	J	1.0	0.33	ug/L			11/17/19 21:56	1
Chloromethane	1.0	U	1.0	0.40	ug/L			11/17/19 21:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/17/19 21:56	1

Eurofins TestAmerica, Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Client Sample ID: MW-10

Date Collected: 11/05/19 10:50

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/17/19 21:56	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/17/19 21:56	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/17/19 21:56	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/17/19 21:56	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/17/19 21:56	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/17/19 21:56	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/17/19 21:56	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/17/19 21:56	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			11/17/19 21:56	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			11/17/19 21:56	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/17/19 21:56	1
Styrene	1.0	U	1.0	0.42	ug/L			11/17/19 21:56	1
Tetrachloroethene	0.40	J	1.0	0.25	ug/L			11/17/19 21:56	1
Toluene	1.0	U	1.0	0.38	ug/L			11/17/19 21:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/17/19 21:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			11/17/19 21:56	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/17/19 21:56	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/17/19 21:56	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/17/19 21:56	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			11/17/19 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		74 - 132		11/17/19 21:56	1
4-Bromofluorobenzene	90		77 - 124		11/17/19 21:56	1
Dibromofluoromethane (Surr)	102		72 - 131		11/17/19 21:56	1
Toluene-d8 (Surr)	103		80 - 120		11/17/19 21:56	1

Client Sample ID: MW-11

Date Collected: 11/05/19 11:15

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/17/19 08:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/17/19 08:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/17/19 08:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 08:43	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/17/19 08:43	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/17/19 08:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/17/19 08:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/17/19 08:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			11/17/19 08:43	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 08:43	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/17/19 08:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/17/19 08:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/17/19 08:43	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/17/19 08:43	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/17/19 08:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/17/19 08:43	1
Acetone	5.0	U	5.0	4.4	ug/L			11/17/19 08:43	1

Eurofins TestAmerica, Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Client Sample ID: MW-11

Date Collected: 11/05/19 11:15

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			11/17/19 08:43	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/17/19 08:43	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/17/19 08:43	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/17/19 08:43	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/17/19 08:43	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/17/19 08:43	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/17/19 08:43	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/17/19 08:43	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/17/19 08:43	1
Chloromethane	1.0	U	1.0	0.40	ug/L			11/17/19 08:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/17/19 08:43	1
cis-1,3-Dichloropropene	1.0	U *	1.0	0.22	ug/L			11/17/19 08:43	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/17/19 08:43	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/17/19 08:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/17/19 08:43	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/17/19 08:43	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/17/19 08:43	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/17/19 08:43	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/17/19 08:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			11/17/19 08:43	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			11/17/19 08:43	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/17/19 08:43	1
Styrene	1.0	U	1.0	0.42	ug/L			11/17/19 08:43	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/17/19 08:43	1
Toluene	1.0	U	1.0	0.38	ug/L			11/17/19 08:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/17/19 08:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			11/17/19 08:43	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/17/19 08:43	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/17/19 08:43	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/17/19 08:43	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			11/17/19 08:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		74 - 132		11/17/19 08:43	1
4-Bromofluorobenzene	84		77 - 124		11/17/19 08:43	1
Dibromofluoromethane (Surr)	105		72 - 131		11/17/19 08:43	1
Toluene-d8 (Surr)	103		80 - 120		11/17/19 08:43	1

Client Sample ID: MW-6

Date Collected: 11/05/19 13:10

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/17/19 22:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/17/19 22:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/17/19 22:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 22:21	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/17/19 22:21	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/17/19 22:21	1

Eurofins TestAmerica, Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Client Sample ID: MW-6

Lab Sample ID: 460-196269-5

Date Collected: 11/05/19 13:10

Matrix: Water

Date Received: 11/12/19 10:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/17/19 22:21	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/17/19 22:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			11/17/19 22:21	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 22:21	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/17/19 22:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/17/19 22:21	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/17/19 22:21	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/17/19 22:21	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/17/19 22:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/17/19 22:21	1
Acetone	5.0	U	5.0	4.4	ug/L			11/17/19 22:21	1
Benzene	1.0	U	1.0	0.20	ug/L			11/17/19 22:21	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/17/19 22:21	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/17/19 22:21	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/17/19 22:21	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/17/19 22:21	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/17/19 22:21	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/17/19 22:21	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/17/19 22:21	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/17/19 22:21	1
Chloromethane	1.0	U	1.0	0.40	ug/L			11/17/19 22:21	1
cis-1,2-Dichloroethene	1.6		1.0	0.22	ug/L			11/17/19 22:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/17/19 22:21	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/17/19 22:21	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/17/19 22:21	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/17/19 22:21	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/17/19 22:21	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/17/19 22:21	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/17/19 22:21	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/17/19 22:21	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			11/17/19 22:21	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			11/17/19 22:21	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/17/19 22:21	1
Styrene	1.0	U	1.0	0.42	ug/L			11/17/19 22:21	1
Tetrachloroethene	440		1.0	0.25	ug/L			11/17/19 22:21	1
Toluene	1.0	U	1.0	0.38	ug/L			11/17/19 22:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/17/19 22:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			11/17/19 22:21	1
Trichloroethene	14		1.0	0.31	ug/L			11/17/19 22:21	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/17/19 22:21	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/17/19 22:21	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			11/17/19 22:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		74 - 132		11/17/19 22:21	1
4-Bromofluorobenzene	84		77 - 124		11/17/19 22:21	1
Dibromofluoromethane (Surr)	99		72 - 131		11/17/19 22:21	1
Toluene-d8 (Surr)	102		80 - 120		11/17/19 22:21	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Client Sample ID: MW-104D

Lab Sample ID: 460-196269-6

Date Collected: 11/05/19 12:00

Matrix: Water

Date Received: 11/12/19 10:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/17/19 09:09	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/17/19 09:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/17/19 09:09	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 09:09	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/17/19 09:09	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/17/19 09:09	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/17/19 09:09	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/17/19 09:09	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			11/17/19 09:09	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 09:09	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/17/19 09:09	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/17/19 09:09	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/17/19 09:09	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/17/19 09:09	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/17/19 09:09	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/17/19 09:09	1
Acetone	5.0	U	5.0	4.4	ug/L			11/17/19 09:09	1
Benzene	1.0	U	1.0	0.20	ug/L			11/17/19 09:09	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/17/19 09:09	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/17/19 09:09	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/17/19 09:09	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/17/19 09:09	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/17/19 09:09	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/17/19 09:09	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/17/19 09:09	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/17/19 09:09	1
Chloromethane	1.0	U	1.0	0.40	ug/L			11/17/19 09:09	1
cis-1,2-Dichloroethene	19		1.0	0.22	ug/L			11/17/19 09:09	1
cis-1,3-Dichloropropene	1.0	U *	1.0	0.22	ug/L			11/17/19 09:09	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/17/19 09:09	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/17/19 09:09	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/17/19 09:09	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/17/19 09:09	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/17/19 09:09	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/17/19 09:09	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/17/19 09:09	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			11/17/19 09:09	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			11/17/19 09:09	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/17/19 09:09	1
Styrene	1.0	U	1.0	0.42	ug/L			11/17/19 09:09	1
Tetrachloroethene	96		1.0	0.25	ug/L			11/17/19 09:09	1
Toluene	1.0	U	1.0	0.38	ug/L			11/17/19 09:09	1
trans-1,2-Dichloroethene	0.33	J	1.0	0.24	ug/L			11/17/19 09:09	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			11/17/19 09:09	1
Trichloroethene	24		1.0	0.31	ug/L			11/17/19 09:09	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/17/19 09:09	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/17/19 09:09	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			11/17/19 09:09	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Client Sample ID: MW-104D

Lab Sample ID: 460-196269-6

Date Collected: 11/05/19 12:00

Matrix: Water

Date Received: 11/12/19 10:01

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		74 - 132		11/17/19 09:09	1
4-Bromofluorobenzene	87		77 - 124		11/17/19 09:09	1
Dibromofluoromethane (Surr)	103		72 - 131		11/17/19 09:09	1
Toluene-d8 (Surr)	103		80 - 120		11/17/19 09:09	1

Client Sample ID: MW-X

Lab Sample ID: 460-196269-7

Date Collected: 11/05/19 00:20

Matrix: Water

Date Received: 11/12/19 10:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/17/19 09:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/17/19 09:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/17/19 09:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 09:34	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/17/19 09:34	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/17/19 09:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/17/19 09:34	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/17/19 09:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			11/17/19 09:34	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 09:34	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/17/19 09:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/17/19 09:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/17/19 09:34	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/17/19 09:34	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/17/19 09:34	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/17/19 09:34	1
Acetone	5.0	U	5.0	4.4	ug/L			11/17/19 09:34	1
Benzene	1.0	U	1.0	0.20	ug/L			11/17/19 09:34	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/17/19 09:34	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/17/19 09:34	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/17/19 09:34	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/17/19 09:34	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/17/19 09:34	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/17/19 09:34	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/17/19 09:34	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/17/19 09:34	1
Chloromethane	1.0	U	1.0	0.40	ug/L			11/17/19 09:34	1
cis-1,2-Dichloroethene	54		1.0	0.22	ug/L			11/17/19 09:34	1
cis-1,3-Dichloropropene	1.0	U *	1.0	0.22	ug/L			11/17/19 09:34	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/17/19 09:34	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/17/19 09:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/17/19 09:34	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/17/19 09:34	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/17/19 09:34	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/17/19 09:34	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/17/19 09:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			11/17/19 09:34	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			11/17/19 09:34	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/17/19 09:34	1

Eurofins TestAmerica, Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Client Sample ID: MW-X

Lab Sample ID: 460-196269-7

Date Collected: 11/05/19 00:20

Matrix: Water

Date Received: 11/12/19 10:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.42	ug/L			11/17/19 09:34	1
Tetrachloroethene	85		1.0	0.25	ug/L			11/17/19 09:34	1
Toluene	1.0	U	1.0	0.38	ug/L			11/17/19 09:34	1
trans-1,2-Dichloroethene	5.0		1.0	0.24	ug/L			11/17/19 09:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			11/17/19 09:34	1
Trichloroethene	59		1.0	0.31	ug/L			11/17/19 09:34	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/17/19 09:34	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/17/19 09:34	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			11/17/19 09:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		74 - 132					11/17/19 09:34	1
4-Bromofluorobenzene	89		77 - 124					11/17/19 09:34	1
Dibromofluoromethane (Surr)	103		72 - 131					11/17/19 09:34	1
Toluene-d8 (Surr)	104		80 - 120					11/17/19 09:34	1

Client Sample ID: MW-104S

Lab Sample ID: 460-196269-8

Date Collected: 11/05/19 12:40

Matrix: Water

Date Received: 11/12/19 10:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/17/19 10:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/17/19 10:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/17/19 10:00	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 10:00	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/17/19 10:00	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/17/19 10:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/17/19 10:00	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/17/19 10:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			11/17/19 10:00	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 10:00	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/17/19 10:00	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/17/19 10:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/17/19 10:00	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/17/19 10:00	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/17/19 10:00	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/17/19 10:00	1
Acetone	5.0	U	5.0	4.4	ug/L			11/17/19 10:00	1
Benzene	1.0	U	1.0	0.20	ug/L			11/17/19 10:00	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/17/19 10:00	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/17/19 10:00	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/17/19 10:00	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/17/19 10:00	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/17/19 10:00	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/17/19 10:00	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/17/19 10:00	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/17/19 10:00	1
Chloromethane	1.0	U	1.0	0.40	ug/L			11/17/19 10:00	1
cis-1,2-Dichloroethene	55		1.0	0.22	ug/L			11/17/19 10:00	1

Eurofins TestAmerica, Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Client Sample ID: MW-104S

Lab Sample ID: 460-196269-8

Date Collected: 11/05/19 12:40

Matrix: Water

Date Received: 11/12/19 10:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U *	1.0	0.22	ug/L			11/17/19 10:00	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/17/19 10:00	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/17/19 10:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/17/19 10:00	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/17/19 10:00	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/17/19 10:00	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/17/19 10:00	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/17/19 10:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			11/17/19 10:00	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			11/17/19 10:00	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/17/19 10:00	1
Styrene	1.0	U	1.0	0.42	ug/L			11/17/19 10:00	1
Tetrachloroethene	89		1.0	0.25	ug/L			11/17/19 10:00	1
Toluene	1.0	U	1.0	0.38	ug/L			11/17/19 10:00	1
trans-1,2-Dichloroethene	5.0		1.0	0.24	ug/L			11/17/19 10:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			11/17/19 10:00	1
Trichloroethene	61		1.0	0.31	ug/L			11/17/19 10:00	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/17/19 10:00	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/17/19 10:00	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			11/17/19 10:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		74 - 132		11/17/19 10:00	1
4-Bromofluorobenzene	86		77 - 124		11/17/19 10:00	1
Dibromofluoromethane (Surr)	101		72 - 131		11/17/19 10:00	1
Toluene-d8 (Surr)	102		80 - 120		11/17/19 10:00	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (74-132)	BFB (77-124)	DBFM (72-131)	TOL (80-120)
460-196269-1	MW-12	101	85	104	102
460-196269-1 MS	MW-12	100	84	102	102
460-196269-1 MSD	MW-12	96	87	99	102
460-196269-2	MW-5	100	88	103	105
460-196269-3	MW-10	96	90	102	103
460-196269-3 MS	MW-10	102	85	103	103
460-196269-3 MSD	MW-10	97	87	102	103
460-196269-4	MW-11	100	84	105	103
460-196269-5	MW-6	96	84	99	102
460-196269-6	MW-104D	100	87	103	103
460-196269-7	MW-X	101	89	103	104
460-196269-8	MW-104S	97	86	101	102
LCS 460-656031/3	Lab Control Sample	101	86	99	101
LCS 460-656120/4	Lab Control Sample	100	85	102	101
LCSD 460-656120/5	Lab Control Sample Dup	98	87	103	102
MB 460-656031/8	Method Blank	102	84	104	103
MB 460-656120/9	Method Blank	97	83	102	102

Surrogate Legend

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

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Lab Sample ID: MB 460-656031/8
Matrix: Water
Analysis Batch: 656031

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	1.0	U	1.0	0.24	ug/L			11/17/19 07:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/17/19 07:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/17/19 07:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 07:01	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/17/19 07:01	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/17/19 07:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/17/19 07:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/17/19 07:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			11/17/19 07:01	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 07:01	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/17/19 07:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/17/19 07:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/17/19 07:01	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/17/19 07:01	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/17/19 07:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/17/19 07:01	1
Acetone	5.0	U	5.0	4.4	ug/L			11/17/19 07:01	1
Benzene	1.0	U	1.0	0.20	ug/L			11/17/19 07:01	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/17/19 07:01	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/17/19 07:01	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/17/19 07:01	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/17/19 07:01	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/17/19 07:01	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/17/19 07:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/17/19 07:01	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/17/19 07:01	1
Chloromethane	1.0	U	1.0	0.40	ug/L			11/17/19 07:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/17/19 07:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/17/19 07:01	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/17/19 07:01	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/17/19 07:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/17/19 07:01	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/17/19 07:01	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/17/19 07:01	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/17/19 07:01	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/17/19 07:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			11/17/19 07:01	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			11/17/19 07:01	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/17/19 07:01	1
Styrene	1.0	U	1.0	0.42	ug/L			11/17/19 07:01	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/17/19 07:01	1
Toluene	1.0	U	1.0	0.38	ug/L			11/17/19 07:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/17/19 07:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			11/17/19 07:01	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/17/19 07:01	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/17/19 07:01	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/17/19 07:01	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			11/17/19 07:01	1

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Lab Sample ID: MB 460-656031/8
Matrix: Water
Analysis Batch: 656031

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		74 - 132		11/17/19 07:01	1
4-Bromofluorobenzene	84		77 - 124		11/17/19 07:01	1
Dibromofluoromethane (Surr)	104		72 - 131		11/17/19 07:01	1
Toluene-d8 (Surr)	103		80 - 120		11/17/19 07:01	1

Lab Sample ID: LCS 460-656031/3
Matrix: Water
Analysis Batch: 656031

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	20.0	21.4		ug/L		107	75 - 125
1,1,2,2-Tetrachloroethane	20.0	23.6		ug/L		118	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.0		ug/L		105	59 - 150
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	78 - 120
1,1-Dichloroethane	20.0	21.8		ug/L		109	77 - 123
1,1-Dichloroethene	20.0	20.8		ug/L		104	74 - 123
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	21.6		ug/L		108	55 - 134
1,2-Dichlorobenzene	20.0	21.7		ug/L		108	80 - 120
1,2-Dichloroethane	20.0	19.1		ug/L		95	76 - 121
1,2-Dichloropropane	20.0	23.3		ug/L		116	77 - 123
1,3-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 120
1,4-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 120
2-Butanone (MEK)	100	94.9		ug/L		95	64 - 120
2-Hexanone	100	96.6		ug/L		97	71 - 125
4-Methyl-2-pentanone (MIBK)	100	100		ug/L		100	78 - 124
Acetone	100	82.6		ug/L		83	39 - 150
Benzene	20.0	22.7		ug/L		114	77 - 121
Bromoform	20.0	17.2		ug/L		86	53 - 120
Bromomethane	20.0	21.7		ug/L		109	10 - 150
Carbon disulfide	20.0	21.3		ug/L		107	69 - 133
Carbon tetrachloride	20.0	19.9		ug/L		100	70 - 132
Chlorobenzene	20.0	21.0		ug/L		105	80 - 120
Chlorodibromomethane	20.0	19.9		ug/L		99	73 - 120
Chloroethane	20.0	21.5		ug/L		108	52 - 150
Chloroform	20.0	20.6		ug/L		103	80 - 120
Chloromethane	20.0	23.0		ug/L		115	56 - 131
cis-1,2-Dichloroethene	20.0	21.7		ug/L		109	80 - 120
cis-1,3-Dichloropropene	20.0	24.2 *		ug/L		121	77 - 120
Cyclohexane	20.0	23.8		ug/L		119	56 - 150
Dichlorobromomethane	20.0	20.5		ug/L		102	76 - 120
Dichlorodifluoromethane	20.0	22.7		ug/L		114	50 - 131
Ethylbenzene	20.0	21.6		ug/L		108	80 - 120
Ethylene Dibromide	20.0	20.1		ug/L		101	80 - 120
Isopropylbenzene	20.0	21.9		ug/L		110	80 - 123
Methyl acetate	40.0	41.6		ug/L		104	66 - 144
Methyl tert-butyl ether	20.0	22.3		ug/L		112	79 - 122
Methylcyclohexane	20.0	23.1		ug/L		115	61 - 145

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Lab Sample ID: LCS 460-656031/3

Matrix: Water

Analysis Batch: 656031

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	20.0	20.1		ug/L		100	77 - 123
Styrene	20.0	22.0		ug/L		110	80 - 120
Tetrachloroethene	20.0	19.3		ug/L		97	78 - 122
Toluene	20.0	21.8		ug/L		109	80 - 120
trans-1,2-Dichloroethene	20.0	22.6		ug/L		113	79 - 120
trans-1,3-Dichloropropene	20.0	22.5		ug/L		113	76 - 120
Trichloroethene	20.0	20.6		ug/L		103	77 - 120
Trichlorofluoromethane	20.0	20.7		ug/L		104	71 - 143
Vinyl chloride	20.0	22.8		ug/L		114	62 - 138
Xylenes, Total	40.0	43.3		ug/L		108	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		74 - 132
4-Bromofluorobenzene	86		77 - 124
Dibromofluoromethane (Surr)	99		72 - 131
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: 460-196269-1 MS

Matrix: Water

Analysis Batch: 656031

Client Sample ID: MW-12

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.0	U	20.0	18.4		ug/L		92	75 - 125
1,1,2,2-Tetrachloroethane	1.0	U	20.0	20.0		ug/L		100	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	16.9		ug/L		84	59 - 150
1,1,2-Trichloroethane	1.0	U	20.0	18.3		ug/L		92	78 - 120
1,1-Dichloroethane	1.0	U	20.0	19.5		ug/L		97	77 - 123
1,1-Dichloroethene	1.0	U	20.0	18.0		ug/L		90	74 - 123
1,2,4-Trichlorobenzene	1.0	U	20.0	16.3		ug/L		81	80 - 124
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	19.3		ug/L		97	55 - 134
1,2-Dichlorobenzene	1.0	U	20.0	18.5		ug/L		92	80 - 120
1,2-Dichloroethane	1.0	U	20.0	16.8		ug/L		84	76 - 121
1,2-Dichloropropane	1.0	U	20.0	20.4		ug/L		102	77 - 123
1,3-Dichlorobenzene	1.0	U	20.0	18.1		ug/L		90	80 - 120
1,4-Dichlorobenzene	1.0	U	20.0	17.6		ug/L		88	80 - 120
2-Butanone (MEK)	5.0	U	100	84.8		ug/L		85	64 - 120
2-Hexanone	5.0	U	100	86.6		ug/L		87	71 - 125
4-Methyl-2-pentanone (MIBK)	5.0	U	100	88.9		ug/L		89	78 - 124
Acetone	5.0	U	100	67.0		ug/L		67	39 - 150
Benzene	1.0	U	20.0	20.0		ug/L		100	77 - 121
Bromoform	1.0	U	20.0	14.9		ug/L		75	53 - 120
Bromomethane	1.0	U	20.0	19.8		ug/L		99	10 - 150
Carbon disulfide	1.0	U	20.0	18.1		ug/L		91	69 - 133
Carbon tetrachloride	1.0	U	20.0	17.4		ug/L		87	70 - 132
Chlorobenzene	1.0	U	20.0	18.2		ug/L		91	80 - 120
Chlorodibromomethane	1.0	U	20.0	17.5		ug/L		87	73 - 120
Chloroethane	1.0	U	20.0	19.4		ug/L		97	52 - 150
Chloroform	1.0	U	20.0	18.6		ug/L		93	80 - 120

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Lab Sample ID: 460-196269-1 MS

Matrix: Water

Analysis Batch: 656031

Client Sample ID: MW-12

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	1.0	U	20.0	21.2		ug/L		106	56 - 131
cis-1,2-Dichloroethene	8.9		20.0	26.6		ug/L		88	80 - 120
cis-1,3-Dichloropropene	1.0	U *	20.0	20.5		ug/L		102	77 - 120
Cyclohexane	1.0	U	20.0	20.5		ug/L		103	56 - 150
Dichlorobromomethane	1.0	U	20.0	17.8		ug/L		89	76 - 120
Dichlorodifluoromethane	1.0	U	20.0	17.7		ug/L		89	50 - 131
Ethylbenzene	1.0	U	20.0	19.0		ug/L		95	80 - 120
Ethylene Dibromide	1.0	U	20.0	17.8		ug/L		89	80 - 120
Isopropylbenzene	1.0	U	20.0	18.8		ug/L		94	80 - 123
Methyl acetate	5.0	U	40.0	35.3		ug/L		88	66 - 144
Methyl tert-butyl ether	1.0	U	20.0	19.5		ug/L		98	79 - 122
Methylcyclohexane	1.0	U	20.0	19.8		ug/L		99	61 - 145
Methylene Chloride	1.0	U	20.0	17.5		ug/L		88	77 - 123
Styrene	1.0	U	20.0	19.3		ug/L		96	80 - 120
Tetrachloroethene	32		20.0	47.4 *		ug/L		75	78 - 122
Toluene	1.0	U	20.0	19.3		ug/L		96	80 - 120
trans-1,2-Dichloroethene	1.9		20.0	21.0		ug/L		96	79 - 120
trans-1,3-Dichloropropene	1.0	U	20.0	18.4		ug/L		92	76 - 120
Trichloroethene	11		20.0	27.9		ug/L		86	77 - 120
Trichlorofluoromethane	1.0	U	20.0	18.2		ug/L		91	71 - 143
Vinyl chloride	1.0	U	20.0	19.9		ug/L		99	62 - 138
Xylenes, Total	2.0	U	40.0	38.0		ug/L		95	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		74 - 132
4-Bromofluorobenzene	84		77 - 124
Dibromofluoromethane (Surr)	102		72 - 131
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: 460-196269-1 MSD

Matrix: Water

Analysis Batch: 656031

Client Sample ID: MW-12

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	1.0	U	20.0	21.4		ug/L		107	75 - 125	15	30
1,1,2,2-Tetrachloroethane	1.0	U	20.0	23.8		ug/L		119	74 - 120	17	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	19.7		ug/L		99	59 - 150	15	30
1,1,2-Trichloroethane	1.0	U	20.0	21.7		ug/L		108	78 - 120	17	30
1,1-Dichloroethane	1.0	U	20.0	23.2		ug/L		116	77 - 123	17	30
1,1-Dichloroethene	1.0	U	20.0	20.3		ug/L		102	74 - 123	12	30
1,2,4-Trichlorobenzene	1.0	U	20.0	20.4		ug/L		102	80 - 124	23	30
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	22.3		ug/L		112	55 - 134	15	30
1,2-Dichlorobenzene	1.0	U	20.0	22.0		ug/L		110	80 - 120	18	30
1,2-Dichloroethane	1.0	U	20.0	19.6		ug/L		98	76 - 121	16	30
1,2-Dichloropropane	1.0	U	20.0	23.8		ug/L		119	77 - 123	15	30
1,3-Dichlorobenzene	1.0	U	20.0	21.0		ug/L		105	80 - 120	15	30
1,4-Dichlorobenzene	1.0	U	20.0	20.8		ug/L		104	80 - 120	17	30
2-Butanone (MEK)	5.0	U	100	99.3		ug/L		99	64 - 120	16	30

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Lab Sample ID: 460-196269-1 MSD

Matrix: Water

Analysis Batch: 656031

Client Sample ID: MW-12

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Hexanone	5.0	U	100	104		ug/L		104	71 - 125	18	30
4-Methyl-2-pentanone (MIBK)	5.0	U	100	105		ug/L		105	78 - 124	17	30
Acetone	5.0	U	100	80.4		ug/L		80	39 - 150	18	30
Benzene	1.0	U	20.0	23.3		ug/L		116	77 - 121	15	30
Bromoform	1.0	U	20.0	18.2		ug/L		91	53 - 120	20	30
Bromomethane	1.0	U	20.0	22.1		ug/L		111	10 - 150	11	30
Carbon disulfide	1.0	U	20.0	21.2		ug/L		106	69 - 133	16	30
Carbon tetrachloride	1.0	U	20.0	20.7		ug/L		104	70 - 132	17	30
Chlorobenzene	1.0	U	20.0	21.3		ug/L		107	80 - 120	16	30
Chlorodibromomethane	1.0	U	20.0	20.9		ug/L		104	73 - 120	18	30
Chloroethane	1.0	U	20.0	18.7		ug/L		93	52 - 150	4	30
Chloroform	1.0	U	20.0	21.2		ug/L		106	80 - 120	13	30
Chloromethane	1.0	U	20.0	21.8		ug/L		109	56 - 131	3	30
cis-1,2-Dichloroethene	8.9		20.0	30.3		ug/L		107	80 - 120	13	30
cis-1,3-Dichloropropene	1.0	U *	20.0	24.5 *		ug/L		123	77 - 120	18	30
Cyclohexane	1.0	U	20.0	23.0		ug/L		115	56 - 150	11	30
Dichlorobromomethane	1.0	U	20.0	21.1		ug/L		106	76 - 120	17	30
Dichlorodifluoromethane	1.0	U	20.0	18.8		ug/L		94	50 - 131	6	30
Ethylbenzene	1.0	U	20.0	21.9		ug/L		110	80 - 120	15	30
Ethylene Dibromide	1.0	U	20.0	21.1		ug/L		105	80 - 120	17	30
Isopropylbenzene	1.0	U	20.0	22.3		ug/L		111	80 - 123	17	30
Methyl acetate	5.0	U	40.0	37.7		ug/L		94	66 - 144	7	30
Methyl tert-butyl ether	1.0	U	20.0	22.8		ug/L		114	79 - 122	16	30
Methylcyclohexane	1.0	U	20.0	22.5		ug/L		113	61 - 145	13	30
Methylene Chloride	1.0	U	20.0	20.8		ug/L		104	77 - 123	17	30
Styrene	1.0	U	20.0	22.8		ug/L		114	80 - 120	17	30
Tetrachloroethene	32		20.0	50.4		ug/L		91	78 - 122	6	30
Toluene	1.0	U	20.0	22.2		ug/L		111	80 - 120	14	30
trans-1,2-Dichloroethene	1.9		20.0	24.4		ug/L		112	79 - 120	15	30
trans-1,3-Dichloropropene	1.0	U	20.0	23.2		ug/L		116	76 - 120	23	30
Trichloroethene	11		20.0	31.1		ug/L		102	77 - 120	11	30
Trichlorofluoromethane	1.0	U	20.0	18.8		ug/L		94	71 - 143	3	30
Vinyl chloride	1.0	U	20.0	21.1		ug/L		105	62 - 138	6	30
Xylenes, Total	2.0	U	40.0	44.2		ug/L		110	80 - 120	15	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		74 - 132
4-Bromofluorobenzene	87		77 - 124
Dibromofluoromethane (Surr)	99		72 - 131
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 460-656120/9

Matrix: Water

Analysis Batch: 656120

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	1.0	U	1.0	0.24	ug/L			11/17/19 21:20	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/17/19 21:20	1

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Lab Sample ID: MB 460-656120/9

Matrix: Water

Analysis Batch: 656120

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/17/19 21:20	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 21:20	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/17/19 21:20	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/17/19 21:20	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/17/19 21:20	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/17/19 21:20	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			11/17/19 21:20	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/17/19 21:20	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/17/19 21:20	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/17/19 21:20	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/17/19 21:20	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/17/19 21:20	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/17/19 21:20	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/17/19 21:20	1
Acetone	5.0	U	5.0	4.4	ug/L			11/17/19 21:20	1
Benzene	1.0	U	1.0	0.20	ug/L			11/17/19 21:20	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/17/19 21:20	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/17/19 21:20	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/17/19 21:20	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/17/19 21:20	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/17/19 21:20	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/17/19 21:20	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/17/19 21:20	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/17/19 21:20	1
Chloromethane	1.0	U	1.0	0.40	ug/L			11/17/19 21:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/17/19 21:20	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/17/19 21:20	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/17/19 21:20	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/17/19 21:20	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/17/19 21:20	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/17/19 21:20	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/17/19 21:20	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/17/19 21:20	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/17/19 21:20	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			11/17/19 21:20	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			11/17/19 21:20	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/17/19 21:20	1
Styrene	1.0	U	1.0	0.42	ug/L			11/17/19 21:20	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/17/19 21:20	1
Toluene	1.0	U	1.0	0.38	ug/L			11/17/19 21:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/17/19 21:20	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			11/17/19 21:20	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/17/19 21:20	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/17/19 21:20	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/17/19 21:20	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			11/17/19 21:20	1

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Lab Sample ID: MB 460-656120/9

Matrix: Water

Analysis Batch: 656120

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		74 - 132		11/17/19 21:20	1
4-Bromofluorobenzene	83		77 - 124		11/17/19 21:20	1
Dibromofluoromethane (Surr)	102		72 - 131		11/17/19 21:20	1
Toluene-d8 (Surr)	102		80 - 120		11/17/19 21:20	1

Lab Sample ID: LCS 460-656120/4

Matrix: Water

Analysis Batch: 656120

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	20.0	18.4		ug/L		92	75 - 125
1,1,2,2-Tetrachloroethane	20.0	22.7		ug/L		113	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	16.5		ug/L		83	59 - 150
1,1,2-Trichloroethane	20.0	20.3		ug/L		101	78 - 120
1,1-Dichloroethane	20.0	21.0		ug/L		105	77 - 123
1,1-Dichloroethene	20.0	16.5		ug/L		83	74 - 123
1,2,4-Trichlorobenzene	20.0	20.5		ug/L		102	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	22.5		ug/L		112	55 - 134
1,2-Dichlorobenzene	20.0	20.9		ug/L		104	80 - 120
1,2-Dichloroethane	20.0	18.4		ug/L		92	76 - 121
1,2-Dichloropropane	20.0	22.6		ug/L		113	77 - 123
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120
1,4-Dichlorobenzene	20.0	20.0		ug/L		100	80 - 120
2-Butanone (MEK)	100	98.8		ug/L		99	64 - 120
2-Hexanone	100	101		ug/L		101	71 - 125
4-Methyl-2-pentanone (MIBK)	100	101		ug/L		101	78 - 124
Acetone	100	74.9		ug/L		75	39 - 150
Benzene	20.0	20.6		ug/L		103	77 - 121
Bromoform	20.0	17.1		ug/L		86	53 - 120
Bromomethane	20.0	22.7		ug/L		114	10 - 150
Carbon disulfide	20.0	17.6		ug/L		88	69 - 133
Carbon tetrachloride	20.0	17.2		ug/L		86	70 - 132
Chlorobenzene	20.0	19.8		ug/L		99	80 - 120
Chlorodibromomethane	20.0	20.2		ug/L		101	73 - 120
Chloroethane	20.0	17.7		ug/L		89	52 - 150
Chloroform	20.0	19.6		ug/L		98	80 - 120
Chloromethane	20.0	19.1		ug/L		96	56 - 131
cis-1,2-Dichloroethene	20.0	20.6		ug/L		103	80 - 120
cis-1,3-Dichloropropene	20.0	23.3		ug/L		117	77 - 120
Cyclohexane	20.0	19.5		ug/L		97	56 - 150
Dichlorobromomethane	20.0	20.2		ug/L		101	76 - 120
Dichlorodifluoromethane	20.0	12.1		ug/L		61	50 - 131
Ethylbenzene	20.0	19.7		ug/L		98	80 - 120
Ethylene Dibromide	20.0	20.1		ug/L		101	80 - 120
Isopropylbenzene	20.0	19.5		ug/L		97	80 - 123
Methyl acetate	40.0	38.9		ug/L		97	66 - 144
Methyl tert-butyl ether	20.0	21.5		ug/L		107	79 - 122
Methylcyclohexane	20.0	19.0		ug/L		95	61 - 145

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Lab Sample ID: LCS 460-656120/4

Matrix: Water

Analysis Batch: 656120

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	20.0	19.5		ug/L		98	77 - 123
Styrene	20.0	20.9		ug/L		104	80 - 120
Tetrachloroethene	20.0	16.5		ug/L		83	78 - 122
Toluene	20.0	19.8		ug/L		99	80 - 120
trans-1,2-Dichloroethene	20.0	20.3		ug/L		101	79 - 120
trans-1,3-Dichloropropene	20.0	22.2		ug/L		111	76 - 120
Trichloroethene	20.0	18.7		ug/L		94	77 - 120
Trichlorofluoromethane	20.0	15.4		ug/L		77	71 - 143
Vinyl chloride	20.0	16.8		ug/L		84	62 - 138
Xylenes, Total	40.0	39.6		ug/L		99	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		74 - 132
4-Bromofluorobenzene	85		77 - 124
Dibromofluoromethane (Surr)	102		72 - 131
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 460-656120/5

Matrix: Water

Analysis Batch: 656120

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	18.8		ug/L		94	75 - 125	2	30
1,1,2,2-Tetrachloroethane	20.0	23.4		ug/L		117	74 - 120	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	16.5		ug/L		82	59 - 150	0	30
1,1,2-Trichloroethane	20.0	21.3		ug/L		107	78 - 120	5	30
1,1-Dichloroethane	20.0	21.5		ug/L		107	77 - 123	2	30
1,1-Dichloroethene	20.0	17.4		ug/L		87	74 - 123	5	30
1,2,4-Trichlorobenzene	20.0	20.4		ug/L		102	80 - 124	0	30
1,2-Dibromo-3-Chloropropane	20.0	22.8		ug/L		114	55 - 134	1	30
1,2-Dichlorobenzene	20.0	21.5		ug/L		108	80 - 120	3	30
1,2-Dichloroethane	20.0	19.2		ug/L		96	76 - 121	4	30
1,2-Dichloropropane	20.0	23.3		ug/L		116	77 - 123	3	30
1,3-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120	1	30
1,4-Dichlorobenzene	20.0	20.0		ug/L		100	80 - 120	0	30
2-Butanone (MEK)	100	99.6		ug/L		100	64 - 120	1	30
2-Hexanone	100	101		ug/L		101	71 - 125	0	30
4-Methyl-2-pentanone (MIBK)	100	101		ug/L		101	78 - 124	0	30
Acetone	100	81.0		ug/L		81	39 - 150	8	30
Benzene	20.0	20.9		ug/L		104	77 - 121	2	30
Bromoform	20.0	17.3		ug/L		86	53 - 120	1	30
Bromomethane	20.0	22.8		ug/L		114	10 - 150	0	30
Carbon disulfide	20.0	18.1		ug/L		91	69 - 133	3	30
Carbon tetrachloride	20.0	18.0		ug/L		90	70 - 132	4	30
Chlorobenzene	20.0	20.0		ug/L		100	80 - 120	1	30
Chlorodibromomethane	20.0	20.5		ug/L		103	73 - 120	1	30
Chloroethane	20.0	17.2		ug/L		86	52 - 150	3	30
Chloroform	20.0	20.5		ug/L		102	80 - 120	5	30

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Lab Sample ID: LCSD 460-656120/5

Matrix: Water

Analysis Batch: 656120

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	20.0	19.2		ug/L		96	56 - 131	1	30
cis-1,2-Dichloroethene	20.0	21.1		ug/L		105	80 - 120	2	30
cis-1,3-Dichloropropene	20.0	23.9		ug/L		120	77 - 120	2	30
Cyclohexane	20.0	19.6		ug/L		98	56 - 150	1	30
Dichlorobromomethane	20.0	20.4		ug/L		102	76 - 120	1	30
Dichlorodifluoromethane	20.0	12.5		ug/L		63	50 - 131	3	30
Ethylbenzene	20.0	19.9		ug/L		99	80 - 120	1	30
Ethylene Dibromide	20.0	20.6		ug/L		103	80 - 120	2	30
Isopropylbenzene	20.0	19.7		ug/L		99	80 - 123	1	30
Methyl acetate	40.0	40.5		ug/L		101	66 - 144	4	30
Methyl tert-butyl ether	20.0	22.2		ug/L		111	79 - 122	3	30
Methylcyclohexane	20.0	19.1		ug/L		96	61 - 145	1	30
Methylene Chloride	20.0	20.3		ug/L		102	77 - 123	4	30
Styrene	20.0	21.6		ug/L		108	80 - 120	3	30
Tetrachloroethene	20.0	16.9		ug/L		85	78 - 122	3	30
Toluene	20.0	20.0		ug/L		100	80 - 120	1	30
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	79 - 120	3	30
trans-1,3-Dichloropropene	20.0	23.3		ug/L		116	76 - 120	5	30
Trichloroethene	20.0	19.4		ug/L		97	77 - 120	3	30
Trichlorofluoromethane	20.0	16.4		ug/L		82	71 - 143	6	30
Vinyl chloride	20.0	17.2		ug/L		86	62 - 138	2	30
Xylenes, Total	40.0	40.6		ug/L		101	80 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		74 - 132
4-Bromofluorobenzene	87		77 - 124
Dibromofluoromethane (Surr)	103		72 - 131
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: 460-196269-3 MS

Matrix: Water

Analysis Batch: 656120

Client Sample ID: MW-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.0	U	200	197		ug/L		99	75 - 125
1,1,1,2-Tetrachloroethane	1.0	U	200	215		ug/L		108	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	200	188		ug/L		94	59 - 150
1,1,2-Trichloroethane	1.0	U	200	199		ug/L		100	78 - 120
1,1-Dichloroethane	1.0	U	200	210		ug/L		105	77 - 123
1,1-Dichloroethene	1.0	U	200	189		ug/L		94	74 - 123
1,2,4-Trichlorobenzene	1.0	U	200	176		ug/L		88	80 - 124
1,2-Dibromo-3-Chloropropane	1.0	U	200	198		ug/L		99	55 - 134
1,2-Dichlorobenzene	1.0	U	200	198		ug/L		99	80 - 120
1,2-Dichloroethane	1.0	U	200	178		ug/L		89	76 - 121
1,2-Dichloropropane	1.0	U	200	225		ug/L		112	77 - 123
1,3-Dichlorobenzene	1.0	U	200	191		ug/L		96	80 - 120
1,4-Dichlorobenzene	1.0	U	200	189		ug/L		95	80 - 120
2-Butanone (MEK)	5.0	U	1000	886		ug/L		89	64 - 120

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Lab Sample ID: 460-196269-3 MS

Matrix: Water

Analysis Batch: 656120

Client Sample ID: MW-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	5.0	U	1000	998		ug/L		100	71 - 125
4-Methyl-2-pentanone (MIBK)	5.0	U	1000	998		ug/L		100	78 - 124
Acetone	5.0	U	1000	668		ug/L		67	39 - 150
Benzene	1.0	U	200	213		ug/L		107	77 - 121
Bromoform	1.0	U	200	166		ug/L		83	53 - 120
Bromomethane	1.0	U	200	175		ug/L		88	10 - 150
Carbon disulfide	1.0	U	200	194		ug/L		97	69 - 133
Carbon tetrachloride	1.0	U	200	190		ug/L		95	70 - 132
Chlorobenzene	1.0	U	200	200		ug/L		100	80 - 120
Chlorodibromomethane	1.0	U	200	191		ug/L		95	73 - 120
Chloroethane	1.0	U	200	223		ug/L		111	52 - 150
Chloroform	0.64	J	200	203		ug/L		101	80 - 120
Chloromethane	1.0	U	200	190		ug/L		95	56 - 131
cis-1,2-Dichloroethene	1.0	U	200	210		ug/L		105	80 - 120
cis-1,3-Dichloropropene	1.0	U	200	223		ug/L		111	77 - 120
Cyclohexane	1.0	U	200	224		ug/L		112	56 - 150
Dichlorobromomethane	1.0	U	200	199		ug/L		99	76 - 120
Dichlorodifluoromethane	1.0	U	200	132		ug/L		66	50 - 131
Ethylbenzene	1.0	U	200	205		ug/L		102	80 - 120
Ethylene Dibromide	1.0	U	200	198		ug/L		99	80 - 120
Isopropylbenzene	1.0	U	200	206		ug/L		103	80 - 123
Methyl acetate	5.0	U	400	357		ug/L		89	66 - 144
Methyl tert-butyl ether	1.0	U	200	209		ug/L		105	79 - 122
Methylcyclohexane	1.0	U	200	217		ug/L		109	61 - 145
Methylene Chloride	1.0	U	200	194		ug/L		97	77 - 123
Styrene	1.0	U	200	208		ug/L		104	80 - 120
Tetrachloroethene	0.40	J	200	180		ug/L		90	78 - 122
Toluene	1.0	U	200	204		ug/L		102	80 - 120
trans-1,2-Dichloroethene	1.0	U	200	213		ug/L		107	79 - 120
trans-1,3-Dichloropropene	1.0	U	200	206		ug/L		103	76 - 120
Trichloroethene	1.0	U	200	198		ug/L		99	77 - 120
Trichlorofluoromethane	1.0	U	200	175		ug/L		87	71 - 143
Vinyl chloride	1.0	U	200	187		ug/L		94	62 - 138
Xylenes, Total	2.0	U	400	404		ug/L		101	80 - 120
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	102		74 - 132						
4-Bromofluorobenzene	85		77 - 124						
Dibromofluoromethane (Surr)	103		72 - 131						
Toluene-d8 (Surr)	103		80 - 120						

Lab Sample ID: 460-196269-3 MSD

Matrix: Water

Analysis Batch: 656120

Client Sample ID: MW-10

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	1.0	U	200	219		ug/L		109	75 - 125	10	30
1,1,2,2-Tetrachloroethane	1.0	U	200	233		ug/L		117	74 - 120	8	30

Eurofins TestAmerica, Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Lab Sample ID: 460-196269-3 MSD

Matrix: Water

Analysis Batch: 656120

Client Sample ID: MW-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	200	200		ug/L		100	59 - 150	6	30
1,1,2-Trichloroethane	1.0	U	200	217		ug/L		109	78 - 120	9	30
1,1-Dichloroethane	1.0	U	200	232		ug/L		116	77 - 123	10	30
1,1-Dichloroethene	1.0	U	200	197		ug/L		99	74 - 123	4	30
1,2,4-Trichlorobenzene	1.0	U	200	201		ug/L		101	80 - 124	13	30
1,2-Dibromo-3-Chloropropane	1.0	U	200	221		ug/L		110	55 - 134	11	30
1,2-Dichlorobenzene	1.0	U	200	219		ug/L		110	80 - 120	10	30
1,2-Dichloroethane	1.0	U	200	193		ug/L		97	76 - 121	8	30
1,2-Dichloropropane	1.0	U	200	237		ug/L		118	77 - 123	5	30
1,3-Dichlorobenzene	1.0	U	200	212		ug/L		106	80 - 120	10	30
1,4-Dichlorobenzene	1.0	U	200	208		ug/L		104	80 - 120	9	30
2-Butanone (MEK)	5.0	U	1000	986		ug/L		99	64 - 120	11	30
2-Hexanone	5.0	U	1000	1070		ug/L		107	71 - 125	7	30
4-Methyl-2-pentanone (MIBK)	5.0	U	1000	1070		ug/L		107	78 - 124	7	30
Acetone	5.0	U	1000	799		ug/L		80	39 - 150	18	30
Benzene	1.0	U	200	229		ug/L		114	77 - 121	7	30
Bromoform	1.0	U	200	183		ug/L		92	53 - 120	10	30
Bromomethane	1.0	U	200	234		ug/L		117	10 - 150	29	30
Carbon disulfide	1.0	U	200	209		ug/L		105	69 - 133	7	30
Carbon tetrachloride	1.0	U	200	208		ug/L		104	70 - 132	9	30
Chlorobenzene	1.0	U	200	213		ug/L		107	80 - 120	7	30
Chlorodibromomethane	1.0	U	200	209		ug/L		105	73 - 120	9	30
Chloroethane	1.0	U	200	255		ug/L		127	52 - 150	13	30
Chloroform	0.64	J	200	213		ug/L		106	80 - 120	5	30
Chloromethane	1.0	U	200	231		ug/L		116	56 - 131	20	30
cis-1,2-Dichloroethene	1.0	U	200	222		ug/L		111	80 - 120	6	30
cis-1,3-Dichloropropene	1.0	U	200	235		ug/L		117	77 - 120	5	30
Cyclohexane	1.0	U	200	234		ug/L		117	56 - 150	4	30
Dichlorobromomethane	1.0	U	200	214		ug/L		107	76 - 120	7	30
Dichlorodifluoromethane	1.0	U	200	154		ug/L		77	50 - 131	16	30
Ethylbenzene	1.0	U	200	224		ug/L		112	80 - 120	9	30
Ethylene Dibromide	1.0	U	200	209		ug/L		105	80 - 120	5	30
Isopropylbenzene	1.0	U	200	225		ug/L		112	80 - 123	9	30
Methyl acetate	5.0	U	400	403		ug/L		101	66 - 144	12	30
Methyl tert-butyl ether	1.0	U	200	226		ug/L		113	79 - 122	7	30
Methylcyclohexane	1.0	U	200	234		ug/L		117	61 - 145	7	30
Methylene Chloride	1.0	U	200	206		ug/L		103	77 - 123	6	30
Styrene	1.0	U	200	226		ug/L		113	80 - 120	9	30
Tetrachloroethene	0.40	J	200	194		ug/L		97	78 - 122	8	30
Toluene	1.0	U	200	220		ug/L		110	80 - 120	8	30
trans-1,2-Dichloroethene	1.0	U	200	229		ug/L		114	79 - 120	7	30
trans-1,3-Dichloropropene	1.0	U	200	228		ug/L		114	76 - 120	10	30
Trichloroethene	1.0	U	200	213		ug/L		107	77 - 120	8	30
Trichlorofluoromethane	1.0	U	200	206		ug/L		103	71 - 143	17	30
Vinyl chloride	1.0	U	200	226		ug/L		113	62 - 138	19	30
Xylenes, Total	2.0	U	400	436		ug/L		109	80 - 120	8	30

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

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

Lab Sample ID: 460-196269-3 MSD

Matrix: Water

Analysis Batch: 656120

Client Sample ID: MW-10

Prep Type: Total/NA

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		74 - 132
4-Bromofluorobenzene	87		77 - 124
Dibromofluoromethane (Surr)	102		72 - 131
Toluene-d8 (Surr)	103		80 - 120

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

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

QC Association Summary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

GC/MS VOA

Analysis Batch: 656031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-196269-1	MW-12	Total/NA	Water	8260C	
460-196269-2	MW-5	Total/NA	Water	8260C	
460-196269-4	MW-11	Total/NA	Water	8260C	
460-196269-6	MW-104D	Total/NA	Water	8260C	
460-196269-7	MW-X	Total/NA	Water	8260C	
460-196269-8	MW-104S	Total/NA	Water	8260C	
MB 460-656031/8	Method Blank	Total/NA	Water	8260C	
LCS 460-656031/3	Lab Control Sample	Total/NA	Water	8260C	
460-196269-1 MS	MW-12	Total/NA	Water	8260C	
460-196269-1 MSD	MW-12	Total/NA	Water	8260C	

Analysis Batch: 656120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-196269-3	MW-10	Total/NA	Water	8260C	
460-196269-5	MW-6	Total/NA	Water	8260C	
MB 460-656120/9	Method Blank	Total/NA	Water	8260C	
LCS 460-656120/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-656120/5	Lab Control Sample Dup	Total/NA	Water	8260C	
460-196269-3 MS	MW-10	Total/NA	Water	8260C	
460-196269-3 MSD	MW-10	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Client Sample ID: MW-12

Date Collected: 11/05/19 09:40

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	656031	11/17/19 07:26	AAT	TAL EDI

Client Sample ID: MW-5

Date Collected: 11/05/19 10:15

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	656031	11/17/19 07:52	AAT	TAL EDI

Client Sample ID: MW-10

Date Collected: 11/05/19 10:50

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	656120	11/17/19 21:56	AAT	TAL EDI

Client Sample ID: MW-11

Date Collected: 11/05/19 11:15

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	656031	11/17/19 08:43	AAT	TAL EDI

Client Sample ID: MW-6

Date Collected: 11/05/19 13:10

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	656120	11/17/19 22:21	AAT	TAL EDI

Client Sample ID: MW-104D

Date Collected: 11/05/19 12:00

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	656031	11/17/19 09:09	AAT	TAL EDI

Client Sample ID: MW-X

Date Collected: 11/05/19 00:00

Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	656031	11/17/19 09:34	AAT	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Client Sample ID: MW-104S
Date Collected: 11/05/19 12:40
Date Received: 11/12/19 10:01

Lab Sample ID: 460-196269-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	656031	11/17/19 10:00	AAT	TAL EDI

Laboratory References:
TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: DEC - SUNNYSIDE50 Spill#241123

Job ID: 460-196269-1

Laboratory: Eurofins TestAmerica, Edison

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-20

8260C

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-12	460-196269-1	104	101	102	85
MW-5	460-196269-2	103	100	105	88
MW-10	460-196269-3	102	96	103	90
MW-11	460-196269-4	105	100	103	84
MW-6	460-196269-5	99	96	102	84
MW-104D	460-196269-6	103	100	103	87
MW-X	460-196269-7	103	101	104	89
MW-104S	460-196269-8	101	97	102	86
	MB 460-656031/8	104	102	103	84
	MB 460-656120/9	102	97	102	83
	LCS 460-656031/3	99	101	101	86
	LCS 460-656120/4	102	100	101	85
	LCSD 460-656120/5	103	98	102	87
MW-12 MS	460-196269-1 MS	102	100	102	84
MW-10 MS	460-196269-3 MS	103	102	103	85
MW-12 MSD	460-196269-1 MSD	99	96	102	87
MW-10 MSD	460-196269-3 MSD	102	97	103	87

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

QC LIMITS
 72-131
 74-132
 80-120
 77-124

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: O44110.D
 Lab ID: LCS 460-656031/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.4	107	75-125	
1,1,2,2-Tetrachloroethane	20.0	23.6	118	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.0	105	59-150	
1,1,2-Trichloroethane	20.0	21.2	106	78-120	
1,1-Dichloroethane	20.0	21.8	109	77-123	
1,1-Dichloroethene	20.0	20.8	104	74-123	
1,2,4-Trichlorobenzene	20.0	20.0	100	80-124	
1,2-Dibromo-3-Chloropropane	20.0	21.6	108	55-134	
1,2-Dichlorobenzene	20.0	21.7	108	80-120	
1,2-Dichloroethane	20.0	19.1	95	76-121	
1,2-Dichloropropane	20.0	23.3	116	77-123	
1,3-Dichlorobenzene	20.0	20.8	104	80-120	
1,4-Dichlorobenzene	20.0	20.8	104	80-120	
2-Butanone (MEK)	100	94.9	95	64-120	
2-Hexanone	100	96.6	97	71-125	
4-Methyl-2-pentanone (MIBK)	100	100	100	78-124	
Acetone	100	82.6	83	39-150	
Benzene	20.0	22.7	114	77-121	
Bromoform	20.0	17.2	86	53-120	
Bromomethane	20.0	21.7	109	10-150	
Carbon disulfide	20.0	21.3	107	69-133	
Carbon tetrachloride	20.0	19.9	100	70-132	
Chlorobenzene	20.0	21.0	105	80-120	
Chlorodibromomethane	20.0	19.9	99	73-120	
Chloroethane	20.0	21.5	108	52-150	
Chloroform	20.0	20.6	103	80-120	
Chloromethane	20.0	23.0	115	56-131	
cis-1,2-Dichloroethene	20.0	21.7	109	80-120	
cis-1,3-Dichloropropene	20.0	24.2	121	77-120	*
Cyclohexane	20.0	23.8	119	56-150	
Dichlorobromomethane	20.0	20.5	102	76-120	
Dichlorodifluoromethane	20.0	22.7	114	50-131	
Ethylbenzene	20.0	21.6	108	80-120	
Ethylene Dibromide	20.0	20.1	101	80-120	
Isopropylbenzene	20.0	21.9	110	80-123	
Methyl acetate	40.0	41.6	104	66-144	
Methyl tert-butyl ether	20.0	22.3	112	79-122	
Methylcyclohexane	20.0	23.1	115	61-145	
Methylene Chloride	20.0	20.1	100	77-123	
Styrene	20.0	22.0	110	80-120	
Tetrachloroethene	20.0	19.3	97	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 044110.D
 Lab ID: LCS 460-656031/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	20.0	21.8	109	80-120	
trans-1,2-Dichloroethene	20.0	22.6	113	79-120	
trans-1,3-Dichloropropene	20.0	22.5	113	76-120	
Trichloroethene	20.0	20.6	103	77-120	
Trichlorofluoromethane	20.0	20.7	104	71-143	
Vinyl chloride	20.0	22.8	114	62-138	
Xylenes, Total	40.0	43.3	108	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: O44141.D
 Lab ID: LCS 460-656120/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	18.4	92	75-125	
1,1,2,2-Tetrachloroethane	20.0	22.7	113	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	16.5	83	59-150	
1,1,2-Trichloroethane	20.0	20.3	101	78-120	
1,1-Dichloroethane	20.0	21.0	105	77-123	
1,1-Dichloroethene	20.0	16.5	83	74-123	
1,2,4-Trichlorobenzene	20.0	20.5	102	80-124	
1,2-Dibromo-3-Chloropropane	20.0	22.5	112	55-134	
1,2-Dichlorobenzene	20.0	20.9	104	80-120	
1,2-Dichloroethane	20.0	18.4	92	76-121	
1,2-Dichloropropane	20.0	22.6	113	77-123	
1,3-Dichlorobenzene	20.0	20.2	101	80-120	
1,4-Dichlorobenzene	20.0	20.0	100	80-120	
2-Butanone (MEK)	100	98.8	99	64-120	
2-Hexanone	100	101	101	71-125	
4-Methyl-2-pentanone (MIBK)	100	101	101	78-124	
Acetone	100	74.9	75	39-150	
Benzene	20.0	20.6	103	77-121	
Bromoform	20.0	17.1	86	53-120	
Bromomethane	20.0	22.7	114	10-150	
Carbon disulfide	20.0	17.6	88	69-133	
Carbon tetrachloride	20.0	17.2	86	70-132	
Chlorobenzene	20.0	19.8	99	80-120	
Chlorodibromomethane	20.0	20.2	101	73-120	
Chloroethane	20.0	17.7	89	52-150	
Chloroform	20.0	19.6	98	80-120	
Chloromethane	20.0	19.1	96	56-131	
cis-1,2-Dichloroethene	20.0	20.6	103	80-120	
cis-1,3-Dichloropropene	20.0	23.3	117	77-120	
Cyclohexane	20.0	19.5	97	56-150	
Dichlorobromomethane	20.0	20.2	101	76-120	
Dichlorodifluoromethane	20.0	12.1	61	50-131	
Ethylbenzene	20.0	19.7	98	80-120	
Ethylene Dibromide	20.0	20.1	101	80-120	
Isopropylbenzene	20.0	19.5	97	80-123	
Methyl acetate	40.0	38.9	97	66-144	
Methyl tert-butyl ether	20.0	21.5	107	79-122	
Methylcyclohexane	20.0	19.0	95	61-145	
Methylene Chloride	20.0	19.5	98	77-123	
Styrene	20.0	20.9	104	80-120	
Tetrachloroethene	20.0	16.5	83	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 044141.D
Lab ID: LCS 460-656120/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	20.0	19.8	99	80-120	
trans-1,2-Dichloroethene	20.0	20.3	101	79-120	
trans-1,3-Dichloropropene	20.0	22.2	111	76-120	
Trichloroethene	20.0	18.7	94	77-120	
Trichlorofluoromethane	20.0	15.4	77	71-143	
Vinyl chloride	20.0	16.8	84	62-138	
Xylenes, Total	40.0	39.6	99	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-196269-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: O44142.D

Lab ID: LCSD 460-656120/5

Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	20.0	18.8	94	2	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	23.4	117	3	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	16.5	82	0	30	59-150	
1,1,2-Trichloroethane	20.0	21.3	107	5	30	78-120	
1,1-Dichloroethane	20.0	21.5	107	2	30	77-123	
1,1-Dichloroethene	20.0	17.4	87	5	30	74-123	
1,2,4-Trichlorobenzene	20.0	20.4	102	0	30	80-124	
1,2-Dibromo-3-Chloropropane	20.0	22.8	114	1	30	55-134	
1,2-Dichlorobenzene	20.0	21.5	108	3	30	80-120	
1,2-Dichloroethane	20.0	19.2	96	4	30	76-121	
1,2-Dichloropropane	20.0	23.3	116	3	30	77-123	
1,3-Dichlorobenzene	20.0	20.4	102	1	30	80-120	
1,4-Dichlorobenzene	20.0	20.0	100	0	30	80-120	
2-Butanone (MEK)	100	99.6	100	1	30	64-120	
2-Hexanone	100	101	101	0	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	101	101	0	30	78-124	
Acetone	100	81.0	81	8	30	39-150	
Benzene	20.0	20.9	104	2	30	77-121	
Bromoform	20.0	17.3	86	1	30	53-120	
Bromomethane	20.0	22.8	114	0	30	10-150	
Carbon disulfide	20.0	18.1	91	3	30	69-133	
Carbon tetrachloride	20.0	18.0	90	4	30	70-132	
Chlorobenzene	20.0	20.0	100	1	30	80-120	
Chlorodibromomethane	20.0	20.5	103	1	30	73-120	
Chloroethane	20.0	17.2	86	3	30	52-150	
Chloroform	20.0	20.5	102	5	30	80-120	
Chloromethane	20.0	19.2	96	1	30	56-131	
cis-1,2-Dichloroethene	20.0	21.1	105	2	30	80-120	
cis-1,3-Dichloropropene	20.0	23.9	120	2	30	77-120	
Cyclohexane	20.0	19.6	98	1	30	56-150	
Dichlorobromomethane	20.0	20.4	102	1	30	76-120	
Dichlorodifluoromethane	20.0	12.5	63	3	30	50-131	
Ethylbenzene	20.0	19.9	99	1	30	80-120	
Ethylene Dibromide	20.0	20.6	103	2	30	80-120	
Isopropylbenzene	20.0	19.7	99	1	30	80-123	
Methyl acetate	40.0	40.5	101	4	30	66-144	
Methyl tert-butyl ether	20.0	22.2	111	3	30	79-122	
Methylcyclohexane	20.0	19.1	96	1	30	61-145	
Methylene Chloride	20.0	20.3	102	4	30	77-123	
Styrene	20.0	21.6	108	3	30	80-120	
Tetrachloroethene	20.0	16.9	85	3	30	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 044142.D
 Lab ID: LCSD 460-656120/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Toluene	20.0	20.0	100	1	30	80-120	
trans-1,2-Dichloroethene	20.0	20.8	104	3	30	79-120	
trans-1,3-Dichloropropene	20.0	23.3	116	5	30	76-120	
Trichloroethene	20.0	19.4	97	3	30	77-120	
Trichlorofluoromethane	20.0	16.4	82	6	30	71-143	
Vinyl chloride	20.0	17.2	86	2	30	62-138	
Xylenes, Total	40.0	40.6	101	3	30	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-196269-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: 044125.D

Lab ID: 460-196269-1 MS

Client ID: MW-12 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	1.0 U	18.4	92	75-125	
1,1,2,2-Tetrachloroethane	20.0	1.0 U	20.0	100	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	1.0 U	16.9	84	59-150	
1,1,2-Trichloroethane	20.0	1.0 U	18.3	92	78-120	
1,1-Dichloroethane	20.0	1.0 U	19.5	97	77-123	
1,1-Dichloroethene	20.0	1.0 U	18.0	90	74-123	
1,2,4-Trichlorobenzene	20.0	1.0 U	16.3	81	80-124	
1,2-Dibromo-3-Chloropropane	20.0	1.0 U	19.3	97	55-134	
1,2-Dichlorobenzene	20.0	1.0 U	18.5	92	80-120	
1,2-Dichloroethane	20.0	1.0 U	16.8	84	76-121	
1,2-Dichloropropane	20.0	1.0 U	20.4	102	77-123	
1,3-Dichlorobenzene	20.0	1.0 U	18.1	90	80-120	
1,4-Dichlorobenzene	20.0	1.0 U	17.6	88	80-120	
2-Butanone (MEK)	100	5.0 U	84.8	85	64-120	
2-Hexanone	100	5.0 U	86.6	87	71-125	
4-Methyl-2-pentanone (MIBK)	100	5.0 U	88.9	89	78-124	
Acetone	100	5.0 U	67.0	67	39-150	
Benzene	20.0	1.0 U	20.0	100	77-121	
Bromoform	20.0	1.0 U	14.9	75	53-120	
Bromomethane	20.0	1.0 U	19.8	99	10-150	
Carbon disulfide	20.0	1.0 U	18.1	91	69-133	
Carbon tetrachloride	20.0	1.0 U	17.4	87	70-132	
Chlorobenzene	20.0	1.0 U	18.2	91	80-120	
Chlorodibromomethane	20.0	1.0 U	17.5	87	73-120	
Chloroethane	20.0	1.0 U	19.4	97	52-150	
Chloroform	20.0	1.0 U	18.6	93	80-120	
Chloromethane	20.0	1.0 U	21.2	106	56-131	
cis-1,2-Dichloroethene	20.0	8.9	26.6	88	80-120	
cis-1,3-Dichloropropene	20.0	1.0 U	20.5	102	77-120	
Cyclohexane	20.0	1.0 U	20.5	103	56-150	
Dichlorobromomethane	20.0	1.0 U	17.8	89	76-120	
Dichlorodifluoromethane	20.0	1.0 U	17.7	89	50-131	
Ethylbenzene	20.0	1.0 U	19.0	95	80-120	
Ethylene Dibromide	20.0	1.0 U	17.8	89	80-120	
Isopropylbenzene	20.0	1.0 U	18.8	94	80-123	
Methyl acetate	40.0	5.0 U	35.3	88	66-144	
Methyl tert-butyl ether	20.0	1.0 U	19.5	98	79-122	
Methylcyclohexane	20.0	1.0 U	19.8	99	61-145	
Methylene Chloride	20.0	1.0 U	17.5	88	77-123	
Styrene	20.0	1.0 U	19.3	96	80-120	
Tetrachloroethene	20.0	32	47.4	75	78-122	*

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 044125.D
Lab ID: 460-196269-1 MS Client ID: MW-12 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	20.0	1.0 U	19.3	96	80-120	
trans-1,2-Dichloroethene	20.0	1.9	21.0	96	79-120	
trans-1,3-Dichloropropene	20.0	1.0 U	18.4	92	76-120	
Trichloroethene	20.0	11	27.9	86	77-120	
Trichlorofluoromethane	20.0	1.0 U	18.2	91	71-143	
Vinyl chloride	20.0	1.0 U	19.9	99	62-138	
Xylenes, Total	40.0	2.0 U	38.0	95	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-196269-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: O44162.D

Lab ID: 460-196269-3 MS

Client ID: MW-10 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	200	1.0 U	197	99	75-125	
1,1,2,2-Tetrachloroethane	200	1.0 U	215	108	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	200	1.0 U	188	94	59-150	
1,1,2-Trichloroethane	200	1.0 U	199	100	78-120	
1,1-Dichloroethane	200	1.0 U	210	105	77-123	
1,1-Dichloroethene	200	1.0 U	189	94	74-123	
1,2,4-Trichlorobenzene	200	1.0 U	176	88	80-124	
1,2-Dibromo-3-Chloropropane	200	1.0 U	198	99	55-134	
1,2-Dichlorobenzene	200	1.0 U	198	99	80-120	
1,2-Dichloroethane	200	1.0 U	178	89	76-121	
1,2-Dichloropropane	200	1.0 U	225	112	77-123	
1,3-Dichlorobenzene	200	1.0 U	191	96	80-120	
1,4-Dichlorobenzene	200	1.0 U	189	95	80-120	
2-Butanone (MEK)	1000	5.0 U	886	89	64-120	
2-Hexanone	1000	5.0 U	998	100	71-125	
4-Methyl-2-pentanone (MIBK)	1000	5.0 U	998	100	78-124	
Acetone	1000	5.0 U	668	67	39-150	
Benzene	200	1.0 U	213	107	77-121	
Bromoform	200	1.0 U	166	83	53-120	
Bromomethane	200	1.0 U	175	88	10-150	
Carbon disulfide	200	1.0 U	194	97	69-133	
Carbon tetrachloride	200	1.0 U	190	95	70-132	
Chlorobenzene	200	1.0 U	200	100	80-120	
Chlorodibromomethane	200	1.0 U	191	95	73-120	
Chloroethane	200	1.0 U	223	111	52-150	
Chloroform	200	0.64 J	203	101	80-120	
Chloromethane	200	1.0 U	190	95	56-131	
cis-1,2-Dichloroethene	200	1.0 U	210	105	80-120	
cis-1,3-Dichloropropene	200	1.0 U	223	111	77-120	
Cyclohexane	200	1.0 U	224	112	56-150	
Dichlorobromomethane	200	1.0 U	199	99	76-120	
Dichlorodifluoromethane	200	1.0 U	132	66	50-131	
Ethylbenzene	200	1.0 U	205	102	80-120	
Ethylene Dibromide	200	1.0 U	198	99	80-120	
Isopropylbenzene	200	1.0 U	206	103	80-123	
Methyl acetate	400	5.0 U	357	89	66-144	
Methyl tert-butyl ether	200	1.0 U	209	105	79-122	
Methylcyclohexane	200	1.0 U	217	109	61-145	
Methylene Chloride	200	1.0 U	194	97	77-123	
Styrene	200	1.0 U	208	104	80-120	
Tetrachloroethene	200	0.40 J	180	90	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: O44162.D
 Lab ID: 460-196269-3 MS Client ID: MW-10 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	200	1.0 U	204	102	80-120	
trans-1,2-Dichloroethene	200	1.0 U	213	107	79-120	
trans-1,3-Dichloropropene	200	1.0 U	206	103	76-120	
Trichloroethene	200	1.0 U	198	99	77-120	
Trichlorofluoromethane	200	1.0 U	175	87	71-143	
Vinyl chloride	200	1.0 U	187	94	62-138	
Xylenes, Total	400	2.0 U	404	101	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-196269-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: O44126.D

Lab ID: 460-196269-1 MSD

Client ID: MW-12 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	20.0	21.4	107	15	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	23.8	119	17	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.7	99	15	30	59-150	
1,1,2-Trichloroethane	20.0	21.7	108	17	30	78-120	
1,1-Dichloroethane	20.0	23.2	116	17	30	77-123	
1,1-Dichloroethene	20.0	20.3	102	12	30	74-123	
1,2,4-Trichlorobenzene	20.0	20.4	102	23	30	80-124	
1,2-Dibromo-3-Chloropropane	20.0	22.3	112	15	30	55-134	
1,2-Dichlorobenzene	20.0	22.0	110	18	30	80-120	
1,2-Dichloroethane	20.0	19.6	98	16	30	76-121	
1,2-Dichloropropane	20.0	23.8	119	15	30	77-123	
1,3-Dichlorobenzene	20.0	21.0	105	15	30	80-120	
1,4-Dichlorobenzene	20.0	20.8	104	17	30	80-120	
2-Butanone (MEK)	100	99.3	99	16	30	64-120	
2-Hexanone	100	104	104	18	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	105	105	17	30	78-124	
Acetone	100	80.4	80	18	30	39-150	
Benzene	20.0	23.3	116	15	30	77-121	
Bromoform	20.0	18.2	91	20	30	53-120	
Bromomethane	20.0	22.1	111	11	30	10-150	
Carbon disulfide	20.0	21.2	106	16	30	69-133	
Carbon tetrachloride	20.0	20.7	104	17	30	70-132	
Chlorobenzene	20.0	21.3	107	16	30	80-120	
Chlorodibromomethane	20.0	20.9	104	18	30	73-120	
Chloroethane	20.0	18.7	93	4	30	52-150	
Chloroform	20.0	21.2	106	13	30	80-120	
Chloromethane	20.0	21.8	109	3	30	56-131	
cis-1,2-Dichloroethene	20.0	30.3	107	13	30	80-120	
cis-1,3-Dichloropropene	20.0	24.5	123	18	30	77-120	*
Cyclohexane	20.0	23.0	115	11	30	56-150	
Dichlorobromomethane	20.0	21.1	106	17	30	76-120	
Dichlorodifluoromethane	20.0	18.8	94	6	30	50-131	
Ethylbenzene	20.0	21.9	110	15	30	80-120	
Ethylene Dibromide	20.0	21.1	105	17	30	80-120	
Isopropylbenzene	20.0	22.3	111	17	30	80-123	
Methyl acetate	40.0	37.7	94	7	30	66-144	
Methyl tert-butyl ether	20.0	22.8	114	16	30	79-122	
Methylcyclohexane	20.0	22.5	113	13	30	61-145	
Methylene Chloride	20.0	20.8	104	17	30	77-123	
Styrene	20.0	22.8	114	17	30	80-120	
Tetrachloroethene	20.0	50.4	91	6	30	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 044126.D
 Lab ID: 460-196269-1 MSD Client ID: MW-12 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Toluene	20.0	22.2	111	14	30	80-120	
trans-1,2-Dichloroethene	20.0	24.4	112	15	30	79-120	
trans-1,3-Dichloropropene	20.0	23.2	116	23	30	76-120	
Trichloroethene	20.0	31.1	102	11	30	77-120	
Trichlorofluoromethane	20.0	18.8	94	3	30	71-143	
Vinyl chloride	20.0	21.1	105	6	30	62-138	
Xylenes, Total	40.0	44.2	110	15	30	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-196269-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: O44163.D

Lab ID: 460-196269-3 MSD

Client ID: MW-10 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	200	219	109	10	30	75-125	
1,1,2,2-Tetrachloroethane	200	233	117	8	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	200	200	100	6	30	59-150	
1,1,2-Trichloroethane	200	217	109	9	30	78-120	
1,1-Dichloroethane	200	232	116	10	30	77-123	
1,1-Dichloroethene	200	197	99	4	30	74-123	
1,2,4-Trichlorobenzene	200	201	101	13	30	80-124	
1,2-Dibromo-3-Chloropropane	200	221	110	11	30	55-134	
1,2-Dichlorobenzene	200	219	110	10	30	80-120	
1,2-Dichloroethane	200	193	97	8	30	76-121	
1,2-Dichloropropane	200	237	118	5	30	77-123	
1,3-Dichlorobenzene	200	212	106	10	30	80-120	
1,4-Dichlorobenzene	200	208	104	9	30	80-120	
2-Butanone (MEK)	1000	986	99	11	30	64-120	
2-Hexanone	1000	1070	107	7	30	71-125	
4-Methyl-2-pentanone (MIBK)	1000	1070	107	7	30	78-124	
Acetone	1000	799	80	18	30	39-150	
Benzene	200	229	114	7	30	77-121	
Bromoform	200	183	92	10	30	53-120	
Bromomethane	200	234	117	29	30	10-150	
Carbon disulfide	200	209	105	7	30	69-133	
Carbon tetrachloride	200	208	104	9	30	70-132	
Chlorobenzene	200	213	107	7	30	80-120	
Chlorodibromomethane	200	209	105	9	30	73-120	
Chloroethane	200	255	127	13	30	52-150	
Chloroform	200	213	106	5	30	80-120	
Chloromethane	200	231	116	20	30	56-131	
cis-1,2-Dichloroethene	200	222	111	6	30	80-120	
cis-1,3-Dichloropropene	200	235	117	5	30	77-120	
Cyclohexane	200	234	117	4	30	56-150	
Dichlorobromomethane	200	214	107	7	30	76-120	
Dichlorodifluoromethane	200	154	77	16	30	50-131	
Ethylbenzene	200	224	112	9	30	80-120	
Ethylene Dibromide	200	209	105	5	30	80-120	
Isopropylbenzene	200	225	112	9	30	80-123	
Methyl acetate	400	403	101	12	30	66-144	
Methyl tert-butyl ether	200	226	113	7	30	79-122	
Methylcyclohexane	200	234	117	7	30	61-145	
Methylene Chloride	200	206	103	6	30	77-123	
Styrene	200	226	113	9	30	80-120	
Tetrachloroethene	200	194	97	8	30	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 044163.D
 Lab ID: 460-196269-3 MSD Client ID: MW-10 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Toluene	200	220	110	8	30	80-120	
trans-1,2-Dichloroethene	200	229	114	7	30	79-120	
trans-1,3-Dichloropropene	200	228	114	10	30	76-120	
Trichloroethene	200	213	107	8	30	77-120	
Trichlorofluoromethane	200	206	103	17	30	71-143	
Vinyl chloride	200	226	113	19	30	62-138	
Xylenes, Total	400	436	109	8	30	80-120	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
SDG No.: _____
Lab File ID: O44115.D Lab Sample ID: MB 460-656031/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CVOAMS12 Date Analyzed: 11/17/2019 07:01
GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-656031/3	O44110.D	11/17/2019 04:52
MW-12	460-196269-1	O44116.D	11/17/2019 07:26
MW-5	460-196269-2	O44117.D	11/17/2019 07:52
MW-11	460-196269-4	O44119.D	11/17/2019 08:43
MW-104D	460-196269-6	O44120.D	11/17/2019 09:09
MW-X	460-196269-7	O44121.D	11/17/2019 09:34
MW-104S	460-196269-8	O44122.D	11/17/2019 10:00
MW-12 MS	460-196269-1 MS	O44125.D	11/17/2019 11:17
MW-12 MSD	460-196269-1 MSD	O44126.D	11/17/2019 11:42

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
SDG No.: _____
Lab File ID: O44146.D Lab Sample ID: MB 460-656120/9
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CVOAMS12 Date Analyzed: 11/17/2019 21:20
GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-656120/4	O44141.D	11/17/2019 19:12
	LCSD 460-656120/5	O44142.D	11/17/2019 19:37
MW-10	460-196269-3	O44147 .D	11/17/2019 21:56
MW-6	460-196269-5	O44148.D	11/17/2019 22:21
MW-10 MS	460-196269-3 MS	O44162.D	11/18/2019 04:50
MW-10 MSD	460-196269-3 MSD	O44163.D	11/18/2019 05:16

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Lab File ID: O43444.D BFB Injection Date: 11/04/2019
 Instrument ID: CVOAMS12 BFB Injection Time: 07:39
 Analysis Batch No.: 652570

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.5
75	30.0 - 60.0 % of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.1
173	Less than 2.0 % of mass 174	0.4 (0.4) 1
174	50.0 - 120.00 % of mass 95	84.3
175	5.0 - 9.0 % of mass 174	6.3 (7.4) 1
176	95.0 - 101.0 % of mass 174	81.0 (96.1) 1
177	5.0 - 9.0 % of mass 176	6.2 (7.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8 460-652570/3	O43446.D	11/04/2019	08:25
	STD05 460-652570/4	O43447.D	11/04/2019	08:50
	STD1 460-652570/5	O43448.D	11/04/2019	09:16
	STD5 460-652570/6	O43449.D	11/04/2019	09:42
	STD20 460-652570/7	O43450.D	11/04/2019	10:08
	STD50 460-652570/8	O43451.D	11/04/2019	10:33
	STD200 460-652570/9	O43452.D	11/04/2019	10:59
	STD500 460-652570/10	O43453.D	11/04/2019	11:24

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
SDG No.: _____
Lab File ID: O44108.D BFB Injection Date: 11/17/2019
Instrument ID: CVOAMS12 BFB Injection Time: 04:03
Analysis Batch No.: 656031

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.9
75	30.0 - 60.0 % of mass 95	48.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.6
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	73.6
175	5.0 - 9.0 % of mass 174	5.6 (7.6) 1
176	95.0 - 101.0 % of mass 174	71.6 (97.3) 1
177	5.0 - 9.0 % of mass 176	4.6 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-656031/2	O44109.D	11/17/2019	04:26
	LCS 460-656031/3	O44110.D	11/17/2019	04:52
	MB 460-656031/8	O44115.D	11/17/2019	07:01
MW-12	460-196269-1	O44116.D	11/17/2019	07:26
MW-5	460-196269-2	O44117.D	11/17/2019	07:52
MW-11	460-196269-4	O44119.D	11/17/2019	08:43
MW-104D	460-196269-6	O44120.D	11/17/2019	09:09
MW-X	460-196269-7	O44121.D	11/17/2019	09:34
MW-104S	460-196269-8	O44122.D	11/17/2019	10:00
MW-12 MS	460-196269-1 MS	O44125.D	11/17/2019	11:17
MW-12 MSD	460-196269-1 MSD	O44126.D	11/17/2019	11:42

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
SDG No.: _____
Lab File ID: O44138.D BFB Injection Date: 11/17/2019
Instrument ID: CVOAMS12 BFB Injection Time: 17:41
Analysis Batch No.: 656120

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.5
75	30.0 - 60.0 % of mass 95	46.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.6
173	Less than 2.0 % of mass 174	0.4 (0.5) 1
174	50.0 - 120.00 % of mass 95	75.5
175	5.0 - 9.0 % of mass 174	5.3 (7.1) 1
176	95.0 - 101.0 % of mass 174	75.6 (100.2) 1
177	5.0 - 9.0 % of mass 176	4.6 (6.1) 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 460-656120/3	O44140.D	11/17/2019	18:46
	LCS 460-656120/4	O44141.D	11/17/2019	19:12
	LCSD 460-656120/5	O44142.D	11/17/2019	19:37
	MB 460-656120/9	O44146.D	11/17/2019	21:20
MW-10	460-196269-3	O44147 .D	11/17/2019	21:56
MW-6	460-196269-5	O44148.D	11/17/2019	22:21
MW-10 MS	460-196269-3 MS	O44162.D	11/18/2019	04:50
MW-10 MSD	460-196269-3 MSD	O44163.D	11/18/2019	05:16

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Sample No.: CCVIS 460-656031/2 Date Analyzed: 11/17/2019 04:26
 Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): O44109.D Heated Purge: (Y/N) N
 Calibration ID: 77398

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		183277	2.01	270856	2.86	789467	3.90
UPPER LIMIT		366554	2.51	541712	3.36	1578934	4.40
LOWER LIMIT		91639	1.51	135428	2.36	394734	3.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-656031/3		224955	2.02	310097	2.86	836092	3.90
MB 460-656031/8		224573	2.02	280506	2.86	808279	3.90
460-196269-1	MW-12	211614	2.02	275648	2.86	810228	3.90
460-196269-2	MW-5	207260	2.01	265289	2.86	802075	3.90
460-196269-4	MW-11	216459	2.02	277905	2.86	813050	3.90
460-196269-6	MW-104D	217874	2.02	280869	2.86	819957	3.90
460-196269-7	MW-X	221988	2.01	293418	2.86	830476	3.90
460-196269-8	MW-104S	216227	2.02	287694	2.86	828195	3.90
460-196269-1 MS	MW-12 MS	211994	2.02	293681	2.86	825025	3.90
460-196269-1 MSD	MW-12 MSD	218104	2.02	298224	2.86	829070	3.90

TBAd9 = TBA-d9 (IS)
 BUT = 2-Butanone-d5
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Sample No.: CCVIS 460-656031/2 Date Analyzed: 11/17/2019 04:26
 Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): O44109.D Heated Purge: (Y/N) N
 Calibration ID: 77398

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		40121	4.61	626606	7.58	337319	11.29
UPPER LIMIT		80242	5.11	1253212	8.08	674638	11.79
LOWER LIMIT		20061	4.11	313303	7.08	168660	10.79
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-656031/3		44310	4.61	652808	7.58	357705	11.29
MB 460-656031/8		44483	4.61	634180	7.58	350713	11.29
460-196269-1	MW-12	44079	4.61	634990	7.58	356463	11.29
460-196269-2	MW-5	40809	4.61	627120	7.58	345464	11.29
460-196269-4	MW-11	45177	4.61	636634	7.58	351717	11.29
460-196269-6	MW-104D	45438	4.61	638904	7.58	352909	11.29
460-196269-7	MW-X	45882	4.61	643853	7.58	354562	11.29
460-196269-8	MW-104S	46229	4.62	641962	7.58	354678	11.30
460-196269-1 MS	MW-12 MS	44246	4.61	647429	7.58	355007	11.30
460-196269-1 MSD	MW-12 MSD	44959	4.62	650427	7.58	357764	11.30

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

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

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Sample No.: CCVIS 460-656120/3 Date Analyzed: 11/17/2019 18:46
 Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): O44140.D Heated Purge: (Y/N) N
 Calibration ID: 77398

		TBA _d 9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		204949	2.02	287843	2.87	828069	3.91
UPPER LIMIT		409898	2.52	575686	3.37	1656138	4.41
LOWER LIMIT		102475	1.52	143922	2.37	414035	3.41
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 460-656120/4		210266	2.02	279220	2.87	820985	3.91
LCSD 460-656120/5		221307	2.02	295316	2.87	814565	3.91
MB 460-656120/9		217589	2.02	280578	2.87	814639	3.91
460-196269-3	MW-10	204582	2.02	262325	2.87	819389	3.91
460-196269-5	MW-6	209703	2.02	278226	2.87	834639	3.91
460-196269-3 MS	MW-10 MS	212882	2.02	293749	2.87	820478	3.92
460-196269-3 MSD	MW-10 MSD	220126	2.02	292991	2.87	825605	3.92

TBA_d9 = TBA-d₉ (IS)
 BUT = 2-Butanone-d₅
 FB = Fluorobenzene

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
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Sample No.: CCVIS 460-656120/3 Date Analyzed: 11/17/2019 18:46
 Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): O44140.D Heated Purge: (Y/N) N
 Calibration ID: 77398

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		42859	4.63	652399	7.59	359632	11.30
UPPER LIMIT		85718	5.13	1304798	8.09	719264	11.80
LOWER LIMIT		21430	4.13	326200	7.09	179816	10.80
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 460-656120/4		44621	4.62	654077	7.59	358744	11.30
LCSD 460-656120/5		44287	4.62	653660	7.59	357065	11.30
MB 460-656120/9		44099	4.63	643560	7.59	353652	11.30
460-196269-3	MW-10	41881	4.62	639185	7.59	354982	11.30
460-196269-5	MW-6	44099	4.62	648883	7.59	354455	11.30
460-196269-3 MS	MW-10 MS	44017	4.63	654254	7.59	363481	11.30
460-196269-3 MSD	MW-10 MSD	44596	4.63	660376	7.59	365325	11.30

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

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

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

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Edison</u>	Job No.: <u>460-196269-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-12</u>	Lab Sample ID: <u>460-196269-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>O44116.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>11/05/2019 09:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>11/17/2019 07:26</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>656031</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.43
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.43
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	8.9		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U *	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: MW-12 Lab Sample ID: 460-196269-1
 Matrix: Water Lab File ID: O44116.D
 Analysis Method: 8260C Date Collected: 11/05/2019 09:40
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 07:26
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656031 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
108-87-2	Methylcyclohexane	1.0	U	1.0	0.26
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	32		1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.9		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.49
79-01-6	Trichloroethene	11		1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		74-132
460-00-4	4-Bromofluorobenzene	85		77-124
1868-53-7	Dibromofluoromethane (Surr)	104		72-131
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44116.D
 Lims ID: 460-196269-C-1
 Client ID: MW-12
 Sample Type: Client
 Inject. Date: 17-Nov-2019 07:26:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-196269-C-1
 Misc. Info.: 460-0101333-009
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 19-Nov-2019 19:11:39 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0307

First Level Reviewer: yallabg

Date: 17-Nov-2019 20:16:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
24 Isopropyl alcohol	45	1.808	1.808	0.000	98	3978	23.5	
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	100	211614	1000.0	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	90	6797	1.91	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	100	275648	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	99	36265	8.93	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	153750	51.8	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.574	0.007	0	159307	50.6	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	810228	50.0	
68 Trichloroethene	95	4.267	4.267	0.000	98	41945	10.6	
* 72 1,4-Dioxane-d8	96	4.611	4.610	0.001	0	44079	1000.0	
\$ 83 Toluene-d8 (Surr)	98	5.647	5.647	0.000	100	631147	50.9	
88 Tetrachloroethene	166	6.427	6.427	0.000	96	134343	32.3	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	86	634990	50.0	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	88	176166	42.6	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	95	356463	50.0	
125 2,3-Dihydroindene	117	11.682	11.682	0.000	95	8846	0.6034	
127 p-Diethylbenzene	119	11.875	11.875	0.000	88	1281	0.2056	
130 1,2,4,5-Tetramethylbenzene	119	12.748	12.747	0.001	97	7213	0.6330	
S 137 1,2-Dichloroethene, Total	100				0		10.8	

Reagents:

8260ISNEW_00127 Amount Added: 1.00 Units: uL Run Reagent
 8260SURR250_00203 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44116.D

Injection Date: 17-Nov-2019 07:26:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: 460-196269-C-1

Lab Sample ID: 460-196269-1

Worklist Smp#: 9

Client ID: MW-12

Purge Vol: 5.000 mL

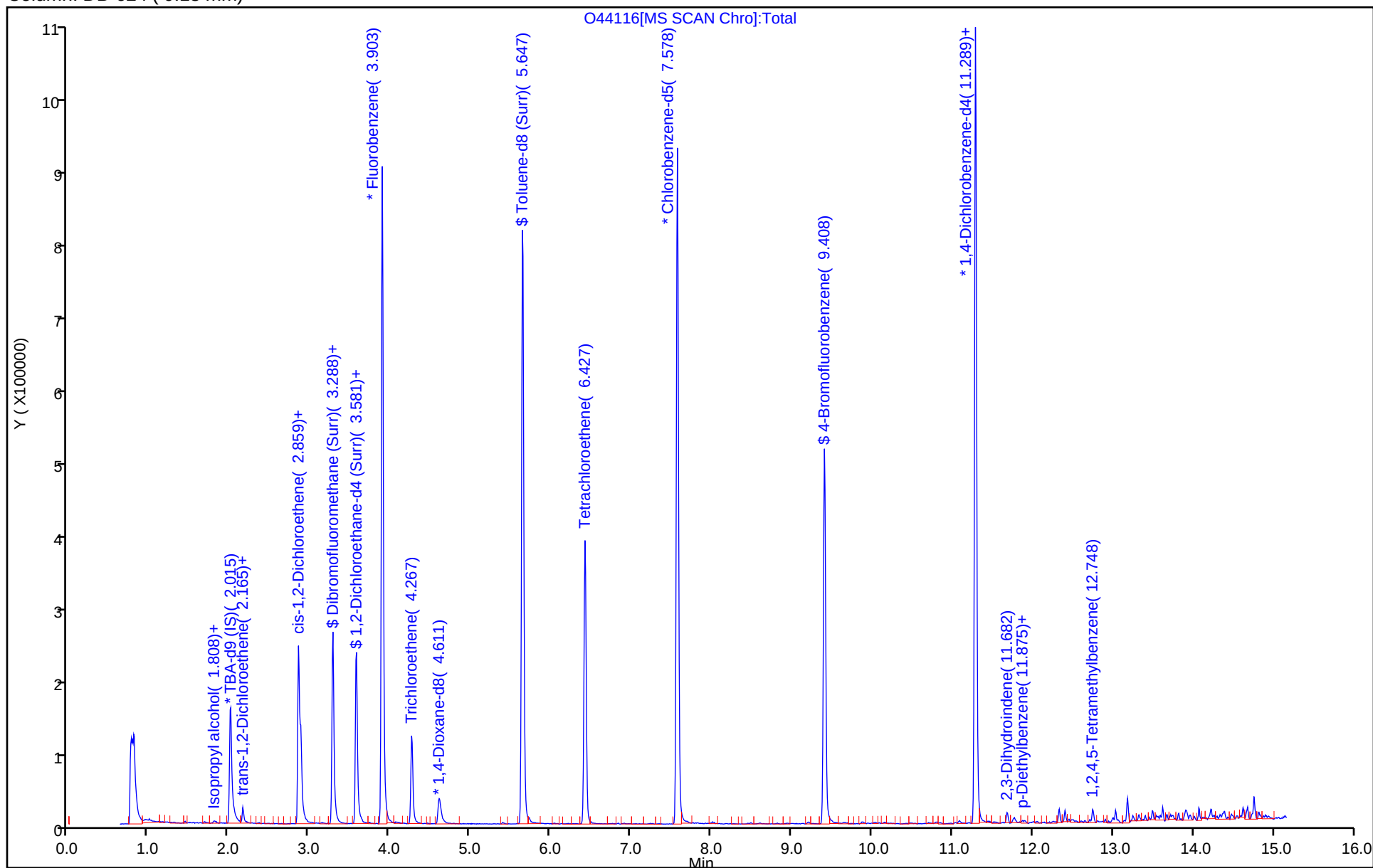
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44116.D

Injection Date: 17-Nov-2019 07:26:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-C-1

Lab Sample ID: 460-196269-1

Client ID: MW-12

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

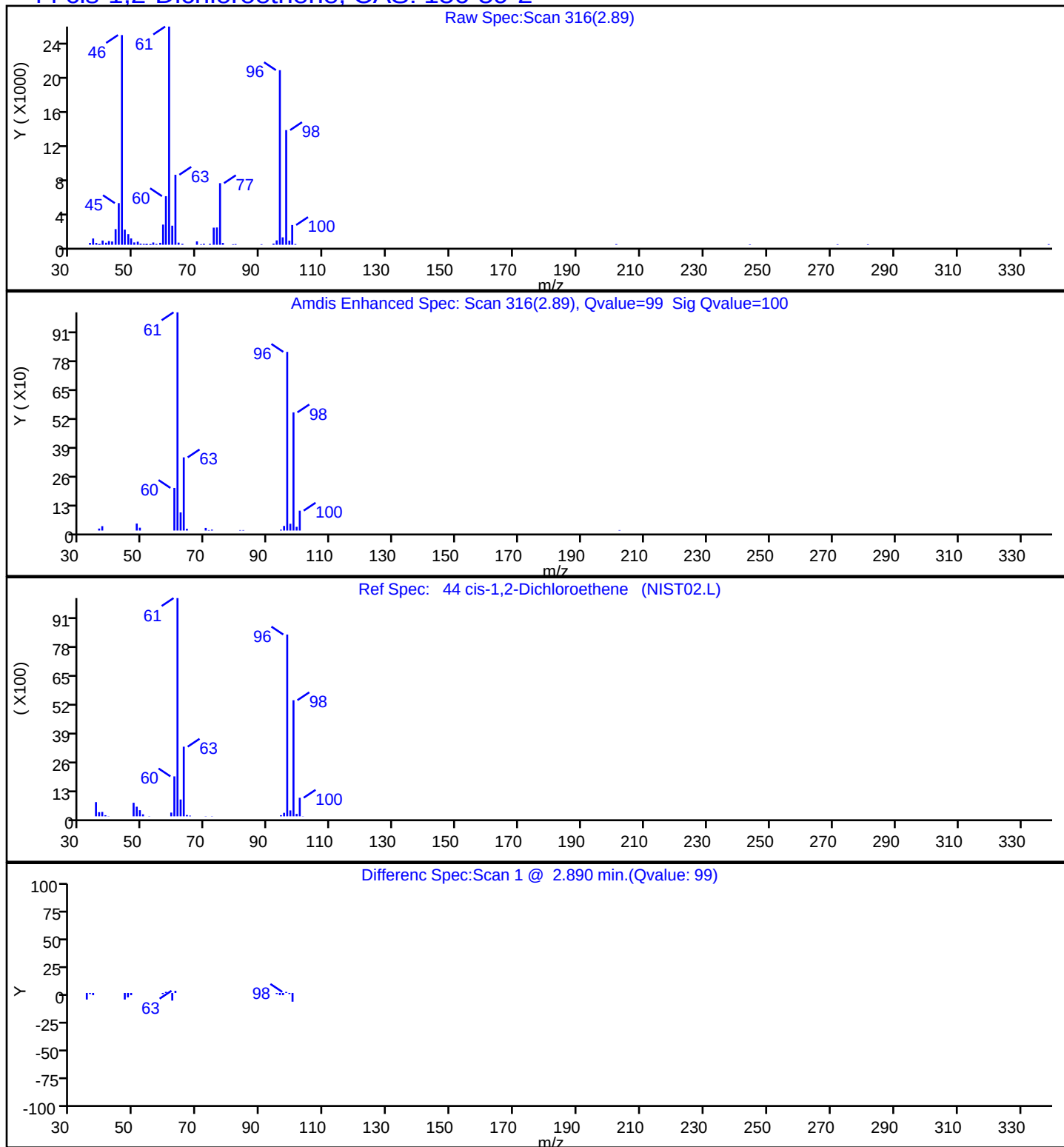
Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

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

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44116.D

Injection Date: 17-Nov-2019 07:26:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-C-1

Lab Sample ID: 460-196269-1

Client ID: MW-12

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

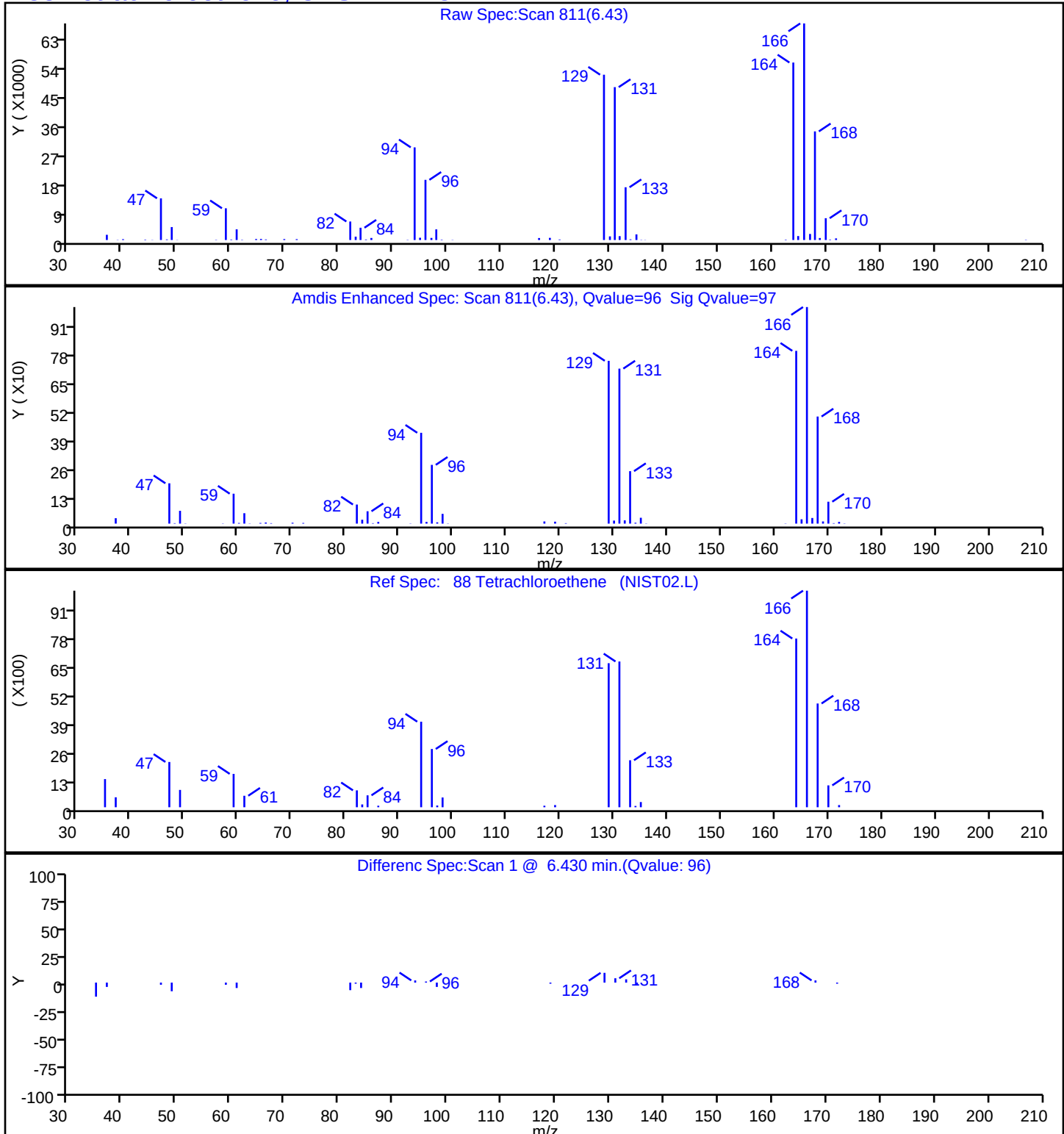
Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

88 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44116.D

Injection Date: 17-Nov-2019 07:26:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-C-1

Lab Sample ID: 460-196269-1

Client ID: MW-12

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

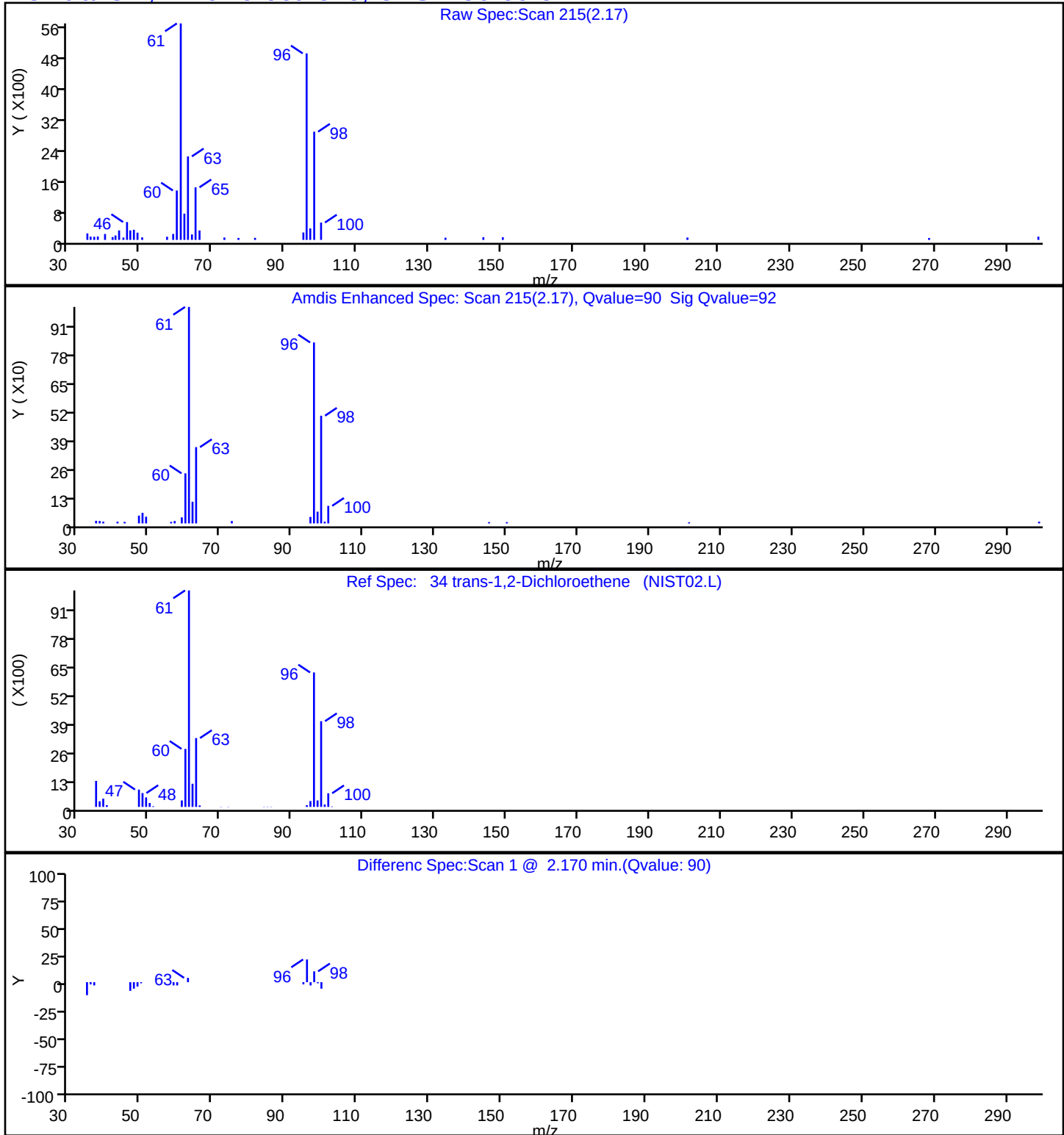
Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

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

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44116.D

Injection Date: 17-Nov-2019 07:26:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-C-1

Lab Sample ID: 460-196269-1

Client ID: MW-12

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

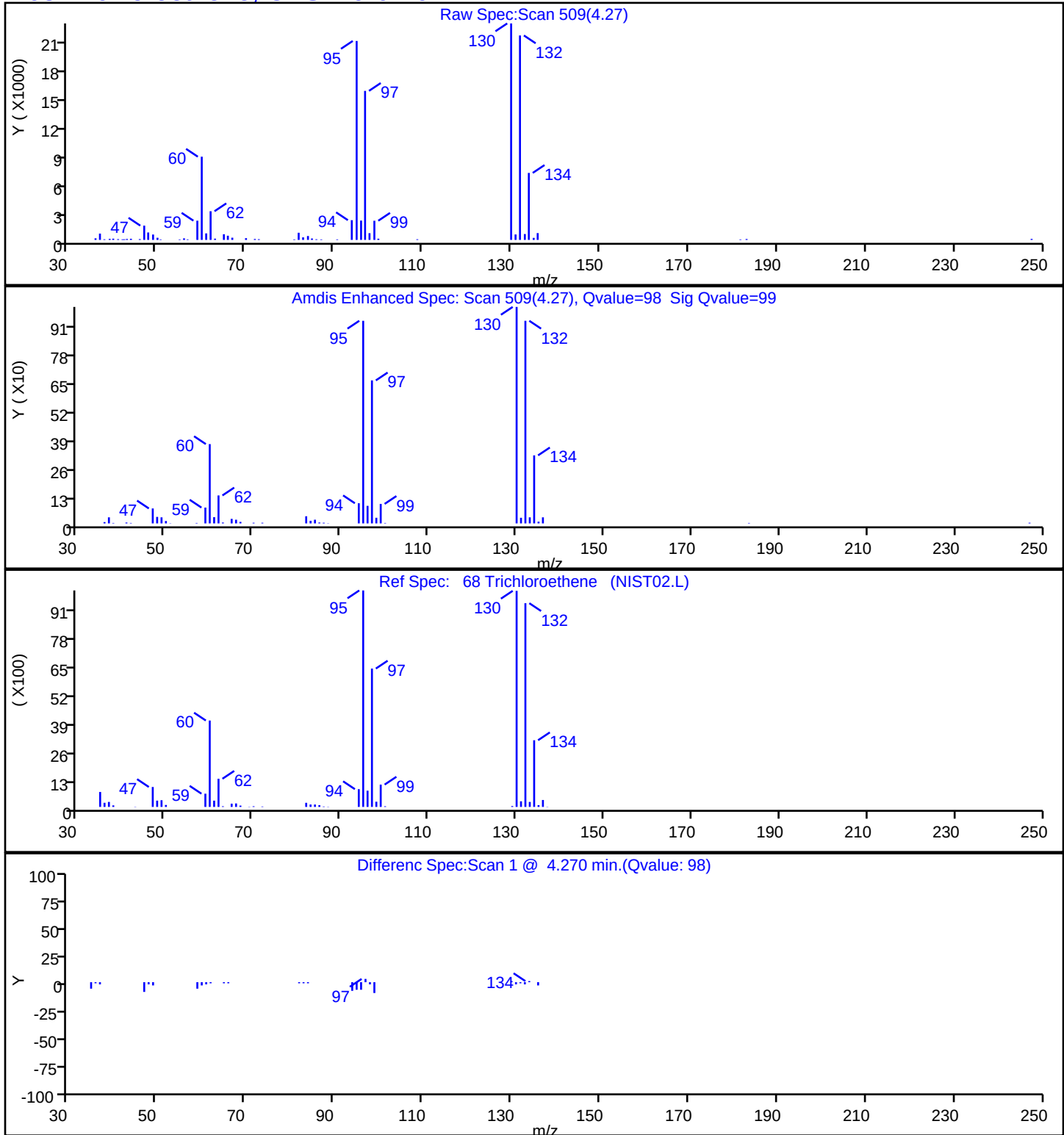
Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

68 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44116.D

Injection Date: 17-Nov-2019 07:26:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-C-1

Lab Sample ID: 460-196269-1

Client ID: MW-12

Operator ID:

ALS Bottle#:

8

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

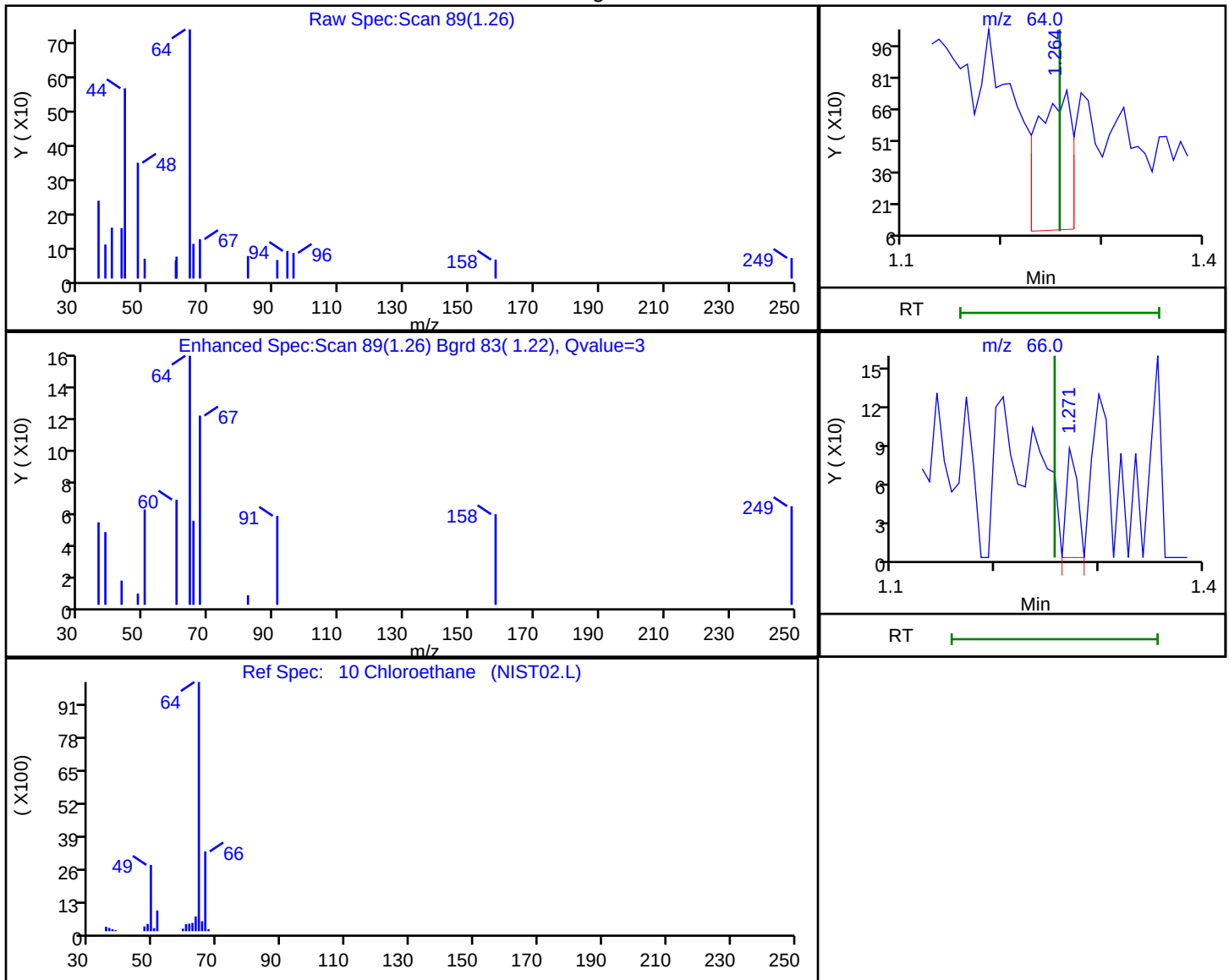
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.26	64.00	1627	0.615996
1.27	66.00	63	

Reviewer: asfawa, 18-Nov-2019 09:21:07

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Edison</u>	Job No.: <u>460-196269-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-5</u>	Lab Sample ID: <u>460-196269-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>O44117.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>11/05/2019 10:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>11/17/2019 07:52</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>656031</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.43
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.43
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	7.0		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U *	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: MW-5 Lab Sample ID: 460-196269-2
 Matrix: Water Lab File ID: O44117.D
 Analysis Method: 8260C Date Collected: 11/05/2019 10:15
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 07:52
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656031 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
108-87-2	Methylcyclohexane	1.0	U	1.0	0.26
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	51		1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.31	J	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.49
79-01-6	Trichloroethene	15		1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		74-132
460-00-4	4-Bromofluorobenzene	88		77-124
1868-53-7	Dibromofluoromethane (Surr)	103		72-131
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44117.D
 Lims ID: 460-196269-A-2
 Client ID: MW-5
 Sample Type: Client
 Inject. Date: 17-Nov-2019 07:52:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-196269-A-2
 Misc. Info.: 460-0101333-010
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 19-Nov-2019 19:11:39 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0307

First Level Reviewer: asfawa

Date: 18-Nov-2019 09:23:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.008	2.015	-0.007	100	207260	1000.0	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	84	1087	0.3092	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	100	265289	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	98	27948	6.95	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	151787	51.7	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.574	0.007	0	155273	49.8	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	802075	50.0	
68 Trichloroethene	95	4.267	4.267	0.000	99	58420	15.0	
* 72 1,4-Dioxane-d8	96	4.611	4.610	0.001	0	40809	1000.0	
\$ 83 Toluene-d8 (Surr)	98	5.647	5.647	0.000	100	640223	52.3	
88 Tetrachloroethene	166	6.427	6.427	0.000	97	210038	51.2	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	85	627120	50.0	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	87	180284	44.2	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	96	345464	50.0	

Reagents:

8260ISNEW_00127 Amount Added: 1.00 Units: uL Run Reagent
 8260SURR250_00203 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44117.D

Injection Date: 17-Nov-2019 07:52:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: 460-196269-A-2

Lab Sample ID: 460-196269-2

Worklist Smp#: 10

Client ID: MW-5

Purge Vol: 5.000 mL

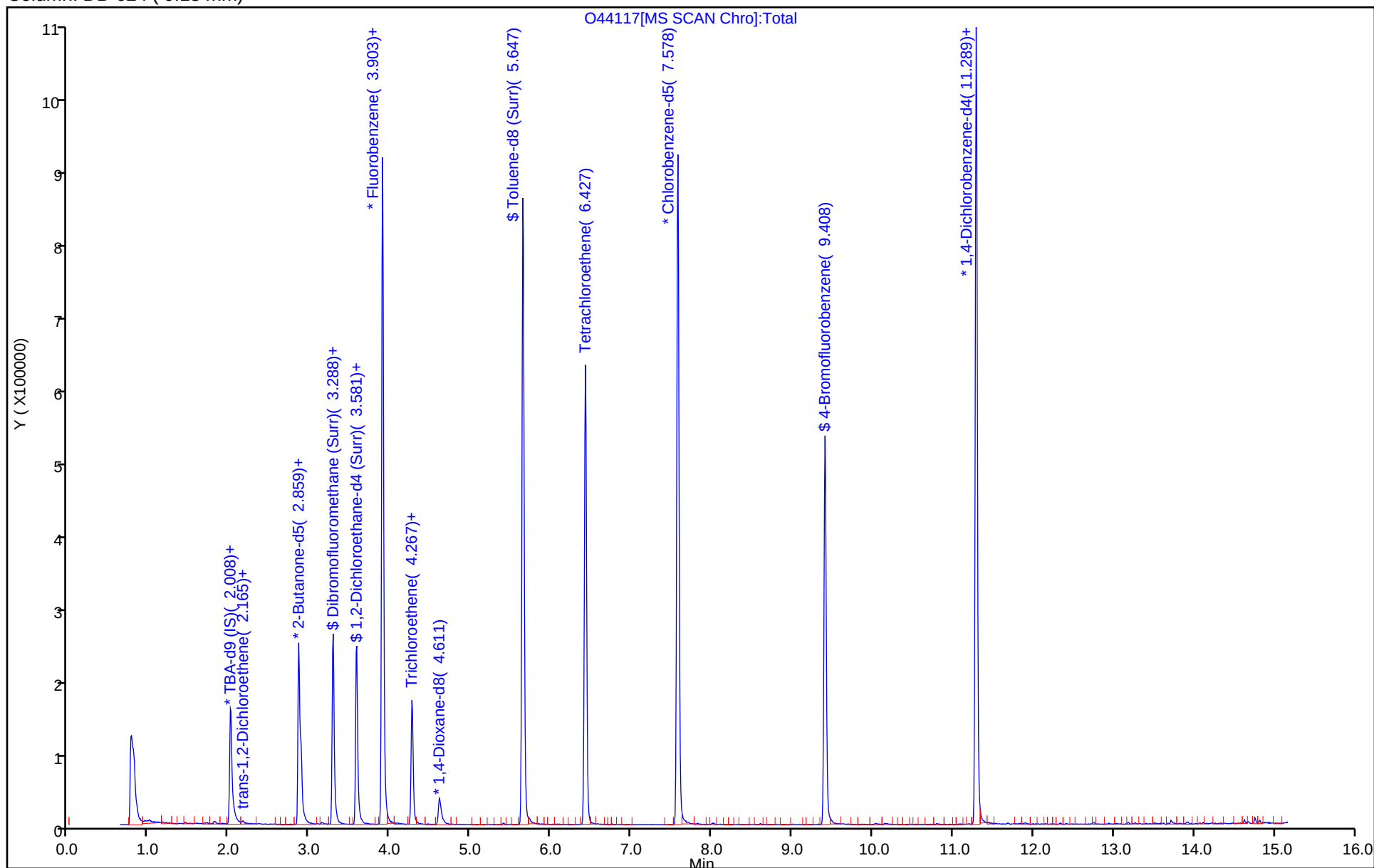
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44117.D

Injection Date: 17-Nov-2019 07:52:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-A-2

Lab Sample ID: 460-196269-2

Client ID: MW-5

Operator ID:

ALS Bottle#: 9 Worklist Smp#: 10

Purge Vol: 5.000 mL

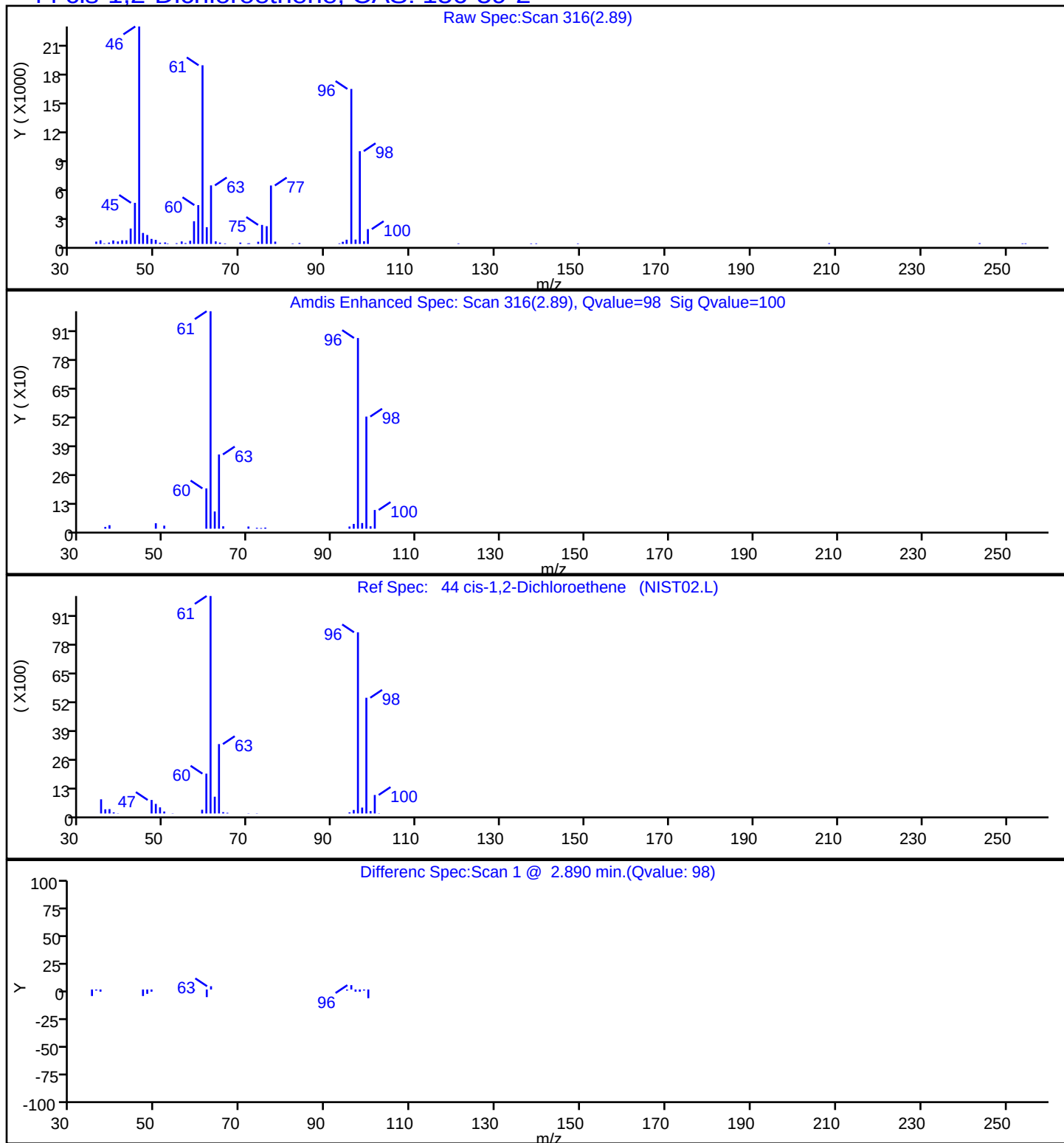
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44117.D

Injection Date: 17-Nov-2019 07:52:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-A-2

Lab Sample ID: 460-196269-2

Client ID: MW-5

Operator ID:

ALS Bottle#:

Worklist Smp#: 10

Purge Vol: 5.000 mL

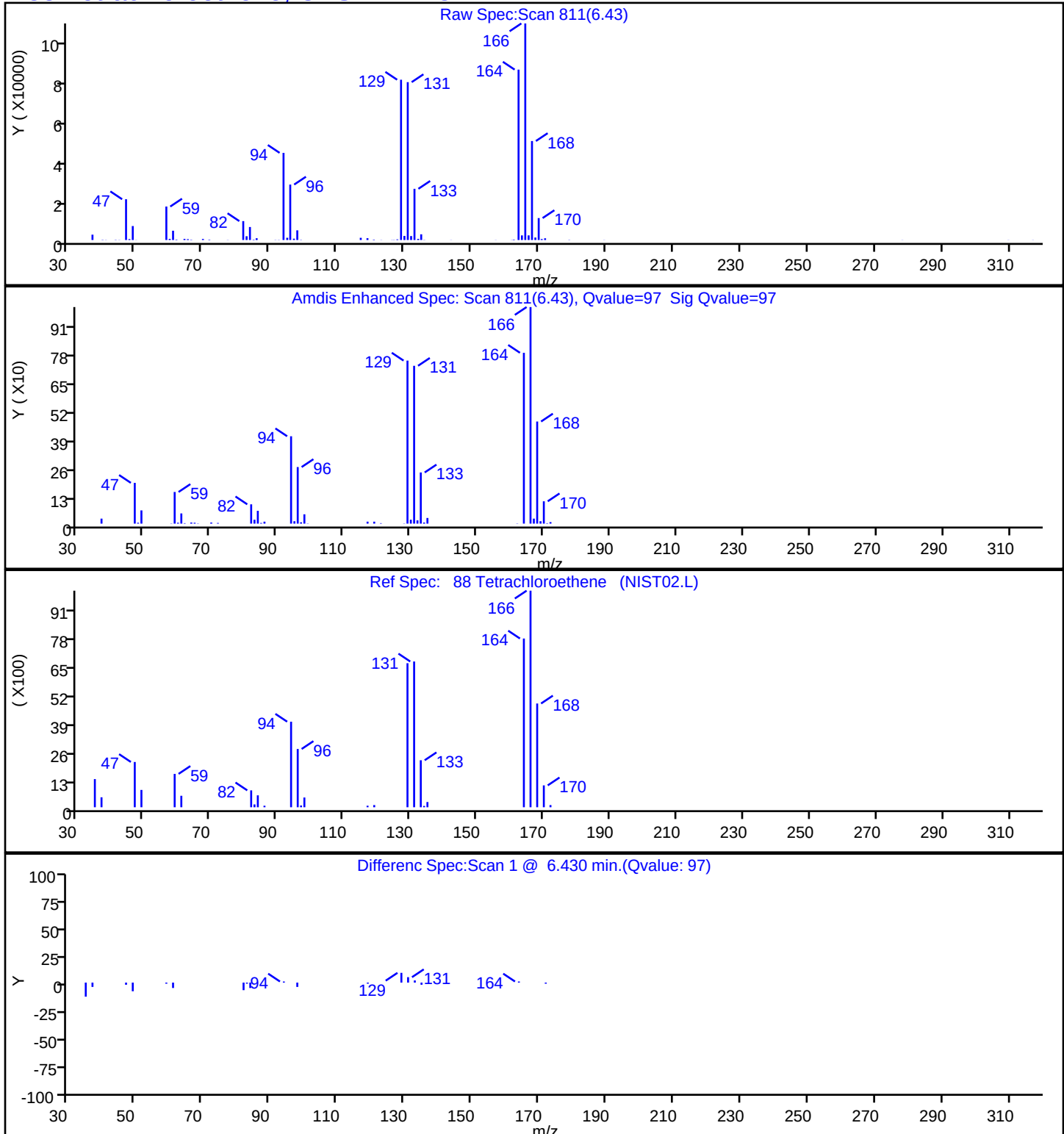
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

88 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44117.D

Injection Date: 17-Nov-2019 07:52:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-A-2

Lab Sample ID: 460-196269-2

Client ID: MW-5

Operator ID:

ALS Bottle#:

9

Worklist Smp#:

10

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

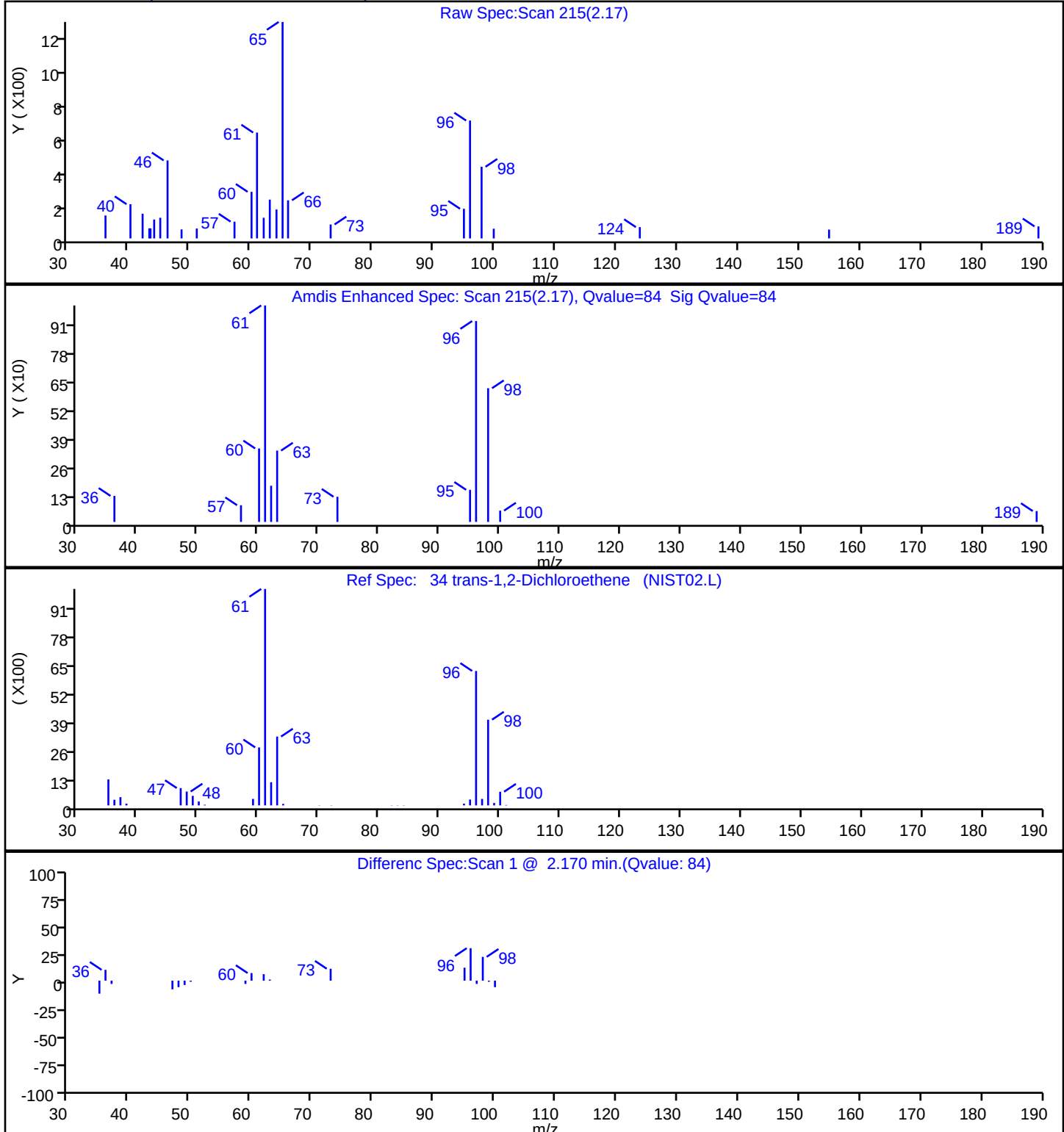
Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

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

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44117.D

Injection Date: 17-Nov-2019 07:52:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-A-2

Lab Sample ID: 460-196269-2

Client ID: MW-5

Operator ID:

ALS Bottle#: 9 Worklist Smp#: 10

Purge Vol: 5.000 mL

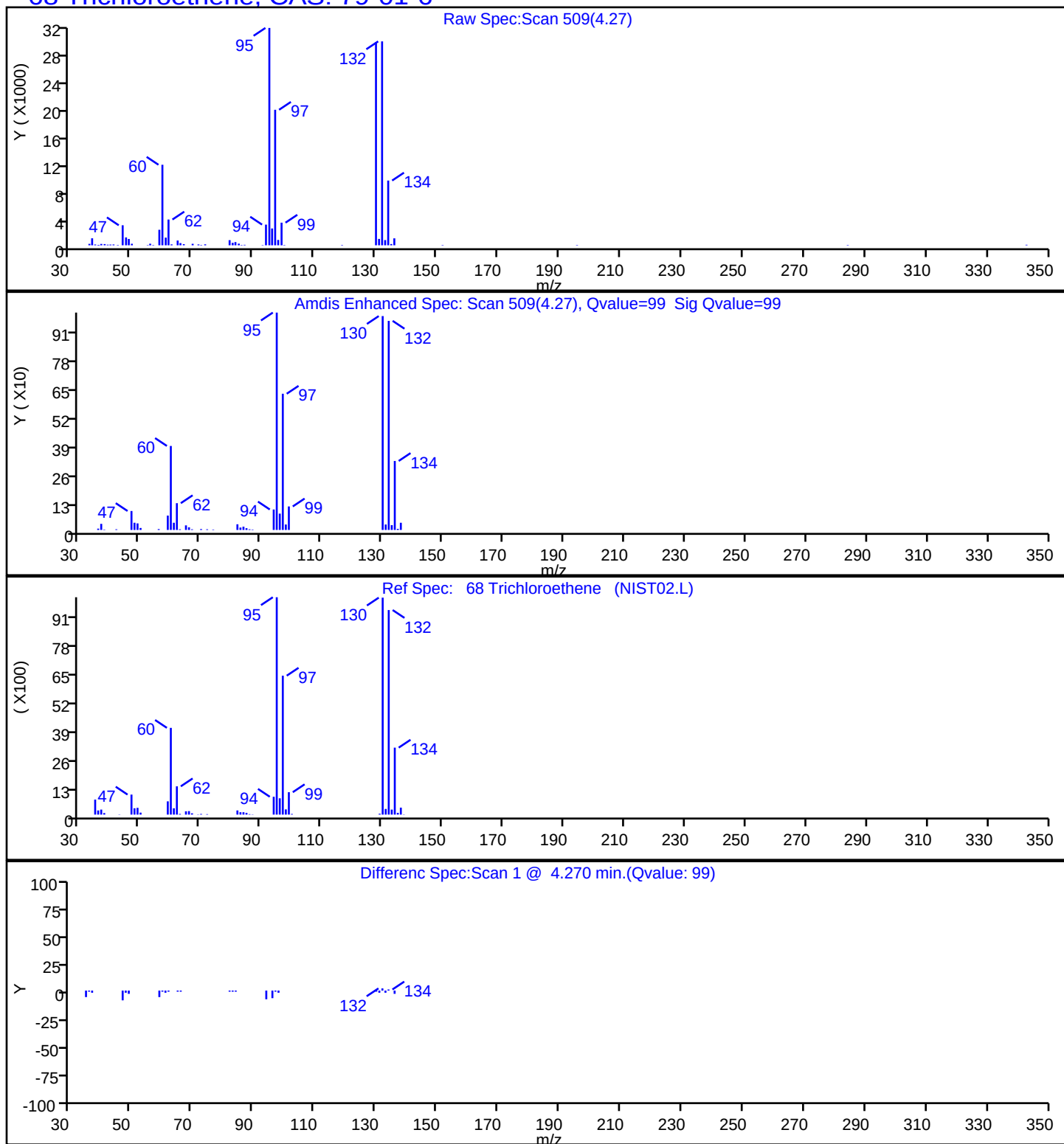
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

68 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44117.D

Injection Date: 17-Nov-2019 07:52:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-A-2

Lab Sample ID: 460-196269-2

Client ID: MW-5

Operator ID:

ALS Bottle#:

9

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

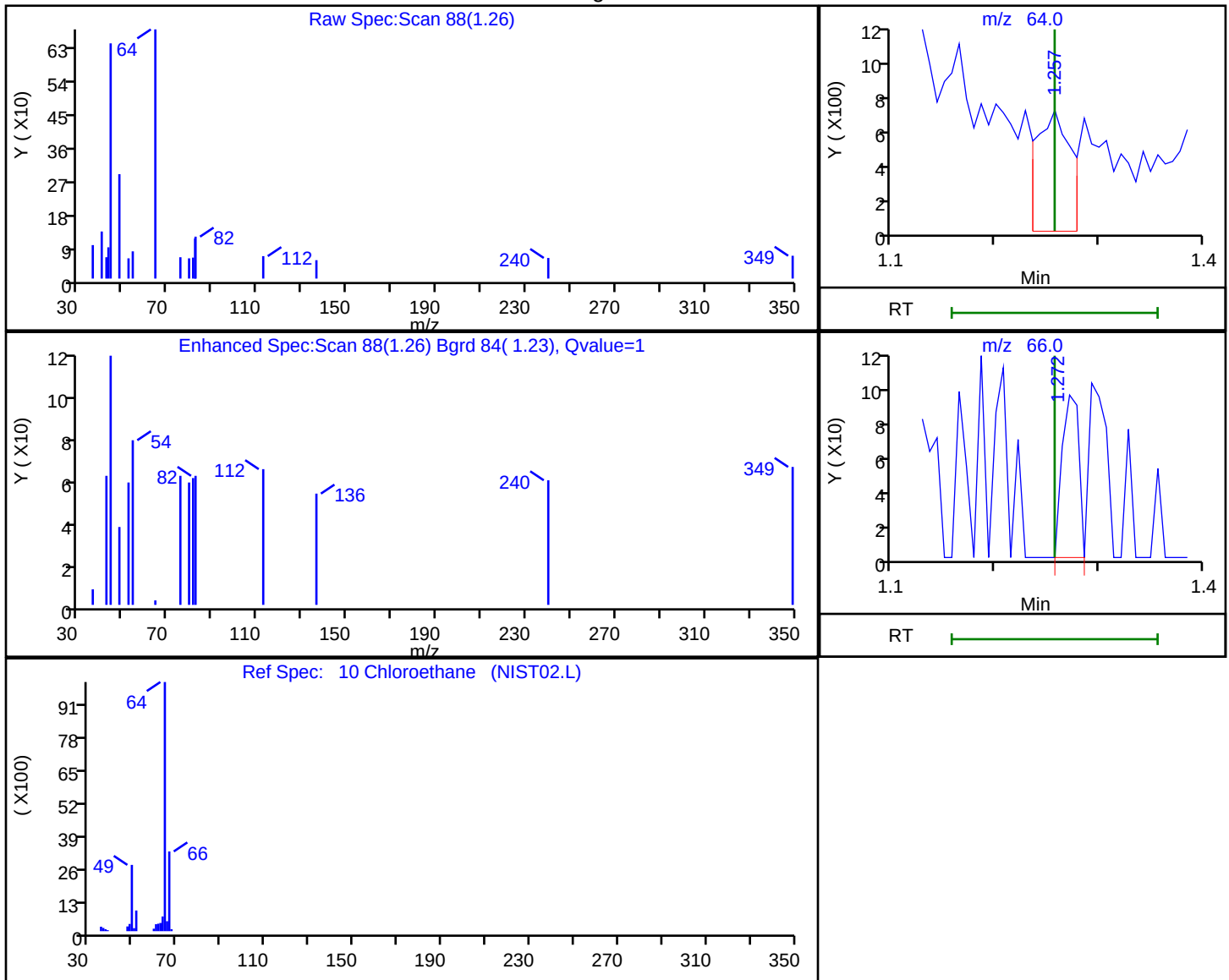
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.26	64.00	1604	0.613461
1.27	66.00	107	

Reviewer: asfawa, 18-Nov-2019 09:22:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Edison</u>	Job No.: <u>460-196269-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-10</u>	Lab Sample ID: <u>460-196269-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>O44147 .D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>11/05/2019 10:50</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>11/17/2019 21:56</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>656120</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.43
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.43
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	0.64	J	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: MW-10 Lab Sample ID: 460-196269-3
 Matrix: Water Lab File ID: O44147 .D
 Analysis Method: 8260C Date Collected: 11/05/2019 10:50
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 21:56
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656120 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
108-87-2	Methylcyclohexane	1.0	U	1.0	0.26
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	0.40	J	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.49
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		74-132
460-00-4	4-Bromofluorobenzene	90		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44147.D
 Lims ID: 460-196269-B-3
 Client ID: MW-10
 Sample Type: Client
 Inject. Date: 17-Nov-2019 21:56:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-196269-b-3
 Misc. Info.: 460-0101360-010
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 19-Nov-2019 06:01:56 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0322

First Level Reviewer: asfawa

Date: 19-Nov-2019 06:01:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
24 Isopropyl alcohol	45	1.822	1.815	0.007	96	4773	29.1	
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	100	204582	1000.0	
* 42 2-Butanone-d5	46	2.866	2.866	0.000	100	262325	250.0	
52 Chloroform	83	3.159	3.159	0.000	97	4080	0.6405	
\$ 53 Dibromofluoromethane (Surr	113	3.295	3.288	0.007	97	153558	51.2	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.588	3.581	0.007	0	152432	47.8	
* 65 Fluorobenzene	96	3.910	3.910	0.000	99	819389	50.0	
* 72 1,4-Dioxane-d8	96	4.618	4.625	-0.007	0	41881	1000.0	
\$ 83 Toluene-d8 (Surr)	98	5.661	5.655	0.006	100	640552	51.3	
88 Tetrachloroethene	166	6.448	6.434	0.014	88	1669	0.3991	
* 94 Chlorobenzene-d5	117	7.585	7.585	0.000	86	639185	50.0	
\$ 105 4-Bromofluorobenzene	174	9.422	9.416	0.006	90	186271	44.8	
* 120 1,4-Dichlorobenzene-d4	152	11.303	11.296	0.007	96	354982	50.0	

Reagents:

8260ISNEW_00127 Amount Added: 1.00 Units: uL Run Reagent
 8260SURR250_00203 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44147.D

Injection Date: 17-Nov-2019 21:56:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: 460-196269-B-3

Lab Sample ID: 460-196269-3

Worklist Smp#: 10

Client ID: MW-10

Purge Vol: 5.000 mL

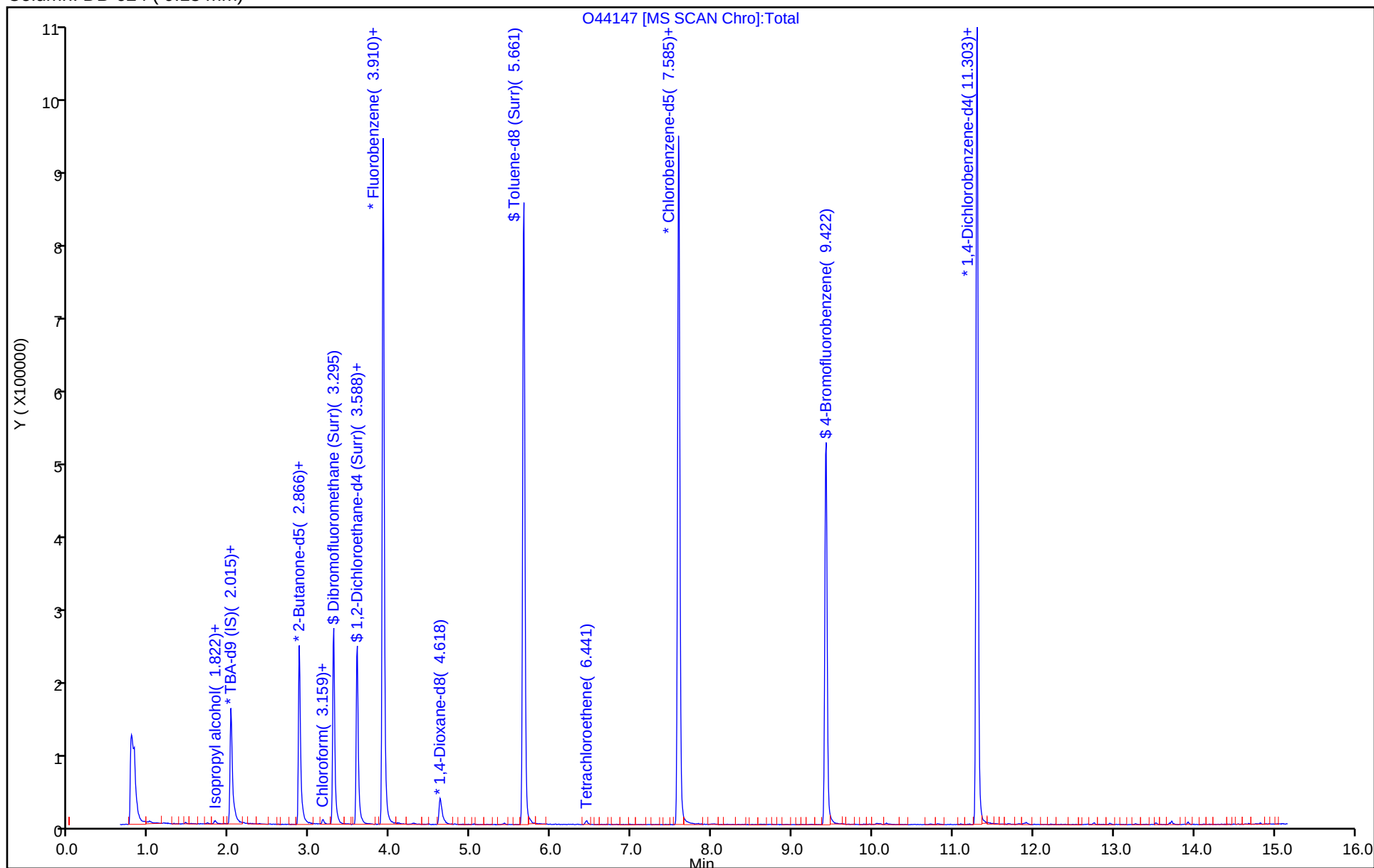
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44147.D

Injection Date: 17-Nov-2019 21:56:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-3

Lab Sample ID: 460-196269-3

Client ID: MW-10

Operator ID:

ALS Bottle#: 9 Worklist Smp#: 10

Purge Vol: 5.000 mL

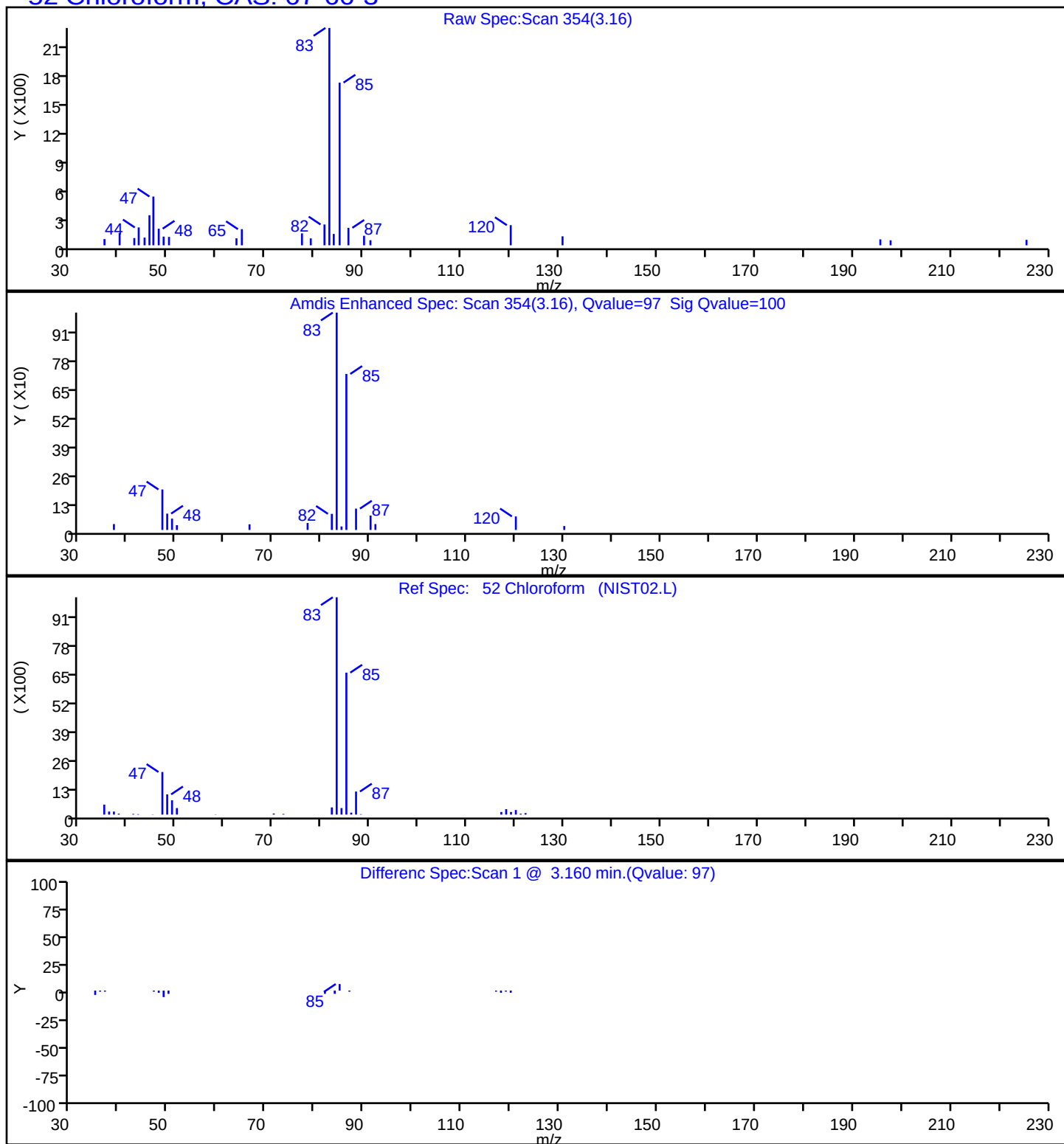
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

52 Chloroform, CAS: 67-66-3

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44147.D

Injection Date: 17-Nov-2019 21:56:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-3

Lab Sample ID: 460-196269-3

Client ID: MW-10

Operator ID:

ALS Bottle#:

Worklist Smp#: 10

Purge Vol: 5.000 mL

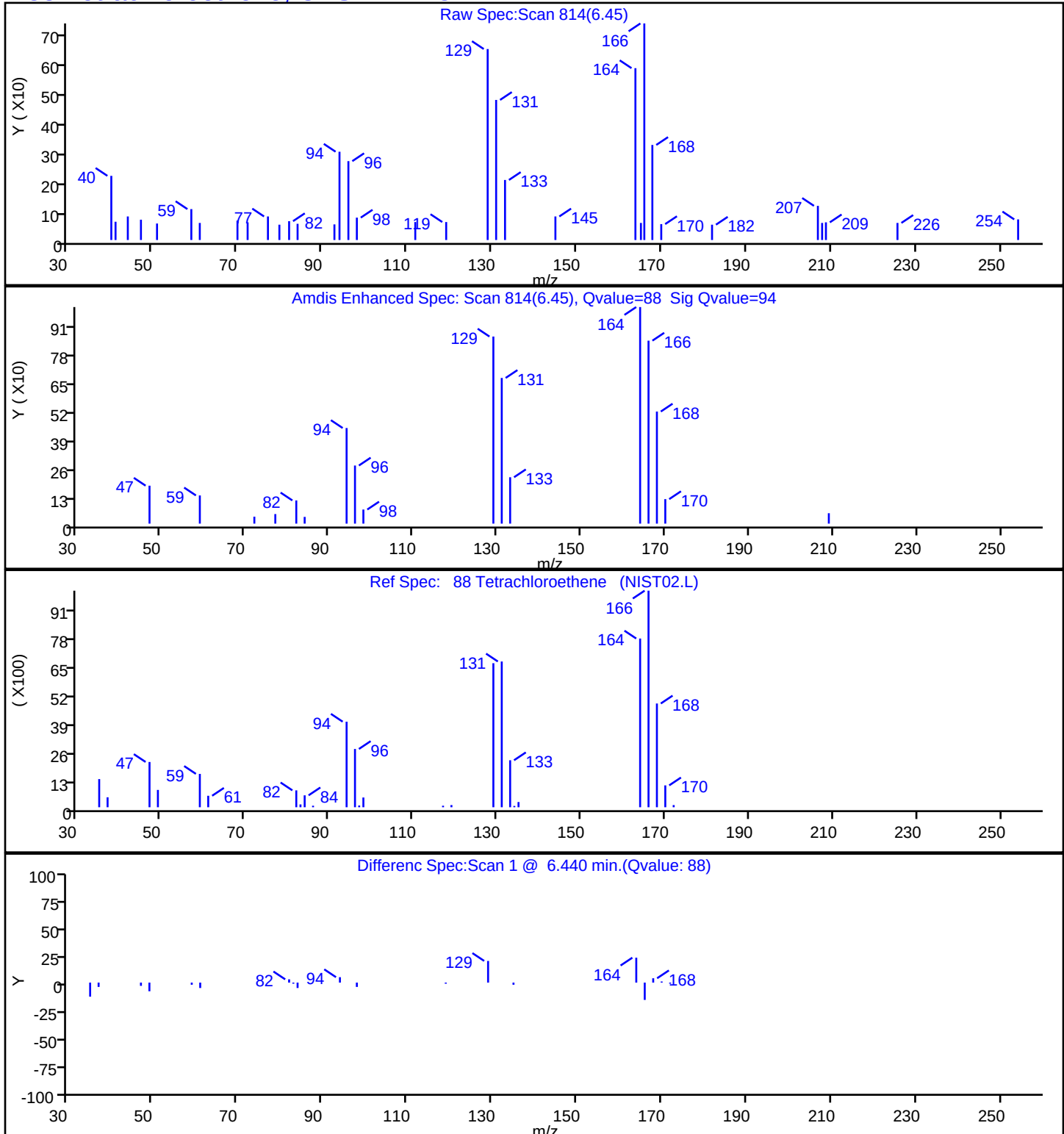
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

88 Tetrachloroethene, CAS: 127-18-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: MW-11 Lab Sample ID: 460-196269-4
 Matrix: Water Lab File ID: O44119.D
 Analysis Method: 8260C Date Collected: 11/05/2019 11:15
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 08:43
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656031 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.43
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.43
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U *	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Edison</u>	Job No.: <u>460-196269-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-11</u>	Lab Sample ID: <u>460-196269-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>O44119.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>11/05/2019 11:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>11/17/2019 08:43</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>656031</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
108-87-2	Methylcyclohexane	1.0	U	1.0	0.26
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.49
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		74-132
460-00-4	4-Bromofluorobenzene	84		77-124
1868-53-7	Dibromofluoromethane (Surr)	105		72-131
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44119.D
 Lims ID: 460-196269-A-4
 Client ID: MW-11
 Sample Type: Client
 Inject. Date: 17-Nov-2019 08:43:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-196269-A-4
 Misc. Info.: 460-0101333-012
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 18-Nov-2019 09:24:37 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0316

First Level Reviewer: yallabg

Date: 17-Nov-2019 20:08:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	99	216459	1000.0	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	100	277905	250.0	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	156724	52.7	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.574	0.007	0	157714	49.9	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	813050	50.0	
* 72 1,4-Dioxane-d8	96	4.611	4.610	0.001	0	45177	1000.0	
\$ 83 Toluene-d8 (Surr)	98	5.647	5.647	0.000	100	639482	51.4	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	86	636634	50.0	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	87	173409	41.8	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	96	351717	50.0	

Reagents:

8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44119.D

Injection Date: 17-Nov-2019 08:43:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: 460-196269-A-4

Lab Sample ID: 460-196269-4

Worklist Smp#: 12

Client ID: MW-11

Purge Vol: 5.000 mL

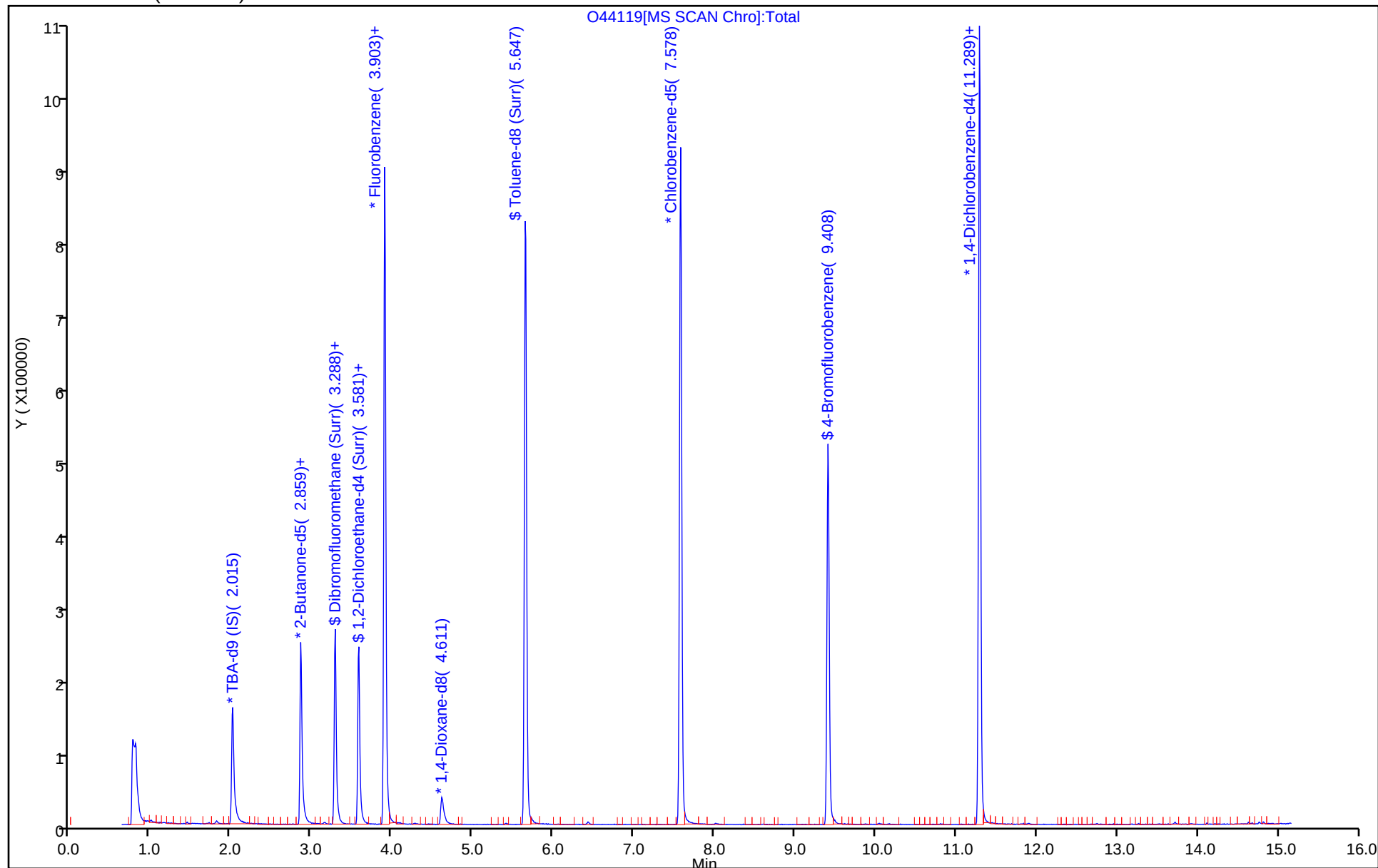
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44119.D

Injection Date: 17-Nov-2019 08:43:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-A-4

Lab Sample ID: 460-196269-4

Client ID: MW-11

Operator ID:

ALS Bottle#:

11

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

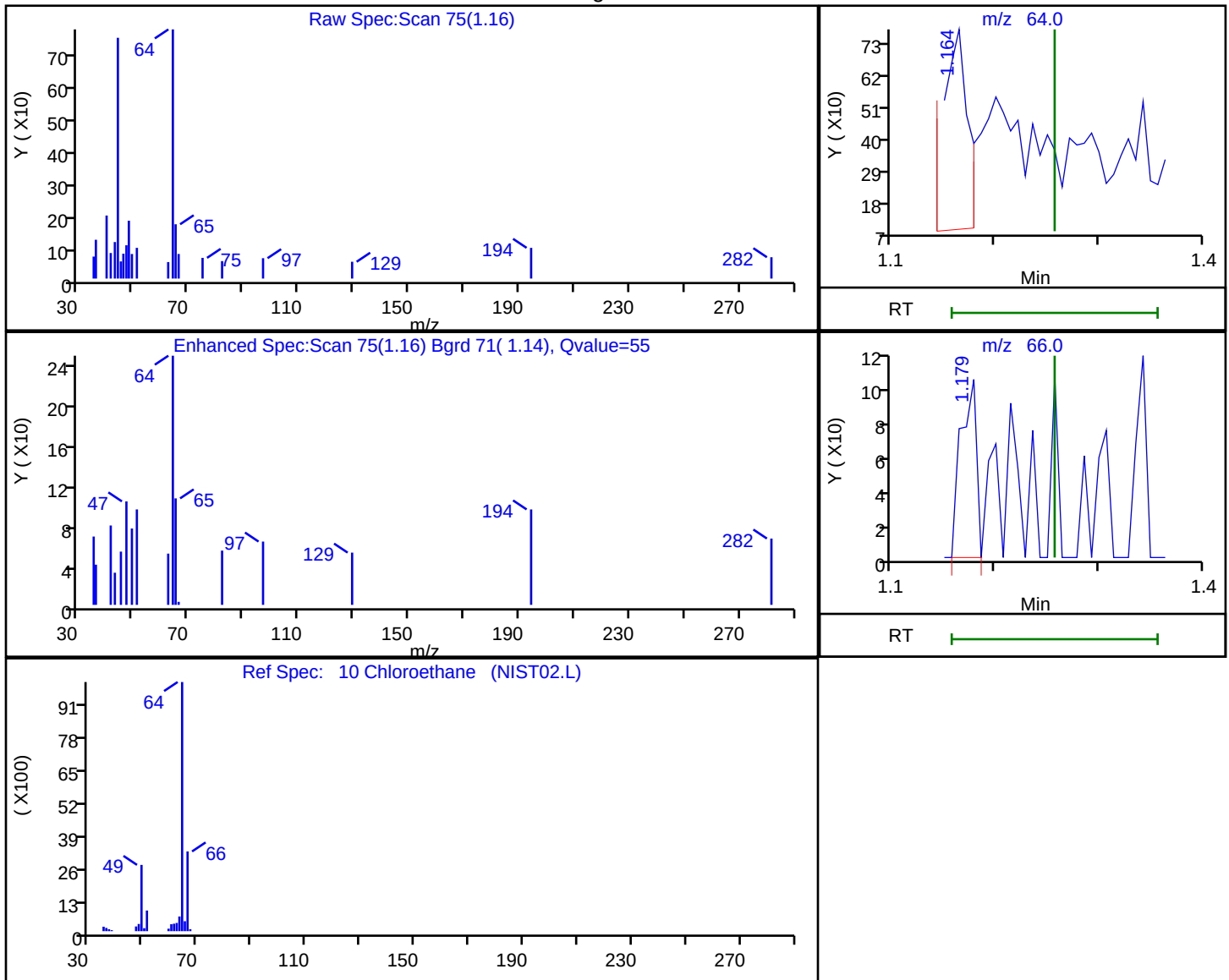
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.16	64.00	1170	0.441434
1.18	66.00	111	

Reviewer: asfawa, 18-Nov-2019 09:24:18

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Edison</u>	Job No.: <u>460-196269-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-6</u>	Lab Sample ID: <u>460-196269-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>O44148.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>11/05/2019 13:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>11/17/2019 22:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>656120</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.43
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.43
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.6		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Edison</u>	Job No.: <u>460-196269-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-6</u>	Lab Sample ID: <u>460-196269-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>O44148.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>11/05/2019 13:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>11/17/2019 22:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>656120</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
108-87-2	Methylcyclohexane	1.0	U	1.0	0.26
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	440		1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.49
79-01-6	Trichloroethene	14		1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		74-132
460-00-4	4-Bromofluorobenzene	84		77-124
1868-53-7	Dibromofluoromethane (Surr)	99		72-131
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44148.D
 Lims ID: 460-196269-B-5
 Client ID: MW-6
 Sample Type: Client
 Inject. Date: 17-Nov-2019 22:21:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-196269-B-5
 Misc. Info.: 460-0101360-011
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 19-Nov-2019 06:01:56 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0322

First Level Reviewer: asfawa

Date: 19-Nov-2019 06:02:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	100	209703	1000.0	
* 42 2-Butanone-d5	46	2.866	2.866	0.000	100	278226	250.0	
44 cis-1,2-Dichloroethene	96	2.894	2.895	-0.001	98	6891	1.65	
\$ 53 Dibromofluoromethane (Surr	113	3.295	3.288	0.007	97	151728	49.7	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.588	3.581	0.007	0	155325	47.8	
* 65 Fluorobenzene	96	3.910	3.910	0.000	99	834639	50.0	
68 Trichloroethene	95	4.274	4.275	-0.001	97	56789	14.0	
* 72 1,4-Dioxane-d8	96	4.618	4.625	-0.007	0	44099	1000.0	
\$ 83 Toluene-d8 (Surr)	98	5.662	5.655	0.007	100	646798	51.0	
88 Tetrachloroethene	166	6.441	6.434	0.007	96	1854714	436.9	
* 94 Chlorobenzene-d5	117	7.585	7.585	0.000	85	648883	50.0	
\$ 105 4-Bromofluorobenzene	174	9.423	9.416	0.007	89	176363	41.8	
* 120 1,4-Dichlorobenzene-d4	152	11.303	11.296	0.007	96	354455	50.0	

Reagents:

8260ISNEW_00127 Amount Added: 1.00 Units: uL Run Reagent
 8260SURR250_00203 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44148.D

Injection Date: 17-Nov-2019 22:21:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: 460-196269-B-5

Lab Sample ID: 460-196269-5

Worklist Smp#: 11

Client ID: MW-6

Purge Vol: 5.000 mL

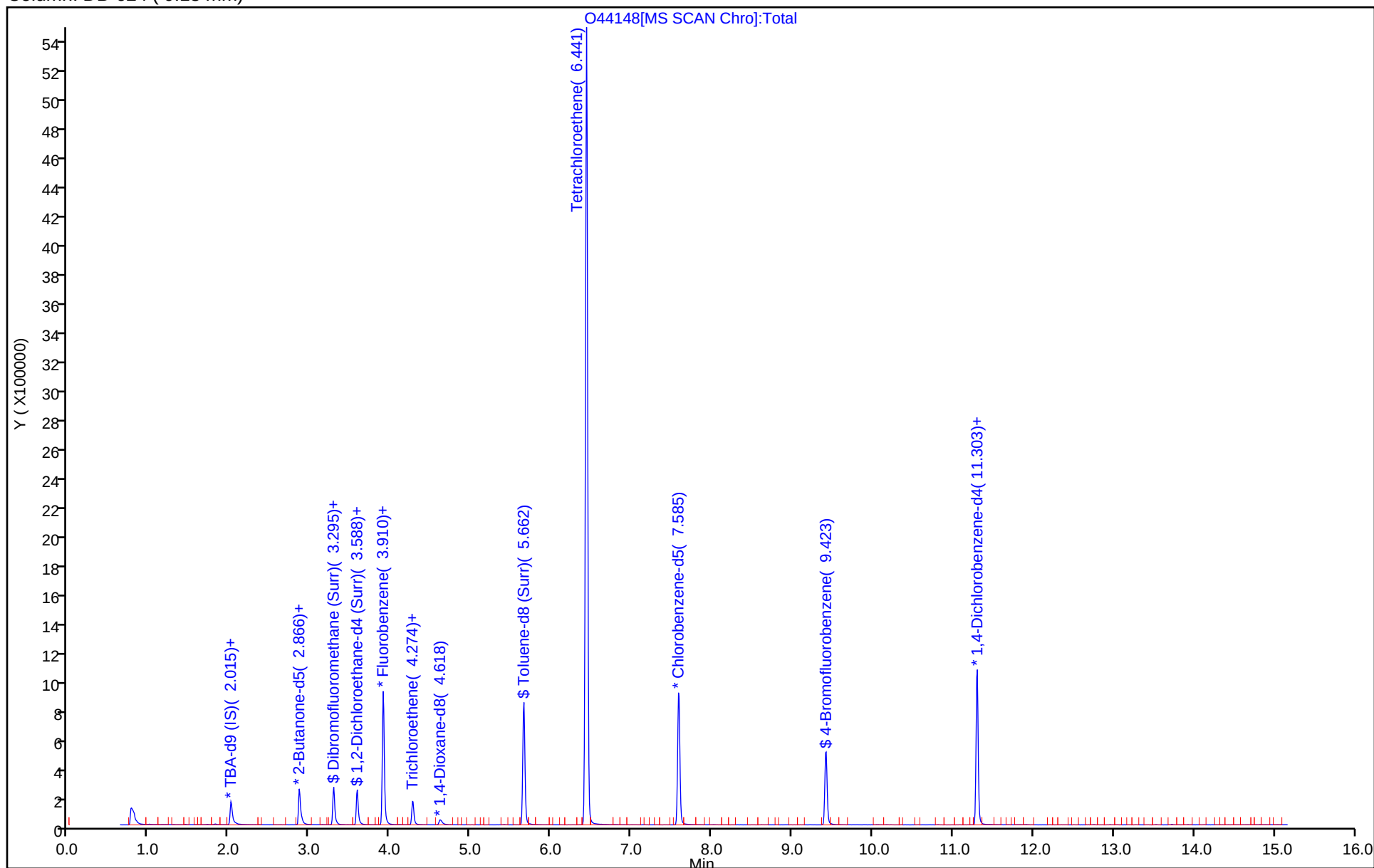
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44148.D

Injection Date: 17-Nov-2019 22:21:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-5

Lab Sample ID: 460-196269-5

Client ID: MW-6

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 11

Purge Vol: 5.000 mL

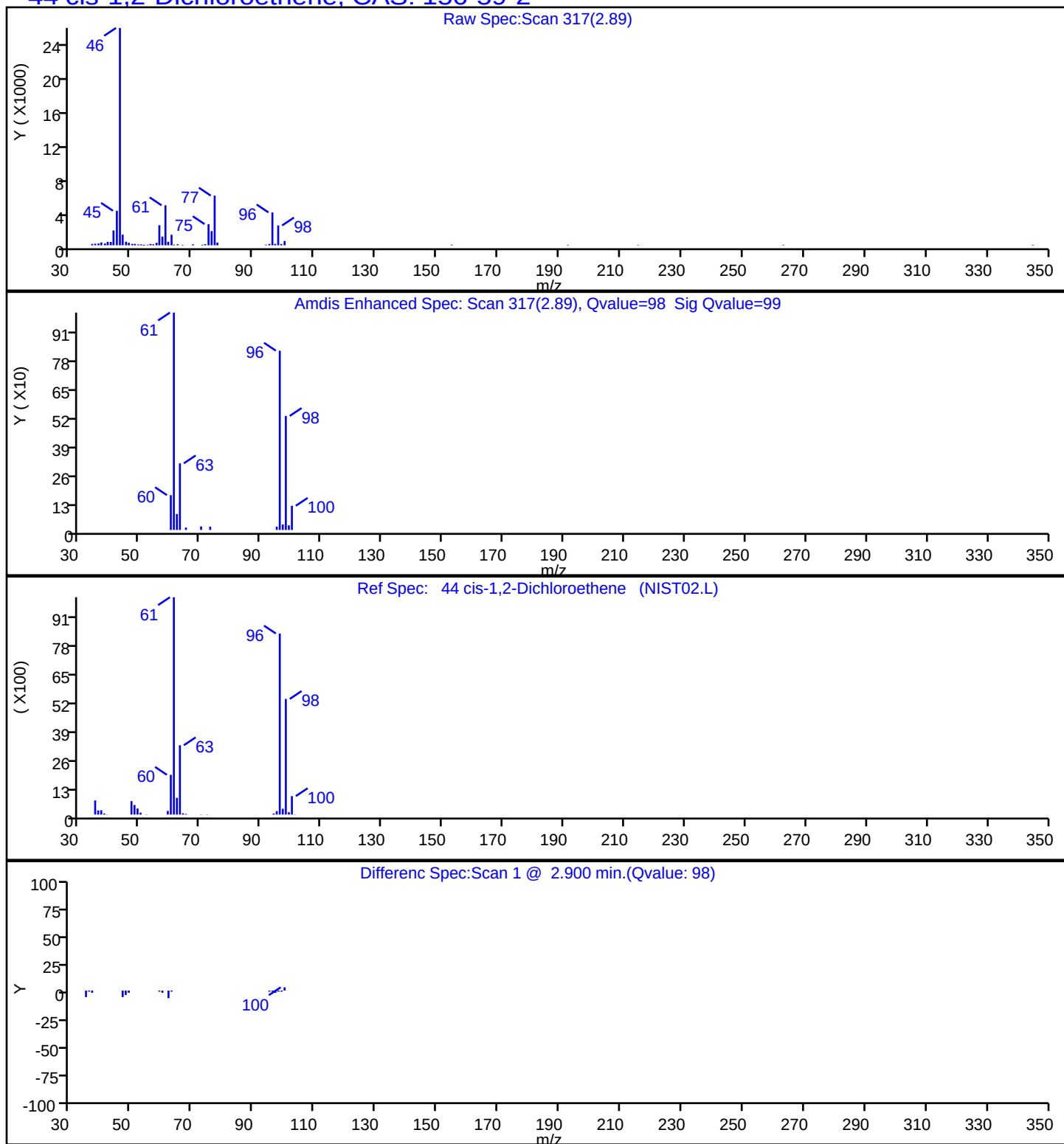
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

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

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44148.D

Injection Date: 17-Nov-2019 22:21:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-5

Lab Sample ID: 460-196269-5

Client ID: MW-6

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

11

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

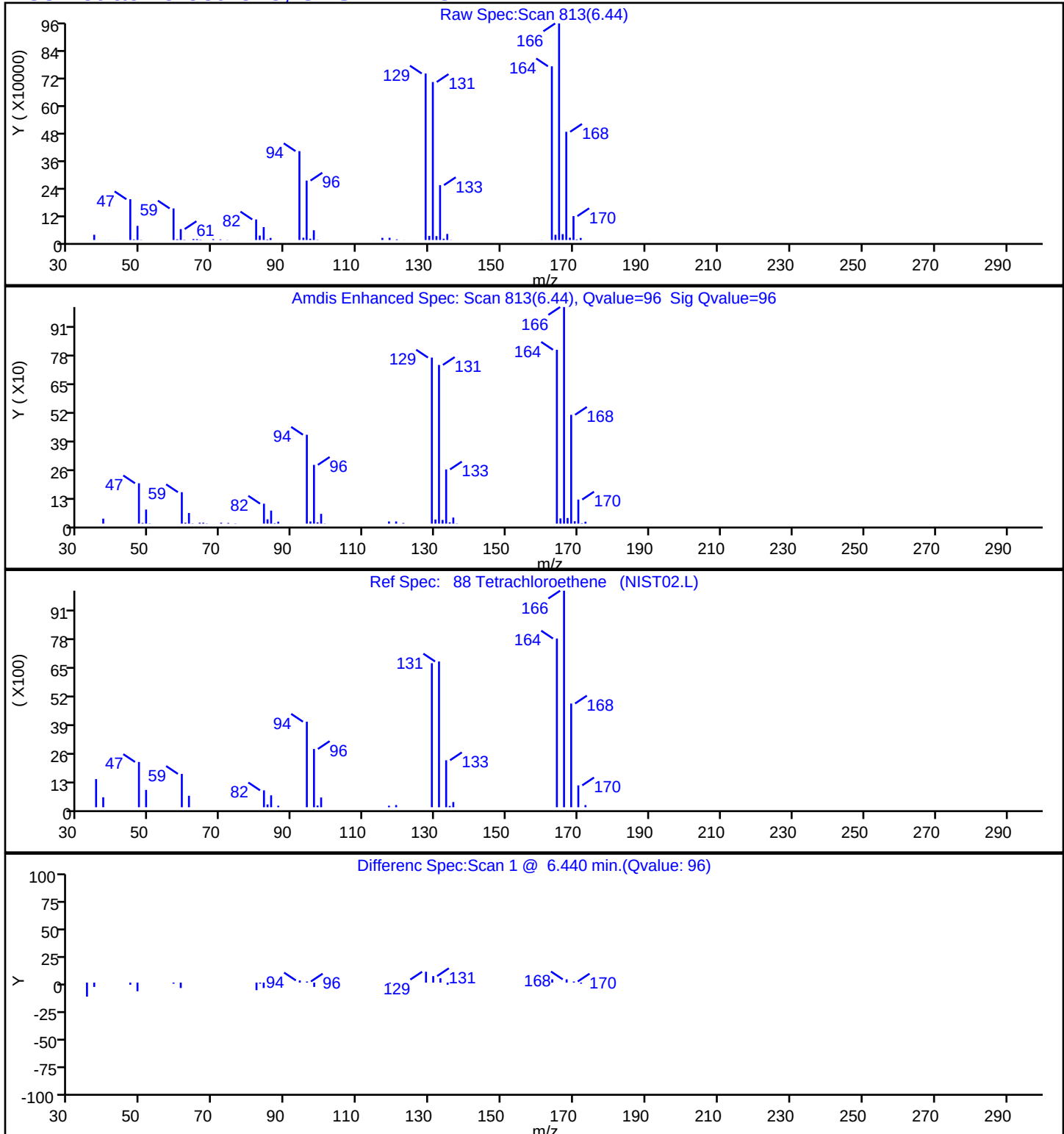
Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

88 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44148.D

Injection Date: 17-Nov-2019 22:21:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-5

Lab Sample ID: 460-196269-5

Client ID: MW-6

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 11

Purge Vol: 5.000 mL

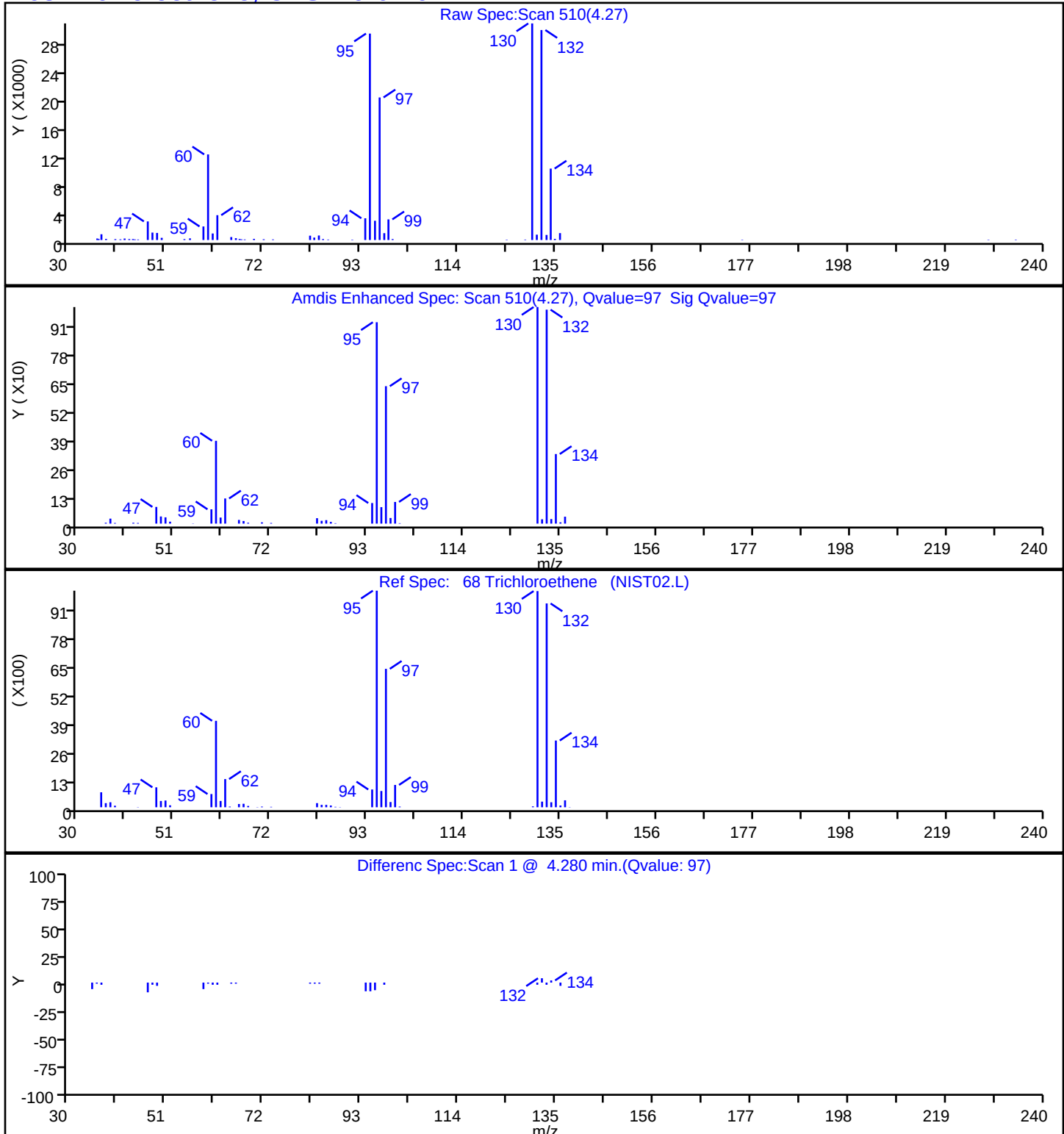
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

68 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Edison</u>	Job No.: <u>460-196269-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-104D</u>	Lab Sample ID: <u>460-196269-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>O44120.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>11/05/2019 12:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>11/17/2019 09:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>656031</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.43
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.43
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	19		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U *	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Edison</u>	Job No.: <u>460-196269-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-104D</u>	Lab Sample ID: <u>460-196269-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>O44120.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>11/05/2019 12:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>11/17/2019 09:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>656031</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
108-87-2	Methylcyclohexane	1.0	U	1.0	0.26
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	96		1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.33	J	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.49
79-01-6	Trichloroethene	24		1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		74-132
460-00-4	4-Bromofluorobenzene	87		77-124
1868-53-7	Dibromofluoromethane (Surr)	103		72-131
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44120.D
 Lims ID: 460-196269-B-6
 Client ID: MW-104D
 Sample Type: Client
 Inject. Date: 17-Nov-2019 09:09:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-196269-B-6
 Misc. Info.: 460-0101333-013
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 19-Nov-2019 19:11:39 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0307

First Level Reviewer: asfawa

Date: 18-Nov-2019 09:25:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	100	217874	1000.0	
34 trans-1,2-Dichloroethene	96	2.172	2.165	0.007	95	1183	0.3292	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	99	280869	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	99	77872	19.0	
52 Chloroform	83	3.152	3.152	0.000	91	1715	0.2690	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	154516	51.5	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.574	0.007	0	159097	49.9	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	819957	50.0	
68 Trichloroethene	95	4.267	4.267	0.000	99	96377	24.2	
* 72 1,4-Dioxane-d8	96	4.611	4.610	0.001	0	45438	1000.0	
\$ 83 Toluene-d8 (Surr)	98	5.647	5.647	0.000	100	644072	51.6	
88 Tetrachloroethene	166	6.427	6.427	0.000	97	401341	96.0	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	85	638904	50.0	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	87	181669	43.7	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	96	352909	50.0	

Reagents:

8260ISNEW_00127 Amount Added: 1.00 Units: uL Run Reagent
 8260SURR250_00203 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44120.D

Injection Date: 17-Nov-2019 09:09:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: 460-196269-B-6

Lab Sample ID: 460-196269-6

Worklist Smp#: 13

Client ID: MW-104D

Purge Vol: 5.000 mL

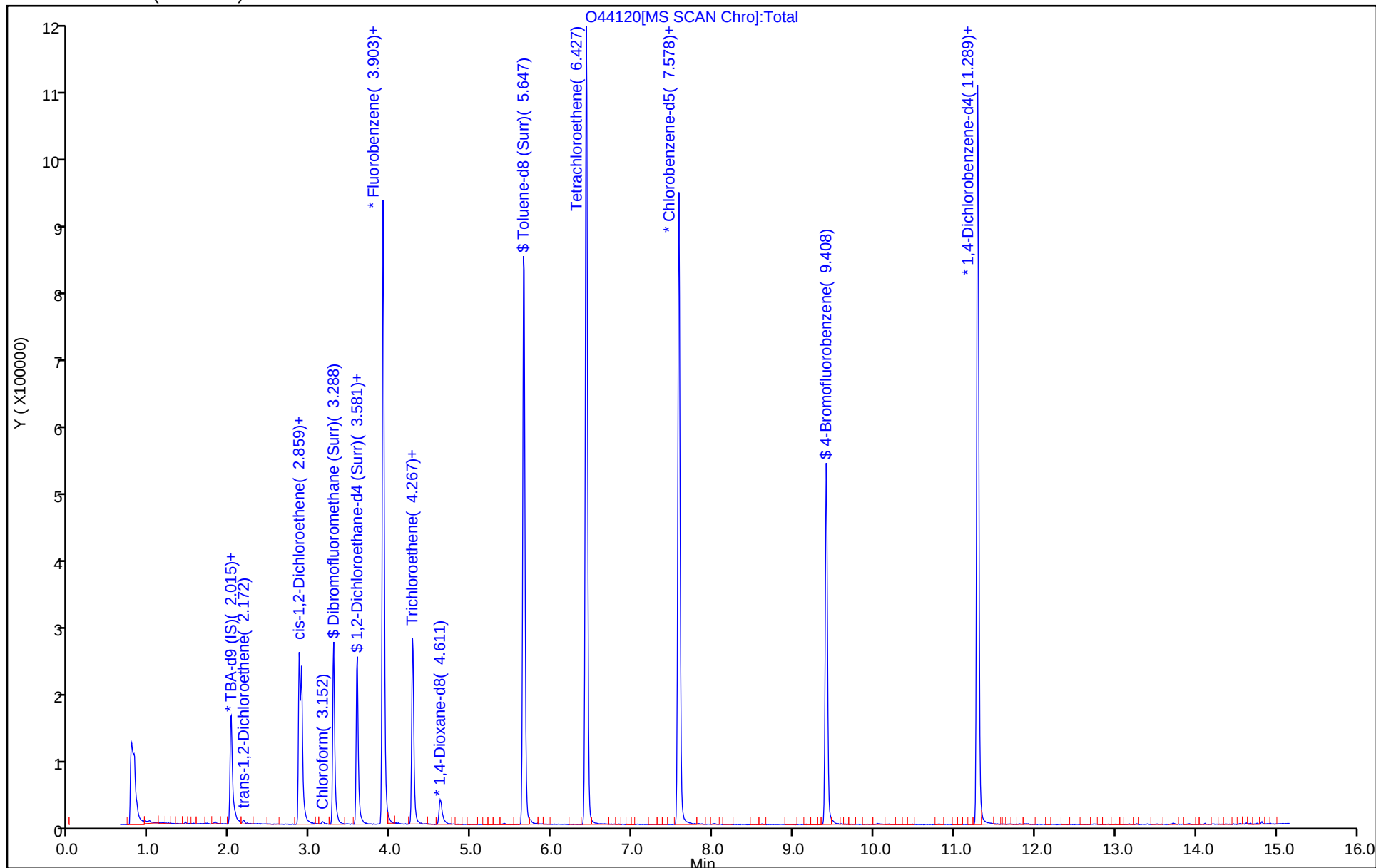
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44120.D

Injection Date: 17-Nov-2019 09:09:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-6

Lab Sample ID: 460-196269-6

Client ID: MW-104D

Operator ID:

ALS Bottle#:

12

Worklist Smp#:

13

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

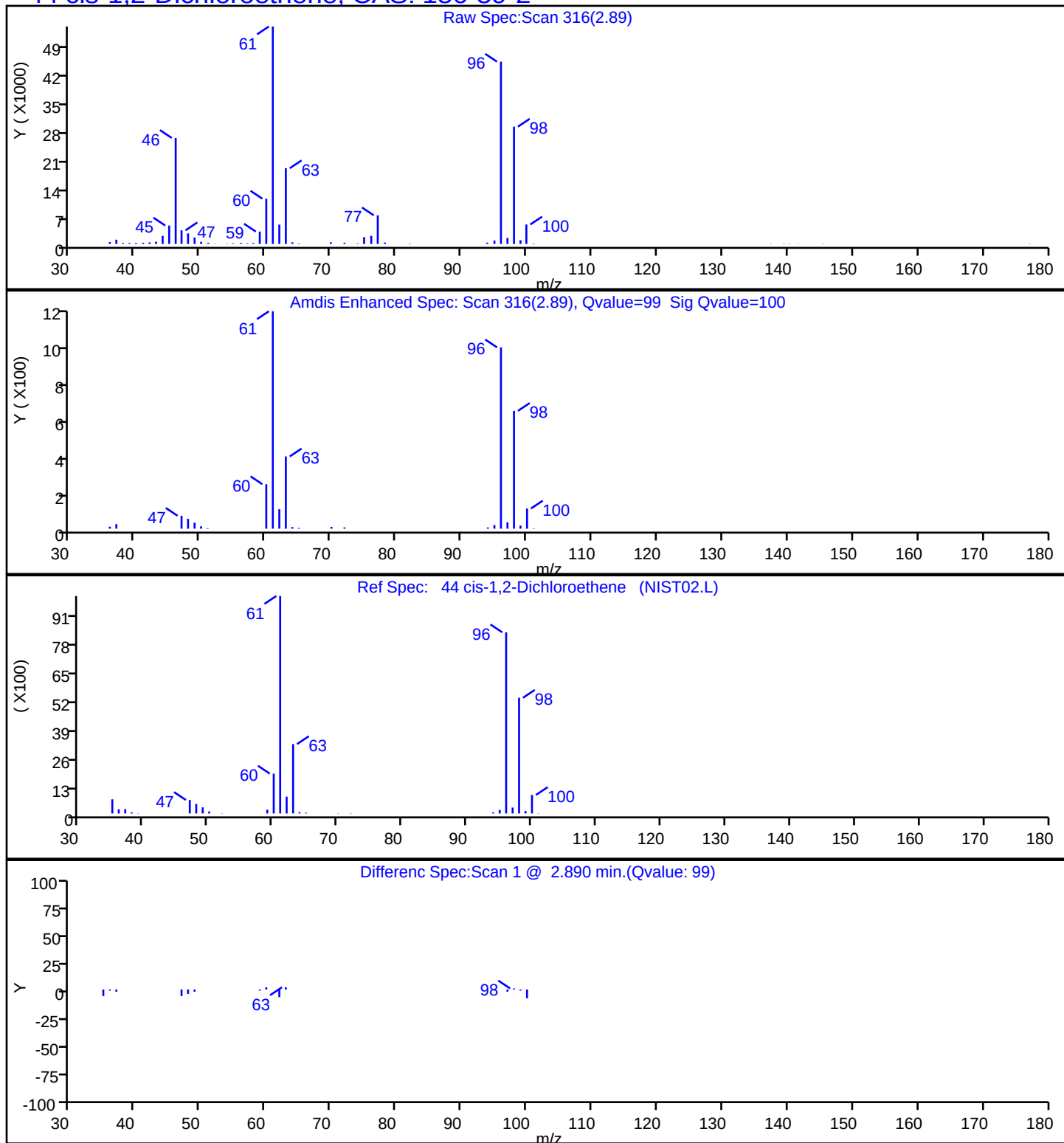
Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

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

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44120.D

Injection Date: 17-Nov-2019 09:09:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-6

Lab Sample ID: 460-196269-6

Client ID: MW-104D

Operator ID:

ALS Bottle#:

12

Worklist Smp#:

13

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

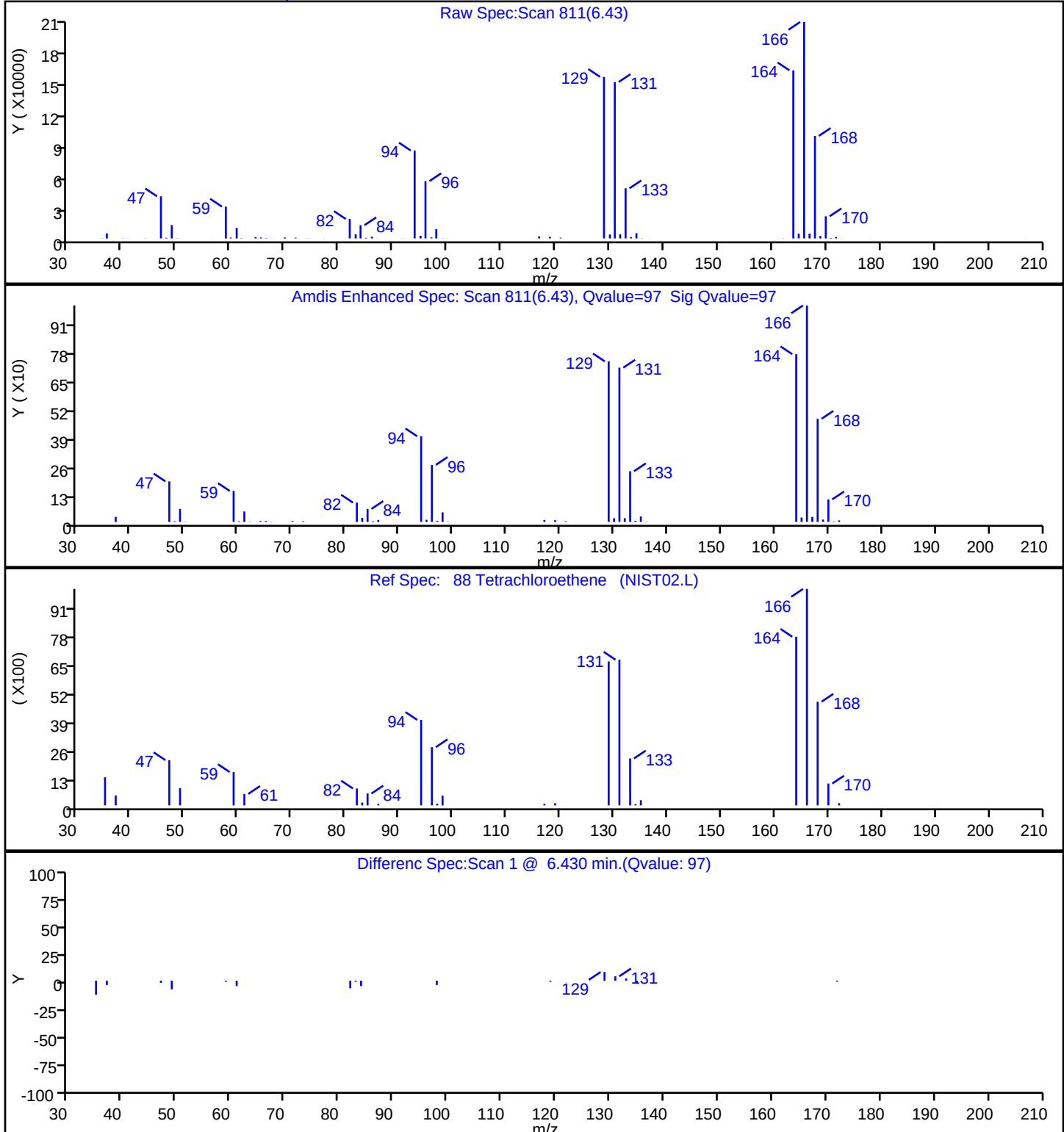
Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

88 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44120.D

Injection Date: 17-Nov-2019 09:09:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-6

Lab Sample ID: 460-196269-6

Client ID: MW-104D

Operator ID:

ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 5.000 mL

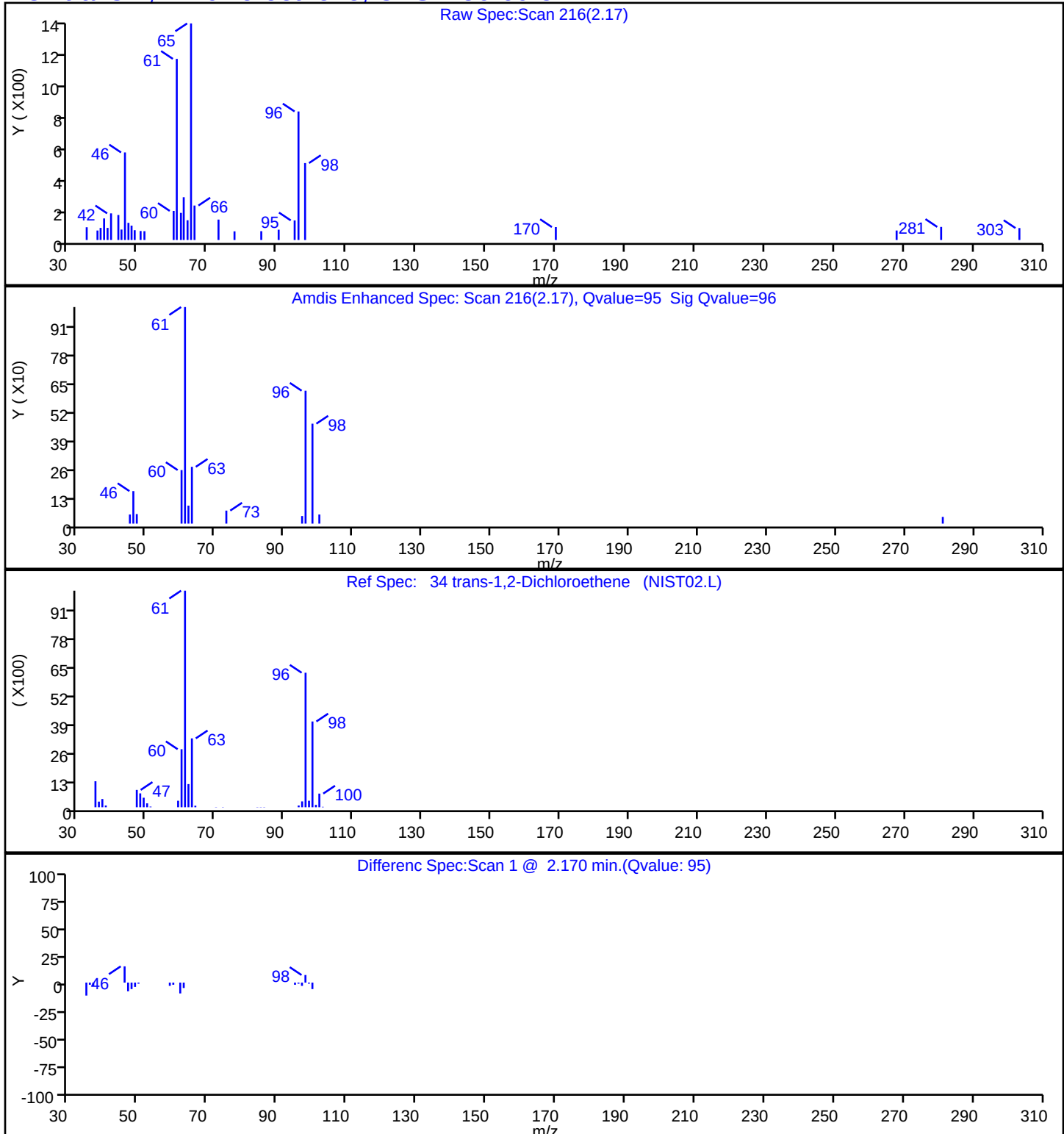
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44120.D

Injection Date: 17-Nov-2019 09:09:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-6

Lab Sample ID: 460-196269-6

Client ID: MW-104D

Operator ID:

ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 5.000 mL

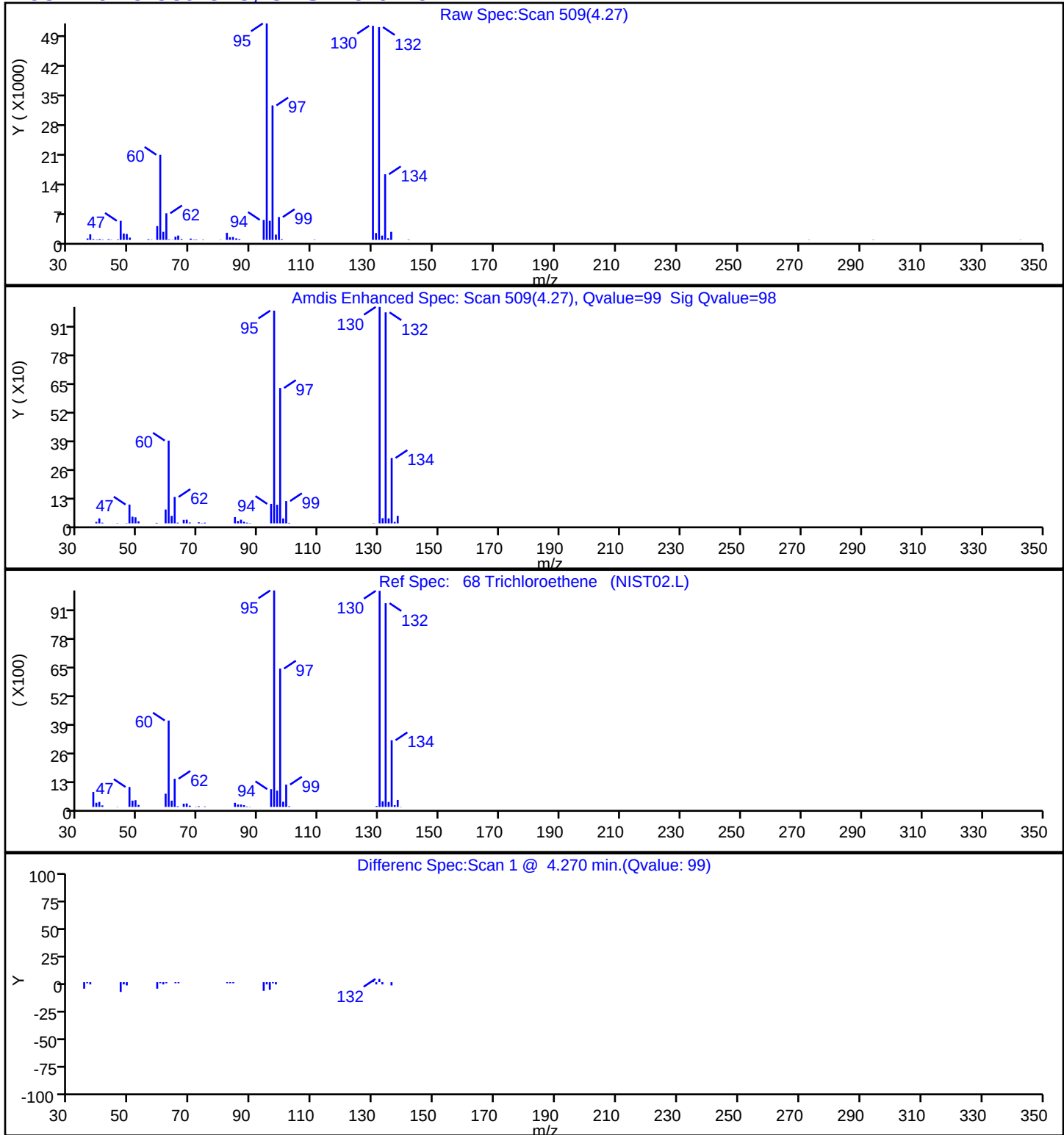
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

68 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Edison</u>	Job No.: <u>460-196269-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-X</u>	Lab Sample ID: <u>460-196269-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>O44121.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>11/05/2019 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>11/17/2019 09:34</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>656031</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.43
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.43
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	54		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U *	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Edison</u>	Job No.: <u>460-196269-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-X</u>	Lab Sample ID: <u>460-196269-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>O44121.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>11/05/2019 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>11/17/2019 09:34</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>656031</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
108-87-2	Methylcyclohexane	1.0	U	1.0	0.26
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	85		1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	5.0		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.49
79-01-6	Trichloroethene	59		1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		74-132
460-00-4	4-Bromofluorobenzene	89		77-124
1868-53-7	Dibromofluoromethane (Surr)	103		72-131
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44121.D
 Lims ID: 460-196269-C-7
 Client ID: MW-X
 Sample Type: Client
 Inject. Date: 17-Nov-2019 09:34:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-196269-C-7
 Misc. Info.: 460-0101333-014
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 18-Nov-2019 09:24:37 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0316

First Level Reviewer: yallabg

Date: 17-Nov-2019 20:13:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.008	2.015	-0.007	100	221988	1000.0	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	94	18281	5.02	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	99	293418	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	99	223244	53.6	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	96	156869	51.6	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.574	0.007	0	163674	50.7	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	830476	50.0	
68 Trichloroethene	95	4.267	4.267	0.000	98	238879	59.1	
* 72 1,4-Dioxane-d8	96	4.610	4.610	0.000	0	45882	1000.0	
\$ 83 Toluene-d8 (Surr)	98	5.654	5.647	0.007	100	651489	51.8	
88 Tetrachloroethene	166	6.427	6.427	0.000	97	356730	84.7	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	86	643853	50.0	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	89	186294	44.4	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	96	354562	50.0	

Reagents:

8260ISNEW_00127 Amount Added: 1.00 Units: uL Run Reagent
 8260SURR250_00203 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44121.D

Injection Date: 17-Nov-2019 09:34:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: 460-196269-C-7

Lab Sample ID: 460-196269-7

Worklist Smp#: 14

Client ID: MW-X

Purge Vol: 5.000 mL

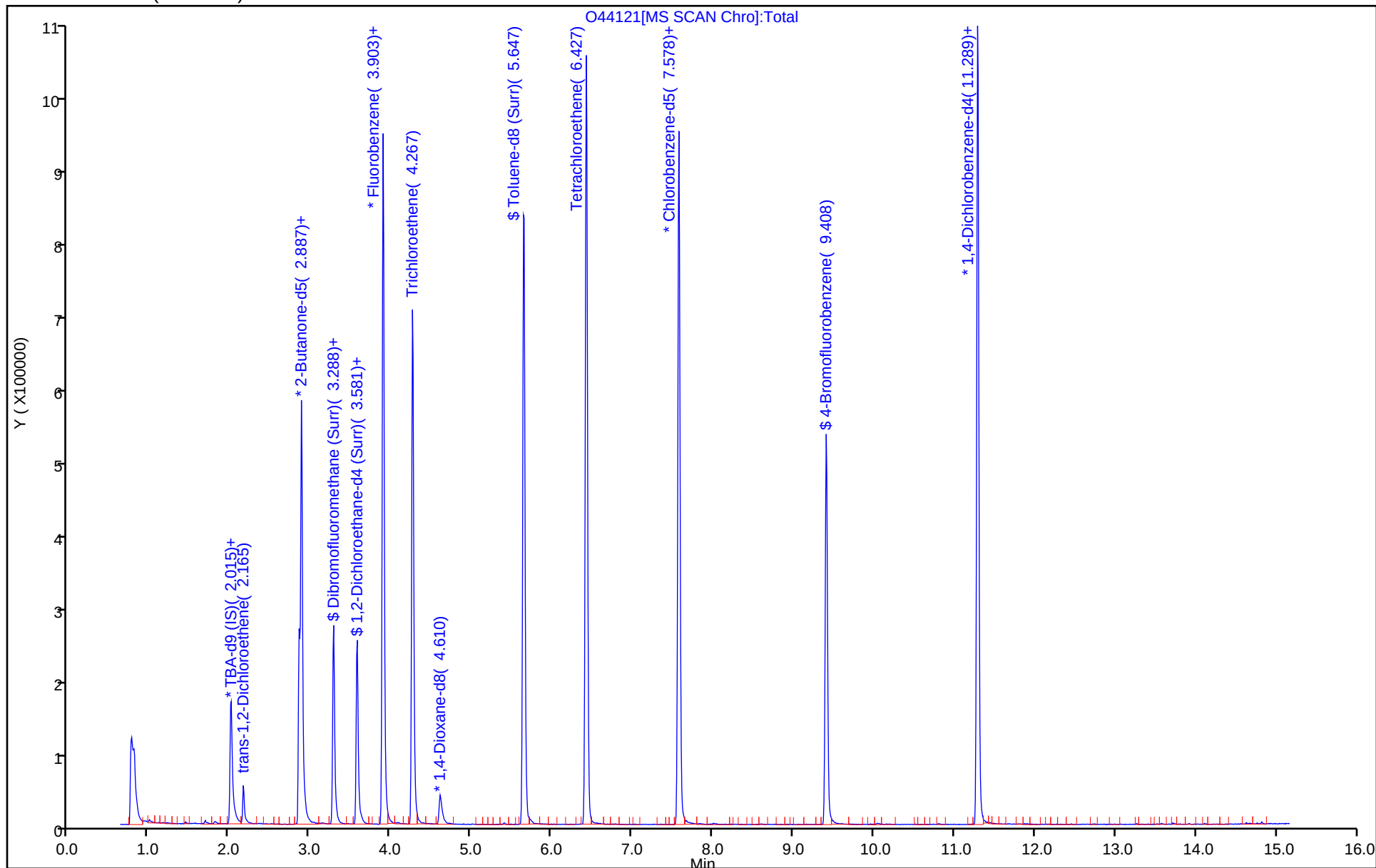
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44121.D

Injection Date: 17-Nov-2019 09:34:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-C-7

Lab Sample ID: 460-196269-7

Client ID: MW-X

Operator ID:

ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 5.000 mL

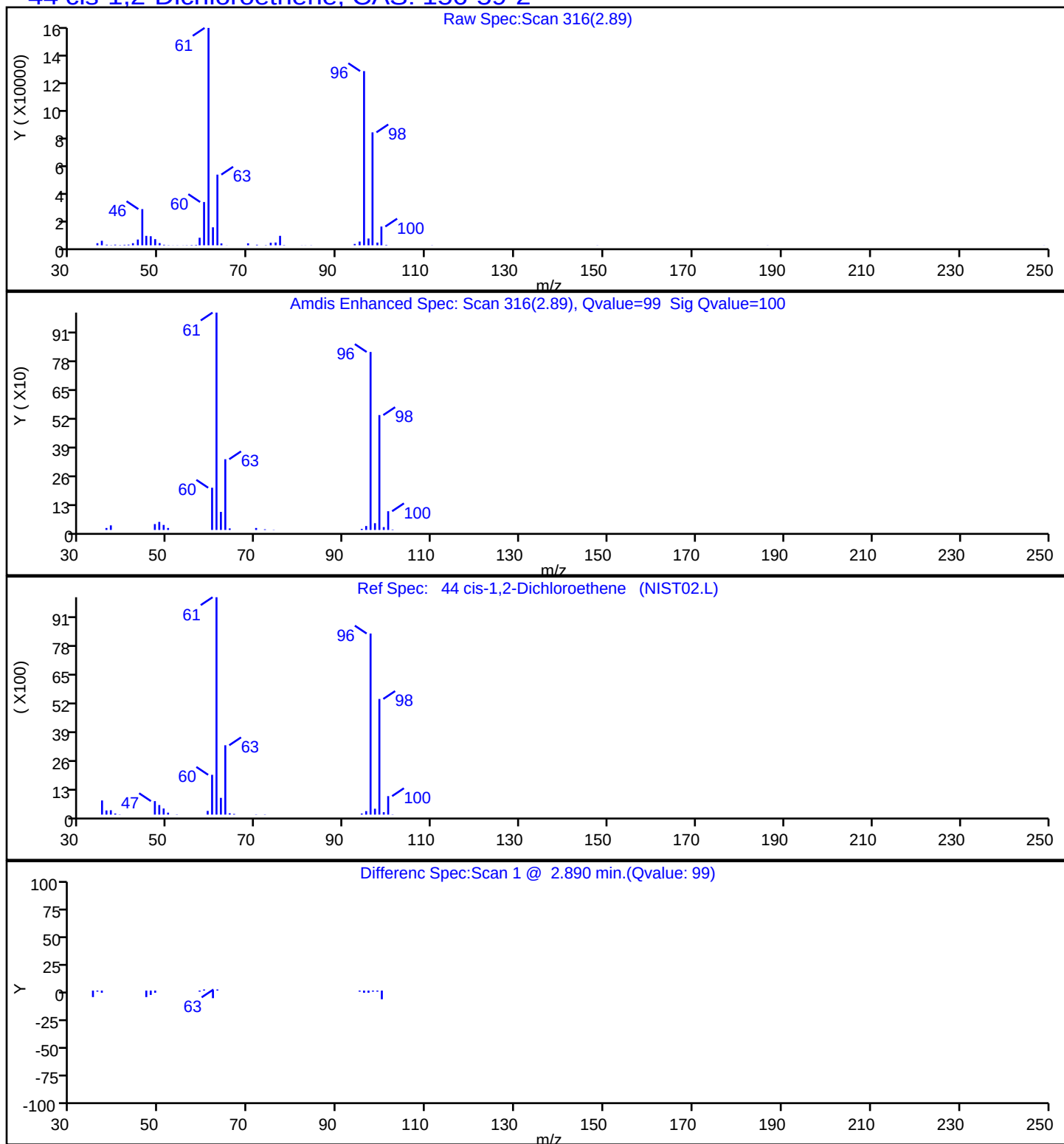
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44121.D

Injection Date: 17-Nov-2019 09:34:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-C-7

Lab Sample ID: 460-196269-7

Client ID: MW-X

Operator ID:

ALS Bottle#:

13

Worklist Smp#:

14

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

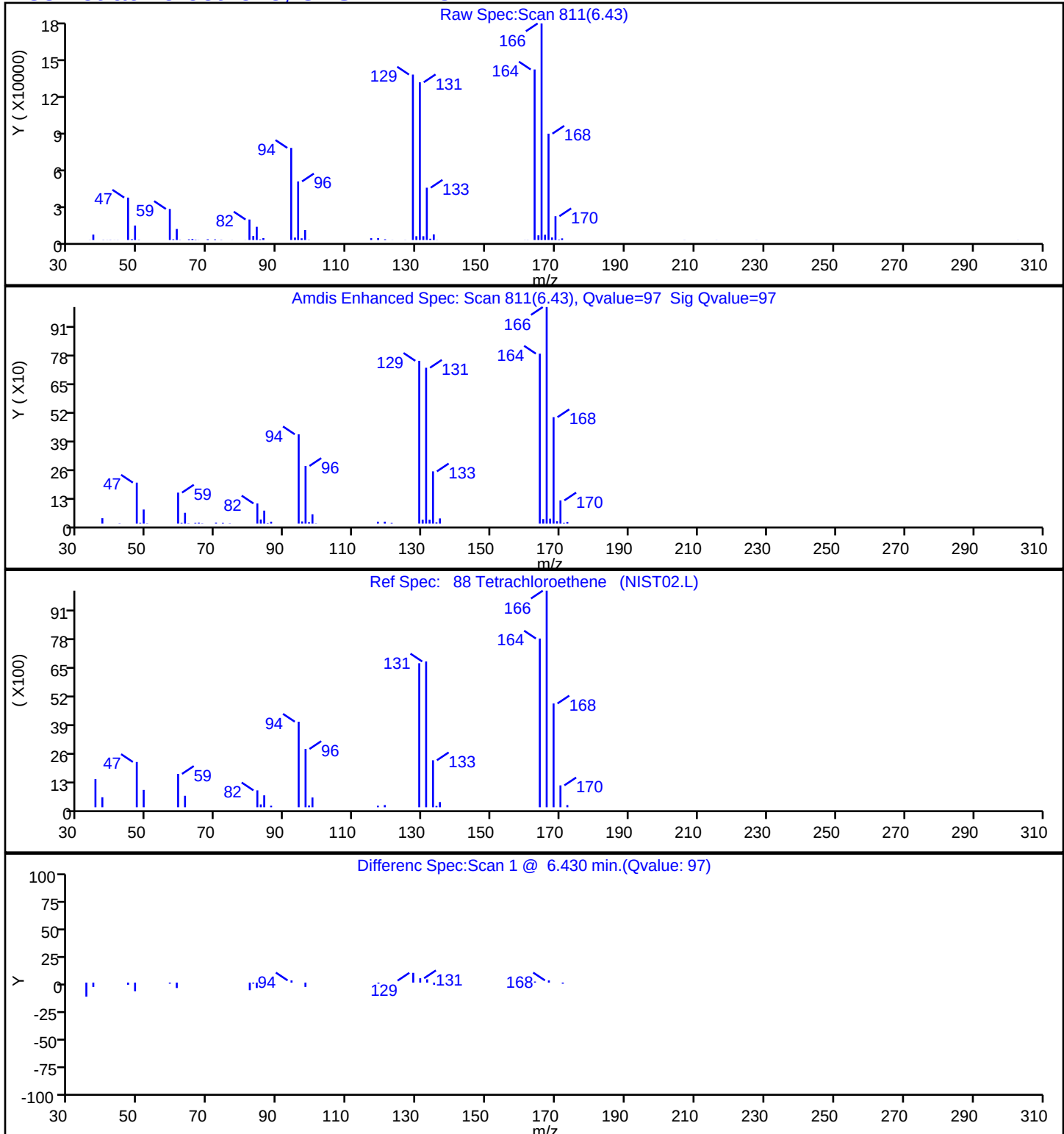
Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

88 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44121.D

Injection Date: 17-Nov-2019 09:34:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-C-7

Lab Sample ID: 460-196269-7

Client ID: MW-X

Operator ID:

ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 5.000 mL

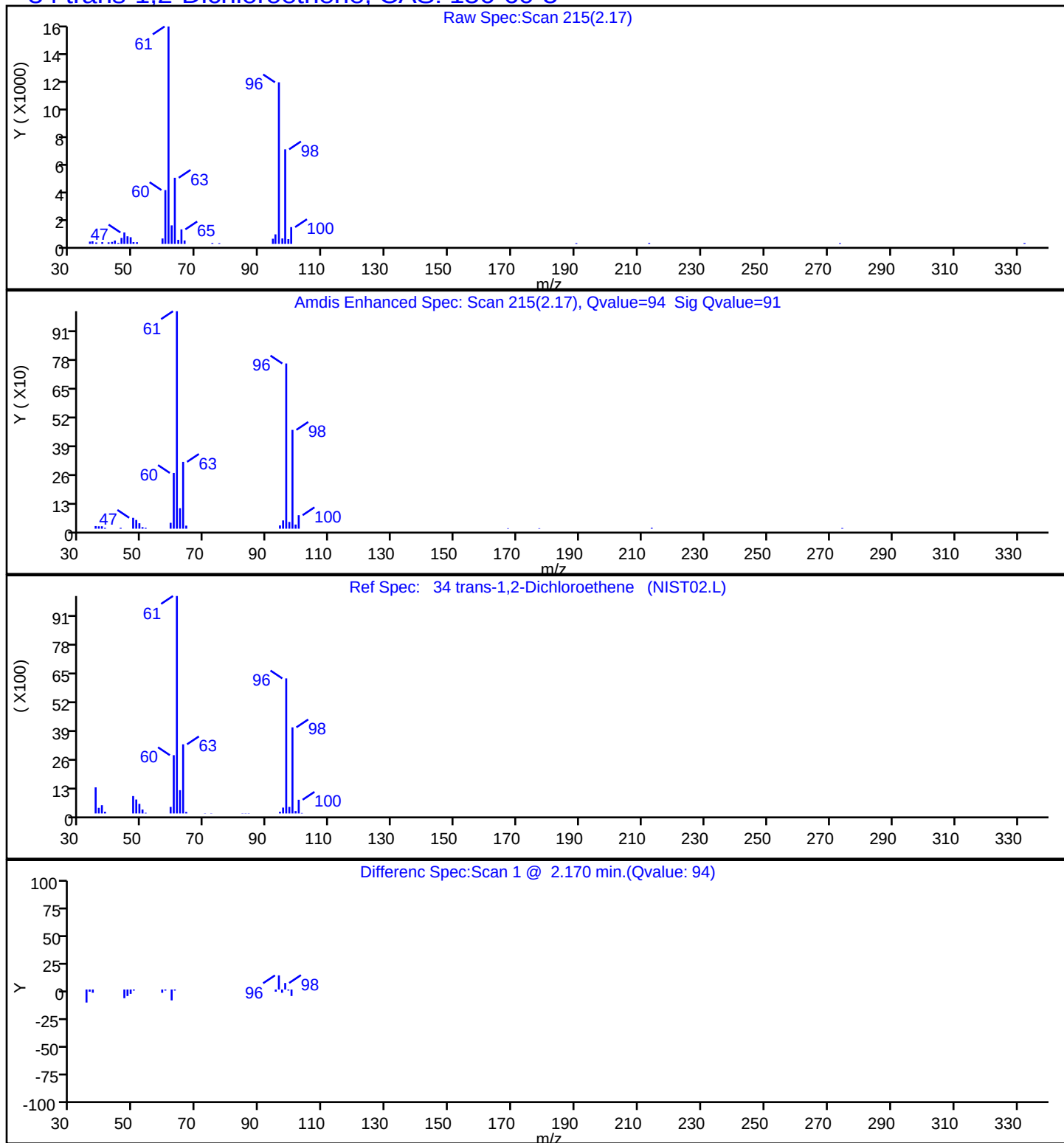
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44121.D

Injection Date: 17-Nov-2019 09:34:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-C-7

Lab Sample ID: 460-196269-7

Client ID: MW-X

Operator ID:

ALS Bottle#:

13

Worklist Smp#:

14

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

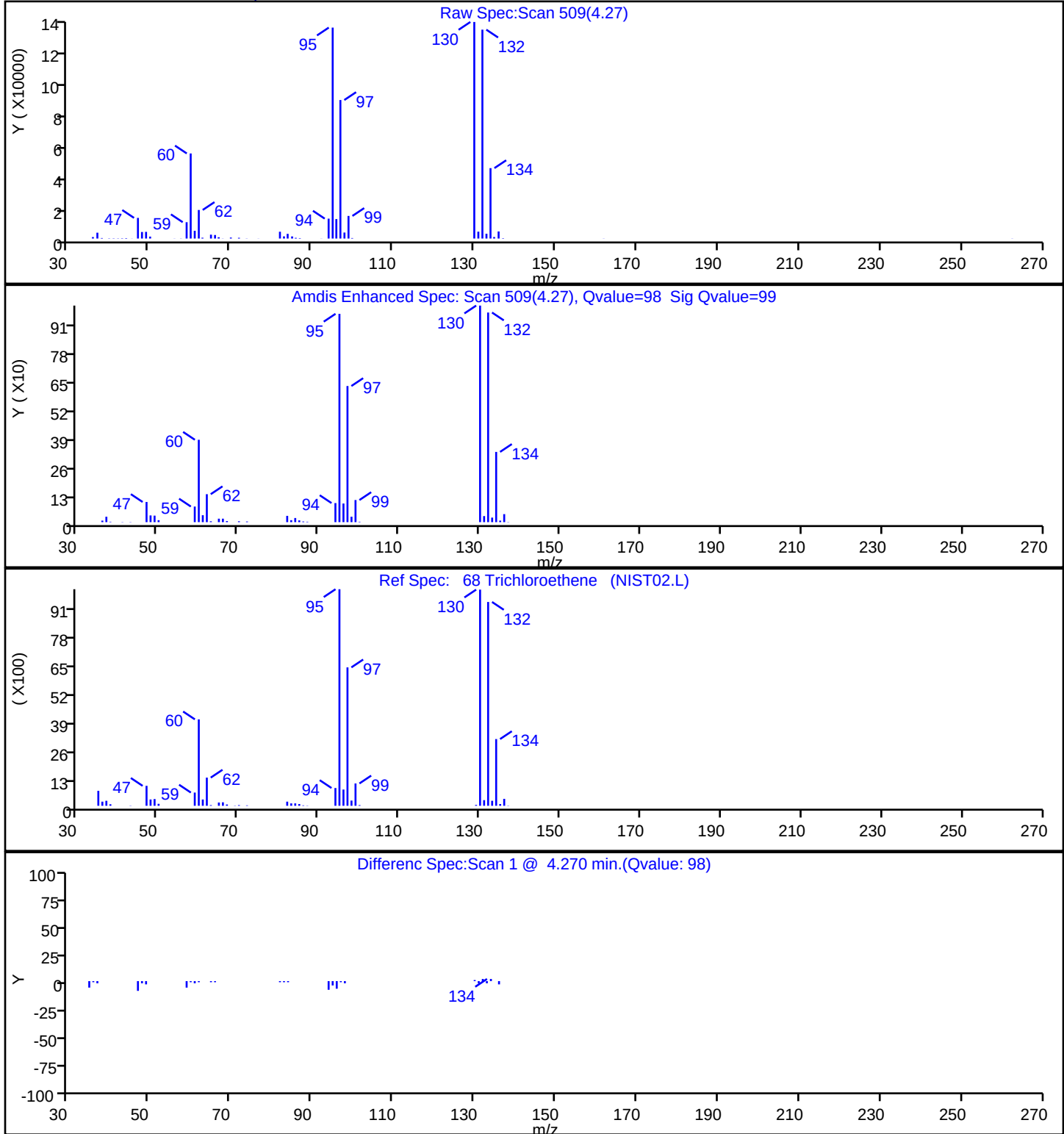
Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

68 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Edison</u>	Job No.: <u>460-196269-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-104S</u>	Lab Sample ID: <u>460-196269-8</u>
Matrix: <u>Water</u>	Lab File ID: <u>O44122.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>11/05/2019 12:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>11/17/2019 10:00</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>656031</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.43
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.43
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	55		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U *	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: MW-104S Lab Sample ID: 460-196269-8
 Matrix: Water Lab File ID: O44122.D
 Analysis Method: 8260C Date Collected: 11/05/2019 12:40
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 10:00
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656031 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
108-87-2	Methylcyclohexane	1.0	U	1.0	0.26
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	89		1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	5.0		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.49
79-01-6	Trichloroethene	61		1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
460-00-4	4-Bromofluorobenzene	86		77-124
1868-53-7	Dibromofluoromethane (Surr)	101		72-131
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44122.D
 Lims ID: 460-196269-B-8
 Client ID: MW-104S
 Sample Type: Client
 Inject. Date: 17-Nov-2019 10:00:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-196269-B-8
 Misc. Info.: 460-0101333-015
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 19-Nov-2019 19:14:15 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0307

First Level Reviewer: asfawa

Date: 18-Nov-2019 09:26:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	99	216227	1000.0	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	92	18181	5.01	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	99	287694	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	99	229156	55.2	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	153563	50.7	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.574	0.007	0	155896	48.4	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	828195	50.0	
68 Trichloroethene	95	4.267	4.267	0.000	98	246953	61.3	
* 72 1,4-Dioxane-d8	96	4.618	4.610	0.008	0	46229	1000.0	
\$ 83 Toluene-d8 (Surr)	98	5.655	5.647	0.007	99	641365	51.2	
88 Tetrachloroethene	166	6.427	6.427	0.000	96	375786	89.5	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	85	641962	50.0	
\$ 105 4-Bromofluorobenzene	174	9.416	9.408	0.008	92	180348	43.2	
* 120 1,4-Dichlorobenzene-d4	152	11.296	11.289	0.007	96	354678	50.0	

Reagents:

8260ISNEW_00127 Amount Added: 1.00 Units: uL Run Reagent
 8260SURR250_00203 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44122.D

Injection Date: 17-Nov-2019 10:00:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: 460-196269-B-8

Lab Sample ID: 460-196269-8

Worklist Smp#: 15

Client ID: MW-104S

Purge Vol: 5.000 mL

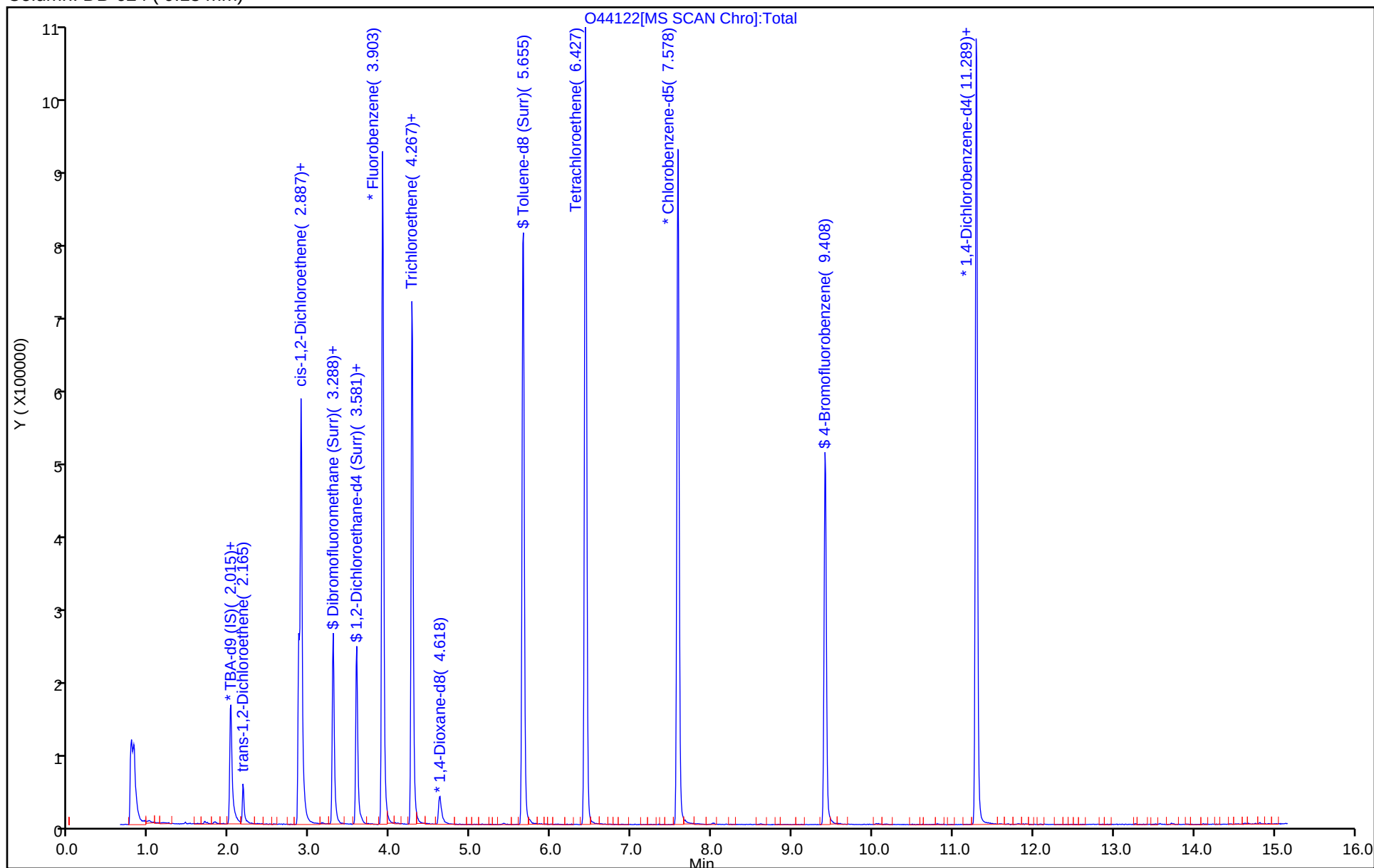
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44122.D

Injection Date: 17-Nov-2019 10:00:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-8

Lab Sample ID: 460-196269-8

Client ID: MW-104S

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

15

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

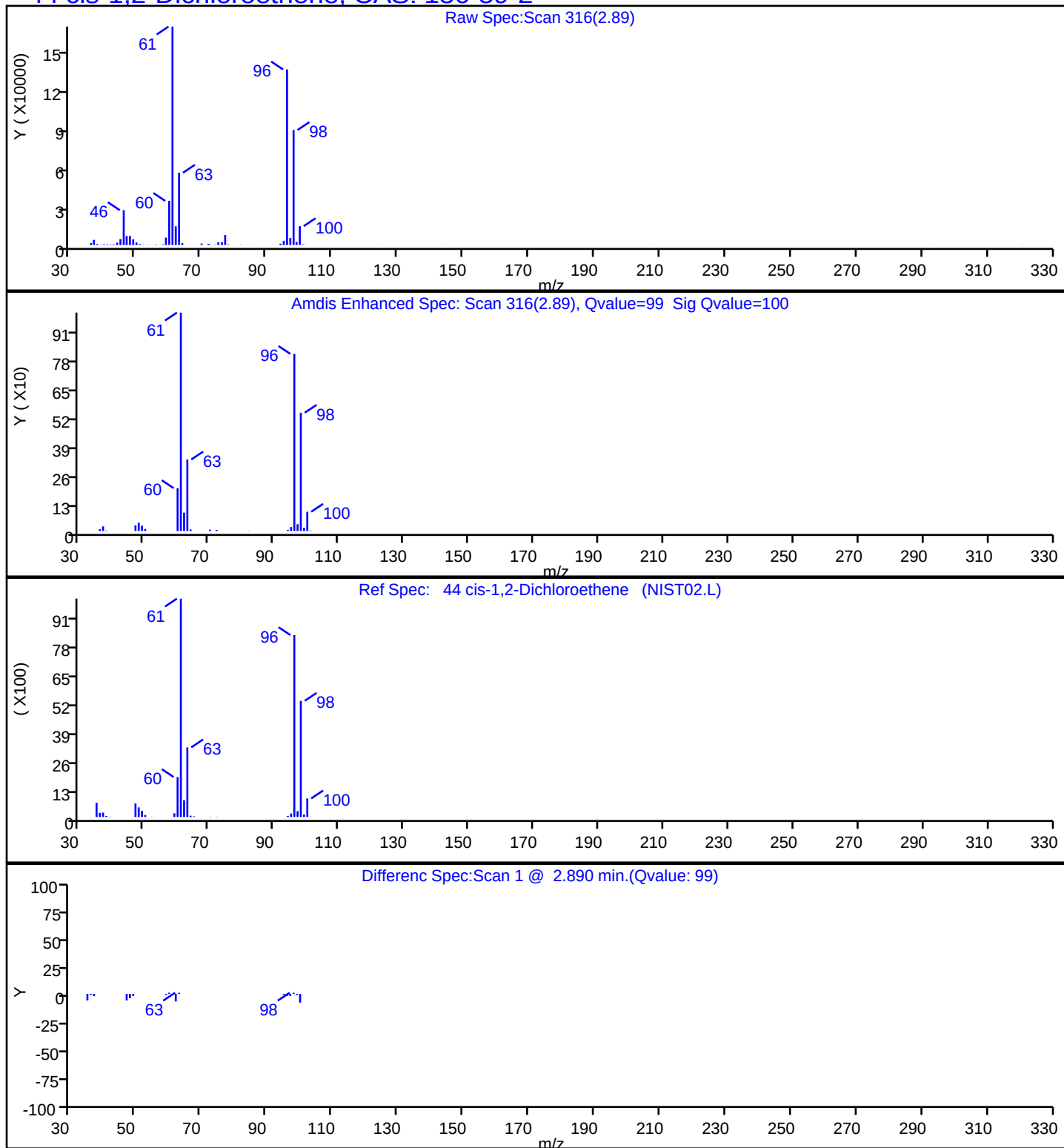
Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

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

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44122.D

Injection Date: 17-Nov-2019 10:00:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-8

Lab Sample ID: 460-196269-8

Client ID: MW-104S

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

15

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

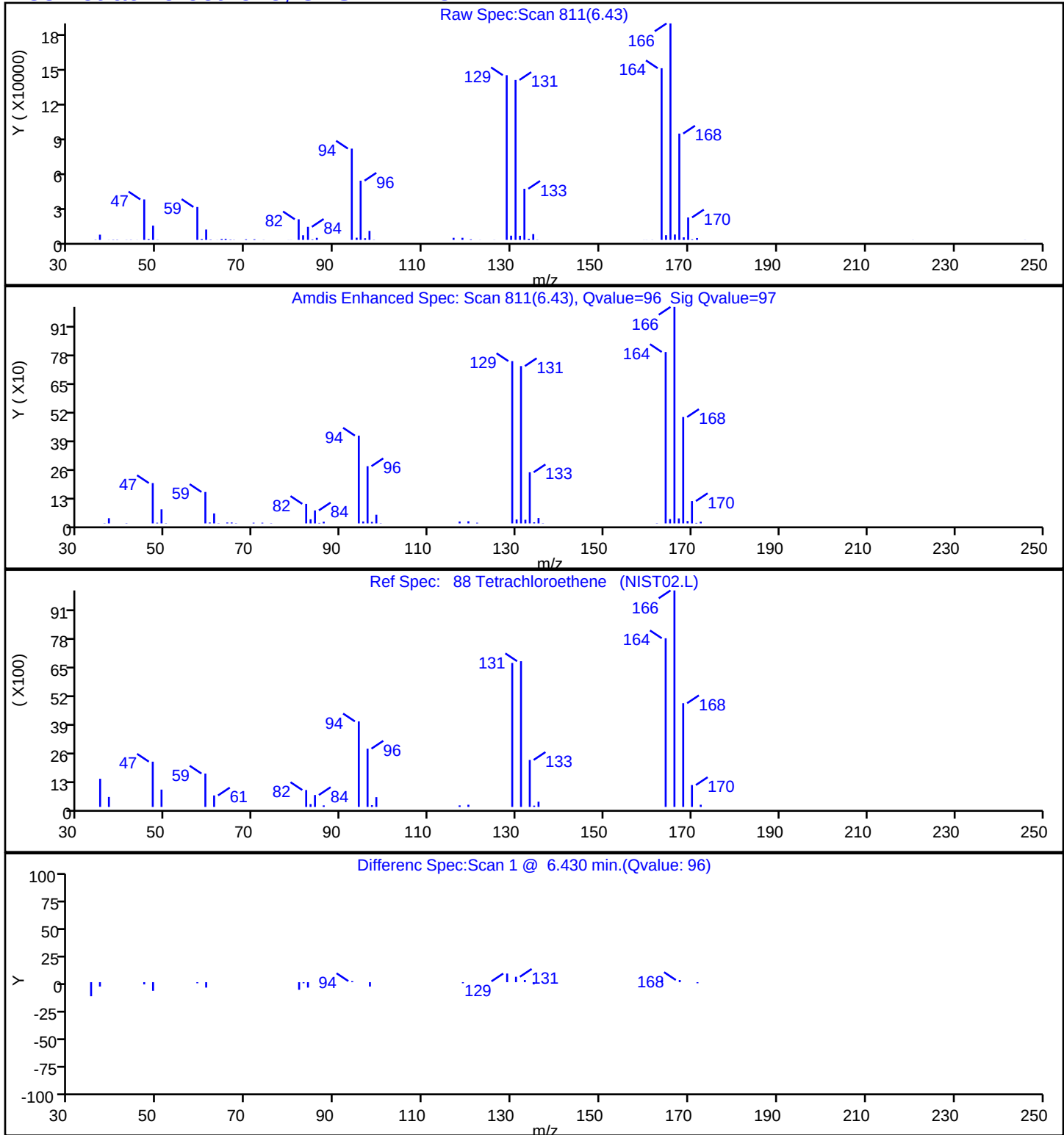
Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

88 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44122.D

Injection Date: 17-Nov-2019 10:00:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-8

Lab Sample ID: 460-196269-8

Client ID: MW-104S

Operator ID:

ALS Bottle#: 14 Worklist Smp#: 15

Purge Vol: 5.000 mL

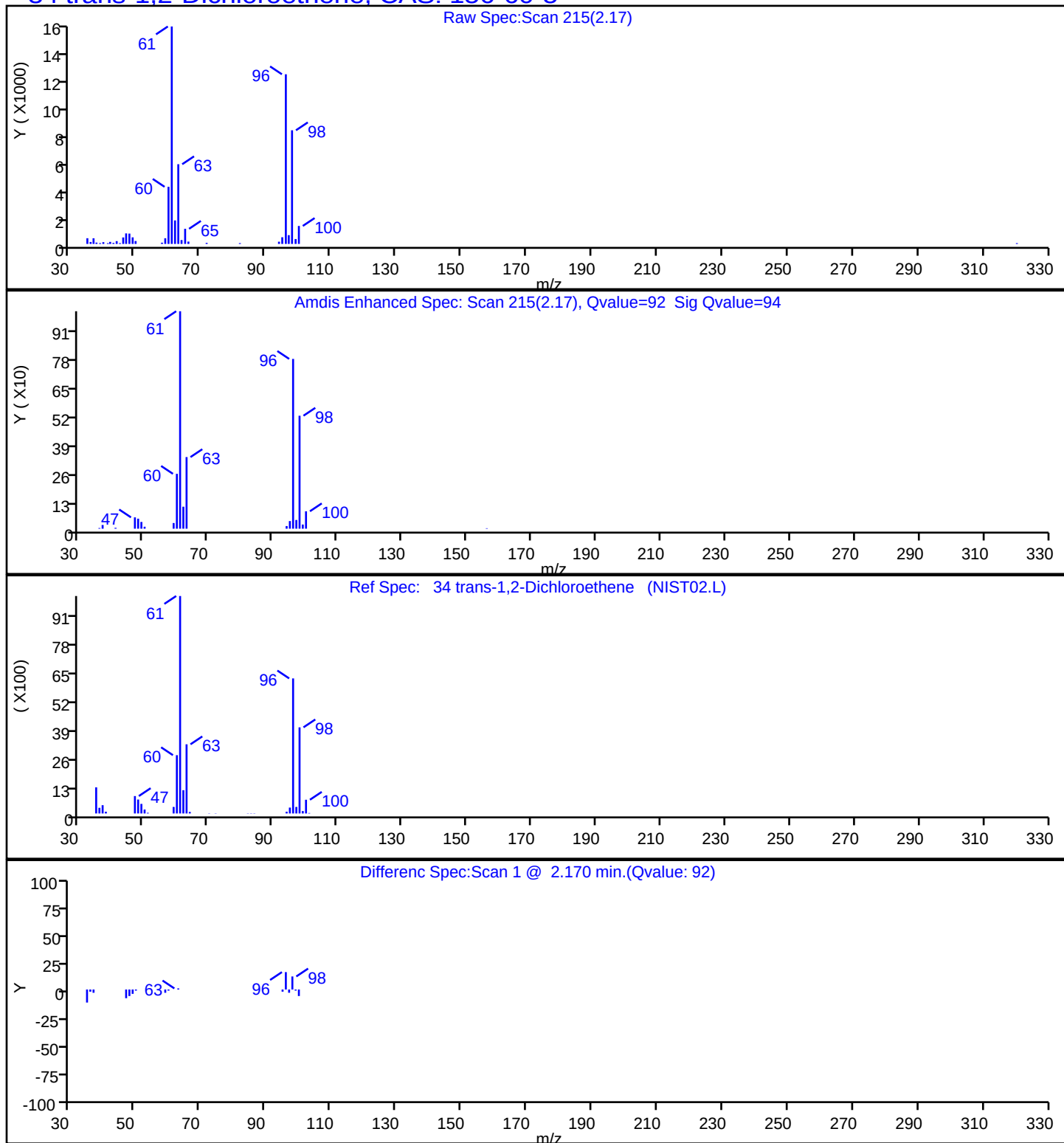
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44122.D

Injection Date: 17-Nov-2019 10:00:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-8

Lab Sample ID: 460-196269-8

Client ID: MW-104S

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

15

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

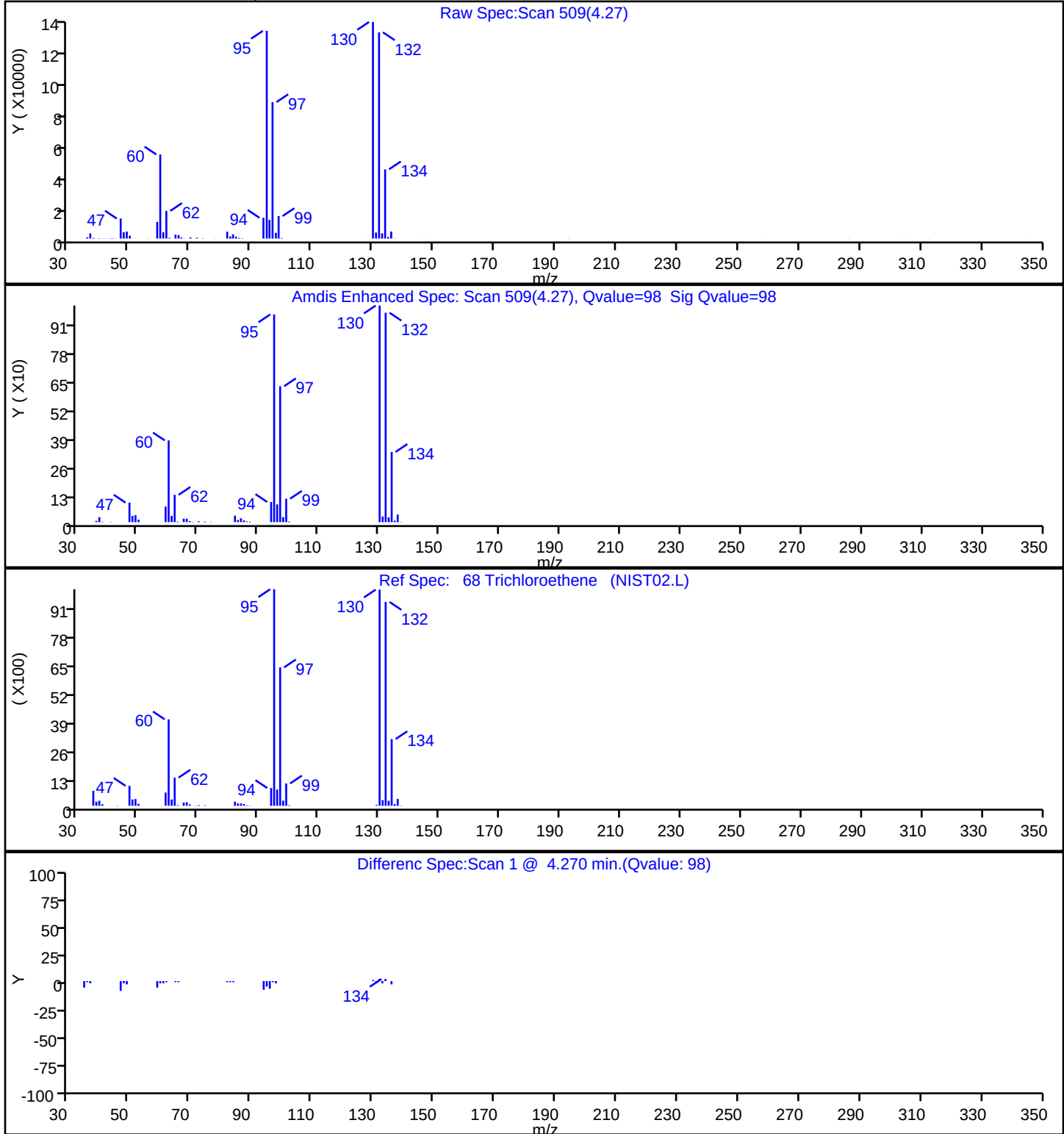
Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

68 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44122.D

Injection Date: 17-Nov-2019 10:00:30

Instrument ID: CVOAMS12

Lims ID: 460-196269-B-8

Lab Sample ID: 460-196269-8

Client ID: MW-104S

Operator ID:

ALS Bottle#:

14

Worklist Smp#: 15

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

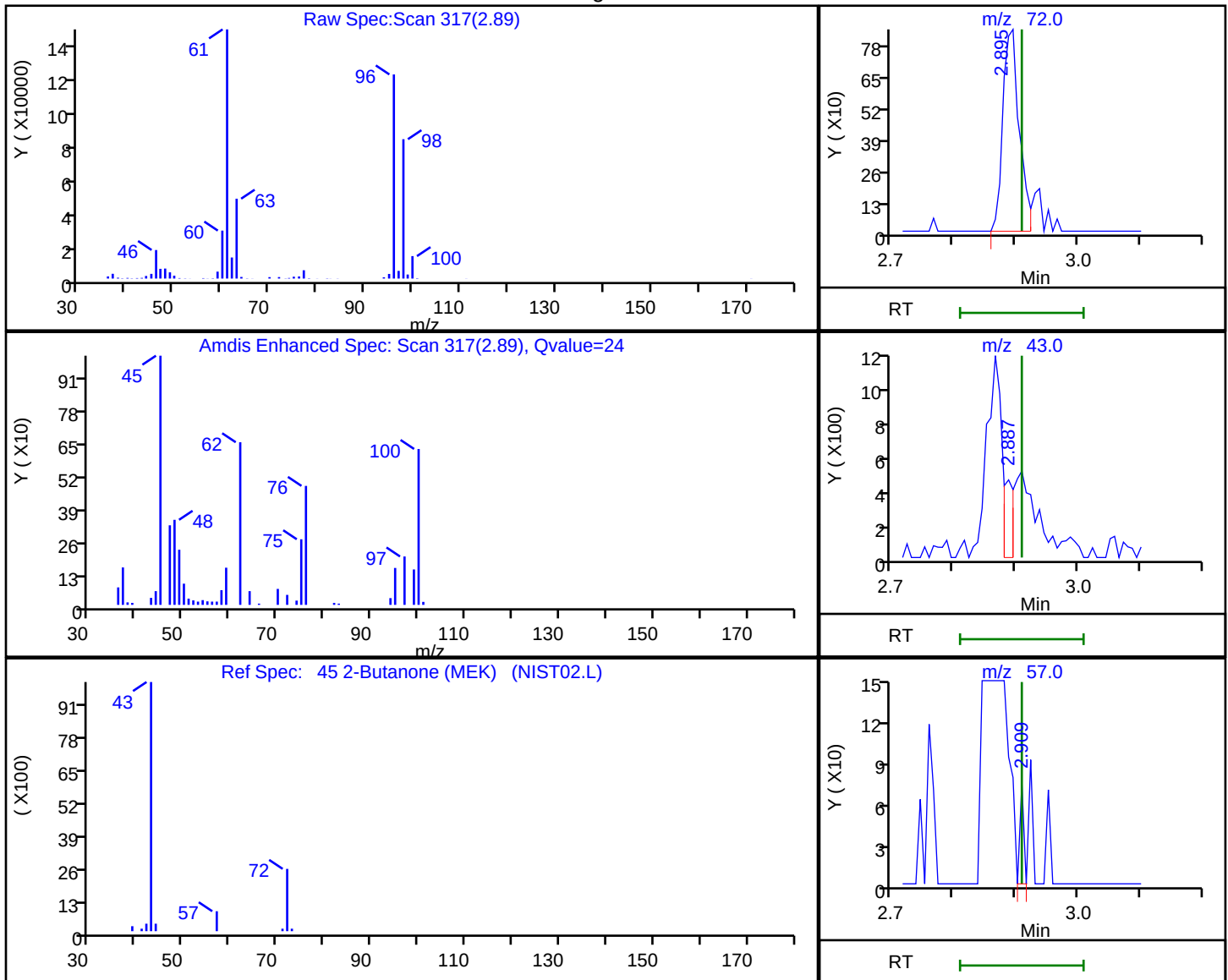
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

45 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
2.89	72.00	1563	4.462552
2.89	43.00	514	
2.91	57.00	32	

Reviewer: baronm, 19-Nov-2019 19:14:10

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570

SDG No.: _____

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-652570/3	043446.D
Level 2	STD05 460-652570/4	043447.D
Level 3	STD1 460-652570/5	043448.D
Level 4	STD5 460-652570/6	043449.D
Level 5	STD20 460-652570/7	043450.D
Level 6	STD50 460-652570/8	043451.D
Level 7	STD200 460-652570/9	043452.D
Level 8	STD500 460-652570/10	043453.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Monochloropentafluoroethane	++++ 0.0098	++++ 0.0104	++++ 0.0118	0.0019	0.0026	QuaF		0.0094	0.0000049						0.9990		0.9900
Chlorotrifluoroethene	++++ 1.2845	1.0651 1.4040	1.1837 1.3340	1.1256	1.0716	Ave		1.2098				11.0		20.0			
1,1-Difluoroethane	++++ 0.1383	0.1746 0.1414	0.0950 0.1325	0.1481	0.1335	Ave		0.1376				17.2		20.0			
Dichlorodifluoromethane	++++ 0.3032	0.2738 0.2974	0.2113 0.3020	0.2342	0.2181	Ave		0.2628			0.1000	15.5		20.0			
Chlorodifluoromethane	++++ 0.0476	0.0676 0.0500	0.0459 0.0474	0.0530	0.0509	Ave		0.0518				14.2		20.0			
Chloromethane	++++ 0.2807	0.2258 0.2485	0.1533 0.2489	0.2436	0.2406	Ave		0.2345			0.1000	16.8		20.0			
Vinyl chloride	++++ 0.2729	0.2520 0.2604	0.2547 0.2600	0.2552	0.2478	Ave		0.2576			0.1000	3.1		20.0			
Butadiene	0.2164 0.2254	0.2003 0.2257	0.2023 0.2282	0.2324	0.2147	Ave		0.2182				5.5		20.0			
Bromomethane	++++ 1.6989	1.8787 1.3107	1.7184 ++++	1.4243	1.2333	Ave		1.5440			0.1000	16.7		20.0			
Chloroethane	++++ 0.1601	0.1772 0.1216	0.1882 ++++	0.1759	0.1550	Ave		0.1630			0.1000	14.5		20.0			
Dichlorofluoromethane	++++ 0.3891	0.3969 0.3545	0.3831 0.3227	0.4110	0.3860	Ave		0.3776				7.8		20.0			
Trichlorofluoromethane	++++ 0.3409	0.3055 0.3045	0.3284 0.3349	0.3565	0.3301	Ave		0.3287			0.1000	5.7		20.0			
Pentane	++++ 0.0420	0.0525 0.0413	0.0454 0.0352	0.0413	0.0367	Ave		0.0421				13.6		20.0			
Ethanol	++++ 0.0811	0.0925 0.0703	0.1107 ++++	0.1052	0.0841	Ave		0.0907				16.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570
SDG No.: _____
Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

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								
Ethyl ether	++++ 0.1654	0.1774 0.1638	0.1771 0.1381	0.1743	0.1686	Ave		0.1664				8.2		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	++++ 0.1742	0.1512 0.1795	0.1982 0.1559	0.1776	0.1638	Ave		0.1715				9.3		20.0			
2-Methyl-1,3-butadiene	++++ 0.1782	0.1194 0.1846	0.1510 0.1586	0.1621	0.1819	Ave		0.1623				14.0		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	++++ 0.2845	0.2933 0.2876	0.3305 0.2589	0.3357	0.3031	Ave		0.2991				9.0		20.0			
Acrolein	++++ 1.3210	1.3776 1.5636	1.1406 1.4940	1.3798	1.2806	Ave		1.3653				10.2		20.0			
1,1-Dichloroethene	++++ 0.1894	0.2108 0.1868	0.2287 0.1839	0.2127	0.1990	Ave		0.2016			0.1000	8.2		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 0.2015	0.2536 0.1885	0.2423 0.1708	0.2274	0.2132	Ave		0.2139			0.1000	13.8		20.0			
Acetone	++++ 0.2338	0.1728 0.2458	0.1969 0.1960	0.2098	0.1948	Ave		0.2071			0.0500	12.1		20.0			
Iodomethane	++++ 0.0959	0.0587 0.1059	0.0609 0.0884	0.0707	0.0837	QuaF		0.1141	-0.000051						0.9990		0.9900
Isopropyl alcohol	++++ 0.6732	0.9669 0.6074	0.9378 ++++	0.8926	0.7318	Ave		0.8016				18.8		20.0			
Carbon disulfide	++++ 0.6107	0.6166 0.6225	0.6691 0.5619	0.6005	0.6247	Ave		0.6151			0.1000	5.2		20.0			
Acetonitrile	++++ 0.4676	1.4148 0.4199	0.6684 0.2922	0.6006	0.5096	QuaF		0.5033	-0.000042						1.0000		0.9900
Allyl chloride	++++ 0.1409	0.1949 0.1632	0.1303 0.1458	0.1439	0.1462	Ave		0.1522				13.9		20.0			
Methyl acetate	++++ 1.7114	2.2989 1.7431	1.8090 1.6052	1.9226	1.9174	Ave		1.8582			0.1000	12.1		20.0			
Cyclopentene	++++ 0.5355	0.5468 0.5134	0.5902 0.4463	0.5239	0.5264	Ave		0.5261				8.2		20.0			
Methylene Chloride	++++ 0.2328	0.3112 0.2309	0.2850 0.2141	0.2554	0.2385	Ave		0.2526			0.1000	13.6		20.0			
2-Methyl-2-propanol	++++ 0.9232	1.3675 0.9298	1.4618 0.8496	1.1544	0.9261	QuaF		0.9759	-0.000025						1.0000		0.9900
Acrylonitrile	0.0475 0.0492	0.0404 0.0552	0.0417 0.0515	0.0495	0.0495	Ave		0.0481				10.2		20.0			
trans-1,2-Dichloroethene	++++ 0.2250	0.1955 0.2238	0.2434 0.1879	0.2371	0.2212	Ave		0.2191			0.1000	9.3		20.0			
Methyl tert-butyl ether	++++ 0.5547	0.4696 0.5645	0.5338 0.4807	0.5477	0.5576	Ave		0.5298			0.1000	7.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570

SDG No.: _____

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

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								
Hexane	++++ 0.2345	0.2596 0.2302	0.2438 0.2044	0.2199	0.2335	Ave		0.2323				7.5		20.0			
1,1-Dichloroethane	++++ 0.3651	0.3877 0.3761	0.4426 0.3344	0.3914	0.3919	Ave		0.3842			0.2000	8.5		20.0			
Vinyl acetate	++++ 0.3987	0.5133 0.3899	0.3837 0.5359	0.3263	0.3611	Ave		0.4156				18.9		20.0			
2-Chloro-1,3-butadiene	++++ 0.2274	0.1961 0.2235	0.1980 0.1909	0.2131	0.2173	Ave		0.2095				6.9		20.0			
Isopropyl ether	++++ 0.6598	0.6552 0.6540	0.6620 0.5312	0.6400	0.6582	Ave		0.6372				7.4		20.0			
Tert-butyl ethyl ether	++++ 0.6029	0.5283 0.6419	0.5759 0.5380	0.5486	0.5776	Ave		0.5733				6.9		20.0			
2,2-Dichloropropane	++++ 0.0611	0.0486 0.0660	0.0668 0.0613	0.0602	0.0603	Ave		0.0606				9.9		20.0			
cis-1,2-Dichloroethene	++++ 0.2471	0.2524 0.2457	0.2801 0.2167	0.2601	0.2517	Ave		0.2506			0.1000	7.6		20.0			
2-Butanone (MEK)	++++ 0.3111	0.2893 0.3098	0.3552 0.2705	0.3022	0.2923	Ave		0.3044			0.0500	8.7		20.0			
Propionitrile	++++ 0.3315	0.4885 0.3059	0.3478 ++++	0.3627	0.3492	Ave		0.3643				17.5		20.0			
Ethyl acetate	++++ 0.2609	0.3506 0.2754	0.2262 0.2663	0.2048	0.2465	Ave		0.2615				17.7		20.0			
Methyl acrylate	++++ 0.1572	0.1447 0.1703	0.1415 0.1847	0.1483	0.1550	Ave		0.1574				9.8		20.0			
Methacrylonitrile	++++ 0.0749	0.0685 0.0724	0.0710 0.0597	0.0768	0.0750	Ave		0.0712				8.1		20.0			
Chlorobromomethane	++++ 0.1161	0.1386 0.1124	0.1233 0.0965	0.1293	0.1192	Ave		0.1193				11.2		20.0			
Tetrahydrofuran	++++ 0.6484	1.0636 0.6464	0.7538 0.5969	0.7599	0.6990	Qua2	0.3481	0.6740	-0.000077						0.9930		0.9900
Chloroform	++++ 0.3730	0.4331 0.3634	0.4425 0.3170	0.4011	0.3907	Ave		0.3887			0.2000	11.0		20.0			
1,1,1-Trichloroethane	++++ 0.3181	0.2747 0.3187	0.3493 0.2945	0.3312	0.3170	Ave		0.3148			0.1000	7.7		20.0			
Cyclohexane	++++ 0.3230	0.2950 0.3129	0.3156 0.2883	0.2993	0.3295	Ave		0.3091			0.1000	4.9		20.0			
Carbon tetrachloride	++++ 0.2545	0.2330 0.2693	0.2670 0.2574	0.2478	0.2463	Ave		0.2536			0.1000	5.0		20.0			
1,1-Dichloropropene	++++ 0.3021	0.2956 0.3008	0.3501 0.2743	0.3240	0.3167	Ave		0.3091				7.8		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: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570

SDG No.: _____

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

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								
Isobutyl alcohol	++++ 0.4137	0.3739 0.4307	0.3815 0.3942	0.3804	0.3887	Ave		0.3947				5.2		20.0			
Benzene	++++ 1.1623	1.1939 1.0894	1.3304 0.8741	1.2060	1.2063	Ave		1.1518			0.5000	12.3		20.0			
1,2-Dichloroethane	++++ 0.2803	0.3458 0.2756	0.3457 0.2489	0.3019	0.2798	Ave		0.2969			0.1000	12.4		20.0			
2,2,4-Trimethylpentane	++++ 0.4068	0.3891 0.4053	0.4068 0.3686	0.4008	0.3915	Ave		0.3956				3.5		20.0			
Isopropyl acetate	++++ 0.0652	0.0506 0.0727	0.0544 0.0694	0.0478	0.0586	Ave		0.0598				15.9		20.0			
Tert-amyl methyl ether	++++ 0.5741	0.4811 0.6001	0.5383 0.5299	0.5160	0.5566	Ave		0.5423				7.2		20.0			
n-Heptane	++++ 0.1582	0.2042 0.1522	0.1915 0.1399	0.1599	0.1586	Ave		0.1663				13.7		20.0			
n-Butanol	++++ 0.3129	0.1961 0.3237	0.2538 0.2922	0.2543	0.2808	Ave		0.2734				15.8		20.0			
Trichloroethene	++++ 0.2495	0.2132 0.2504	0.2644 0.2176	0.2551	0.2526	Ave		0.2433			0.2000	8.1		20.0			
Ethyl acrylate	++++ 0.2250	0.1636 0.2397	0.1232 0.2385	0.1385	0.1823	QuaF		0.2369	0.0000034						1.0000		0.9900
Methylcyclohexane	++++ 0.3175	0.3005 0.3149	0.3038 0.2833	0.3305	0.3085	Ave		0.3084			0.1000	4.8		20.0			
1,2-Dichloropropane	++++ 0.2341	0.2127 0.2345	0.2224 0.2166	0.2257	0.2305	Ave		0.2252			0.1000	3.8		20.0			
Dibromomethane	++++ 0.1315	0.1377 0.1344	0.1194 0.1229	0.1397	0.1313	Ave		0.1310				5.7		20.0			
1,4-Dioxane	++++ 0.9624	1.0338 0.9464	1.0169 0.8538	1.0887	1.0347	Ave		0.9910				7.8		20.0			
Methyl methacrylate	++++ 0.0547	0.0394 0.0580	0.0490 0.0547	0.0448	0.0529	Ave		0.0505				12.9		20.0			
n-Propyl acetate	++++ 0.2156	0.1757 0.2359	0.1886 0.2194	0.1789	0.2088	Ave		0.2033				11.1		20.0			
Dichlorobromomethane	++++ 0.2867	0.2786 0.2954	0.2916 0.2716	0.2807	0.2745	Ave		0.2827			0.2000	3.1		20.0			
2-Nitropropane	++++ 0.0295	0.0269 ++++	0.0233 ++++	0.0222	0.0241	Ave		0.0252				11.6		20.0			
2-Chloroethyl vinyl ether	++++ 0.0531	0.0234 0.0365	0.0500 0.0373	0.0549	0.0533	QuaF		0.0387	-0.000003						0.9970		0.9900
Epichlorohydrin	0.1699 0.1983	0.1942 0.1713	0.1898 0.1576	0.1954	0.1984	Ave		0.1844				8.6		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: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570
SDG No.: _____
Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

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								
cis-1,3-Dichloropropene	++++ 0.4584	0.3246 0.4614	0.3262 0.4118	0.3954	0.4238	Ave		0.4002			0.2000	14.1		20.0			
4-Methyl-2-pentanone (MIBK)	++++ 2.0491	1.9153 2.0047	2.0235 1.7773	1.9830	2.0923	Ave		1.9779			0.0500	5.3		20.0			
Toluene	++++ 1.2625	1.4816 1.1733	1.4950 0.9353	1.3322	1.3089	Ave		1.2841			0.4000	14.9		20.0			
trans-1,3-Dichloropropene	++++ 0.3782	0.3001 0.4015	0.2670 0.3683	0.2822	0.3491	Ave		0.3352			0.1000	15.5		20.0			
Ethyl methacrylate	++++ 0.3036	0.1839 0.3151	0.2228 0.2903	0.2531	0.2903	Ave		0.2656				18.0		20.0			
1,1,2-Trichloroethane	++++ 0.2081	0.1894 0.2057	0.2213 0.1883	0.2009	0.2098	Ave		0.2034			0.1000	5.7		20.0			
Tetrachloroethene	++++ 0.3252	0.3343 0.3175	0.3729 0.2816	0.3341	0.3240	Ave		0.3271			0.2000	8.3		20.0			
1,3-Dichloropropane	++++ 0.4304	0.4026 0.4289	0.4092 0.3889	0.4226	0.4341	Ave		0.4167				4.0		20.0			
2-Hexanone	++++ 1.5024	1.2012 1.4558	1.4930 1.2743	1.4438	1.4650	Ave		1.4051			0.0500	8.4		20.0			
Chlorodibromomethane	++++ 0.2750	0.2035 0.2968	0.2073 0.2790	0.2260	0.2530	Ave		0.2486			0.1000	14.9		20.0			
n-Butyl acetate	++++ 0.3076	0.2149 0.3213	0.2702 0.2955	0.2722	0.2873	Ave		0.2813				12.3		20.0			
Ethylene Dibromide	++++ 0.2610	0.2601 0.2597	0.2160 0.2375	0.2370	0.2514	Ave		0.2461			0.1000	6.8		20.0			
Chlorobenzene	++++ 0.8583	0.8938 0.8281	0.9119 0.7069	0.9000	0.8679	Ave		0.8524			0.5000	8.2		20.0			
1,1,1,2-Tetrachloroethane	++++ 0.2788	0.2116 0.3010	0.2231 0.2800	0.2361	0.2671	Ave		0.2568				13.0		20.0			
Ethylbenzene	++++ 0.4508	0.4257 0.4543	0.4752 0.4031	0.4458	0.4535	Ave		0.4441			0.1000	5.2		20.0			
m-Xylene & p-Xylene	++++ 0.5430	0.5578 0.5478	0.6107 0.4864	0.5656	0.5483	Ave		0.5514			0.1000	6.7		20.0			
o-Xylene	++++ 0.5376	0.5326 0.5367	0.5927 0.4721	0.5388	0.5329	Ave		0.5348			0.3000	6.5		20.0			
Styrene	++++ 0.9165	0.7194 0.8875	0.8930 0.7351	0.8951	0.9229	Ave		0.8528			0.3000	10.2		20.0			
n-Butyl acrylate	++++ 0.1787	0.0954 0.1868	0.1335 0.1718	0.1402	0.1645	Lin2	-0.039	0.1711							0.9940		0.9900
Bromoform	++++ 0.1712	0.1444 0.1940	0.1126 0.1840	0.1291	0.1466	Ave		0.1546			0.1000	19.2		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: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570

SDG No.: _____

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

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								
Amyl acetate (mixed isomers)	++++ 0.6757	0.3860 0.6590	0.4817 0.6251	0.5737	0.6497	Lin2	-0.136	0.6424							0.9980		0.9900
Isopropylbenzene	++++ 1.2948	1.2995 1.2413	1.4139 1.0066	1.3032	1.3085	Ave		1.2668			0.1000	9.9		20.0			
Bromobenzene	++++ 0.6838	0.6657 0.6588	0.6942 0.5978	0.6931	0.6862	Ave		0.6685				5.1		20.0			
1,1,2,2-Tetrachloroethane	++++ 0.5244	0.4901 0.5114	0.5645 0.5082	0.5120	0.5187	Ave		0.5185			0.3000	4.4		20.0			
1,2,3-Trichloropropane	++++ 0.1612	0.1748 0.1652	0.1760 0.1571	0.1675	0.1601	Ave		0.1660				4.4		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.1137	0.0792 0.1296	0.0904 0.1324	0.1025	0.1127	Ave		0.1086				17.9		20.0			
N-Propylbenzene	++++ 2.5259	2.6971 2.4579	2.7181 2.1569	2.6102	2.5754	Ave		2.5345				7.5		20.0			
2-Chlorotoluene	++++ 1.7092	1.7842 1.6291	1.9085 1.4187	1.7707	1.7444	Ave		1.7092				9.0		20.0			
4-Ethyltoluene	++++ 2.2419	2.2220 2.1874	2.2662 1.8812	2.2125	2.2214	Ave		2.1761				6.1		20.0			
4-Chlorotoluene	++++ 1.6796	1.7666 1.5667	2.1846 1.2373	1.7995	1.7301	Ave		1.7092				16.6		20.0			
1,3,5-Trimethylbenzene	++++ 1.8587	1.7962 1.8272	1.9198 1.5430	1.8345	1.8638	Ave		1.8062				6.8		20.0			
Butyl Methacrylate	++++ 0.6119	0.3526 0.6384	0.3793 0.6020	0.4412	0.5496	QuaF		0.6537	-0.000103						1.0000		0.9900
tert-Butylbenzene	++++ 1.5526	1.5464 1.5046	1.7152 1.3198	1.5860	1.5497	Ave		1.5392				7.6		20.0			
1,2,4-Trimethylbenzene	++++ 1.8607	1.7332 1.8607	1.9333 1.5661	1.7412	1.8436	Ave		1.7913				6.8		20.0			
sec-Butylbenzene	++++ 2.0341	2.0631 1.9636	2.1883 1.6697	2.0819	2.0423	Ave		2.0061				8.1		20.0			
1,3-Dichlorobenzene	++++ 1.2070	1.2556 1.1697	1.3304 1.0088	1.2623	1.2215	Ave		1.2079			0.6000	8.4		20.0			
1,4-Dichlorobenzene	++++ 1.2265	1.3027 1.1871	1.4456 0.9950	1.2725	1.2390	Ave		1.2383			0.5000	10.9		20.0			
4-Isopropyltoluene	++++ 1.7413	1.6146 1.7371	1.8474 1.4364	1.6852	1.7411	Ave		1.6861				7.7		20.0			
1,2,3-Trimethylbenzene	++++ 1.9584	1.8249 1.9258	1.8668 1.5581	1.7990	1.8819	Ave		1.8307				7.2		20.0			
Benzyl chloride	++++ 0.1364	0.0677 0.1736	0.0700 0.1749	0.0814	0.1055	QuaF		0.1661	0.0000181						0.9990		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: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570

SDG No.: _____

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

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								
Indan	++++ 2.1371	2.1676 1.9803	2.2945 1.5481	2.1279	2.1399	Ave		2.0565				11.8		20.0			
1,2-Dichlorobenzene	++++ 1.2022	1.1429 1.1379	1.3151 0.9378	1.2246	1.2357	Ave		1.1709			0.4000	10.2		20.0			
p-Diethylbenzene	++++ 0.9138	0.8687 0.9492	0.8605 0.8163	0.8569	0.8529	Ave		0.8740				5.0		20.0			
n-Butylbenzene	++++ 0.7434	0.7180 0.7602	0.7136 0.6584	0.6945	0.7147	Ave		0.7147				4.6		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.0999	0.0792 0.1027	0.0795 0.0960	0.0861	0.0960	Ave		0.0913			0.0500	10.6		20.0			
1,2,4,5-Tetramethylbenzene	++++ 1.5616	1.7362 1.2748	1.9188 1.0821	1.8594	1.7549	Ave		1.5983				19.6		20.0			
1,3,5-Trichlorobenzene	++++ 0.7216	0.6803 0.7069	0.7718 0.5809	0.7077	0.6782	Ave		0.6925				8.4		20.0			
1,2,4-Trichlorobenzene	++++ 0.6361	0.6584 0.6135	0.6812 0.5178	0.6264	0.6221	Ave		0.6222			0.2000	8.3		20.0			
Hexachlorobutadiene	++++ 0.2523	0.1958 0.2294	0.2288 0.1918	0.2272	0.2229	Ave		0.2212				9.5		20.0			
Naphthalene	++++ 1.3528	1.6098 1.1767	1.7519 1.0079	1.6024	1.4697	Ave		1.4245				18.5		20.0			
1,2,3-Trichlorobenzene	++++ 0.5657	0.5350 0.5402	0.6159 0.4477	0.5755	0.5632	Ave		0.5490				9.5		20.0			
Dibromofluoromethane (Surr)	0.1815 0.1790	0.1915 0.1833	0.1882 0.1760	0.1828	0.1818	Ave		0.1830				2.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.1930 0.1889	0.2010 0.1916	0.1985 0.1874	0.1977	0.1978	Ave		0.1945				2.6		20.0			
Toluene-d8 (Surr)	0.9632 0.9728	1.0212 0.9877	0.9781 0.9390	0.9751	0.9756	Ave		0.9766				2.4		20.0			
4-Bromofluorobenzene	0.3121 0.3160	0.3391 0.3447	0.3205 0.3268	0.3211	0.3238	Ave		0.3255				3.4		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570

SDG No.: _____

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-652570/3	043446.D
Level 2	STD05 460-652570/4	043447.D
Level 3	STD1 460-652570/5	043448.D
Level 4	STD5 460-652570/6	043449.D
Level 5	STD20 460-652570/7	043450.D
Level 6	STD50 460-652570/8	043451.D
Level 7	STD200 460-652570/9	043452.D
Level 8	STD500 460-652570/10	043453.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
Monochloropentafluoroethane	FB	QuaF	++++ 5863	++++ 24724	++++ 73255	108	627	++++ 50.0	++++ 200	++++ 500	5.00	20.0
Chlorotrifluoroethene	BUT	Ave	++++ 53605	360 236207	921 592420	4477	17504	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Difluoroethane	FB	Ave	++++ 83143	946 334906	1079 822576	8530	31633	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorodifluoromethane	FB	Ave	++++ 182246	1483 704239	2399 1875178	13482	51700	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorodifluoromethane	FB	Ave	++++ 28641	366 118317	521 294050	3049	12070	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chloromethane	FB	Ave	++++ 168743	1223 588436	1741 1545436	14025	57030	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Vinyl chloride	FB	Ave	++++ 164016	1365 616620	2892 1614359	14694	58737	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Butadiene	FB	Ave	599 135470	1085 534474	2297 1416813	13378	50883	0.250 50.0	0.500 200	1.00 500	5.00	20.0
Bromomethane	BUT	Ave	++++ 70897	635 220515	1337 ++++	5665	20146	++++ 50.0	0.500 200	1.00 ++++	5.00	20.0
Chloroethane	FB	Ave	++++ 96249	960 287911	2137 ++++	10125	36738	++++ 50.0	0.500 200	1.00 ++++	5.00	20.0
Dichlorofluoromethane	FB	Ave	++++ 233865	2150 839345	4350 2003772	23665	91490	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Trichlorofluoromethane	FB	Ave	++++ 204889	1655 721129	3729 2079763	20526	78239	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Pentane	FB	Ave	++++ 50520	569 195690	1031 437105	4758	17408	++++ 100	1.00 400	2.00 1000	10.0	40.0
Ethanol	TBAd 9	Ave	++++ 25685	219 98814	666 ++++	3017	10288	++++ 2000	20.0 8000	40.0 ++++	200	800
Ethyl ether	FB	Ave	++++ 99403	961 387775	2011 857855	10034	39969	++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570

SDG No.: _____

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

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
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	++++ 104714	819 425117	2251 968221	10223	38829	++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Methyl-1,3-butadiene	FB	Ave	++++ 107115	647 437221	1715 984627	9333	43110	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	++++ 171009	1589 681001	3753 1607864	19328	71838	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acrolein	TBAd 9	Ave	++++ 20927	326 54968	686 125576	3956	7834	++++ 100	2.00 200	4.00 400	20.0	40.0
1,1-Dichloroethene	FB	Ave	++++ 113859	1142 442246	2597 1141712	12245	47181	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 121123	1374 446345	2751 1060876	13094	50544	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acetone	BUT	Ave	++++ 48788	292 206772	766 435189	4173	15909	++++ 250	2.50 1000	5.00 2500	25.0	100
Iodomethane	FB	QuaF	++++ 57626	318 250708	691 549029	4070	19841	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropyl alcohol	TBAd 9	Ave	++++ 53327	572 213541	1410 ++++	6398	22385	++++ 500	5.00 2000	10.0 ++++	50.0	200
Carbon disulfide	FB	Ave	++++ 367114	3340 1473880	7598 3488909	34575	148082	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acetonitrile	TBAd 9	QuaF	++++ 37036	837 147596	1005 306984	4305	15586	++++ 500	5.00 2000	10.0 5000	50.0	200
Allyl chloride	FB	Ave	++++ 84699	1056 386416	1480 905644	8283	34664	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl acetate	TBAd 9	Ave	++++ 27112	272 122554	544 337326	2756	11730	++++ 100	1.00 400	2.00 1000	10.0	40.0
Cyclopentene	FB	Ave	++++ 321872	2962 1215621	6702 2771148	30163	124779	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methylene Chloride	FB	Ave	++++ 139955	1686 546692	3236 1329426	14706	56525	++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Methyl-2-propanol	TBAd 9	QuaF	++++ 73130	809 326848	2198 892708	8274	28326	++++ 500	5.00 2000	10.0 5000	50.0	200
Acrylonitrile	FB	Ave	1053 295456	2189 1306252	4733 3200169	28516	117415	2.00 500	5.00 2000	10.0 5000	50.0	200
trans-1,2-Dichloroethene	FB	Ave	++++ 135257	1059 529987	2764 1167070	13649	52433	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl tert-butyl ether	FB	Ave	++++ 333457	2544 1336749	6062 2985046	31532	132158	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Hexane	FB	Ave	++++ 140939	1406 545141	2769 1269440	12661	55341	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Dichloroethane	FB	Ave	++++ 219433	2100 890543	5026 2076749	22536	92895	++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570

SDG No.: _____

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

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
Vinyl acetate	BUT	Ave	++++ 33273	347 131201	597 476021	2596	11797	++++ 100	1.00 400	2.00 1000	10.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	++++ 136663	1062 529297	2248 1185404	12269	51509	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropyl ether	FB	Ave	++++ 396591	3549 1548615	7517 3298627	36851	156003	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tert-butyl ethyl ether	FB	Ave	++++ 362423	2862 1520014	6540 3340754	31584	136921	++++ 50.0	0.500 200	1.00 500	5.00	20.0
2,2-Dichloropropane	FB	Ave	++++ 36740	263 156277	759 380418	3464	14294	++++ 50.0	0.500 200	1.00 500	5.00	20.0
cis-1,2-Dichloroethene	FB	Ave	++++ 148529	1367 581828	3181 1345814	14978	59666	++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Butanone (MEK)	BUT	Ave	++++ 64905	489 260596	1382 600730	6010	23875	++++ 250	2.50 1000	5.00 2500	25.0	100
Propionitrile	TBAd 9	Ave	++++ 26256	289 107532	523 ++++	2600	10680	++++ 500	5.00 2000	10.0 ++++	50.0	200
Ethyl acetate	BUT	Ave	++++ 21772	237 92660	352 236511	1629	8054	++++ 100	1.00 400	2.00 1000	10.0	40.0
Methyl acrylate	FB	Ave	++++ 94506	784 403360	1607 1146859	8538	36739	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methacrylonitrile	FB	Ave	++++ 450084	3711 1714657	8062 3708536	44209	177843	++++ 500	5.00 2000	10.0 5000	50.0	200
Chlorobromomethane	FB	Ave	++++ 69762	751 266129	1400 599315	7445	28257	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tetrahydrofuran	BUT	Qua2	++++ 54118	719 217517	1173 530170	6045	22836	++++ 100	1.00 400	2.00 1000	10.0	40.0
Chloroform	FB	Ave	++++ 224232	2346 860565	5025 1968469	23096	92616	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,1-Trichloroethane	FB	Ave	++++ 191208	1488 754579	3966 1828940	19071	75129	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Cyclohexane	FB	Ave	++++ 194164	1598 740889	3584 1790438	17230	78092	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Carbon tetrachloride	FB	Ave	++++ 153009	1262 637746	3032 1598220	14268	58374	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Dichloropropene	FB	Ave	++++ 181612	1601 712339	3976 1703546	18654	75074	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isobutyl alcohol	TBAd 9	Ave	++++ 81931	553 378510	1434 1035506	6816	29725	++++ 1250	12.5 5000	25.0 12500	125	500
Benzene	CBNZ d5	Ave	++++ 541349	5017 2052701	11801 4454765	53979	222081	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloroethane	FB	Ave	++++ 168466	1873 652623	3926 1545603	17383	66315	++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570

SDG No.: _____

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

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
2,2,4-Trimethylpentane	FB	Ave	++++ 244551	2108 959590	4619 2289057	23078	92806	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropyl acetate	FB	Ave	++++ 39163	274 172183	618 430973	2755	13879	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tert-amyl methyl ether	FB	Ave	++++ 345088	2606 1420912	6113 3290625	29711	131928	++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Heptane	FB	Ave	++++ 95087	1106 360476	2175 868492	9204	37582	++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butanol	TBAd 9	Ave	++++ 61971	290 284491	954 767472	4557	21476	++++ 1250	12.5 5000	25.0 12500	125	500
Trichloroethene	FB	Ave	++++ 149983	1155 592899	3003 1351048	14689	59870	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl acrylate	FB	QuaF	++++ 135222	886 567626	1399 1481100	7976	43213	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methylcyclohexane	FB	Ave	++++ 190849	1628 745734	3450 1758898	19028	73127	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloropropane	FB	Ave	++++ 140688	1152 555217	2526 1344711	12997	54642	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dibromomethane	FB	Ave	++++ 79025	746 318206	1356 763422	8045	31115	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,4-Dioxane	DXE	Ave	++++ 30771	696 121093	1476 307307	3265	12959	++++ 1000	25.0 4000	50.0 10000	100	400
Methyl methacrylate	FB	Ave	++++ 65783	427 274810	1113 679738	5162	25082	++++ 100	1.00 400	2.00 1000	10.0	40.0
n-Propyl acetate	FB	Ave	++++ 129569	952 558551	2142 1362498	10298	49484	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorobromomethane	FB	Ave	++++ 172315	1509 699524	3311 1686697	16164	65075	++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Nitropropane	FB	Ave	++++ 35405	291 ++++	530 ++++	2559	11424	++++ 100	1.00 ++++	2.00 ++++	10.0	40.0
2-Chloroethyl vinyl ether	FB	QuaF	++++ 31990	127 86645	569 232243	3168	12662	++++ 50.1	0.501 200	1.00 501	5.01	20.0
Epichlorohydrin	BUT	Ave	597 165530	1313 576272	2953 1399726	15546	64828	5.00 1000	10.0 4000	20.0 10000	100	400
cis-1,3-Dichloropropene	CBNZ d5	Ave	++++ 213510	1364 869500	2893 2098945	17696	78023	++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	++++ 427551	3237 1686384	7872 3946592	39436	170890	++++ 250	2.50 1000	5.00 2500	25.0	100
Toluene	CBNZ d5	Ave	++++ 588017	6226 2210816	13261 4766953	59624	240961	++++ 50.0	0.500 200	1.00 500	5.00	20.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	++++ 176159	1261 756638	2368 1876989	12632	64265	++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570

SDG No.: _____

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

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
Ethyl methacrylate	CBNZ d5	Ave	++++ 141422	773 593744	1976 1479505	11326	53450	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2-Trichloroethane	CBNZ d5	Ave	++++ 96930	796 387672	1963 959851	8992	38619	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tetrachloroethene	CBNZ d5	Ave	++++ 151474	1405 598190	3308 1435138	14953	59656	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3-Dichloropropane	CBNZ d5	Ave	++++ 200464	1692 808134	3630 1982337	18914	79914	++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Hexanone	BUT	Ave	++++ 313482	2030 1224618	5808 2829657	28713	119654	++++ 250	2.50 1000	5.00 2500	25.0	100
Chlorodibromomethane	CBNZ d5	Ave	++++ 128071	855 559253	1839 1421854	10114	46569	++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butyl acetate	CBNZ d5	Ave	++++ 143278	903 605436	2397 1506065	12185	52890	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethylene Dibromide	CBNZ d5	Ave	++++ 121582	1093 489361	1916 1210291	10608	46280	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorobenzene	CBNZ d5	Ave	++++ 399764	3756 1560327	8089 3603044	40283	159779	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	++++ 129846	889 567158	1979 1426814	10565	49166	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethylbenzene	CBNZ d5	Ave	++++ 209955	1789 856002	4215 2054250	19955	83485	++++ 50.0	0.500 200	1.00 500	5.00	20.0
m-Xylene & p-Xylene	CBNZ d5	Ave	++++ 252911	2344 1032128	5417 2479117	25313	100940	++++ 50.0	0.500 200	1.00 500	5.00	20.0
o-Xylene	CBNZ d5	Ave	++++ 250416	2238 1011304	5257 2406292	24113	98111	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Styrene	CBNZ d5	Ave	++++ 426858	3023 1672370	7921 3746414	40063	169905	++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butyl acrylate	CBNZ d5	Lin2	++++ 83222	401 351929	1184 875644	6277	30277	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromoform	CBNZ d5	Ave	++++ 79751	607 365568	999 937805	5776	26998	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Amyl acetate (mixed isomers)	DCBd 4	Lin2	++++ 178316	901 703831	2381 1731924	14504	67217	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropylbenzene	CBNZ d5	Ave	++++ 603081	5461 2339004	12541 5130186	58328	240890	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromobenzene	DCBd 4	Ave	++++ 180452	1554 703661	3431 1656148	17524	70988	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	++++ 138384	1144 546246	2790 1408048	12945	53659	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trichloropropane	DCBd 4	Ave	++++ 42528	408 176434	870 435282	4236	16565	++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570

SDG No.: _____

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

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
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	++++ 29995	185 138412	447 366930	2591	11657	++++ 50.0	0.500 200	1.00 500	5.00	20.0
N-Propylbenzene	DCBd 4	Ave	++++ 666552	6296 2625225	13435 5975659	65993	266425	++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Chlorotoluene	DCBd 4	Ave	++++ 451036	4165 1740022	9433 3930607	44769	180459	++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Ethyltoluene	DCBd 4	Ave	++++ 591620	5187 2336299	11201 5211847	55940	229806	++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Chlorotoluene	DCBd 4	Ave	++++ 443229	4124 1673427	10798 3427943	45497	178985	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	++++ 490489	4193 1951640	9489 4275012	46383	192812	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Butyl Methacrylate	DCBd 4	QuaF	++++ 161476	823 681912	1875 1667827	11156	56855	++++ 50.0	0.500 200	1.00 500	5.00	20.0
tert-Butylbenzene	DCBd 4	Ave	++++ 409723	3610 1607023	8478 3656668	40099	160319	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	++++ 491030	4046 1987359	9556 4339001	44023	190721	++++ 50.0	0.500 200	1.00 500	5.00	20.0
sec-Butylbenzene	DCBd 4	Ave	++++ 536787	4816 2097342	10816 4626074	52636	211275	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3-Dichlorobenzene	DCBd 4	Ave	++++ 318513	2931 1249361	6576 2795006	31914	126369	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,4-Dichlorobenzene	DCBd 4	Ave	++++ 323672	3041 1267937	7145 2756757	32172	128176	++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Isopropyltoluene	DCBd 4	Ave	++++ 459504	3769 1855350	9131 3979464	42608	180117	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	++++ 516802	4260 2056905	9227 4316701	45485	194688	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Benzyl chloride	DCBd 4	QuaF	++++ 35991	158 185451	346 484579	2057	10917	++++ 50.0	0.500 200	1.00 500	5.00	20.0
Indan	DCBd 4	Ave	++++ 563952	5060 2115114	11341 4289137	53801	221376	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichlorobenzene	DCBd 4	Ave	++++ 317247	2668 1215370	6500 2598070	30961	127837	++++ 50.0	0.500 200	1.00 500	5.00	20.0
p-Diethylbenzene	DCBd 4	Ave	++++ 241130	2028 1013873	4253 2261514	21664	88236	++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butylbenzene	DCBd 4	Ave	++++ 196170	1676 811988	3527 1824201	17560	73936	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	++++ 26361	185 109724	393 265883	2176	9929	++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	++++ 412098	4053 1361586	9484 2997886	47011	181552	++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1 Analy Batch No.: 652570

SDG No.: _____

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2019 08:25 Calibration End Date: 11/04/2019 11:24 Calibration ID: 77398

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
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 190431	1588 755036	3815 1609342	17893	70165	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 167863	1537 655276	3367 1434471	15837	64353	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 66576	457 244978	1131 531391	5744	23057	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Naphthalene	DCBd 4	Ave	+++++ 356976	3758 1256833	8659 2792450	40514	152041	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 149291	1249 577019	3044 1240286	14550	58265	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dibromofluoromethane (Surr)	FB	Ave	100477 107583	103761 108529	106860 109317	105237	107755	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	106854 113524	108898 113392	112713 116362	113818	117207	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	418175 453096	429148 465296	433806 478583	436450	449028	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	135498 147166	142489 162402	142133 166539	143701	149029	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D
 Lims ID: STD8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 04-Nov-2019 08:25:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD8
 Misc. Info.: 460-0100553-003
 Operator ID: Instrument ID: CVOAMS12
 Sublist: chrom-8260W_12*sub26
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 05-Nov-2019 10:02:43 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0339

First Level Reviewer: tupayachia

Date: 04-Nov-2019 11:20:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Butadiene	54	1.050	1.043	0.007	92	599	0.2500	0.2479	
* 31 TBA-d9 (IS)	65	2.008	2.008	0.000	98	128051	1000.0	1000.0	
33 Acrylonitrile	53	2.144	2.144	0.000	84	1053	2.00	1.98	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	99	175725	250.0	250.0	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	100477	50.0	49.6	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.574	3.574	0.000	0	106854	50.0	49.6	
* 65 Fluorobenzene	96	3.903	3.903	0.000	98	553720	50.0	50.0	
* 72 1,4-Dioxane-d8	96	4.610	4.611	0.000	0	27092	1000.0	1000.0	
80 Epichlorohydrin	57	5.240	5.240	0.000	24	597	5.00	4.61	a
\$ 83 Toluene-d8 (Surr)	98	5.647	5.647	0.000	100	418175	50.0	49.3	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	85	434162	50.0	50.0	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	92	135498	50.0	47.9	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	96	239990	50.0	50.0	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00339	Amount Added: 2.50	Units: uL	
524freon_00013	Amount Added: 0.00	Units: uL	
8260MIX1COMB_00107	Amount Added: 0.00	Units: uL	
ACROLEIN W_00097	Amount Added: 0.00	Units: uL	
14DIOXINTER_00106	Amount Added: 0.00	Units: uL	
GAS Hi_00330	Amount Added: 0.00	Units: uL	
8FreonHi_00010	Amount Added: 0.00	Units: uL	
MIX 2 Hi_00090	Amount Added: 0.00	Units: uL	
MIX I Hi_00118	Amount Added: 0.00	Units: uL	
ACRY/EPIH MIX_00066	Amount Added: 20.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: STD8

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

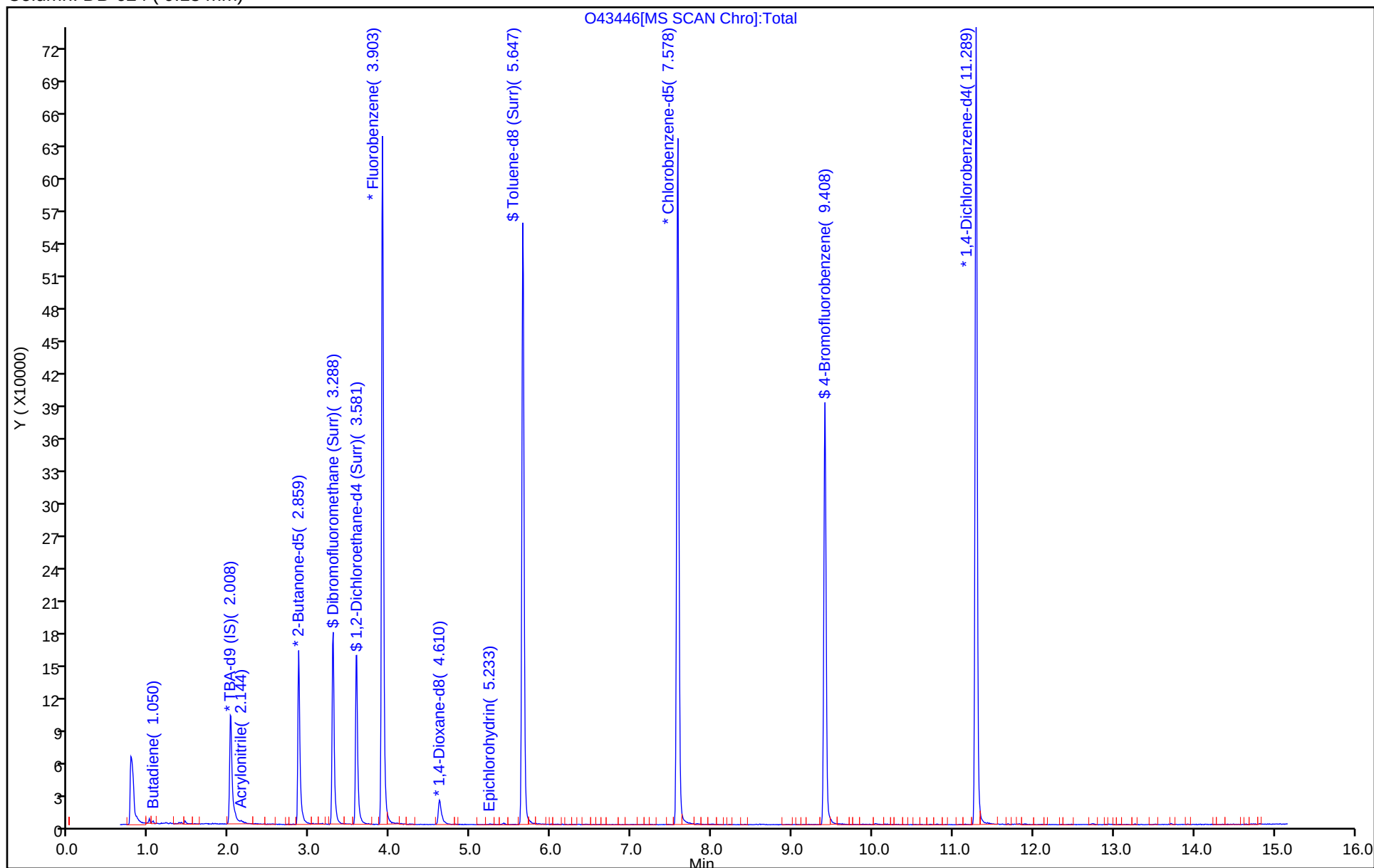
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

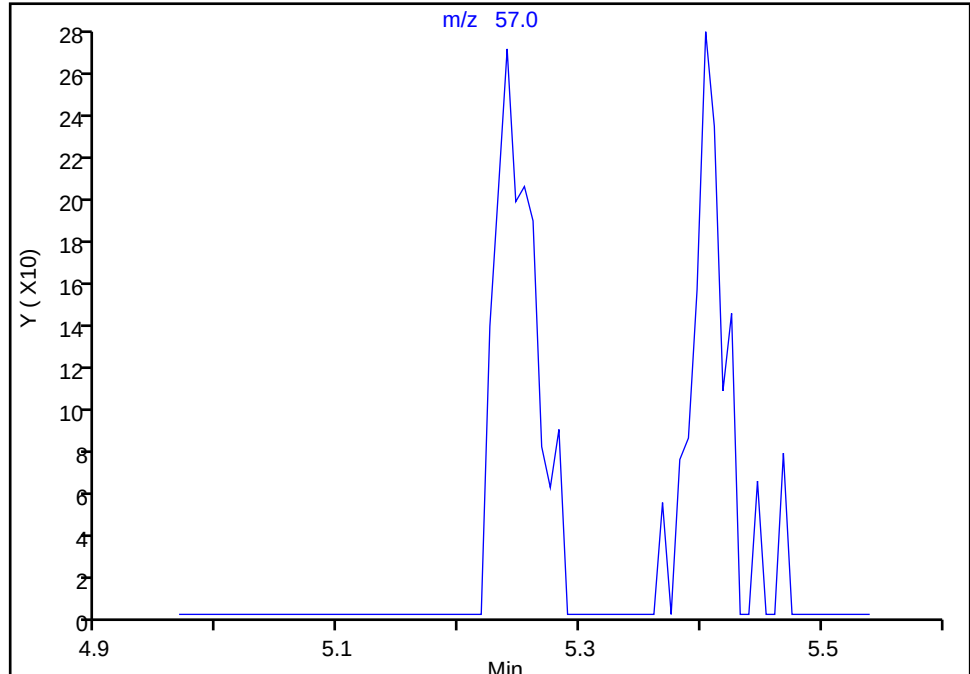
80 Epichlorohydrin, CAS: 106-89-8

Signal: 1

Not Detected

Expected RT: 5.24

Processing Integration Results



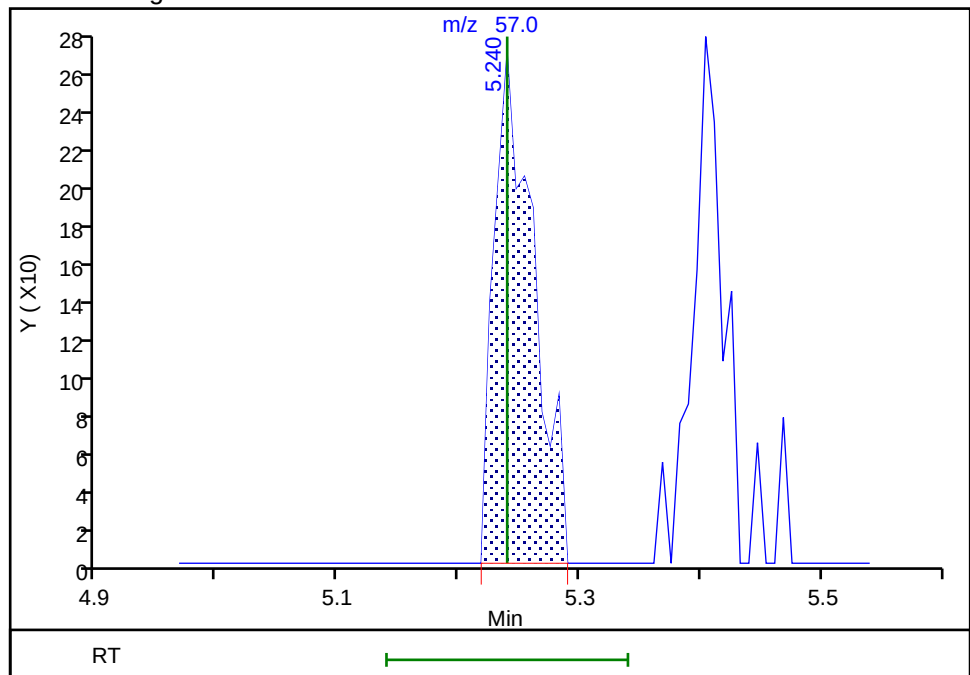
RT: 5.24

Area: 597

Amount: 4.606867

Amount Units: ug/l

Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 11:19:56

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

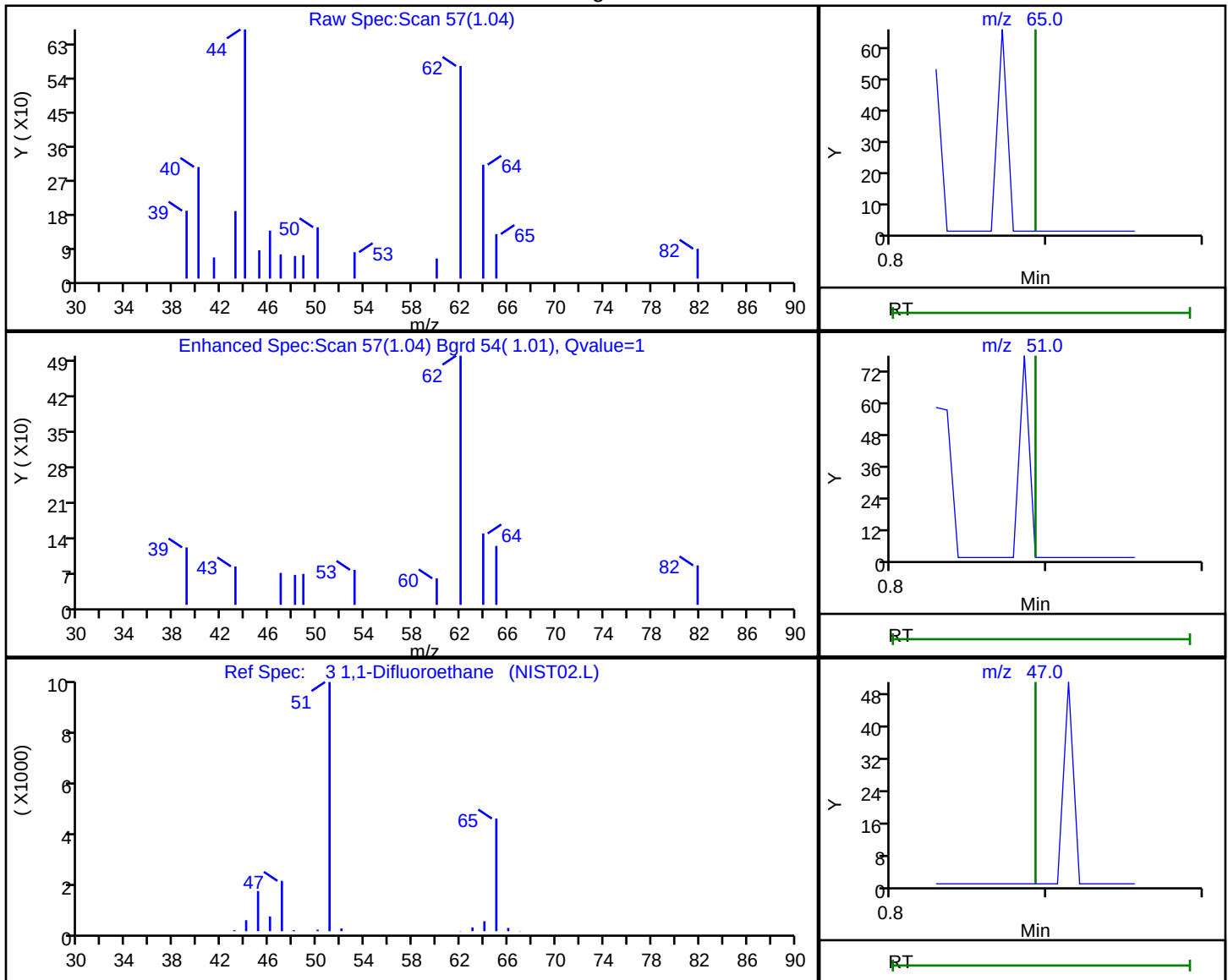
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

3 1,1-Difluoroethane, CAS: 75-37-6

Processing Results



RT	Mass	Response	Amount
1.04	65.00	87	0.063698
1.04	51.00	97	
1.03	47.00	78	

Reviewer: tupayachia, 04-Nov-2019 11:17:52

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

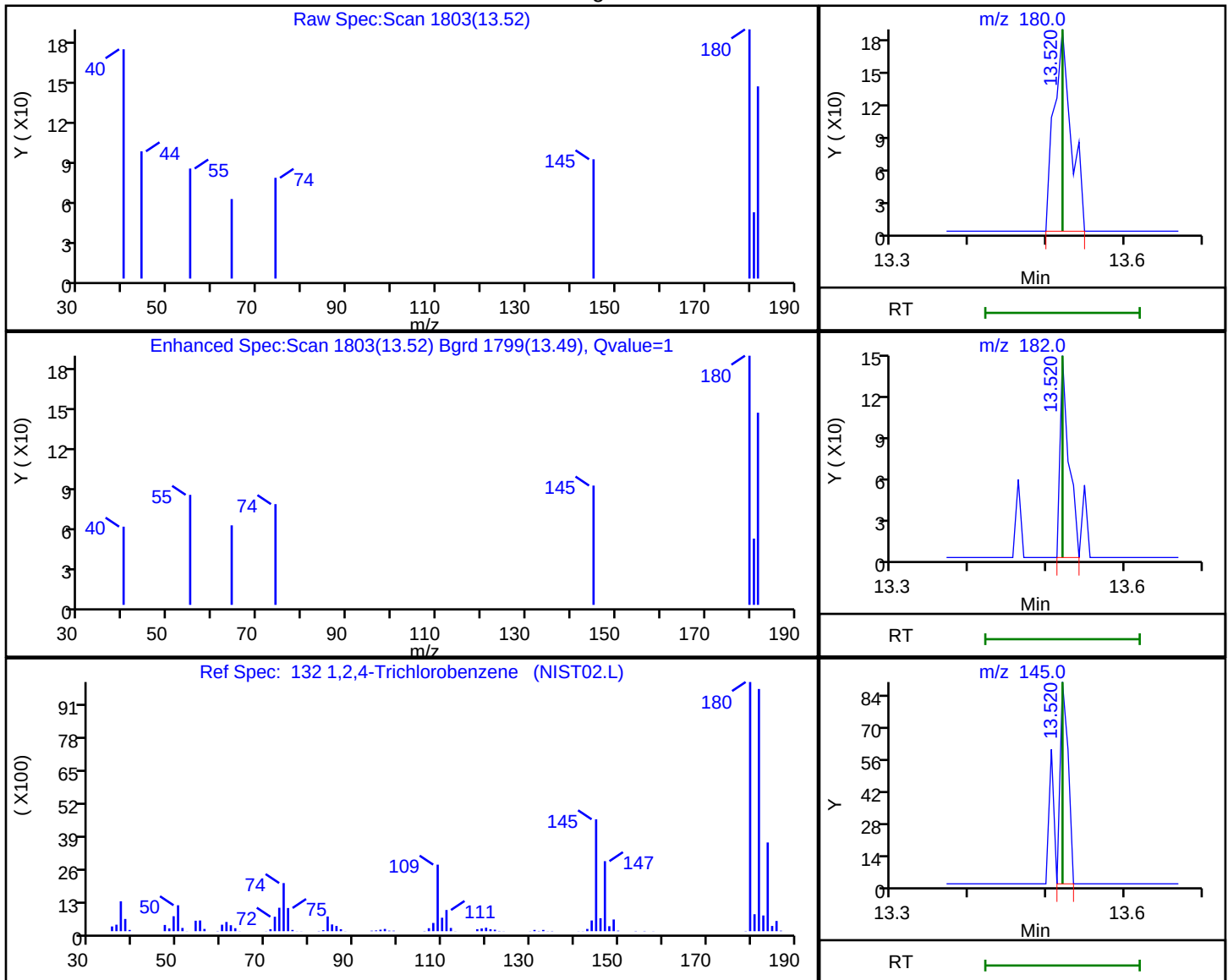
Column: DB-624 (0.18 mm)

Detector

MS SCAN

132 1,2,4-Trichlorobenzene, CAS: 120-82-1

Processing Results



RT	Mass	Response	Amount
13.52	180.00	288	0.093051
13.52	182.00	114	
13.52	145.00	64	

Reviewer: tupayachia, 04-Nov-2019 11:19:33

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

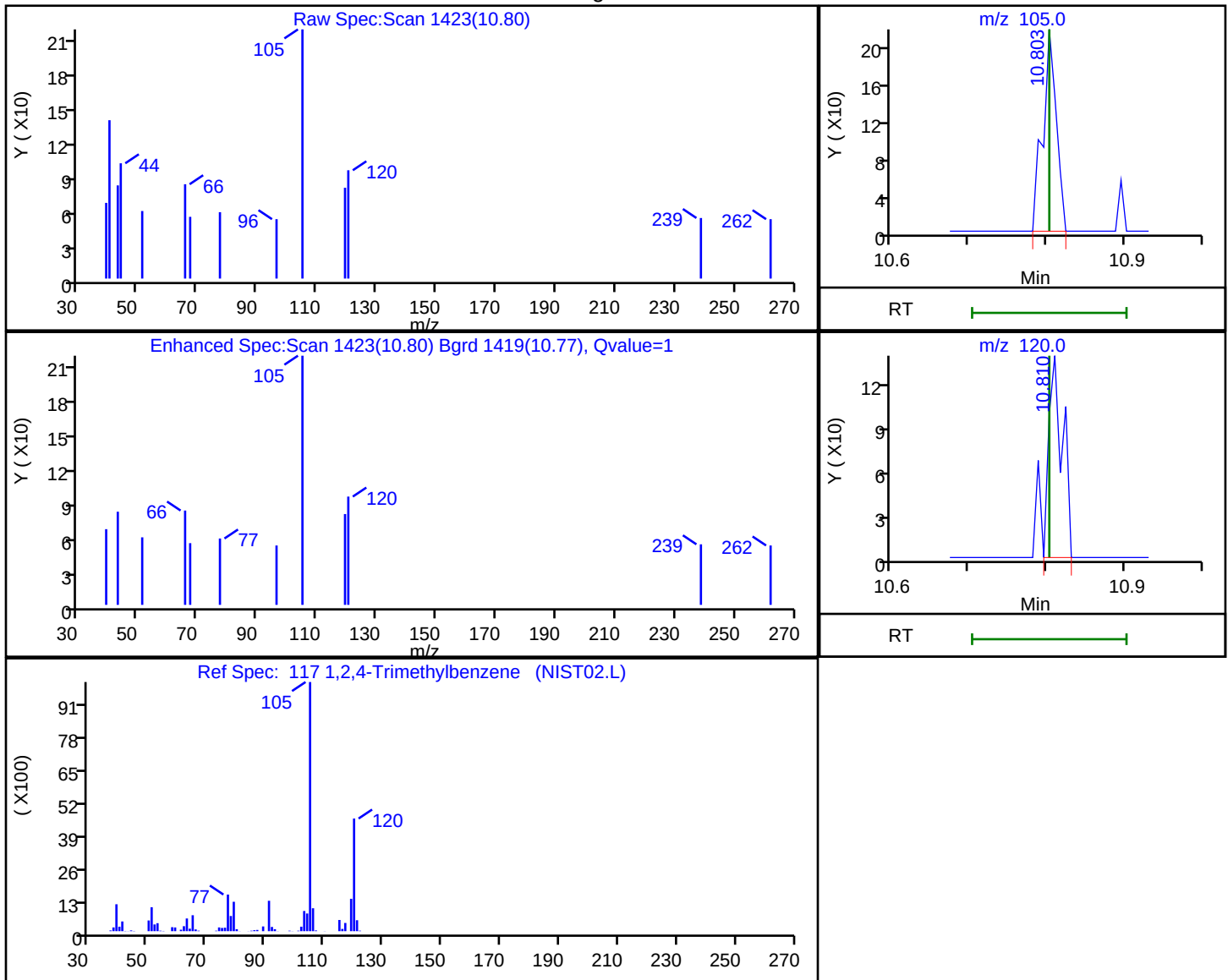
Column: DB-624 (0.18 mm)

Detector

MS SCAN

117 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
10.80	105.00	260	0.029724
10.81	120.00	162	

Reviewer: tupayachia, 04-Nov-2019 11:19:07

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

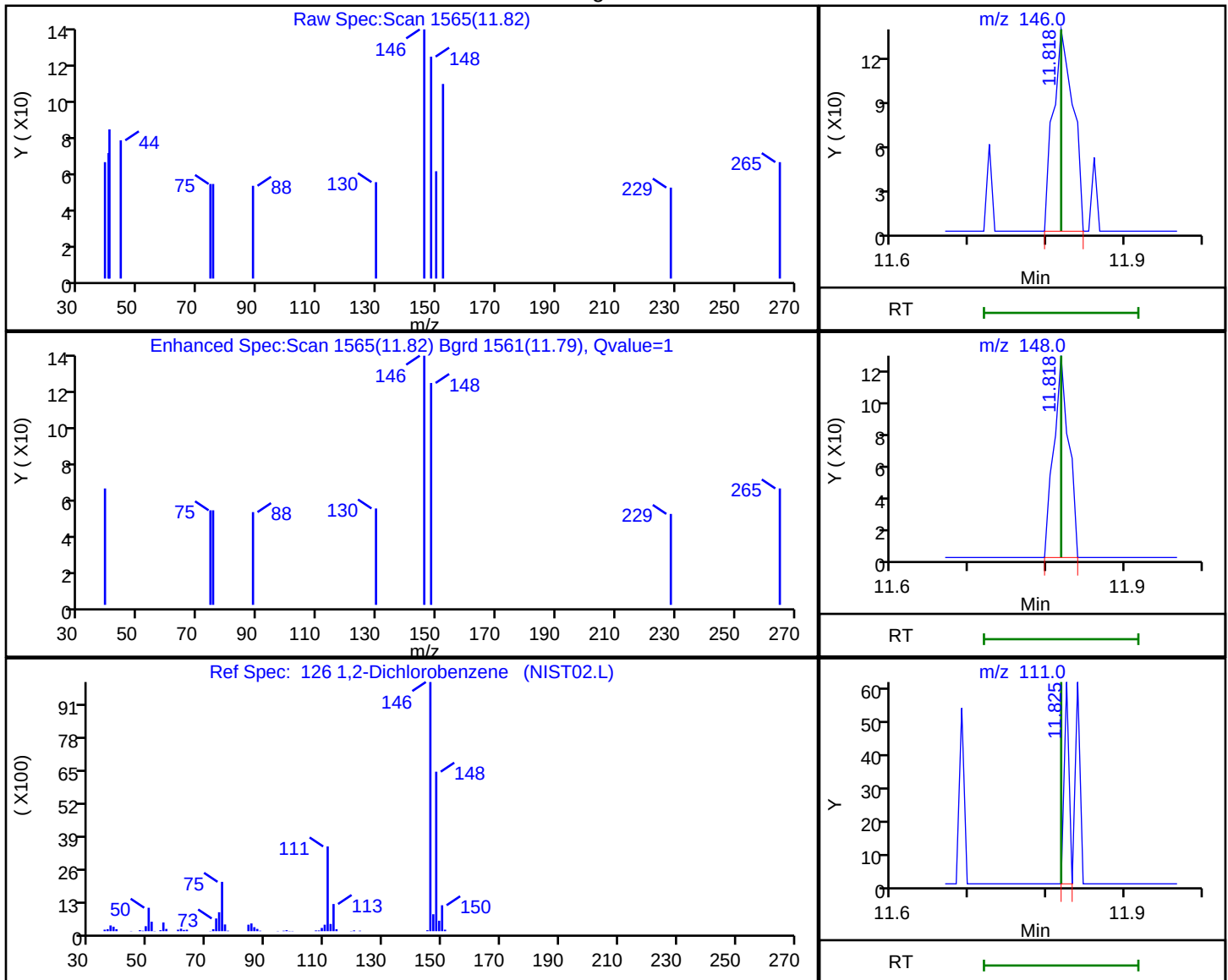
Column: DB-624 (0.18 mm)

Detector

MS SCAN

126 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
11.82	146.00	244	0.041529
11.82	148.00	163	
11.83	111.00	27	

Reviewer: tupayachia, 04-Nov-2019 11:19:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

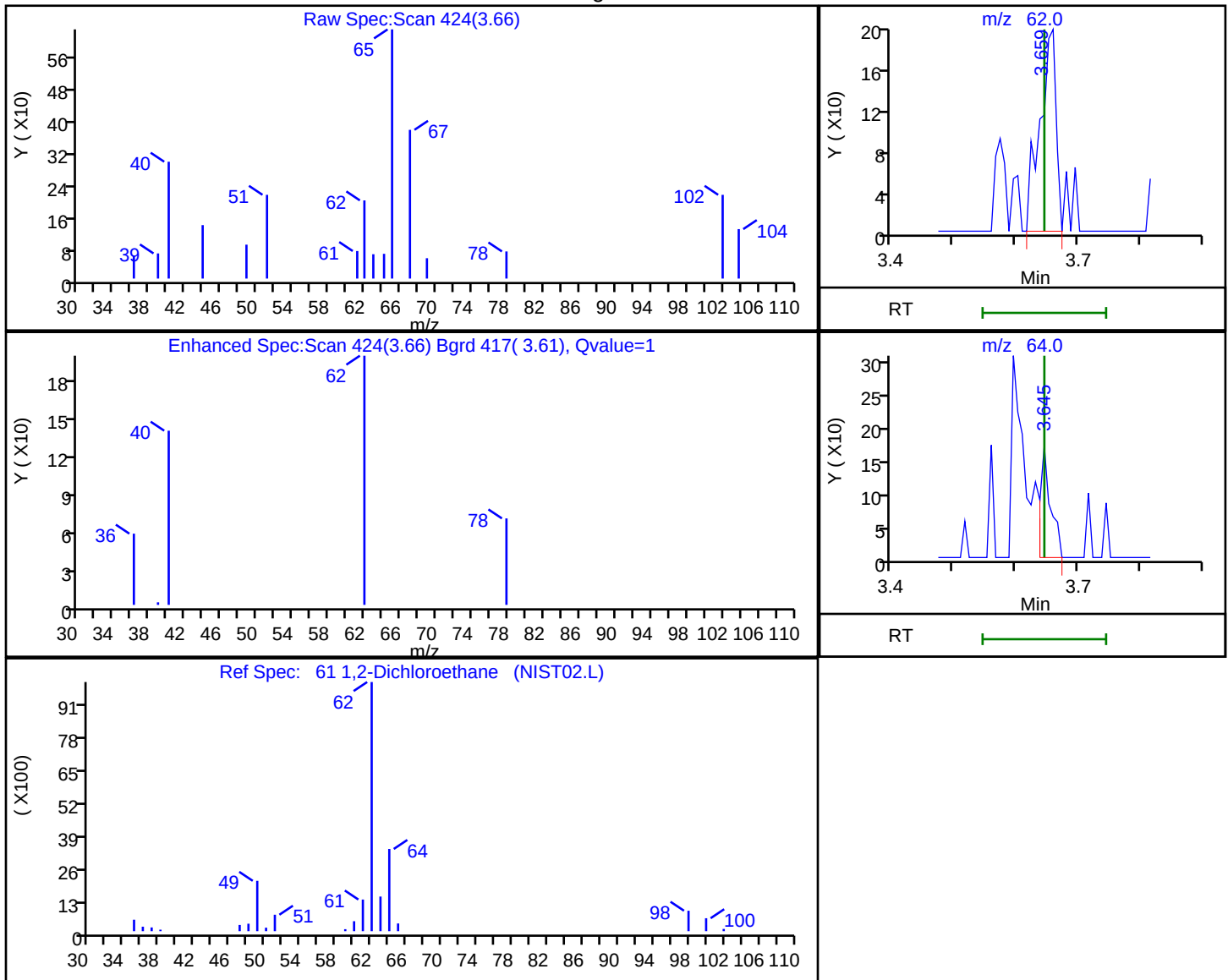
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

61 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
3.66	62.00	356	0.103468
3.65	64.00	195	

Reviewer: tupayachia, 04-Nov-2019 11:18:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

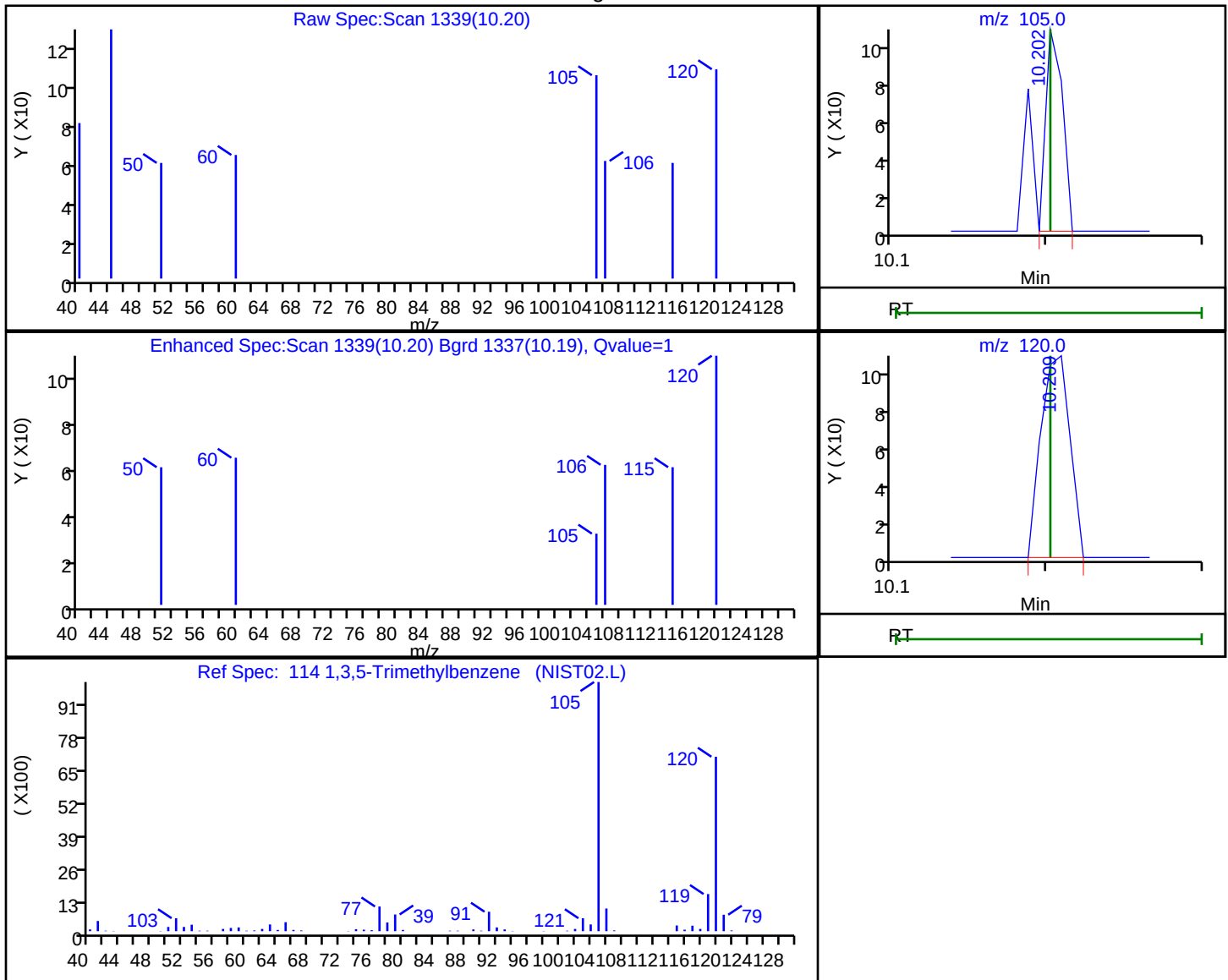
Column: DB-624 (0.18 mm)

Detector

MS SCAN

114 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
10.20	105.00	76	0.008538
10.21	120.00	142	

Reviewer: tupayachia, 04-Nov-2019 11:19:02

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

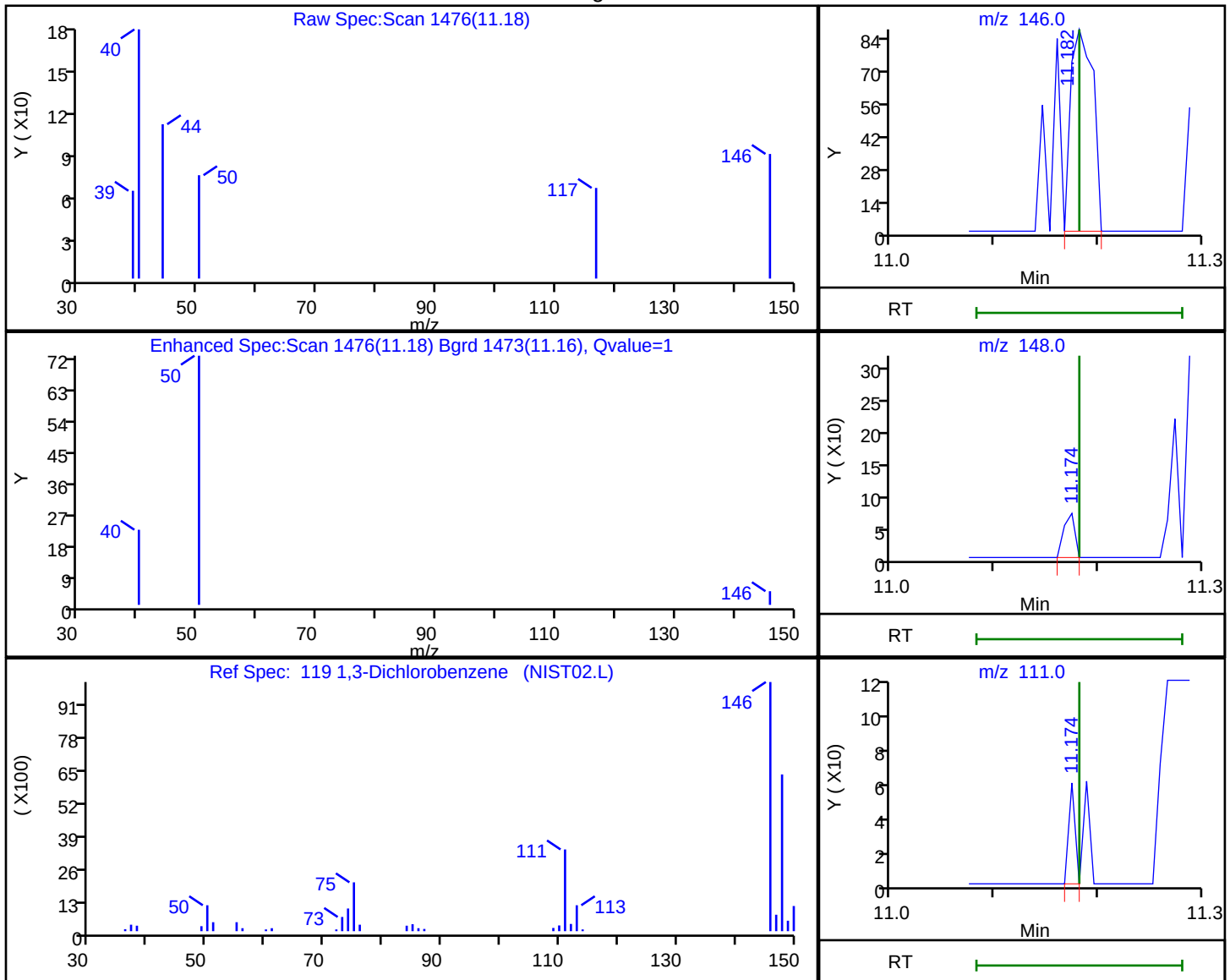
Column: DB-624 (0.18 mm)

Detector

MS SCAN

119 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
11.18	146.00	132	0.021907
11.17	148.00	52	
11.17	111.00	25	

Reviewer: tupayachia, 04-Nov-2019 11:19:21

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

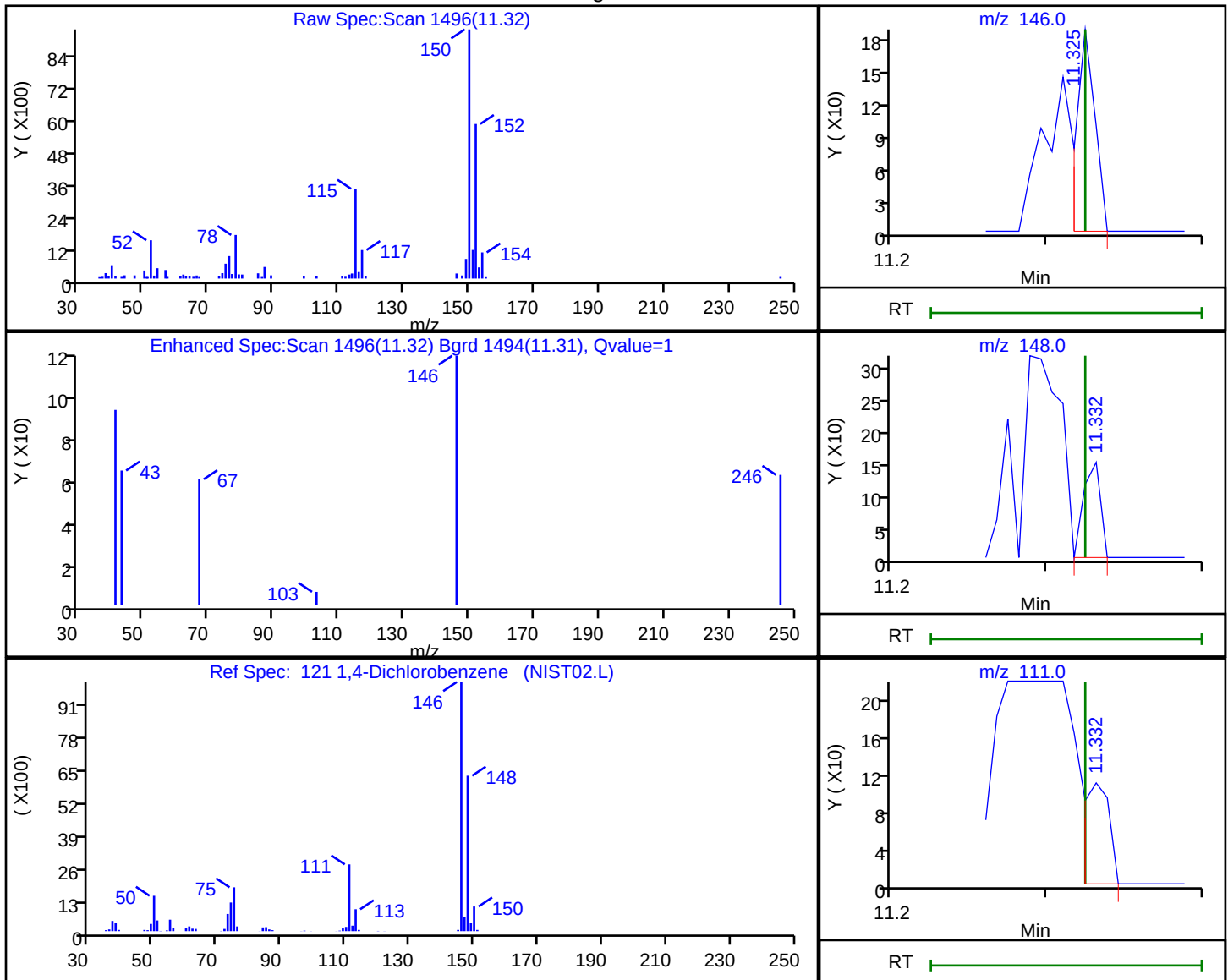
Column: DB-624 (0.18 mm)

Detector

MS SCAN

121 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
11.32	146.00	157	0.025215
11.33	148.00	115	
11.33	111.00	125	

Reviewer: tupayachia, 04-Nov-2019 11:19:23

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

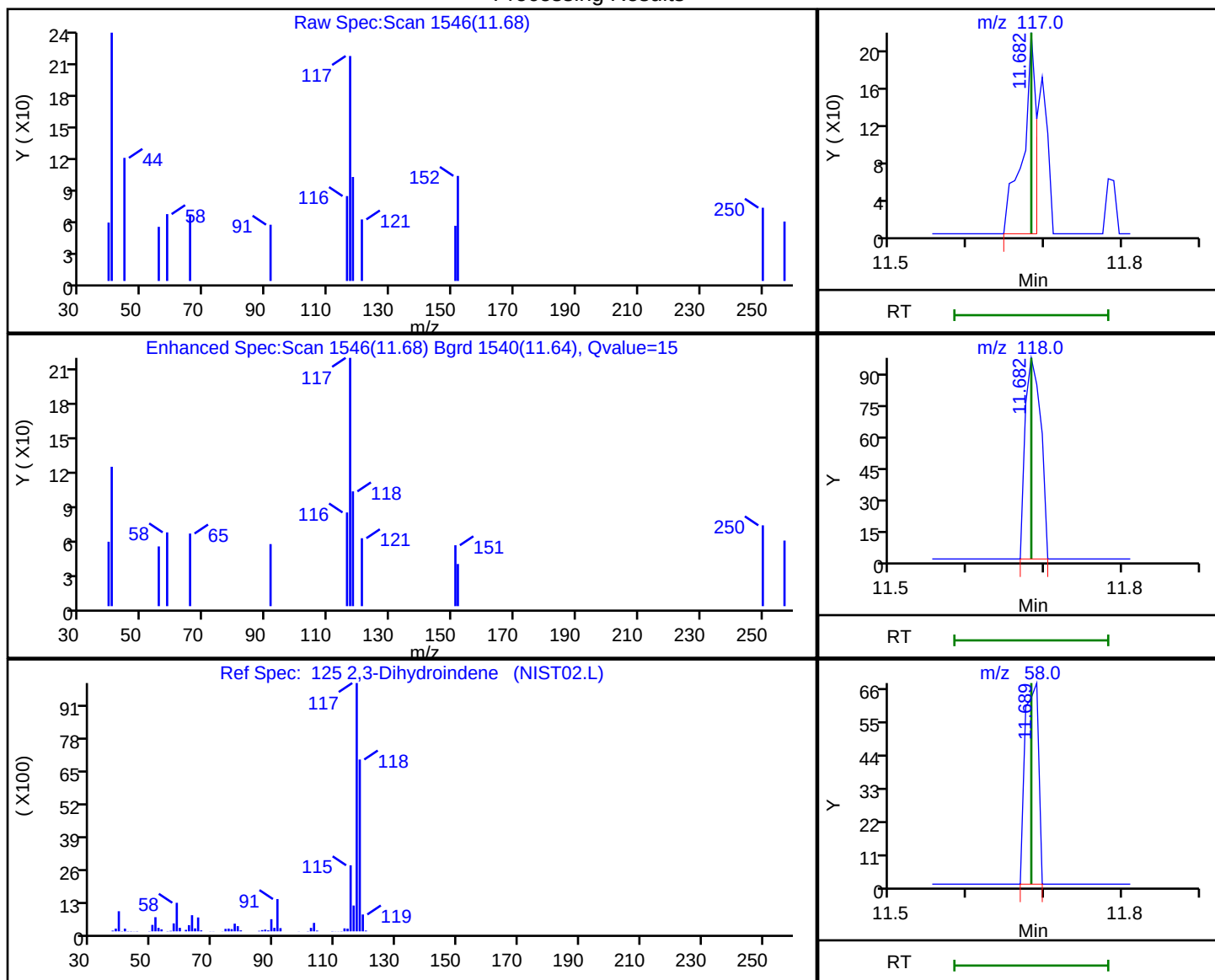
Column: DB-624 (0.18 mm)

Detector

MS SCAN

125 2,3-Dihydroindene, CAS: 496-11-7

Processing Results



RT	Mass	Response	Amount
11.68	117.00	257	0.024636
11.68	118.00	137	
11.69	58.00	82	

Reviewer: tupayachia, 04-Nov-2019 11:19:29

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

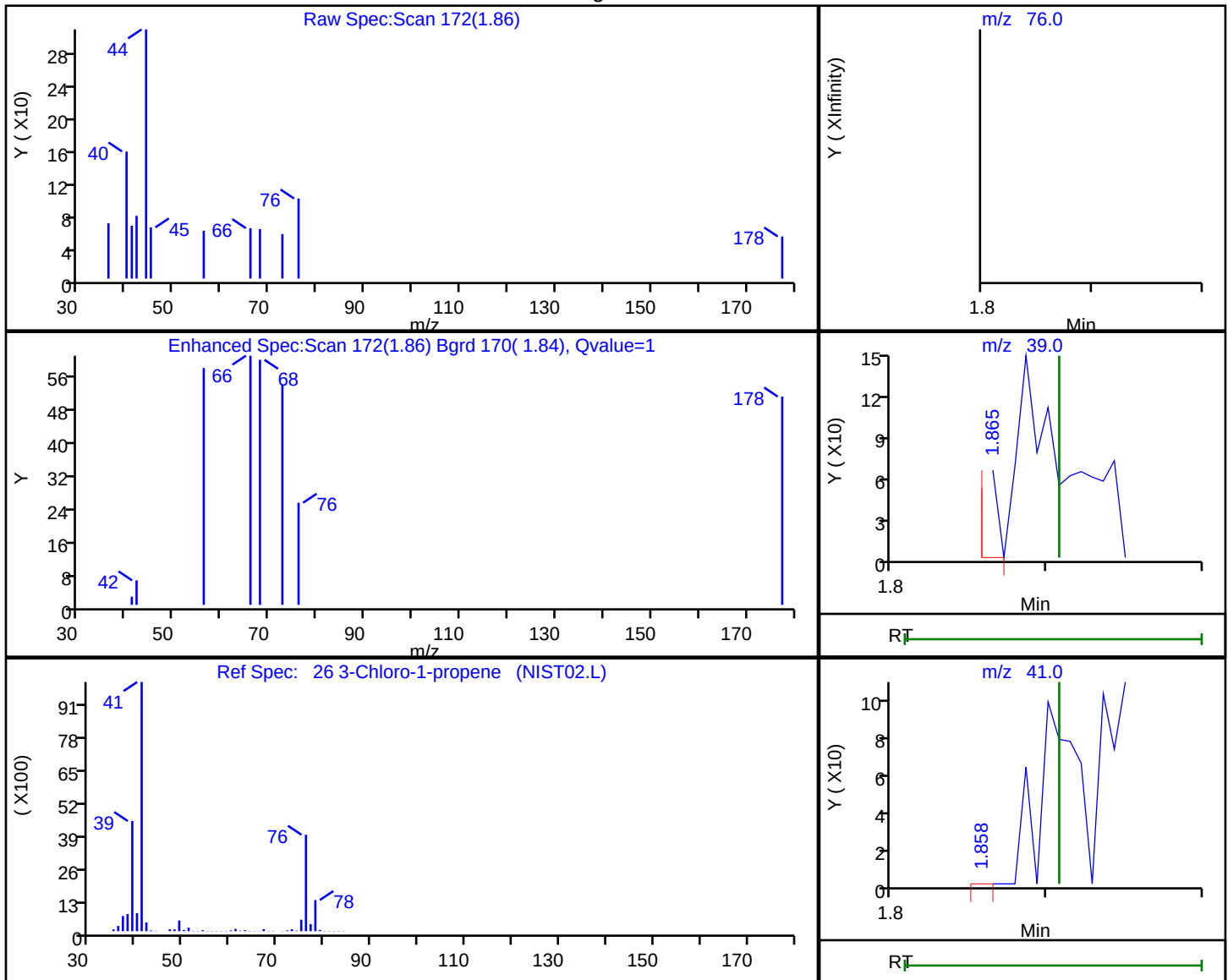
Column: DB-624 (0.18 mm)

Detector

MS SCAN

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
1.86	76.00	42	0.025073
1.86	39.00	27	
1.86	41.00	27	

Reviewer: tupayachia, 04-Nov-2019 11:18:32

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

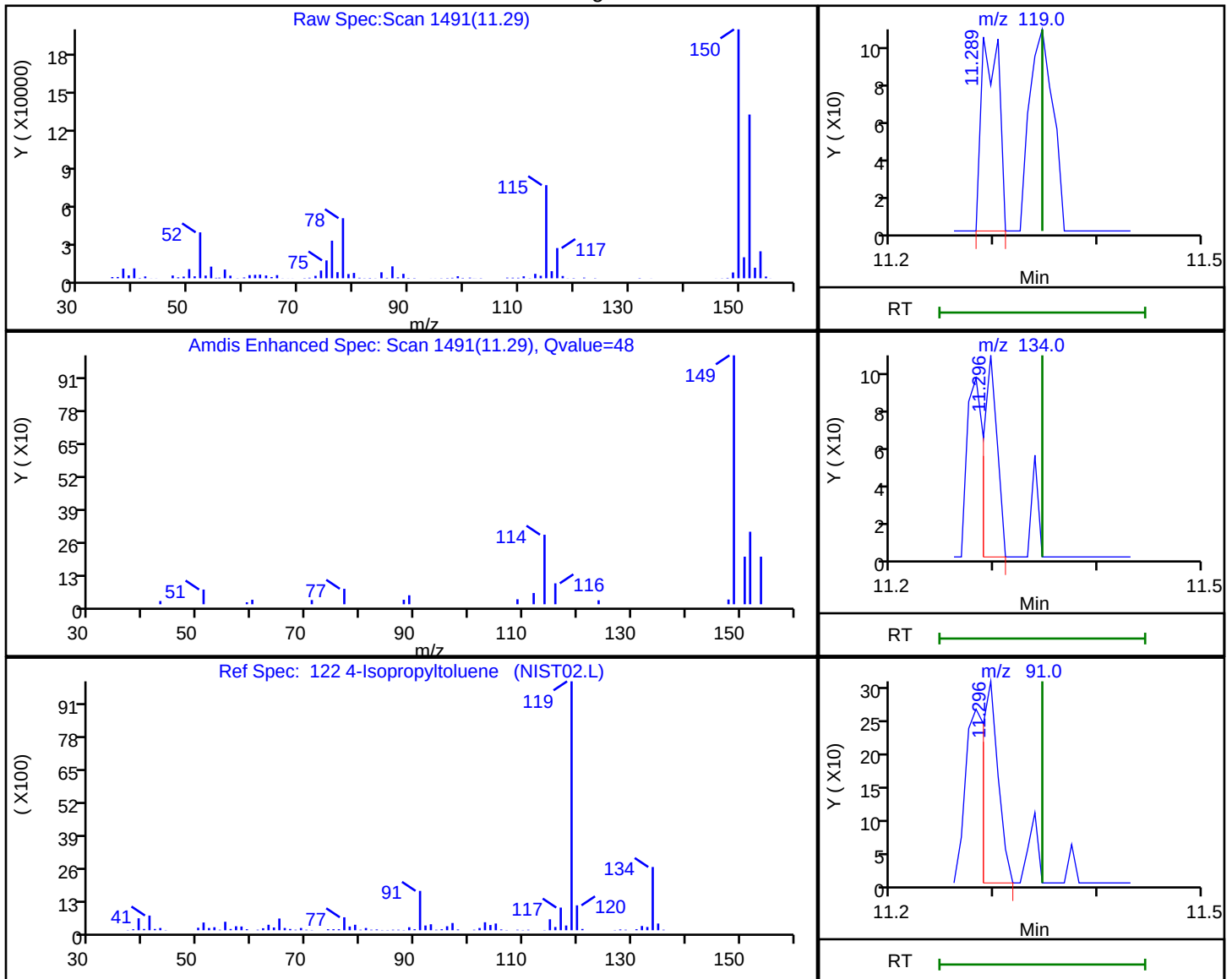
Column: DB-624 (0.18 mm)

Detector

MS SCAN

122 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
11.29	119.00	119	0.014365
11.30	134.00	95	
11.30	91.00	324	

Reviewer: tupayachia, 04-Nov-2019 11:19:25

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

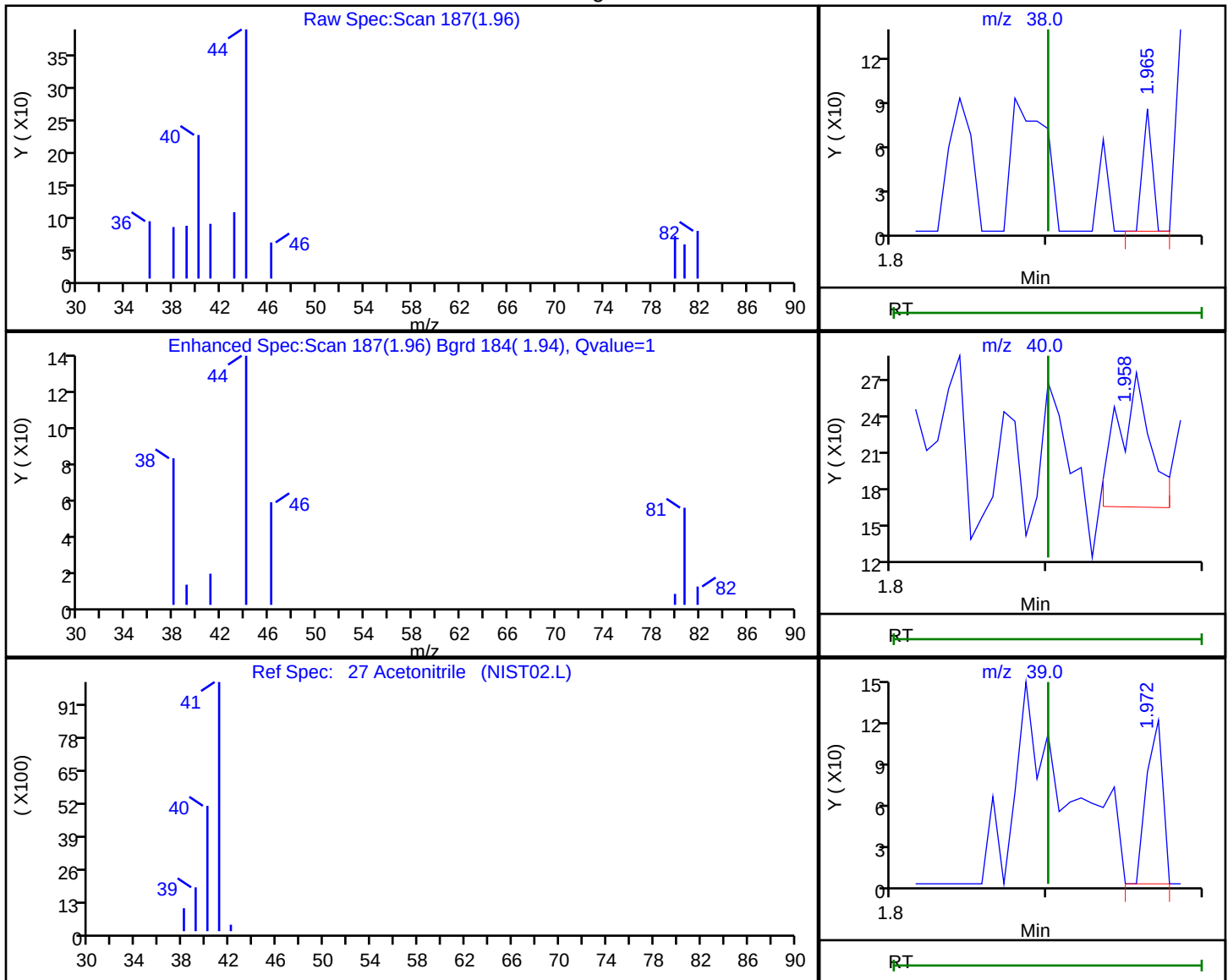
Column: DB-624 (0.18 mm)

Detector

MS SCAN

27 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
1.96	38.00	34	0.483358
1.96	40.00	162	
1.97	39.00	87	
1.95	41.00	278	

Reviewer: tupayachia, 04-Nov-2019 11:18:31

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

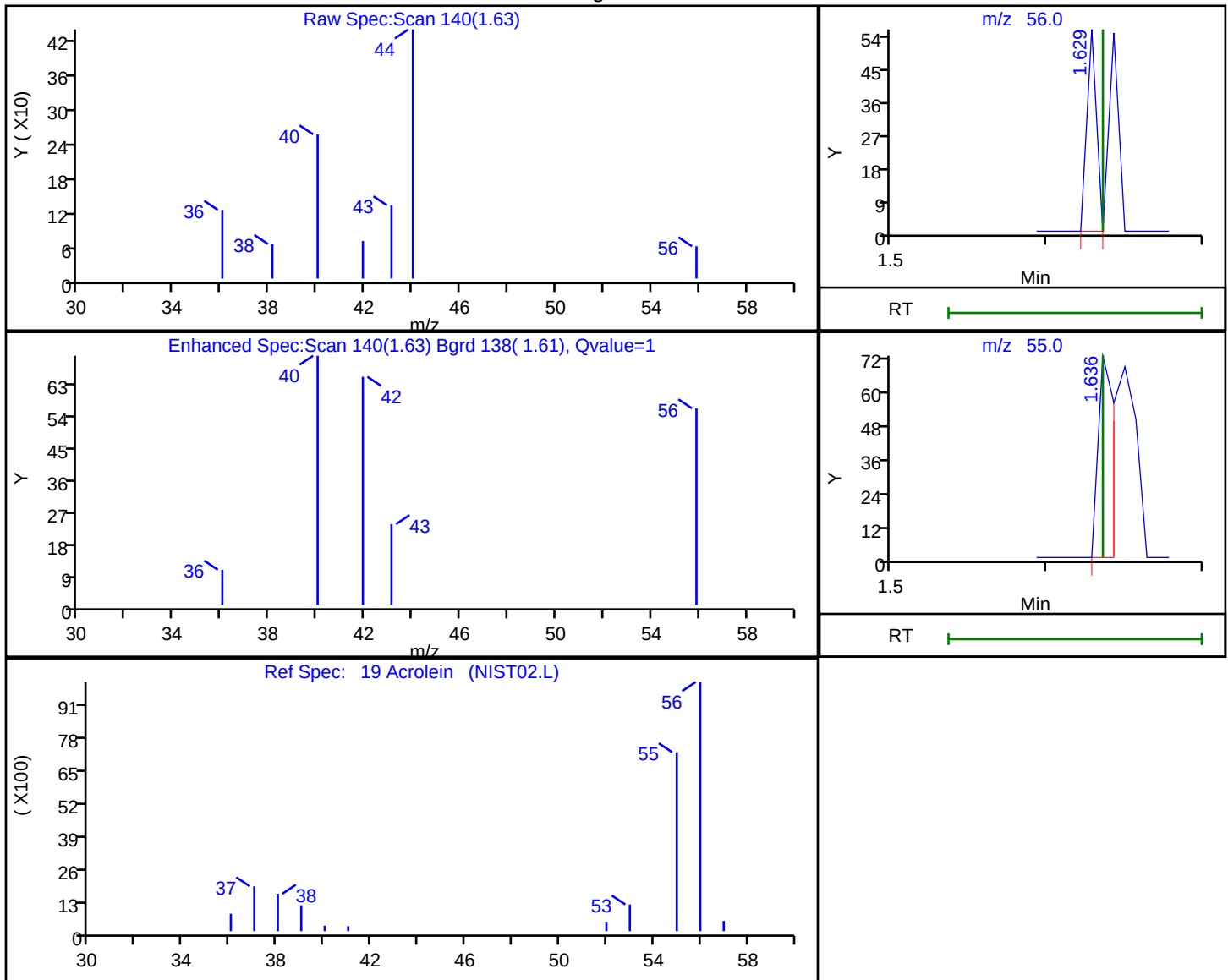
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

19 Acrolein, CAS: 107-02-8

Processing Results



RT	Mass	Response	Amount
1.63	56.00	24	0.144722
1.64	55.00	55	

Reviewer: tupayachia, 04-Nov-2019 11:18:27

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

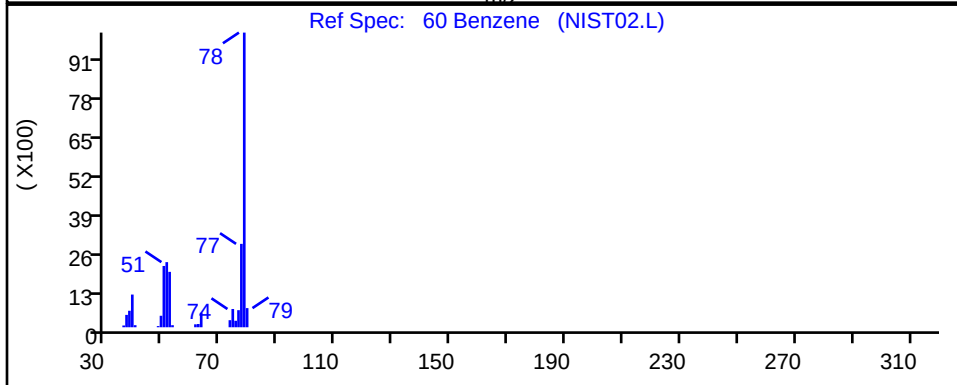
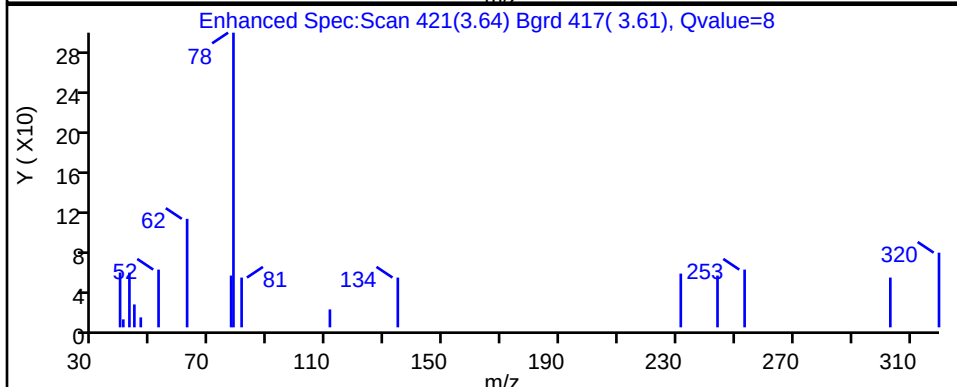
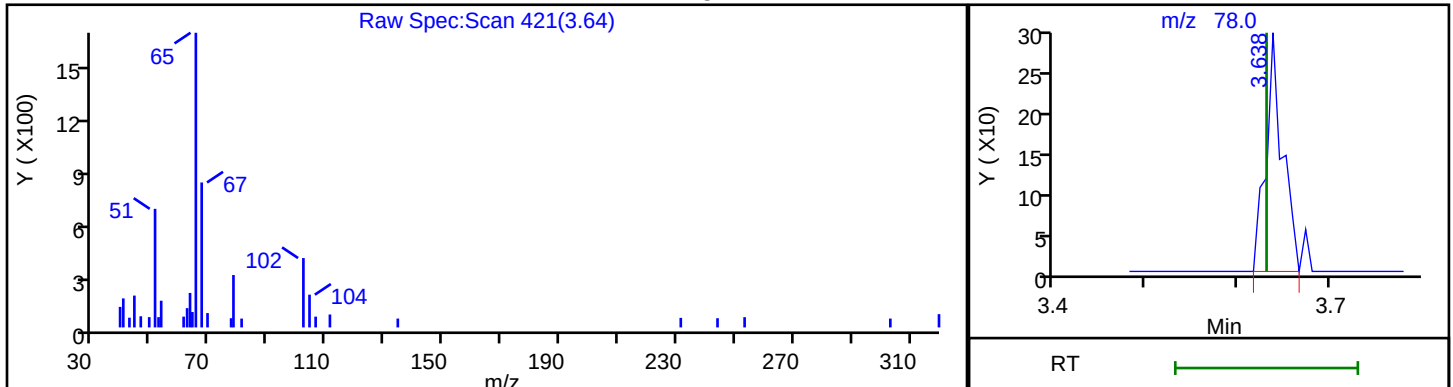
Column: DB-624 (0.18 mm)

Detector

MS SCAN

60 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
3.64	78.00	372	0.035122

Reviewer: tupayachia, 04-Nov-2019 11:18:41

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

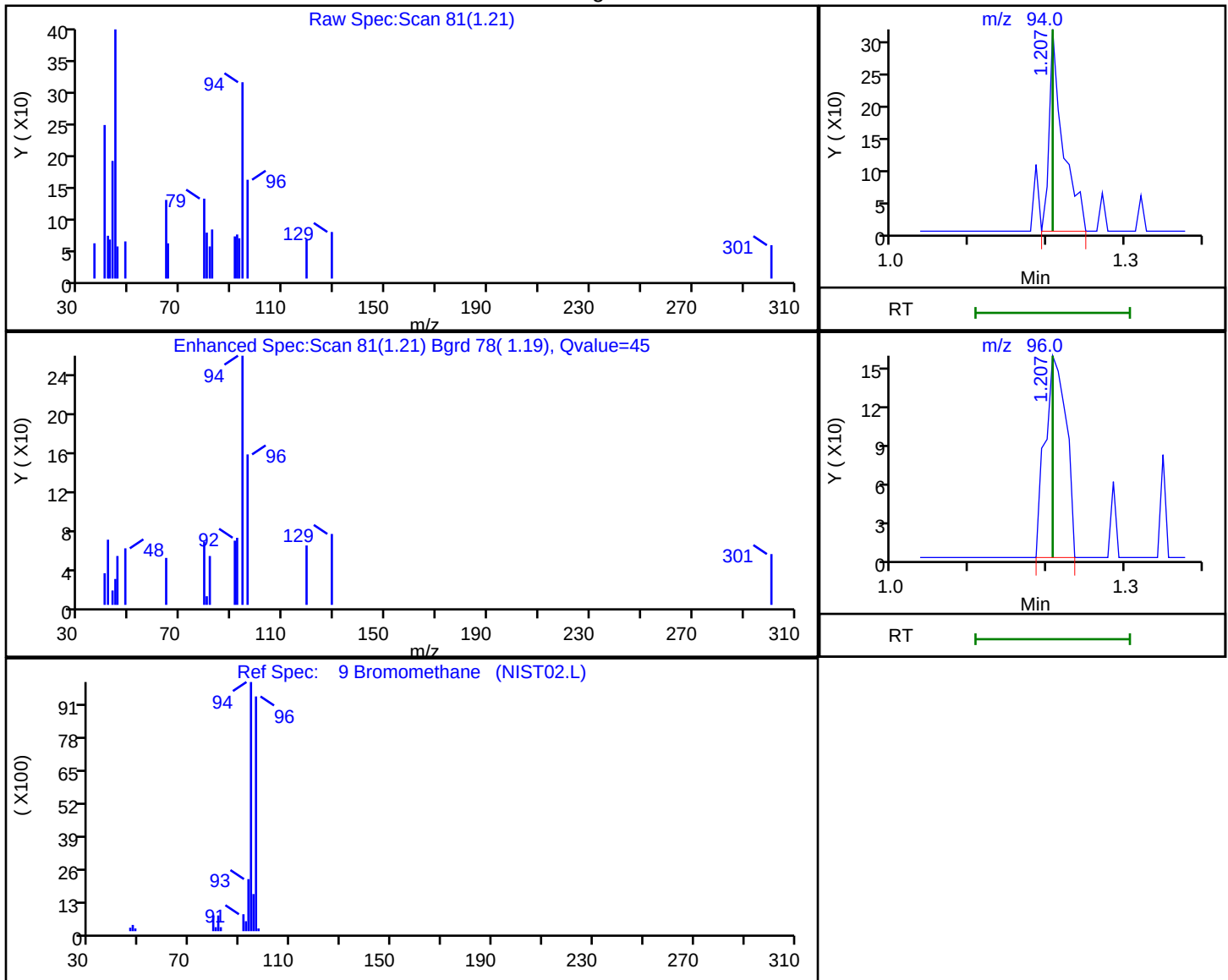
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.21	94.00	386	0.324617
1.21	96.00	296	

Reviewer: tupayachia, 04-Nov-2019 11:18:06

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

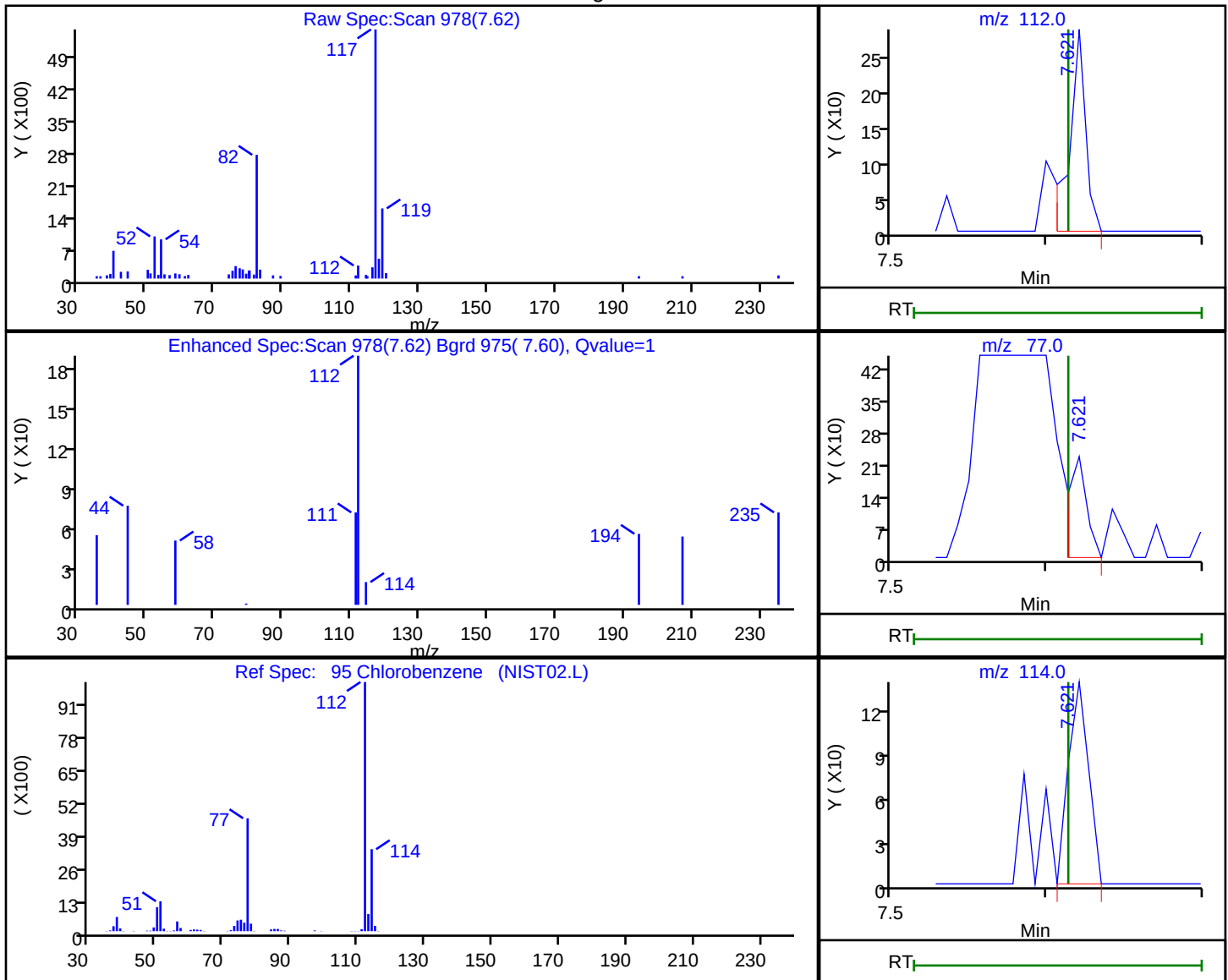
Column: DB-624 (0.18 mm)

Detector

MS SCAN

95 Chlorobenzene, CAS: 108-90-7

Processing Results



RT	Mass	Response	Amount
7.62	112.00	207	0.026894
7.62	77.00	188	
7.62	114.00	123	

Reviewer: tupayachia, 04-Nov-2019 11:18:53

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

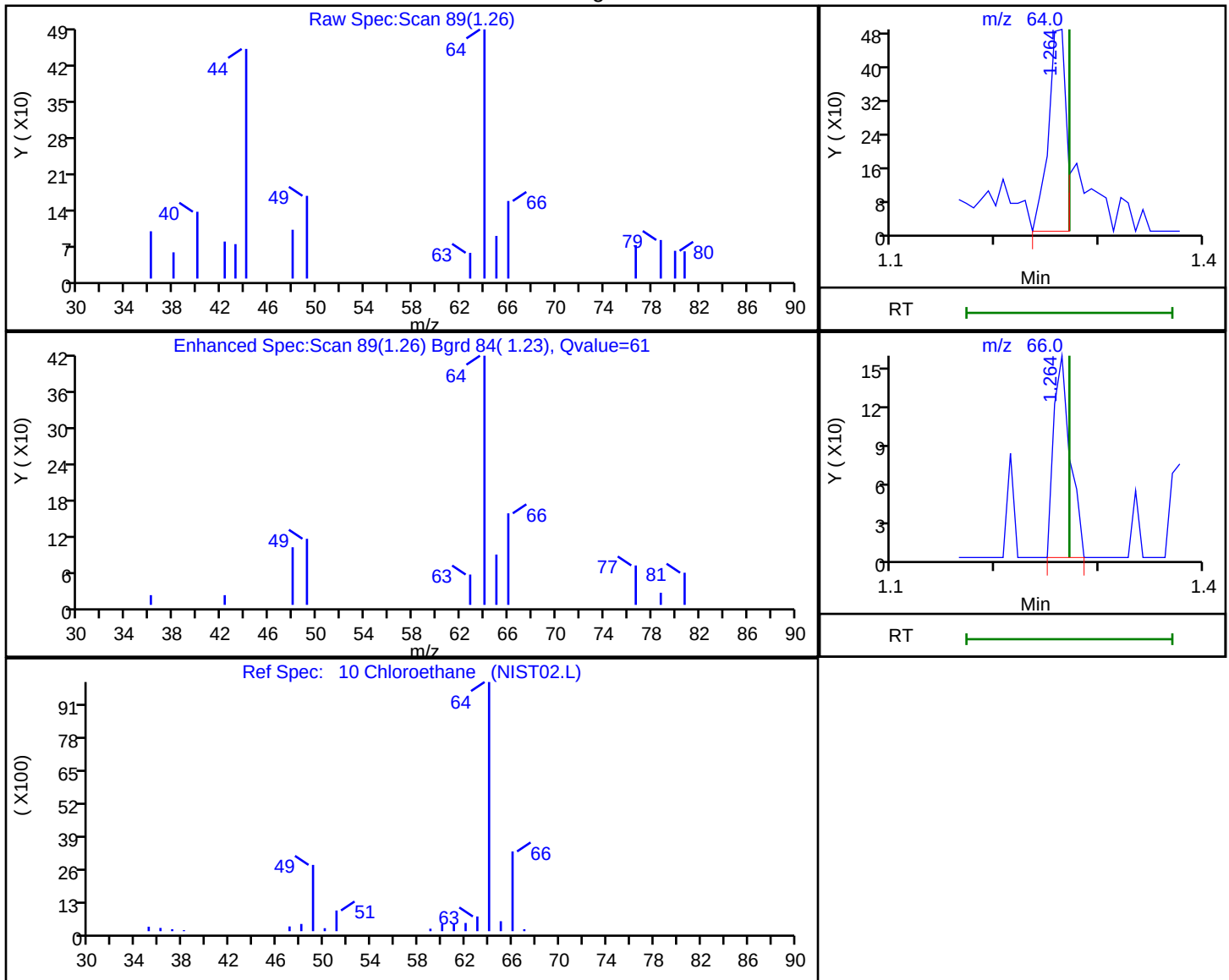
Column: DB-624 (0.18 mm)

Detector

MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.26	64.00	587	0.297671
1.26	66.00	168	

Reviewer: tupayachia, 04-Nov-2019 11:18:09

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

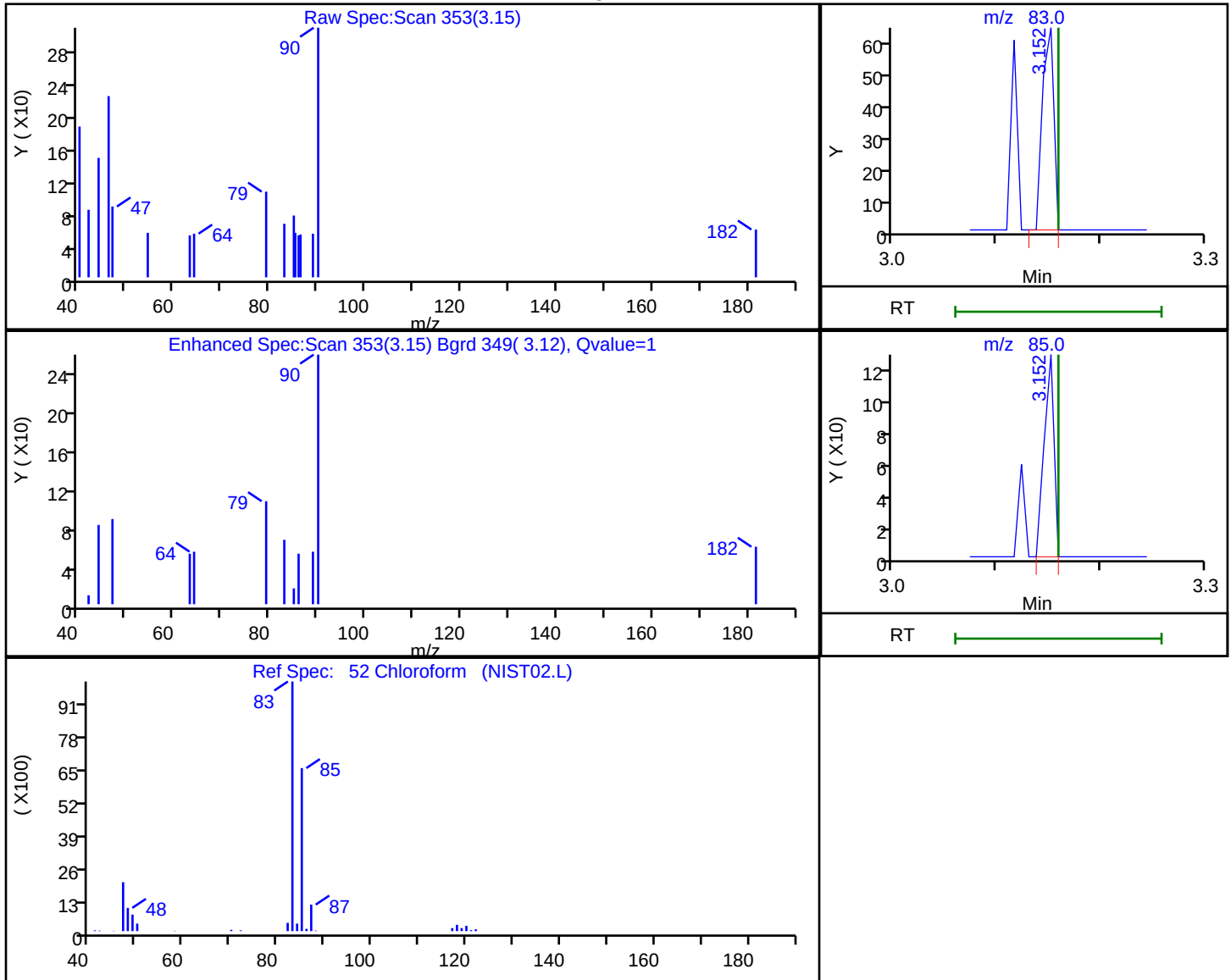
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

52 Chloroform, CAS: 67-66-3

Processing Results



RT	Mass	Response	Amount
3.15	83.00	49	0.010842
3.15	85.00	85	

Reviewer: tupayachia, 04-Nov-2019 11:18:39

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

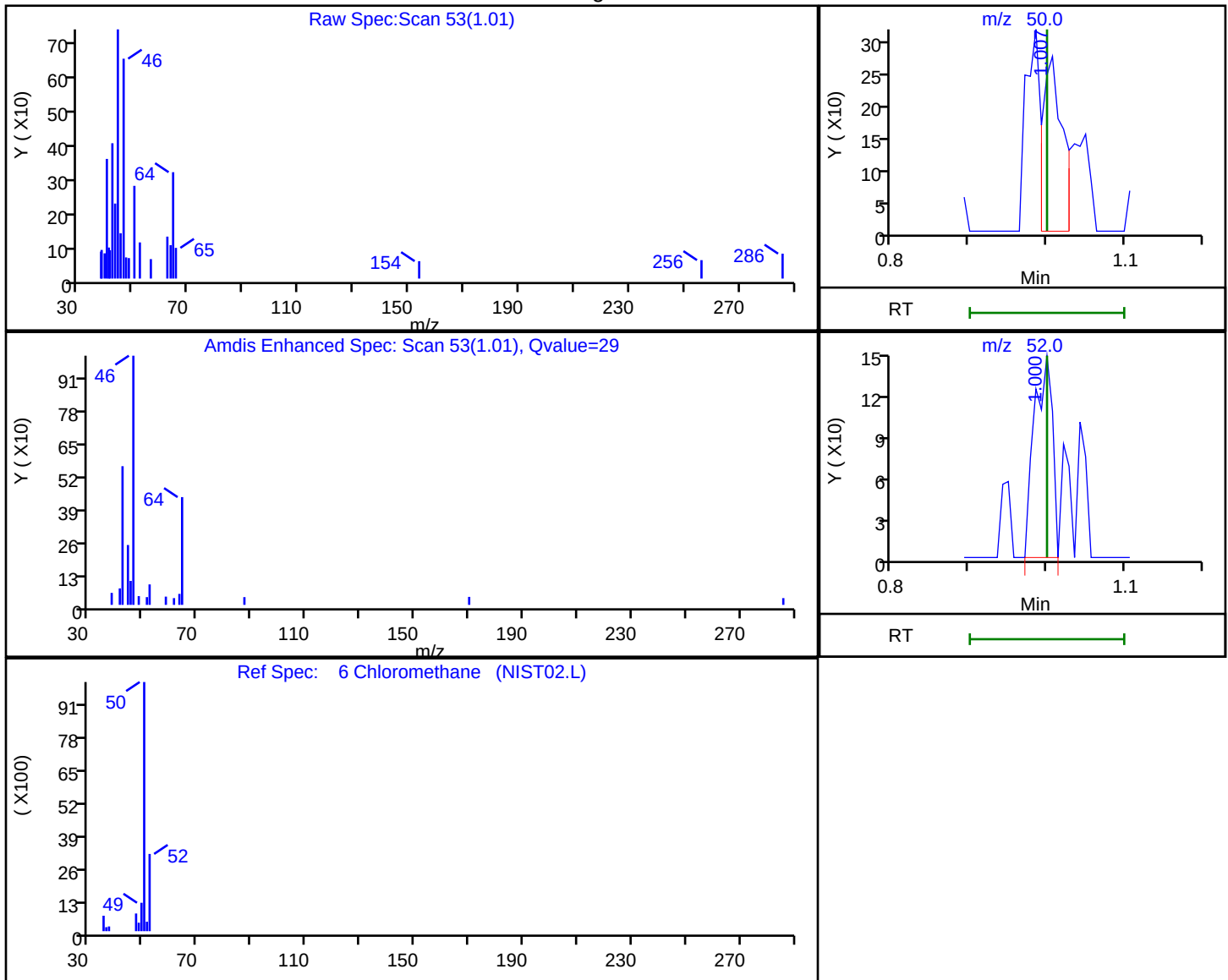
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

6 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.01	50.00	489	0.203547
1.00	52.00	237	

Reviewer: tupayachia, 04-Nov-2019 11:17:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

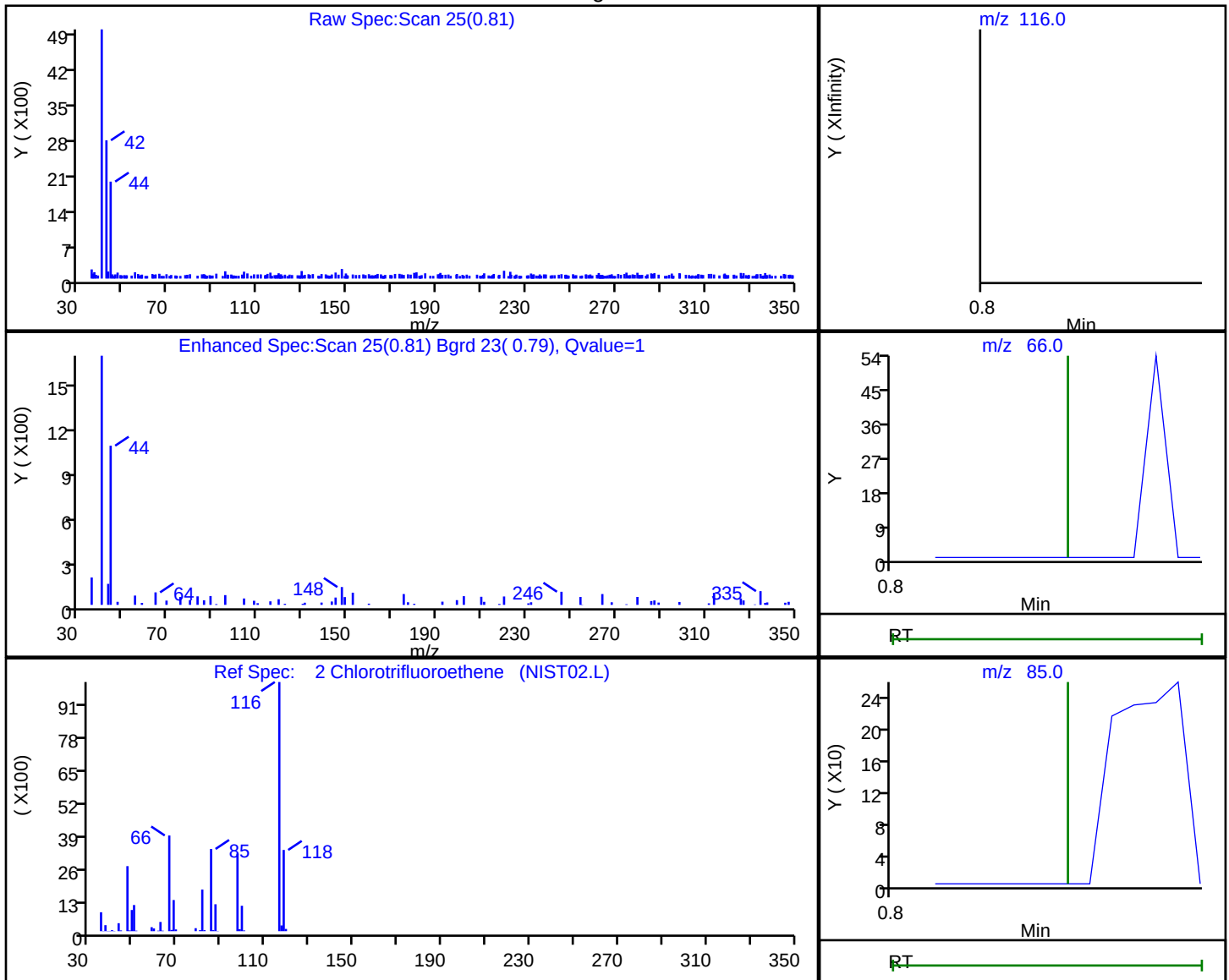
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Processing Results



RT	Mass	Response	Amount
0.81	116.00	23	0.028550
0.80	66.00	356	
0.81	85.00	36	
0.80	118.00	194	

Reviewer: tupayachia, 04-Nov-2019 11:17:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

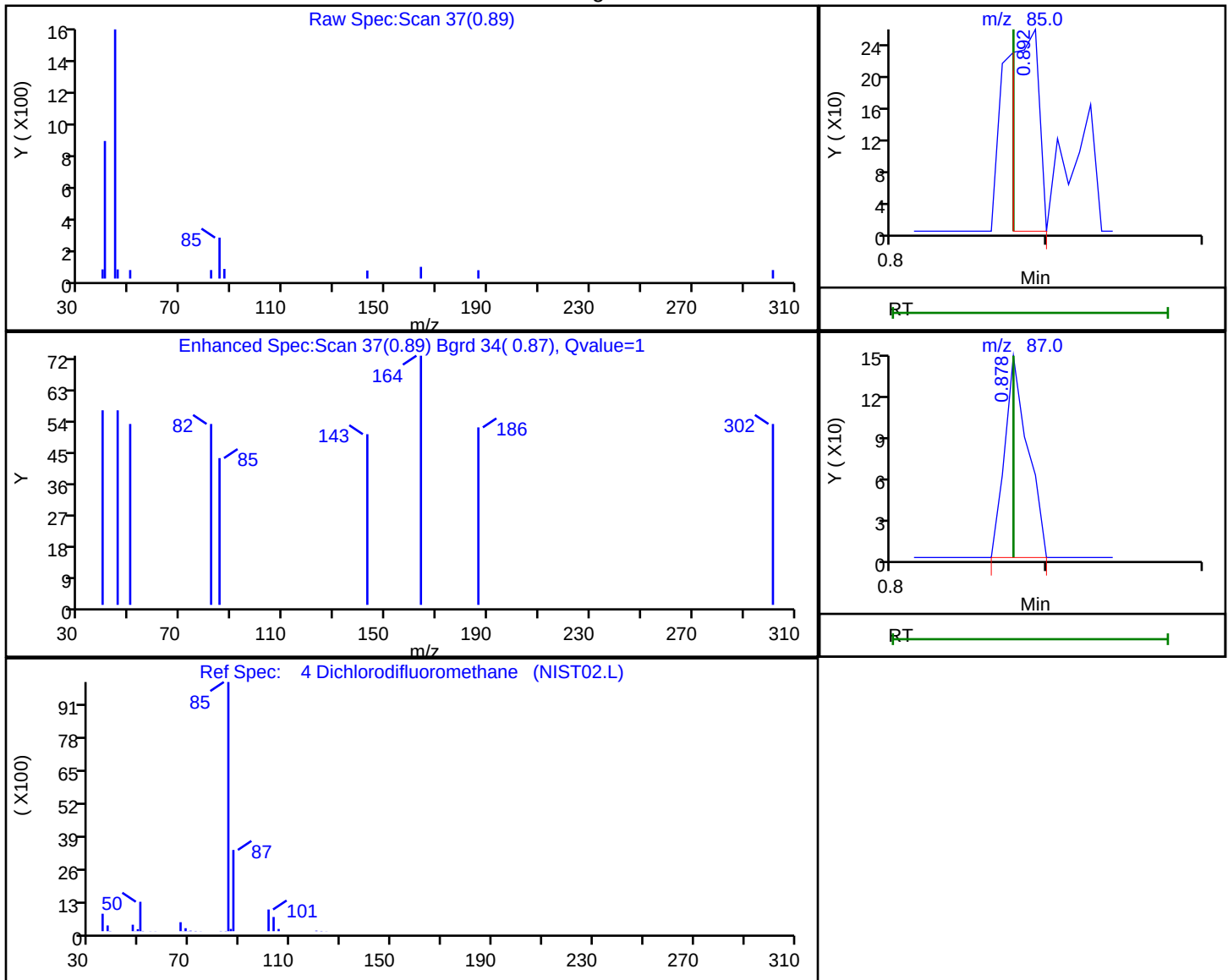
Column: DB-624 (0.18 mm)

Detector

MS SCAN

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.89	85.00	305	0.161752
0.88	87.00	152	

Reviewer: tupayachia, 04-Nov-2019 11:17:53

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

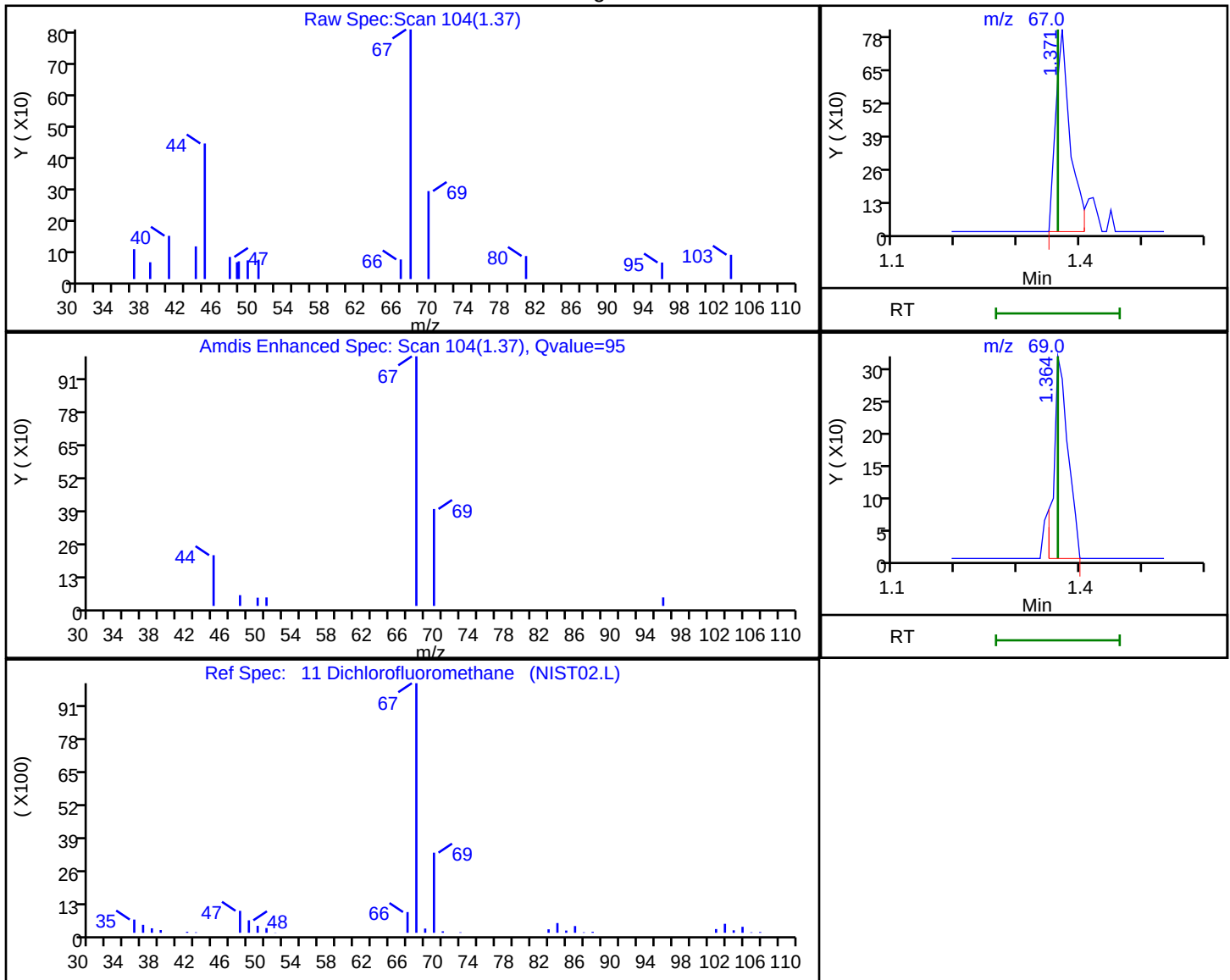
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

11 Dichlorofluoromethane, CAS: 75-43-4

Processing Results



RT	Mass	Response	Amount
1.37	67.00	1299	0.289003
1.36	69.00	498	

Reviewer: tupayachia, 04-Nov-2019 11:18:11

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

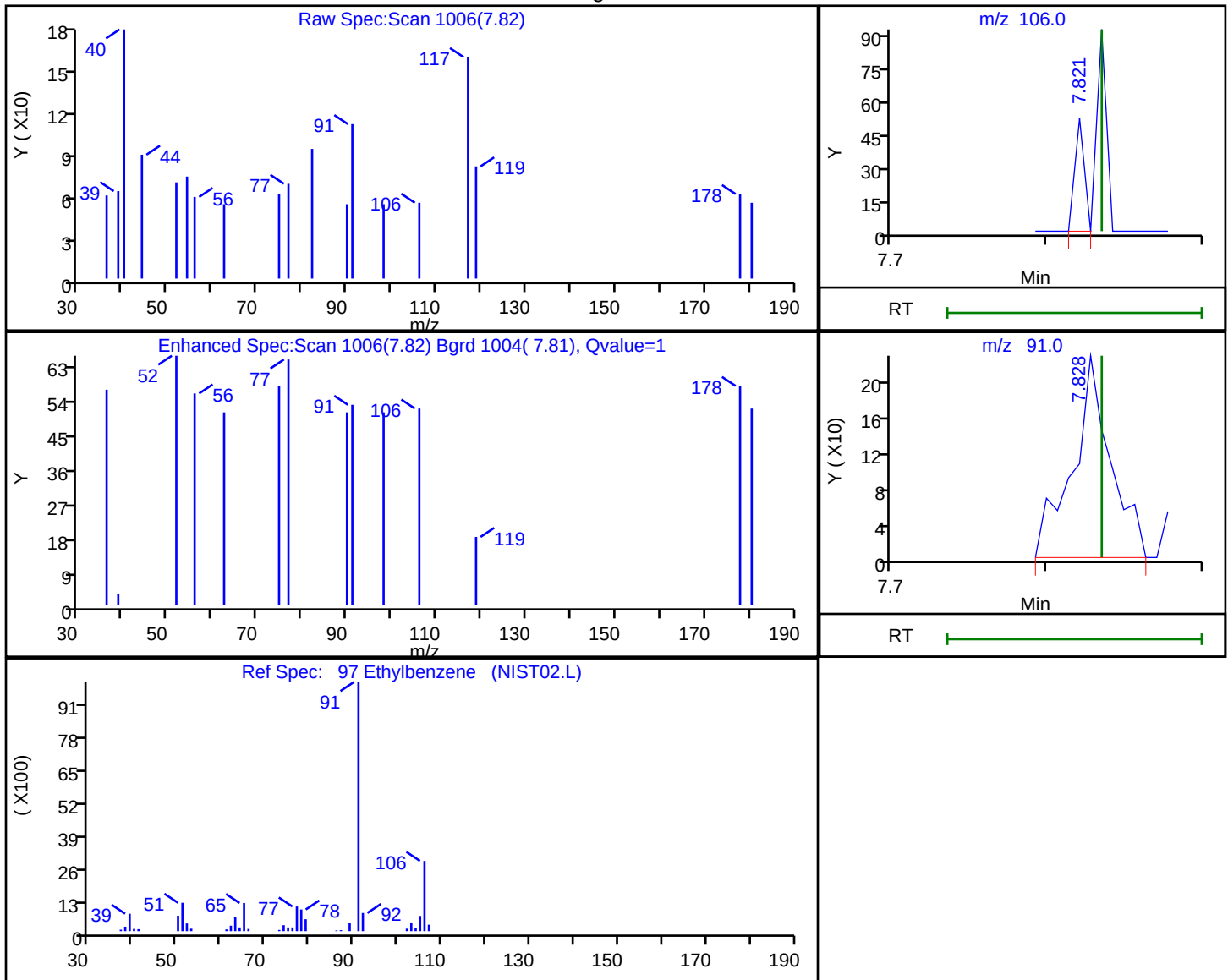
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

97 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
7.82	106.00	22	0.005628
7.83	91.00	387	

Reviewer: tupayachia, 04-Nov-2019 11:18:55

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

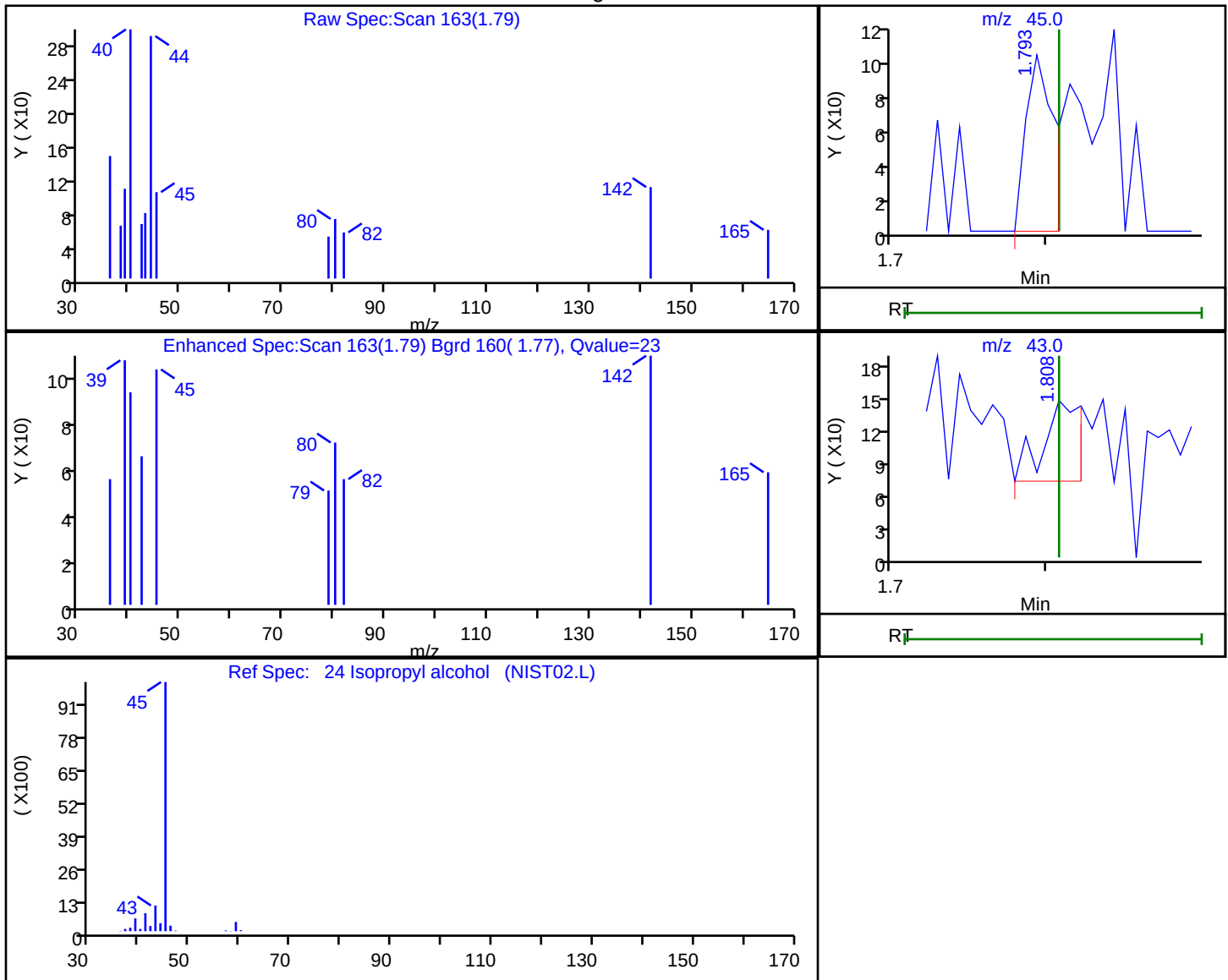
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Processing Results



RT	Mass	Response	Amount
1.79	45.00	130	1.207918
1.81	43.00	127	

Reviewer: tupayachia, 04-Nov-2019 11:18:29

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

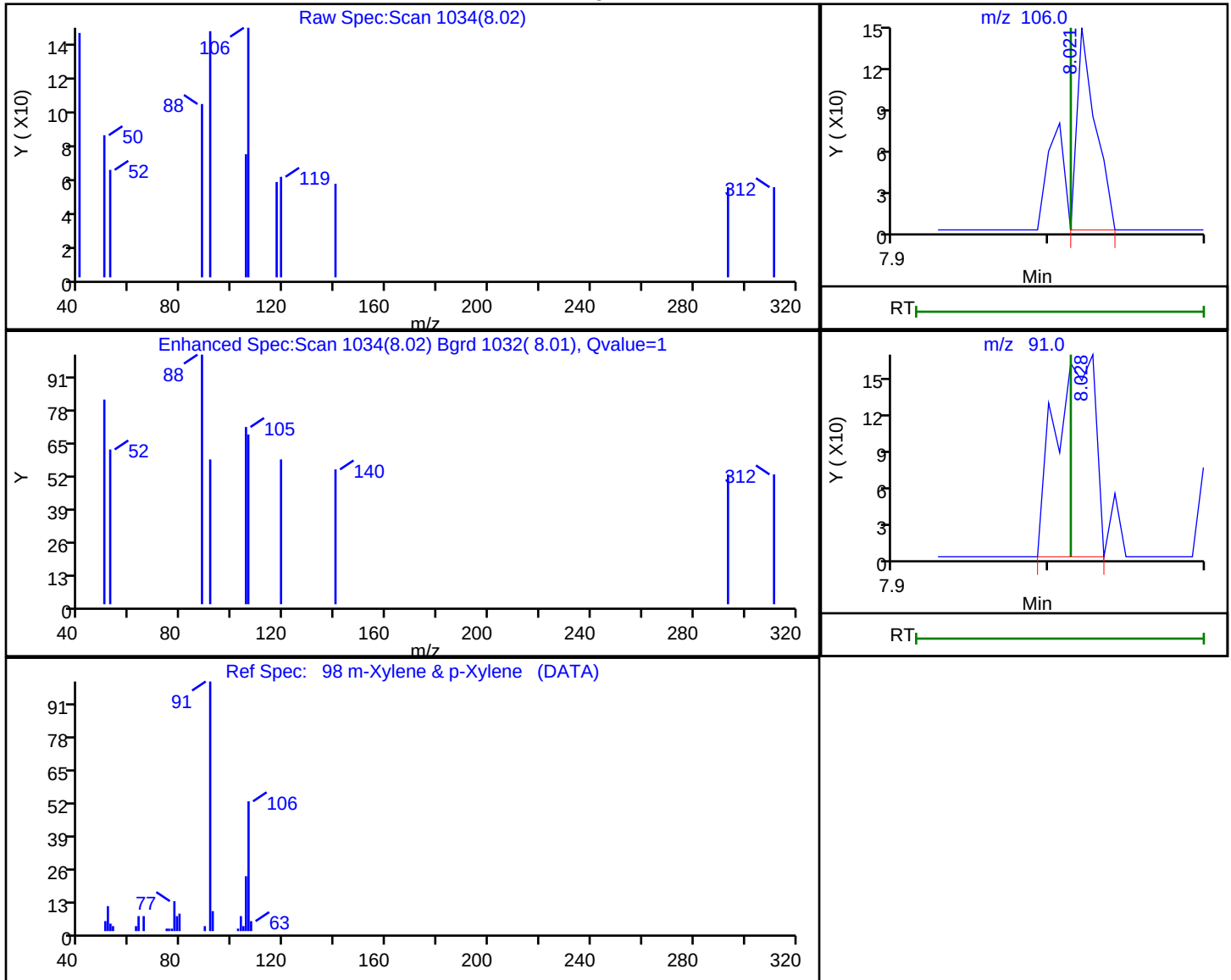
Column: DB-624 (0.18 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
8.02	106.00	118	0.024049
8.03	91.00	287	

Reviewer: tupayachia, 04-Nov-2019 11:18:55

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

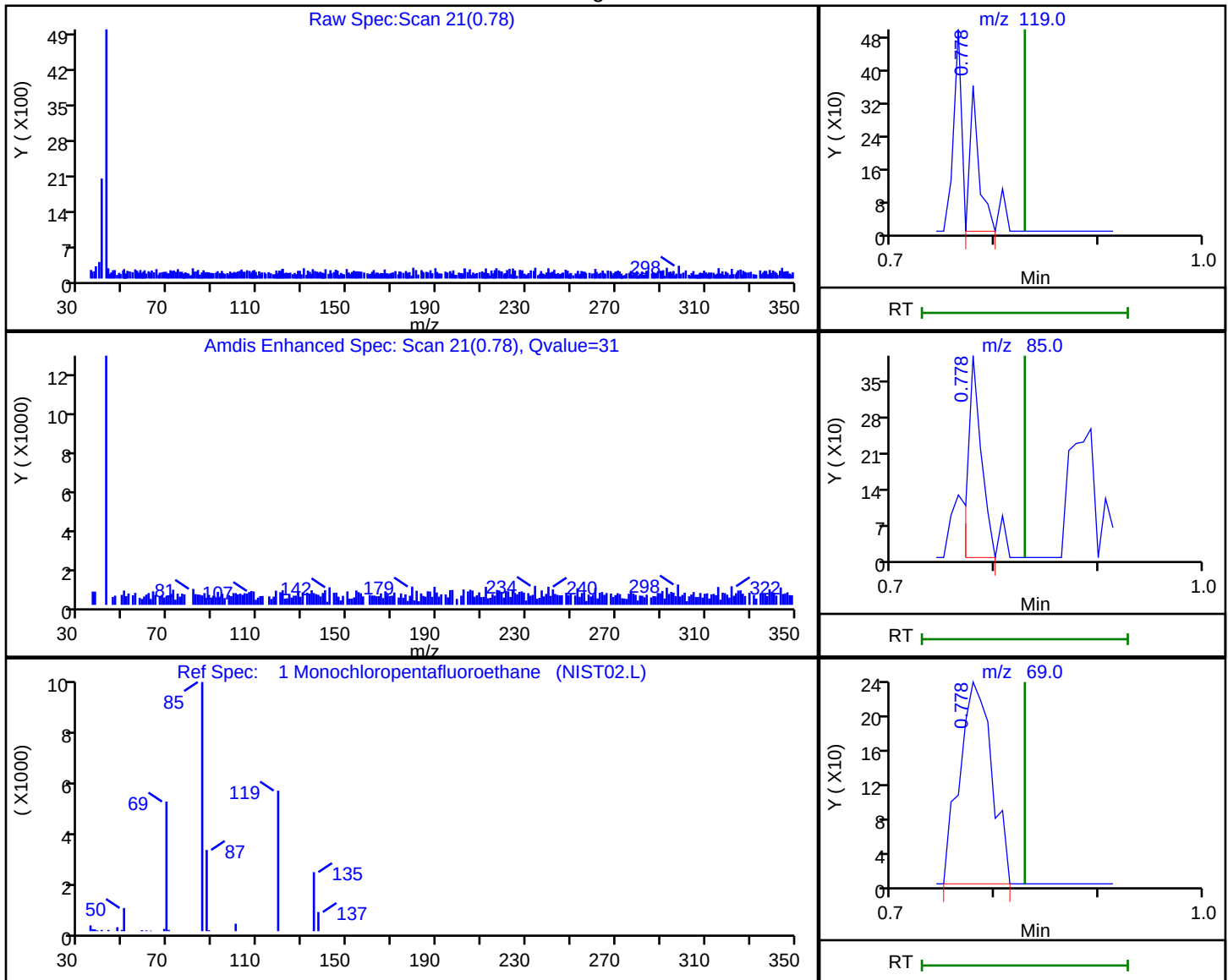
Column: DB-624 (0.18 mm)

Detector

MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Processing Results



RT	Mass	Response	Amount
0.78	119.00	221	0.713105
0.78	85.00	347	
0.78	69.00	508	
0.79	135.00	385	

Reviewer: tupayachia, 04-Nov-2019 11:17:48

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

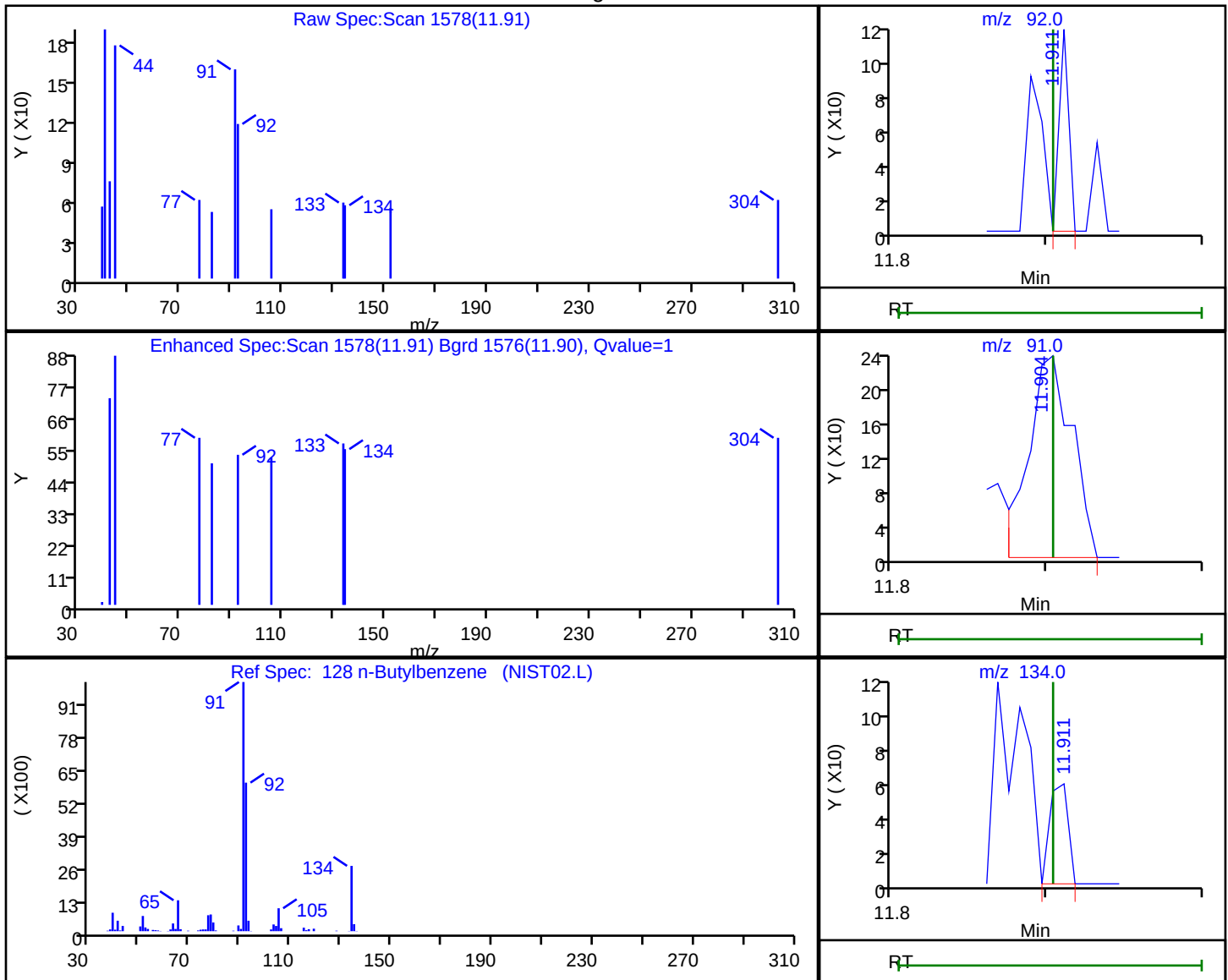
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

128 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
11.91	92.00	50	0.014532
11.90	91.00	474	
11.91	134.00	45	

Reviewer: tupayachia, 04-Nov-2019 11:19:31

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

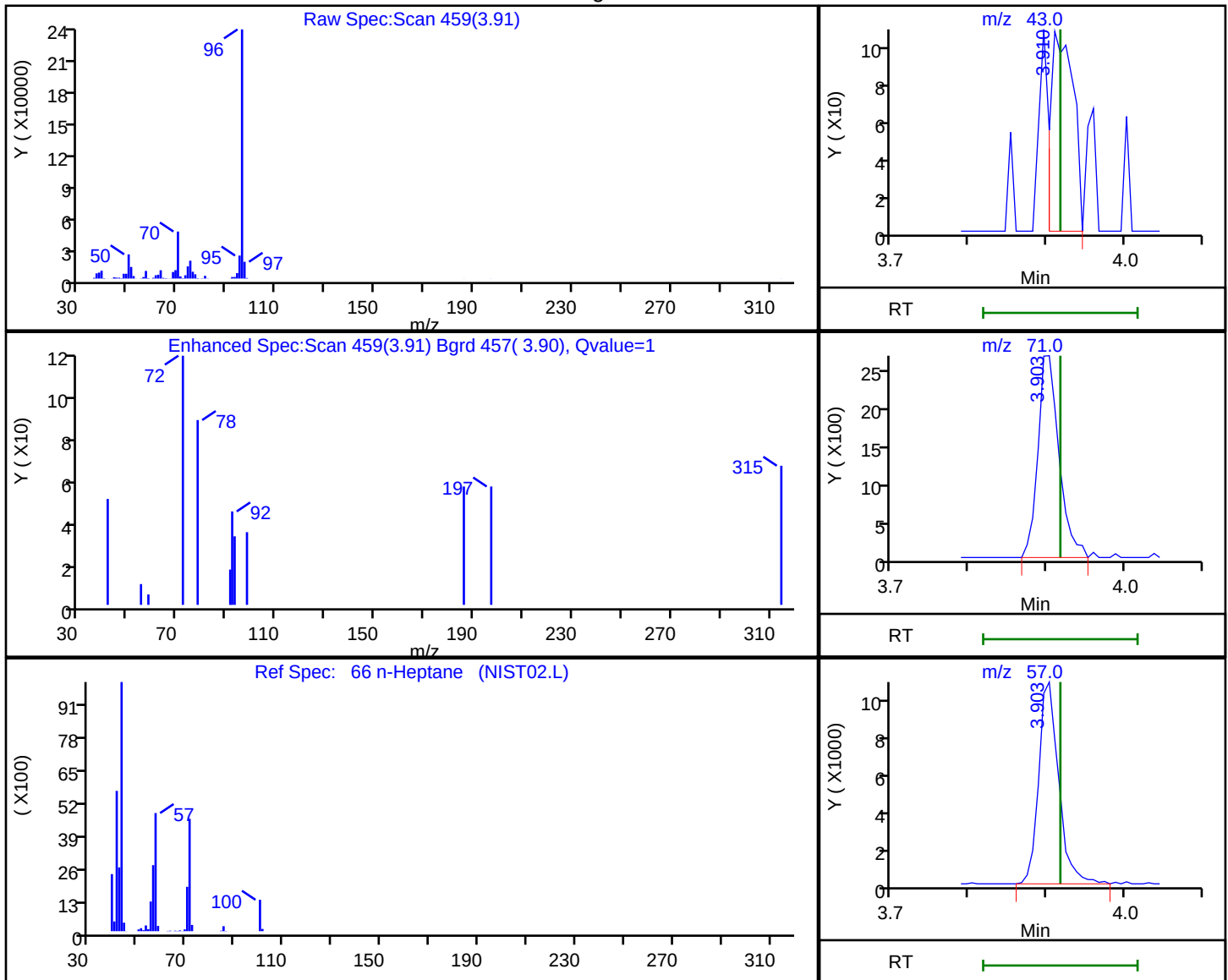
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

66 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
3.91	43.00	205	0.116265
3.90	71.00	5120	
3.90	57.00	18416	

Reviewer: tupayachia, 04-Nov-2019 11:18:48

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

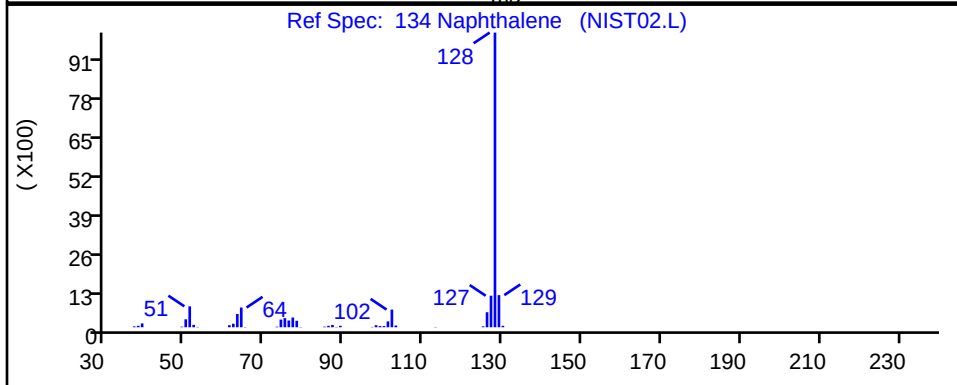
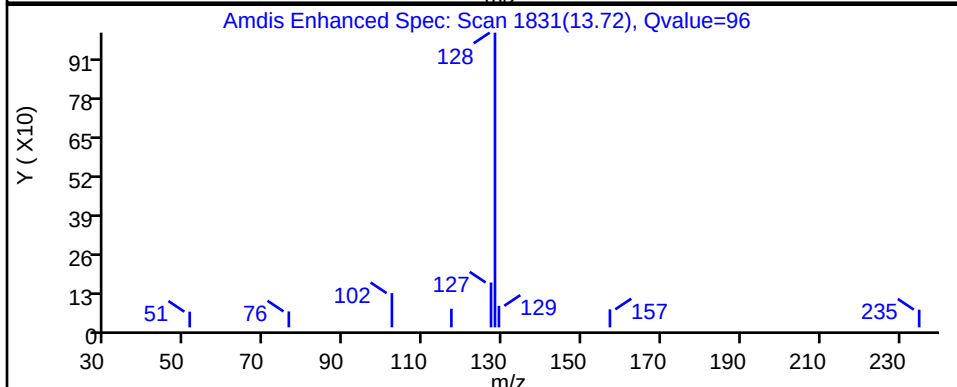
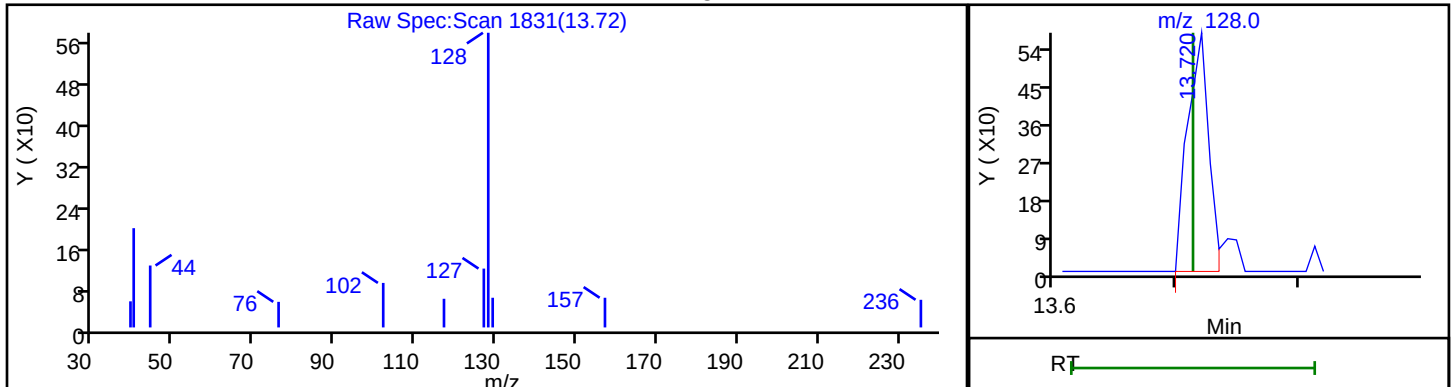
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

134 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
13.72	128.00	699	0.093514

Reviewer: tupayachia, 04-Nov-2019 11:19:35

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

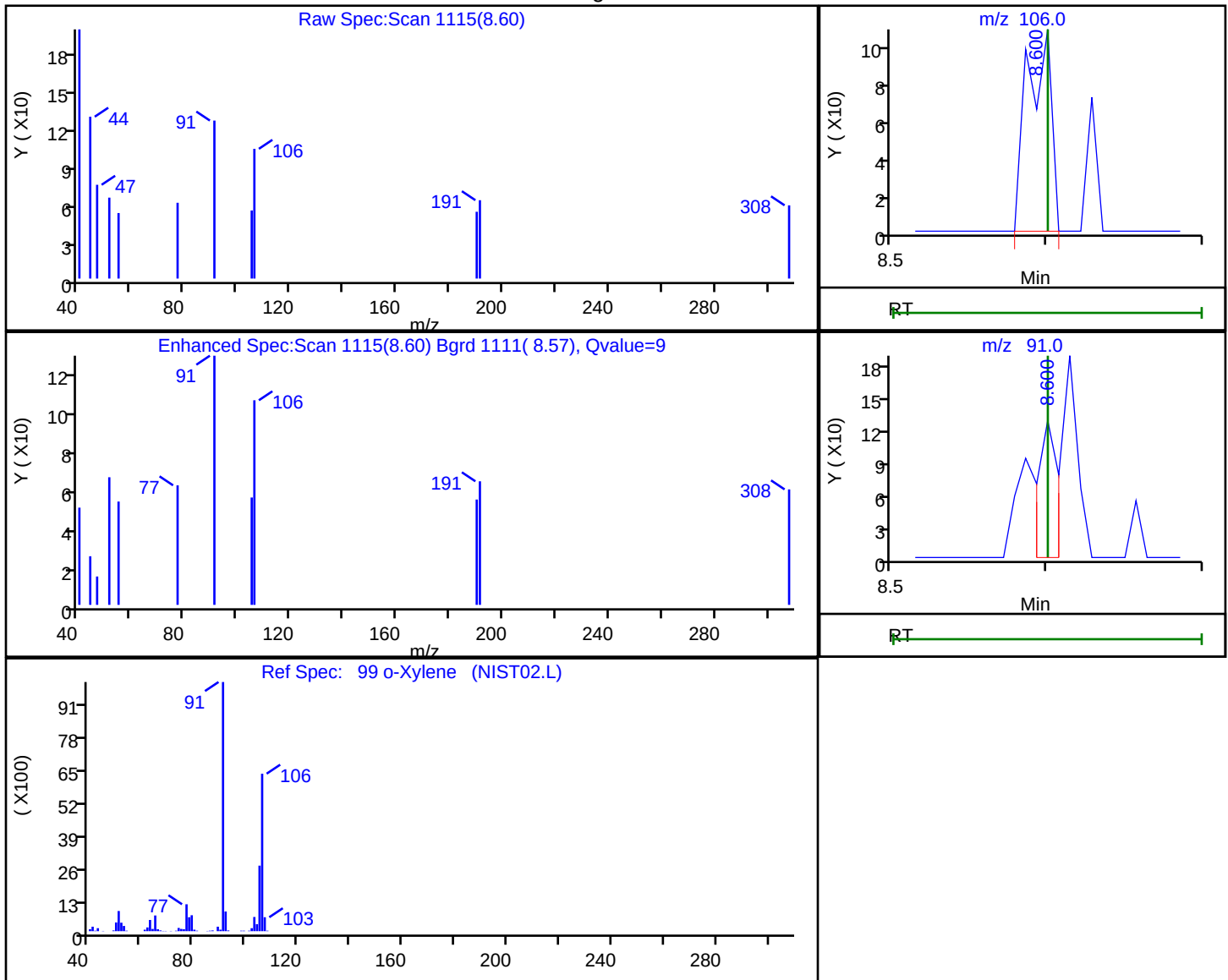
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
8.60	106.00	109	0.022952
8.60	91.00	113	

Reviewer: tupayachia, 04-Nov-2019 11:18:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

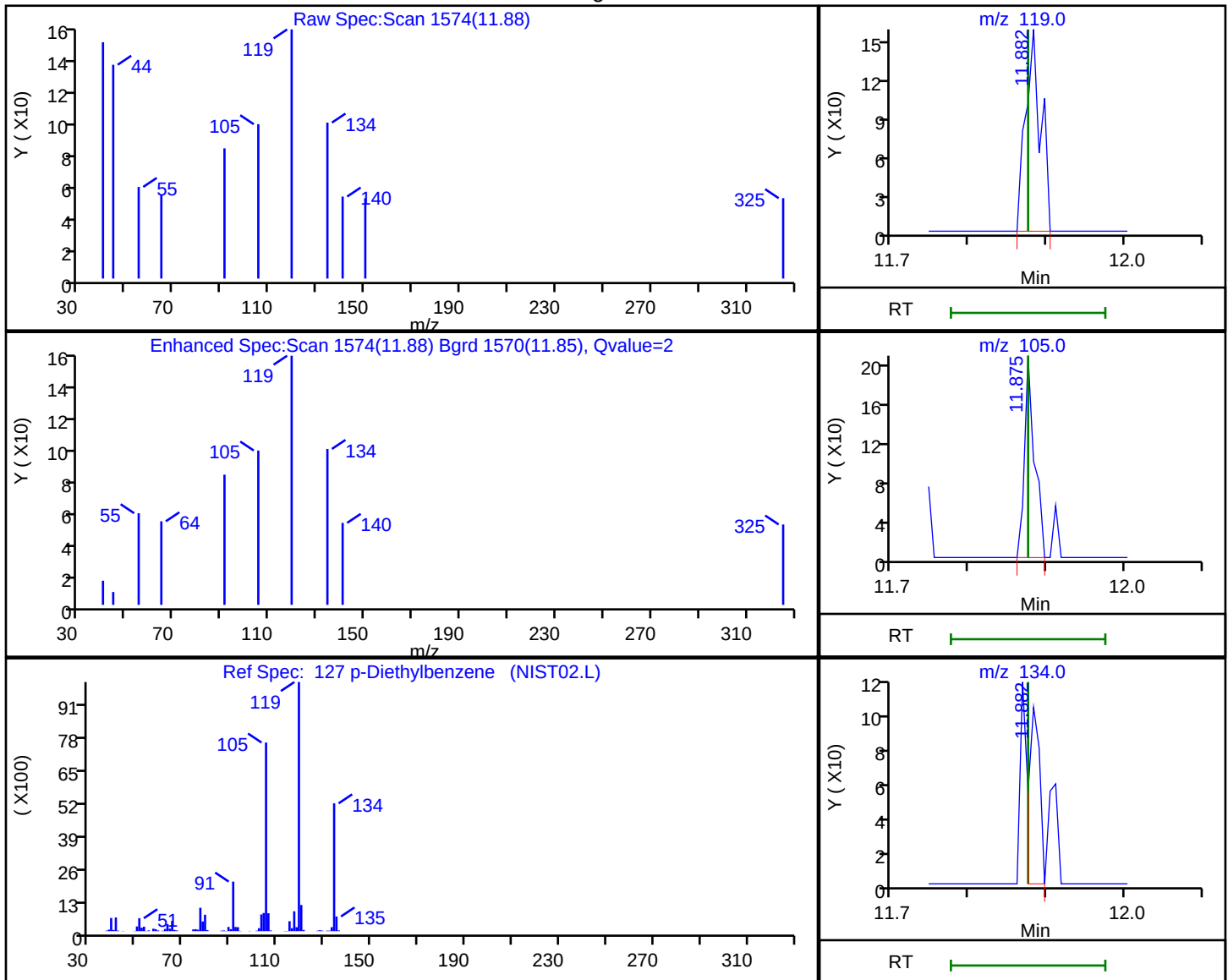
Column: DB-624 (0.18 mm)

Detector

MS SCAN

127 p-Diethylbenzene, CAS: 105-05-5

Processing Results



RT	Mass	Response	Amount
11.88	119.00	211	0.050497
11.88	105.00	182	
11.88	134.00	96	

Reviewer: tupayachia, 04-Nov-2019 11:19:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

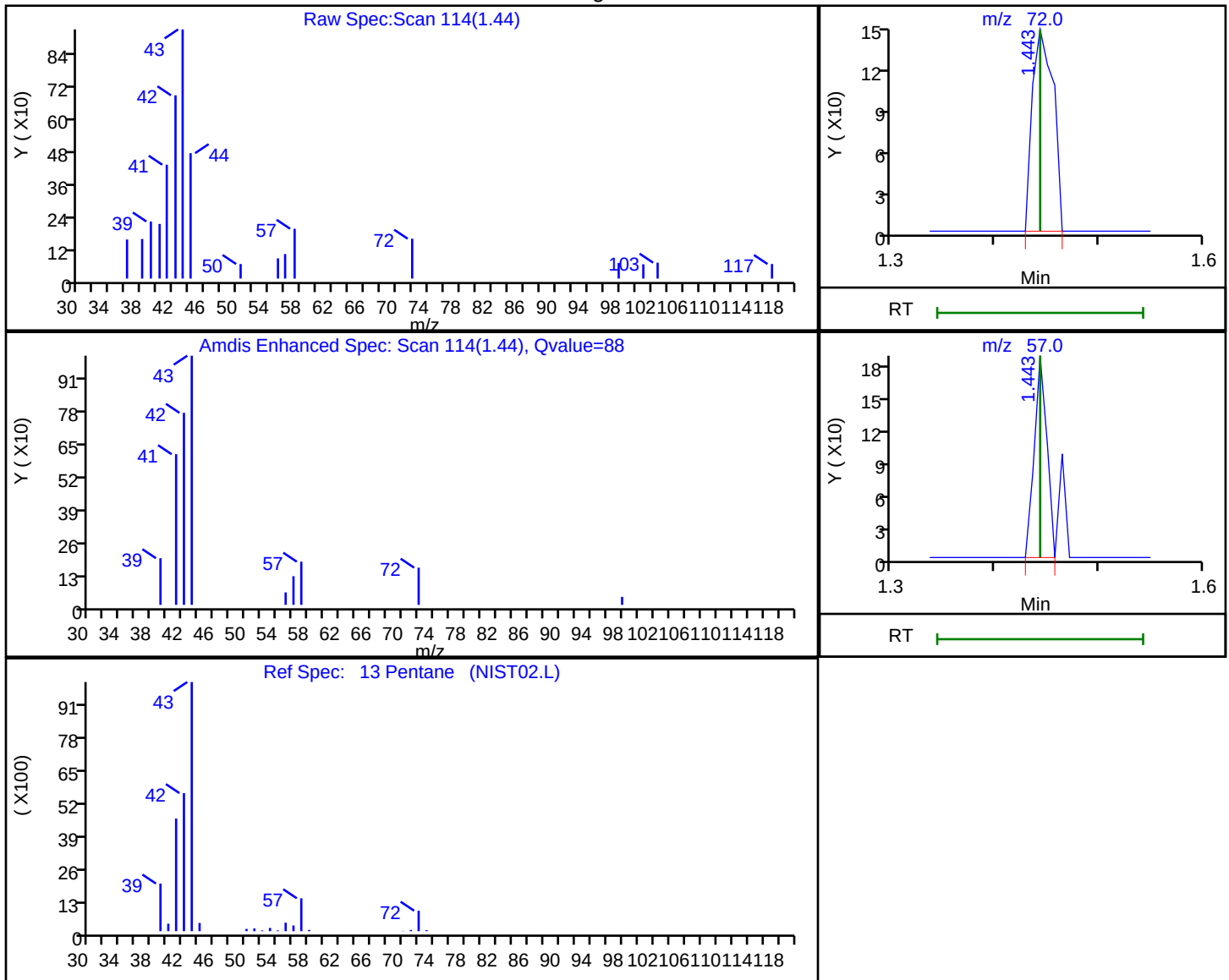
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
1.44	72.00	208	0.430823
1.44	57.00	157	

Reviewer: tupayachia, 04-Nov-2019 11:18:21

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

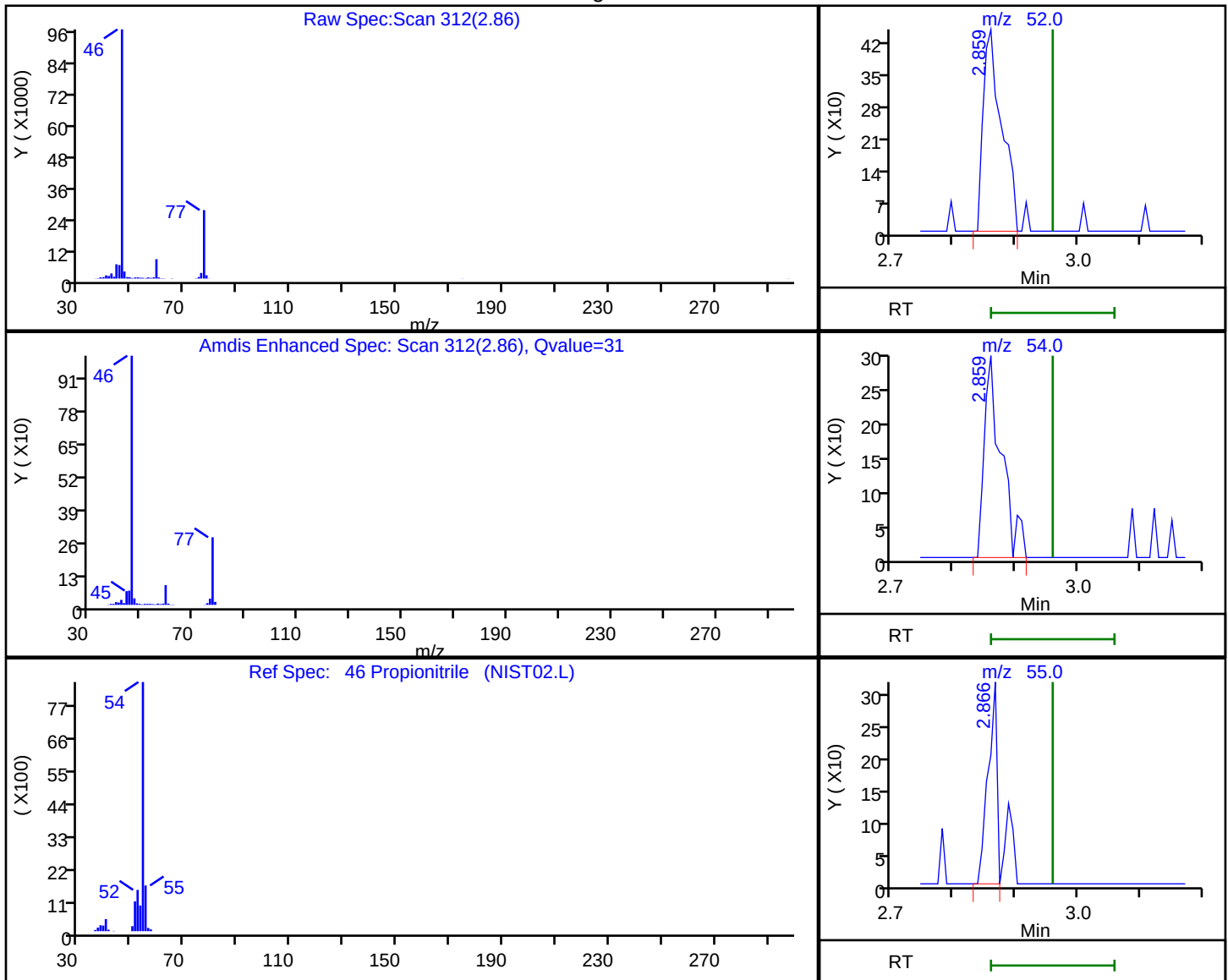
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

46 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
2.86	52.00	924	19.193879
2.86	54.00	565	
2.87	55.00	315	

Reviewer: tupayachia, 04-Nov-2019 11:18:38

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

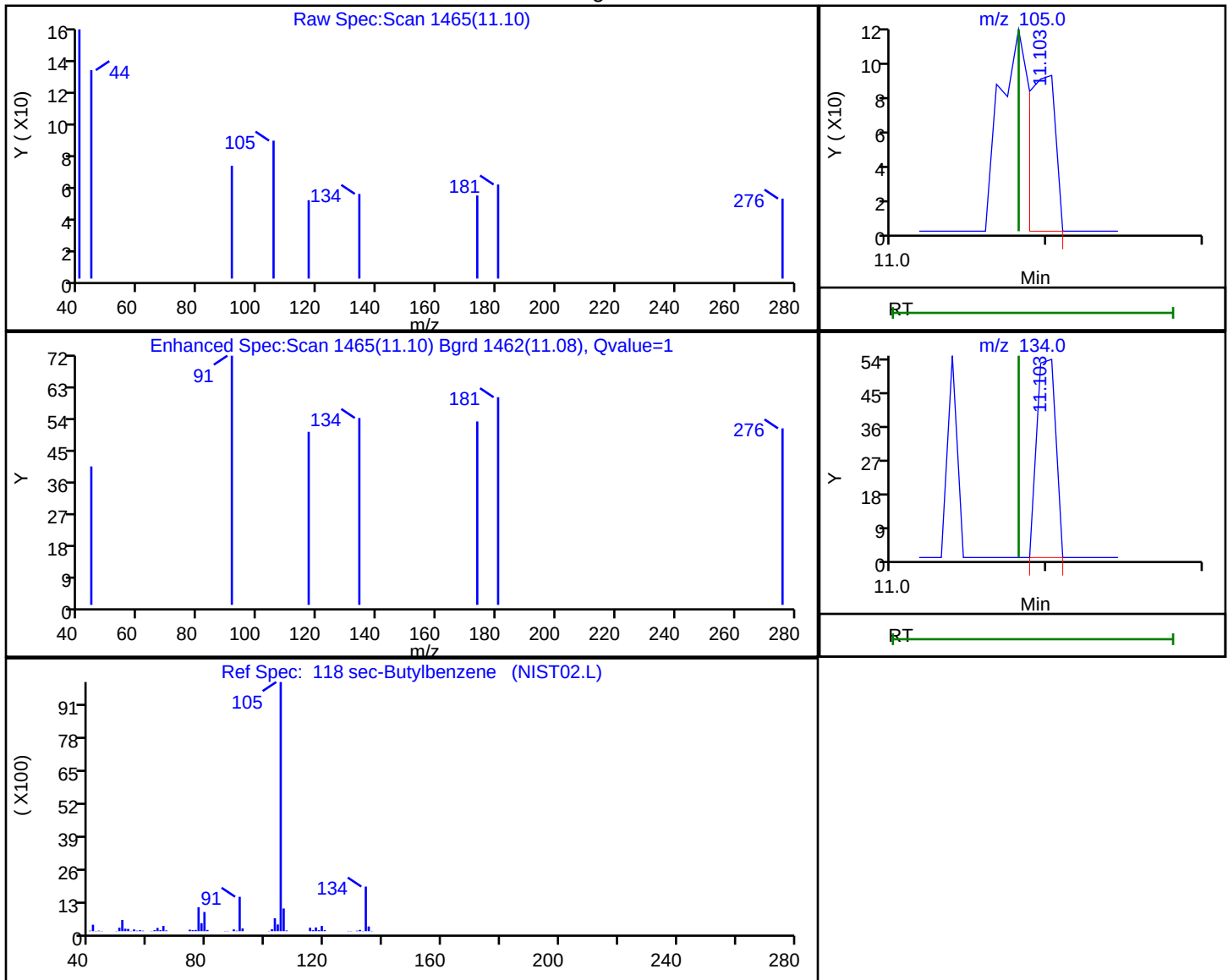
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

118 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
11.10	105.00	109	0.010908
11.10	134.00	46	

Reviewer: tupayachia, 04-Nov-2019 11:19:20

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

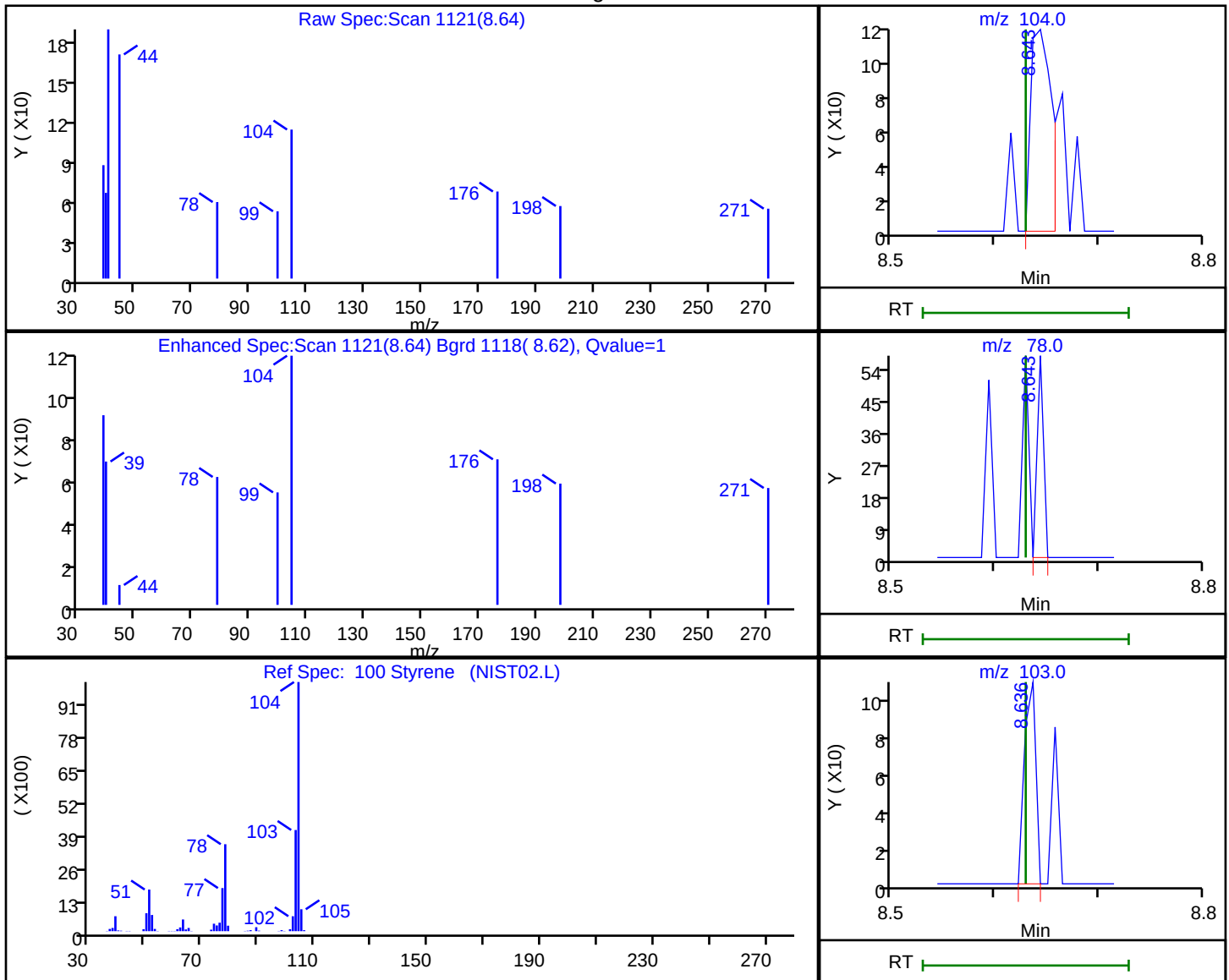
Column: DB-624 (0.18 mm)

Detector

MS SCAN

100 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
8.64	104.00	160	0.021195
8.64	78.00	25	
8.64	103.00	79	

Reviewer: tupayachia, 04-Nov-2019 11:18:58

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

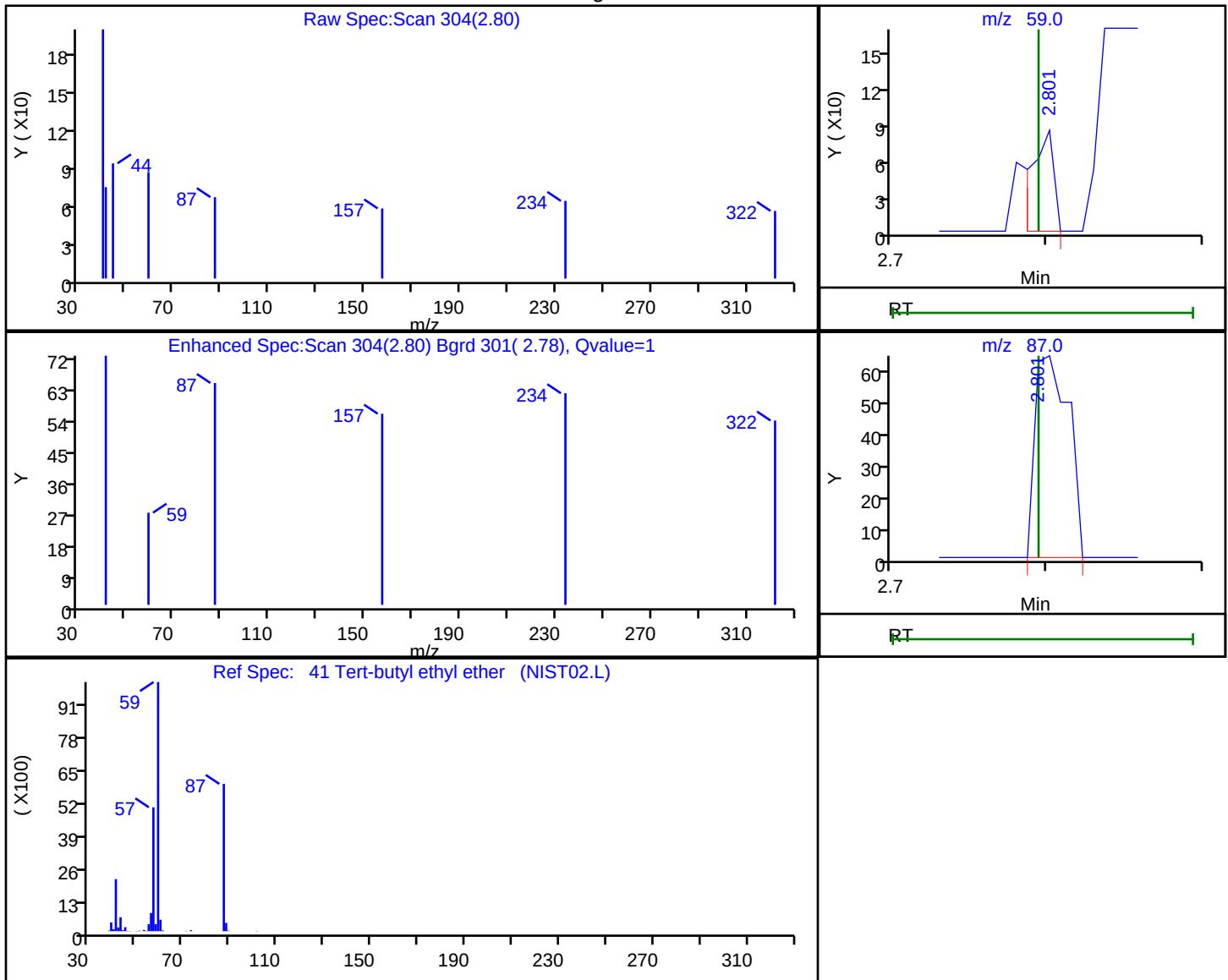
Column: DB-624 (0.18 mm)

Detector

MS SCAN

41 Tert-butyl ethyl ether, CAS: 637-92-3

Processing Results



RT	Mass	Response	Amount
2.80	59.00	85	0.013544
2.80	87.00	98	

Reviewer: tupayachia, 04-Nov-2019 11:18:37

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

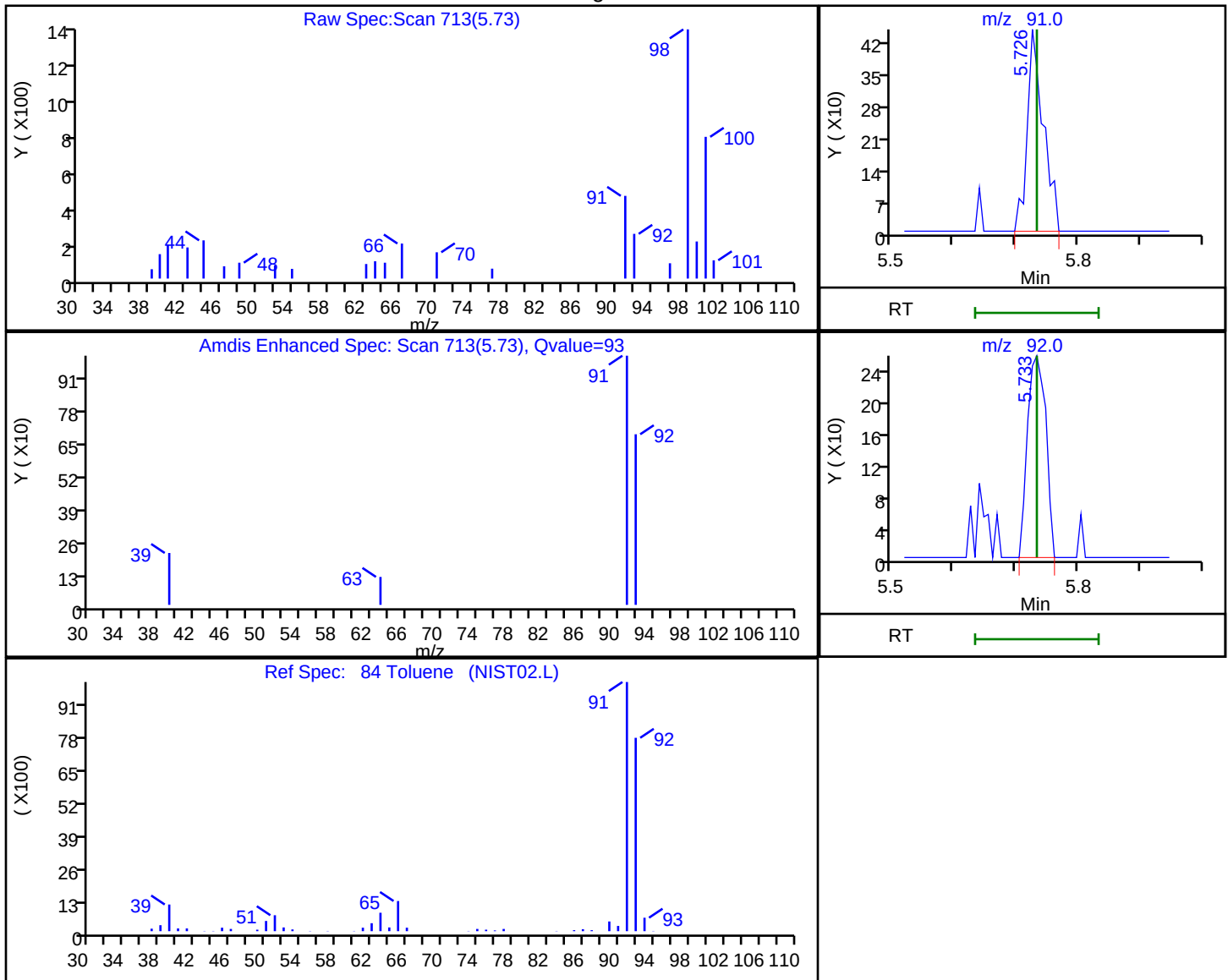
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

84 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
5.73	91.00	802	0.067122
5.73	92.00	521	

Reviewer: tupayachia, 04-Nov-2019 11:18:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

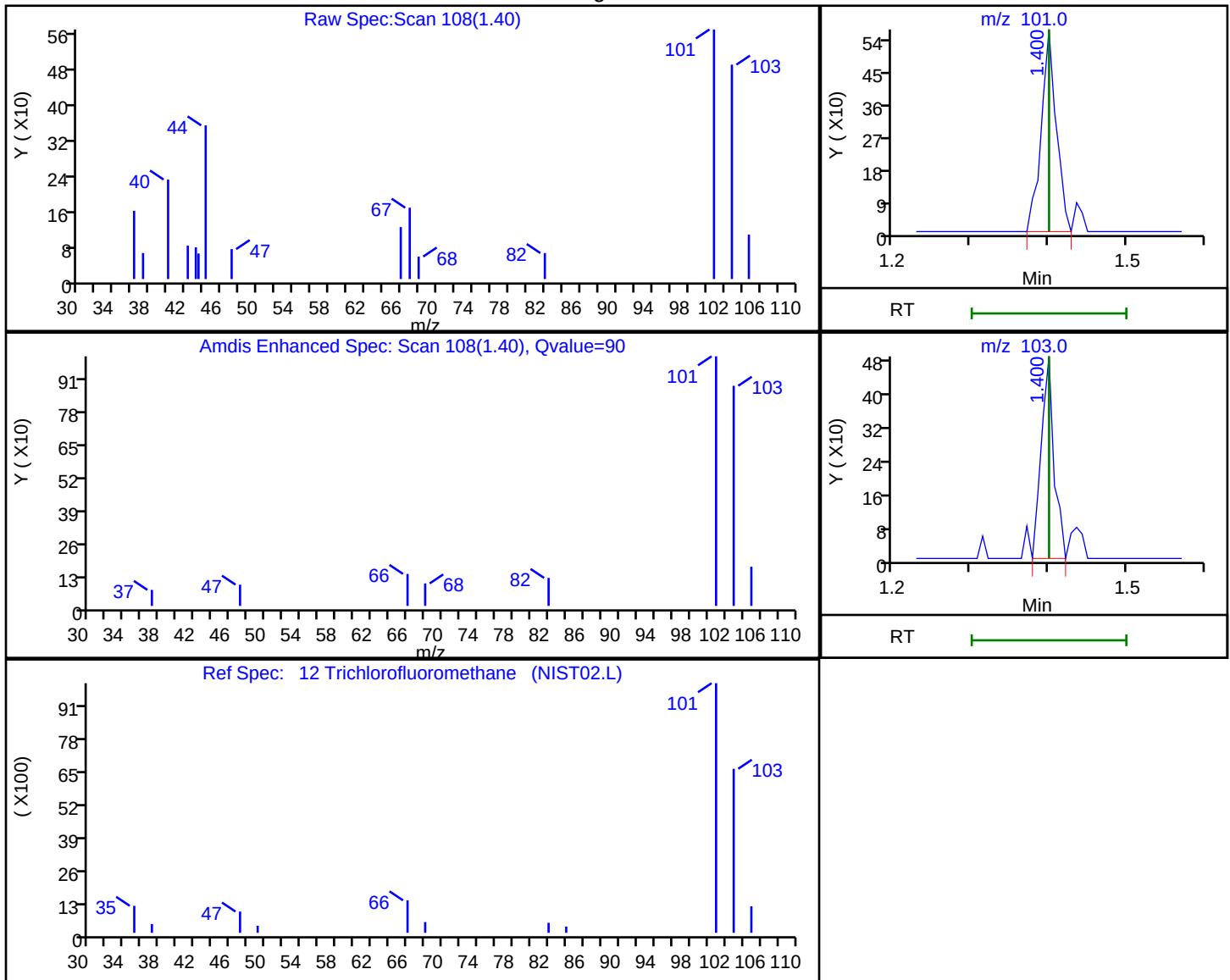
Column: DB-624 (0.18 mm)

Detector

MS SCAN

12 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
1.40	101.00	764	0.213663
1.40	103.00	554	

Reviewer: tupayachia, 04-Nov-2019 11:18:20

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43446.D

Injection Date: 04-Nov-2019 08:25:30

Instrument ID: CVOAMS12

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

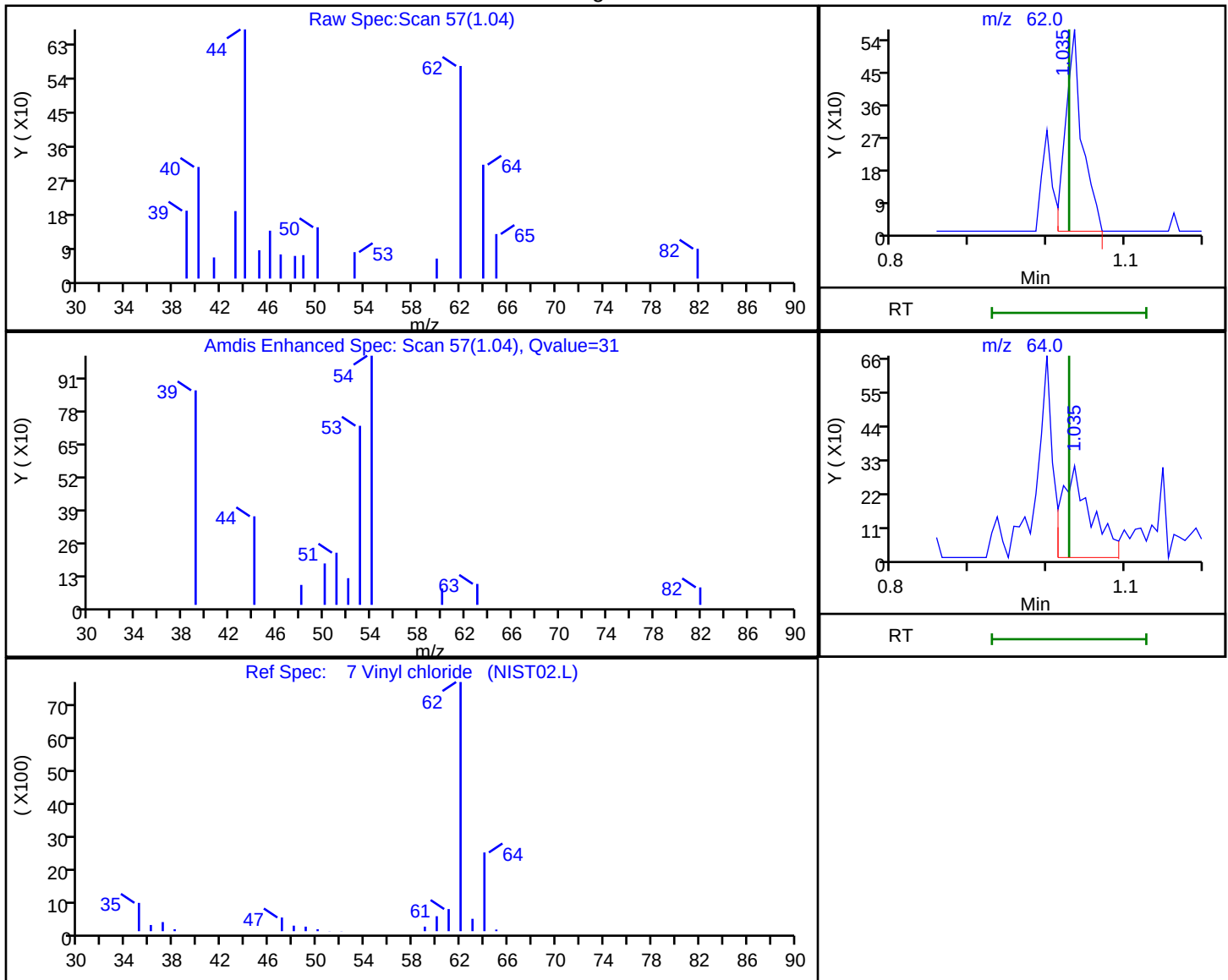
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.04	62.00	839	0.286686
1.04	64.00	794	

Reviewer: tupayachia, 04-Nov-2019 11:17:58

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D
 Lims ID: STD05
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 04-Nov-2019 08:50:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD05
 Misc. Info.: 460-0100553-004
 Operator ID: Instrument ID: CVOAMS12
 Sublist: chrom-8260W_12*sub26
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 05-Nov-2019 10:03:15 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0339

First Level Reviewer: tupayachia

Date: 04-Nov-2019 11:17:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.857	0.857	0.000	43	360	0.5000	0.4402	
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	97	1483	0.5000	0.5208	M
3 1,1-Difluoroethane	65	0.892	0.892	0.000	27	946	0.5000	0.6344	Ma
5 Chlorodifluoromethane	67	0.892	0.892	0.000	35	366	0.5000	0.6527	
6 Chloromethane	50	1.000	1.000	0.000	36	1223	0.5000	0.4814	a
7 Vinyl chloride	62	1.028	1.028	0.000	59	1365	0.5000	0.4892	
8 Butadiene	54	1.043	1.043	0.000	95	1085	0.5000	0.4591	
9 Bromomethane	94	1.207	1.207	0.000	96	635	0.5000	0.6084	
10 Chloroethane	64	1.271	1.271	0.000	46	960	0.5000	0.5436	
11 Dichlorofluoromethane	67	1.364	1.364	0.000	97	2150	0.5000	0.5256	
12 Trichlorofluoromethane	101	1.400	1.400	0.000	95	1655	0.5000	0.4648	
13 Pentane	72	1.443	1.443	0.000	94	569	1.00	1.25	
14 Ethanol	46	1.529	1.529	0.000	36	219	20.0	20.4	a
15 Ethyl ether	59	1.557	1.557	0.000	93	961	0.5000	0.5331	
16 1,2-Dichloro-1,1,2-trifluo	117	1.565	1.565	0.000	88	819	0.5000	0.4408	
17 2-Methyl-1,3-butadiene	53	1.579	1.579	0.000	92	647	0.5000	0.3680	
18 1,1,1-Trifluoro-2,2-dichlo	83	1.600	1.600	0.000	93	1589	0.5000	0.4904	
19 Acrolein	56	1.636	1.636	0.000	31	326	2.00	2.02	
20 1,1-Dichloroethene	96	1.693	1.693	0.000	96	1142	0.5000	0.5228	
21 1,1,2-Trichloro-1,2,2-trif	101	1.693	1.693	0.000	67	1374	0.5000	0.5929	
22 Acetone	58	1.722	1.722	0.000	82	292	2.50	2.09	
23 Iodomethane	127	1.779	1.779	0.000	98	318	0.5000	0.2572	
24 Isopropyl alcohol	45	1.808	1.808	0.000	24	572	5.00	6.03	
25 Carbon disulfide	76	1.815	1.815	0.000	98	3340	0.5000	0.5012	
27 Acetonitrile	38	1.901	1.901	0.000	80	837	5.00	14.1	
26 3-Chloro-1-propene	76	1.908	1.908	0.000	95	1056	0.5000	0.6405	
28 Methyl acetate	74	1.922	1.922	0.000	99	272	1.00	1.24	
29 Cyclopentene	67	1.958	1.958	0.000	92	2962	0.5000	0.5197	
30 Methylene Chloride	84	1.986	1.986	0.000	89	1686	0.5000	0.6162	
* 31 TBA-d9 (IS)	65	2.008	2.008	0.000	98	118317	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	2.072	2.072	0.000	53	809	5.00	7.01	
33 Acrylonitrile	53	2.144	2.144	0.000	97	2189	5.00	4.20	
35 Methyl tert-butyl ether	73	2.165	2.165	0.000	96	2544	0.5000	0.4432	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	88	1059	0.5000	0.4461	
36 Hexane	57	2.365	2.365	0.000	90	1406	0.5000	0.5587	
37 1,1-Dichloroethane	63	2.451	2.451	0.000	97	2100	0.5000	0.5046	
38 Vinyl acetate	86	2.508	2.508	0.000	71	347	1.00	1.24	a
40 2-Chloro-1,3-butadiene	88	2.523	2.523	0.000	72	1062	0.5000	0.4680	
39 Isopropyl ether	45	2.523	2.523	0.000	94	3549	0.5000	0.5141	
41 Tert-butyl ethyl ether	59	2.794	2.794	0.000	95	2862	0.5000	0.4608	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	99	169004	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	93	1367	0.5000	0.5036	
43 2,2-Dichloropropane	97	2.887	2.887	0.000	47	263	0.5000	0.4005	
45 2-Butanone (MEK)	72	2.916	2.916	0.000	97	489	2.50	2.38	
46 Propionitrile	52	2.959	2.959	0.000	92	289	5.00	6.71	
47 Ethyl acetate	70	2.973	2.973	0.000	43	237	1.00	1.34	
48 Methyl acrylate	55	3.009	3.009	0.000	1	784	0.5000	0.4598	
50 Chlorobromomethane	128	3.073	3.073	0.000	56	751	0.5000	0.5808	
49 Methacrylonitrile	67	3.080	3.080	0.000	87	3711	5.00	4.81	
51 Tetrahydrofuran	42	3.138	3.138	0.000	29	719	1.00	1.06	
52 Chloroform	83	3.159	3.159	0.000	98	2346	0.5000	0.5571	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	103761	50.0	52.3	
54 1,1,1-Trichloroethane	97	3.302	3.302	0.000	93	1488	0.5000	0.4363	
55 Cyclohexane	84	3.352	3.352	0.000	91	1598	0.5000	0.4772	
57 1,1-Dichloropropene	75	3.452	3.452	0.000	91	1601	0.5000	0.4781	
56 Carbon tetrachloride	117	3.452	3.452	0.000	81	1262	0.5000	0.4593	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.574	3.574	0.000	0	108898	50.0	51.7	
59 Isobutyl alcohol	43	3.602	3.602	0.000	75	553	12.5	11.8	a
60 Benzene	78	3.631	3.631	0.000	92	5017	0.5000	0.5183	
61 1,2-Dichloroethane	62	3.645	3.645	0.000	36	1873	0.5000	0.5824	
62 Isooctane	57	3.738	3.738	0.000	90	2108	0.5000	0.4919	
63 Isopropyl acetate	61	3.745	3.745	0.000	64	274	0.5000	0.4228	Ma
64 Tert-amyl methyl ether	73	3.767	3.767	0.000	97	2606	0.5000	0.4436	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	541696	50.0	50.0	
66 n-Heptane	43	3.917	3.917	0.000	70	1106	0.5000	0.6137	a
68 Trichloroethene	95	4.274	4.274	0.000	91	1155	0.5000	0.4382	
67 n-Butanol	56	4.289	4.289	0.000	27	290	12.5	8.96	a
69 Ethyl acrylate	55	4.453	4.453	0.000	1	886	0.5000	0.3452	M
70 Methylcyclohexane	83	4.460	4.460	0.000	89	1628	0.5000	0.4872	
71 1,2-Dichloropropane	63	4.496	4.496	0.000	79	1152	0.5000	0.4722	
73 Dibromomethane	93	4.603	4.603	0.000	23	746	0.5000	0.5257	M
* 72 1,4-Dioxane-d8	96	4.611	4.611	0.000	0	26931	1000.0	1000.0	
74 1,4-Dioxane	88	4.675	4.675	0.000	41	696	25.0	26.1	
75 Methyl methacrylate	100	4.675	4.675	0.000	86	427	1.00	0.7802	
76 n-Propyl acetate	43	4.754	4.754	0.000	72	952	0.5000	0.4323	
77 Dichlorobromomethane	83	4.804	4.804	0.000	94	1509	0.5000	0.4926	
78 2-Nitropropane	41	5.068	5.068	0.000	62	291	1.00	1.07	M
79 2-Chloroethyl vinyl ether	63	5.197	5.197	0.000	2	127	0.5012	0.3028	Ma
80 Epichlorohydrin	57	5.240	5.240	0.000	95	1313	10.0	10.5	a
81 cis-1,3-Dichloropropene	75	5.333	5.333	0.000	93	1364	0.5000	0.4055	
82 4-Methyl-2-pentanone (MIBK	43	5.554	5.554	0.000	96	3237	2.50	2.42	
\$ 83 Toluene-d8 (Surr)	98	5.647	5.647	0.000	99	429148	50.0	52.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	5.733	5.733	0.000	93	6226	0.5000	0.5769	
85 trans-1,3-Dichloropropene	75	6.048	6.048	0.000	92	1261	0.5000	0.4476	
86 Ethyl methacrylate	69	6.226	6.226	0.000	28	773	0.5000	0.3463	
87 1,1,2-Trichloroethane	83	6.269	6.269	0.000	93	796	0.5000	0.4657	
88 Tetrachloroethene	166	6.427	6.427	0.000	95	1405	0.5000	0.5111	
89 1,3-Dichloropropane	76	6.477	6.477	0.000	90	1692	0.5000	0.4832	
90 2-Hexanone	43	6.670	6.670	0.000	94	2030	2.50	2.14	
91 Chlorodibromomethane	129	6.770	6.770	0.000	94	855	0.5000	0.4092	
92 n-Butyl acetate	43	6.877	6.877	0.000	77	903	0.5000	0.3820	a
93 Ethylene Dibromide	107	6.899	6.899	0.000	95	1093	0.5000	0.5284	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	85	420226	50.0	50.0	
95 Chlorobenzene	112	7.614	7.614	0.000	92	3756	0.5000	0.5243	
96 1,1,1,2-Tetrachloroethane	131	7.764	7.764	0.000	85	889	0.5000	0.4119	
97 Ethylbenzene	106	7.835	7.835	0.000	98	1789	0.5000	0.4794	
98 m-Xylene & p-Xylene	106	8.014	8.014	0.000	97	2344	0.5000	0.5058	
99 o-Xylene	106	8.600	8.600	0.000	94	2238	0.5000	0.4979	
100 Styrene	104	8.629	8.629	0.000	95	3023	0.5000	0.4218	
101 n-Butyl acrylate	73	8.693	8.693	0.000	96	401	0.5000	0.5051	
102 Bromoform	173	8.858	8.858	0.000	89	607	0.5000	0.4672	
103 Amyl acetate (mixed isomer)	43	9.101	9.101	0.000	93	901	0.5000	0.5122	
104 Isopropylbenzene	105	9.208	9.208	0.000	96	5461	0.5000	0.5129	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	92	142489	50.0	52.1	
106 Bromobenzene	156	9.609	9.609	0.000	95	1554	0.5000	0.4979	
107 1,1,2,2-Tetrachloroethane	83	9.723	9.723	0.000	88	1144	0.5000	0.4726	
108 1,2,3-Trichloropropane	110	9.752	9.752	0.000	85	408	0.5000	0.5265	a
109 trans-1,4-Dichloro-2-buten	53	9.830	9.830	0.000	1	185	0.5000	0.3647	a
110 N-Propylbenzene	91	9.880	9.880	0.000	99	6296	0.5000	0.5321	
111 2-Chlorotoluene	91	9.952	9.952	0.000	96	4165	0.5000	0.5219	
112 4-Ethyltoluene	105	10.080	10.080	0.000	98	5187	0.5000	0.5106	
113 4-Chlorotoluene	91	10.145	10.145	0.000	96	4124	0.5000	0.5168	
114 1,3,5-Trimethylbenzene	105	10.202	10.202	0.000	96	4193	0.5000	0.4972	
115 Butyl Methacrylate	87	10.488	10.488	0.000	89	823	0.5000	0.2697	
116 tert-Butylbenzene	119	10.710	10.710	0.000	94	3610	0.5000	0.5024	
117 1,2,4-Trimethylbenzene	105	10.803	10.803	0.000	95	4046	0.5000	0.4838	
118 sec-Butylbenzene	105	11.081	11.081	0.000	97	4816	0.5000	0.5142	
119 1,3-Dichlorobenzene	146	11.182	11.182	0.000	92	2931	0.5000	0.5197	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	95	233439	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.325	11.325	0.000	85	3041	0.5000	0.5260	
122 4-Isopropyltoluene	119	11.346	11.346	0.000	96	3769	0.5000	0.4788	
123 1,2,3-Trimethylbenzene	105	11.439	11.439	0.000	97	4260	0.5000	0.4984	
124 Benzyl chloride	126	11.553	11.553	0.000	31	158	0.5000	0.2038	
125 2,3-Dihydroindene	117	11.682	11.682	0.000	93	5060	0.5000	0.5270	
126 1,2-Dichlorobenzene	146	11.818	11.818	0.000	93	2668	0.5000	0.4881	
127 p-Diethylbenzene	119	11.875	11.875	0.000	92	2028	0.5000	0.4970	
128 n-Butylbenzene	92	11.904	11.904	0.000	95	1676	0.5000	0.5023	
129 1,2-Dibromo-3-Chloropropan	75	12.726	12.726	0.000	32	185	0.5000	0.4338	a
130 1,2,4,5-Tetramethylbenzene	119	12.747	12.747	0.000	97	4053	0.5000	0.5432	
131 1,3,5-Trichlorobenzene	180	12.941	12.941	0.000	95	1588	0.5000	0.4912	
132 1,2,4-Trichlorobenzene	180	13.520	13.520	0.000	90	1537	0.5000	0.5291	
133 Hexachlorobutadiene	225	13.691	13.691	0.000	78	457	0.5000	0.4426	
134 Naphthalene	128	13.713	13.713	0.000	98	3758	0.5000	0.5651	
135 1,2,3-Trichlorobenzene	180	13.920	13.920	0.000	91	1249	0.5000	0.4873	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 1,2-Dichloroethene, Total	100				0		1.00	0.9497	
S 138 Xylenes, Total	100				0		1.00	1.00	
S 139 Total BTEX	1				0		2.50	2.58	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00339	Amount Added: 5.00	Units: uL	
524freon_00013	Amount Added: 5.00	Units: uL	
8260MIX1COMB_00107	Amount Added: 5.00	Units: uL	
ACROLEIN W_00097	Amount Added: 2.00	Units: uL	
14DIOXINTER_00106	Amount Added: 15.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: STD05

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

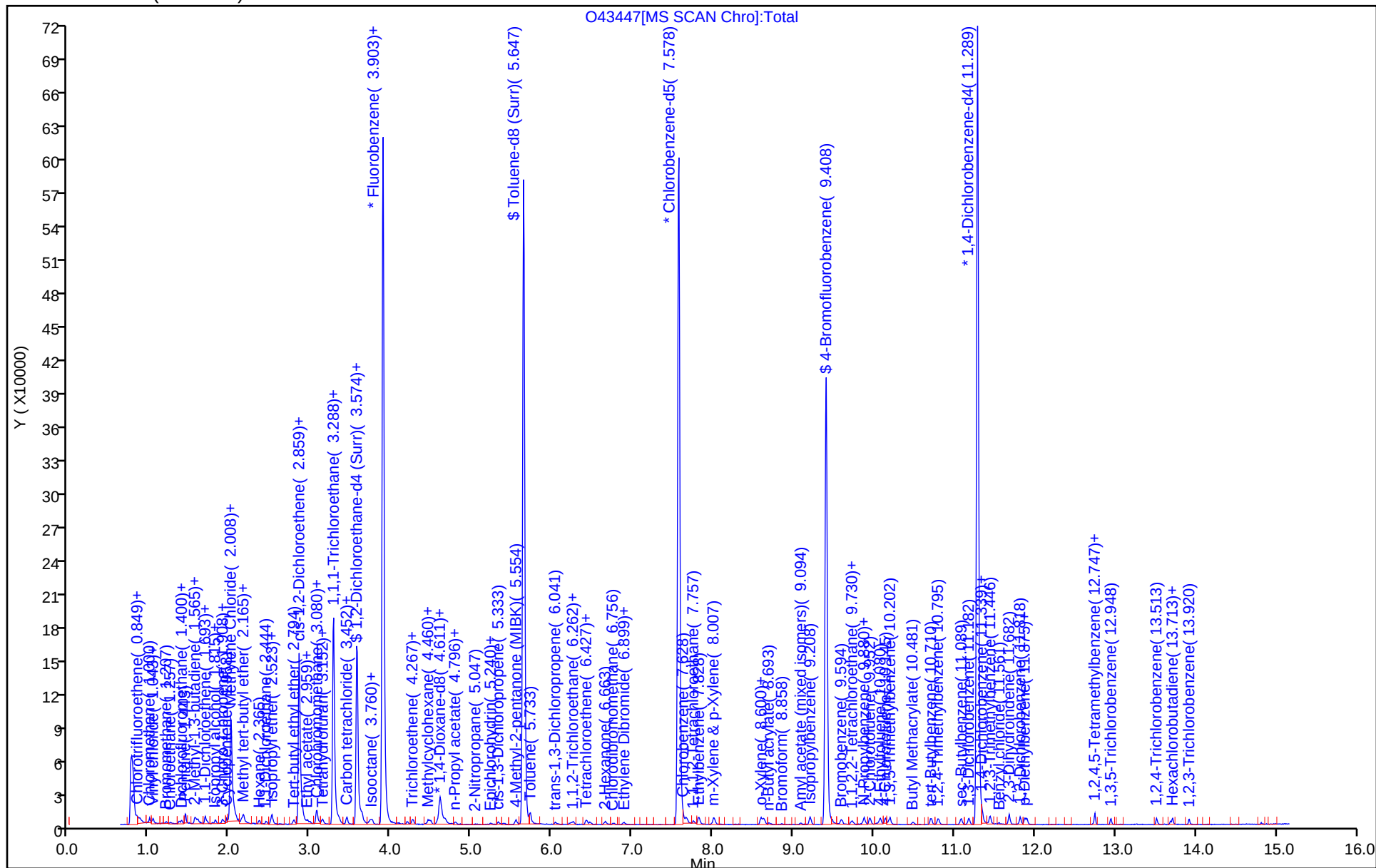
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

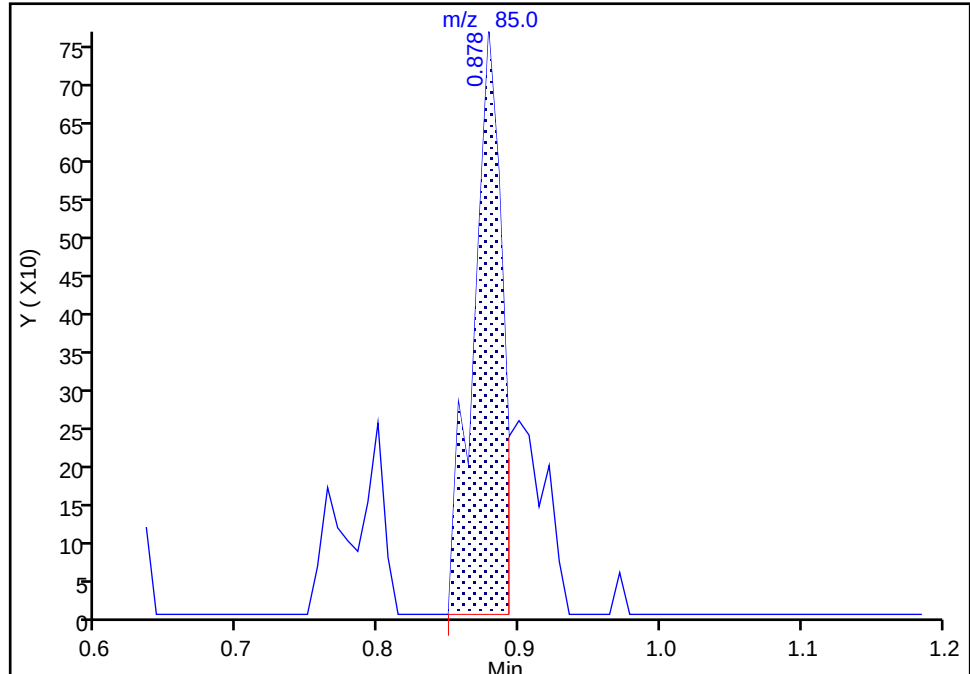
MS SCAN

4 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

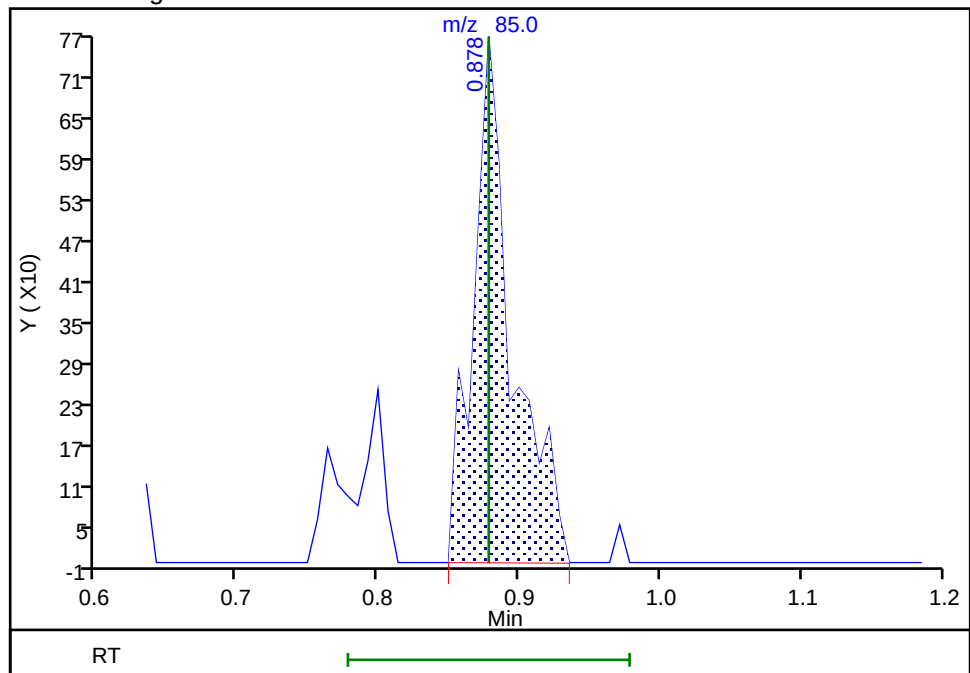
RT: 0.88
Area: 1095
Amount: 0.400111
Amount Units: ug/l

Processing Integration Results



RT: 0.88
Area: 1483
Amount: 0.520790
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 04-Nov-2019 19:14:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

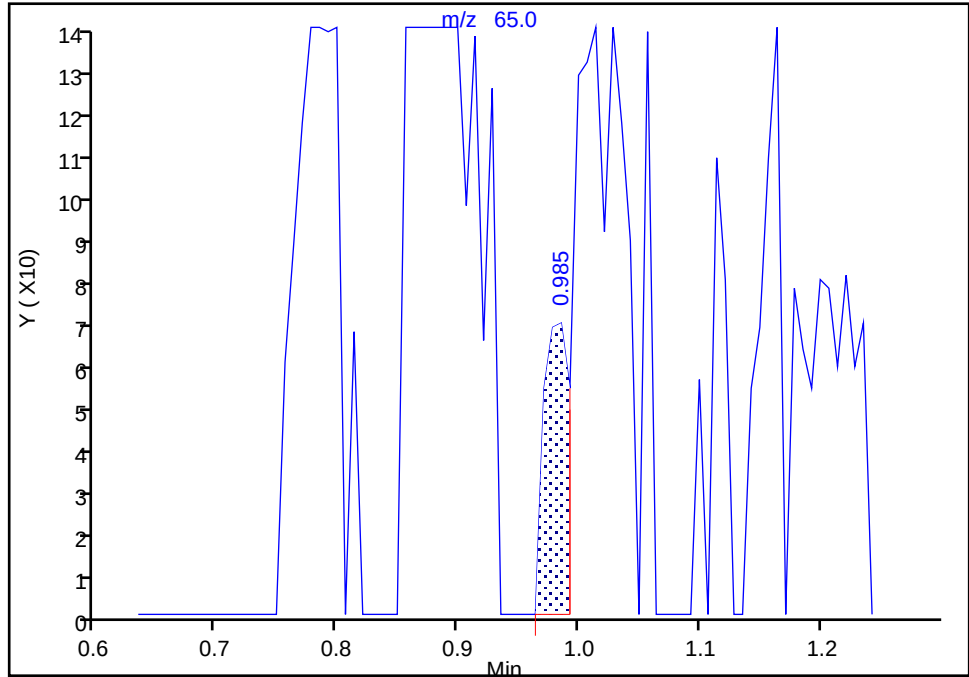
Detector: MS SCAN

3 1,1-Difluoroethane, CAS: 75-37-6

Signal: 1

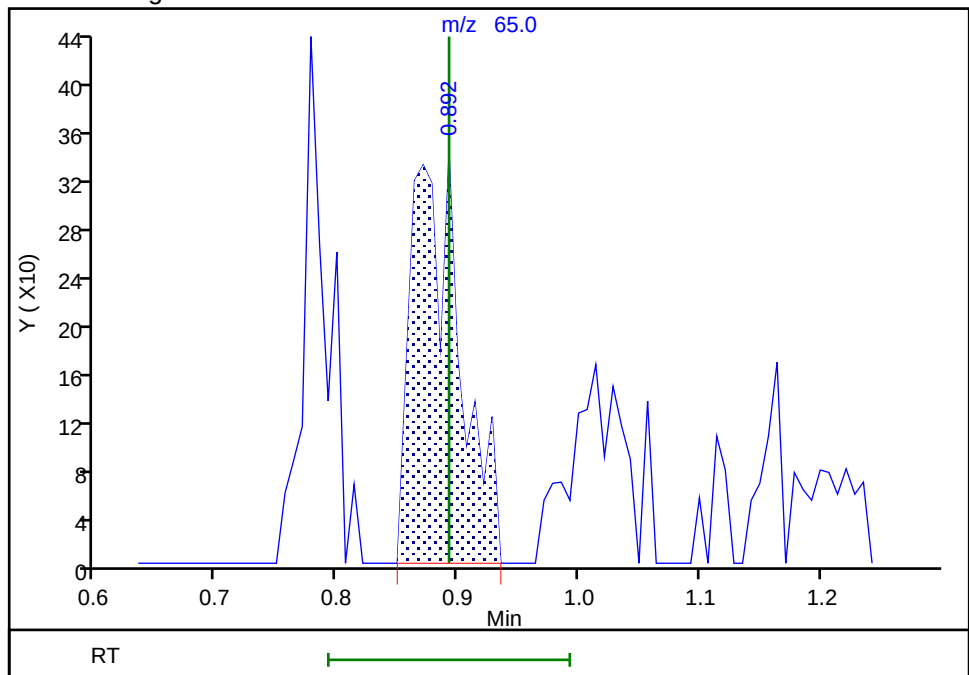
RT: 0.99
Area: 102
Amount: 0.071212
Amount Units: ug/l

Processing Integration Results



RT: 0.89
Area: 946
Amount: 0.634393
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 04-Nov-2019 19:13:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

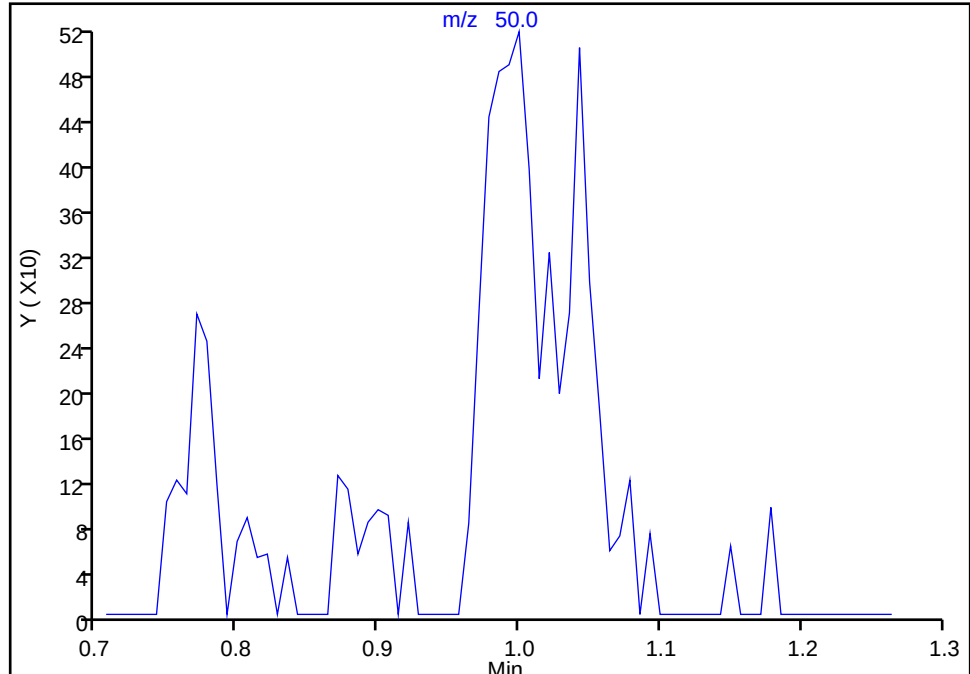
6 Chloromethane, CAS: 74-87-3

Signal: 1

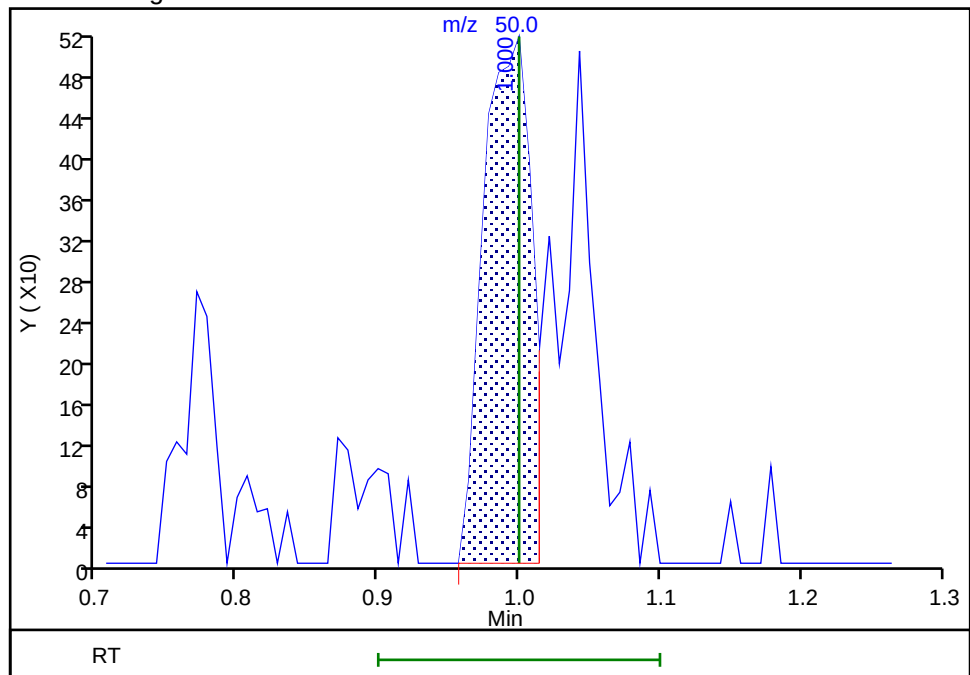
Not Detected

Expected RT: 1.00

Processing Integration Results



Manual Integration Results



RT: 1.00

Area: 1223

Amount: 0.481424

Amount Units: ug/l

Reviewer: tupayachia, 04-Nov-2019 11:13:50

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

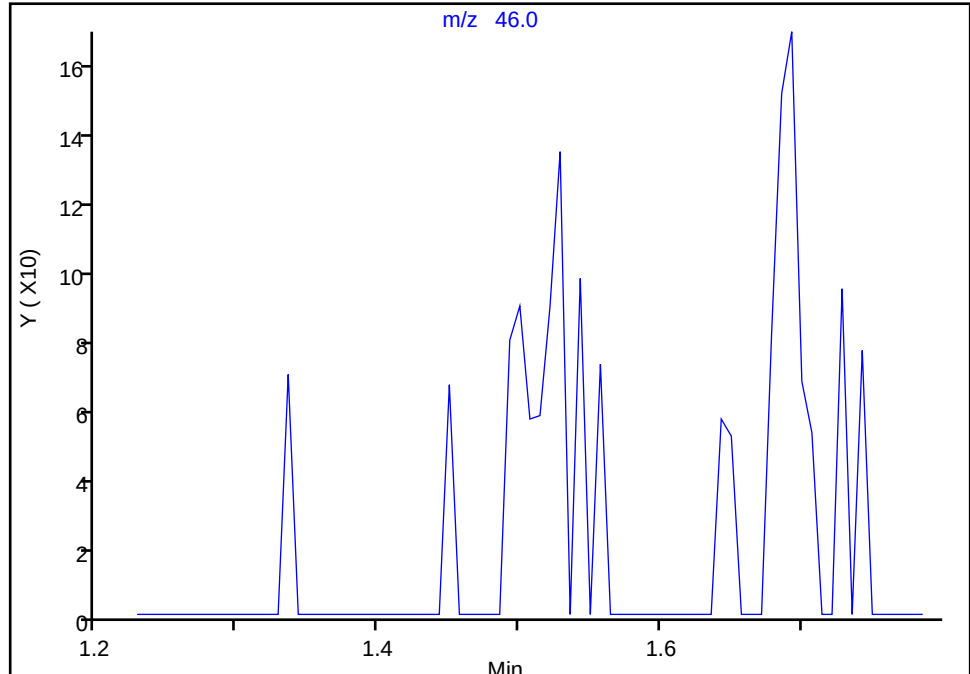
14 Ethanol, CAS: 64-17-5

Signal: 1

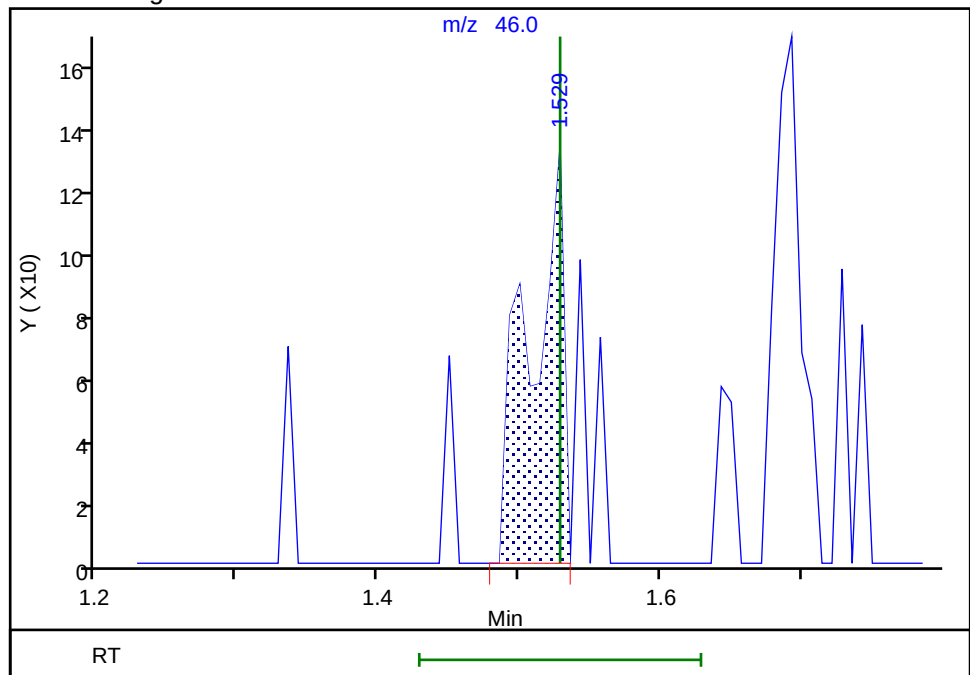
Not Detected

Expected RT: 1.53

Processing Integration Results



Manual Integration Results



RT: 1.53

Area: 219

Amount: 20.417287

Amount Units: ug/l

Reviewer: tupayachia, 04-Nov-2019 11:14:06

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#:

4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

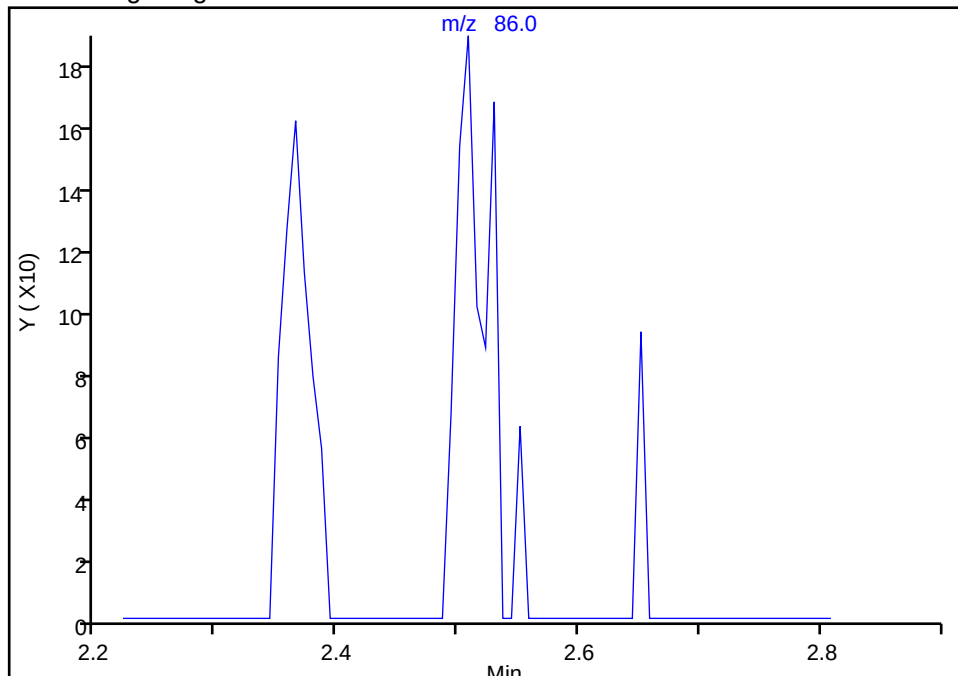
38 Vinyl acetate, CAS: 108-05-4

Signal: 1

Not Detected

Expected RT: 2.51

Processing Integration Results



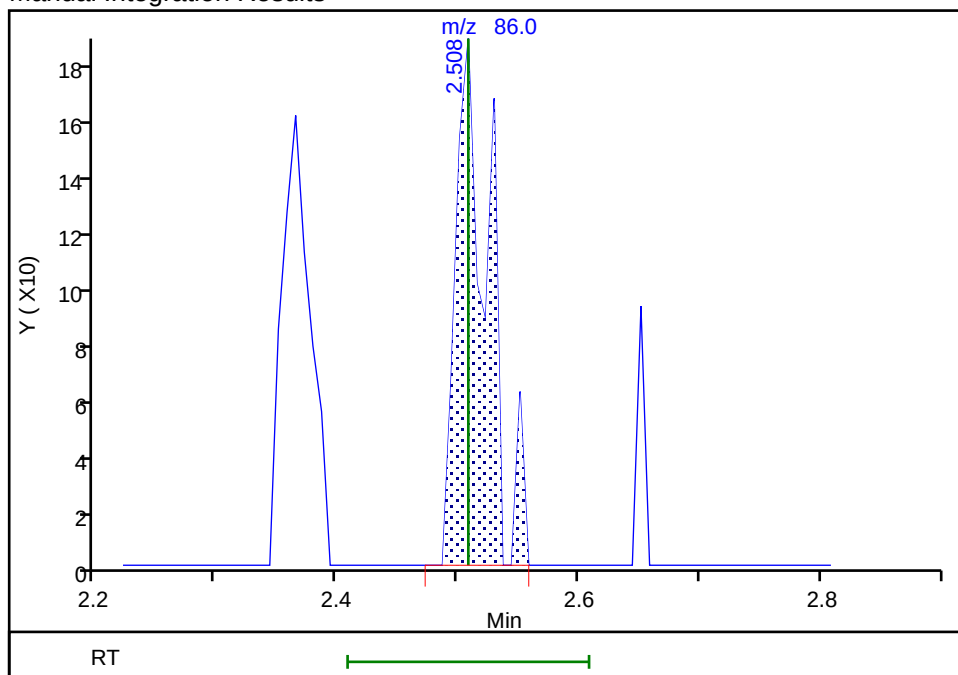
RT: 2.51

Area: 347

Amount: 1.235207

Amount Units: ug/l

Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 11:14:25

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#:

4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

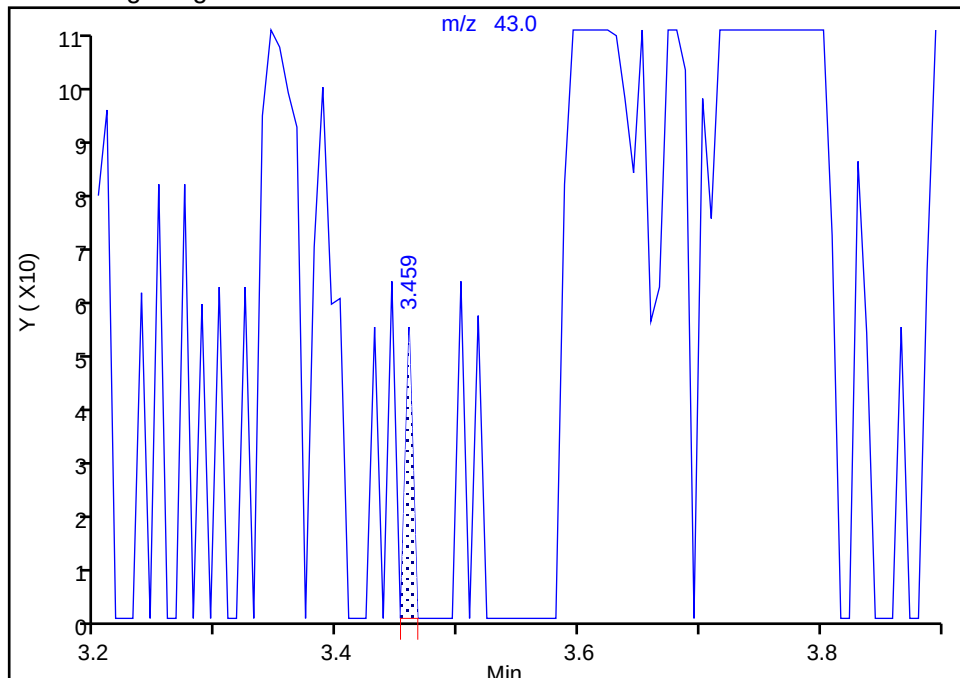
Detector: MS SCAN

59 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

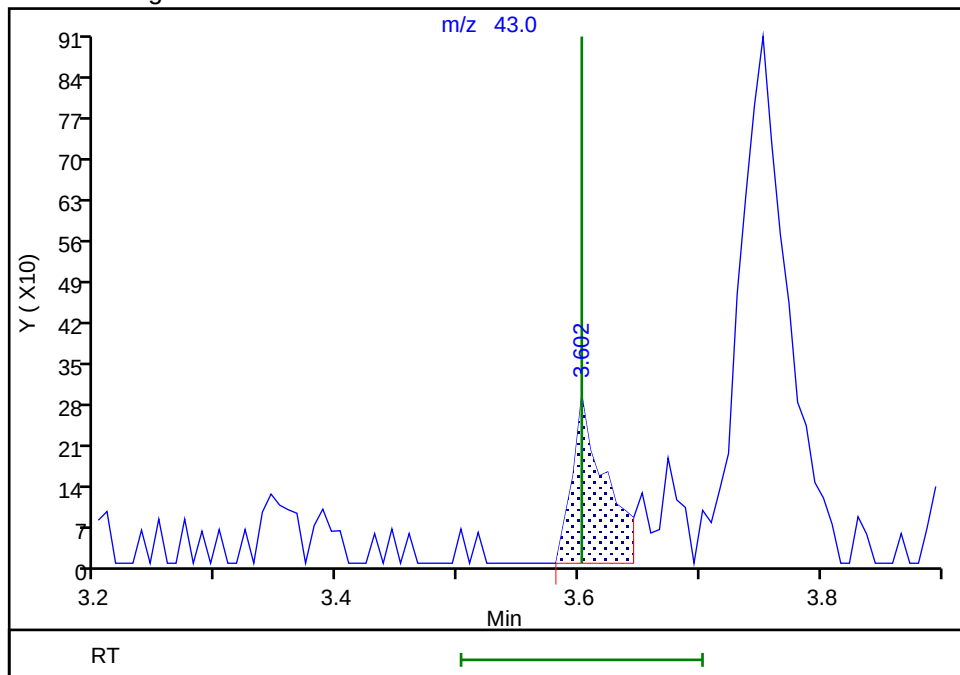
RT: 3.46
Area: 22
Amount: 0.414500
Amount Units: ug/l

Processing Integration Results



RT: 3.60
Area: 553
Amount: 11.840584
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 04-Nov-2019 19:09:53

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

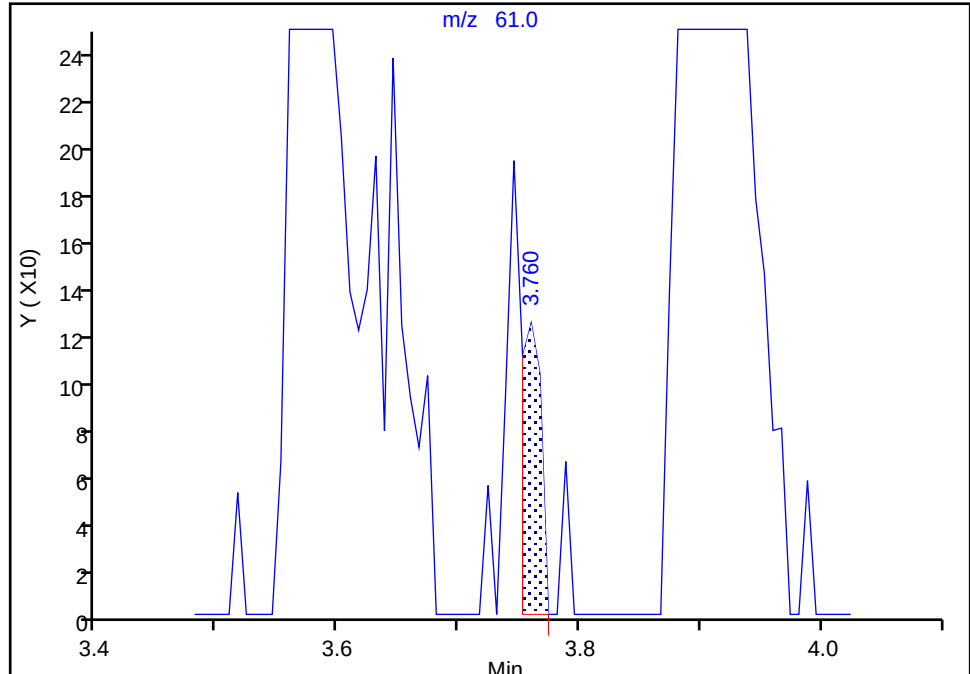
Detector MS SCAN

63 Isopropyl acetate, CAS: 108-21-4

Signal: 1

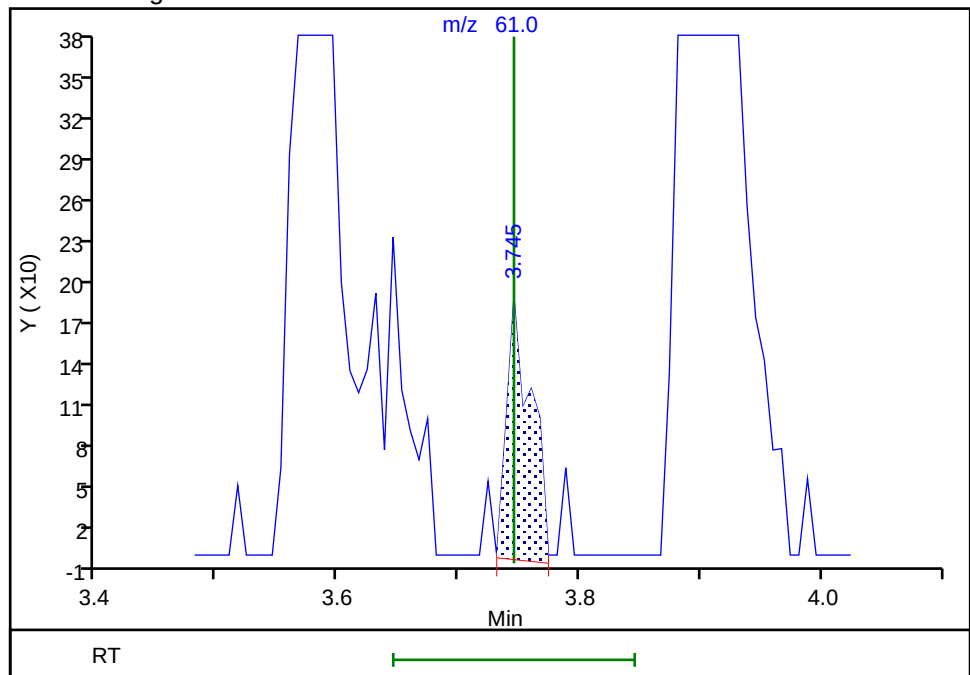
RT: 3.76
Area: 142
Amount: 0.246627
Amount Units: ug/l

Processing Integration Results



RT: 3.75
Area: 274
Amount: 0.422845
Amount Units: ug/l

Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 11:15:07

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#:

4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

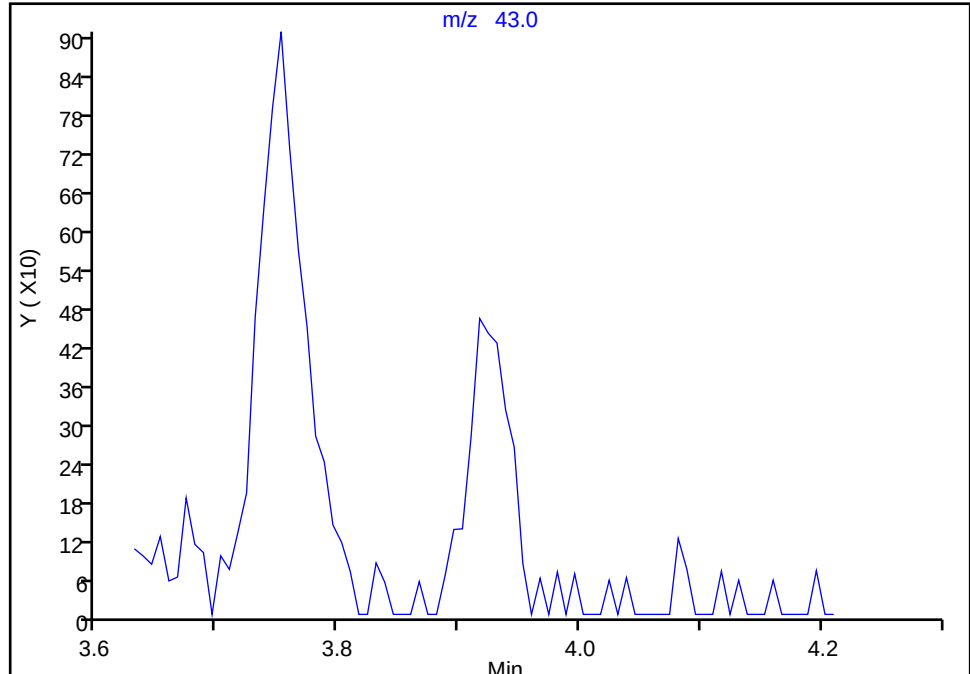
66 n-Heptane, CAS: 142-82-5

Signal: 1

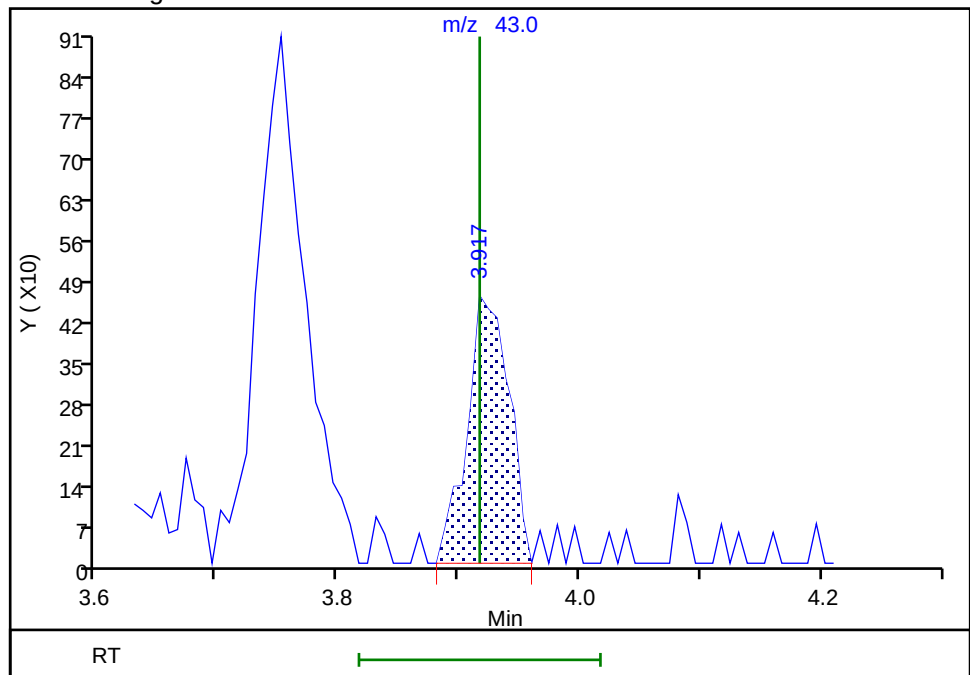
Not Detected

Expected RT: 3.92

Processing Integration Results



Manual Integration Results



RT: 3.92

Area: 1106

Amount: 0.613711

Amount Units: ug/l

Reviewer: tupayachia, 04-Nov-2019 11:15:16

Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#:

4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

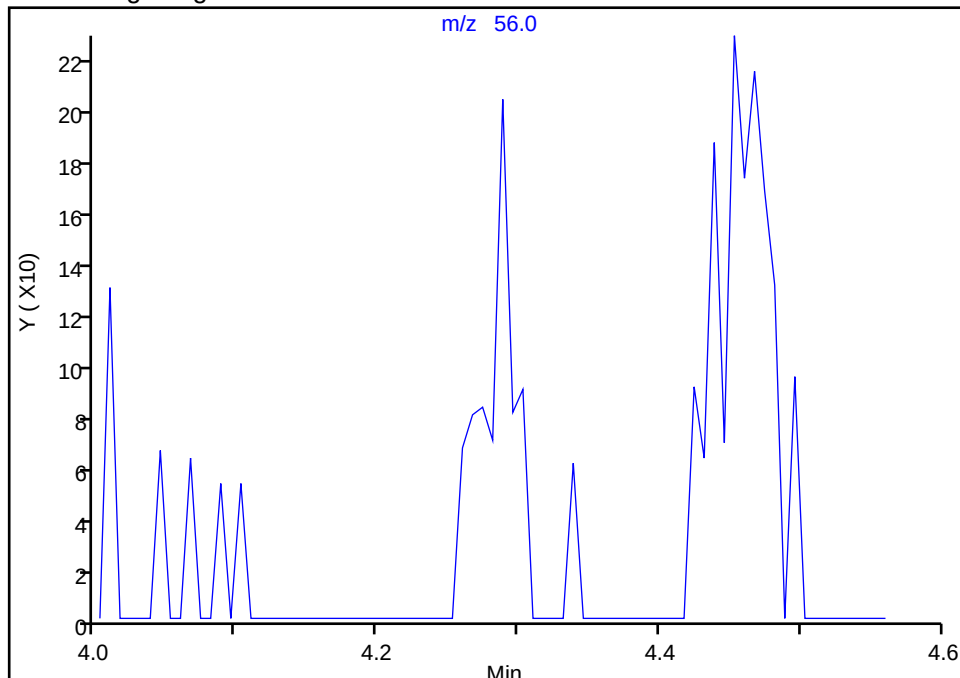
67 n-Butanol, CAS: 71-36-3

Signal: 1

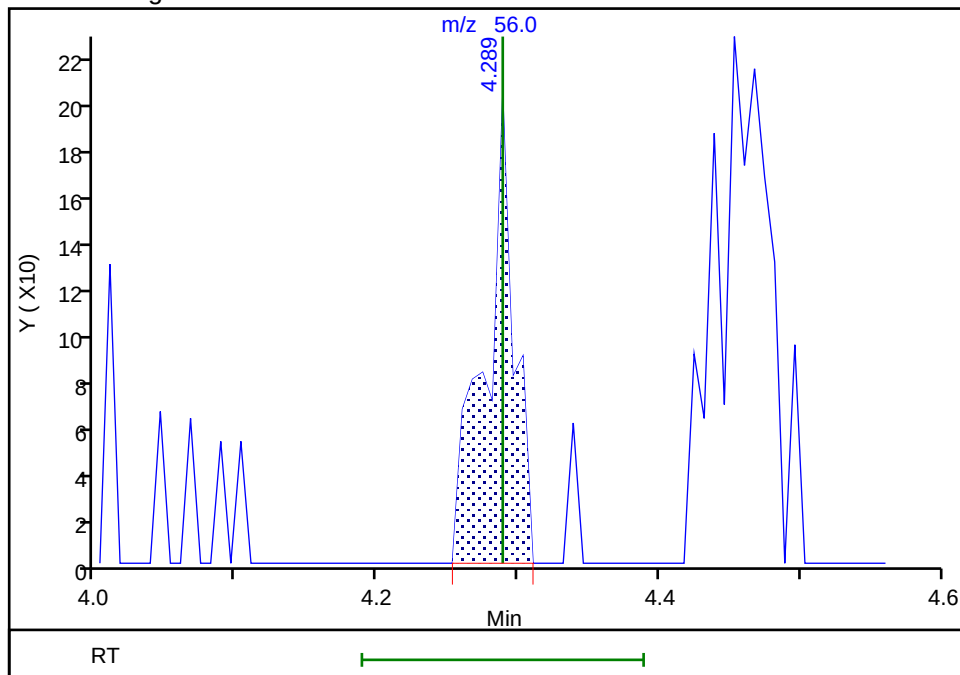
Not Detected

Expected RT: 4.29

Processing Integration Results



Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 11:15:33

Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

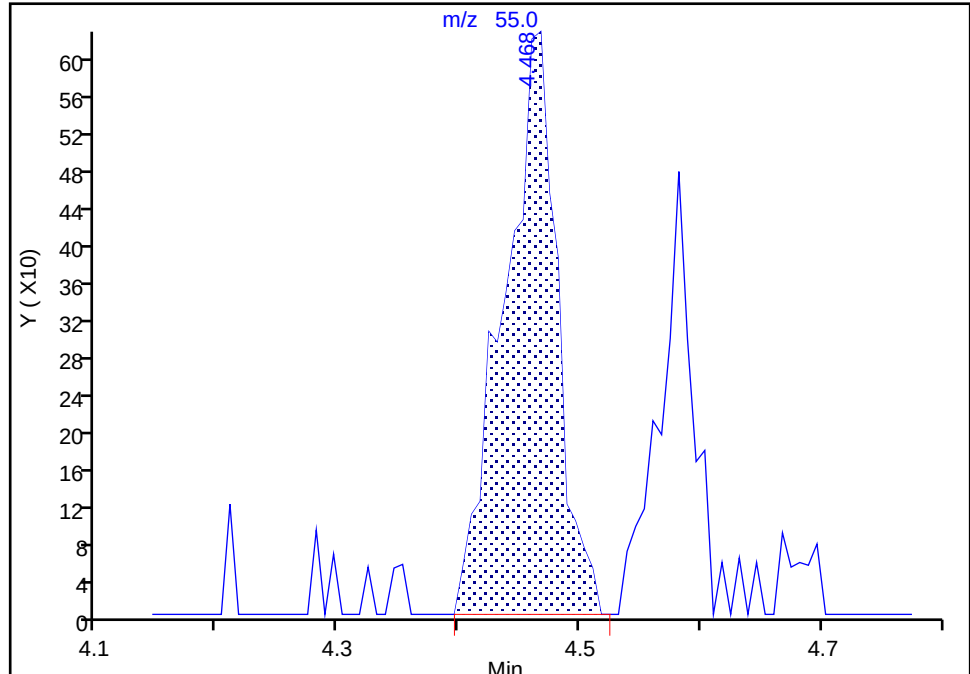
Detector: MS SCAN

69 Ethyl acrylate, CAS: 140-88-5

Signal: 1

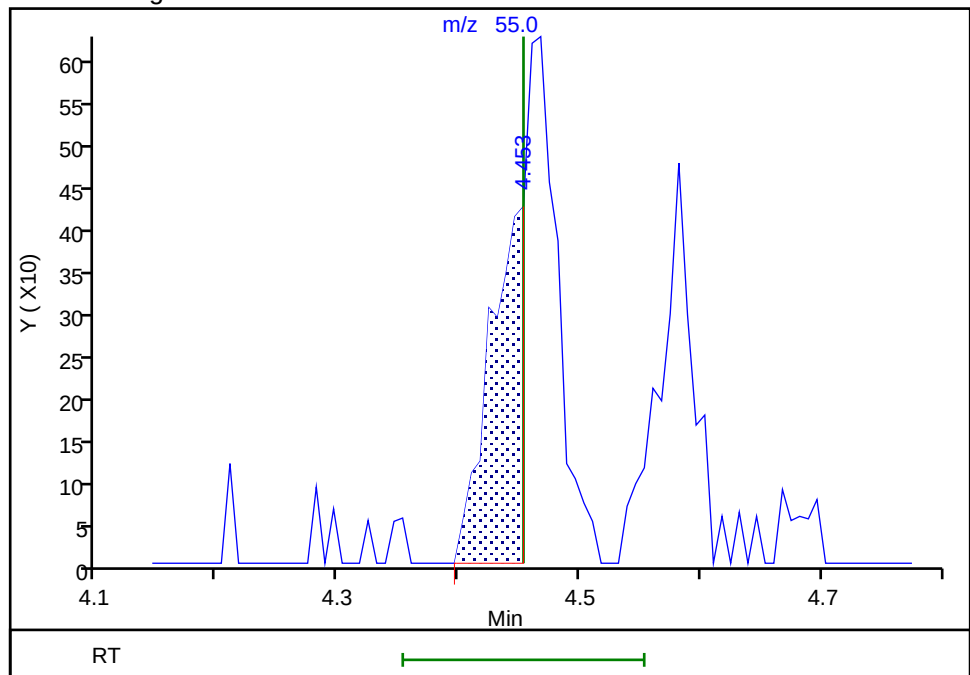
RT: 4.47
Area: 1930
Amount: 0.751921
Amount Units: ug/l

Processing Integration Results



RT: 4.45
Area: 886
Amount: 0.345189
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 05-Nov-2019 09:58:40

Audit Action: Split an Integrated Peak

Audit Reason: Shouldering

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

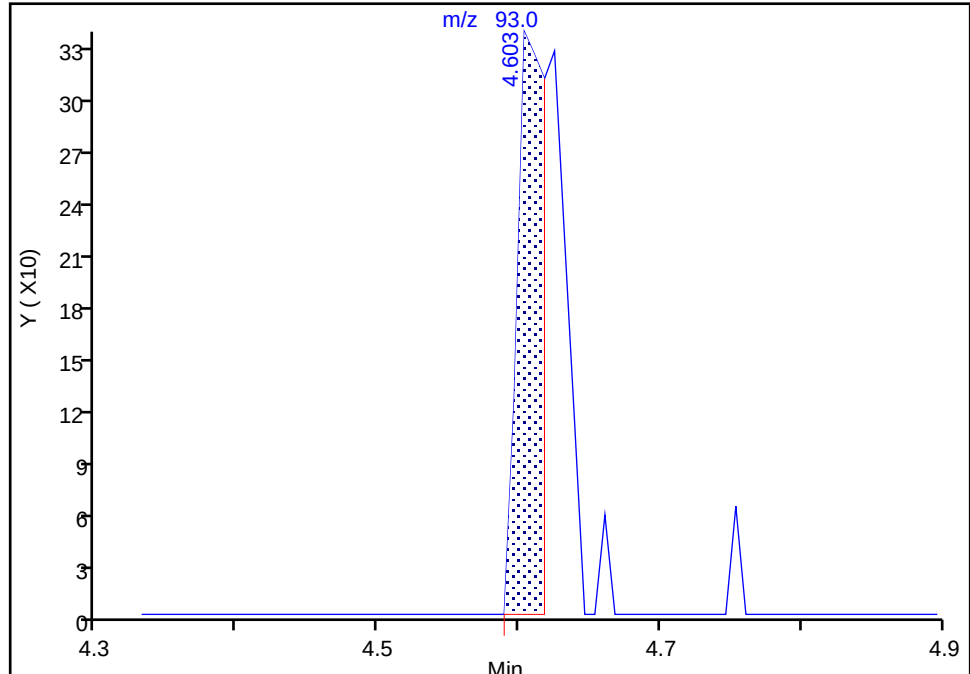
Detector: MS SCAN

73 Dibromomethane, CAS: 74-95-3

Signal: 1

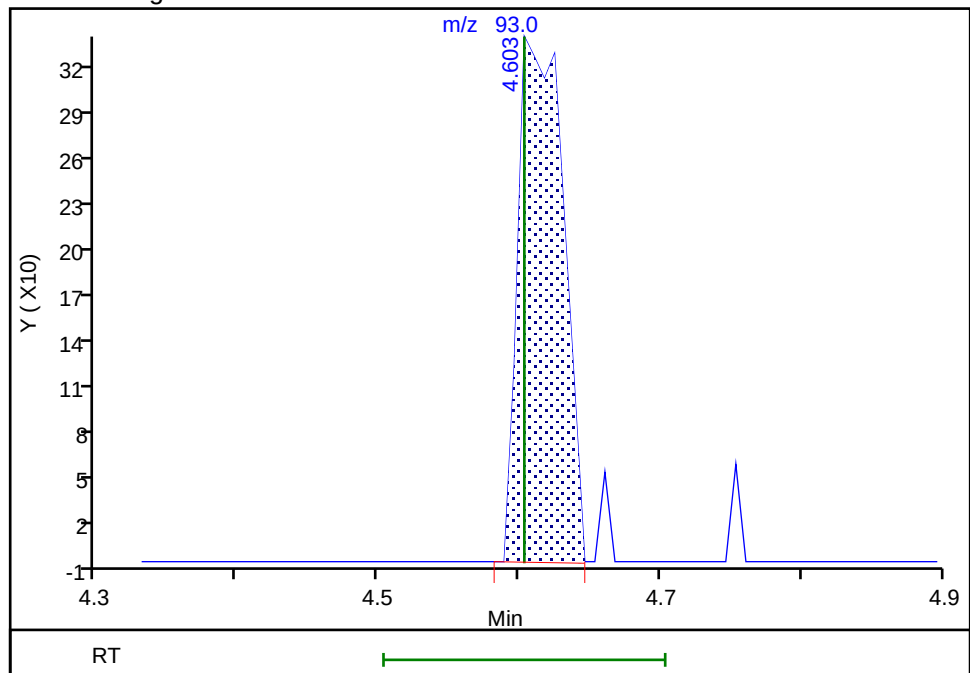
RT: 4.60
Area: 466
Amount: 0.347990
Amount Units: ug/l

Processing Integration Results



RT: 4.60
Area: 746
Amount: 0.525679
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 04-Nov-2019 19:15:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

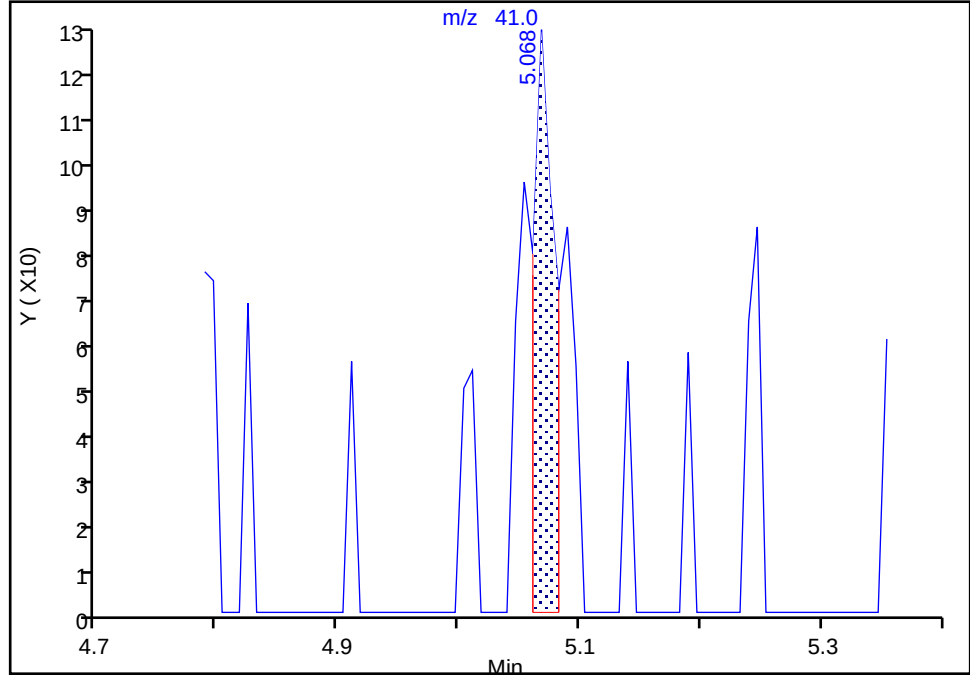
Detector: MS SCAN

78 2-Nitropropane, CAS: 79-46-9

Signal: 1

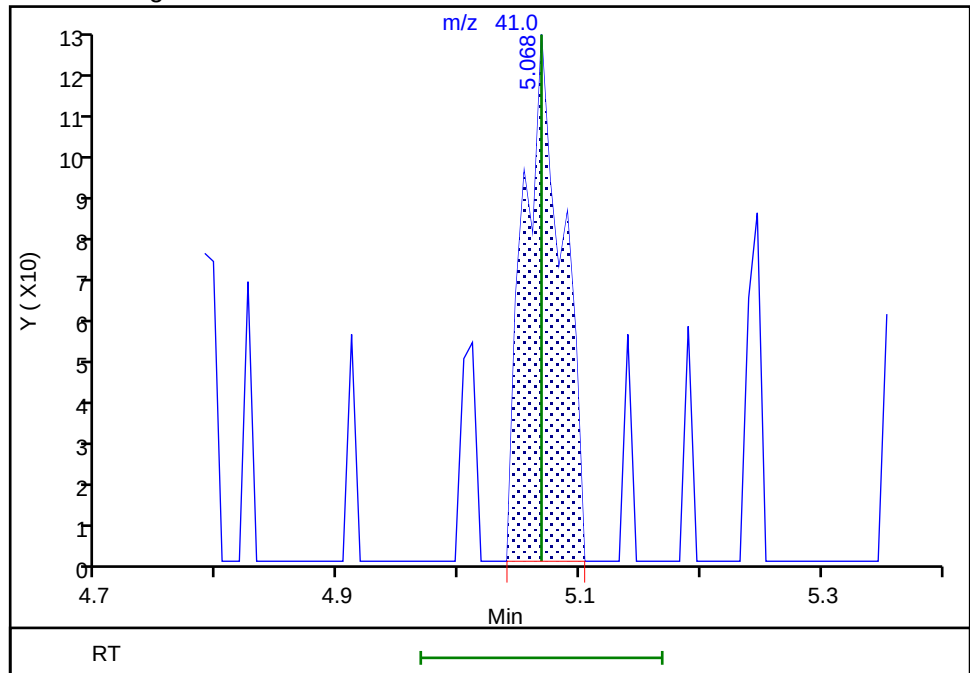
RT: 5.07
Area: 161
Amount: 0.545314
Amount Units: ug/l

Processing Integration Results



RT: 5.07
Area: 291
Amount: 1.066154
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 04-Nov-2019 19:16:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

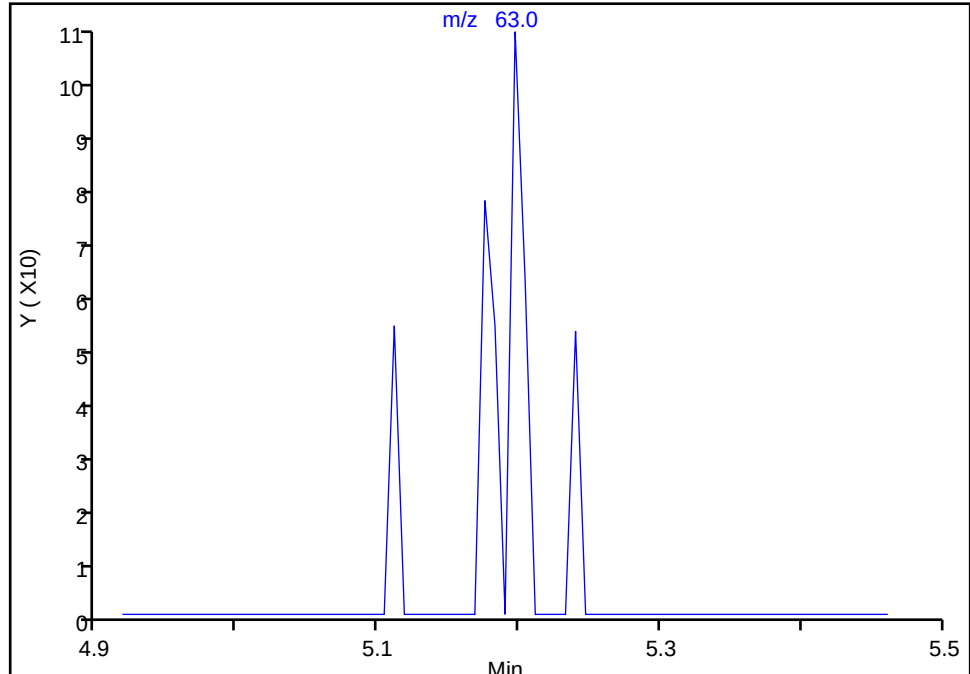
79 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

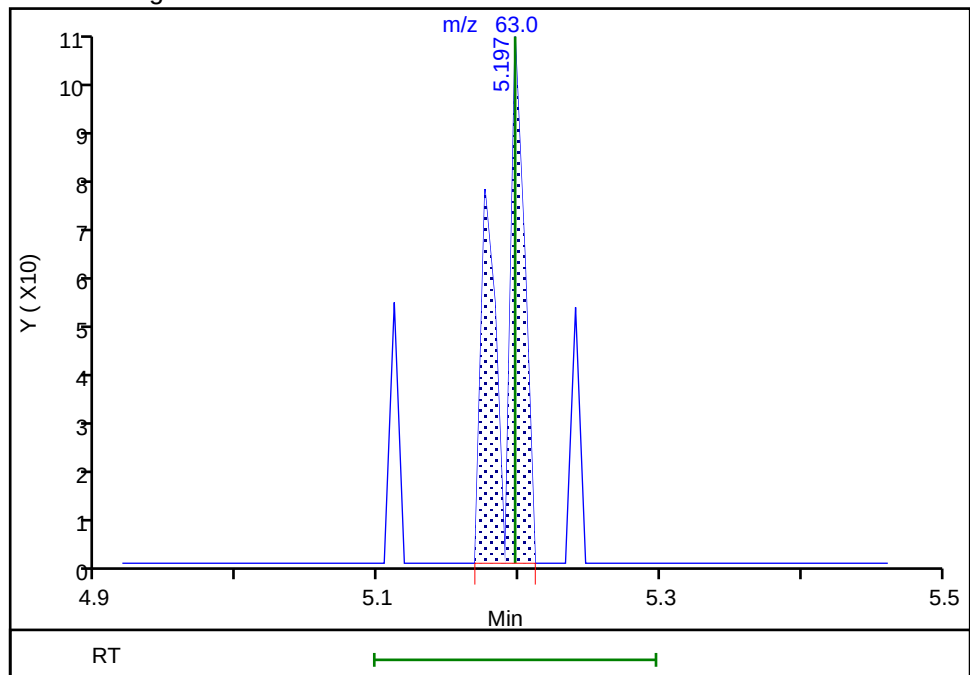
Not Detected

Expected RT: 5.20

Processing Integration Results



Manual Integration Results



RT: 5.20

Area: 127

Amount: 0.302803

Amount Units: ug/l

Reviewer: pakanatir, 04-Nov-2019 19:10:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

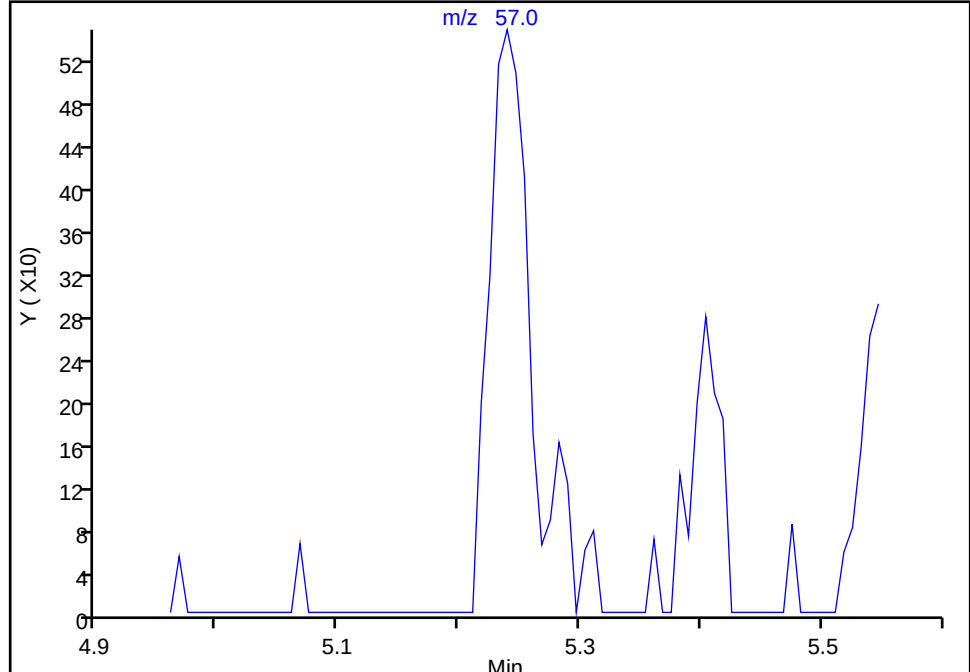
80 Epichlorohydrin, CAS: 106-89-8

Signal: 1

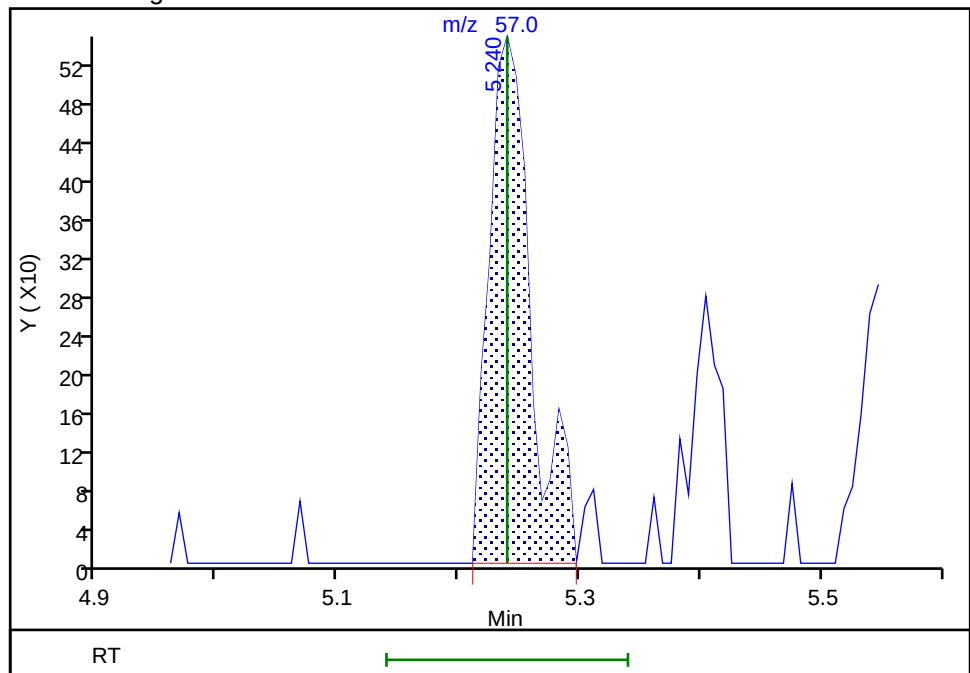
Not Detected

Expected RT: 5.24

Processing Integration Results



Manual Integration Results

RT: 5.24
Area: 1313
Amount: 10.534954
Amount Units: ug/l

Reviewer: tupayachia, 04-Nov-2019 11:16:09

Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

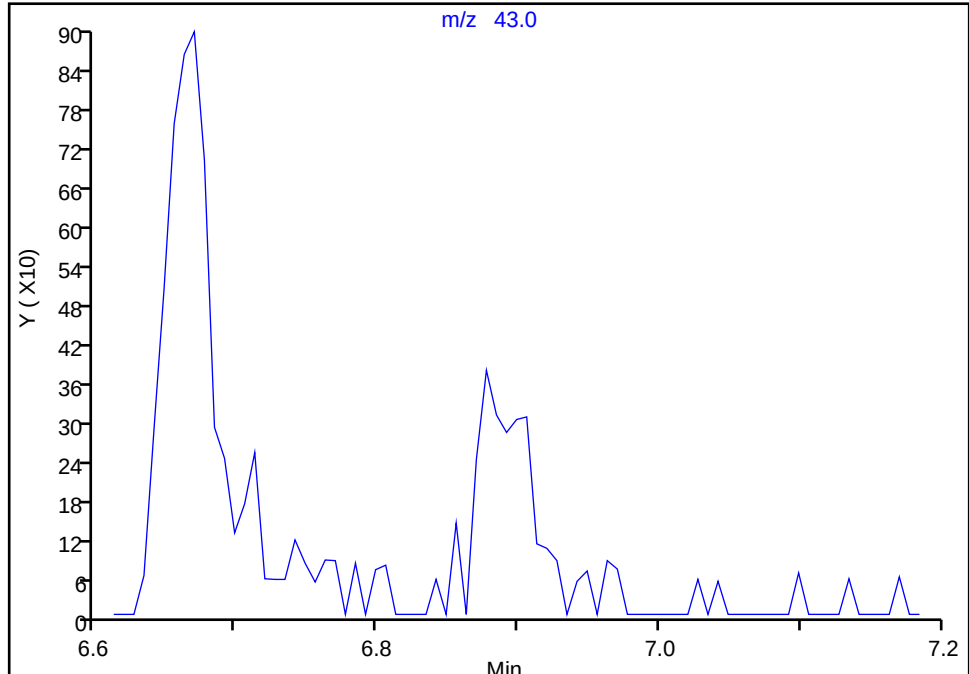
92 n-Butyl acetate, CAS: 123-86-4

Signal: 1

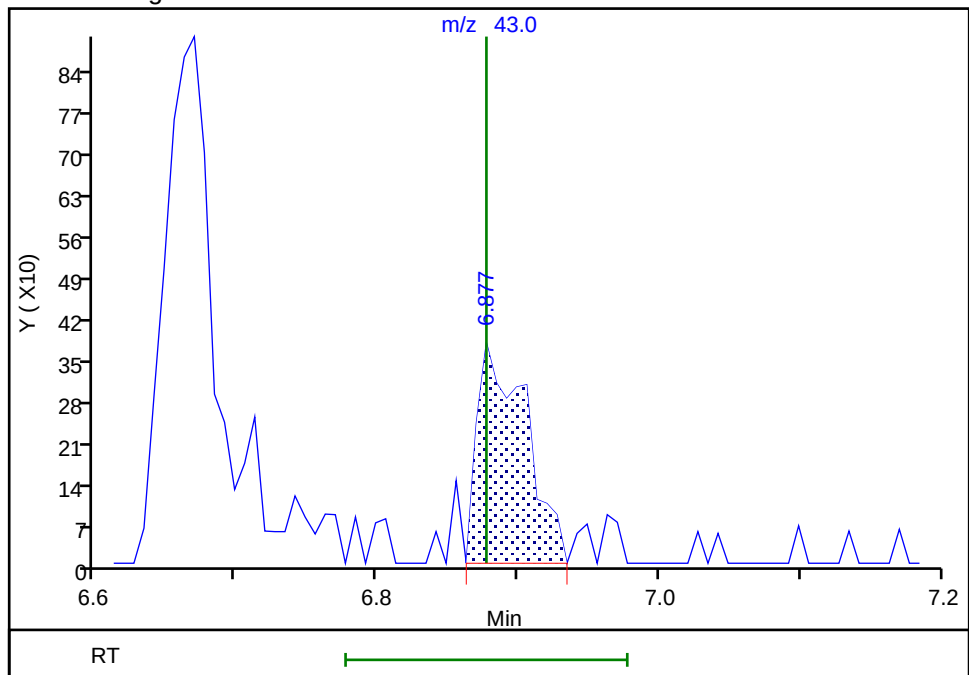
Not Detected

Expected RT: 6.88

Processing Integration Results



Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 11:16:20

Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

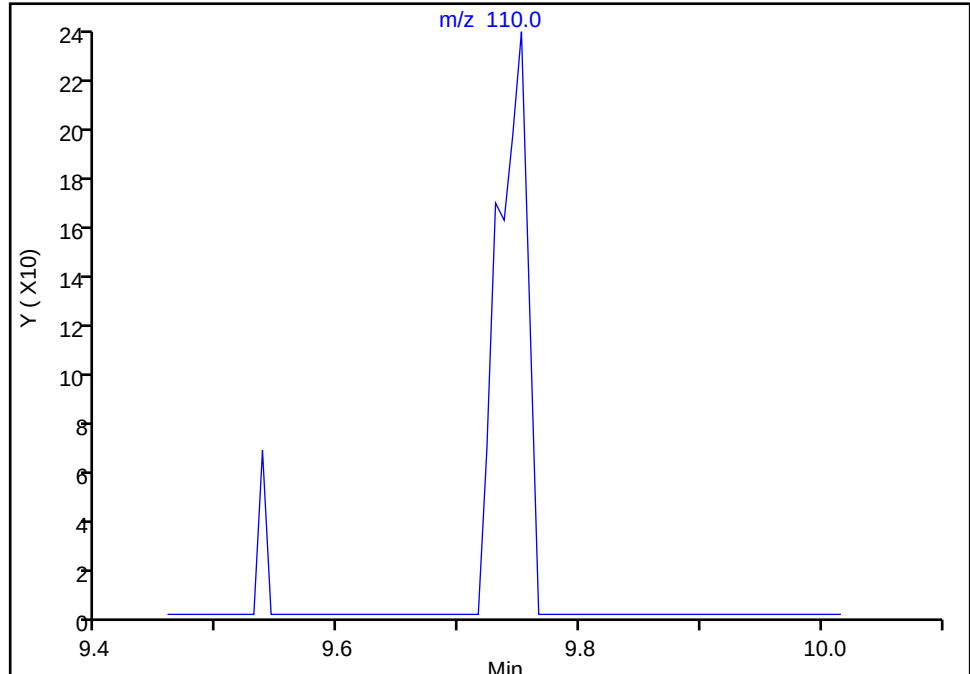
108 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

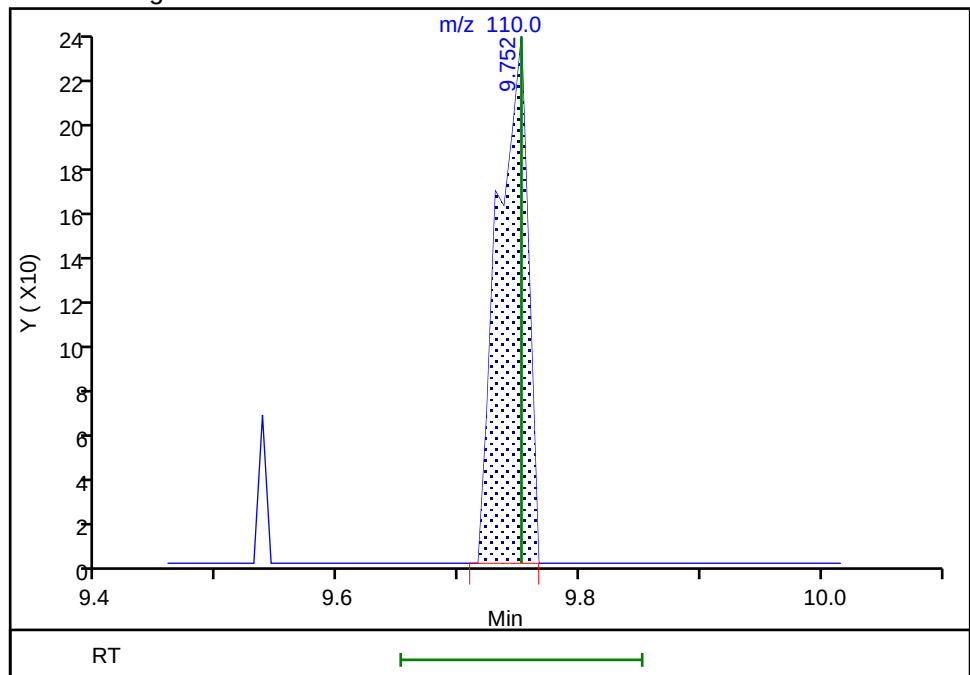
Not Detected

Expected RT: 9.75

Processing Integration Results



Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 11:16:48

Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

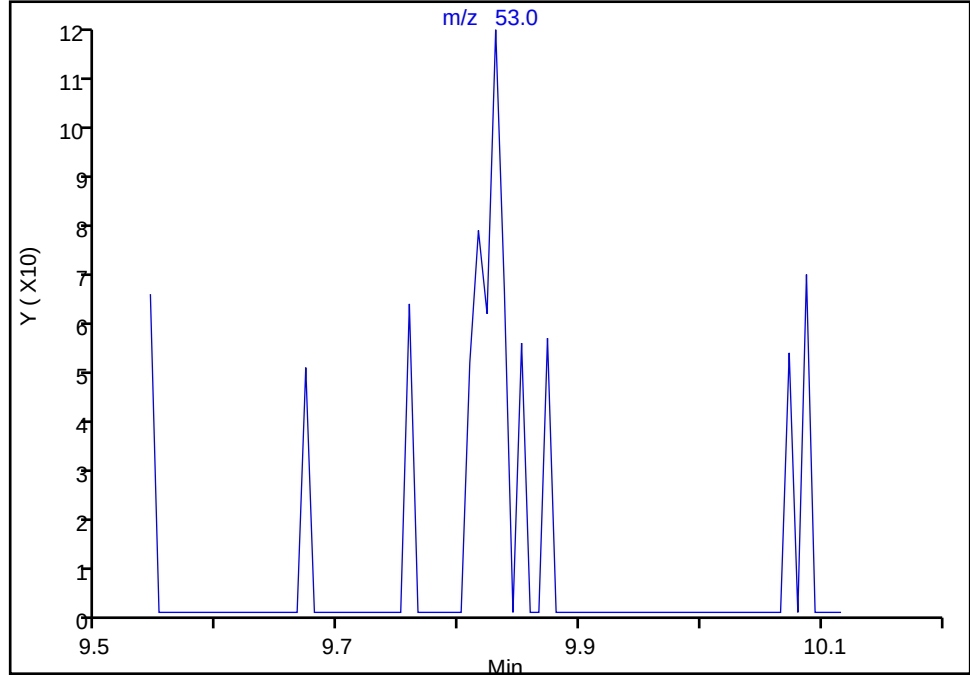
109 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

Not Detected

Expected RT: 9.83

Processing Integration Results



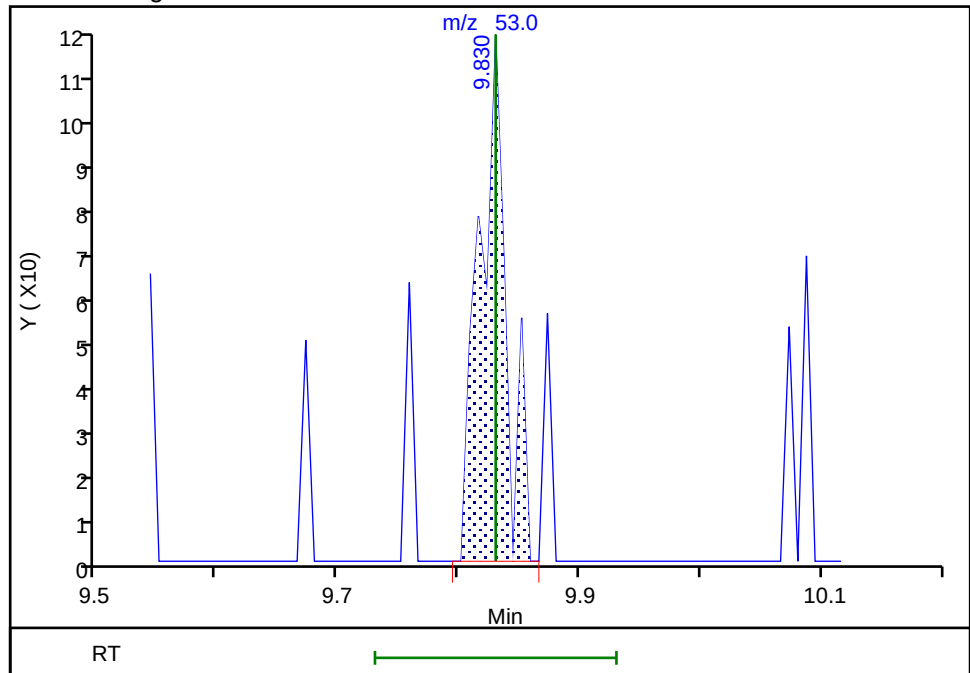
RT: 9.83

Area: 185

Amount: 0.364707

Amount Units: ug/l

Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 11:16:58

Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#:

4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

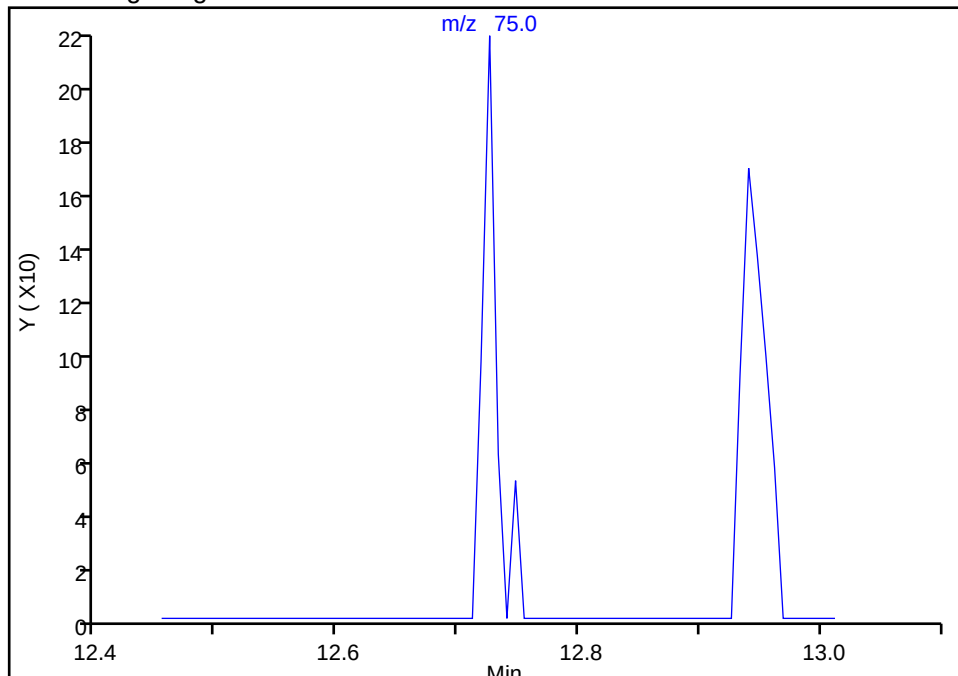
129 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

Not Detected

Expected RT: 12.73

Processing Integration Results



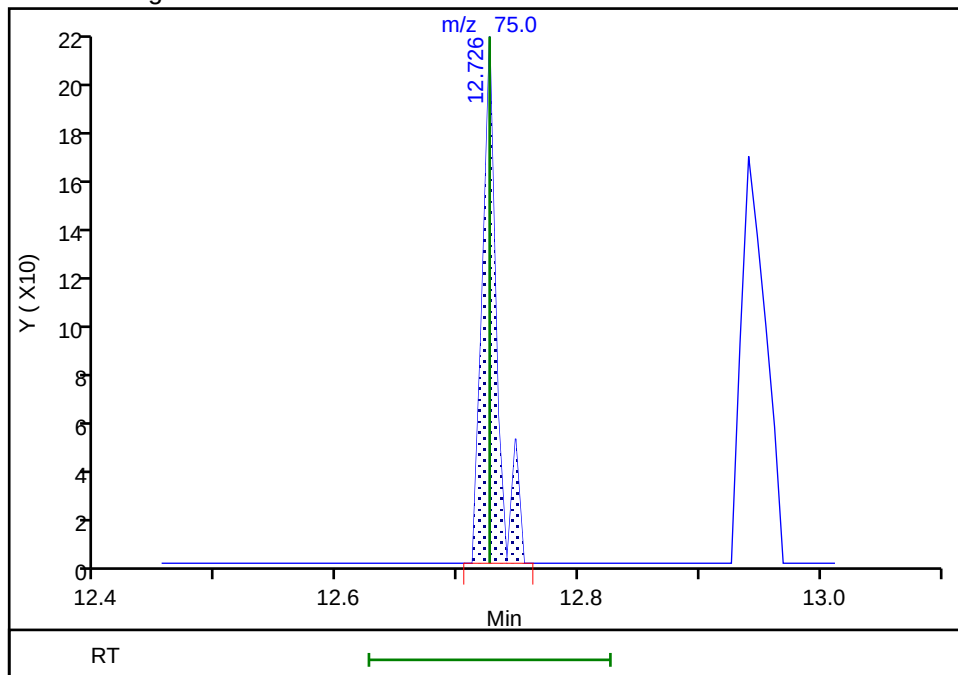
RT: 12.73

Area: 185

Amount: 0.433808

Amount Units: ug/l

Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 11:17:18

Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43447.D

Injection Date: 04-Nov-2019 08:50:30

Instrument ID: CVOAMS12

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

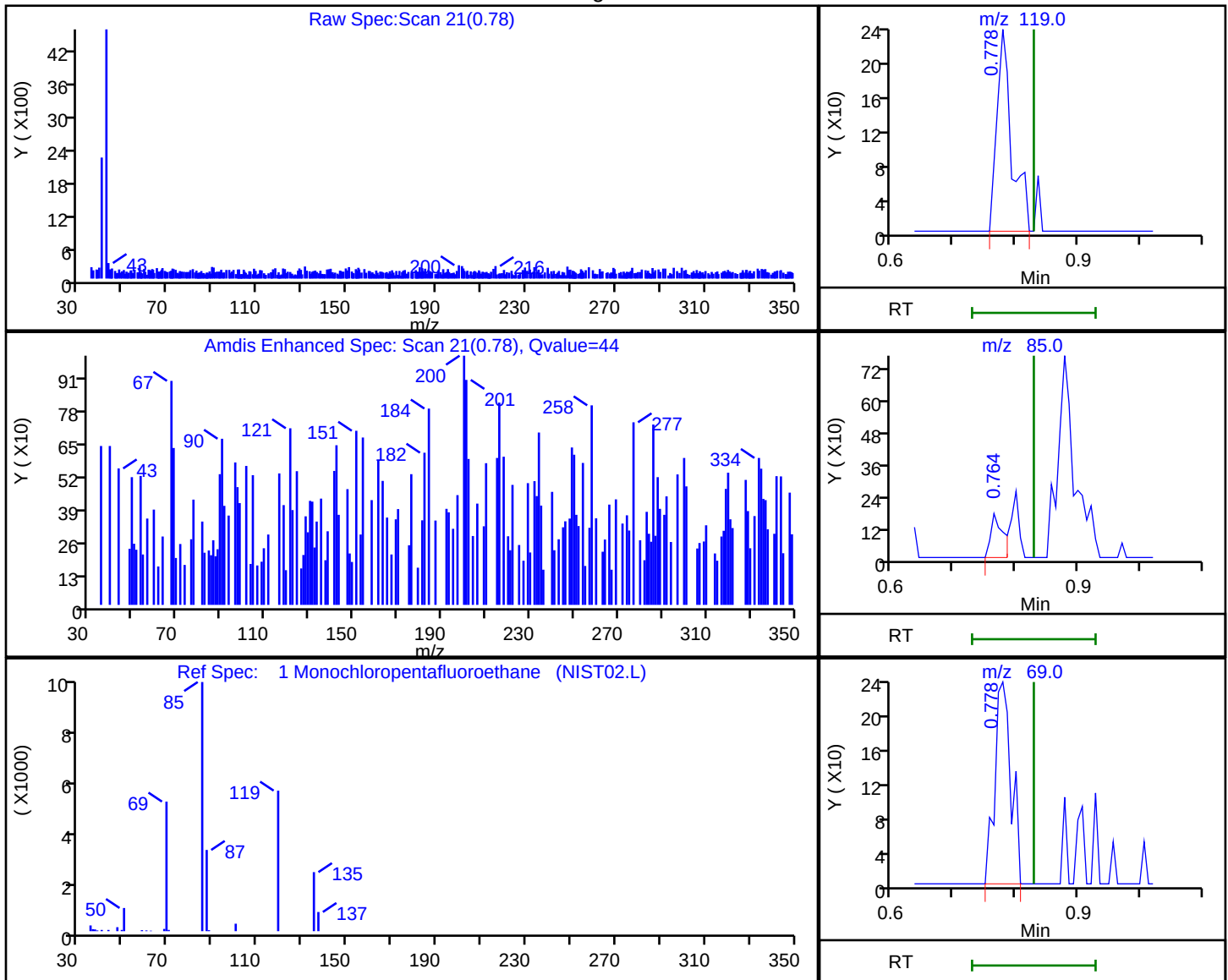
Column: DB-624 (0.18 mm)

Detector

MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Processing Results



RT	Mass	Response	Amount
0.78	119.00	399	3.924909
0.76	85.00	225	
0.78	69.00	440	
0.78	135.00	452	

Reviewer: pakanatir, 04-Nov-2019 18:54:36

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43448.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 04-Nov-2019 09:16:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD1
 Misc. Info.: 460-0100553-005
 Operator ID: Instrument ID: CVOAMS12
 Sublist: chrom-8260W_12*sub26
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 05-Nov-2019 10:03:42 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0339

First Level Reviewer: tupayachia

Date: 04-Nov-2019 11:13:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.838	0.828	0.010	1	0	1.00	0	a
2 Chlorotrifluoroethene	116	0.857	0.857	0.000	84	921	1.00	0.9785	
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	95	2399	1.00	0.8038	
3 1,1-Difluoroethane	65	0.871	0.892	-0.021	92	1079	1.00	0.6903	
5 Chlorodifluoromethane	67	0.885	0.892	-0.007	94	521	1.00	0.8865	
6 Chloromethane	50	0.986	1.000	-0.014	95	1741	1.00	0.6538	
7 Vinyl chloride	62	1.028	1.028	0.000	96	2892	1.00	0.9888	
8 Butadiene	54	1.043	1.043	0.000	92	2297	1.00	0.9272	
9 Bromomethane	94	1.207	1.207	0.000	93	1337	1.00	1.11	
10 Chloroethane	64	1.264	1.271	-0.007	98	2137	1.00	1.15	
11 Dichlorofluoromethane	67	1.372	1.364	0.008	98	4350	1.00	1.01	
12 Trichlorofluoromethane	101	1.400	1.400	0.000	97	3729	1.00	1.00	
13 Pentane	72	1.450	1.443	0.007	98	1031	2.00	2.16	
14 Ethanol	46	1.500	1.529	-0.029	57	666	40.0	48.9	
15 Ethyl ether	59	1.565	1.557	0.008	88	2011	1.00	1.06	
16 1,2-Dichloro-1,1,2-trifluo	117	1.565	1.565	0.001	93	2251	1.00	1.16	
17 2-Methyl-1,3-butadiene	53	1.579	1.579	0.000	94	1715	1.00	0.9307	
18 1,1,1-Trifluoro-2,2-dichlo	83	1.600	1.600	0.000	95	3753	1.00	1.11	
19 Acrolein	56	1.622	1.636	-0.014	70	686	4.00	3.34	
20 1,1-Dichloroethene	96	1.693	1.693	0.000	93	2597	1.00	1.13	
21 1,1,2-Trichloro-1,2,2-trif	101	1.701	1.693	0.008	84	2751	1.00	1.13	
22 Acetone	58	1.722	1.722	0.000	87	766	5.00	4.75	
23 Iodomethane	127	1.786	1.779	0.007	97	691	1.00	0.5333	
24 Isopropyl alcohol	45	1.808	1.808	0.000	24	1410	10.0	11.7	
25 Carbon disulfide	76	1.822	1.815	0.007	100	7598	1.00	1.09	
27 Acetonitrile	38	1.908	1.901	0.007	79	1005	10.0	13.3	
26 3-Chloro-1-propene	76	1.908	1.908	0.000	92	1480	1.00	0.8564	
28 Methyl acetate	74	1.929	1.922	0.007	100	544	2.00	1.95	
29 Cyclopentene	67	1.965	1.958	0.007	91	6702	1.00	1.12	
30 Methylene Chloride	84	1.987	1.986	0.001	88	3236	1.00	1.13	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.008	2.008	0.000	98	150358	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.058	2.072	-0.014	98	2198	10.0	15.0	
33 Acrylonitrile	53	2.144	2.144	0.000	97	4733	10.0	8.67	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	95	2764	1.00	1.11	
35 Methyl tert-butyl ether	73	2.172	2.165	0.007	97	6062	1.00	1.01	
36 Hexane	57	2.366	2.365	0.001	91	2769	1.00	1.05	
37 1,1-Dichloroethane	63	2.451	2.451	0.000	98	5026	1.00	1.15	
38 Vinyl acetate	86	2.509	2.508	0.001	98	597	2.00	1.85	
40 2-Chloro-1,3-butadiene	88	2.523	2.523	0.000	74	2248	1.00	0.9451	
39 Isopropyl ether	45	2.523	2.523	0.000	96	7517	1.00	1.04	
41 Tert-butyl ethyl ether	59	2.795	2.794	0.001	91	6540	1.00	1.00	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	99	194512	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	94	3181	1.00	1.12	
43 2,2-Dichloropropane	97	2.887	2.887	0.000	64	759	1.00	1.10	
45 2-Butanone (MEK)	72	2.909	2.916	-0.007	99	1382	5.00	5.84	
46 Propionitrile	52	2.952	2.959	-0.007	95	523	10.0	9.55	
47 Ethyl acetate	70	2.980	2.973	0.007	98	352	2.00	1.73	
48 Methyl acrylate	55	3.002	3.009	-0.007	93	1607	1.00	0.8991	
50 Chlorobromomethane	128	3.081	3.073	0.008	52	1400	1.00	1.03	
49 Methacrylonitrile	67	3.073	3.080	-0.007	92	8062	10.0	9.97	
51 Tetrahydrofuran	42	3.123	3.138	-0.015	69	1173	2.00	1.72	
52 Chloroform	83	3.152	3.159	-0.007	98	5025	1.00	1.14	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	106860	50.0	51.4	
54 1,1,1-Trichloroethane	97	3.302	3.302	0.000	98	3966	1.00	1.11	
55 Cyclohexane	84	3.352	3.352	0.000	90	3584	1.00	1.02	
57 1,1-Dichloropropene	75	3.452	3.452	0.000	94	3976	1.00	1.13	
56 Carbon tetrachloride	117	3.445	3.452	-0.007	74	3032	1.00	1.05	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.574	3.574	0.000	0	112713	50.0	51.0	
59 Isobutyl alcohol	43	3.595	3.602	-0.007	84	1434	25.0	24.2	
60 Benzene	78	3.638	3.631	0.007	95	11801	1.00	1.16	
61 1,2-Dichloroethane	62	3.645	3.645	0.000	54	3926	1.00	1.16	
62 Isooctane	57	3.738	3.738	0.000	87	4619	1.00	1.03	
63 Isopropyl acetate	61	3.738	3.745	-0.007	78	618	1.00	0.9099	
64 Tert-amyl methyl ether	73	3.767	3.767	0.000	96	6113	1.00	0.99	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	567785	50.0	50.0	
66 n-Heptane	43	3.924	3.917	0.007	90	2175	1.00	1.15	a
68 Trichloroethene	95	4.267	4.274	-0.007	96	3003	1.00	1.09	
67 n-Butanol	56	4.260	4.289	-0.029	27	954	25.0	23.2	a
69 Ethyl acrylate	55	4.432	4.453	-0.021	61	1399	1.00	0.5200	
70 Methylcyclohexane	83	4.461	4.460	0.001	89	3450	1.00	0.9850	
71 1,2-Dichloropropane	63	4.496	4.496	0.000	91	2526	1.00	0.9877	
73 Dibromomethane	93	4.618	4.603	0.015	27	1356	1.00	0.9116	
* 72 1,4-Dioxane-d8	96	4.604	4.611	-0.006	0	29029	1000.0	1000.0	
74 1,4-Dioxane	88	4.661	4.675	-0.014	46	1476	50.0	51.3	
75 Methyl methacrylate	100	4.675	4.675	0.000	82	1113	2.00	1.94	
76 n-Propyl acetate	43	4.754	4.754	0.000	98	2142	1.00	0.9280	
77 Dichlorobromomethane	83	4.804	4.804	0.000	98	3311	1.00	1.03	
78 2-Nitropropane	41	5.061	5.068	-0.007	66	530	2.00	1.85	
79 2-Chloroethyl vinyl ether	63	5.183	5.197	-0.014	29	569	1.00	1.29	Ma
80 Epichlorohydrin	57	5.233	5.240	-0.007	98	2953	20.0	20.6	
81 cis-1,3-Dichloropropene	75	5.333	5.333	0.000	92	2893	1.00	0.8149	
82 4-Methyl-2-pentanone (MIBK	43	5.555	5.554	0.001	98	7872	5.00	5.12	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 83 Toluene-d8 (Surr)	98	5.647	5.647	0.000	99	433806	50.0	50.1	
84 Toluene	91	5.733	5.733	0.000	93	13261	1.00	1.16	
85 trans-1,3-Dichloropropene	75	6.048	6.048	0.000	96	2368	1.00	0.7964	
86 Ethyl methacrylate	69	6.227	6.226	0.001	83	1976	1.00	0.8388	
87 1,1,2-Trichloroethane	83	6.262	6.269	-0.007	95	1963	1.00	1.09	
88 Tetrachloroethene	166	6.427	6.427	0.000	93	3308	1.00	1.14	
89 1,3-Dichloropropane	76	6.477	6.477	0.000	93	3630	1.00	0.9821	
90 2-Hexanone	43	6.656	6.670	-0.014	96	5808	5.00	5.31	
91 Chlorodibromomethane	129	6.770	6.770	0.000	95	1839	1.00	0.8339	
92 n-Butyl acetate	43	6.892	6.877	0.015	97	2397	1.00	0.9607	
93 Ethylene Dibromide	107	6.884	6.899	-0.015	97	1916	1.00	0.8777	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	85	443502	50.0	50.0	
95 Chlorobenzene	112	7.614	7.614	0.000	96	8089	1.00	1.07	
96 1,1,1,2-Tetrachloroethane	131	7.757	7.764	-0.007	90	1979	1.00	0.8689	
97 Ethylbenzene	106	7.828	7.835	-0.007	98	4215	1.00	1.07	
98 m-Xylene & p-Xylene	106	8.014	8.014	0.000	99	5417	1.00	1.11	
99 o-Xylene	106	8.601	8.600	0.001	94	5257	1.00	1.11	
100 Styrene	104	8.629	8.629	0.000	98	7921	1.00	1.05	
101 n-Butyl acrylate	73	8.701	8.693	0.008	97	1184	1.00	1.01	
102 Bromoform	173	8.851	8.858	-0.007	93	999	1.00	0.7286	
103 Amyl acetate (mixed isomer)	43	9.087	9.101	-0.014	93	2381	1.00	0.9617	
104 Isopropylbenzene	105	9.208	9.208	0.000	95	12541	1.00	1.12	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	91	142133	50.0	49.2	
106 Bromobenzene	156	9.594	9.609	-0.015	95	3431	1.00	1.04	
107 1,1,2,2-Tetrachloroethane	83	9.723	9.723	0.000	95	2790	1.00	1.09	
108 1,2,3-Trichloropropane	110	9.737	9.752	-0.015	83	870	1.00	1.06	
109 trans-1,4-Dichloro-2-buten	53	9.838	9.830	0.008	1	447	1.00	0.8324	
110 N-Propylbenzene	91	9.880	9.880	0.000	99	13435	1.00	1.07	
111 2-Chlorotoluene	91	9.952	9.952	0.000	96	9433	1.00	1.12	
112 4-Ethyltoluene	105	10.081	10.080	0.001	98	11201	1.00	1.04	
113 4-Chlorotoluene	91	10.145	10.145	0.000	98	10798	1.00	1.28	
114 1,3,5-Trimethylbenzene	105	10.202	10.202	0.000	93	9489	1.00	1.06	
115 Butyl Methacrylate	87	10.488	10.488	0.000	89	1875	1.00	0.5804	
116 tert-Butylbenzene	119	10.717	10.710	0.007	96	8478	1.00	1.11	
117 1,2,4-Trimethylbenzene	105	10.803	10.803	0.000	96	9556	1.00	1.08	
118 sec-Butylbenzene	105	11.089	11.081	0.008	98	10816	1.00	1.09	
119 1,3-Dichlorobenzene	146	11.182	11.182	0.000	96	6576	1.00	1.10	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	96	247136	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.325	11.325	0.000	95	7145	1.00	1.17	
122 4-Isopropyltoluene	119	11.346	11.346	0.000	97	9131	1.00	1.10	
123 1,2,3-Trimethylbenzene	105	11.446	11.439	0.007	96	9227	1.00	1.02	
124 Benzyl chloride	126	11.554	11.553	0.001	97	346	1.00	0.4215	
125 2,3-Dihydroindene	117	11.682	11.682	0.000	95	11341	1.00	1.12	
126 1,2-Dichlorobenzene	146	11.818	11.818	0.000	96	6500	1.00	1.12	
127 p-Diethylbenzene	119	11.875	11.875	0.000	95	4253	1.00	0.9845	
128 n-Butylbenzene	92	11.897	11.904	-0.007	97	3527	1.00	1.00	
129 1,2-Dibromo-3-Chloropropan	75	12.726	12.726	0.000	82	393	1.00	0.8705	
130 1,2,4,5-Tetramethylbenzene	119	12.748	12.747	0.001	97	9484	1.00	1.20	
131 1,3,5-Trichlorobenzene	180	12.941	12.941	0.000	97	3815	1.00	1.11	
132 1,2,4-Trichlorobenzene	180	13.513	13.520	-0.007	92	3367	1.00	1.09	
133 Hexachlorobutadiene	225	13.691	13.691	0.000	94	1131	1.00	1.03	
134 Naphthalene	128	13.713	13.713	0.000	99	8659	1.00	1.23	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	13.920	13.920	0.000	95	3044	1.00	1.12	
S 137 1,2-Dichloroethene, Total	100				0		2.00	2.23	
S 138 Xylenes, Total	100				0		2.00	2.22	
S 139 Total BTEX	1				0		5.00	5.61	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00339	Amount Added: 10.00	Units: uL	
524freon_00013	Amount Added: 10.00	Units: uL	
8260MIX1COMB_00107	Amount Added: 10.00	Units: uL	
ACROLEIN W_00097	Amount Added: 4.00	Units: uL	
14DIOXINTER_00106	Amount Added: 30.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43448.D

Injection Date: 04-Nov-2019 09:16:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: STD1

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

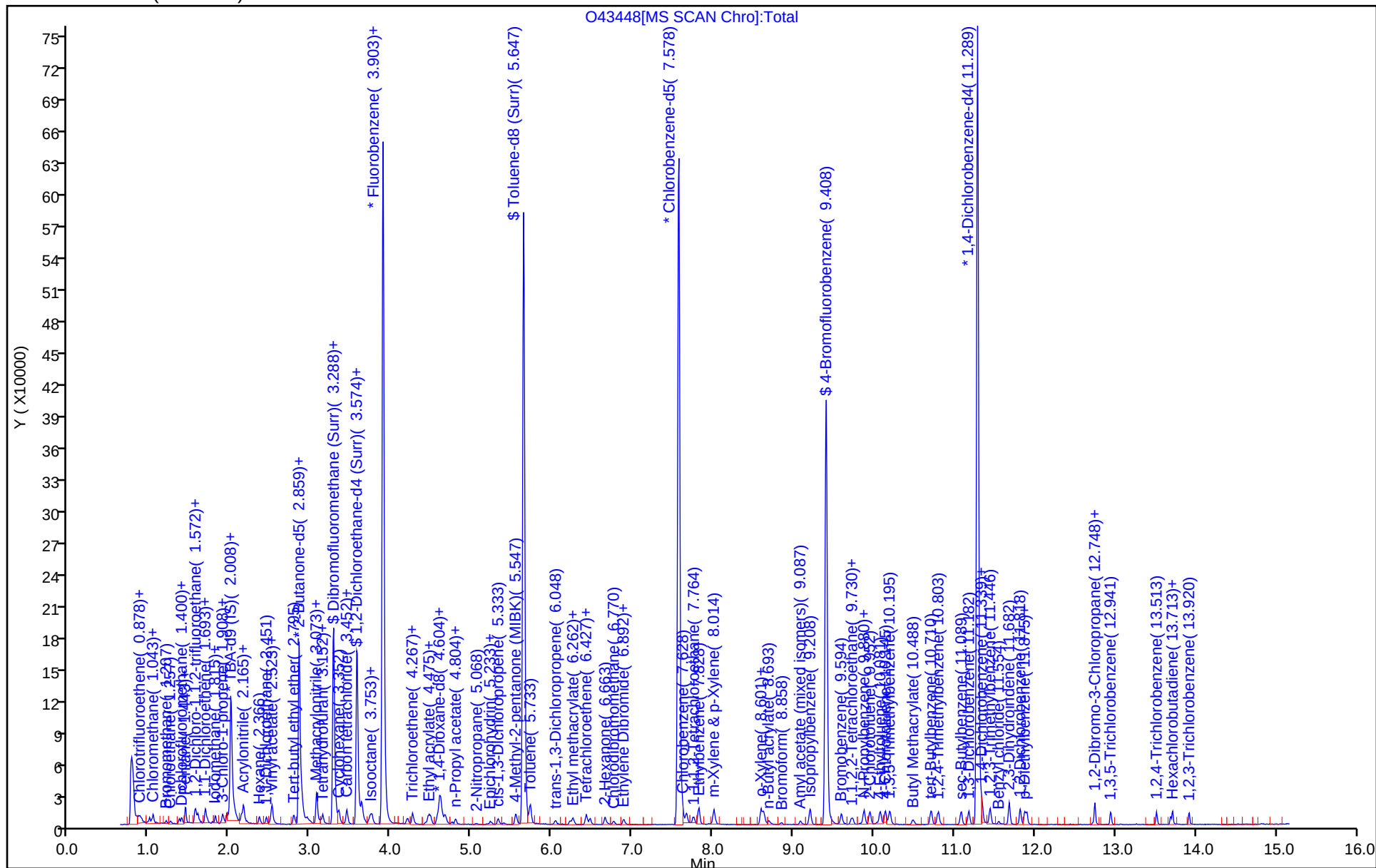
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43448.D

Injection Date: 04-Nov-2019 09:16:30

Instrument ID: CVOAMS12

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

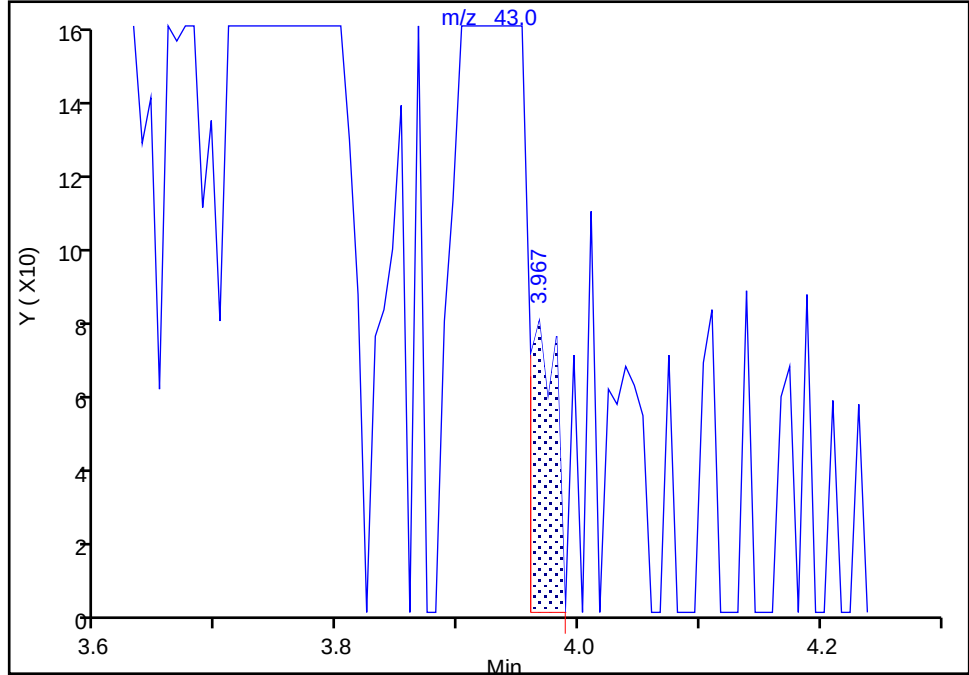
Detector: MS SCAN

66 n-Heptane, CAS: 142-82-5

Signal: 1

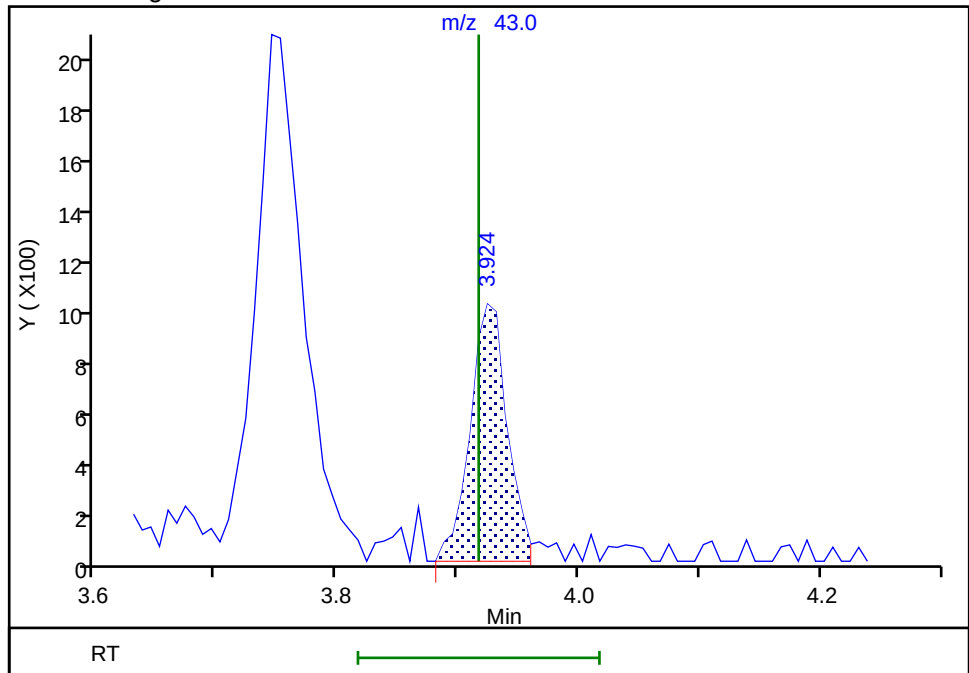
RT: 3.97
Area: 118
Amount: 0.065746
Amount Units: ug/l

Processing Integration Results



RT: 3.92
Area: 2175
Amount: 1.151435
Amount Units: ug/l

Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 11:00:25

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43448.D

Injection Date: 04-Nov-2019 09:16:30

Instrument ID: CVOAMS12

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

4

Worklist Smp#:

5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

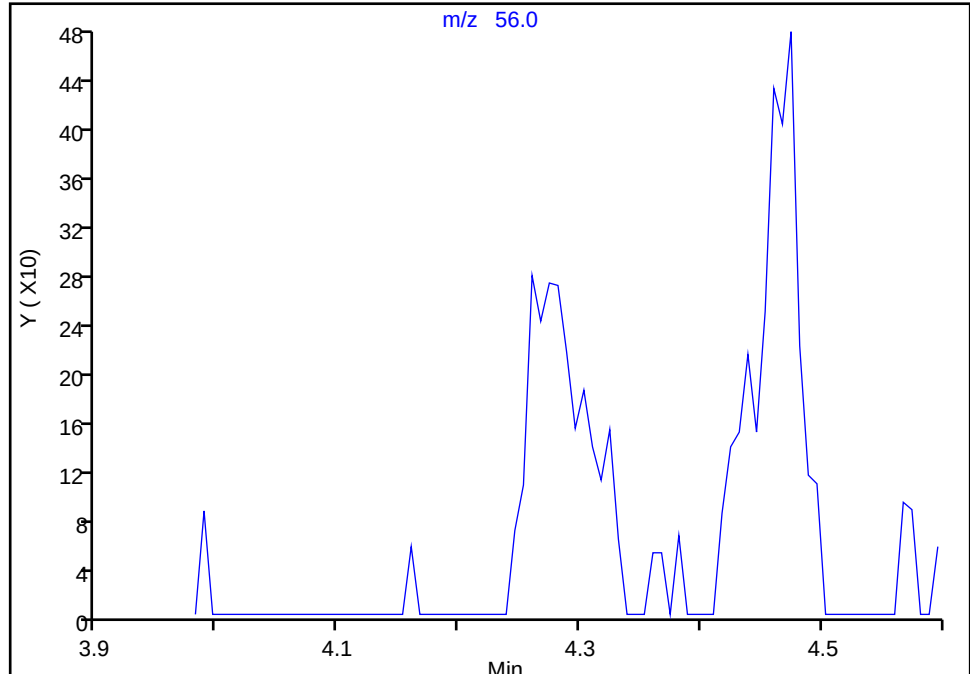
67 n-Butanol, CAS: 71-36-3

Signal: 1

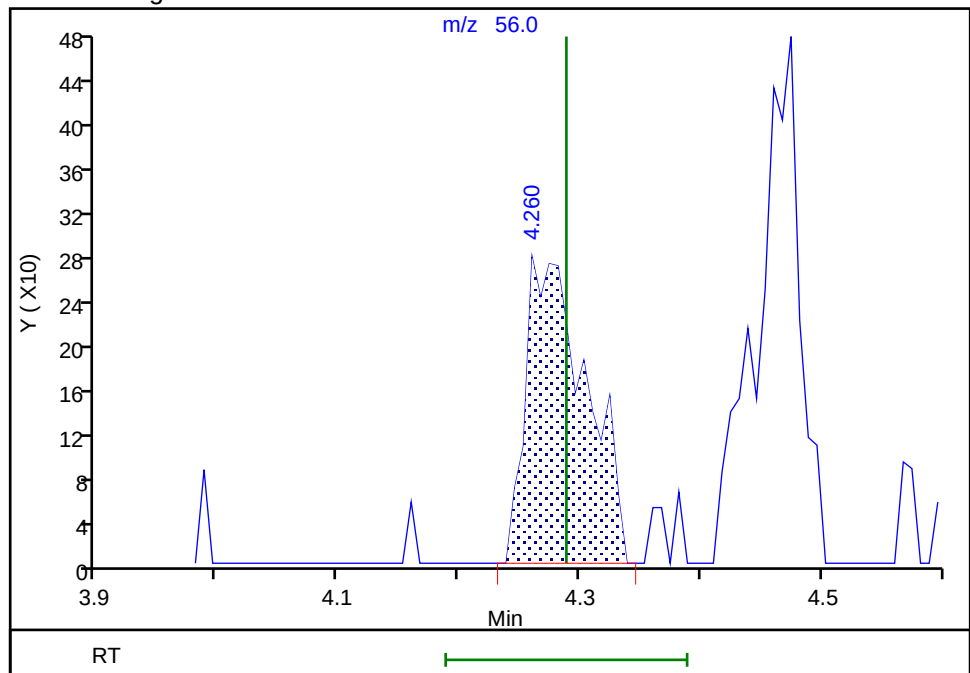
Not Detected

Expected RT: 4.29

Processing Integration Results



Manual Integration Results



RT: 4.26

Area: 954

Amount: 23.206486

Amount Units: ug/l

Reviewer: tupayachia, 04-Nov-2019 11:00:31

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43448.D

Injection Date: 04-Nov-2019 09:16:30

Instrument ID: CVOAMS12

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

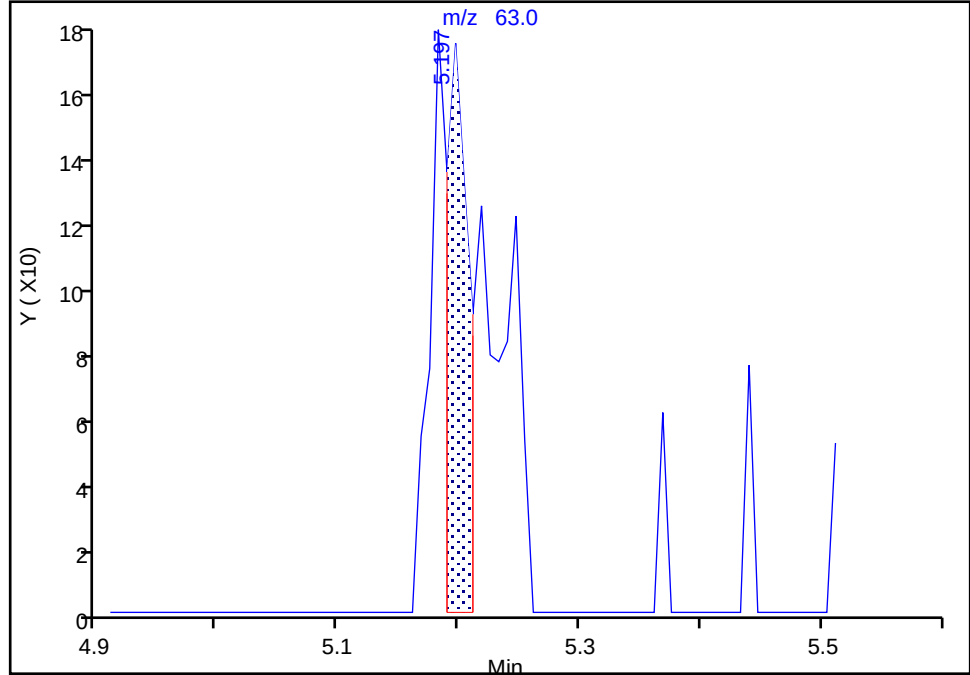
Detector: MS SCAN

79 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

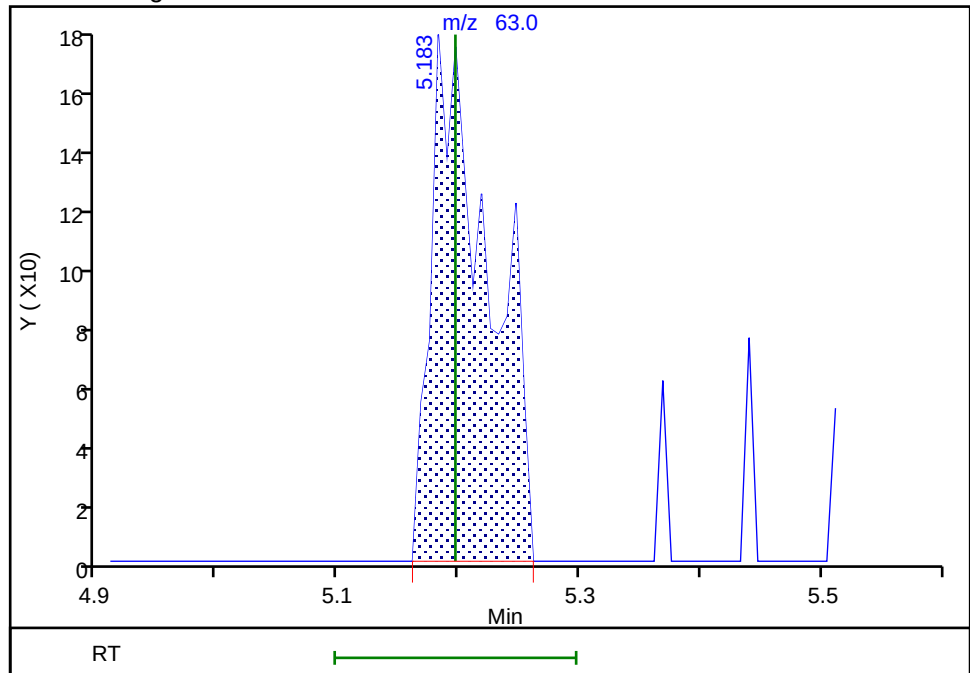
RT: 5.20
Area: 220
Amount: 0.362645
Amount Units: ug/l

Processing Integration Results



RT: 5.18
Area: 569
Amount: 1.294417
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 04-Nov-2019 19:45:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43449.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 04-Nov-2019 09:42:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD5
 Misc. Info.: 460-0100553-006
 Operator ID: Instrument ID: CVOAMS12
 Sublist: chrom-8260W_12*sub26
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 05-Nov-2019 10:04:03 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0339

First Level Reviewer: tupayachia

Date: 04-Nov-2019 10:58:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.849	0.828	0.021	31	108	5.00	1.00	a
2 Chlorotrifluoroethene	116	0.857	0.857	0.000	90	4477	5.00	4.65	
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	98	13482	5.00	4.45	
3 1,1-Difluoroethane	65	0.871	0.892	-0.021	92	8530	5.00	5.38	
5 Chlorodifluoromethane	67	0.892	0.892	0.000	97	3049	5.00	5.12	
6 Chloromethane	50	0.992	1.000	-0.008	98	14025	5.00	5.19	
7 Vinyl chloride	62	1.035	1.028	0.007	97	14694	5.00	4.95	
8 Butadiene	54	1.050	1.043	0.007	93	13378	5.00	5.33	
9 Bromomethane	94	1.207	1.207	0.000	99	5665	5.00	4.61	
10 Chloroethane	64	1.264	1.271	-0.007	99	10125	5.00	5.39	
11 Dichlorofluoromethane	67	1.371	1.364	0.007	98	23665	5.00	5.44	
12 Trichlorofluoromethane	101	1.400	1.400	0.000	98	20526	5.00	5.42	
13 Pentane	72	1.443	1.443	0.000	97	4758	10.0	9.82	
14 Ethanol	46	1.522	1.529	-0.007	89	3017	200.0	232.2	
15 Ethyl ether	59	1.564	1.557	0.007	95	10034	5.00	5.24	
16 1,2-Dichloro-1,1,2-trifluo	117	1.564	1.565	0.000	88	10223	5.00	5.18	
17 2-Methyl-1,3-butadiene	53	1.579	1.579	0.000	95	9333	5.00	4.99	
18 1,1,1-Trifluoro-2,2-dichlo	83	1.600	1.600	0.000	95	19328	5.00	5.61	
19 Acrolein	56	1.629	1.636	-0.007	96	3956	20.0	20.2	
20 1,1-Dichloroethene	96	1.693	1.693	0.000	98	12245	5.00	5.27	
21 1,1,2-Trichloro-1,2,2-trif	101	1.700	1.693	0.007	97	13094	5.00	5.32	
22 Acetone	58	1.715	1.722	-0.007	89	4173	25.0	25.3	
23 Iodomethane	127	1.779	1.779	0.000	98	4070	5.00	3.10	
24 Isopropyl alcohol	45	1.815	1.808	0.007	30	6398	50.0	55.7	
25 Carbon disulfide	76	1.822	1.815	0.007	99	34575	5.00	4.88	
27 Acetonitrile	38	1.908	1.901	0.007	80	4305	50.0	60.0	
26 3-Chloro-1-propene	76	1.908	1.908	0.000	93	8283	5.00	4.73	
28 Methyl acetate	74	1.922	1.922	0.000	99	2756	10.0	10.3	
29 Cyclopentene	67	1.965	1.958	0.007	96	30163	5.00	4.98	
30 Methylene Chloride	84	1.986	1.986	0.000	93	14706	5.00	5.06	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.015	2.008	0.007	98	143350	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.072	2.072	0.000	98	8274	50.0	59.2	
33 Acrylonitrile	53	2.144	2.144	0.000	96	28516	50.0	51.5	
35 Methyl tert-butyl ether	73	2.172	2.165	0.007	97	31532	5.00	5.17	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	93	13649	5.00	5.41	
36 Hexane	57	2.365	2.365	0.000	93	12661	5.00	4.73	
37 1,1-Dichloroethane	63	2.451	2.451	0.000	99	22536	5.00	5.09	
38 Vinyl acetate	86	2.501	2.508	-0.007	100	2596	10.0	7.85	
40 2-Chloro-1,3-butadiene	88	2.523	2.523	0.000	73	12269	5.00	5.09	
39 Isopropyl ether	45	2.523	2.523	0.000	88	36851	5.00	5.02	
41 Tert-butyl ethyl ether	59	2.794	2.794	0.000	92	31584	5.00	4.78	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	100	198870	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	97	14978	5.00	5.19	
43 2,2-Dichloropropane	97	2.887	2.887	0.000	62	3464	5.00	4.96	
45 2-Butanone (MEK)	72	2.909	2.916	-0.007	100	6010	25.0	24.8	
46 Propionitrile	52	2.952	2.959	-0.007	94	2600	50.0	49.8	
47 Ethyl acetate	70	2.966	2.973	-0.007	99	1629	10.0	7.83	
48 Methyl acrylate	55	2.995	3.009	-0.014	98	8538	5.00	4.71	
50 Chlorobromomethane	128	3.080	3.073	0.007	52	7445	5.00	5.42	
49 Methacrylonitrile	67	3.073	3.080	-0.007	88	44209	50.0	53.9	
51 Tetrahydrofuran	42	3.123	3.138	-0.015	79	6045	10.0	10.8	
52 Chloroform	83	3.152	3.159	-0.007	99	23096	5.00	5.16	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	105237	50.0	49.9	
54 1,1,1-Trichloroethane	97	3.302	3.302	0.000	99	19071	5.00	5.26	
55 Cyclohexane	84	3.359	3.352	0.007	90	17230	5.00	4.84	
57 1,1-Dichloropropene	75	3.452	3.452	0.000	97	18654	5.00	5.24	
56 Carbon tetrachloride	117	3.452	3.452	0.000	72	14268	5.00	4.89	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.574	0.007	0	113818	50.0	50.8	
59 Isobutyl alcohol	43	3.602	3.602	0.000	92	6816	125.0	120.5	a
60 Benzene	78	3.631	3.631	0.000	95	53979	5.00	5.24	
61 1,2-Dichloroethane	62	3.652	3.645	0.007	97	17383	5.00	5.09	
62 Isooctane	57	3.731	3.738	-0.007	97	23078	5.00	5.07	
63 Isopropyl acetate	61	3.752	3.745	0.007	96	2755	5.00	4.00	
64 Tert-amyl methyl ether	73	3.767	3.767	0.000	97	29711	5.00	4.76	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	575769	50.0	50.0	
66 n-Heptane	43	3.924	3.917	0.007	90	9204	5.00	4.80	
68 Trichloroethene	95	4.267	4.274	-0.007	96	14689	5.00	5.24	
67 n-Butanol	56	4.267	4.289	-0.022	33	4557	125.0	116.3	
69 Ethyl acrylate	55	4.432	4.453	-0.021	97	7976	5.00	2.92	
70 Methylcyclohexane	83	4.467	4.460	0.007	92	19028	5.00	5.36	
71 1,2-Dichloropropane	63	4.489	4.496	-0.007	92	12997	5.00	5.01	
73 Dibromomethane	93	4.610	4.603	0.007	64	8045	5.00	5.33	
* 72 1,4-Dioxane-d8	96	4.618	4.611	0.008	0	29991	1000.0	1000.0	
74 1,4-Dioxane	88	4.668	4.675	-0.007	34	3265	100.0	109.9	
75 Methyl methacrylate	100	4.675	4.675	0.000	87	5162	10.0	8.87	
76 n-Propyl acetate	43	4.761	4.754	0.007	98	10298	5.00	4.40	
77 Dichlorobromomethane	83	4.804	4.804	0.000	98	16164	5.00	4.96	
78 2-Nitropropane	41	5.068	5.068	0.000	96	2559	10.0	8.82	
79 2-Chloroethyl vinyl ether	63	5.190	5.197	-0.007	92	3168	5.01	7.11	
80 Epichlorohydrin	57	5.233	5.240	-0.007	98	15546	100.0	106.0	
81 cis-1,3-Dichloropropene	75	5.333	5.333	0.000	91	17696	5.00	4.94	
82 4-Methyl-2-pentanone (MIBK	43	5.547	5.554	-0.007	97	39436	25.0	25.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 83 Toluene-d8 (Surr)	98	5.647	5.647	0.000	100	436450	50.0	49.9	
84 Toluene	91	5.733	5.733	0.000	94	59624	5.00	5.19	
85 trans-1,3-Dichloropropene	75	6.041	6.048	-0.007	97	12632	5.00	4.21	
86 Ethyl methacrylate	69	6.226	6.226	0.000	87	11326	5.00	4.76	a
87 1,1,2-Trichloroethane	83	6.262	6.269	-0.007	91	8992	5.00	4.94	
88 Tetrachloroethene	166	6.427	6.427	0.000	98	14953	5.00	5.11	
89 1,3-Dichloropropane	76	6.477	6.477	0.000	93	18914	5.00	5.07	
90 2-Hexanone	43	6.655	6.670	-0.015	97	28713	25.0	25.7	
91 Chlorodibromomethane	129	6.763	6.770	-0.007	98	10114	5.00	4.54	
92 n-Butyl acetate	43	6.891	6.877	0.014	97	12185	5.00	4.84	
93 Ethylene Dibromide	107	6.891	6.899	-0.008	97	10608	5.00	4.82	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	85	447573	50.0	50.0	
95 Chlorobenzene	112	7.614	7.614	0.000	96	40283	5.00	5.28	
96 1,1,1,2-Tetrachloroethane	131	7.757	7.764	-0.007	90	10565	5.00	4.60	
97 Ethylbenzene	106	7.821	7.835	-0.014	98	19955	5.00	5.02	
98 m-Xylene & p-Xylene	106	8.007	8.014	-0.007	100	25313	5.00	5.13	
99 o-Xylene	106	8.600	8.600	0.000	94	24113	5.00	5.04	
100 Styrene	104	8.629	8.629	0.000	96	40063	5.00	5.25	
101 n-Butyl acrylate	73	8.693	8.693	0.000	99	6277	5.00	4.32	
102 Bromoform	173	8.851	8.858	-0.007	96	5776	5.00	4.17	
103 Amyl acetate (mixed isomer)	43	9.087	9.101	-0.014	92	14504	5.00	4.68	
104 Isopropylbenzene	105	9.208	9.208	0.000	96	58328	5.00	5.14	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	91	143701	50.0	49.3	
106 Bromobenzene	156	9.594	9.609	-0.015	95	17524	5.00	5.18	
107 1,1,2,2-Tetrachloroethane	83	9.716	9.723	-0.007	96	12945	5.00	4.94	
108 1,2,3-Trichloropropane	110	9.744	9.752	-0.008	97	4236	5.00	5.05	
109 trans-1,4-Dichloro-2-buten	53	9.823	9.830	-0.007	75	2591	5.00	4.72	
110 N-Propylbenzene	91	9.880	9.880	0.000	99	65993	5.00	5.15	
111 2-Chlorotoluene	91	9.952	9.952	0.000	97	44769	5.00	5.18	
112 4-Ethyltoluene	105	10.080	10.080	0.000	99	55940	5.00	5.08	
113 4-Chlorotoluene	91	10.138	10.145	-0.007	96	45497	5.00	5.26	
114 1,3,5-Trimethylbenzene	105	10.195	10.202	-0.007	93	46383	5.00	5.08	
115 Butyl Methacrylate	87	10.488	10.488	0.000	89	11156	5.00	3.38	
116 tert-Butylbenzene	119	10.710	10.710	0.000	95	40099	5.00	5.15	
117 1,2,4-Trimethylbenzene	105	10.795	10.803	-0.008	97	44023	5.00	4.86	
118 sec-Butylbenzene	105	11.081	11.081	0.000	99	52636	5.00	5.19	
119 1,3-Dichlorobenzene	146	11.174	11.182	-0.008	96	31914	5.00	5.22	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	95	252832	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.325	11.325	0.000	95	32172	5.00	5.14	
122 4-Isopropyltoluene	119	11.346	11.346	0.000	97	42608	5.00	5.00	
123 1,2,3-Trimethylbenzene	105	11.446	11.439	0.007	98	45485	5.00	4.91	
124 Benzyl chloride	126	11.553	11.553	0.000	98	2057	5.00	2.45	
125 2,3-Dihydroindene	117	11.682	11.682	0.000	94	53801	5.00	5.17	
126 1,2-Dichlorobenzene	146	11.818	11.818	0.000	96	30961	5.00	5.23	
127 p-Diethylbenzene	119	11.875	11.875	0.000	92	21664	5.00	4.90	
128 n-Butylbenzene	92	11.897	11.904	-0.007	98	17560	5.00	4.86	
129 1,2-Dibromo-3-Chloropropan	75	12.719	12.726	-0.007	81	2176	5.00	4.71	
130 1,2,4,5-Tetramethylbenzene	119	12.747	12.747	0.000	97	47011	5.00	5.82	
131 1,3,5-Trichlorobenzene	180	12.941	12.941	-0.001	98	17893	5.00	5.11	
132 1,2,4-Trichlorobenzene	180	13.513	13.520	-0.007	94	15837	5.00	5.03	
133 Hexachlorobutadiene	225	13.684	13.691	-0.007	95	5744	5.00	5.14	
134 Naphthalene	128	13.706	13.713	-0.007	99	40514	5.00	5.62	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	13.913	13.920	-0.007	94	14550	5.00	5.24	
S 137 1,2-Dichloroethene, Total	100				0		10.0	10.6	
S 138 Xylenes, Total	100				0		10.0	10.2	
S 139 Total BTEX	1				0		25.0	25.6	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00339	Amount Added: 10.00	Units: uL	
524freon_00013	Amount Added: 10.00	Units: uL	
8260MIX1COMB_00107	Amount Added: 10.00	Units: uL	
ACROLEIN W_00097	Amount Added: 4.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43449.D

Injection Date: 04-Nov-2019 09:42:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: STD5

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

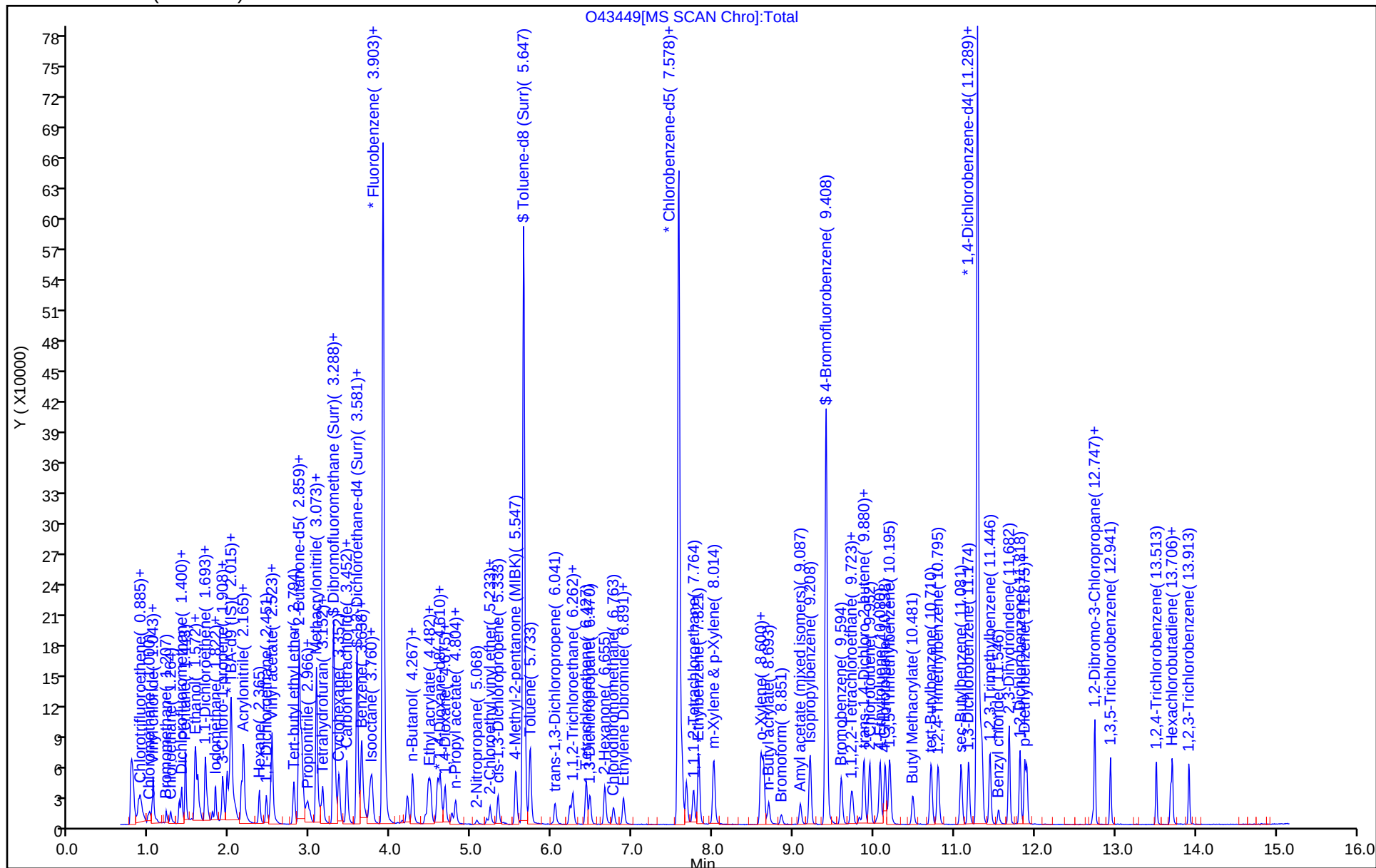
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43449.D

Injection Date: 04-Nov-2019 09:42:30

Instrument ID: CVOAMS12

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

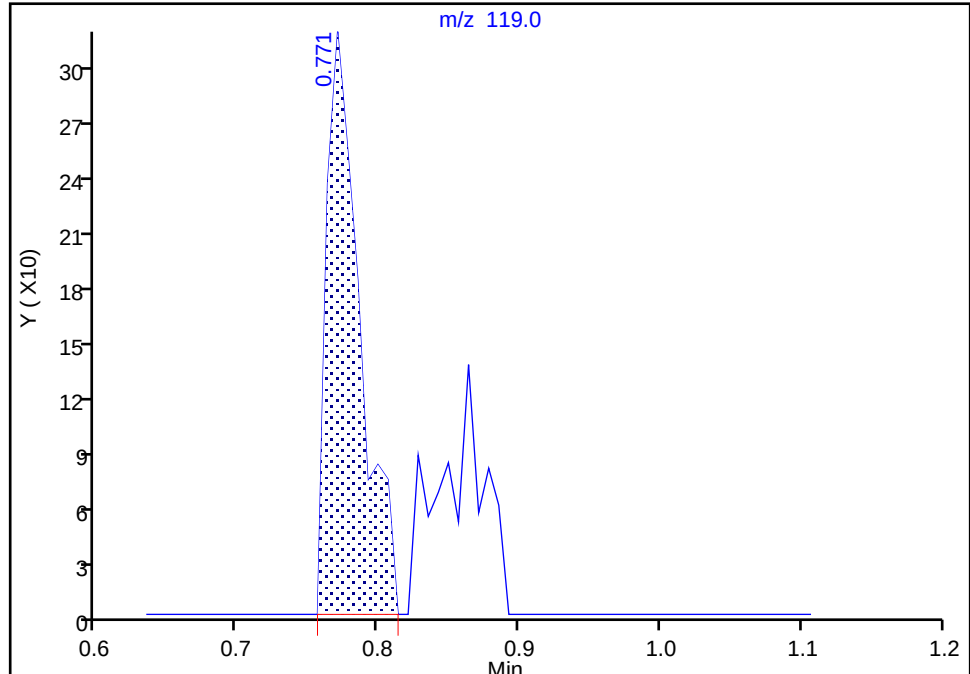
Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

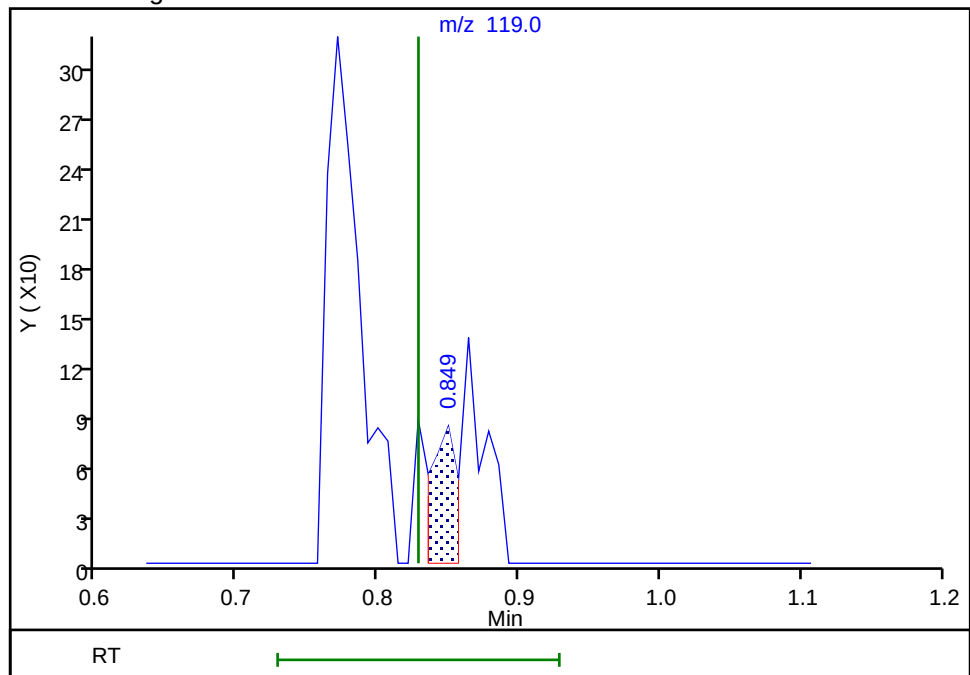
RT: 0.77
Area: 517
Amount: 4.777194
Amount Units: ug/l

Processing Integration Results



RT: 0.85
Area: 108
Amount: 1.001260
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 04-Nov-2019 18:30:59

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43449.D

Injection Date: 04-Nov-2019 09:42:30

Instrument ID: CVOAMS12

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

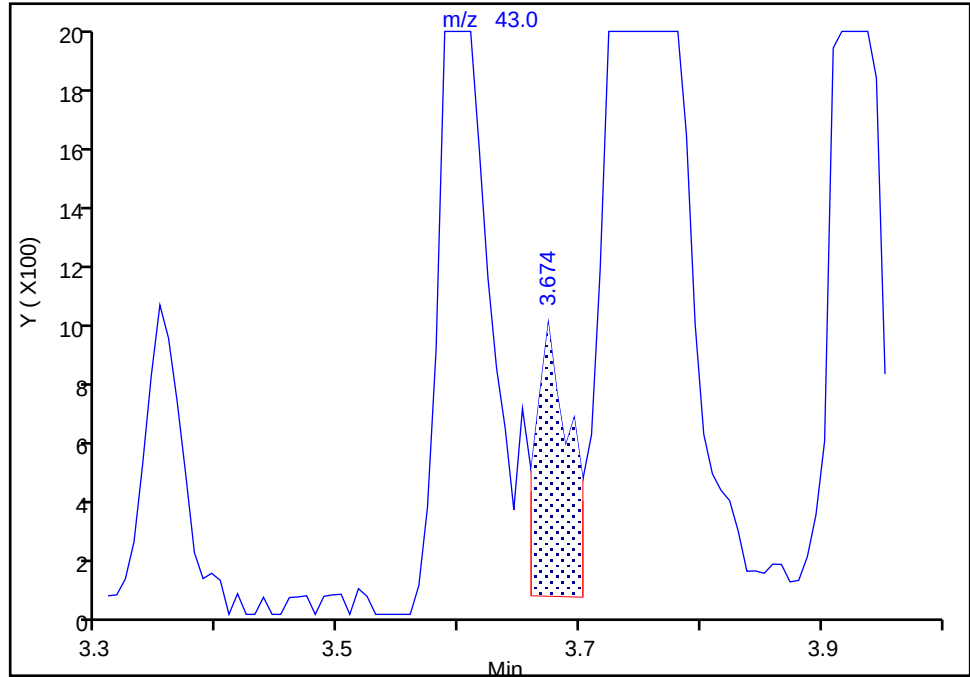
Detector: MS SCAN

59 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

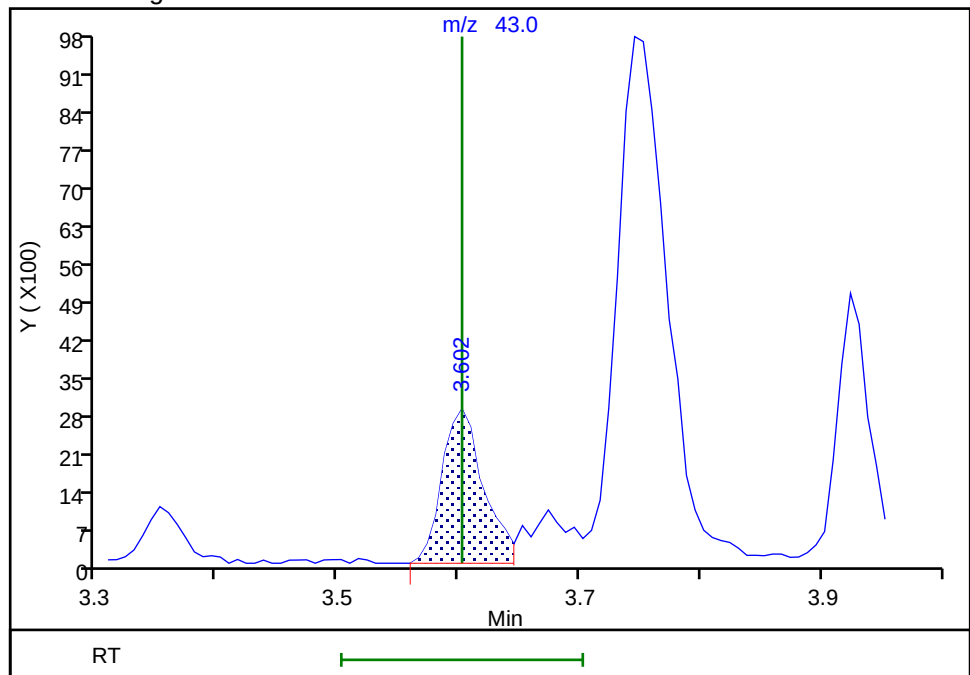
RT: 3.67
Area: 1818
Amount: 37.992367
Amount Units: ug/l

Processing Integration Results



RT: 3.60
Area: 6816
Amount: 120.4556
Amount Units: ug/l

Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 10:57:18

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43449.D

Injection Date: 04-Nov-2019 09:42:30

Instrument ID: CVOAMS12

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

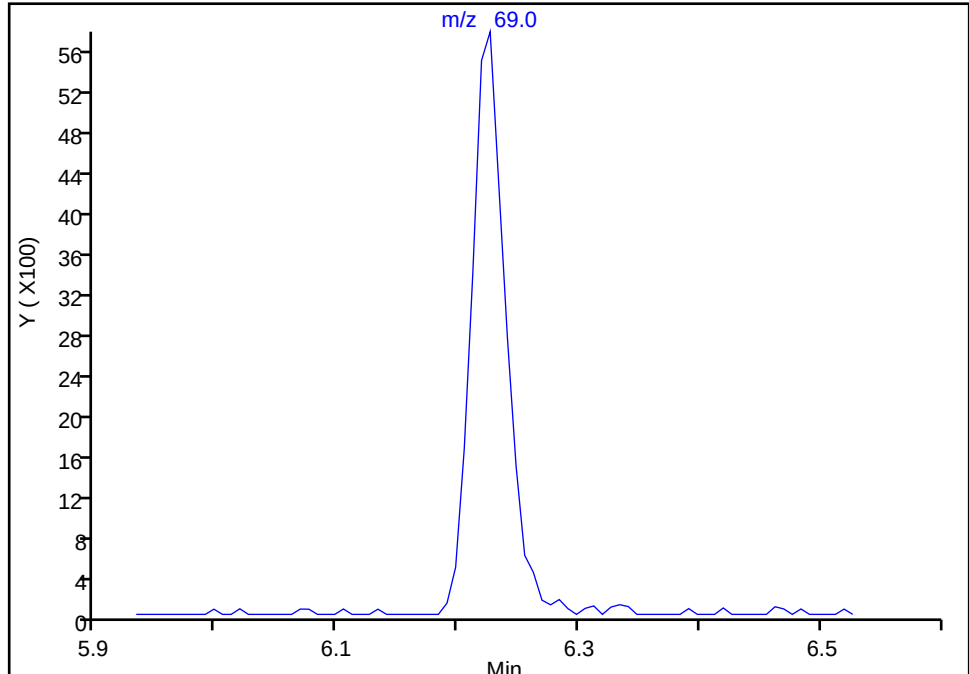
86 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

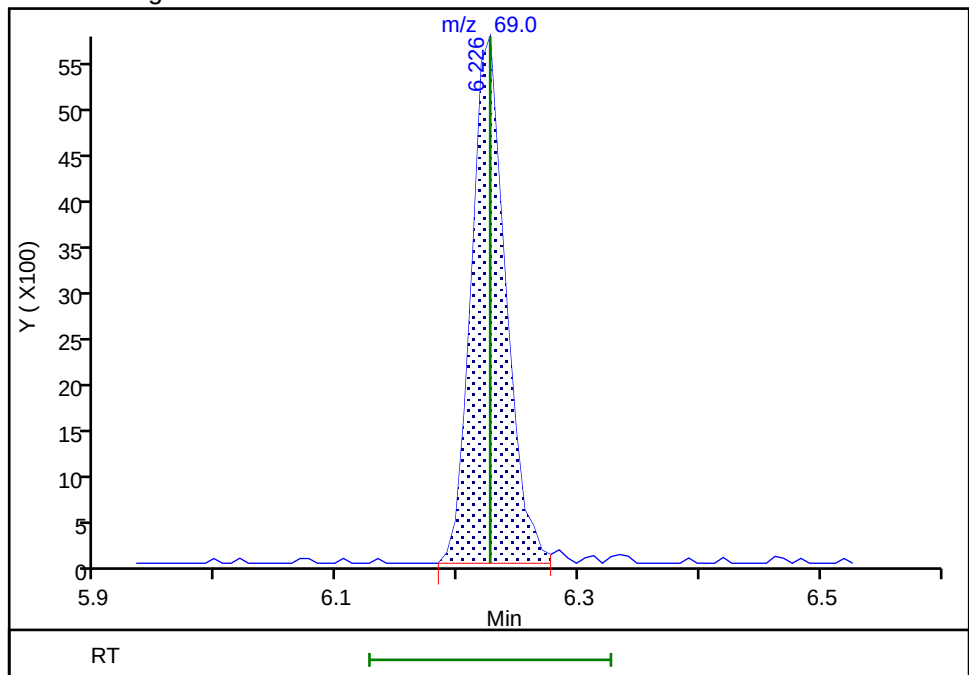
Not Detected

Expected RT: 6.23

Processing Integration Results



Manual Integration Results



RT: 6.23

Area: 11326

Amount: 4.764003

Amount Units: ug/l

Reviewer: tupayachia, 04-Nov-2019 10:58:28

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43450.D
 Lims ID: STD20
 Client ID:
 Sample Type: ICIS Calib Level: 4
 Inject. Date: 04-Nov-2019 10:08:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD20
 Misc. Info.: 460-0100553-007
 Operator ID: Instrument ID: CVOAMS12
 Sublist: chrom-8260W_12*sub26
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 05-Nov-2019 10:04:21 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0339

First Level Reviewer: tupayachia

Date: 04-Nov-2019 10:54:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.828	0.828	0.000	28	627	20.0	5.63	a
2 Chlorotrifluoroethene	116	0.857	0.857	0.000	90	17504	20.0	17.7	
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	99	51700	20.0	16.6	
3 1,1-Difluoroethane	65	0.871	0.871	0.000	92	31633	20.0	19.4	a
5 Chlorodifluoromethane	67	0.893	0.893	0.000	97	12070	20.0	19.7	
6 Chloromethane	50	0.986	0.986	0.000	98	57030	20.0	20.5	
7 Vinyl chloride	62	1.028	1.028	0.000	98	58737	20.0	19.2	
8 Butadiene	54	1.043	1.043	0.000	95	50883	20.0	19.7	
9 Bromomethane	94	1.207	1.207	0.000	98	20146	20.0	16.0	
10 Chloroethane	64	1.257	1.257	0.000	99	36738	20.0	19.0	
11 Dichlorofluoromethane	67	1.364	1.364	0.000	99	91490	20.0	20.4	
12 Trichlorofluoromethane	101	1.393	1.393	0.000	98	78239	20.0	20.1	
13 Pentane	72	1.443	1.443	0.000	97	17408	40.0	34.9	
14 Ethanol	46	1.507	1.507	0.000	92	10288	800.0	742.0	
15 Ethyl ether	59	1.565	1.565	0.000	92	39969	20.0	20.3	
16 1,2-Dichloro-1,1,2-trifluo	117	1.565	1.565	0.000	90	38829	20.0	19.1	
17 2-Methyl-1,3-butadiene	53	1.572	1.572	0.000	96	43110	20.0	22.4	
18 1,1,1-Trifluoro-2,2-dichlo	83	1.600	1.600	0.000	95	71838	20.0	20.3	
19 Acrolein	56	1.629	1.629	0.000	85	7834	40.0	37.5	
20 1,1-Dichloroethene	96	1.686	1.686	0.000	98	47181	20.0	19.7	
21 1,1,2-Trichloro-1,2,2-trif	101	1.693	1.693	0.000	99	50544	20.0	19.9	
22 Acetone	58	1.722	1.722	0.000	88	15909	100.0	94.0	
23 Iodomethane	127	1.779	1.779	0.000	97	19841	20.0	14.8	
24 Isopropyl alcohol	45	1.808	1.808	0.000	43	22385	200.0	182.6	
25 Carbon disulfide	76	1.815	1.815	0.000	99	148082	20.0	20.3	
27 Acetonitrile	38	1.908	1.908	0.000	81	15586	200.0	206.1	
26 3-Chloro-1-propene	76	1.908	1.908	0.000	93	34664	20.0	19.2	
28 Methyl acetate	74	1.922	1.922	0.000	99	11730	40.0	41.3	
29 Cyclopentene	67	1.965	1.965	0.000	97	124779	20.0	20.0	
30 Methylene Chloride	84	1.987	1.987	0.000	89	56525	20.0	18.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	99	152938	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.065	2.065	0.000	99	28326	200.0	190.7	
33 Acrylonitrile	53	2.144	2.144	0.000	95	117415	200.0	206.1	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	94	52433	20.0	20.2	
35 Methyl tert-butyl ether	73	2.172	2.172	0.000	97	132158	20.0	21.0	
36 Hexane	57	2.365	2.365	0.000	93	55341	20.0	20.1	
37 1,1-Dichloroethane	63	2.451	2.451	0.000	100	92895	20.0	20.4	
38 Vinyl acetate	86	2.501	2.501	0.000	100	11797	40.0	34.8	
40 2-Chloro-1,3-butadiene	88	2.523	2.523	0.000	73	51509	20.0	20.7	
39 Isopropyl ether	45	2.523	2.523	0.000	89	156003	20.0	20.7	
41 Tert-butyl ethyl ether	59	2.795	2.795	0.000	91	136921	20.0	20.2	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	100	204189	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	96	59666	20.0	20.1	
43 2,2-Dichloropropane	97	2.887	2.887	0.000	68	14294	20.0	19.9	
45 2-Butanone (MEK)	72	2.909	2.909	0.000	99	23875	100.0	96.0	
46 Propionitrile	52	2.945	2.945	0.000	94	10680	200.0	191.7	
47 Ethyl acetate	70	2.966	2.966	0.000	100	8054	40.0	37.7	
48 Methyl acrylate	55	2.995	2.995	0.000	99	36739	20.0	19.7	
50 Chlorobromomethane	128	3.073	3.073	0.000	51	28257	20.0	20.0	
49 Methacrylonitrile	67	3.073	3.073	0.000	89	177843	200.0	210.8	
51 Tetrahydrofuran	42	3.123	3.123	0.000	81	22836	40.0	41.2	
52 Chloroform	83	3.152	3.152	0.000	99	92616	20.0	20.1	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	107755	50.0	49.7	
54 1,1,1-Trichloroethane	97	3.302	3.302	0.000	98	75129	20.0	20.1	
55 Cyclohexane	84	3.352	3.352	0.000	89	78092	20.0	21.3	
57 1,1-Dichloropropene	75	3.452	3.452	0.000	96	75074	20.0	20.5	
56 Carbon tetrachloride	117	3.452	3.452	0.000	76	58374	20.0	19.4	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.574	3.574	0.000	0	117207	50.0	50.9	
59 Isobutyl alcohol	43	3.595	3.595	0.000	98	29725	500.0	492.4	a
60 Benzene	78	3.631	3.631	0.000	95	222081	20.0	20.9	
61 1,2-Dichloroethane	62	3.645	3.645	0.000	97	66315	20.0	18.8	
62 Isooctane	57	3.738	3.738	0.000	97	92806	20.0	19.8	
63 Isopropyl acetate	61	3.745	3.745	0.000	97	13879	20.0	19.6	
64 Tert-amyl methyl ether	73	3.767	3.767	0.000	98	131928	20.0	20.5	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	592579	50.0	50.0	
66 n-Heptane	43	3.924	3.924	0.000	92	37582	20.0	19.1	
68 Trichloroethene	95	4.267	4.267	0.000	98	59870	20.0	20.8	
67 n-Butanol	56	4.260	4.260	0.000	89	21476	500.0	513.6	
69 Ethyl acrylate	55	4.425	4.425	0.000	97	43213	20.0	15.4	a
70 Methylcyclohexane	83	4.468	4.468	0.000	95	73127	20.0	20.0	
71 1,2-Dichloropropane	63	4.489	4.489	0.000	92	54642	20.0	20.5	
73 Dibromomethane	93	4.611	4.611	0.000	95	31115	20.0	20.0	
* 72 1,4-Dioxane-d8	96	4.611	4.611	0.000	0	31311	1000.0	1000.0	
74 1,4-Dioxane	88	4.668	4.668	0.000	31	12959	400.0	417.7	
75 Methyl methacrylate	100	4.675	4.675	0.000	84	25082	40.0	41.9	
76 n-Propyl acetate	43	4.754	4.754	0.000	98	49484	20.0	20.5	
77 Dichlorobromomethane	83	4.804	4.804	0.000	99	65075	20.0	19.4	
78 2-Nitropropane	41	5.068	5.068	0.000	99	11424	40.0	38.3	
79 2-Chloroethyl vinyl ether	63	5.190	5.190	0.000	94	12662	20.0	27.7	
80 Epichlorohydrin	57	5.226	5.226	0.000	99	64828	400.0	430.5	
81 cis-1,3-Dichloropropene	75	5.326	5.326	0.000	92	78023	20.0	21.2	
82 4-Methyl-2-pentanone (MIBK	43	5.547	5.547	0.000	95	170890	100.0	105.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 83 Toluene-d8 (Surr)	98	5.647	5.647	0.000	100	449028	50.0	49.9	
84 Toluene	91	5.726	5.726	0.000	93	240961	20.0	20.4	
85 trans-1,3-Dichloropropene	75	6.034	6.034	0.000	97	64265	20.0	20.8	
86 Ethyl methacrylate	69	6.219	6.219	0.000	89	53450	20.0	21.9	
87 1,1,2-Trichloroethane	83	6.255	6.255	0.000	94	38619	20.0	20.6	
88 Tetrachloroethene	166	6.427	6.427	0.000	97	59656	20.0	19.8	
89 1,3-Dichloropropane	76	6.470	6.470	0.000	92	79914	20.0	20.8	
90 2-Hexanone	43	6.648	6.648	0.000	96	119654	100.0	104.3	
91 Chlorodibromomethane	129	6.763	6.763	0.000	98	46569	20.0	20.3	
92 n-Butyl acetate	43	6.884	6.884	0.000	99	52890	20.0	20.4	
93 Ethylene Dibromide	107	6.884	6.884	0.000	91	46280	20.0	20.4	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	85	460250	50.0	50.0	
95 Chlorobenzene	112	7.614	7.614	0.000	96	159779	20.0	20.4	
96 1,1,1,2-Tetrachloroethane	131	7.757	7.757	0.000	93	49166	20.0	20.8	
97 Ethylbenzene	106	7.821	7.821	0.000	98	83485	20.0	20.4	
98 m-Xylene & p-Xylene	106	8.007	8.007	0.000	100	100940	20.0	19.9	
99 o-Xylene	106	8.601	8.601	0.000	94	98111	20.0	19.9	
100 Styrene	104	8.629	8.629	0.000	96	169905	20.0	21.6	
101 n-Butyl acrylate	73	8.693	8.693	0.000	98	30277	20.0	19.4	
102 Bromoform	173	8.851	8.851	0.000	97	26998	20.0	19.0	
103 Amyl acetate (mixed isomer)	43	9.087	9.087	0.000	91	67217	20.0	20.4	
104 Isopropylbenzene	105	9.208	9.208	0.000	95	240890	20.0	20.7	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	93	149029	50.0	49.7	
106 Bromobenzene	156	9.594	9.594	0.000	95	70988	20.0	20.5	
107 1,1,2,2-Tetrachloroethane	83	9.716	9.716	0.000	97	53659	20.0	20.0	
108 1,2,3-Trichloropropane	110	9.737	9.737	0.000	98	16565	20.0	19.3	
109 trans-1,4-Dichloro-2-buten	53	9.816	9.816	0.000	83	11657	20.0	20.7	
110 N-Propylbenzene	91	9.873	9.873	0.000	99	266425	20.0	20.3	
111 2-Chlorotoluene	91	9.952	9.952	0.000	97	180459	20.0	20.4	
112 4-Ethyltoluene	105	10.073	10.073	0.000	99	229806	20.0	20.4	
113 4-Chlorotoluene	91	10.138	10.138	0.000	97	178985	20.0	20.2	
114 1,3,5-Trimethylbenzene	105	10.195	10.195	0.000	94	192812	20.0	20.6	
115 Butyl Methacrylate	87	10.481	10.481	0.000	88	56855	20.0	16.9	
116 tert-Butylbenzene	119	10.710	10.710	0.000	95	160319	20.0	20.1	
117 1,2,4-Trimethylbenzene	105	10.796	10.796	0.000	97	190721	20.0	20.6	
118 sec-Butylbenzene	105	11.082	11.082	0.000	98	211275	20.0	20.4	
119 1,3-Dichlorobenzene	146	11.175	11.175	0.000	95	126369	20.0	20.2	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	94	258629	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.325	11.325	0.000	96	128176	20.0	20.0	
122 4-Isopropyltoluene	119	11.346	11.346	0.000	98	180117	20.0	20.7	
123 1,2,3-Trimethylbenzene	105	11.446	11.446	0.000	98	194688	20.0	20.6	
124 Benzyl chloride	126	11.546	11.546	0.000	99	10917	20.0	12.7	
125 2,3-Dihydroindene	117	11.682	11.682	0.000	94	221376	20.0	20.8	
126 1,2-Dichlorobenzene	146	11.818	11.818	0.000	96	127837	20.0	21.1	
127 p-Diethylbenzene	119	11.875	11.875	0.000	94	88236	20.0	19.5	
128 n-Butylbenzene	92	11.897	11.897	0.000	97	73936	20.0	20.0	
129 1,2-Dibromo-3-Chloropropan	75	12.719	12.719	0.000	93	9929	20.0	21.0	
130 1,2,4,5-Tetramethylbenzene	119	12.748	12.748	0.000	98	181552	20.0	22.0	
131 1,3,5-Trichlorobenzene	180	12.941	12.941	0.000	97	70165	20.0	19.6	
132 1,2,4-Trichlorobenzene	180	13.513	13.513	0.000	94	64353	20.0	20.0	
133 Hexachlorobutadiene	225	13.691	13.691	0.000	96	23057	20.0	20.2	
134 Naphthalene	128	13.706	13.706	0.000	99	152041	20.0	20.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	13.913	13.913	0.000	96	58265	20.0	20.5	
S 137 1,2-Dichloroethene, Total	100				0		40.0	40.3	
S 138 Xylenes, Total	100				0		40.0	39.8	
S 139 Total BTEX	1				0		100.0	101.6	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00339	Amount Added: 20.00	Units: uL	
524freon_00013	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00107	Amount Added: 20.00	Units: uL	
ACROLEIN W_00097	Amount Added: 4.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43450.D

Injection Date: 04-Nov-2019 10:08:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: STD20

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

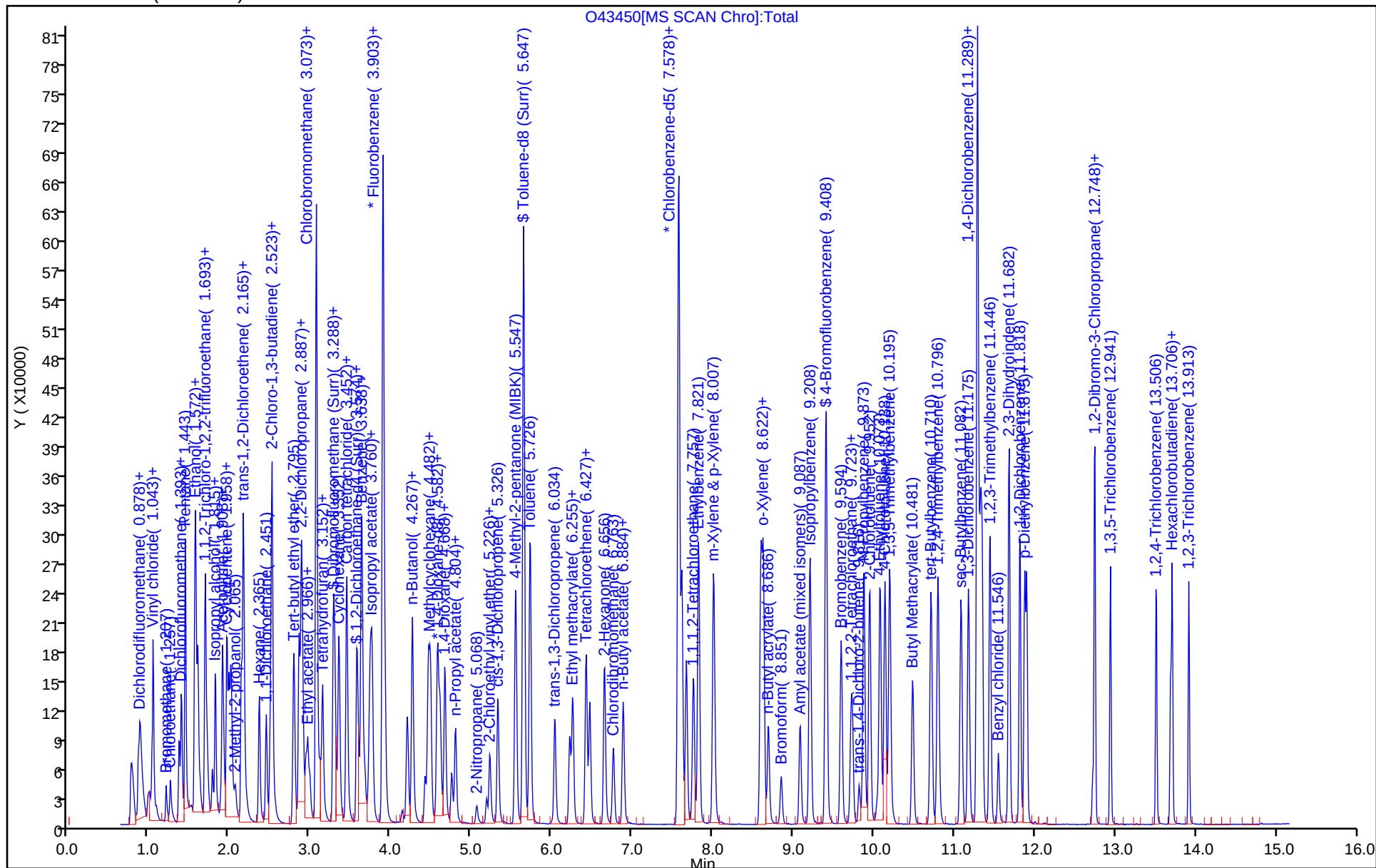
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43450.D

Injection Date: 04-Nov-2019 10:08:30

Instrument ID: CVOAMS12

Lims ID: STD20

Client ID:

Operator ID:

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

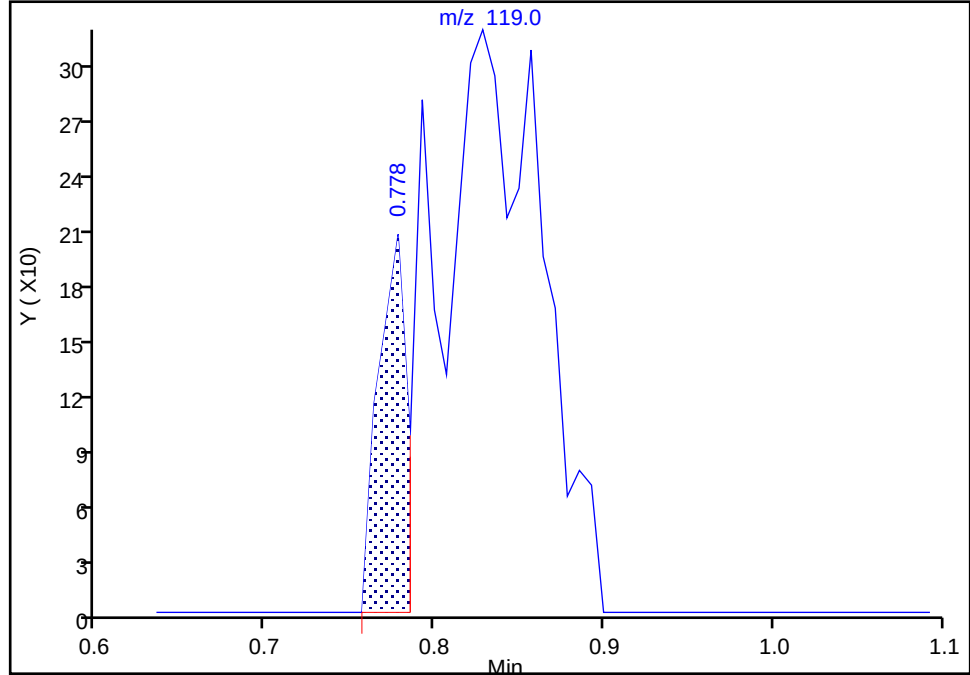
Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

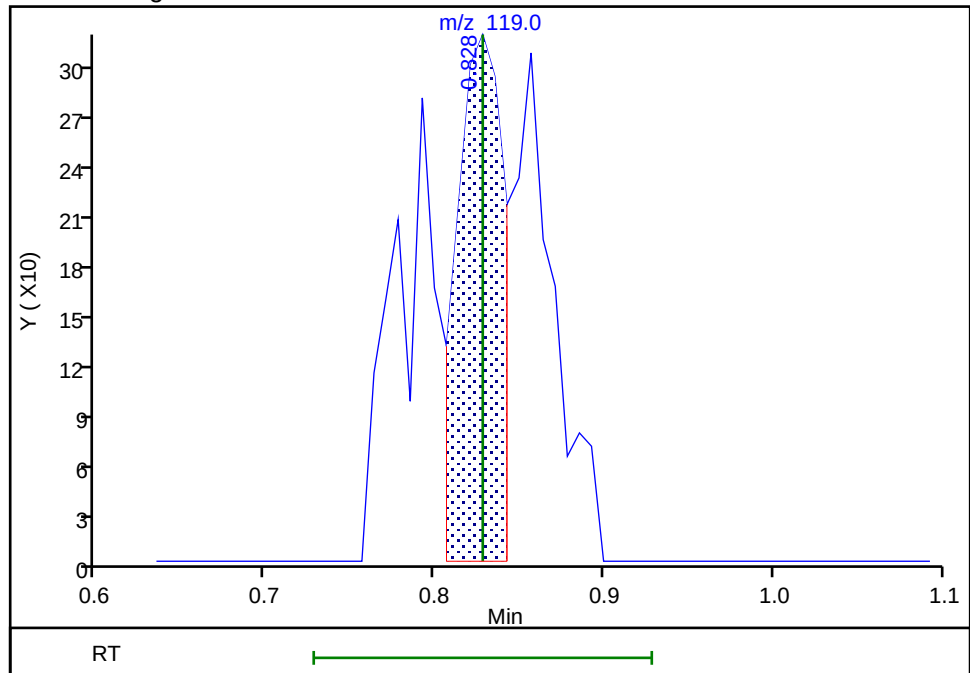
RT: 0.78
Area: 245
Amount: 0.738706
Amount Units: ug/l

Processing Integration Results



RT: 0.83
Area: 627
Amount: 5.634364
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 04-Nov-2019 13:03:26

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43450.D

Injection Date: 04-Nov-2019 10:08:30

Instrument ID: CVOAMS12

Lims ID: STD20

Client ID:

Operator ID:

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

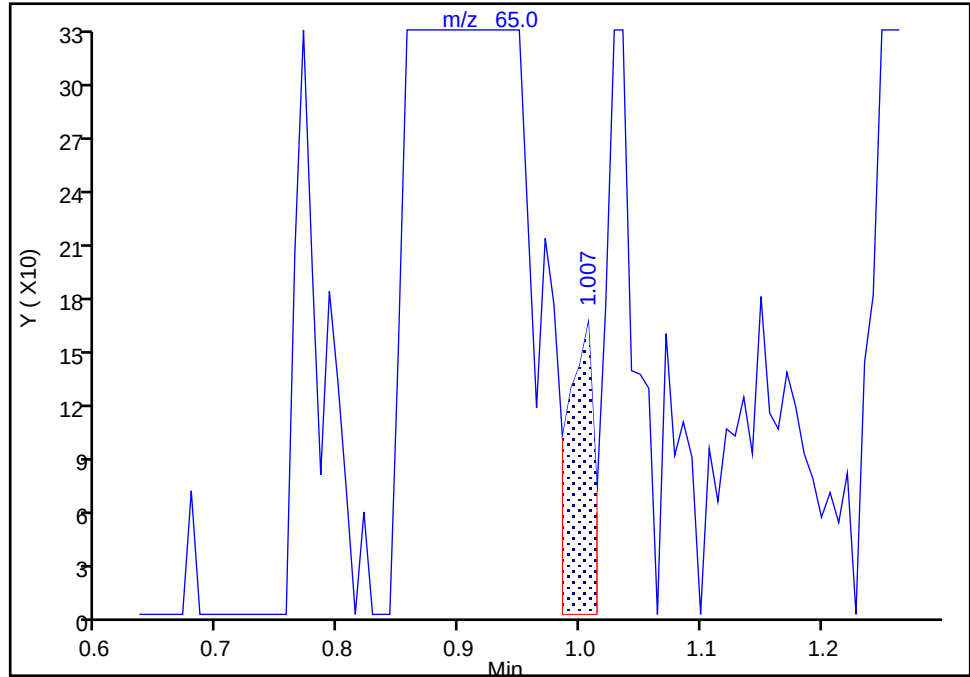
Detector: MS SCAN

3 1,1-Difluoroethane, CAS: 75-37-6

Signal: 1

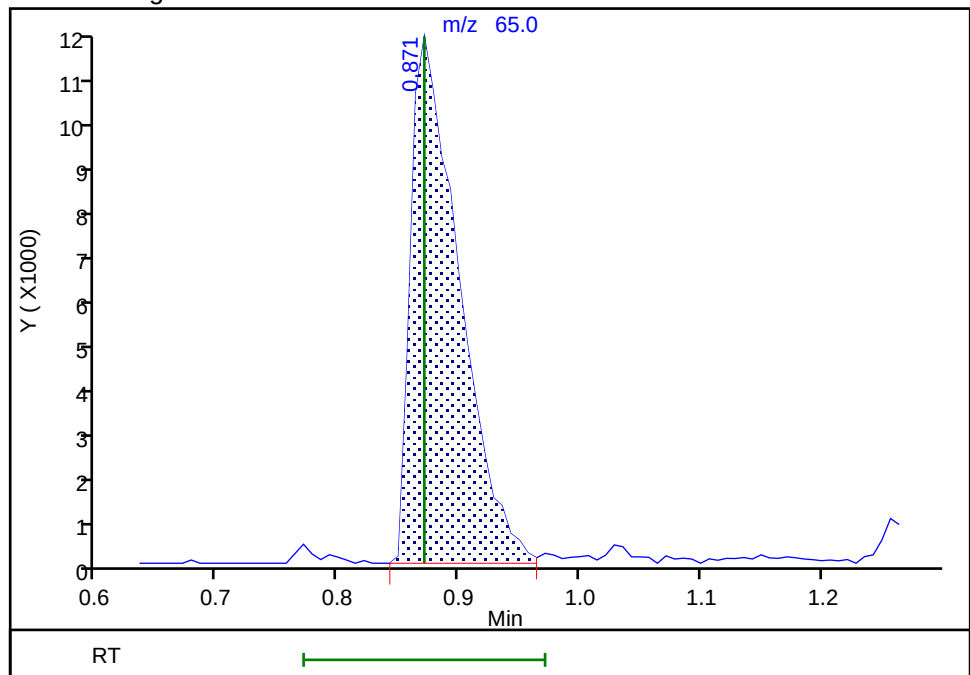
RT: 1.01
Area: 259
Amount: 3.321488
Amount Units: ug/l

Processing Integration Results



RT: 0.87
Area: 31633
Amount: 19.391759
Amount Units: ug/l

Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 10:53:02

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43450.D

Injection Date: 04-Nov-2019 10:08:30

Instrument ID: CVOAMS12

Lims ID: STD20

Client ID:

Operator ID:

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

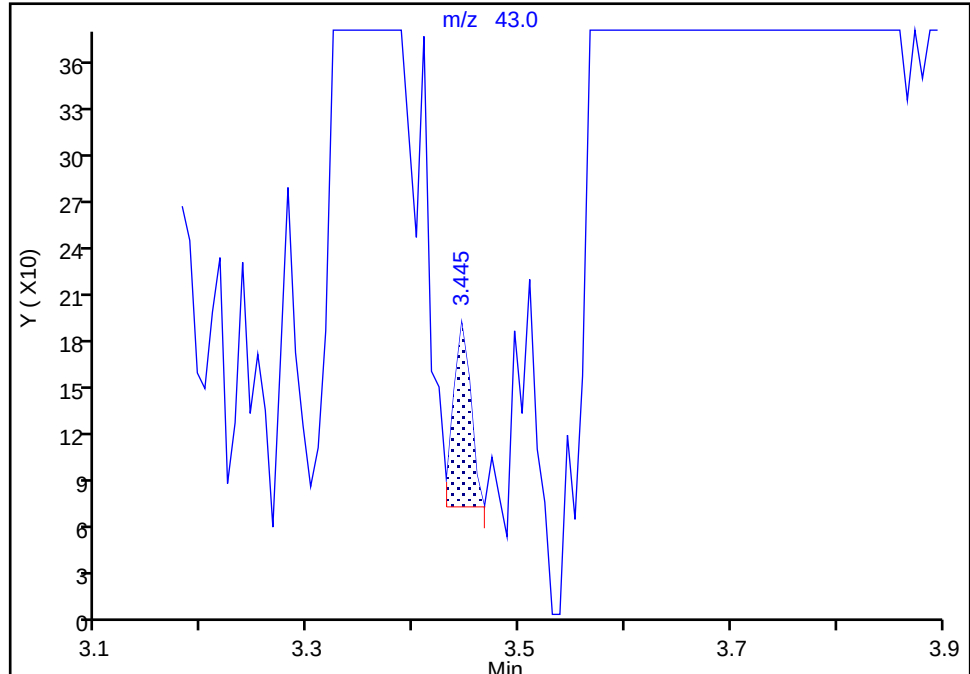
Detector: MS SCAN

59 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

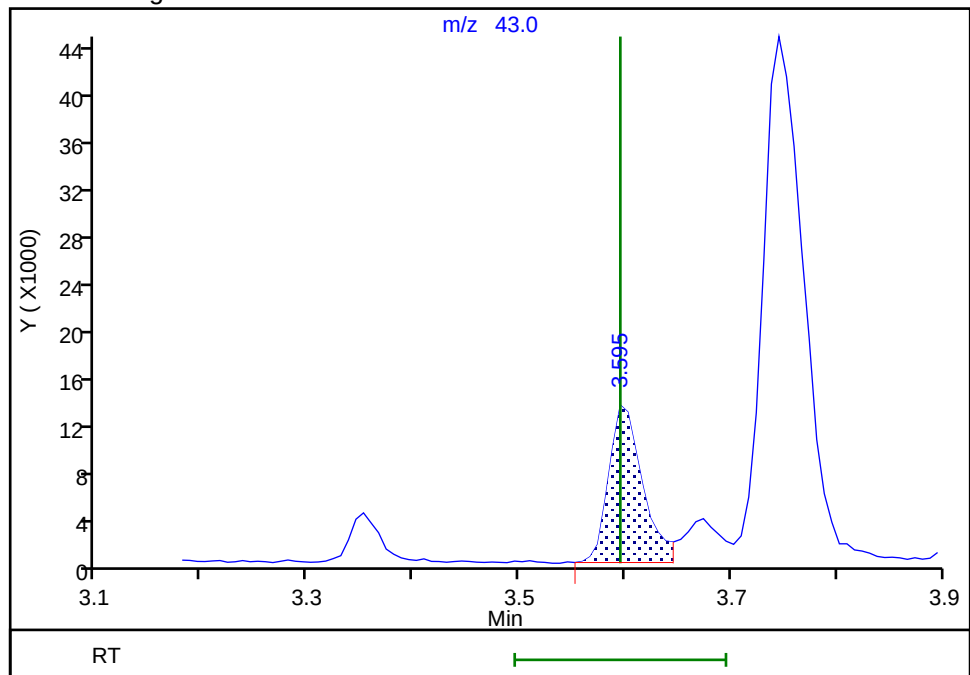
RT: 3.45
Area: 134
Amount: 114.0494
Amount Units: ug/l

Processing Integration Results



RT: 3.60
Area: 29725
Amount: 492.3814
Amount Units: ug/l

Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 10:53:52

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43450.D

Injection Date: 04-Nov-2019 10:08:30

Instrument ID: CVOAMS12

Lims ID: STD20

Client ID:

Operator ID:

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

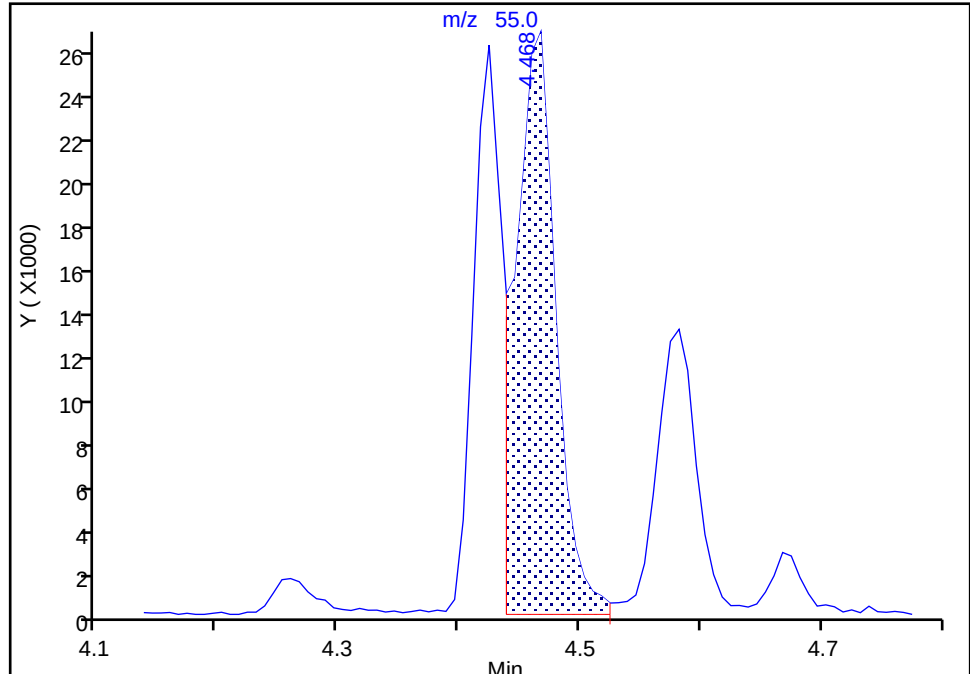
Detector: MS SCAN

69 Ethyl acrylate, CAS: 140-88-5

Signal: 1

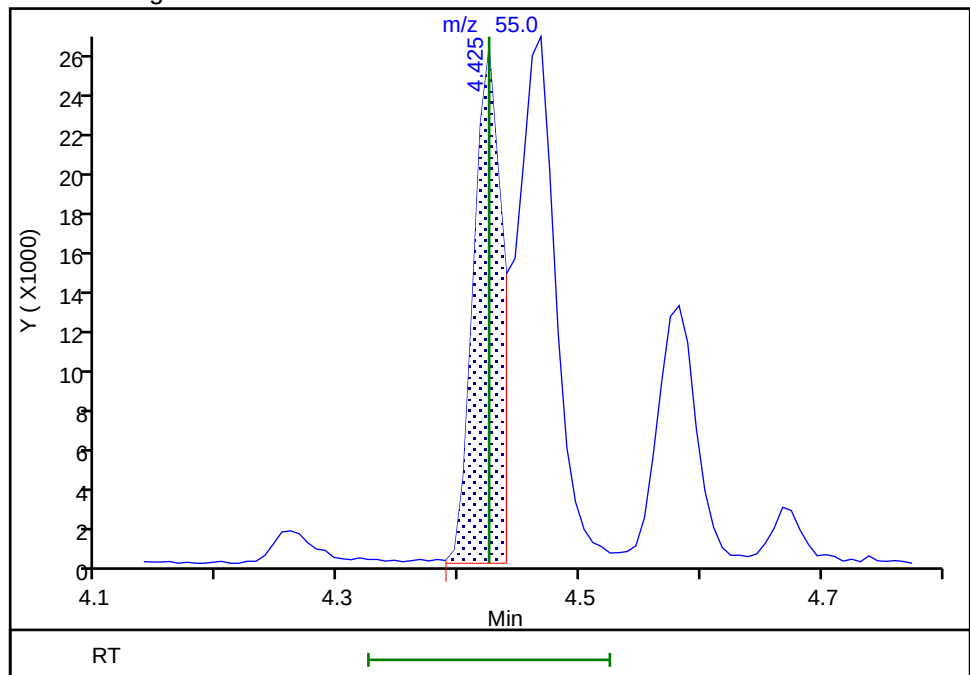
RT: 4.47
Area: 63055
Amount: 18.577351
Amount Units: ug/l

Processing Integration Results



RT: 4.42
Area: 43213
Amount: 15.386915
Amount Units: ug/l

Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 10:54:16

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43451.D
 Lims ID: STD50
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 04-Nov-2019 10:33:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD50
 Misc. Info.: 460-0100553-008
 Operator ID: Instrument ID: CVOAMS12
 Sublist: chrom-8260W_12*sub26
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 05-Nov-2019 10:04:41 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0339

First Level Reviewer: tupayachia

Date: 04-Nov-2019 10:56:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.842	0.828	0.014	68	5863	50.0	50.7	a
2 Chlorotrifluoroethene	116	0.857	0.857	0.000	90	53605	50.0	53.1	
3 1,1-Difluoroethane	65	0.871	0.871	0.000	93	83143	50.0	50.2	a
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	99	182246	50.0	57.7	
5 Chlorodifluoromethane	67	0.892	0.893	-0.001	96	28641	50.0	46.0	
6 Chloromethane	50	0.985	0.986	-0.001	99	168743	50.0	59.9	
7 Vinyl chloride	62	1.028	1.028	0.000	98	164016	50.0	53.0	
8 Butadiene	54	1.042	1.043	-0.001	96	135470	50.0	51.7	
9 Bromomethane	94	1.207	1.207	0.000	98	70897	50.0	55.0	
10 Chloroethane	64	1.264	1.257	0.007	100	96249	50.0	49.1	
11 Dichlorofluoromethane	67	1.371	1.364	0.007	98	233865	50.0	51.5	
12 Trichlorofluoromethane	101	1.400	1.393	0.007	98	204889	50.0	51.9	
13 Pentane	72	1.450	1.443	0.007	96	50520	100.0	99.9	
14 Ethanol	46	1.507	1.507	0.000	68	25685	2000.0	1788.4	
15 Ethyl ether	59	1.557	1.565	-0.008	98	99403	50.0	49.7	
16 1,2-Dichloro-1,1,2-trifluo	117	1.564	1.565	-0.001	88	104714	50.0	50.8	
17 2-Methyl-1,3-butadiene	53	1.579	1.572	0.007	95	107115	50.0	54.9	
18 1,1,1-Trifluoro-2,2-dichlo	83	1.600	1.600	0.000	94	171009	50.0	47.6	
19 Acrolein	56	1.629	1.629	0.000	86	20927	100.0	96.8	
20 1,1-Dichloroethene	96	1.693	1.686	0.007	98	113859	50.0	47.0	
21 1,1,2-Trichloro-1,2,2-trif	101	1.700	1.693	0.007	98	121123	50.0	47.1	
22 Acetone	58	1.722	1.722	0.000	88	48788	250.0	282.2	
23 Iodomethane	127	1.779	1.779	0.000	97	57626	50.0	42.8	
24 Isopropyl alcohol	45	1.808	1.808	0.000	98	53327	500.0	419.9	
25 Carbon disulfide	76	1.822	1.815	0.007	99	367114	50.0	49.6	
26 3-Chloro-1-propene	76	1.908	1.908	0.000	93	84699	50.0	46.3	
27 Acetonitrile	38	1.908	1.908	0.000	81	37036	500.0	484.2	
28 Methyl acetate	74	1.922	1.922	0.000	99	27112	100.0	92.1	
29 Cyclopentene	67	1.965	1.965	0.000	96	321872	50.0	50.9	
30 Methylene Chloride	84	1.986	1.987	-0.001	90	139955	50.0	46.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.008	2.015	-0.007	99	158422	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.065	2.065	0.000	99	73130	500.0	478.9	
33 Acrylonitrile	53	2.144	2.144	0.000	94	295456	500.0	511.3	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	94	135257	50.0	51.3	
35 Methyl tert-butyl ether	73	2.172	2.172	0.000	97	333457	50.0	52.4	
36 Hexane	57	2.365	2.365	0.000	92	140939	50.0	50.5	
37 1,1-Dichloroethane	63	2.451	2.451	0.000	100	219433	50.0	47.5	
38 Vinyl acetate	86	2.501	2.501	0.000	100	33273	100.0	95.9	
40 2-Chloro-1,3-butadiene	88	2.523	2.523	0.000	73	136663	50.0	54.3	
39 Isopropyl ether	45	2.523	2.523	0.000	90	396591	50.0	51.8	
41 Tert-butyl ethyl ether	59	2.794	2.795	0.000	91	362423	50.0	52.6	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	100	208654	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	96	148529	50.0	49.3	
43 2,2-Dichloropropane	97	2.887	2.887	0.000	76	36740	50.0	50.4	
45 2-Butanone (MEK)	72	2.909	2.909	0.000	99	64905	250.0	255.5	
46 Propionitrile	52	2.944	2.945	-0.001	98	26256	500.0	455.0	
47 Ethyl acetate	70	2.966	2.966	0.000	100	21772	100.0	99.7	
48 Methyl acrylate	55	2.995	2.995	-0.001	99	94506	50.0	49.9	
50 Chlorobromomethane	128	3.080	3.073	0.007	84	69762	50.0	48.6	
49 Methacrylonitrile	67	3.073	3.073	0.000	91	450084	500.0	525.9	
51 Tetrahydrofuran	42	3.123	3.123	0.000	79	54118	100.0	96.8	
52 Chloroform	83	3.152	3.152	0.000	99	224232	50.0	48.0	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	107583	50.0	48.9	
54 1,1,1-Trichloroethane	97	3.302	3.302	0.000	98	191208	50.0	50.5	
55 Cyclohexane	84	3.352	3.352	0.000	89	194164	50.0	52.3	
57 1,1-Dichloropropene	75	3.452	3.452	0.000	96	181612	50.0	48.9	
56 Carbon tetrachloride	117	3.452	3.452	0.000	79	153009	50.0	50.2	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.574	3.574	0.000	0	113524	50.0	48.6	
59 Isobutyl alcohol	43	3.595	3.595	0.000	96	81931	1250.0	1310.2	
60 Benzene	78	3.631	3.631	0.000	96	541349	50.0	50.5	
61 1,2-Dichloroethane	62	3.645	3.645	0.000	98	168466	50.0	47.2	
62 Isooctane	57	3.738	3.738	0.000	97	244551	50.0	51.4	
63 Isopropyl acetate	61	3.745	3.745	0.000	98	39163	50.0	54.5	
64 Tert-amyl methyl ether	73	3.767	3.767	0.000	99	345088	50.0	52.9	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	601097	50.0	50.0	
66 n-Heptane	43	3.924	3.924	0.000	91	95087	50.0	47.5	
67 n-Butanol	56	4.260	4.260	0.000	91	61971	1250.0	1430.7	
68 Trichloroethene	95	4.267	4.267	0.000	98	149983	50.0	51.3	
69 Ethyl acrylate	55	4.425	4.425	0.000	98	135222	50.0	47.4	
70 Methylcyclohexane	83	4.467	4.468	-0.001	94	190849	50.0	51.5	
71 1,2-Dichloropropane	63	4.489	4.489	0.000	93	140688	50.0	52.0	
73 Dibromomethane	93	4.610	4.611	-0.001	95	79025	50.0	50.2	
* 72 1,4-Dioxane-d8	96	4.610	4.611	-0.001	0	31973	1000.0	1000.0	
74 1,4-Dioxane	88	4.661	4.668	-0.008	73	30771	1000.0	971.2	
75 Methyl methacrylate	100	4.668	4.675	-0.007	87	65783	100.0	108.3	
76 n-Propyl acetate	43	4.753	4.754	-0.001	98	129569	50.0	53.0	
77 Dichlorobromomethane	83	4.804	4.804	0.000	99	172315	50.0	50.7	
78 2-Nitropropane	41	5.068	5.068	0.000	99	35405	100.0	116.9	
79 2-Chloroethyl vinyl ether	63	5.190	5.190	0.000	95	31990	50.1	69.1	
80 Epichlorohydrin	57	5.225	5.226	-0.001	99	165530	1000.0	1075.8	
81 cis-1,3-Dichloropropene	75	5.325	5.326	-0.001	91	213510	50.0	57.3	
82 4-Methyl-2-pentanone (MIBK	43	5.547	5.547	0.000	95	427551	250.0	259.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 83 Toluene-d8 (Surr)	98	5.647	5.647	0.000	99	453096	50.0	49.8	
84 Toluene	91	5.733	5.726	0.007	94	588017	50.0	49.2	
85 trans-1,3-Dichloropropene	75	6.033	6.034	-0.001	97	176159	50.0	56.4	
86 Ethyl methacrylate	69	6.219	6.219	0.000	89	141422	50.0	57.2	
87 1,1,2-Trichloroethane	83	6.255	6.255	0.000	94	96930	50.0	51.2	
88 Tetrachloroethene	166	6.427	6.427	0.000	98	151474	50.0	49.7	
89 1,3-Dichloropropane	76	6.470	6.470	0.000	92	200464	50.0	51.6	
90 2-Hexanone	43	6.655	6.648	0.007	94	313482	250.0	267.3	
91 Chlorodibromomethane	129	6.763	6.763	0.000	98	128071	50.0	55.3	
92 n-Butyl acetate	43	6.884	6.884	0.000	98	143278	50.0	54.7	
93 Ethylene Dibromide	107	6.884	6.884	0.000	99	121582	50.0	53.0	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	84	465771	50.0	50.0	
95 Chlorobenzene	112	7.614	7.614	0.000	96	399764	50.0	50.3	
96 1,1,1,2-Tetrachloroethane	131	7.757	7.757	0.000	95	129846	50.0	54.3	
97 Ethylbenzene	106	7.821	7.821	0.000	98	209955	50.0	50.8	
98 m-Xylene & p-Xylene	106	8.007	8.007	0.000	100	252911	50.0	49.2	
99 o-Xylene	106	8.600	8.601	0.000	94	250416	50.0	50.3	
100 Styrene	104	8.629	8.629	0.000	96	426858	50.0	53.7	
101 n-Butyl acrylate	73	8.693	8.693	0.000	98	83222	50.0	52.4	
102 Bromoform	173	8.851	8.851	0.000	97	79751	50.0	55.4	
103 Amyl acetate (mixed isomer)	43	9.087	9.087	-0.001	92	178316	50.0	52.8	
104 Isopropylbenzene	105	9.208	9.208	0.000	95	603081	50.0	51.1	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	93	147166	50.0	48.5	
106 Bromobenzene	156	9.594	9.594	0.000	95	180452	50.0	51.1	
107 1,1,2,2-Tetrachloroethane	83	9.716	9.716	0.000	98	138384	50.0	50.6	
108 1,2,3-Trichloropropane	110	9.737	9.737	0.000	97	42528	50.0	48.5	
109 trans-1,4-Dichloro-2-buten	53	9.816	9.816	0.000	89	29995	50.0	52.3	
110 N-Propylbenzene	91	9.880	9.873	0.007	100	666552	50.0	49.8	
111 2-Chlorotoluene	91	9.952	9.952	0.000	97	451036	50.0	50.0	
112 4-Ethyltoluene	105	10.080	10.073	0.007	99	591620	50.0	51.5	
113 4-Chlorotoluene	91	10.138	10.138	0.000	96	443229	50.0	49.1	
114 1,3,5-Trimethylbenzene	105	10.195	10.195	0.000	94	490489	50.0	51.5	
115 Butyl Methacrylate	87	10.481	10.481	0.000	88	161476	50.0	47.2	
116 tert-Butylbenzene	119	10.717	10.710	0.007	95	409723	50.0	50.4	
117 1,2,4-Trimethylbenzene	105	10.795	10.796	-0.001	97	491030	50.0	51.9	
118 sec-Butylbenzene	105	11.089	11.082	0.007	98	536787	50.0	50.7	
119 1,3-Dichlorobenzene	146	11.174	11.175	-0.001	96	318513	50.0	50.0	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	95	263889	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.325	11.325	0.000	95	323672	50.0	49.5	
122 4-Isopropyltoluene	119	11.346	11.346	0.000	97	459504	50.0	51.6	
123 1,2,3-Trimethylbenzene	105	11.446	11.446	0.000	98	516802	50.0	53.5	
124 Benzyl chloride	126	11.546	11.546	0.000	99	35991	50.0	40.9	
125 2,3-Dihydroindene	117	11.682	11.682	0.000	94	563952	50.0	52.0	
126 1,2-Dichlorobenzene	146	11.818	11.818	0.000	96	317247	50.0	51.3	
127 p-Diethylbenzene	119	11.875	11.875	0.000	93	241130	50.0	52.3	
128 n-Butylbenzene	92	11.897	11.897	0.000	97	196170	50.0	52.0	
129 1,2-Dibromo-3-Chloropropan	75	12.719	12.719	0.000	94	26361	50.0	54.7	
130 1,2,4,5-Tetramethylbenzene	119	12.747	12.748	-0.001	98	412098	50.0	48.9	
131 1,3,5-Trichlorobenzene	180	12.940	12.941	-0.001	98	190431	50.0	52.1	
132 1,2,4-Trichlorobenzene	180	13.505	13.513	-0.008	94	167863	50.0	51.1	
133 Hexachlorobutadiene	225	13.691	13.691	0.000	96	66576	50.0	57.0	
134 Naphthalene	128	13.706	13.706	0.000	99	356976	50.0	47.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	13.913	13.913	0.000	96	149291	50.0	51.5	
S 137 1,2-Dichloroethene, Total	100				0		100.0	100.7	
S 138 Xylenes, Total	100				0		100.0	99.5	
S 139 Total BTEX	1				0		250.0	249.9	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00339	Amount Added: 50.00	Units: uL	
524freon_00013	Amount Added: 50.00	Units: uL	
8260MIX1COMB_00107	Amount Added: 50.00	Units: uL	
ACROLEIN W_00097	Amount Added: 10.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Operator ID:

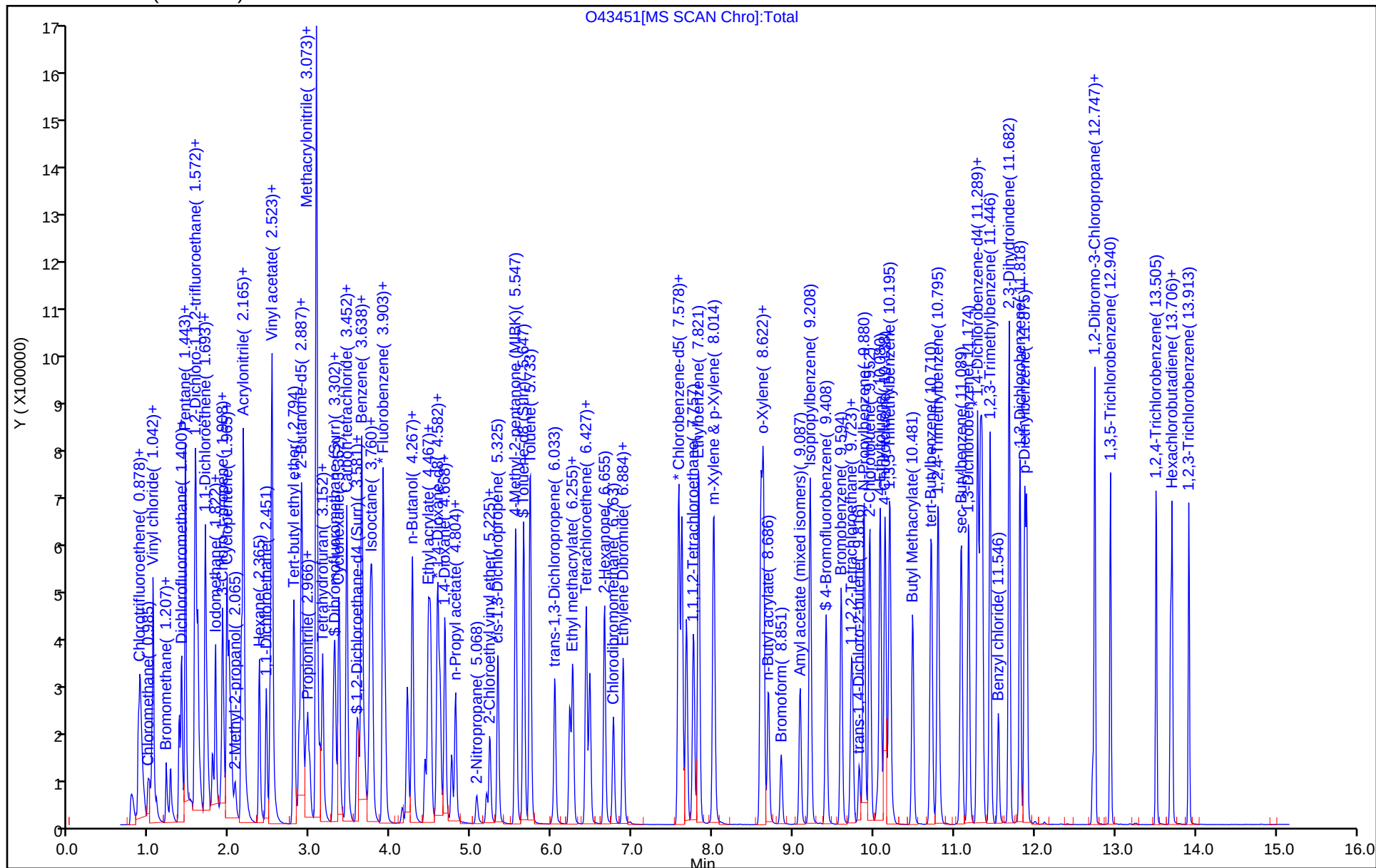
Worklist Smp#: 8

Client ID:

ALS Bottle#: 7

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43451.D

Injection Date: 04-Nov-2019 10:33:30

Instrument ID: CVOAMS12

Lims ID: STD50

Client ID:

Operator ID:

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

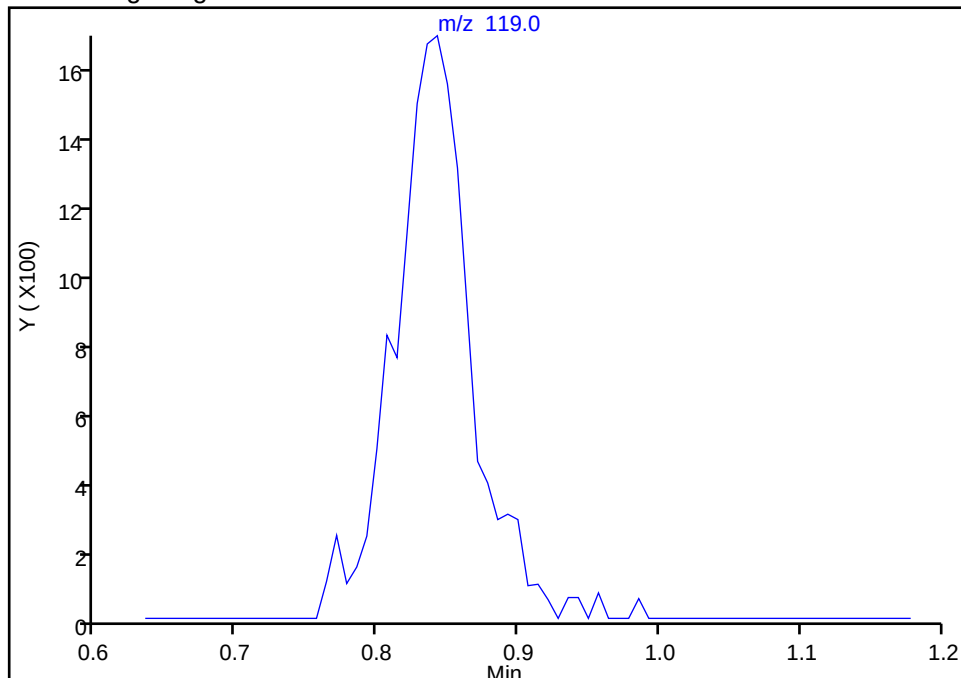
1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

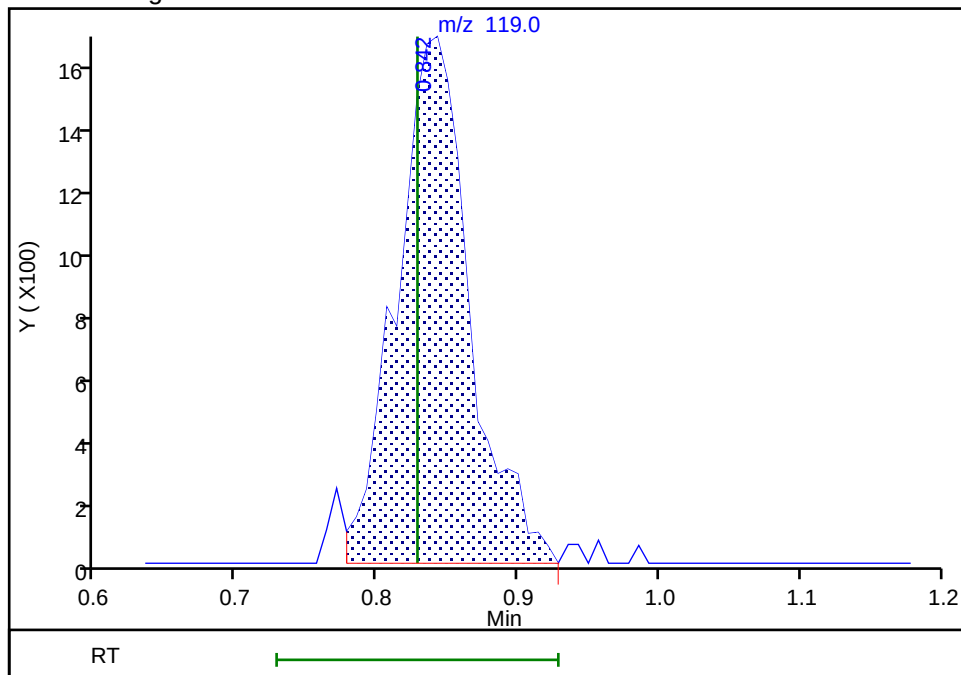
Not Detected

Expected RT: 0.83

Processing Integration Results



Manual Integration Results



Reviewer: pakanatir, 04-Nov-2019 13:12:53

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43451.D

Injection Date: 04-Nov-2019 10:33:30

Instrument ID: CVOAMS12

Lims ID: STD50

Client ID:

Operator ID:

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

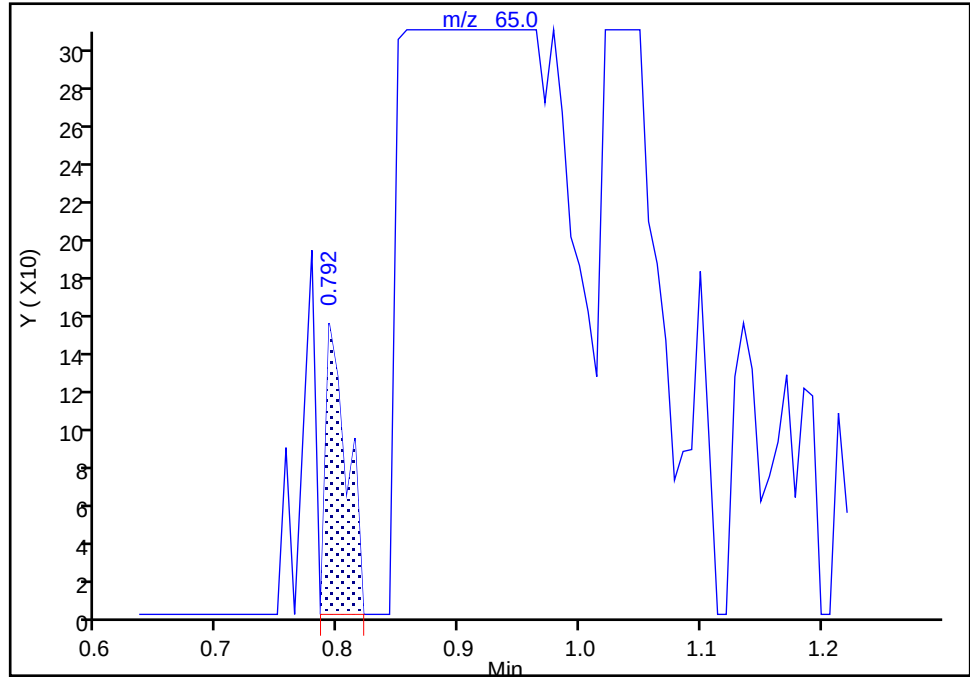
Detector: MS SCAN

3 1,1-Difluoroethane, CAS: 75-37-6

Signal: 1

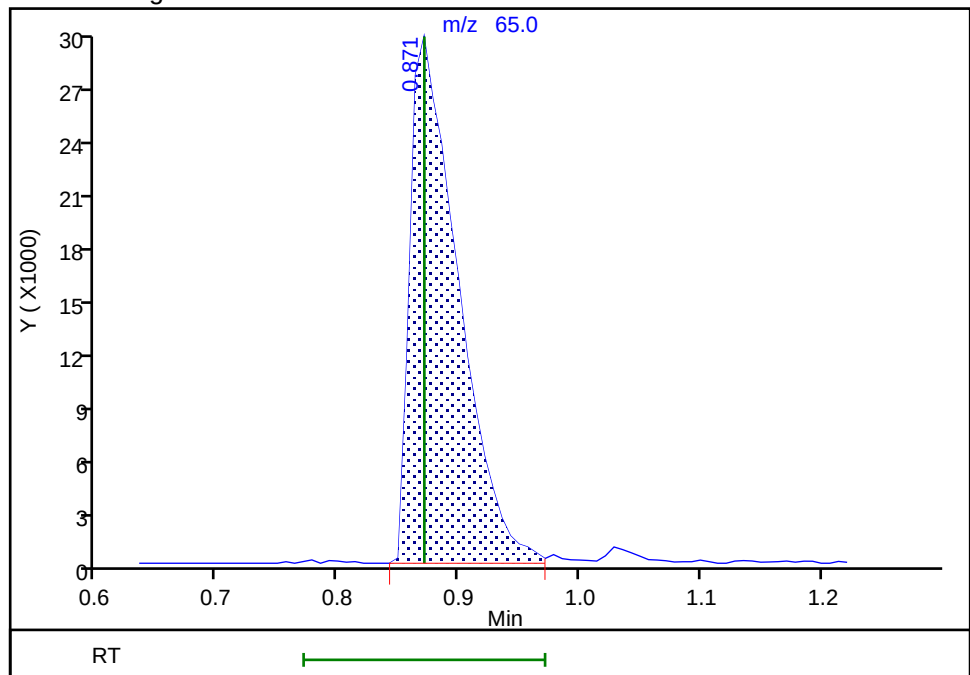
RT: 0.79
Area: 184
Amount: 0.470007
Amount Units: ug/l

Processing Integration Results



RT: 0.87
Area: 83143
Amount: 50.246314
Amount Units: ug/l

Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 10:55:30

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43452.D
 Lims ID: STD200
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 04-Nov-2019 10:59:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD200
 Misc. Info.: 460-0100553-009
 Operator ID: Instrument ID: CVOAMS12
 Sublist: chrom-8260W_12*sub26
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 05-Nov-2019 10:05:02 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0339

First Level Reviewer: tupayachia

Date: 04-Nov-2019 11:34:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.842	0.828	0.014	68	24724	200.0	201.8	a
2 Chlorotrifluoroethene	116	0.857	0.857	0.000	92	236207	200.0	232.1	
3 1,1-Difluoroethane	65	0.871	0.871	0.000	95	334906	200.0	205.5	a
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	99	704239	200.0	226.3	
5 Chlorodifluoromethane	67	0.892	0.893	-0.001	96	118317	200.0	193.1	
6 Chloromethane	50	0.993	0.986	0.007	98	588436	200.0	212.0	
7 Vinyl chloride	62	1.028	1.028	0.000	97	616620	200.0	202.2	
8 Butadiene	54	1.050	1.043	0.007	95	534474	200.0	206.9	
9 Bromomethane	94	1.207	1.207	0.000	99	220515	200.0	169.8	
10 Chloroethane	64	1.257	1.257	0.000	100	287911	200.0	149.2	
11 Dichlorofluoromethane	67	1.364	1.364	0.000	98	839345	200.0	187.8	
12 Trichlorofluoromethane	101	1.393	1.393	0.000	98	721129	200.0	185.3	
13 Pentane	72	1.443	1.443	0.000	95	195690	400.0	392.9	
14 Ethanol	46	1.522	1.507	0.015	93	98814	8000.0	6201.2	
15 Ethyl ether	59	1.557	1.565	-0.008	94	387775	200.0	196.9	
16 1,2-Dichloro-1,1,2-trifluo	117	1.565	1.565	0.000	91	425117	200.0	209.4	
17 2-Methyl-1,3-butadiene	53	1.572	1.572	0.000	96	437221	200.0	227.6	
18 1,1,1-Trifluoro-2,2-dichlo	83	1.600	1.600	0.000	95	681001	200.0	192.3	
19 Acrolein	56	1.636	1.629	0.007	81	54968	200.0	229.0	
20 1,1-Dichloroethene	96	1.686	1.686	0.000	98	442246	200.0	185.3	
21 1,1,2-Trichloro-1,2,2-trif	101	1.693	1.693	0.000	98	446345	200.0	176.2	
22 Acetone	58	1.722	1.722	0.000	88	206772	1000.0	1186.7	
23 Iodomethane	127	1.779	1.779	0.000	98	250708	200.0	204.3	
24 Isopropyl alcohol	45	1.815	1.808	0.007	99	213541	2000.0	1515.5	
25 Carbon disulfide	76	1.822	1.815	0.007	99	1473880	200.0	202.4	
26 3-Chloro-1-propene	76	1.908	1.908	0.000	93	386416	200.0	214.5	
27 Acetonitrile	38	1.908	1.908	0.000	80	147596	2000.0	2006.1	
28 Methyl acetate	74	1.922	1.922	0.000	98	122554	400.0	375.2	
29 Cyclopentene	67	1.958	1.965	-0.007	97	1215621	200.0	195.2	
30 Methylene Chloride	84	1.986	1.987	-0.001	89	546692	200.0	182.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	100	175771	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.065	2.065	0.000	99	326848	2000.0	2009.7	
33 Acrylonitrile	53	2.144	2.144	0.000	94	1306252	2000.0	2295.3	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	93	529987	200.0	204.3	
35 Methyl tert-butyl ether	73	2.172	2.172	0.000	97	1336749	200.0	213.1	
36 Hexane	57	2.365	2.365	0.000	92	545141	200.0	198.2	
37 1,1-Dichloroethane	63	2.451	2.451	0.000	99	890543	200.0	195.8	
38 Vinyl acetate	86	2.501	2.501	0.000	100	131201	400.0	375.3	
40 2-Chloro-1,3-butadiene	88	2.523	2.523	0.000	73	529297	200.0	213.4	
39 Isopropyl ether	45	2.523	2.523	0.000	90	1548615	200.0	205.3	
41 Tert-butyl ethyl ether	59	2.794	2.795	0.000	91	1520014	200.0	223.9	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	98	210300	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	96	581828	200.0	196.1	
43 2,2-Dichloropropane	97	2.887	2.887	0.000	95	156277	200.0	217.8	
45 2-Butanone (MEK)	72	2.909	2.909	0.000	98	260596	1000.0	1017.8	
46 Propionitrile	52	2.952	2.945	0.007	96	107532	2000.0	1679.5	
47 Ethyl acetate	70	2.973	2.966	0.007	99	92660	400.0	421.2	
48 Methyl acrylate	55	2.995	2.995	0.000	98	403360	200.0	216.5	
50 Chlorobromomethane	128	3.088	3.073	0.015	50	266129	200.0	188.4	
49 Methacrylonitrile	67	3.088	3.073	0.015	92	1714657	2000.0	2034.4	
51 Tetrahydrofuran	42	3.123	3.123	0.000	79	217517	400.0	401.7	
52 Chloroform	83	3.152	3.152	0.000	99	860565	200.0	187.0	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	108529	50.0	50.1	
54 1,1,1-Trichloroethane	97	3.302	3.302	0.000	98	754579	200.0	202.5	
55 Cyclohexane	84	3.359	3.352	0.007	88	740889	200.0	202.5	
57 1,1-Dichloropropene	75	3.452	3.452	0.000	98	712339	200.0	194.7	
56 Carbon tetrachloride	117	3.452	3.452	0.000	97	637746	200.0	212.4	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.574	0.007	0	113392	50.0	49.2	
59 Isobutyl alcohol	43	3.602	3.595	0.007	97	378510	5000.0	5455.4	
60 Benzene	78	3.638	3.631	0.007	96	2052701	200.0	189.2	
61 1,2-Dichloroethane	62	3.645	3.645	0.000	98	652623	200.0	185.7	
62 Isooctane	57	3.738	3.738	0.000	95	959590	200.0	204.9	
63 Isopropyl acetate	61	3.745	3.745	0.000	98	172183	200.0	243.2	
64 Tert-amyl methyl ether	73	3.767	3.767	0.000	97	1420912	200.0	221.3	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	591964	50.0	50.0	
66 n-Heptane	43	3.924	3.924	0.000	90	360476	200.0	183.0	
67 n-Butanol	56	4.260	4.260	0.000	87	284491	5000.0	5919.8	
68 Trichloroethene	95	4.267	4.267	0.000	98	592899	200.0	205.9	
69 Ethyl acrylate	55	4.425	4.425	0.000	99	567626	200.0	201.8	
70 Methylcyclohexane	83	4.468	4.468	0.000	95	745734	200.0	204.2	
71 1,2-Dichloropropane	63	4.496	4.489	0.007	92	555217	200.0	208.2	
73 Dibromomethane	93	4.611	4.611	0.000	95	318206	200.0	205.2	
* 72 1,4-Dioxane-d8	96	4.611	4.611	0.000	0	31987	1000.0	1000.0	
74 1,4-Dioxane	88	4.668	4.668	0.000	89	121093	4000.0	3820.3	
75 Methyl methacrylate	100	4.675	4.675	0.000	85	274810	400.0	459.5	
76 n-Propyl acetate	43	4.754	4.754	0.000	97	558551	200.0	232.1	
77 Dichlorobromomethane	83	4.804	4.804	0.000	99	699524	200.0	209.0	
78 2-Nitropropane	41	5.068	5.068	0.000	97	175627	400.0	588.8	
79 2-Chloroethyl vinyl ether	63	5.190	5.190	0.000	95	86645	200.5	191.9	
80 Epichlorohydrin	57	5.233	5.226	0.007	99	576272	4000.0	3715.8	
81 cis-1,3-Dichloropropene	75	5.333	5.326	0.007	91	869500	200.0	230.6	
82 4-Methyl-2-pentanone (MIBK	43	5.554	5.547	0.007	94	1686384	1000.0	1013.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 83 Toluene-d8 (Surr)	98	5.655	5.647	0.007	100	465296	50.0	50.6	
84 Toluene	91	5.733	5.726	0.007	95	2210816	200.0	182.7	
85 trans-1,3-Dichloropropene	75	6.041	6.034	0.007	97	756638	200.0	239.6	
86 Ethyl methacrylate	69	6.227	6.219	0.008	88	593744	200.0	237.3	
87 1,1,2-Trichloroethane	83	6.262	6.255	0.007	93	387672	200.0	202.3	
88 Tetrachloroethene	166	6.427	6.427	0.000	97	598190	200.0	194.1	
89 1,3-Dichloropropane	76	6.477	6.470	0.007	92	808134	200.0	205.9	
90 2-Hexanone	43	6.656	6.648	0.008	94	1224618	1000.0	1036.1	
91 Chlorodibromomethane	129	6.770	6.763	0.007	98	559253	200.0	238.7	
92 n-Butyl acetate	43	6.884	6.884	0.000	98	605436	200.0	228.4	
93 Ethylene Dibromide	107	6.891	6.884	0.007	99	489361	200.0	211.1	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	83	471076	50.0	50.0	
95 Chlorobenzene	112	7.621	7.614	0.007	95	1560327	200.0	194.3	
96 1,1,1,2-Tetrachloroethane	131	7.764	7.757	0.007	96	567158	200.0	234.4	
97 Ethylbenzene	106	7.828	7.821	0.007	98	856002	200.0	204.6	
98 m-Xylene & p-Xylene	106	8.014	8.007	0.007	99	1032128	200.0	198.7	
99 o-Xylene	106	8.608	8.601	0.008	95	1011304	200.0	200.7	
100 Styrene	104	8.636	8.629	0.007	95	1672370	200.0	208.1	
101 n-Butyl acrylate	73	8.693	8.693	0.000	98	351929	200.0	218.5	
102 Bromoform	173	8.851	8.851	0.000	97	365568	200.0	251.0	
103 Amyl acetate (mixed isomer)	43	9.087	9.087	0.000	92	703831	200.0	205.4	
104 Isopropylbenzene	105	9.215	9.208	0.007	96	2339004	200.0	196.0	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	93	162402	50.0	53.0	
106 Bromobenzene	156	9.601	9.594	0.007	94	703661	200.0	197.1	
107 1,1,2,2-Tetrachloroethane	83	9.723	9.716	0.007	97	546246	200.0	197.3	
108 1,2,3-Trichloropropane	110	9.737	9.737	0.000	97	176434	200.0	199.0	
109 trans-1,4-Dichloro-2-buten	53	9.823	9.816	0.007	93	138412	200.0	238.5	
110 N-Propylbenzene	91	9.887	9.873	0.014	99	2625225	200.0	194.0	
111 2-Chlorotoluene	91	9.959	9.952	0.007	97	1740022	200.0	190.6	
112 4-Ethyltoluene	105	10.088	10.073	0.015	98	2336299	200.0	201.0	
113 4-Chlorotoluene	91	10.145	10.138	0.007	96	1673427	200.0	183.3	
114 1,3,5-Trimethylbenzene	105	10.202	10.195	0.007	94	1951640	200.0	202.3	
115 Butyl Methacrylate	87	10.488	10.481	0.007	87	681912	200.0	201.7	
116 tert-Butylbenzene	119	10.717	10.710	0.007	94	1607023	200.0	195.5	
117 1,2,4-Trimethylbenzene	105	10.803	10.796	0.007	97	1987359	200.0	207.7	
118 sec-Butylbenzene	105	11.096	11.082	0.014	98	2097342	200.0	195.8	
119 1,3-Dichlorobenzene	146	11.182	11.175	0.007	95	1249361	200.0	193.7	
* 120 1,4-Dichlorobenzene-d4	152	11.296	11.289	0.007	94	267023	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.332	11.325	0.007	94	1267937	200.0	191.7	
122 4-Isopropyltoluene	119	11.353	11.346	0.007	97	1855350	200.0	206.0	
123 1,2,3-Trimethylbenzene	105	11.453	11.446	0.007	98	2056905	200.0	210.4	
124 Benzyl chloride	126	11.553	11.546	0.007	99	185451	200.0	204.5	
125 2,3-Dihydroindene	117	11.689	11.682	0.007	95	2115114	200.0	192.6	
126 1,2-Dichlorobenzene	146	11.818	11.818	0.000	95	1215370	200.0	194.4	
127 p-Diethylbenzene	119	11.882	11.875	0.007	94	1013873	200.0	217.2	
128 n-Butylbenzene	92	11.904	11.897	0.007	98	811988	200.0	212.7	
129 1,2-Dibromo-3-Chloropropan	75	12.719	12.719	0.000	94	109724	200.0	224.9	
130 1,2,4,5-Tetramethylbenzene	119	12.748	12.748	0.000	98	1361586	200.0	159.5	
131 1,3,5-Trichlorobenzene	180	12.941	12.941	0.000	97	755036	200.0	204.2	
132 1,2,4-Trichlorobenzene	180	13.513	13.513	0.000	95	655276	200.0	197.2	
133 Hexachlorobutadiene	225	13.691	13.691	0.000	96	244978	200.0	207.4	
134 Naphthalene	128	13.706	13.706	0.000	99	1256833	200.0	165.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	13.913	13.913	0.000	95	577019	200.0	196.8	
S 137 1,2-Dichloroethene, Total	100				0		400.0	400.4	
S 138 Xylenes, Total	100				0		400.0	399.4	
S 139 Total BTEX	1				0		1000.0	975.9	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

MIX 1 Hi_00118	Amount Added: 20.00	Units: uL	
MIX 2 Hi_00090	Amount Added: 20.00	Units: uL	
GAS Hi_00330	Amount Added: 20.00	Units: uL	
ACROLEIN W_00097	Amount Added: 20.00	Units: uL	
8FreonHi_00010	Amount Added: 20.00	Units: uL	
Ethanol mix_00033	Amount Added: 20.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43452.D

Injection Date: 04-Nov-2019 10:59:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: STD200

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

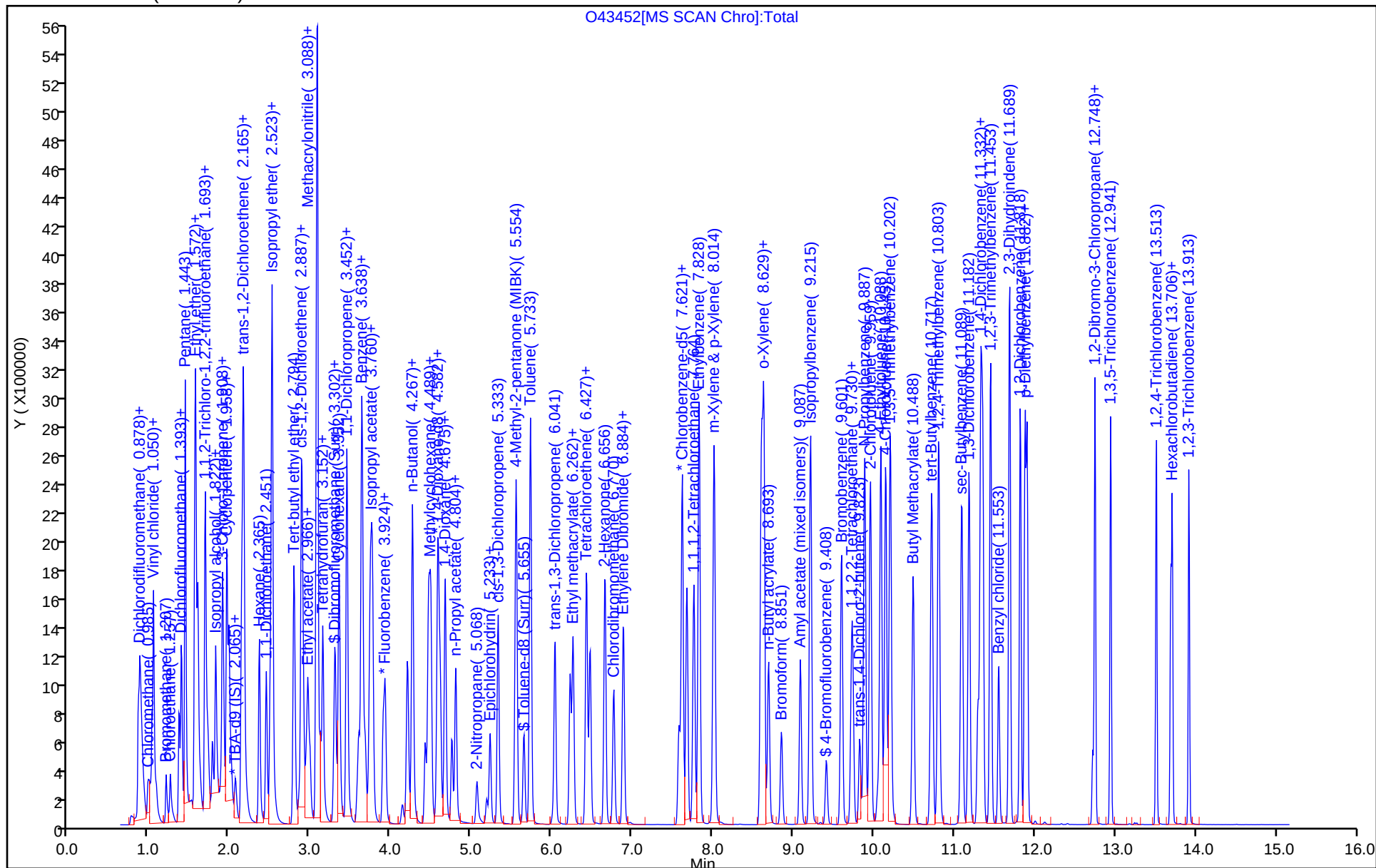
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43452.D

Injection Date: 04-Nov-2019 10:59:30

Instrument ID: CVOAMS12

Lims ID: STD200

Client ID:

Operator ID:

ALS Bottle#:

8

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_12

Limit Group:

VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector

MS SCAN

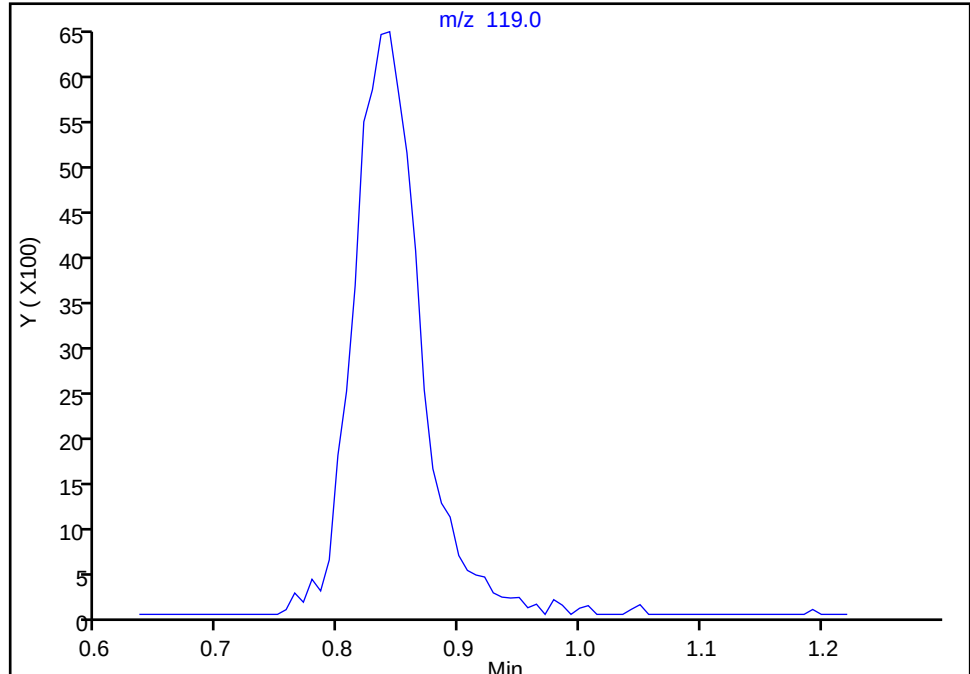
1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

Not Detected

Expected RT: 0.83

Processing Integration Results



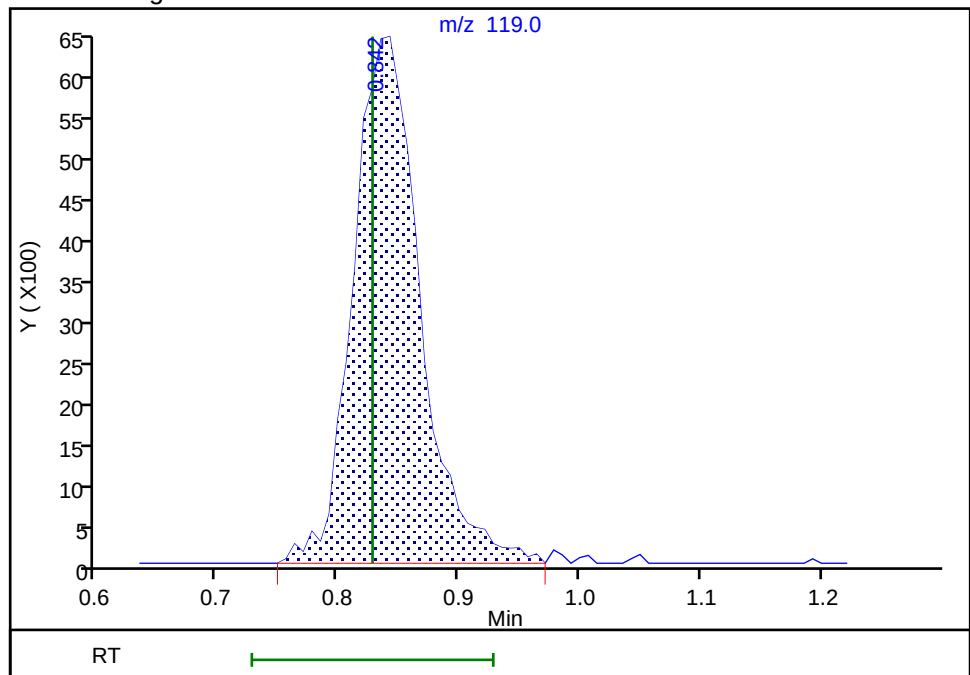
RT: 0.84

Area: 24724

Amount: 201.8180

Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 04-Nov-2019 13:19:23

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43452.D

Injection Date: 04-Nov-2019 10:59:30

Instrument ID: CVOAMS12

Lims ID: STD200

Client ID:

Operator ID:

ALS Bottle#:

8

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

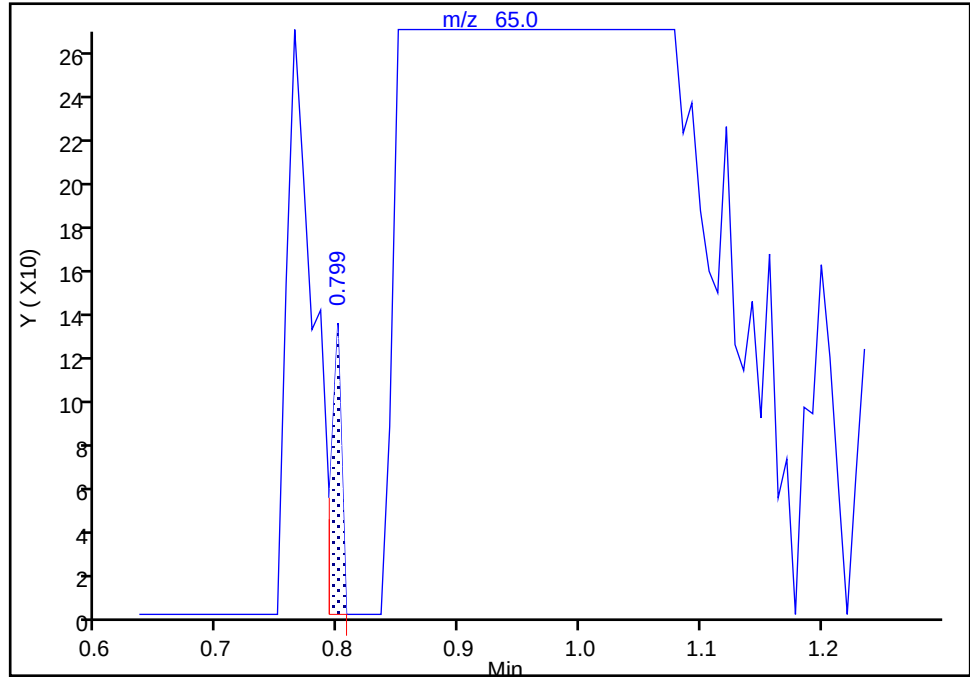
Detector: MS SCAN

3 1,1-Difluoroethane, CAS: 75-37-6

Signal: 1

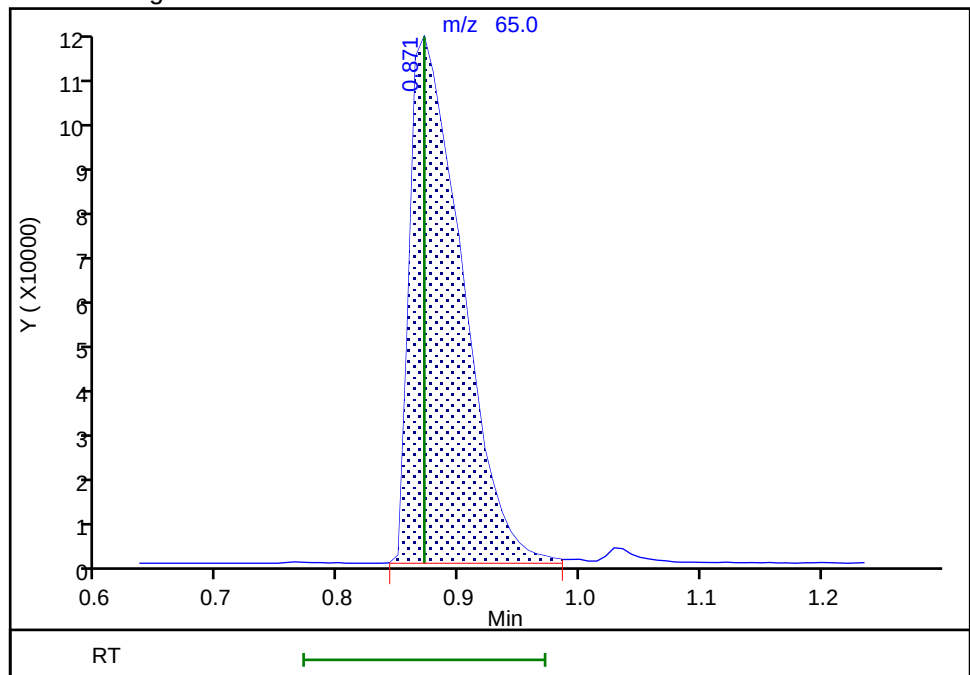
RT: 0.80
Area: 81
Amount: 0.038612
Amount Units: ug/l

Processing Integration Results



RT: 0.87
Area: 334906
Amount: 205.5184
Amount Units: ug/l

Manual Integration Results



Reviewer: tupayachia, 04-Nov-2019 11:27:19

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Lims ID: STD500
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 04-Nov-2019 11:24:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD500
 Misc. Info.: 460-0100553-010
 Operator ID: Instrument ID: CVOAMS12
 Sublist: chrom-8260W_12*sub26
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 05-Nov-2019 10:05:25 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0339

First Level Reviewer: pakanatir

Date: 04-Nov-2019 13:35:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.835	0.828	0.007	76	73255	500.0	499.8	a
2 Chlorotrifluoroethene	116	0.857	0.857	0.000	90	592420	500.0	551.3	
3 1,1-Difluoroethane	65	0.878	0.871	0.007	96	822576	500.0	481.2	
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	98	1875178	500.0	574.5	
5 Chlorodifluoromethane	67	0.900	0.893	0.007	96	294050	500.0	457.5	
6 Chloromethane	50	1.000	0.986	0.014	97	1545436	500.0	530.7	
7 Vinyl chloride	62	1.028	1.028	0.000	97	1614359	500.0	504.7	
8 Butadiene	54	1.050	1.043	0.007	95	1416813	500.0	523.0	
9 Bromomethane	94	1.207	1.207	0.000	99	469654	500.0	342.5	
10 Chloroethane	64	1.257	1.257	0.000	99	429542	500.0	212.2	
11 Dichlorofluoromethane	67	1.364	1.364	0.000	98	2003772	500.0	427.3	
12 Trichlorofluoromethane	101	1.400	1.393	0.007	98	2079763	500.0	509.5	
13 Pentane	72	1.443	1.443	0.000	93	437105	1000.0	836.6	
14 Ethanol	46	1.558	1.507	0.051	92	235467	20000	12360	
15 Ethyl ether	59	1.565	1.565	0.000	96	857855	500.0	415.2	
16 1,2-Dichloro-1,1,2-trifluo	117	1.572	1.565	0.007	87	968221	500.0	454.6	
17 2-Methyl-1,3-butadiene	53	1.572	1.572	0.000	92	984627	500.0	488.6	
18 1,1,1-Trifluoro-2,2-dichlo	83	1.600	1.600	0.000	97	1607864	500.0	432.9	
19 Acrolein	56	1.636	1.629	0.007	91	125576	400.0	437.7	
20 1,1-Dichloroethene	96	1.693	1.686	0.007	98	1141712	500.0	456.0	
21 1,1,2-Trichloro-1,2,2-trif	101	1.693	1.693	0.000	87	1060876	500.0	399.3	
22 Acetone	58	1.729	1.722	0.007	89	435189	2500.0	2365.5	
23 Iodomethane	127	1.779	1.779	0.000	98	549029	500.0	499.1	
24 Isopropyl alcohol	45	1.829	1.808	0.021	99	575291	5000.0	3415.1	
25 Carbon disulfide	76	1.822	1.815	0.007	99	3488909	500.0	456.7	
26 3-Chloro-1-propene	76	1.915	1.908	0.007	92	905644	500.0	479.2	
27 Acetonitrile	38	1.915	1.908	0.007	82	306984	5000.0	4996.8	
28 Methyl acetate	74	1.929	1.922	0.007	97	337326	1000.0	863.9	
29 Cyclopentene	67	1.958	1.965	-0.007	98	2771148	500.0	424.2	
30 Methylene Chloride	84	1.987	1.987	0.000	89	1329426	500.0	423.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.022	2.015	0.007	99	210140	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.079	2.065	0.014	99	892708	5000.0	4998.4	
33 Acrylonitrile	53	2.158	2.144	0.014	93	3200169	5000.0	5360.6	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	94	1167070	500.0	428.8	
35 Methyl tert-butyl ether	73	2.180	2.172	0.008	97	2985046	500.0	453.7	
36 Hexane	57	2.365	2.365	0.000	92	1269440	500.0	440.1	
37 1,1-Dichloroethane	63	2.451	2.451	0.000	99	2076749	500.0	435.3	
38 Vinyl acetate	86	2.501	2.501	0.000	99	476021	1000.0	1289.7	
40 2-Chloro-1,3-butadiene	88	2.523	2.523	0.000	92	1185404	500.0	455.7	
39 Isopropyl ether	45	2.530	2.523	0.007	87	3298627	500.0	416.8	
41 Tert-butyl ethyl ether	59	2.802	2.795	0.008	93	3340754	500.0	469.2	
* 42 2-Butanone-d5	46	2.866	2.859	0.007	97	222050	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.895	2.887	0.008	95	1345814	500.0	432.5	
43 2,2-Dichloropropane	97	2.895	2.887	0.008	73	380418	500.0	505.4	
45 2-Butanone (MEK)	72	2.916	2.909	0.007	98	600730	2500.0	2222.2	
46 Propionitrile	52	2.973	2.945	0.028	97	274549	5000.0	3586.6	
47 Ethyl acetate	70	2.980	2.966	0.014	99	236511	1000.0	1018.2	
48 Methyl acrylate	55	3.002	2.995	0.007	98	1146859	500.0	586.7	
50 Chlorobromomethane	128	3.095	3.073	0.022	84	599315	500.0	404.4	
49 Methacrylonitrile	67	3.109	3.073	0.036	92	3708536	5000.0	4194.6	
51 Tetrahydrofuran	42	3.138	3.123	0.015	90	530170	1000.0	999.9	
52 Chloroform	83	3.159	3.152	0.007	97	1968469	500.0	407.8	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	98	109317	50.0	48.1	
54 1,1,1-Trichloroethane	97	3.309	3.302	0.007	98	1828940	500.0	467.8	
55 Cyclohexane	84	3.359	3.352	0.007	89	1790438	500.0	466.4	
57 1,1-Dichloropropene	75	3.459	3.452	0.007	96	1703546	500.0	443.8	
56 Carbon tetrachloride	117	3.452	3.452	0.000	98	1598220	500.0	507.4	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.574	0.007	0	116362	50.0	48.2	
59 Isobutyl alcohol	43	3.617	3.595	0.022	96	1035506	12500	12484	a
60 Benzene	78	3.638	3.631	0.007	99	4454765	500.0	379.4	
61 1,2-Dichloroethane	62	3.653	3.645	0.008	97	1545603	500.0	419.2	
62 Isooctane	57	3.738	3.738	0.000	98	2289057	500.0	465.9	
63 Isopropyl acetate	61	3.753	3.745	0.008	99	430973	500.0	580.2	
64 Tert-amyl methyl ether	73	3.774	3.767	0.007	92	3290625	500.0	488.6	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	620961	50.0	50.0	
66 n-Heptane	43	3.931	3.924	0.007	89	868492	500.0	420.4	
67 n-Butanol	56	4.275	4.260	0.015	86	767472	12500	13358	
68 Trichloroethene	95	4.275	4.267	0.008	98	1351048	500.0	447.2	
69 Ethyl acrylate	55	4.432	4.425	0.007	99	1481100	500.0	499.8	
70 Methylcyclohexane	83	4.475	4.468	0.007	95	1758898	500.0	459.2	
71 1,2-Dichloropropane	63	4.503	4.489	0.014	92	1344711	500.0	480.8	
73 Dibromomethane	93	4.618	4.611	0.007	96	763422	500.0	469.3	
* 72 1,4-Dioxane-d8	96	4.618	4.611	0.007	0	35992	1000.0	1000.0	
74 1,4-Dioxane	88	4.696	4.668	0.028	84	307307	10000	8616.1	
75 Methyl methacrylate	100	4.682	4.675	0.007	84	679738	1000.0	1083.4	
76 n-Propyl acetate	43	4.768	4.754	0.014	96	1362498	500.0	539.7	
77 Dichlorobromomethane	83	4.811	4.804	0.007	98	1686697	500.0	480.4	
78 2-Nitropropane	41	5.075	5.068	0.007	97	493146	1000.0	1576.1	
79 2-Chloroethyl vinyl ether	63	5.197	5.190	0.007	95	232243	501.2	502.4	
80 Epichlorohydrin	57	5.240	5.226	0.014	99	1399726	10000	8547.9	
81 cis-1,3-Dichloropropene	75	5.340	5.326	0.014	91	2098945	500.0	514.5	
82 4-Methyl-2-pentanone (MIBK	43	5.569	5.547	0.022	92	3946592	2500.0	2246.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 83 Toluene-d8 (Surr)	98	5.662	5.647	0.015	100	478583	50.0	48.1	
84 Toluene	91	5.740	5.726	0.014	96	4766953	500.0	364.2	
85 trans-1,3-Dichloropropene	75	6.048	6.034	0.014	97	1876989	500.0	549.3	
86 Ethyl methacrylate	69	6.234	6.219	0.015	89	1479505	500.0	546.5	a
87 1,1,2-Trichloroethane	83	6.270	6.255	0.015	95	959851	500.0	463.0	
88 Tetrachloroethene	166	6.434	6.427	0.007	96	1435138	500.0	430.4	
89 1,3-Dichloropropane	76	6.484	6.470	0.014	93	1982337	500.0	466.7	
90 2-Hexanone	43	6.677	6.648	0.029	92	2829657	2500.0	2267.4	
91 Chlorodibromomethane	129	6.777	6.763	0.014	98	1421854	500.0	561.0	
92 n-Butyl acetate	43	6.892	6.884	0.008	97	1506065	500.0	525.2	
93 Ethylene Dibromide	107	6.899	6.884	0.015	99	1210291	500.0	482.5	
* 94 Chlorobenzene-d5	117	7.585	7.578	0.007	83	509665	50.0	50.0	
95 Chlorobenzene	112	7.628	7.614	0.014	92	3603044	500.0	414.7	
96 1,1,1,2-Tetrachloroethane	131	7.771	7.757	0.014	96	1426814	500.0	545.1	
97 Ethylbenzene	106	7.843	7.821	0.022	96	2054250	500.0	453.8	
98 m-Xylene & p-Xylene	106	8.028	8.007	0.021	97	2479117	500.0	441.1	
99 o-Xylene	106	8.615	8.601	0.015	96	2406292	500.0	441.4	
100 Styrene	104	8.651	8.629	0.022	93	3746414	500.0	431.0	
101 n-Butyl acrylate	73	8.701	8.693	0.008	99	875644	500.0	502.3	
102 Bromoform	173	8.858	8.851	0.007	97	937805	500.0	595.2	
103 Amyl acetate (mixed isomer)	43	9.101	9.087	0.014	93	1731924	500.0	486.8	
104 Isopropylbenzene	105	9.223	9.208	0.015	97	5130186	500.0	397.3	
\$ 105 4-Bromofluorobenzene	174	9.416	9.408	0.008	92	166539	50.0	50.2	
106 Bromobenzene	156	9.609	9.594	0.015	95	1656148	500.0	447.1	
107 1,1,2,2-Tetrachloroethane	83	9.730	9.716	0.014	97	1408048	500.0	490.1	
108 1,2,3-Trichloropropane	110	9.752	9.737	0.015	98	435282	500.0	473.3	
109 trans-1,4-Dichloro-2-buten	53	9.837	9.816	0.021	94	366930	500.0	609.5	
110 N-Propylbenzene	91	9.902	9.873	0.029	97	5975659	500.0	425.5	
111 2-Chlorotoluene	91	9.973	9.952	0.021	96	3930607	500.0	415.0	
112 4-Ethyltoluene	105	10.102	10.073	0.029	96	5211847	500.0	432.2	
113 4-Chlorotoluene	91	10.166	10.138	0.028	96	3427943	500.0	361.9	
114 1,3,5-Trimethylbenzene	105	10.216	10.195	0.021	94	4275012	500.0	427.2	
115 Butyl Methacrylate	87	10.502	10.481	0.021	89	1667827	500.0	499.7	
116 tert-Butylbenzene	119	10.731	10.710	0.021	93	3656668	500.0	428.7	
117 1,2,4-Trimethylbenzene	105	10.817	10.796	0.021	97	4339001	500.0	437.2	
118 sec-Butylbenzene	105	11.103	11.082	0.021	96	4626074	500.0	416.2	
119 1,3-Dichlorobenzene	146	11.196	11.175	0.021	93	2795006	500.0	417.6	
* 120 1,4-Dichlorobenzene-d4	152	11.303	11.289	0.014	95	277052	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.339	11.325	0.014	94	2756757	500.0	401.8	
122 4-Isopropyltoluene	119	11.368	11.346	0.022	99	3979464	500.0	425.9	
123 1,2,3-Trimethylbenzene	105	11.468	11.446	0.022	96	4316701	500.0	425.5	
124 Benzyl chloride	126	11.561	11.546	0.015	99	484579	500.0	499.4	
125 2,3-Dihydroindene	117	11.697	11.682	0.015	95	4289137	500.0	376.4	
126 1,2-Dichlorobenzene	146	11.832	11.818	0.014	93	2598070	500.0	400.5	
127 p-Diethylbenzene	119	11.890	11.875	0.015	93	2261514	500.0	467.0	
128 n-Butylbenzene	92	11.911	11.897	0.014	97	1824201	500.0	460.6	
129 1,2-Dibromo-3-Chloropropan	75	12.719	12.719	0.000	96	265883	500.0	525.3	
130 1,2,4,5-Tetramethylbenzene	119	12.755	12.748	0.007	98	2997886	500.0	338.5	
131 1,3,5-Trichlorobenzene	180	12.948	12.941	0.007	97	1609342	500.0	419.4	
132 1,2,4-Trichlorobenzene	180	13.513	13.513	0.000	95	1434471	500.0	416.1	
133 Hexachlorobutadiene	225	13.691	13.691	0.000	95	531391	500.0	433.6	
134 Naphthalene	128	13.713	13.706	0.007	97	2792450	500.0	353.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	13.920	13.913	0.007	95	1240286	500.0	407.7	
S 137 1,2-Dichloroethene, Total	100				0		1000.0	861.3	
S 138 Xylenes, Total	100				0		1000.0	882.5	
S 139 Total BTEX	1				0		2500.0	2080.0	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

MIX 1 Hi_00118	Amount Added: 50.00	Units: uL	
MIX 2 Hi_00090	Amount Added: 50.00	Units: uL	
GAS Hi_00330	Amount Added: 50.00	Units: uL	
ACROLEIN W_00097	Amount Added: 40.00	Units: uL	
8FreonHi_00010	Amount Added: 50.00	Units: uL	
Ethanol mix_00033	Amount Added: 50.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D

Injection Date: 04-Nov-2019 11:24:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: STD500

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

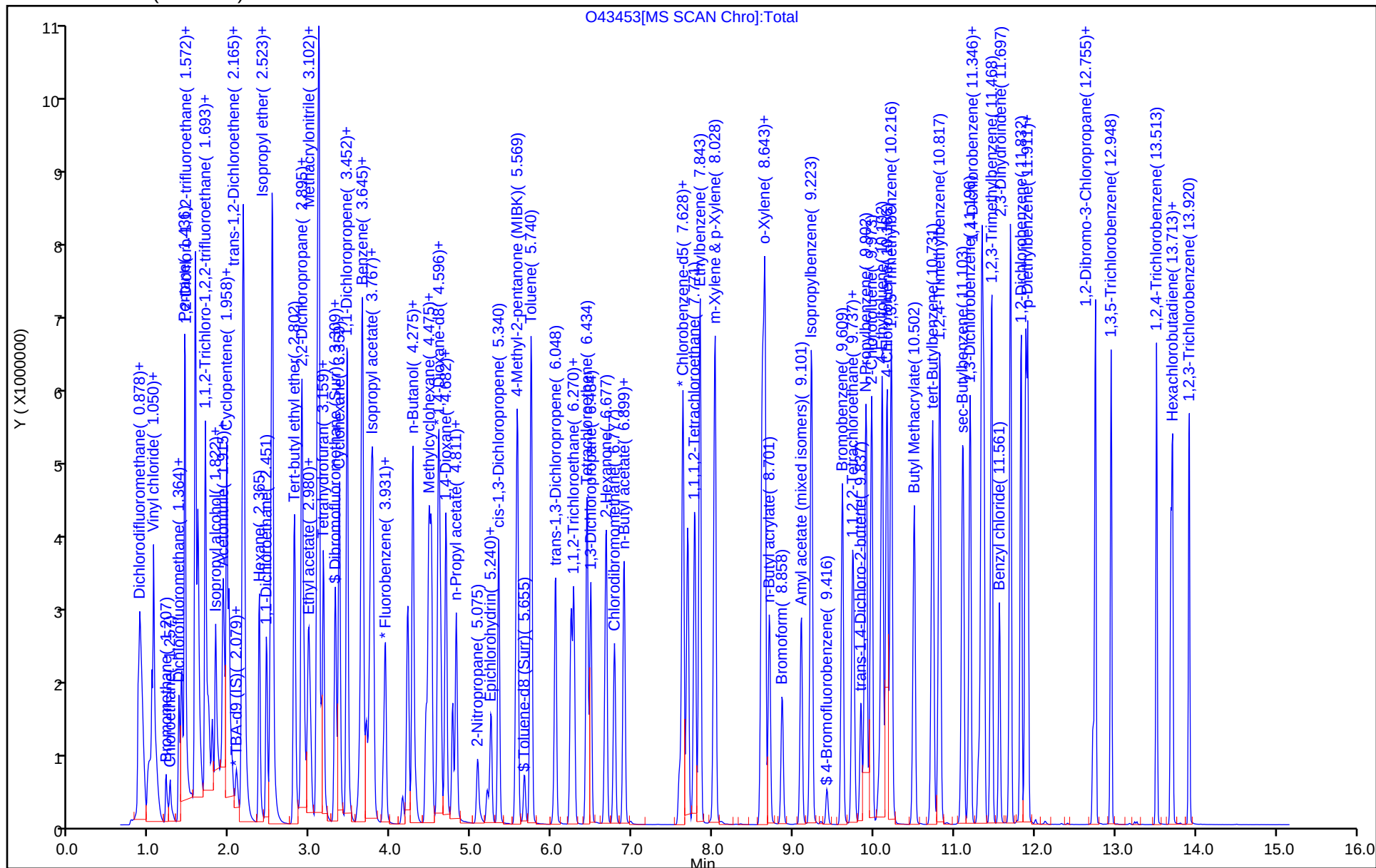
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D

Injection Date: 04-Nov-2019 11:24:30

Instrument ID: CVOAMS12

Lims ID: STD500

Client ID:

Operator ID:

ALS Bottle#:

9

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

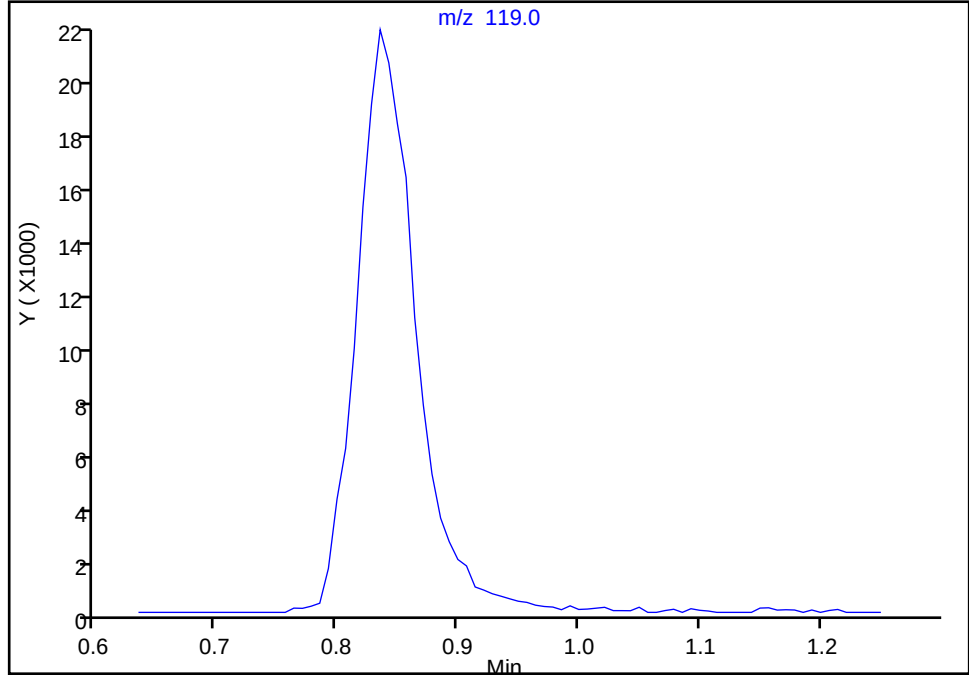
1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

Not Detected

Expected RT: 0.83

Processing Integration Results



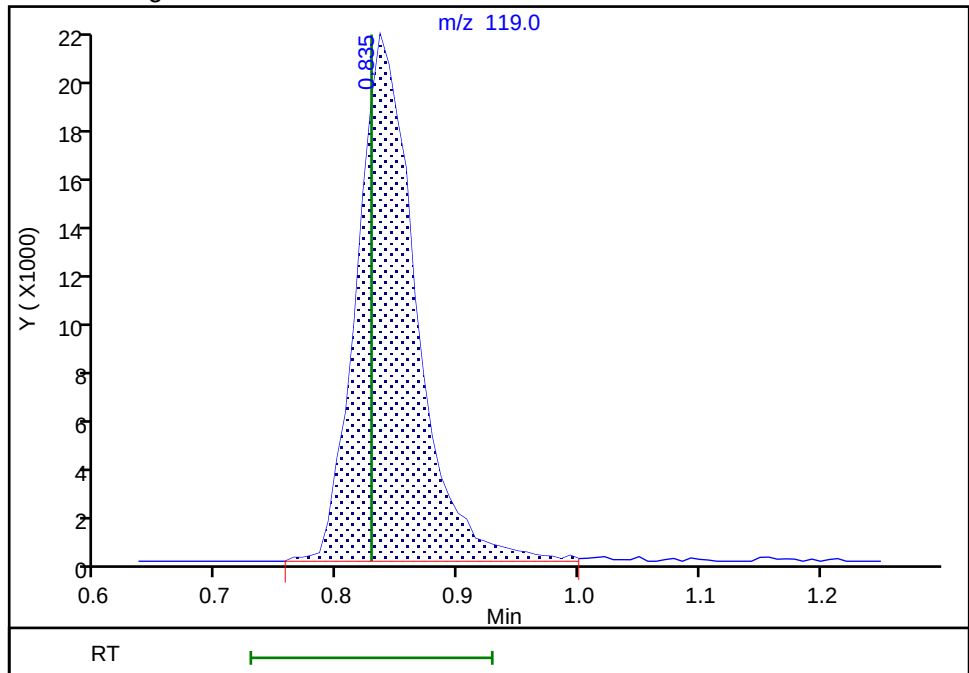
RT: 0.84

Area: 73255

Amount: 499.7791

Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 04-Nov-2019 13:33:58

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D

Injection Date: 04-Nov-2019 11:24:30

Instrument ID: CVOAMS12

Lims ID: STD500

Client ID:

Operator ID:

ALS Bottle#:

9

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

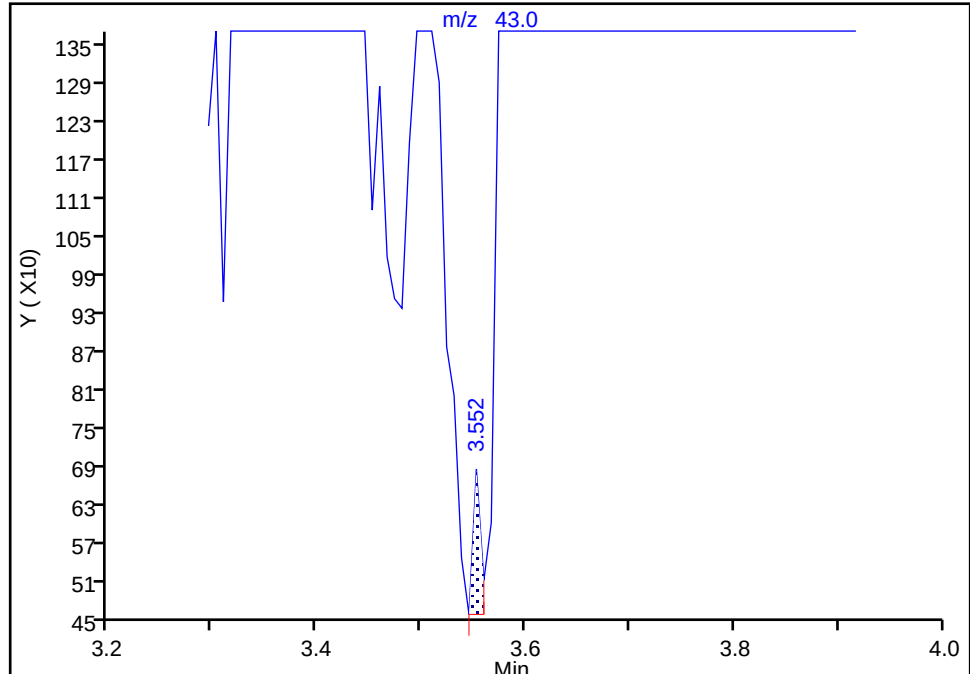
Detector: MS SCAN

59 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

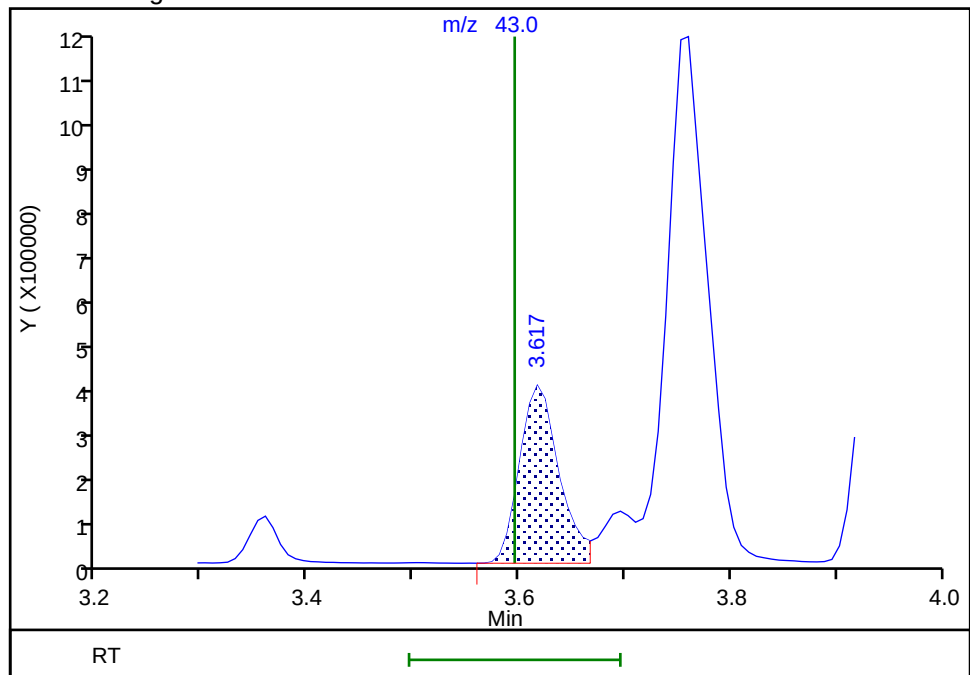
RT: 3.55
Area: 120
Amount: 1.988789
Amount Units: ug/l

Processing Integration Results



RT: 3.62
Area: 1035506
Amount: 12484
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 04-Nov-2019 13:34:37

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D

Injection Date: 04-Nov-2019 11:24:30

Instrument ID: CVOAMS12

Lims ID: STD500

Client ID:

Operator ID:

ALS Bottle#:

9

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector MS SCAN

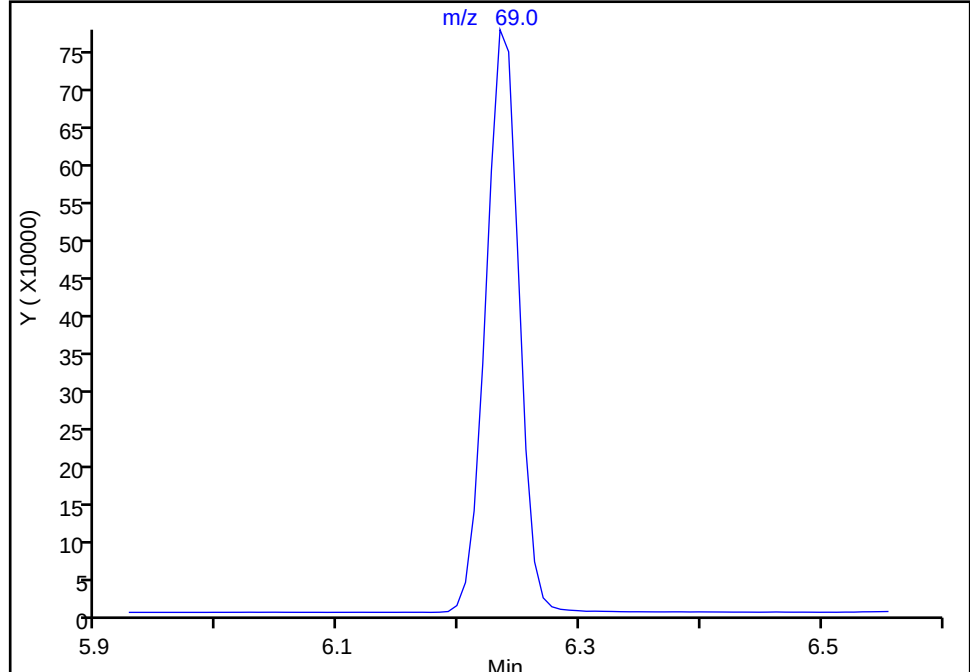
86 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

Not Detected

Expected RT: 6.22

Processing Integration Results



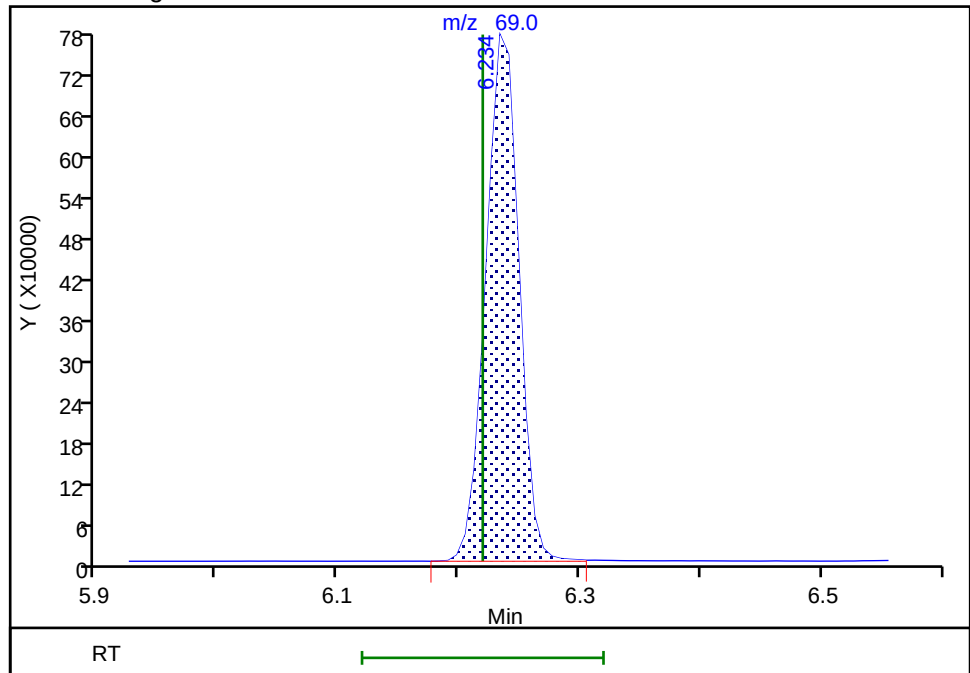
RT: 6.23

Area: 1479505

Amount: 546.5010

Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 04-Nov-2019 13:35:06

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1

SDG No.: _____

Lab Sample ID: CCVIS 460-656031/2 Calibration Date: 11/17/2019 04:26

Instrument ID: CVOAMS12 Calib Start Date: 11/04/2019 08:25

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 11/04/2019 11:24

Lab File ID: O44109.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2628	0.3140	0.1000	23.9	20.0	19.5	20.0
Chloromethane	Ave	0.2345	0.2920	0.1000	24.9	20.0	24.5*	20.0
Vinyl chloride	Ave	0.2576	0.3081	0.1000	23.9	20.0	19.6	20.0
Butadiene	Ave	0.2182	0.2545		23.3	20.0	16.7	20.0
Bromomethane	Ave	1.544	1.681	0.1000	21.8	20.0	8.9	50.0
Chloroethane	Ave	0.1630	0.1828	0.1000	22.4	20.0	12.2	50.0
Dichlorofluoromethane	Ave	0.3776	0.4299		22.8	20.0	13.8	20.0
Trichlorofluoromethane	Ave	0.3287	0.3640	0.1000	22.1	20.0	10.7	20.0
Pentane	Ave	0.0421	0.0425		40.4	40.0	1.1	20.0
Ethanol	Ave	0.0907	0.0827		730	800	-8.8	50.0
Ethyl ether	Ave	0.1664	0.1689		20.3	20.0	1.5	20.0
2-Methyl-1,3-butadiene	Ave	0.1623	0.1842		22.7	20.0	13.5	20.0
Acrolein	Ave	1.365	1.232		36.1	40.0	-9.7	50.0
1,1-Dichloroethene	Ave	0.2016	0.2108	0.1000	20.9	20.0	4.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2139	0.2165	0.1000	20.2	20.0	1.2	20.0
Acetone	Ave	0.2071	0.1680	0.0500	81.1	100	-18.9	50.0
Iodomethane	QuaF		0.0889		15.7	20.0	-21.5*	20.0
Isopropyl alcohol	Ave	0.8016	0.7045		176	200	-12.1	50.0
Carbon disulfide	Ave	0.6151	0.6554	0.1000	21.3	20.0	6.6	50.0
Acetonitrile	QuaF		0.5078		205	200	2.7	20.0
Allyl chloride	Ave	0.1522	0.1566		20.6	20.0	2.9	20.0
Methyl acetate	Ave	1.858	2.082	0.1000	44.8	40.0	12.0	20.0
Cyclopentene	Ave	0.5261	0.5826		22.1	20.0	10.7	20.0
Methylene Chloride	Ave	0.2526	0.2588	0.1000	20.5	20.0	2.5	20.0
2-Methyl-2-propanol	QuaF		0.9305		192	200	-4.2	50.0
Acrylonitrile	Ave	0.0481	0.0519		216	200	8.0	20.0
trans-1,2-Dichloroethene	Ave	0.2191	0.2537	0.1000	23.2	20.0	15.8	20.0
Methyl tert-butyl ether	Ave	0.5298	0.5716	0.1000	21.6	20.0	7.9	20.0
Hexane	Ave	0.2323	0.2896		24.9	20.0	24.7*	20.0
1,1-Dichloroethane	Ave	0.3842	0.4417	0.2000	23.0	20.0	15.0	20.0
Vinyl acetate	Ave	0.4156	0.5797		55.8	40.0	39.5*	20.0
2-Chloro-1,3-butadiene	Ave	0.2095	0.2467		23.6	20.0	17.8	20.0
Isopropyl ether	Ave	0.6372	0.7073		22.2	20.0	11.0	20.0
Tert-butyl ethyl ether	Ave	0.5733	0.6116		21.3	20.0	6.7	20.0
2,2-Dichloropropane	Ave	0.0606	0.0724		23.9	20.0	19.5	20.0
cis-1,2-Dichloroethene	Ave	0.2506	0.2786	0.1000	22.2	20.0	11.2	20.0
2-Butanone (MEK)	Ave	0.3044	0.2990	0.0500	98.2	100	-1.8	50.0
Propionitrile	Ave	0.3643	0.3691		203	200	1.3	20.0
Ethyl acetate	Ave	0.2615	0.2614		40.0	40.0	-0.0	20.0
Methyl acrylate	Ave	0.1574	0.1512		19.2	20.0	-3.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-656031/2 Calibration Date: 11/17/2019 04:26
 Instrument ID: CVOAMS12 Calib Start Date: 11/04/2019 08:25
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 11/04/2019 11:24
 Lab File ID: O44109.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
Chlorobromomethane	Ave	0.1193	0.1234		20.7	20.0	3.4	20.0
Methacrylonitrile	Ave	0.0712	0.0787		221	200	10.6	20.0
Tetrahydrofuran	Qua2		0.6982		41.1	40.0	2.8	20.0
Chloroform	Ave	0.3887	0.4209	0.2000	21.7	20.0	8.3	20.0
1,1,1-Trichloroethane	Ave	0.3148	0.3321	0.1000	21.1	20.0	5.5	20.0
Cyclohexane	Ave	0.3091	0.3775	0.1000	24.4	20.0	22.1	50.0
1,1-Dichloropropene	Ave	0.3091	0.3579		23.2	20.0	15.8	20.0
Carbon tetrachloride	Ave	0.2536	0.2594	0.1000	20.5	20.0	2.3	20.0
Isobutyl alcohol	Ave	0.3947	0.4093		518	500	3.7	50.0
Benzene	Ave	1.152	1.327	0.5000	23.0	20.0	15.2	20.0
1,2-Dichloroethane	Ave	0.2969	0.2866	0.1000	19.3	20.0	-3.5	20.0
2,2,4-Trimethylpentane	Ave	0.3956	0.5163		26.1	20.0	30.5*	20.0
Isopropyl acetate	Ave	0.0598	0.0607		20.3	20.0	1.4	20.0
Tert-amyl methyl ether	Ave	0.5423	0.5754		21.2	20.0	6.1	20.0
n-Heptane	Ave	0.1663	0.2062		24.8	20.0	24.0*	20.0
n-Butanol	Ave	0.2734	0.2920		534	500	6.8	50.0
Trichloroethene	Ave	0.2433	0.2583	0.2000	21.2	20.0	6.2	20.0
Ethyl acrylate	QuaF		0.1774		15.0	20.0	-25.1*	20.0
Methylcyclohexane	Ave	0.3084	0.3653	0.1000	23.7	20.0	18.4	50.0
1,2-Dichloropropane	Ave	0.2252	0.2632	0.1000	23.4	20.0	16.8	20.0
Dibromomethane	Ave	0.1310	0.1345		20.5	20.0	2.6	20.0
1,4-Dioxane	Ave	0.9910	1.021		412	400	3.0	50.0
Methyl methacrylate	Ave	0.0505	0.0515		40.8	40.0	2.0	20.0
n-Propyl acetate	Ave	0.2033	0.2036		20.0	20.0	0.2	20.0
Dichlorobromomethane	Ave	0.2827	0.2892	0.2000	20.5	20.0	2.3	20.0
2-Nitropropane	Ave	0.0252	0.0225		35.7	40.0	-10.8	20.0
2-Chloroethyl vinyl ether	QuaF		0.0590		30.6	20.0	52.8*	20.0
Epichlorohydrin	Ave	0.1844	0.2027		440	400	10.0	20.0
cis-1,3-Dichloropropene	Ave	0.4002	0.4710	0.2000	23.5	20.0	17.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.978	2.027	0.0500	102	100	2.5	50.0
Toluene	Ave	1.284	1.480	0.4000	23.1	20.0	15.3	20.0
trans-1,3-Dichloropropene	Ave	0.3352	0.3671	0.1000	21.9	20.0	9.5	50.0
Ethyl methacrylate	Ave	0.2656	0.2900		21.8	20.0	9.2	20.0
1,1,2-Trichloroethane	Ave	0.2034	0.2173	0.1000	21.4	20.0	6.8	20.0
Tetrachloroethene	Ave	0.3271	0.3160	0.2000	19.3	20.0	-3.4	20.0
1,3-Dichloropropane	Ave	0.4167	0.4617		22.2	20.0	10.8	20.0
2-Hexanone	Ave	1.405	1.427	0.0500	102	100	1.6	50.0
Chlorodibromomethane	Ave	0.2486	0.2303	0.1000	18.5	20.0	-7.4	50.0
n-Butyl acetate	Ave	0.2813	0.2886		20.5	20.0	2.6	20.0
Ethylene Dibromide	Ave	0.2461	0.2516	0.1000	20.4	20.0	2.2	20.0
Chlorobenzene	Ave	0.8524	0.8966	0.5000	21.0	20.0	5.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-656031/2 Calibration Date: 11/17/2019 04:26
 Instrument ID: CVOAMS12 Calib Start Date: 11/04/2019 08:25
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 11/04/2019 11:24
 Lab File ID: O44109.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
1,1,1,2-Tetrachloroethane	Ave	0.2568	0.2461		19.2	20.0	-4.1	20.0
Ethylbenzene	Ave	0.4441	0.4823	0.1000	21.7	20.0	8.6	20.0
m-Xylene & p-Xylene	Ave	0.5514	0.6167	0.1000	22.4	20.0	11.9	20.0
o-Xylene	Ave	0.5348	0.5873	0.3000	22.0	20.0	9.8	20.0
Styrene	Ave	0.8528	0.9375	0.3000	22.0	20.0	9.9	20.0
n-Butyl acrylate	Lin2		0.1735		20.5	20.0	2.5	20.0
Bromoform	Ave	0.1546	0.1228	0.1000	15.9	20.0	-20.5*	20.0
Amyl acetate (mixed isomers)	Lin2		0.6876		21.6	20.0	8.1	20.0
Isopropylbenzene	Ave	1.267	1.376	0.1000	21.7	20.0	8.6	20.0
Bromobenzene	Ave	0.6685	0.6651		19.9	20.0	-0.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5185	0.5829	0.3000	22.5	20.0	12.4	20.0
1,2,3-Trichloropropane	Ave	0.1660	0.1605		19.3	20.0	-3.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1086	0.1121		20.6	20.0	3.2	20.0
N-Propylbenzene	Ave	2.534	2.929		23.1	20.0	15.6	20.0
2-Chlorotoluene	Ave	1.709	1.934		22.6	20.0	13.1	20.0
4-Ethyltoluene	Ave	2.176	2.520		23.2	20.0	15.8	20.0
4-Chlorotoluene	Ave	1.709	1.863		21.8	20.0	9.0	20.0
1,3,5-Trimethylbenzene	Ave	1.806	2.069		22.9	20.0	14.5	20.0
Butyl Methacrylate	QuaF		0.6103		18.7	20.0	-6.4	20.0
tert-Butylbenzene	Ave	1.539	1.696		22.0	20.0	10.2	20.0
1,2,4-Trimethylbenzene	Ave	1.791	2.047		22.9	20.0	14.3	20.0
sec-Butylbenzene	Ave	2.006	2.326		23.2	20.0	15.9	20.0
1,3-Dichlorobenzene	Ave	1.208	1.265	0.6000	20.9	20.0	4.7	20.0
1,4-Dichlorobenzene	Ave	1.238	1.280	0.5000	20.7	20.0	3.4	20.0
4-Isopropyltoluene	Ave	1.686	1.956		23.2	20.0	16.0	20.0
1,2,3-Trimethylbenzene	Ave	1.831	2.082		22.8	20.0	13.8	20.0
Benzyl chloride	QuaF		0.1301		15.6	20.0	-21.8	50.0
Indan	Ave	2.056	2.297		22.3	20.0	11.7	20.0
1,2-Dichlorobenzene	Ave	1.171	1.264	0.4000	21.6	20.0	7.9	20.0
p-Diethylbenzene	Ave	0.8740	0.9726		22.3	20.0	11.3	20.0
n-Butylbenzene	Ave	0.7147	0.8616		24.1	20.0	20.6*	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0913	0.0968	0.0500	21.2	20.0	6.0	50.0
1,2,4,5-Tetramethylbenzene	Ave	1.598	1.937		24.2	20.0	21.2*	20.0
1,3,5-Trichlorobenzene	Ave	0.6925	0.6720		19.4	20.0	-3.0	20.0
1,2,4-Trichlorobenzene	Ave	0.6222	0.6109	0.2000	19.6	20.0	-1.8	20.0
Hexachlorobutadiene	Ave	0.2212	0.2265		20.5	20.0	2.4	20.0
Naphthalene	Ave	1.424	1.684		23.6	20.0	18.2	50.0
1,2,3-Trichlorobenzene	Ave	0.5490	0.5338		19.4	20.0	-2.8	20.0
Dibromofluoromethane (Surr)	Ave	0.1830	0.1927		52.6	50.0	5.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1945	0.2066		53.1	50.0	6.2	20.0
Toluene-d8 (Surr)	Ave	0.9766	1.043		53.4	50.0	6.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
SDG No.: _____
Lab Sample ID: CCVIS 460-656031/2 Calibration Date: 11/17/2019 04:26
Instrument ID: CVOAMS12 Calib Start Date: 11/04/2019 08:25
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 11/04/2019 11:24
Lab File ID: O44109.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
4-Bromofluorobenzene	Ave	0.3255	0.2893		44.4	50.0	-11.1	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44109.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 17-Nov-2019 04:26:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 460-0101333-002
 Operator ID: Instrument ID: CVOAMS12
 Sublist: chrom-8260W_12*sub25
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 18-Nov-2019 09:16:52 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0316

First Level Reviewer: yallabg

Date: 17-Nov-2019 20:03:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	99	99163	20.0	23.9	
6 Chloromethane	50	0.985	0.985	0.000	98	92203	20.0	24.9	
7 Vinyl chloride	62	1.028	1.028	0.000	98	97280	20.0	23.9	
8 Butadiene	54	1.043	1.043	0.000	95	80366	20.0	23.3	
9 Bromomethane	94	1.207	1.207	0.000	98	36423	20.0	21.8	
10 Chloroethane	64	1.257	1.257	0.000	98	57735	20.0	22.4	
11 Dichlorofluoromethane	67	1.364	1.364	0.000	98	135750	20.0	22.8	
12 Trichlorofluoromethane	101	1.393	1.393	0.000	98	114953	20.0	22.1	
13 Pentane	72	1.443	1.443	0.000	97	26855	40.0	40.4	
14 Ethanol	46	1.522	1.522	0.000	96	12122	800.0	729.6	
15 Ethyl ether	59	1.557	1.557	0.000	94	53320	20.0	20.3	
17 2-Methyl-1,3-butadiene	53	1.572	1.572	0.000	93	58179	20.0	22.7	
19 Acrolein	56	1.629	1.629	0.000	76	9035	40.0	36.1	
20 1,1-Dichloroethene	96	1.686	1.686	0.000	96	66554	20.0	20.9	
21 1,1,2-Trichloro-1,2,2-trif	101	1.693	1.693	0.000	97	68364	20.0	20.2	
22 Acetone	58	1.715	1.715	0.000	91	18200	100.0	81.1	
23 Iodomethane	127	1.779	1.779	0.000	96	28080	20.0	15.7	
24 Isopropyl alcohol	45	1.808	1.808	0.000	26	25823	200.0	175.8	
25 Carbon disulfide	76	1.815	1.815	0.000	98	206980	20.0	21.3	
27 Acetonitrile	38	1.908	1.908	0.000	81	18612	200.0	205.3	
26 3-Chloro-1-propene	76	1.908	1.908	0.000	96	49459	20.0	20.6	
28 Methyl acetate	74	1.922	1.922	0.000	98	15262	40.0	44.8	
29 Cyclopentene	67	1.958	1.958	0.000	96	183977	20.0	22.1	
30 Methylene Chloride	84	1.986	1.986	0.000	92	81716	20.0	20.5	
* 31 TBA-d9 (IS)	65	2.008	2.008	0.000	99	183277	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.065	2.065	0.000	100	34107	200.0	191.6	
33 Acrylonitrile	53	2.137	2.137	0.000	95	163983	200.0	216.1	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	93	80106	20.0	23.2	
35 Methyl tert-butyl ether	73	2.172	2.172	0.000	97	180502	20.0	21.6	
36 Hexane	57	2.365	2.365	0.000	91	91466	20.0	24.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 1,1-Dichloroethane	63	2.451	2.451	0.000	99	139490	20.0	23.0	
38 Vinyl acetate	86	2.501	2.501	0.000	99	25123	40.0	55.8	
39 Isopropyl ether	45	2.523	2.523	0.000	89	223364	20.0	22.2	
40 2-Chloro-1,3-butadiene	88	2.523	2.523	0.000	74	77895	20.0	23.6	
41 Tert-butyl ethyl ether	59	2.794	2.794	0.000	91	193135	20.0	21.3	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	100	270856	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	95	87977	20.0	22.2	
43 2,2-Dichloropropane	97	2.887	2.887	0.000	70	22876	20.0	23.9	
45 2-Butanone (MEK)	72	2.909	2.909	0.000	99	32396	100.0	98.2	
46 Propionitrile	52	2.944	2.944	0.000	95	13529	200.0	202.6	
47 Ethyl acetate	70	2.966	2.966	0.000	99	11326	40.0	40.0	
48 Methyl acrylate	55	2.995	2.995	0.000	100	47749	20.0	19.2	
49 Methacrylonitrile	67	3.073	3.073	0.000	89	248666	200.0	221.2	
50 Chlorobromomethane	128	3.073	3.073	0.000	78	38956	20.0	20.7	
51 Tetrahydrofuran	42	3.123	3.123	0.000	80	30258	40.0	41.1	
52 Chloroform	83	3.152	3.152	0.000	99	132901	20.0	21.7	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	152095	50.0	52.6	
54 1,1,1-Trichloroethane	97	3.302	3.302	0.000	98	104858	20.0	21.1	
55 Cyclohexane	84	3.352	3.352	0.000	88	119194	20.0	24.4	
56 Carbon tetrachloride	117	3.452	3.452	0.000	96	81903	20.0	20.5	
57 1,1-Dichloropropene	75	3.452	3.452	0.000	99	113018	20.0	23.2	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.574	3.574	0.000	0	163096	50.0	53.1	
59 Isobutyl alcohol	43	3.595	3.595	0.000	93	37503	500.0	518.4	
60 Benzene	78	3.631	3.631	0.000	94	332665	20.0	23.0	
61 1,2-Dichloroethane	62	3.645	3.645	0.000	97	90491	20.0	19.3	
62 Isooctane	57	3.738	3.738	0.000	95	163043	20.0	26.1	
63 Isopropyl acetate	61	3.745	3.745	0.000	97	19157	20.0	20.3	
64 Tert-amyl methyl ether	73	3.767	3.767	0.000	99	181703	20.0	21.2	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	789467	50.0	50.0	
66 n-Heptane	43	3.924	3.924	0.000	91	65117	20.0	24.8	
67 n-Butanol	56	4.260	4.260	0.000	88	26761	500.0	534.1	
68 Trichloroethene	95	4.267	4.267	0.000	98	81572	20.0	21.2	
69 Ethyl acrylate	55	4.425	4.425	0.000	98	56027	20.0	15.0	
70 Methylcyclohexane	83	4.467	4.467	0.000	94	115369	20.0	23.7	
71 1,2-Dichloropropane	63	4.496	4.496	0.000	94	83098	20.0	23.4	
73 Dibromomethane	93	4.610	4.610	0.000	97	42458	20.0	20.5	
* 72 1,4-Dioxane-d8	96	4.610	4.610	0.000	0	40121	1000.0	1000.0	
74 1,4-Dioxane	88	4.661	4.661	0.000	31	16384	400.0	412.1	
75 Methyl methacrylate	100	4.675	4.675	0.000	85	32543	40.0	40.8	
76 n-Propyl acetate	43	4.753	4.753	0.000	97	64308	20.0	20.0	
77 Dichlorobromomethane	83	4.804	4.804	0.000	99	91336	20.0	20.5	
78 2-Nitropropane	41	5.068	5.068	0.000	98	14198	40.0	35.7	
79 2-Chloroethyl vinyl ether	63	5.190	5.190	0.000	95	18676	20.0	30.6	
80 Epichlorohydrin	57	5.233	5.233	0.000	99	87850	400.0	439.8	
81 cis-1,3-Dichloropropene	75	5.333	5.333	0.000	90	118043	20.0	23.5	
82 4-Methyl-2-pentanone (MIBK	43	5.547	5.547	0.000	94	219625	100.0	102.5	
\$ 83 Toluene-d8 (Surr)	98	5.647	5.647	0.000	100	653511	50.0	53.4	
84 Toluene	91	5.733	5.733	0.000	93	370984	20.0	23.1	
85 trans-1,3-Dichloropropene	75	6.033	6.033	0.000	94	92018	20.0	21.9	
86 Ethyl methacrylate	69	6.219	6.219	0.000	88	72691	20.0	21.8	
87 1,1,2-Trichloroethane	83	6.262	6.262	0.000	95	54451	20.0	21.4	
88 Tetrachloroethene	166	6.427	6.427	0.000	96	79199	20.0	19.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
89 1,3-Dichloropropane	76	6.470	6.470	0.000	90	115709	20.0	22.2	
90 2-Hexanone	43	6.655	6.655	0.000	94	154615	100.0	101.6	
91 Chlorodibromomethane	129	6.763	6.763	0.000	97	57720	20.0	18.5	
92 n-Butyl acetate	43	6.884	6.884	0.000	98	72339	20.0	20.5	
93 Ethylene Dibromide	107	6.891	6.891	0.000	97	63055	20.0	20.4	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	85	626606	50.0	50.0	
95 Chlorobenzene	112	7.614	7.614	0.000	96	224733	20.0	21.0	
96 1,1,1,2-Tetrachloroethane	131	7.757	7.757	0.000	96	61694	20.0	19.2	
97 Ethylbenzene	106	7.821	7.821	0.000	98	120874	20.0	21.7	
98 m-Xylene & p-Xylene	106	8.007	8.007	0.000	100	154571	20.0	22.4	
99 o-Xylene	106	8.600	8.600	0.000	94	147199	20.0	22.0	
100 Styrene	104	8.629	8.629	0.000	96	234977	20.0	22.0	
101 n-Butyl acrylate	73	8.693	8.693	0.000	99	43488	20.0	20.5	
102 Bromoform	173	8.851	8.851	0.000	95	30790	20.0	15.9	
103 Amyl acetate (mixed isomer)	43	9.087	9.087	0.000	93	92780	20.0	21.6	
104 Isopropylbenzene	105	9.208	9.208	0.000	95	344894	20.0	21.7	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	87	181243	50.0	44.4	
106 Bromobenzene	156	9.594	9.594	0.000	99	89740	20.0	19.9	
107 1,1,2,2-Tetrachloroethane	83	9.716	9.716	0.000	98	78644	20.0	22.5	
108 1,2,3-Trichloropropane	110	9.737	9.737	0.000	98	21655	20.0	19.3	
109 trans-1,4-Dichloro-2-buten	53	9.823	9.823	0.000	83	15127	20.0	20.6	
110 N-Propylbenzene	91	9.880	9.880	0.000	99	395255	20.0	23.1	
111 2-Chlorotoluene	91	9.952	9.952	0.000	97	260908	20.0	22.6	
112 4-Ethyltoluene	105	10.080	10.080	0.000	99	340059	20.0	23.2	
113 4-Chlorotoluene	91	10.138	10.138	0.000	96	251435	20.0	21.8	
114 1,3,5-Trimethylbenzene	105	10.195	10.195	0.000	93	279154	20.0	22.9	
115 Butyl Methacrylate	87	10.481	10.481	0.000	87	82345	20.0	18.7	
116 tert-Butylbenzene	119	10.710	10.710	0.000	94	228871	20.0	22.0	
117 1,2,4-Trimethylbenzene	105	10.795	10.795	0.000	97	276216	20.0	22.9	
118 sec-Butylbenzene	105	11.081	11.081	0.000	99	313847	20.0	23.2	
119 1,3-Dichlorobenzene	146	11.182	11.182	0.000	96	170630	20.0	20.9	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	95	337319	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.325	11.325	0.000	96	172727	20.0	20.7	
122 4-Isopropyltoluene	119	11.346	11.346	0.000	98	263851	20.0	23.2	
123 1,2,3-Trimethylbenzene	105	11.446	11.446	0.000	98	280979	20.0	22.8	
124 Benzyl chloride	126	11.546	11.546	0.000	99	17553	20.0	15.6	
125 2,3-Dihydroindene	117	11.682	11.682	0.000	94	309883	20.0	22.3	
126 1,2-Dichlorobenzene	146	11.818	11.818	0.000	96	170488	20.0	21.6	
127 p-Diethylbenzene	119	11.875	11.875	0.000	93	131234	20.0	22.3	
128 n-Butylbenzene	92	11.897	11.897	0.000	98	116256	20.0	24.1	
129 1,2-Dibromo-3-Chloropropan	75	12.719	12.719	0.000	93	13065	20.0	21.2	
130 1,2,4,5-Tetramethylbenzene	119	12.747	12.747	0.000	97	261334	20.0	24.2	
131 1,3,5-Trichlorobenzene	180	12.941	12.941	0.000	98	90676	20.0	19.4	
132 1,2,4-Trichlorobenzene	180	13.513	13.513	0.000	94	82433	20.0	19.6	
133 Hexachlorobutadiene	225	13.691	13.691	0.000	94	30554	20.0	20.5	
134 Naphthalene	128	13.706	13.706	0.000	99	227198	20.0	23.6	
135 1,2,3-Trichlorobenzene	180	13.913	13.913	0.000	95	72026	20.0	19.4	
S 137 1,2-Dichloroethene, Total	100				0		40.0	45.4	
S 138 Xylenes, Total	100				0		40.0	44.3	
S 139 Total BTEX	1				0		100.0	112.2	

Reagents:

8260MIX1COMB_00107	Amount Added: 20.00	Units: uL	
ACROLEIN W_00098	Amount Added: 4.00	Units: uL	
GASES Li_00341	Amount Added: 20.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44109.D

Injection Date: 17-Nov-2019 04:26:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL

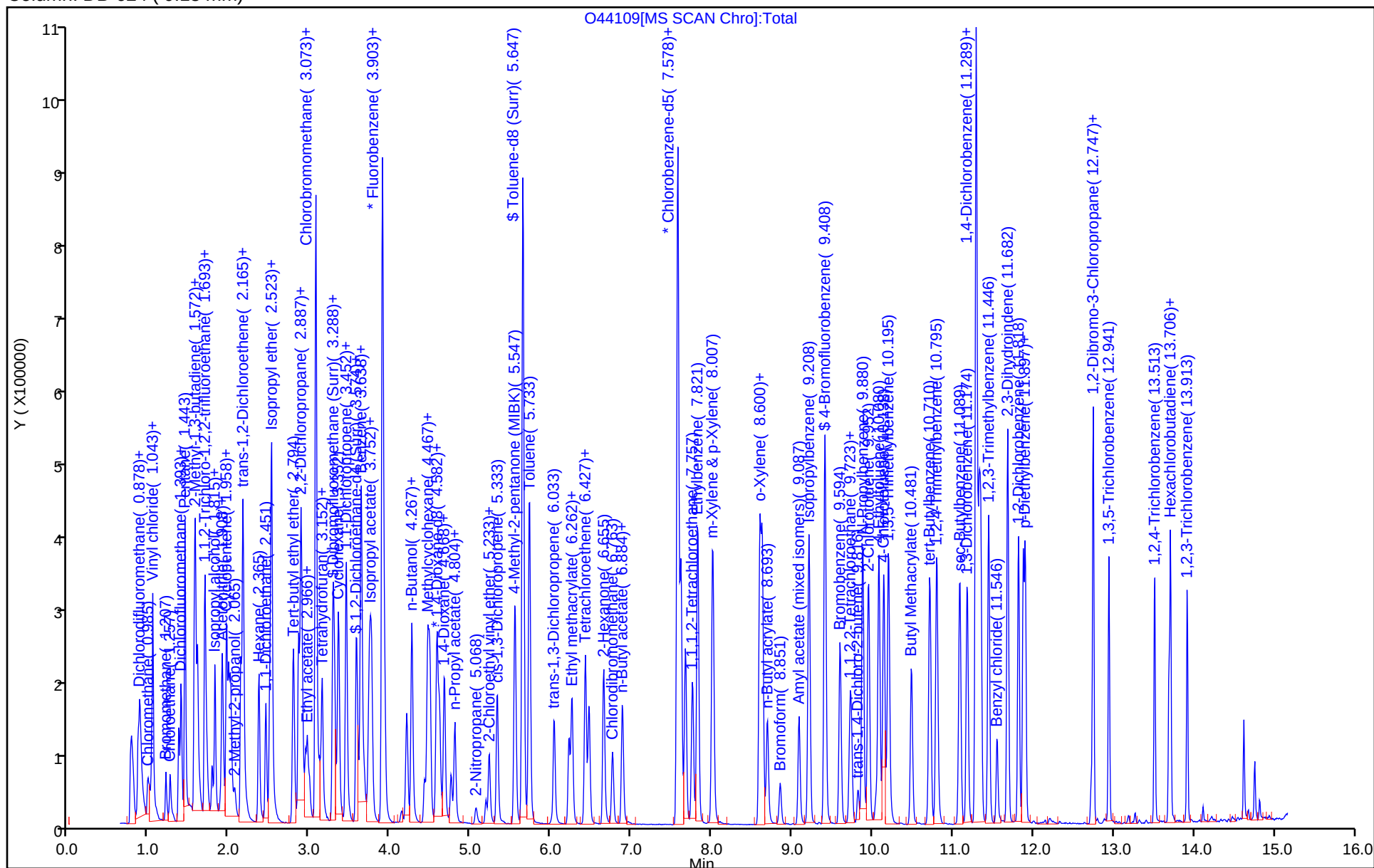
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-656120/3 Calibration Date: 11/17/2019 18:46
 Instrument ID: CVOAMS12 Calib Start Date: 11/04/2019 08:25
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 11/04/2019 11:24
 Lab File ID: O44140.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2628	0.2180	0.1000	16.6	20.0	-17.0	20.0
Chloromethane	Ave	0.2345	0.2765	0.1000	23.6	20.0	17.9	20.0
Vinyl chloride	Ave	0.2576	0.2899	0.1000	22.5	20.0	12.6	20.0
Butadiene	Ave	0.2182	0.2452		22.5	20.0	12.4	20.0
Bromomethane	Ave	1.544	1.935	0.1000	25.1	20.0	25.3	50.0
Chloroethane	Ave	0.1630	0.1729	0.1000	21.2	20.0	6.1	50.0
Dichlorofluoromethane	Ave	0.3776	0.4341		23.0	20.0	15.0	20.0
Trichlorofluoromethane	Ave	0.3287	0.3477	0.1000	21.2	20.0	5.8	20.0
Pentane	Ave	0.0421	0.0402		38.2	40.0	-4.5	20.0
Ethanol	Ave	0.0907	0.0803		709	800	-11.4	50.0
Ethyl ether	Ave	0.1664	0.1711		20.6	20.0	2.8	20.0
2-Methyl-1,3-butadiene	Ave	0.1623	0.1834		22.6	20.0	13.0	20.0
Acrolein	Ave	1.365	1.321		38.7	40.0	-3.3	50.0
1,1-Dichloroethene	Ave	0.2016	0.2099	0.1000	20.8	20.0	4.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2139	0.2219	0.1000	20.7	20.0	3.7	20.0
Acetone	Ave	0.2071	0.1822	0.0500	88.0	100	-12.0	50.0
Iodomethane	QuaF		0.0857		15.1	20.0	-24.4*	20.0
Isopropyl alcohol	Ave	0.8016	0.6659		166	200	-16.9	50.0
Carbon disulfide	Ave	0.6151	0.6685	0.1000	21.7	20.0	8.7	50.0
Allyl chloride	Ave	0.1522	0.1559		20.5	20.0	2.4	20.0
Acetonitrile	QuaF		0.4527		183	200	-8.6	20.0
Methyl acetate	Ave	1.858	2.039	0.1000	43.9	40.0	9.7	20.0
Cyclopentene	Ave	0.5261	0.5699		21.7	20.0	8.3	20.0
Methylene Chloride	Ave	0.2526	0.2630	0.1000	20.8	20.0	4.1	20.0
2-Methyl-2-propanol	QuaF		0.9687		200	200	-0.2	50.0
Acrylonitrile	Ave	0.0481	0.0511		213	200	6.4	20.0
trans-1,2-Dichloroethene	Ave	0.2191	0.2586	0.1000	23.6	20.0	18.0	20.0
Methyl tert-butyl ether	Ave	0.5298	0.5920	0.1000	22.3	20.0	11.7	20.0
Hexane	Ave	0.2323	0.2892		24.9	20.0	24.5*	20.0
1,1-Dichloroethane	Ave	0.3842	0.4368	0.2000	22.7	20.0	13.7	20.0
Vinyl acetate	Ave	0.4156	0.6062		58.3	40.0	45.9*	20.0
Isopropyl ether	Ave	0.6372	0.7064		22.2	20.0	10.9	20.0
2-Chloro-1,3-butadiene	Ave	0.2095	0.2524		24.1	20.0	20.5*	20.0
Tert-butyl ethyl ether	Ave	0.5733	0.6364		22.2	20.0	11.0	20.0
2,2-Dichloropropane	Ave	0.0606	0.0788		26.0	20.0	29.9*	20.0
cis-1,2-Dichloroethene	Ave	0.2506	0.2805	0.1000	22.4	20.0	11.9	20.0
2-Butanone (MEK)	Ave	0.3044	0.3074	0.0500	101	100	1.0	50.0
Propionitrile	Ave	0.3643	0.3748		206	200	2.9	20.0
Ethyl acetate	Ave	0.2615	0.2665		40.8	40.0	1.9	20.0
Methyl acrylate	Ave	0.1574	0.1612		20.5	20.0	2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-656120/3 Calibration Date: 11/17/2019 18:46
 Instrument ID: CVOAMS12 Calib Start Date: 11/04/2019 08:25
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 11/04/2019 11:24
 Lab File ID: O44140.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
Chlorobromomethane	Ave	0.1193	0.1243		20.8	20.0	4.1	20.0
Methacrylonitrile	Ave	0.0712	0.0805		226	200	13.0	20.0
Tetrahydrofuran	Qua2		0.7054		41.5	40.0	3.9	20.0
Chloroform	Ave	0.3887	0.4231	0.2000	21.8	20.0	8.9	20.0
1,1,1-Trichloroethane	Ave	0.3148	0.3416	0.1000	21.7	20.0	8.5	20.0
Cyclohexane	Ave	0.3091	0.3834	0.1000	24.8	20.0	24.1	50.0
1,1-Dichloropropene	Ave	0.3091	0.3610		23.4	20.0	16.8	20.0
Carbon tetrachloride	Ave	0.2536	0.2632	0.1000	20.8	20.0	3.8	20.0
Isobutyl alcohol	Ave	0.3947	0.4177		529	500	5.8	50.0
Benzene	Ave	1.152	1.342	0.5000	23.3	20.0	16.5	20.0
1,2-Dichloroethane	Ave	0.2969	0.2846	0.1000	19.2	20.0	-4.1	20.0
2,2,4-Trimethylpentane	Ave	0.3956	0.5014		25.3	20.0	26.7*	20.0
Isopropyl acetate	Ave	0.0598	0.0625		20.9	20.0	4.4	20.0
Tert-amyl methyl ether	Ave	0.5423	0.5883		21.7	20.0	8.5	20.0
n-Heptane	Ave	0.1663	0.1964		23.6	20.0	18.1	20.0
n-Butanol	Ave	0.2734	0.3224		590	500	17.9	50.0
Trichloroethene	Ave	0.2433	0.2653	0.2000	21.8	20.0	9.0	20.0
Ethyl acrylate	QuaF		0.1856		15.7	20.0	-21.7*	20.0
Methylcyclohexane	Ave	0.3084	0.3667	0.1000	23.8	20.0	18.9	50.0
1,2-Dichloropropane	Ave	0.2252	0.2696	0.1000	23.9	20.0	19.7	20.0
Dibromomethane	Ave	0.1310	0.1415		21.6	20.0	8.0	20.0
1,4-Dioxane	Ave	0.9910	1.050		424	400	6.0	50.0
Methyl methacrylate	Ave	0.0505	0.0540		42.8	40.0	7.0	20.0
n-Propyl acetate	Ave	0.2033	0.2095		20.6	20.0	3.0	20.0
Dichlorobromomethane	Ave	0.2827	0.3023	0.2000	21.4	20.0	6.9	20.0
2-Nitropropane	Ave	0.0252	0.0240		38.1	40.0	-4.7	20.0
2-Chloroethyl vinyl ether	QuaF		0.0556		28.8	20.0	43.9*	20.0
Epichlorohydrin	Ave	0.1844	0.2062		447	400	11.9	20.0
cis-1,3-Dichloropropene	Ave	0.4002	0.4937	0.2000	24.7	20.0	23.4	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.978	2.055	0.0500	104	100	3.9	50.0
Toluene	Ave	1.284	1.417	0.4000	22.1	20.0	10.3	20.0
trans-1,3-Dichloropropene	Ave	0.3352	0.3911	0.1000	23.3	20.0	16.7	50.0
Ethyl methacrylate	Ave	0.2656	0.3103		23.4	20.0	16.8	20.0
1,1,2-Trichloroethane	Ave	0.2034	0.2209	0.1000	21.7	20.0	8.6	20.0
Tetrachloroethene	Ave	0.3271	0.3234	0.2000	19.8	20.0	-1.1	20.0
1,3-Dichloropropane	Ave	0.4167	0.4571		21.9	20.0	9.7	20.0
2-Hexanone	Ave	1.405	1.446	0.0500	103	100	2.9	50.0
Chlorodibromomethane	Ave	0.2486	0.2584	0.1000	20.8	20.0	3.9	50.0
Ethylene Dibromide	Ave	0.2461	0.2554	0.1000	20.8	20.0	3.8	20.0
n-Butyl acetate	Ave	0.2813	0.2980		21.2	20.0	5.9	20.0
Chlorobenzene	Ave	0.8524	0.9246	0.5000	21.7	20.0	8.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-656120/3 Calibration Date: 11/17/2019 18:46
 Instrument ID: CVOAMS12 Calib Start Date: 11/04/2019 08:25
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 11/04/2019 11:24
 Lab File ID: O44140.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
1,1,1,2-Tetrachloroethane	Ave	0.2568	0.2640		20.6	20.0	2.8	20.0
Ethylbenzene	Ave	0.4441	0.5029	0.1000	22.7	20.0	13.3	20.0
m-Xylene & p-Xylene	Ave	0.5514	0.6064	0.1000	22.0	20.0	10.0	20.0
o-Xylene	Ave	0.5348	0.5998	0.3000	22.4	20.0	12.2	20.0
Styrene	Ave	0.8528	0.9739	0.3000	22.8	20.0	14.2	20.0
n-Butyl acrylate	Lin2		0.1906		22.5	20.0	12.5	20.0
Bromoform	Ave	0.1546	0.1321	0.1000	17.1	20.0	-14.6	20.0
Amyl acetate (mixed isomers)	Lin2		0.7340		23.1	20.0	15.3	20.0
Isopropylbenzene	Ave	1.267	1.420	0.1000	22.4	20.0	12.1	20.0
Bromobenzene	Ave	0.6685	0.6761		20.2	20.0	1.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5185	0.5969	0.3000	23.0	20.0	15.1	20.0
1,2,3-Trichloropropane	Ave	0.1660	0.1694		20.4	20.0	2.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1086	0.1050		19.3	20.0	-3.3	20.0
N-Propylbenzene	Ave	2.534	2.958		23.3	20.0	16.7	20.0
2-Chlorotoluene	Ave	1.709	1.988		23.3	20.0	16.3	20.0
4-Ethyltoluene	Ave	2.176	2.547		23.4	20.0	17.0	20.0
4-Chlorotoluene	Ave	1.709	1.908		22.3	20.0	11.6	20.0
1,3,5-Trimethylbenzene	Ave	1.806	2.105		23.3	20.0	16.5	20.0
Butyl Methacrylate	QuaF		0.6775		20.8	20.0	4.0	20.0
tert-Butylbenzene	Ave	1.539	1.718		22.3	20.0	11.6	20.0
1,2,4-Trimethylbenzene	Ave	1.791	2.051		22.9	20.0	14.5	20.0
sec-Butylbenzene	Ave	2.006	2.369		23.6	20.0	18.1	20.0
1,3-Dichlorobenzene	Ave	1.208	1.289	0.6000	21.3	20.0	6.7	20.0
1,4-Dichlorobenzene	Ave	1.238	1.295	0.5000	20.9	20.0	4.6	20.0
4-Isopropyltoluene	Ave	1.686	1.966		23.3	20.0	16.6	20.0
1,2,3-Trimethylbenzene	Ave	1.831	2.091		22.8	20.0	14.2	20.0
Benzyl chloride	QuaF		0.1463		17.6	20.0	-12.1	50.0
Indan	Ave	2.056	2.344		22.8	20.0	14.0	20.0
1,2-Dichlorobenzene	Ave	1.171	1.269	0.4000	21.7	20.0	8.4	20.0
p-Diethylbenzene	Ave	0.8740	0.998		22.8	20.0	14.2	20.0
n-Butylbenzene	Ave	0.7147	0.8672		24.3	20.0	21.3*	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0913	0.0995	0.0500	21.8	20.0	9.0	50.0
1,2,4,5-Tetramethylbenzene	Ave	1.598	1.999		25.0	20.0	25.1*	20.0
1,3,5-Trichlorobenzene	Ave	0.6925	0.6961		20.1	20.0	0.5	20.0
1,2,4-Trichlorobenzene	Ave	0.6222	0.6414	0.2000	20.6	20.0	3.1	20.0
Hexachlorobutadiene	Ave	0.2212	0.2155		19.5	20.0	-2.5	20.0
Naphthalene	Ave	1.424	1.621		22.8	20.0	13.8	50.0
1,2,3-Trichlorobenzene	Ave	0.5490	0.5563		20.3	20.0	1.3	20.0
Dibromofluoromethane (Surr)	Ave	0.1830	0.1839		50.2	50.0	0.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1945	0.1929		49.6	50.0	-0.8	20.0
Toluene-d8 (Surr)	Ave	0.9766	0.9846		50.4	50.0	0.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
SDG No.: _____
Lab Sample ID: CCVIS 460-656120/3 Calibration Date: 11/17/2019 18:46
Instrument ID: CVOAMS12 Calib Start Date: 11/04/2019 08:25
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 11/04/2019 11:24
Lab File ID: O44140.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
4-Bromofluorobenzene	Ave	0.3255	0.2769		42.5	50.0	-14.9	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44140.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 17-Nov-2019 18:46:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 460-0101360-003
 Operator ID: Instrument ID: CVOAMS12
 Sublist: chrom-8260W_12*sub25
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 19-Nov-2019 19:32:07 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0307

First Level Reviewer: asfawa

Date: 19-Nov-2019 05:56:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	99	72220	20.0	16.6	
6 Chloromethane	50	0.985	0.985	0.000	98	91588	20.0	23.6	
7 Vinyl chloride	62	1.035	1.035	0.000	97	96033	20.0	22.5	
8 Butadiene	54	1.050	1.050	0.000	94	81205	20.0	22.5	
9 Bromomethane	94	1.207	1.207	0.000	97	44566	20.0	25.1	
10 Chloroethane	64	1.264	1.264	0.000	98	57281	20.0	21.2	
11 Dichlorofluoromethane	67	1.372	1.372	0.000	99	143794	20.0	23.0	
12 Trichlorofluoromethane	101	1.400	1.400	0.000	98	115150	20.0	21.2	
13 Pentane	72	1.450	1.450	0.000	97	26604	40.0	38.2	
14 Ethanol	46	1.529	1.529	0.000	92	13173	800.0	709.0	
15 Ethyl ether	59	1.565	1.565	0.000	95	56659	20.0	20.6	
17 2-Methyl-1,3-butadiene	53	1.579	1.579	0.000	94	60757	20.0	22.6	
19 Acrolein	56	1.636	1.636	0.000	78	10827	40.0	38.7	M
20 1,1-Dichloroethene	96	1.693	1.693	0.000	96	69513	20.0	20.8	
21 1,1,2-Trichloro-1,2,2-trif	101	1.700	1.700	0.000	97	73502	20.0	20.7	
22 Acetone	58	1.722	1.722	0.000	88	20975	100.0	88.0	
23 Iodomethane	127	1.786	1.786	0.000	97	28368	20.0	15.1	
24 Isopropyl alcohol	45	1.815	1.815	0.000	98	27294	200.0	166.1	
25 Carbon disulfide	76	1.822	1.822	0.000	98	221438	20.0	21.7	
26 3-Chloro-1-propene	76	1.908	1.908	0.000	95	51624	20.0	20.5	
27 Acetonitrile	38	1.915	1.915	0.000	80	18556	200.0	182.7	
28 Methyl acetate	74	1.929	1.929	0.000	98	16712	40.0	43.9	
29 Cyclopentene	67	1.965	1.965	0.000	95	188774	20.0	21.7	
30 Methylene Chloride	84	1.994	1.994	0.000	87	87114	20.0	20.8	
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	100	204949	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.072	2.072	0.000	99	39708	200.0	199.6	
33 Acrylonitrile	53	2.144	2.144	0.000	95	169394	200.0	212.8	
34 trans-1,2-Dichloroethene	96	2.172	2.172	0.000	94	85664	20.0	23.6	
35 Methyl tert-butyl ether	73	2.180	2.180	0.000	97	196095	20.0	22.3	
36 Hexane	57	2.373	2.373	0.000	90	95782	20.0	24.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 1,1-Dichloroethane	63	2.458	2.458	0.000	99	144690	20.0	22.7	
38 Vinyl acetate	86	2.501	2.501	0.000	100	27916	40.0	58.3	
39 Isopropyl ether	45	2.523	2.523	0.000	86	233992	20.0	22.2	
40 2-Chloro-1,3-butadiene	88	2.530	2.530	0.000	76	83593	20.0	24.1	
41 Tert-butyl ethyl ether	59	2.802	2.802	0.000	91	210778	20.0	22.2	
* 42 2-Butanone-d5	46	2.866	2.866	0.000	100	287843	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.895	2.895	0.000	96	92898	20.0	22.4	
43 2,2-Dichloropropane	97	2.895	2.895	0.000	72	26084	20.0	26.0	
45 2-Butanone (MEK)	72	2.909	2.909	0.000	98	35395	100.0	101.0	
46 Propionitrile	52	2.952	2.952	0.000	98	15362	200.0	205.8	
47 Ethyl acetate	70	2.973	2.973	0.000	100	12275	40.0	40.8	
48 Methyl acrylate	55	2.995	2.995	0.000	99	53407	20.0	20.5	
49 Methacrylonitrile	67	3.080	3.080	0.000	90	266523	200.0	226.1	
50 Chlorobromomethane	128	3.080	3.080	0.000	87	41161	20.0	20.8	
51 Tetrahydrofuran	42	3.130	3.130	0.000	80	32488	40.0	41.5	
52 Chloroform	83	3.159	3.159	0.000	100	140145	20.0	21.8	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	152298	50.0	50.2	
54 1,1,1-Trichloroethane	97	3.309	3.309	0.000	98	113158	20.0	21.7	
55 Cyclohexane	84	3.359	3.359	0.000	87	127002	20.0	24.8	
56 Carbon tetrachloride	117	3.459	3.459	0.000	72	87190	20.0	20.8	
57 1,1-Dichloropropene	75	3.459	3.459	0.000	98	119587	20.0	23.4	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.581	0.000	0	159701	50.0	49.6	
59 Isobutyl alcohol	43	3.602	3.602	0.000	91	42803	500.0	529.1	
60 Benzene	78	3.638	3.638	0.000	95	350194	20.0	23.3	
61 1,2-Dichloroethane	62	3.652	3.652	0.000	97	94257	20.0	19.2	
62 Isooctane	57	3.745	3.745	0.000	97	166061	20.0	25.3	
63 Isopropyl acetate	61	3.753	3.753	0.000	98	20689	20.0	20.9	
64 Tert-amyl methyl ether	73	3.774	3.774	0.000	99	194864	20.0	21.7	
* 65 Fluorobenzene	96	3.910	3.910	0.000	99	828069	50.0	50.0	
66 n-Heptane	43	3.931	3.931	0.000	90	65055	20.0	23.6	
67 n-Butanol	56	4.267	4.267	0.000	90	33038	500.0	589.6	
68 Trichloroethene	95	4.275	4.275	0.000	98	87864	20.0	21.8	
69 Ethyl acrylate	55	4.432	4.432	0.000	98	61467	20.0	15.7	
70 Methylcyclohexane	83	4.475	4.475	0.000	95	121471	20.0	23.8	
71 1,2-Dichloropropane	63	4.496	4.496	0.000	94	89299	20.0	23.9	
73 Dibromomethane	93	4.618	4.618	0.000	97	46866	20.0	21.6	
* 72 1,4-Dioxane-d8	96	4.625	4.625	0.000	0	42859	1000.0	1000.0	
74 1,4-Dioxane	88	4.668	4.668	0.000	31	18008	400.0	424.0	
75 Methyl methacrylate	100	4.682	4.682	0.000	86	35794	40.0	42.8	
76 n-Propyl acetate	43	4.761	4.761	0.000	97	69379	20.0	20.6	
77 Dichlorobromomethane	83	4.811	4.811	0.000	98	100120	20.0	21.4	
78 2-Nitropropane	41	5.075	5.075	0.000	95	15906	40.0	38.1	
79 2-Chloroethyl vinyl ether	63	5.197	5.197	0.000	93	18451	20.0	28.8	
80 Epichlorohydrin	57	5.240	5.240	0.000	98	94971	400.0	447.4	
81 cis-1,3-Dichloropropene	75	5.340	5.340	0.000	89	128847	20.0	24.7	
82 4-Methyl-2-pentanone (MIBK	43	5.554	5.554	0.000	94	236555	100.0	103.9	
\$ 83 Toluene-d8 (Surr)	98	5.655	5.655	0.000	100	642324	50.0	50.4	
84 Toluene	91	5.740	5.740	0.000	94	369779	20.0	22.1	
85 trans-1,3-Dichloropropene	75	6.048	6.048	0.000	94	102049	20.0	23.3	
86 Ethyl methacrylate	69	6.227	6.227	0.000	88	80979	20.0	23.4	
87 1,1,2-Trichloroethane	83	6.269	6.269	0.000	95	57637	20.0	21.7	
88 Tetrachloroethene	166	6.434	6.434	0.000	96	84404	20.0	19.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
89 1,3-Dichloropropane	76	6.477	6.477	0.000	91	119278	20.0	21.9	
90 2-Hexanone	43	6.663	6.663	0.000	94	166522	100.0	102.9	
91 Chlorodibromomethane	129	6.777	6.777	0.000	98	67437	20.0	20.8	
92 n-Butyl acetate	43	6.899	6.899	0.000	98	77764	20.0	21.2	
93 Ethylene Dibromide	107	6.899	6.899	0.000	99	66638	20.0	20.8	
* 94 Chlorobenzene-d5	117	7.585	7.585	0.000	85	652399	50.0	50.0	
95 Chlorobenzene	112	7.621	7.621	0.000	96	241280	20.0	21.7	
96 1,1,1,2-Tetrachloroethane	131	7.764	7.764	0.000	95	68886	20.0	20.6	
97 Ethylbenzene	106	7.835	7.835	0.000	97	131241	20.0	22.7	
98 m-Xylene & p-Xylene	106	8.021	8.021	0.000	100	158256	20.0	22.0	
99 o-Xylene	106	8.608	8.608	0.000	95	156527	20.0	22.4	
100 Styrene	104	8.636	8.636	0.000	96	254145	20.0	22.8	
101 n-Butyl acrylate	73	8.701	8.701	0.000	100	49731	20.0	22.5	
102 Bromoform	173	8.858	8.858	0.000	96	34464	20.0	17.1	
103 Amyl acetate (mixed isomer)	43	9.094	9.094	0.000	92	105594	20.0	23.1	
104 Isopropylbenzene	105	9.215	9.215	0.000	95	370656	20.0	22.4	
\$ 105 4-Bromofluorobenzene	174	9.416	9.416	0.000	88	180627	50.0	42.5	
106 Bromobenzene	156	9.601	9.601	0.000	99	97256	20.0	20.2	
107 1,1,2,2-Tetrachloroethane	83	9.723	9.723	0.000	98	85866	20.0	23.0	
108 1,2,3-Trichloropropane	110	9.744	9.744	0.000	97	24371	20.0	20.4	
109 trans-1,4-Dichloro-2-buten	53	9.830	9.830	0.000	84	15109	20.0	19.3	
110 N-Propylbenzene	91	9.887	9.887	0.000	99	425579	20.0	23.3	
111 2-Chlorotoluene	91	9.959	9.959	0.000	97	285982	20.0	23.3	
112 4-Ethyltoluene	105	10.088	10.088	0.000	99	366345	20.0	23.4	
113 4-Chlorotoluene	91	10.145	10.145	0.000	97	274472	20.0	22.3	
114 1,3,5-Trimethylbenzene	105	10.209	10.209	0.000	93	302780	20.0	23.3	
115 Butyl Methacrylate	87	10.495	10.495	0.000	87	97462	20.0	20.8	
116 tert-Butylbenzene	119	10.724	10.724	0.000	95	247188	20.0	22.3	
117 1,2,4-Trimethylbenzene	105	10.810	10.810	0.000	97	295111	20.0	22.9	
118 sec-Butylbenzene	105	11.096	11.096	0.000	99	340735	20.0	23.6	
119 1,3-Dichlorobenzene	146	11.189	11.189	0.000	96	185376	20.0	21.3	
* 120 1,4-Dichlorobenzene-d4	152	11.296	11.296	0.000	95	359632	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.332	11.332	0.000	96	186325	20.0	20.9	
122 4-Isopropyltoluene	119	11.353	11.353	0.000	98	282765	20.0	23.3	
123 1,2,3-Trimethylbenzene	105	11.453	11.453	0.000	98	300808	20.0	22.8	
124 Benzyl chloride	126	11.553	11.553	0.000	99	21038	20.0	17.6	
125 2,3-Dihydroindene	117	11.689	11.689	0.000	95	337128	20.0	22.8	
126 1,2-Dichlorobenzene	146	11.825	11.825	0.000	95	182601	20.0	21.7	
127 p-Diethylbenzene	119	11.882	11.882	0.000	94	143623	20.0	22.8	
128 n-Butylbenzene	92	11.904	11.904	0.000	97	124750	20.0	24.3	
129 1,2-Dibromo-3-Chloropropan	75	12.726	12.726	0.000	95	14318	20.0	21.8	
130 1,2,4,5-Tetramethylbenzene	119	12.748	12.748	0.000	97	287536	20.0	25.0	
131 1,3,5-Trichlorobenzene	180	12.948	12.948	0.000	98	100135	20.0	20.1	
132 1,2,4-Trichlorobenzene	180	13.513	13.513	0.000	94	92269	20.0	20.6	
133 Hexachlorobutadiene	225	13.691	13.691	0.000	92	31006	20.0	19.5	
134 Naphthalene	128	13.713	13.713	0.000	99	233230	20.0	22.8	
135 1,2,3-Trichlorobenzene	180	13.920	13.920	0.000	95	80024	20.0	20.3	
S 137 1,2-Dichloroethene, Total	100				0		40.0	46.0	
S 138 Xylenes, Total	100				0		40.0	44.4	
S 139 Total BTEX	1				0		100.0	112.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260MIX1COMB_00107	Amount Added: 20.00	Units: uL	
ACROLEIN W_00098	Amount Added: 4.00	Units: uL	
GASES Li_00341	Amount Added: 20.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44140.D

Injection Date: 17-Nov-2019 18:46:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

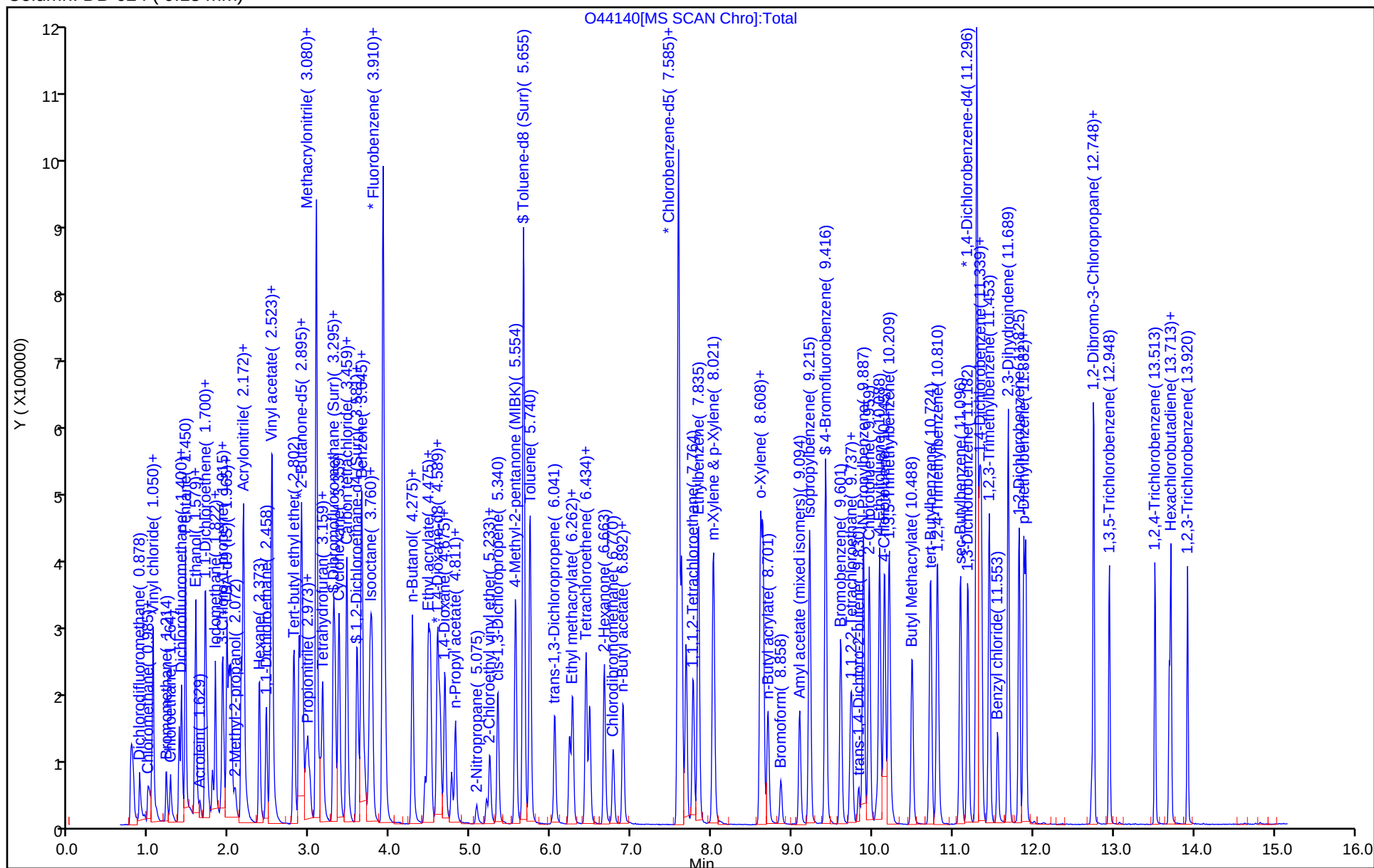
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44140.D

Injection Date: 17-Nov-2019 18:46:30

Instrument ID: CVOAMS12

Lims ID: CCVIS

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

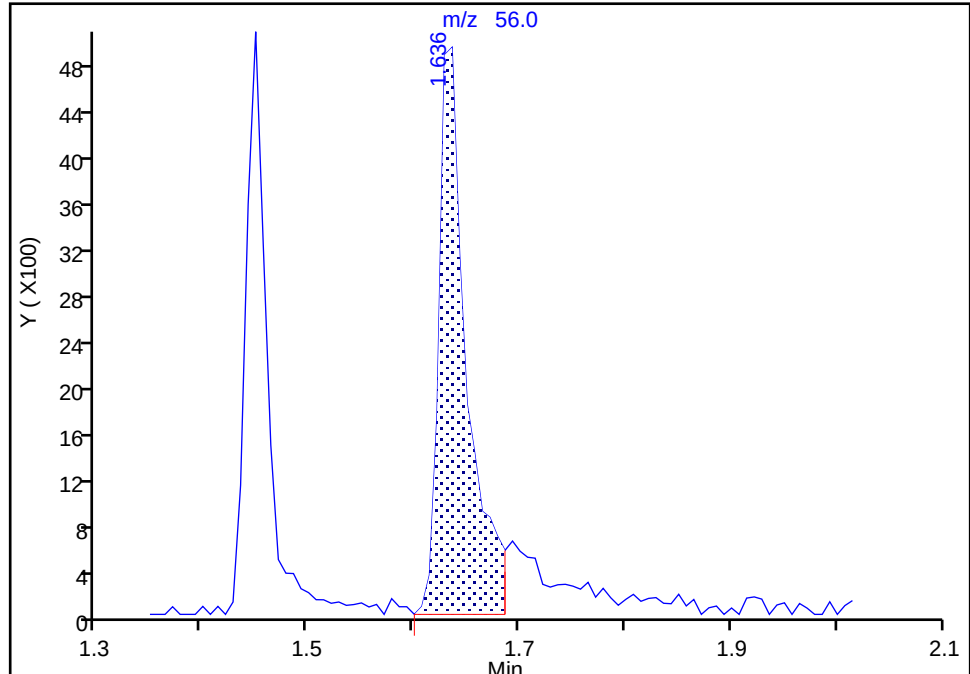
Detector: MS SCAN

19 Acrolein, CAS: 107-02-8

Signal: 1

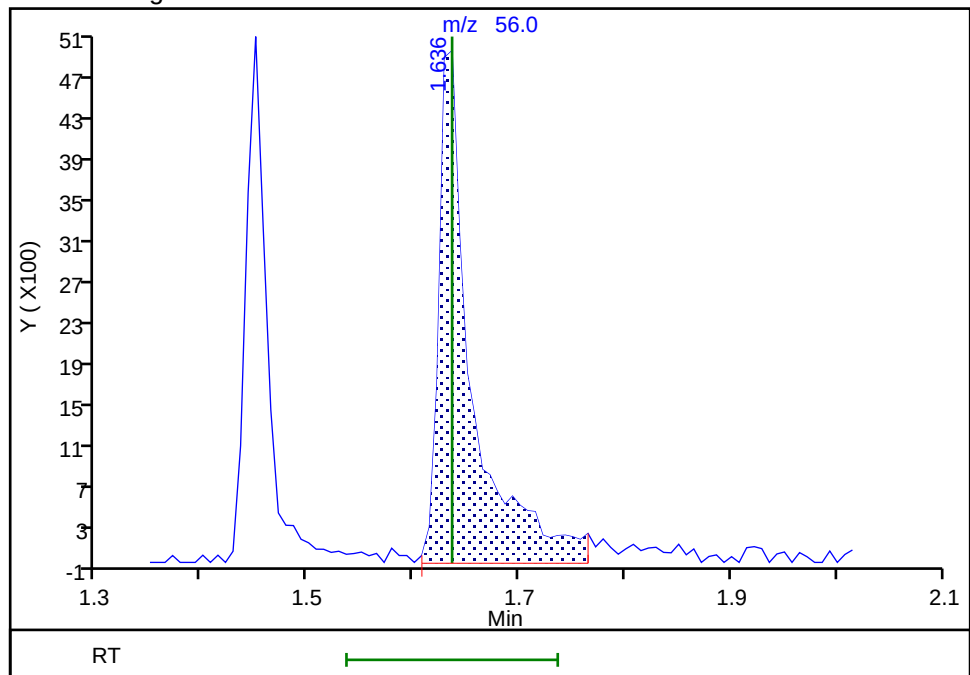
RT: 1.64
Area: 9070
Amount: 32.413725
Amount Units: ug/l

Processing Integration Results



RT: 1.64
Area: 10827
Amount: 38.692767
Amount Units: ug/l

Manual Integration Results



Reviewer: asfawa, 19-Nov-2019 05:56:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43444.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 04-Nov-2019 07:39:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0100553-001
Operator ID: Instrument ID: CVOAMS12
Method: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 05-Nov-2019 10:05:54 Calib Date: 04-Nov-2019 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: tupayachia

Date: 04-Nov-2019 07:45:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 140 BFB	95	2.630	2.630	0.000	87	47143	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00022

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43444.D

Injection Date: 04-Nov-2019 07:39:30

Instrument ID: CVOAMS12

Lims ID: BFB

Client ID:

Operator ID:

ALS Bottle#: 99 Worklist Smp#: 1

Injection Vol: 5.0 mL

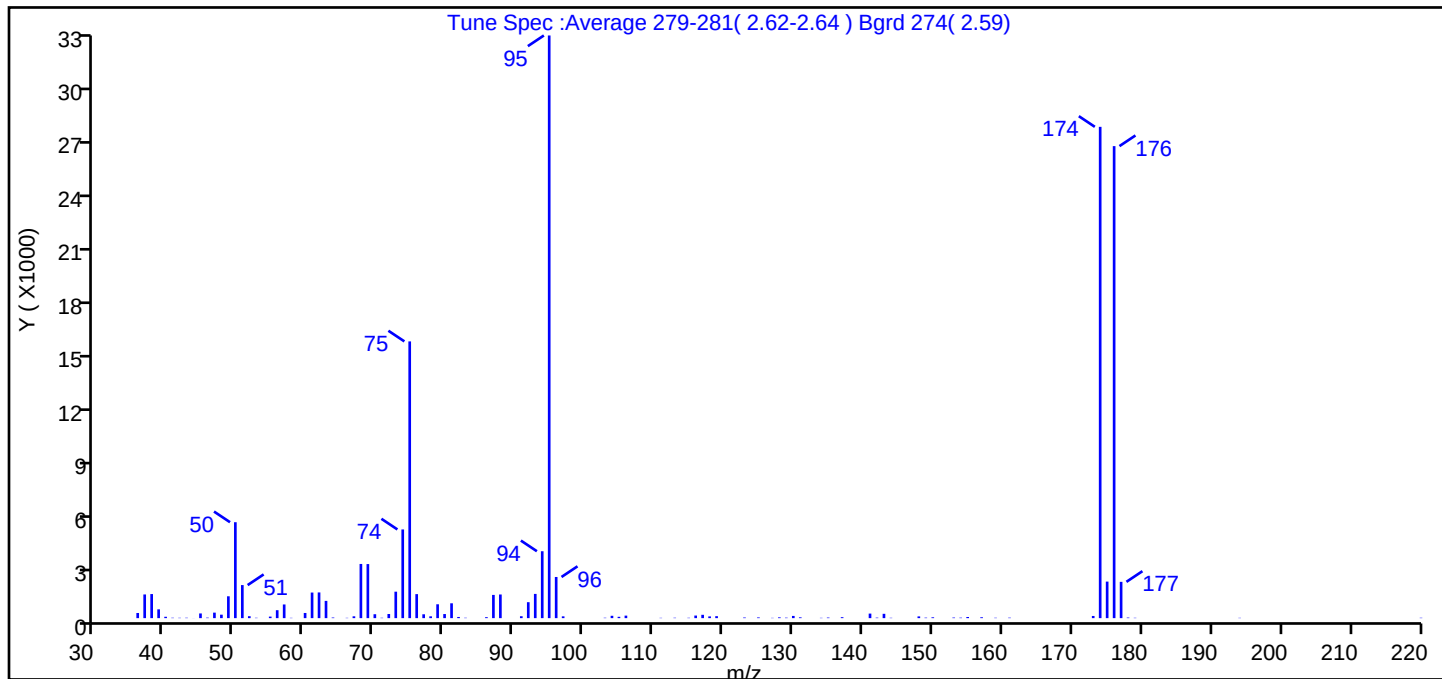
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Tune Method: BFB Method 8260

\$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.5
75	30 to 60% of m/z 95	47.5
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.4 (0.4)
174	50 to 120% of m/z 95	84.3
175	5 to 9% of m/z 174	6.3 (7.4)
176	Greater than 95% but less than 101% of m/z 174	81.0 (96.1)
177	5 to 9% of m/z 176	6.2 (7.7)

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43444.D\8260W_12.rslt\spectra.d
 Injection Date: 04-Nov-2019 07:39:30
 Spectrum: Tune Spec :Average 279-281(2.62-2.64) Bgrd 274(2.59)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 98

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	284	63.00	952	93.00	1337	137.00	52
37.00	1307	64.00	34	94.00	3691	141.00	251
38.00	1329	66.00	17	95.00	32144	142.00	28
39.00	486	67.00	101	96.00	2271	143.00	239
40.00	76	68.00	2989	97.00	99	144.00	19
41.00	22	69.00	2983	103.00	22	148.00	96
42.00	19	70.00	216	104.00	130	149.00	27
43.00	22	71.00	20	105.00	74	150.00	46
44.00	3	72.00	228	106.00	139	153.00	32
45.00	259	73.00	1460	111.00	17	154.00	26
46.00	28	74.00	4893	113.00	22	155.00	63
47.00	304	75.00	15267	115.00	20	157.00	48
48.00	191	76.00	1325	116.00	143	159.00	21
49.00	1206	77.00	213	117.00	184	161.00	26
50.00	5292	78.00	100	118.00	96	173.00	120
51.00	1824	79.00	765	119.00	109	174.00	27104
52.00	107	80.00	226	123.00	34	175.00	2016
53.00	20	81.00	819	125.00	39	176.00	26040
55.00	85	82.00	64	127.00	16	177.00	2003
56.00	438	83.00	21	128.00	43	178.00	32
57.00	755	86.00	53	129.00	26	179.00	19
58.00	17	87.00	1282	130.00	122	194.00	17
60.00	285	88.00	1305	131.00	43	220.00	21
61.00	1412	91.00	105	134.00	17		
62.00	1418	92.00	880	135.00	32		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44108.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 17-Nov-2019 04:03:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0101333-001
Operator ID: Instrument ID: CVOAMS12
Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Nov-2019 20:09:45 Calib Date: 04-Nov-2019 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: tupayachia

Date: 17-Nov-2019 04:11:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 140 BFB	95	2.630	2.630	0.000	79	48456	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00022

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44108.D

Injection Date: 17-Nov-2019 04:03:30

Instrument ID: CVOAMS12

Lims ID: BFB

Client ID:

Operator ID:

ALS Bottle#: 99 Worklist Smp#: 1

Injection Vol: 5.0 mL

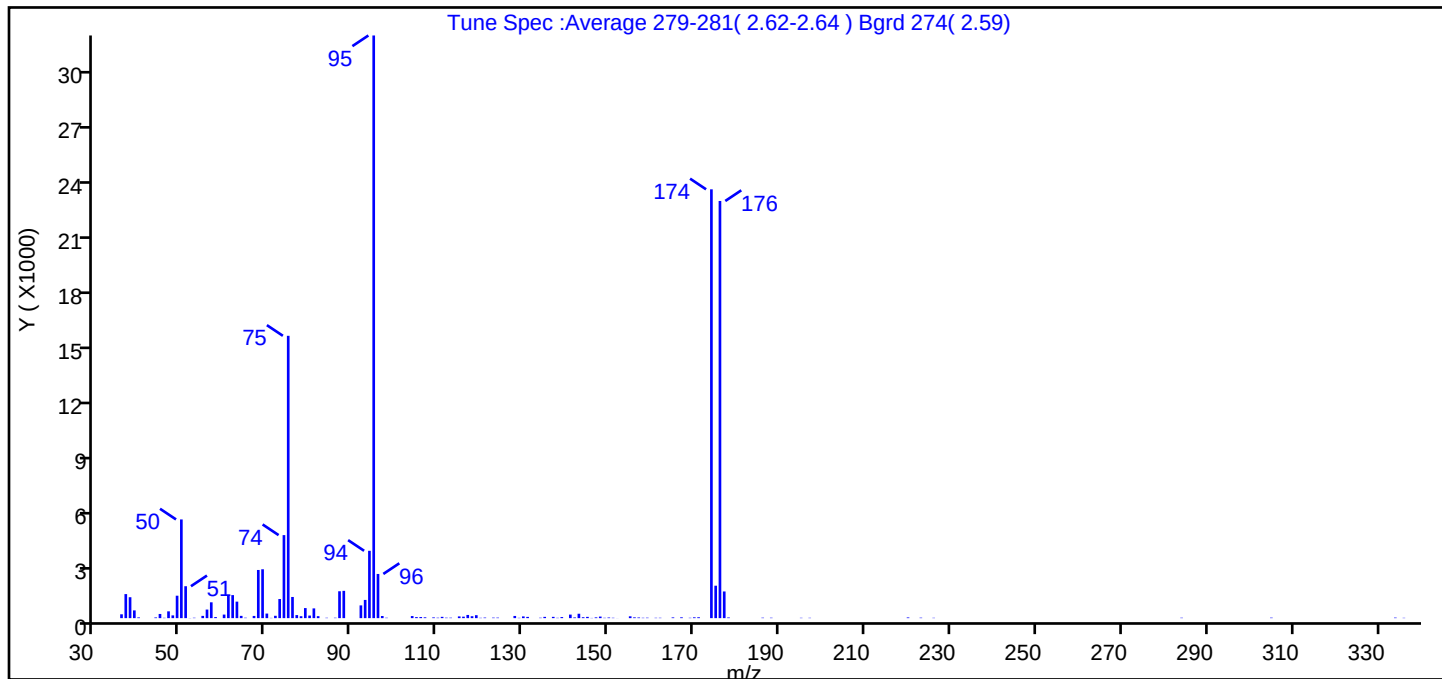
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Tune Method: BFB Method 8260

\$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.9
75	30 to 60% of m/z 95	48.5
96	5 to 9% of m/z 95	7.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	73.6
175	5 to 9% of m/z 174	5.6 (7.6)
176	Greater than 95% but less than 101% of m/z 174	71.6 (97.3)
177	5 to 9% of m/z 176	4.6 (6.4)

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44108.D\8260W_12.rslt\spectra.d
Injection Date: 17-Nov-2019 04:03:30
Spectrum: Tune Spec :Average 279-281(2.62-2.64) Bgrd 274(2.59)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	206	72.00	126	113.00	24	152.00	3
37.00	1288	73.00	1024	115.00	93	155.00	98
38.00	1121	74.00	4447	116.00	79	156.00	41
39.00	415	75.00	15122	117.00	171	157.00	35
40.00	39	76.00	1134	118.00	103	158.00	20
44.00	37	77.00	164	119.00	158	159.00	24
45.00	224	78.00	103	120.00	17	161.00	19
46.00	18	79.00	539	121.00	30	162.00	20
47.00	364	80.00	138	123.00	27	165.00	39
48.00	148	81.00	522	124.00	27	167.00	43
49.00	1202	82.00	106	128.00	117	169.00	19
50.00	5287	84.00	20	129.00	16	170.00	43
51.00	1710	86.00	22	130.00	92	171.00	47
52.00	7	87.00	1440	131.00	67	174.00	22968
53.00	21	88.00	1462	134.00	22	175.00	1737
55.00	121	92.00	683	135.00	68	176.00	22344
56.00	460	93.00	976	137.00	69	177.00	1429
57.00	848	94.00	3607	138.00	17	178.00	35
58.00	57	95.00	31208	139.00	57	186.00	24
60.00	191	96.00	2367	141.00	190	188.00	22
61.00	1227	97.00	114	142.00	38	195.00	18
62.00	1234	98.00	21	143.00	236	197.00	18
63.00	884	104.00	111	144.00	49	220.00	37
64.00	122	105.00	55	145.00	68	223.00	25
65.00	23	106.00	58	146.00	11	226.00	18
67.00	118	107.00	44	147.00	41	284.00	22
68.00	2580	109.00	39	148.00	84	305.00	26
69.00	2618	110.00	23	149.00	18	334.00	28
70.00	245	111.00	70	150.00	34	336.00	17
71.00	13	112.00	24	151.00	20		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44138.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 17-Nov-2019 17:41:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0101360-001
Operator ID: Instrument ID: CVOAMS12
Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Nov-2019 22:31:58 Calib Date: 04-Nov-2019 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 140 BFB	95	2.616	2.616	0.000	89	33365	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00022

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44138.D

Injection Date: 17-Nov-2019 17:41:30

Instrument ID: CVOAMS12

Lims ID: BFB

Client ID:

Operator ID:

ALS Bottle#: 99 Worklist Smp#: 1

Injection Vol: 5.0 mL

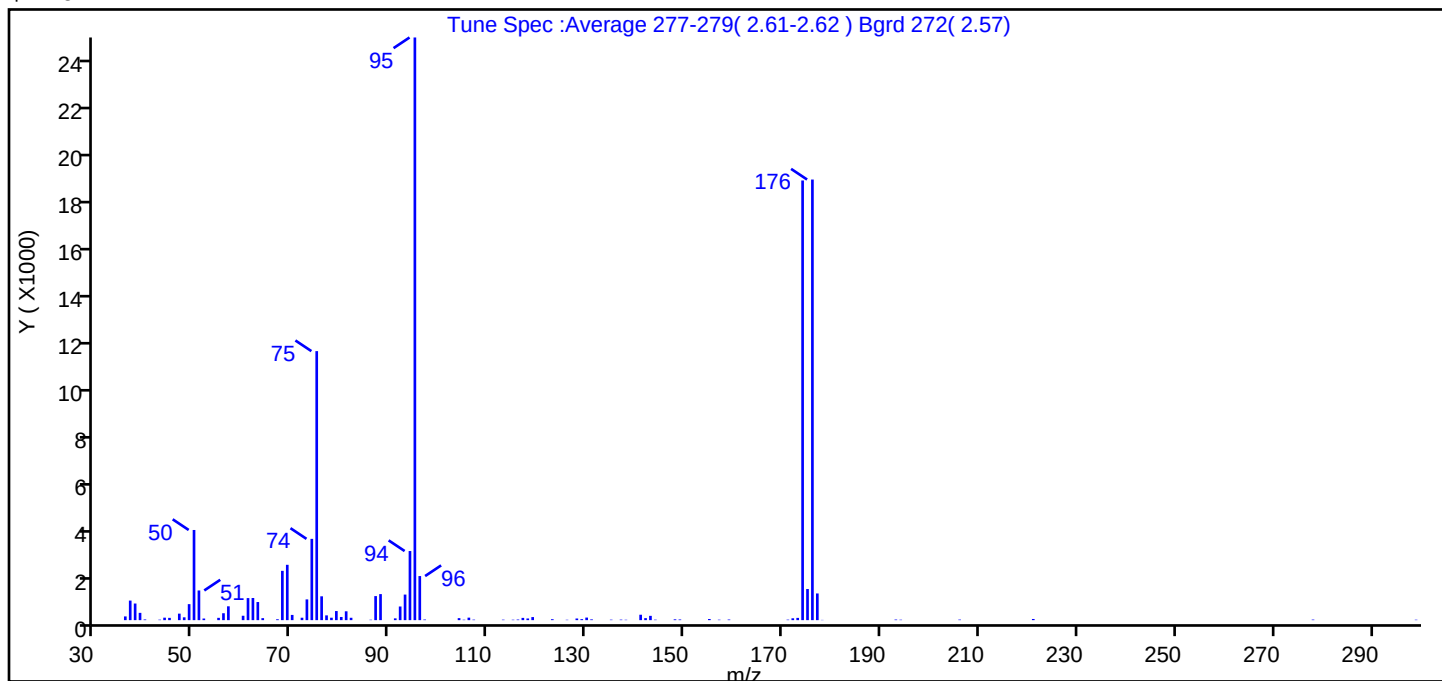
Dil. Factor: 1.0000

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Tune Method: BFB Method 8260

\$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.5
75	30 to 60% of m/z 95	46.2
96	5 to 9% of m/z 95	7.6
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	75.5
175	5 to 9% of m/z 174	5.3 (7.1)
176	Greater than 95% but less than 101% of m/z 174	75.6 (100.2)
177	5 to 9% of m/z 176	4.6 (6.1)

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44138.D\8260W_12.rslt\spectra.d
Injection Date: 17-Nov-2019 17:41:30
Spectrum: Tune Spec :Average 277-279(2.61-2.62) Bgrd 272(2.57)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 89

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	157	68.00	2077	97.00	26	144.00	20
37.00	824	69.00	2331	104.00	84	148.00	34
38.00	700	70.00	220	105.00	18	149.00	28
39.00	307	72.00	102	106.00	105	155.00	47
40.00	29	73.00	874	107.00	21	157.00	19
43.00	20	74.00	3424	113.00	20	159.00	26
44.00	104	75.00	11332	115.00	18	171.00	21
45.00	96	76.00	1004	116.00	26	172.00	78
47.00	274	77.00	201	117.00	95	173.00	95
48.00	119	78.00	102	118.00	70	174.00	18520
49.00	674	79.00	383	119.00	129	175.00	1311
50.00	3798	80.00	133	123.00	39	176.00	18560
51.00	1250	81.00	373	126.00	16	177.00	1124
52.00	68	82.00	100	128.00	69	178.00	10
55.00	97	86.00	17	129.00	42	193.00	25
56.00	291	87.00	1013	130.00	108	194.00	18
57.00	583	88.00	1097	131.00	32	206.00	23
60.00	185	91.00	75	135.00	20	221.00	49
61.00	929	92.00	575	137.00	22	278.00	23
62.00	933	93.00	1077	138.00	16	299.00	18
63.00	763	94.00	2911	141.00	228		
64.00	84	95.00	24544	142.00	85		
67.00	37	96.00	1857	143.00	181		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-656031/8
 Matrix: Water Lab File ID: O44115.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 07:01
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656031 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.43
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.43
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-656031/8
 Matrix: Water Lab File ID: O44115.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 07:01
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656031 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
108-87-2	Methylcyclohexane	1.0	U	1.0	0.26
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.49
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		74-132
460-00-4	4-Bromofluorobenzene	84		77-124
1868-53-7	Dibromofluoromethane (Surr)	104		72-131
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44115.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 17-Nov-2019 07:01:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 460-0101333-008
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 19-Nov-2019 19:21:32 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0307

First Level Reviewer: yallabg

Date: 17-Nov-2019 20:05:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	100	224573	1000.0	1000.0	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	100	280506	250.0	250.0	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	153581	50.0	51.9	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.574	0.007	0	159552	50.0	50.8	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	808279	50.0	50.0	
* 72 1,4-Dioxane-d8	96	4.611	4.610	0.001	0	44483	1000.0	1000.0	
\$ 83 Toluene-d8 (Surr)	98	5.647	5.647	0.000	100	636570	50.0	51.4	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	86	634180	50.0	50.0	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	87	174228	50.0	42.2	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	96	350713	50.0	50.0	

Reagents:

8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44115.D

Injection Date: 17-Nov-2019 07:01:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

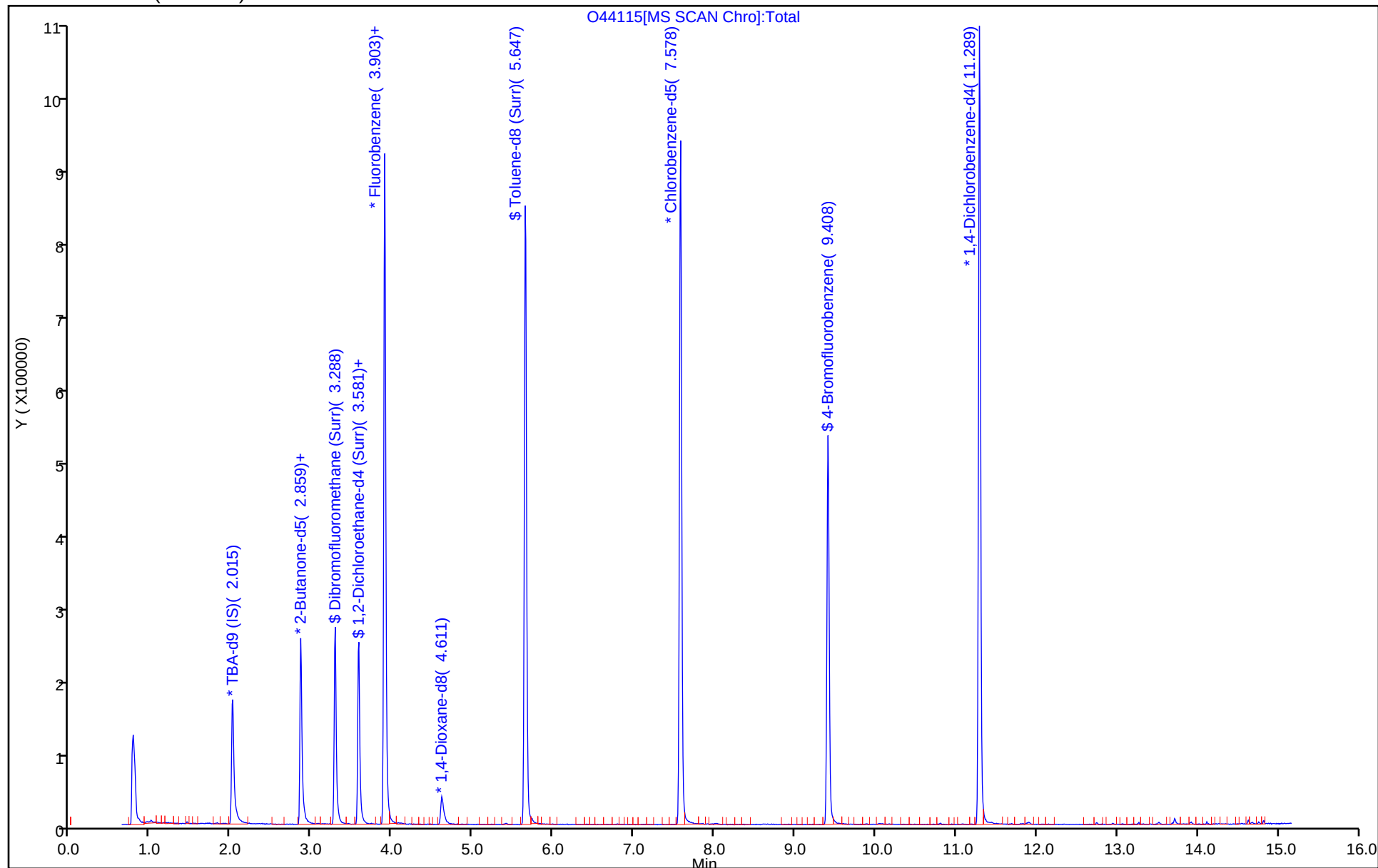
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44115.D

Injection Date: 17-Nov-2019 07:01:30

Instrument ID: CVOAMS12

Lims ID: MB

Client ID:

Operator ID:

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_12

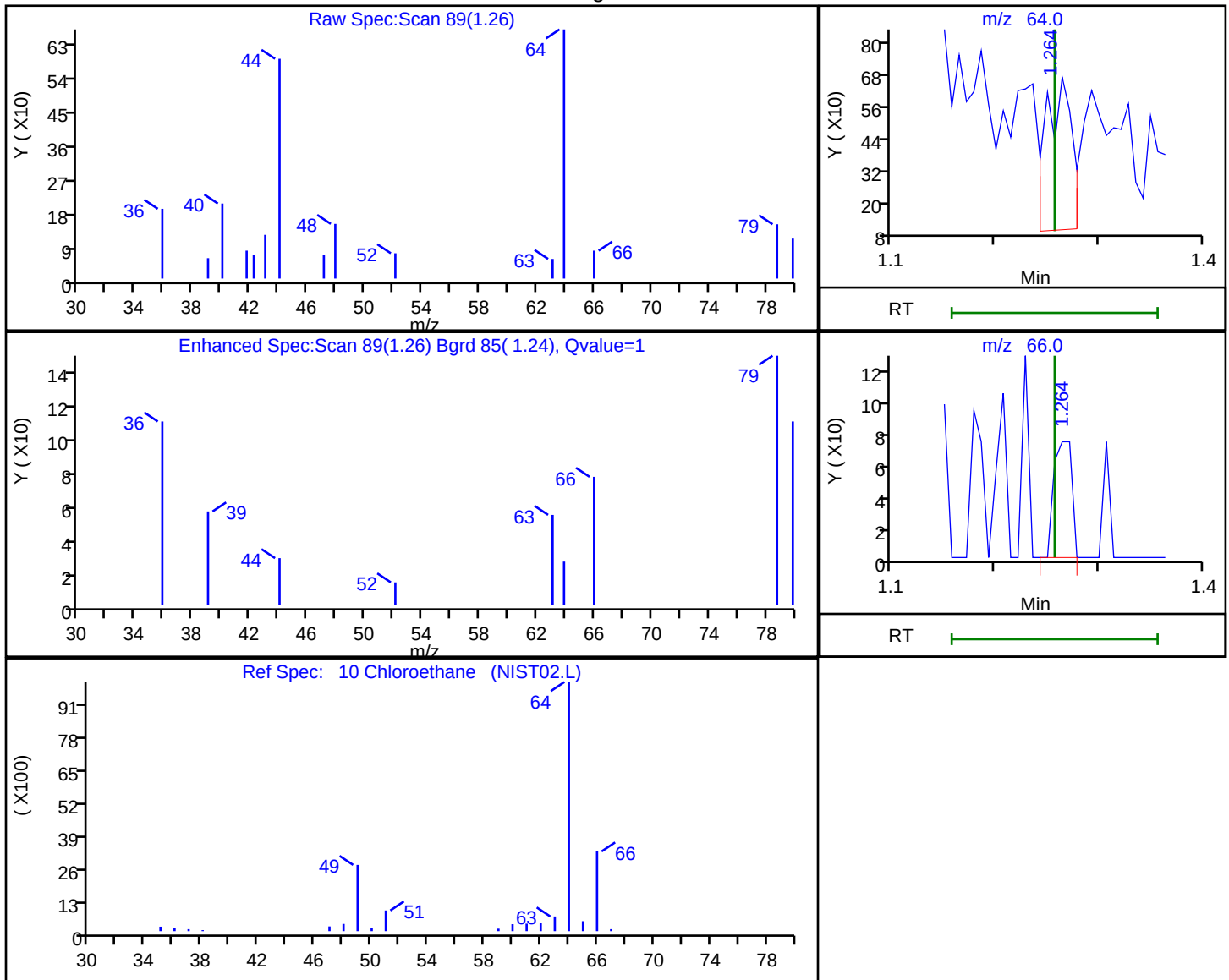
Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)

Detector: MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.26	64.00	1018	0.386353
1.26	66.00	90	

Reviewer: yallabg, 17-Nov-2019 20:05:43

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-656120/9
 Matrix: Water Lab File ID: O44146.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 21:20
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656120 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.43
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.43
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-656120/9
 Matrix: Water Lab File ID: O44146.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 21:20
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656120 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
108-87-2	Methylcyclohexane	1.0	U	1.0	0.26
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.49
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
460-00-4	4-Bromofluorobenzene	83		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44146.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 17-Nov-2019 21:20:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 460-0101360-009
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 19-Nov-2019 05:59:21 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0322

First Level Reviewer: yallabg

Date: 17-Nov-2019 21:40:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	100	217589	1000.0	1000.0	
* 42 2-Butanone-d5	46	2.866	2.866	0.000	100	280578	250.0	250.0	
\$ 53 Dibromofluoromethane (Surr	113	3.295	3.288	0.007	97	152065	50.0	51.0	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.588	3.581	0.007	0	153757	50.0	48.5	
* 65 Fluorobenzene	96	3.910	3.910	0.000	99	814639	50.0	50.0	
* 72 1,4-Dioxane-d8	96	4.625	4.625	0.000	0	44099	1000.0	1000.0	
\$ 83 Toluene-d8 (Surr)	98	5.662	5.655	0.007	99	638322	50.0	50.8	
* 94 Chlorobenzene-d5	117	7.585	7.585	0.000	85	643560	50.0	50.0	
\$ 105 4-Bromofluorobenzene	174	9.423	9.416	0.007	89	174332	50.0	41.6	
* 120 1,4-Dichlorobenzene-d4	152	11.303	11.296	0.007	96	353652	50.0	50.0	
130 1,2,4,5-Tetramethylbenzene	119	12.755	12.748	0.007	96	1774		0.1569	

Reagents:

8260ISNEW_00127 Amount Added: 1.00 Units: uL Run Reagent
 8260SURR250_00203 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44146.D

Injection Date: 17-Nov-2019 21:20:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: MB

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

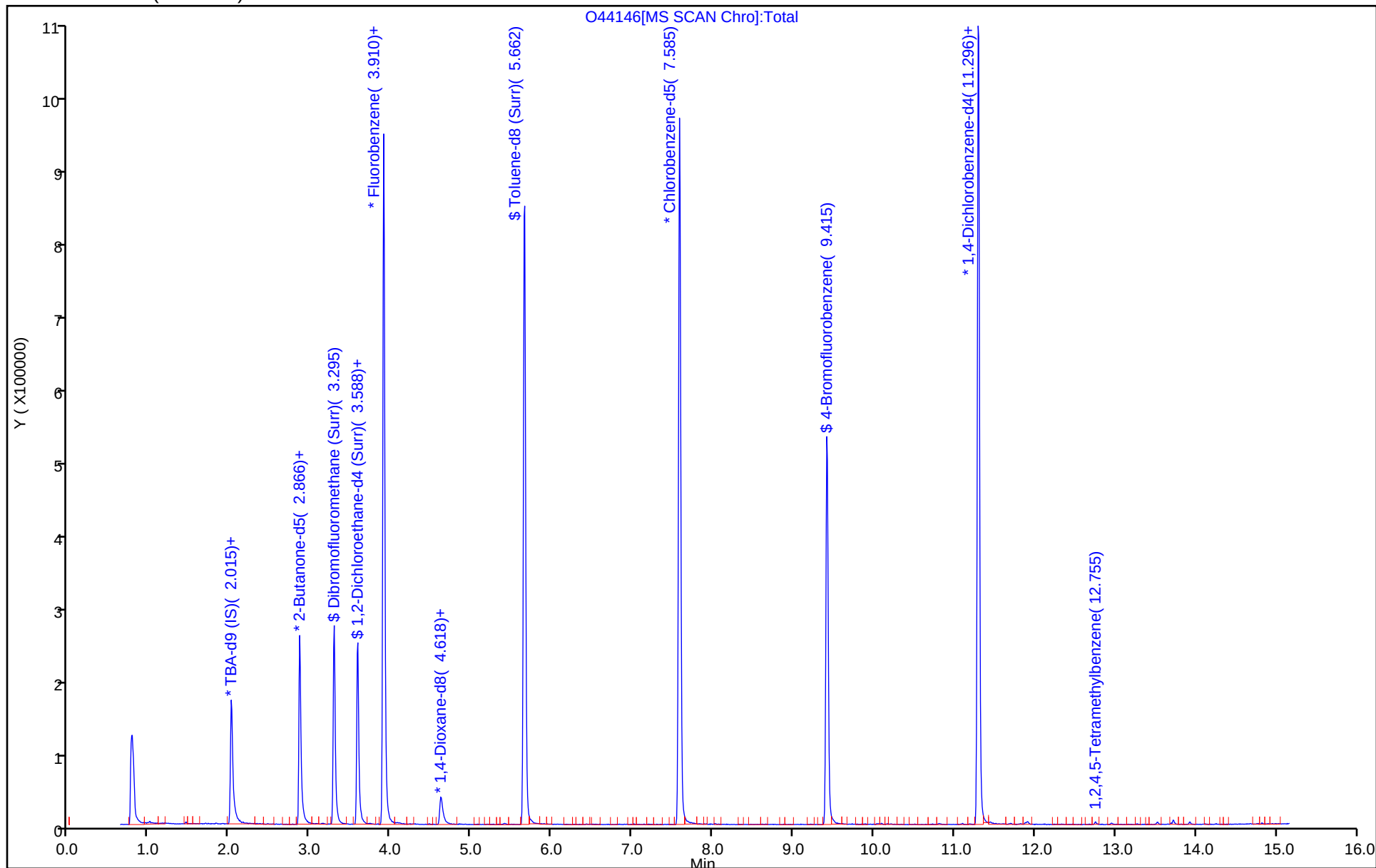
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-656031/3
 Matrix: Water Lab File ID: O44110.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 04:52
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656031 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.4		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	23.6		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.0		1.0	0.31
79-00-5	1,1,2-Trichloroethane	21.2		1.0	0.43
75-34-3	1,1-Dichloroethane	21.8		1.0	0.26
75-35-4	1,1-Dichloroethene	20.8		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	20.0		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	21.6		1.0	0.38
95-50-1	1,2-Dichlorobenzene	21.7		1.0	0.43
107-06-2	1,2-Dichloroethane	19.1		1.0	0.43
78-87-5	1,2-Dichloropropane	23.3		1.0	0.35
541-73-1	1,3-Dichlorobenzene	20.8		1.0	0.34
106-46-7	1,4-Dichlorobenzene	20.8		1.0	0.33
78-93-3	2-Butanone (MEK)	94.9		5.0	1.9
591-78-6	2-Hexanone	96.6		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	100		5.0	1.3
67-64-1	Acetone	82.6		5.0	4.4
71-43-2	Benzene	22.7		1.0	0.20
75-25-2	Bromoform	17.2		1.0	0.54
74-83-9	Bromomethane	21.7		1.0	0.55
75-15-0	Carbon disulfide	21.3		1.0	0.82
56-23-5	Carbon tetrachloride	19.9		1.0	0.21
108-90-7	Chlorobenzene	21.0		1.0	0.38
124-48-1	Chlorodibromomethane	19.9		1.0	0.28
75-00-3	Chloroethane	21.5		1.0	0.32
67-66-3	Chloroform	20.6		1.0	0.33
74-87-3	Chloromethane	23.0		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.7		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	24.2		1.0	0.22
110-82-7	Cyclohexane	23.8		1.0	0.32
75-27-4	Dichlorobromomethane	20.5		1.0	0.34
75-71-8	Dichlorodifluoromethane	22.7		1.0	0.31
100-41-4	Ethylbenzene	21.6		1.0	0.30
106-93-4	Ethylene Dibromide	20.1		1.0	0.50
98-82-8	Isopropylbenzene	21.9		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-656031/3
 Matrix: Water Lab File ID: O44110.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 04:52
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656031 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	41.6		5.0	0.79
1634-04-4	Methyl tert-butyl ether	22.3		1.0	0.47
108-87-2	Methylcyclohexane	23.1		1.0	0.26
75-09-2	Methylene Chloride	20.1		1.0	0.32
100-42-5	Styrene	22.0		1.0	0.42
127-18-4	Tetrachloroethene	19.3		1.0	0.25
108-88-3	Toluene	21.8		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	22.6		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	22.5		1.0	0.49
79-01-6	Trichloroethene	20.6		1.0	0.31
75-69-4	Trichlorofluoromethane	20.7		1.0	0.32
75-01-4	Vinyl chloride	22.8		1.0	0.17
1330-20-7	Xylenes, Total	43.3		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		74-132
460-00-4	4-Bromofluorobenzene	86		77-124
1868-53-7	Dibromofluoromethane (Surr)	99		72-131
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44110.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 17-Nov-2019 04:52:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 460-0101333-003
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 18-Nov-2019 09:18:02 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0316

First Level Reviewer: tupayachia

Date: 17-Nov-2019 05:30:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	99	99966	20.0	22.7	
6 Chloromethane	50	0.985	0.985	0.000	98	90083	20.0	23.0	
7 Vinyl chloride	62	1.028	1.028	0.000	97	98280	20.0	22.8	
8 Butadiene	54	1.043	1.043	0.000	95	83984	20.0	23.0	
9 Bromomethane	94	1.207	1.207	0.000	99	41595	20.0	21.7	
10 Chloroethane	64	1.257	1.257	0.000	99	58603	20.0	21.5	
11 Dichlorofluoromethane	67	1.364	1.364	0.000	99	136710	20.0	21.7	
12 Trichlorofluoromethane	101	1.393	1.393	0.000	98	113818	20.0	20.7	
13 Pentane	72	1.443	1.443	0.000	96	28685	40.0	40.8	
14 Ethanol	46	1.522	1.522	0.000	93	13669	800.0	670.3	
15 Ethyl ether	59	1.557	1.557	0.000	97	57278	20.0	20.6	
17 2-Methyl-1,3-butadiene	53	1.579	1.579	0.000	91	58403	20.0	21.5	
19 Acrolein	56	1.629	1.629	0.000	89	12293	40.0	40.0	
20 1,1-Dichloroethene	96	1.686	1.686	0.000	97	70110	20.0	20.8	
21 1,1,2-Trichloro-1,2,2-trif	101	1.700	1.700	0.000	96	75081	20.0	21.0	
22 Acetone	58	1.722	1.722	0.000	90	21234	100.0	82.6	
23 Iodomethane	127	1.779	1.779	0.000	96	32104	20.0	17.0	
24 Isopropyl alcohol	45	1.808	1.808	0.000	24	28427	200.0	157.6	
25 Carbon disulfide	76	1.815	1.815	0.000	98	219183	20.0	21.3	
27 Acetonitrile	38	1.908	1.908	0.000	80	19719	200.0	176.8	
26 3-Chloro-1-propene	76	1.908	1.908	0.000	95	51424	20.0	20.2	
28 Methyl acetate	74	1.922	1.922	0.000	98	17407	40.0	41.6	
29 Cyclopentene	67	1.965	1.965	0.000	95	192320	20.0	21.9	
30 Methylene Chloride	84	1.986	1.986	0.000	88	84704	20.0	20.1	
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	99	224955	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.065	2.065	0.000	99	42199	200.0	193.2	
33 Acrylonitrile	53	2.137	2.137	0.000	96	182135	200.0	226.6	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	94	82995	20.0	22.6	
35 Methyl tert-butyl ether	73	2.172	2.172	0.000	97	197866	20.0	22.3	
36 Hexane	57	2.365	2.365	0.000	89	97348	20.0	25.1	
37 1,1-Dichloroethane	63	2.451	2.451	0.000	99	139934	20.0	21.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Vinyl acetate	86	2.501	2.501	0.000	100	26208	40.0	50.8	
39 Isopropyl ether	45	2.523	2.523	0.000	89	237178	20.0	22.3	
40 2-Chloro-1,3-butadiene	88	2.523	2.523	0.000	73	80500	20.0	23.0	
41 Tert-butyl ethyl ether	59	2.794	2.794	0.000	91	211539	20.0	22.1	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	100	310097	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	95	90921	20.0	21.7	
43 2,2-Dichloropropane	97	2.887	2.887	0.000	72	24419	20.0	24.1	
45 2-Butanone (MEK)	72	2.909	2.909	0.000	98	35837	100.0	94.9	
46 Propionitrile	52	2.944	2.944	0.000	95	16288	200.0	198.8	
47 Ethyl acetate	70	2.966	2.966	0.000	99	12833	40.0	39.6	
48 Methyl acrylate	55	2.995	2.995	0.000	99	52876	20.0	20.1	
49 Methacrylonitrile	67	3.073	3.073	0.000	90	272585	200.0	229.0	
50 Chlorobromomethane	128	3.073	3.073	0.000	87	41549	20.0	20.8	
51 Tetrahydrofuran	42	3.123	3.123	0.000	79	32615	40.0	38.7	
52 Chloroform	83	3.152	3.152	0.000	100	133574	20.0	20.6	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	151880	50.0	49.6	
54 1,1,1-Trichloroethane	97	3.302	3.302	0.000	98	112483	20.0	21.4	
55 Cyclohexane	84	3.352	3.352	0.000	88	123235	20.0	23.8	
56 Carbon tetrachloride	117	3.452	3.452	0.000	98	84446	20.0	19.9	
57 1,1-Dichloropropene	75	3.452	3.452	0.000	98	114816	20.0	22.2	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.574	3.574	0.000	0	163447	50.0	50.3	
59 Isobutyl alcohol	43	3.595	3.595	0.000	94	46271	500.0	521.1	a
60 Benzene	78	3.631	3.631	0.000	95	341730	20.0	22.7	
61 1,2-Dichloroethane	62	3.645	3.645	0.000	97	94716	20.0	19.1	
62 Isooctane	57	3.738	3.738	0.000	97	164020	20.0	24.8	
63 Isopropyl acetate	61	3.745	3.745	0.000	97	22274	20.0	22.3	
64 Tert-amyl methyl ether	73	3.767	3.767	0.000	99	199688	20.0	22.0	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	836092	50.0	50.0	
66 n-Heptane	43	3.924	3.924	0.000	90	64449	20.0	23.2	
67 n-Butanol	56	4.260	4.260	0.000	80	35275	500.0	573.5	
68 Trichloroethene	95	4.267	4.267	0.000	97	83598	20.0	20.6	
69 Ethyl acrylate	55	4.425	4.425	0.000	99	73963	20.0	18.7	
70 Methylcyclohexane	83	4.467	4.467	0.000	96	118897	20.0	23.1	
71 1,2-Dichloropropane	63	4.489	4.489	0.000	94	87739	20.0	23.3	
73 Dibromomethane	93	4.610	4.610	0.000	98	44617	20.0	20.4	
* 72 1,4-Dioxane-d8	96	4.610	4.610	0.000	0	44310	1000.0	1000.0	
74 1,4-Dioxane	88	4.661	4.661	0.000	31	18359	400.0	418.1	
75 Methyl methacrylate	100	4.675	4.675	0.000	87	36823	40.0	43.6	
76 n-Propyl acetate	43	4.753	4.753	0.000	97	71861	20.0	21.1	
77 Dichlorobromomethane	83	4.804	4.804	0.000	99	96719	20.0	20.5	
78 2-Nitropropane	41	5.068	5.068	0.000	96	16513	40.0	39.2	
79 2-Chloroethyl vinyl ether	63	5.190	5.190	0.000	95	18535	20.0	28.7	
80 Epichlorohydrin	57	5.225	5.225	0.000	99	101619	400.0	444.4	
81 cis-1,3-Dichloropropene	75	5.326	5.326	0.000	90	126395	20.0	24.2	
82 4-Methyl-2-pentanone (MIBK	43	5.547	5.547	0.000	94	245719	100.0	100.2	
\$ 83 Toluene-d8 (Surr)	98	5.647	5.647	0.000	100	644627	50.0	50.6	
84 Toluene	91	5.733	5.733	0.000	94	366241	20.0	21.8	
85 trans-1,3-Dichloropropene	75	6.041	6.041	0.000	95	98653	20.0	22.5	
86 Ethyl methacrylate	69	6.219	6.219	0.000	88	81350	20.0	23.5	
87 1,1,2-Trichloroethane	83	6.262	6.262	0.000	95	56405	20.0	21.2	
88 Tetrachloroethene	166	6.427	6.427	0.000	98	82611	20.0	19.3	
89 1,3-Dichloropropane	76	6.470	6.470	0.000	91	120104	20.0	22.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
90 2-Hexanone	43	6.655	6.655	0.000	92	168363	100.0	96.6	
91 Chlorodibromomethane	129	6.763	6.763	0.000	98	64560	20.0	19.9	
92 n-Butyl acetate	43	6.884	6.884	0.000	98	81275	20.0	22.1	
93 Ethylene Dibromide	107	6.891	6.891	0.000	95	64586	20.0	20.1	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	85	652808	50.0	50.0	
95 Chlorobenzene	112	7.614	7.614	0.000	96	234036	20.0	21.0	
96 1,1,1,2-Tetrachloroethane	131	7.764	7.764	0.000	95	66687	20.0	19.9	
97 Ethylbenzene	106	7.821	7.821	0.000	97	125475	20.0	21.6	
98 m-Xylene & p-Xylene	106	8.014	8.014	0.000	99	154077	20.0	21.4	
99 o-Xylene	106	8.600	8.600	0.000	94	152756	20.0	21.9	
100 Styrene	104	8.629	8.629	0.000	97	245416	20.0	22.0	
101 n-Butyl acrylate	73	8.693	8.693	0.000	98	49652	20.0	22.5	
102 Bromoform	173	8.851	8.851	0.000	95	34791	20.0	17.2	
103 Amyl acetate (mixed isomer)	43	9.087	9.087	0.000	93	104252	20.0	22.9	
104 Isopropylbenzene	105	9.208	9.208	0.000	95	362428	20.0	21.9	
\$ 105 4-Bromofluorobenzene	174	9.408	9.408	0.000	88	182493	50.0	42.9	
106 Bromobenzene	156	9.594	9.594	0.000	99	93940	20.0	19.6	
107 1,1,2,2-Tetrachloroethane	83	9.716	9.716	0.000	98	87446	20.0	23.6	
108 1,2,3-Trichloropropane	110	9.737	9.737	0.000	98	23124	20.0	19.5	
109 trans-1,4-Dichloro-2-buten	53	9.816	9.816	0.000	84	14726	20.0	18.9	
110 N-Propylbenzene	91	9.880	9.880	0.000	100	419527	20.0	23.1	
111 2-Chlorotoluene	91	9.952	9.952	0.000	97	276036	20.0	22.6	
112 4-Ethyltoluene	105	10.080	10.080	0.000	99	363660	20.0	23.4	
113 4-Chlorotoluene	91	10.138	10.138	0.000	97	269523	20.0	22.0	
114 1,3,5-Trimethylbenzene	105	10.195	10.195	0.000	93	292676	20.0	22.7	
115 Butyl Methacrylate	87	10.488	10.488	0.000	87	99237	20.0	21.3	
116 tert-Butylbenzene	119	10.710	10.710	0.000	95	242795	20.0	22.0	
117 1,2,4-Trimethylbenzene	105	10.795	10.795	0.000	97	295820	20.0	23.1	
118 sec-Butylbenzene	105	11.089	11.089	0.000	99	331662	20.0	23.1	
119 1,3-Dichlorobenzene	146	11.182	11.182	0.000	96	180147	20.0	20.8	
* 120 1,4-Dichlorobenzene-d4	152	11.289	11.289	0.000	95	357705	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.325	11.325	0.000	96	184392	20.0	20.8	
122 4-Isopropyltoluene	119	11.346	11.346	0.000	98	278747	20.0	23.1	
123 1,2,3-Trimethylbenzene	105	11.446	11.446	0.000	98	299974	20.0	22.9	
124 Benzyl chloride	126	11.546	11.546	0.000	99	19913	20.0	16.7	
125 2,3-Dihydroindene	117	11.682	11.682	0.000	94	326520	20.0	22.2	
126 1,2-Dichlorobenzene	146	11.818	11.818	0.000	96	181485	20.0	21.7	
127 p-Diethylbenzene	119	11.875	11.875	0.000	93	142486	20.0	22.8	
128 n-Butylbenzene	92	11.897	11.897	0.000	98	126219	20.0	24.7	
129 1,2-Dibromo-3-Chloropropan	75	12.719	12.719	0.000	96	14142	20.0	21.6	
130 1,2,4,5-Tetramethylbenzene	119	12.747	12.747	0.000	98	278648	20.0	24.4	
131 1,3,5-Trichlorobenzene	180	12.941	12.941	0.000	97	98591	20.0	19.9	
132 1,2,4-Trichlorobenzene	180	13.513	13.513	0.000	95	88996	20.0	20.0	
133 Hexachlorobutadiene	225	13.691	13.691	0.000	94	31550	20.0	19.9	
134 Naphthalene	128	13.706	13.706	0.000	99	249847	20.0	24.5	
135 1,2,3-Trichlorobenzene	180	13.913	13.913	0.000	94	79502	20.0	20.2	
S 137 1,2-Dichloroethene, Total	100				0		40.0	44.4	
S 138 Xylenes, Total	100				0		40.0	43.3	
S 139 Total BTEX	1				0		100.0	109.5	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00107	Amount Added: 20.00	Units: uL	
ACROLEIN W_00098	Amount Added: 4.00	Units: uL	
GASES Li_00341	Amount Added: 20.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44110.D

Injection Date: 17-Nov-2019 04:52:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: LCS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

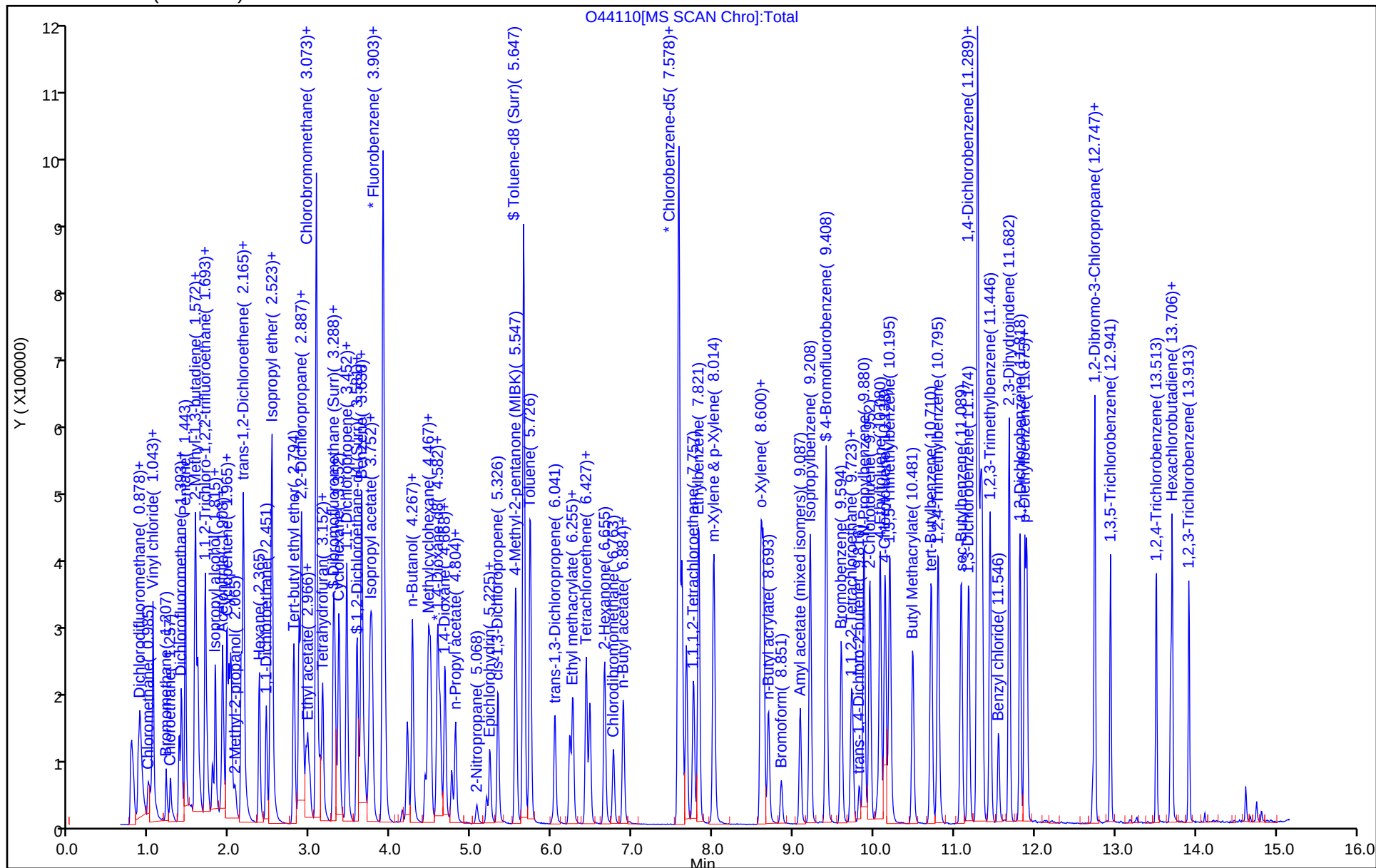
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-656120/4
 Matrix: Water Lab File ID: O44141.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 19:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656120 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.4		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	22.7		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	20.3		1.0	0.43
75-34-3	1,1-Dichloroethane	21.0		1.0	0.26
75-35-4	1,1-Dichloroethene	16.5		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	20.5		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	22.5		1.0	0.38
95-50-1	1,2-Dichlorobenzene	20.9		1.0	0.43
107-06-2	1,2-Dichloroethane	18.4		1.0	0.43
78-87-5	1,2-Dichloropropane	22.6		1.0	0.35
541-73-1	1,3-Dichlorobenzene	20.2		1.0	0.34
106-46-7	1,4-Dichlorobenzene	20.0		1.0	0.33
78-93-3	2-Butanone (MEK)	98.8		5.0	1.9
591-78-6	2-Hexanone	101		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	101		5.0	1.3
67-64-1	Acetone	74.9		5.0	4.4
71-43-2	Benzene	20.6		1.0	0.20
75-25-2	Bromoform	17.1		1.0	0.54
74-83-9	Bromomethane	22.7		1.0	0.55
75-15-0	Carbon disulfide	17.6		1.0	0.82
56-23-5	Carbon tetrachloride	17.2		1.0	0.21
108-90-7	Chlorobenzene	19.8		1.0	0.38
124-48-1	Chlorodibromomethane	20.2		1.0	0.28
75-00-3	Chloroethane	17.7		1.0	0.32
67-66-3	Chloroform	19.6		1.0	0.33
74-87-3	Chloromethane	19.1		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	20.6		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	23.3		1.0	0.22
110-82-7	Cyclohexane	19.5		1.0	0.32
75-27-4	Dichlorobromomethane	20.2		1.0	0.34
75-71-8	Dichlorodifluoromethane	12.1		1.0	0.31
100-41-4	Ethylbenzene	19.7		1.0	0.30
106-93-4	Ethylene Dibromide	20.1		1.0	0.50
98-82-8	Isopropylbenzene	19.5		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-656120/4
 Matrix: Water Lab File ID: O44141.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 19:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656120 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	38.9		5.0	0.79
1634-04-4	Methyl tert-butyl ether	21.5		1.0	0.47
108-87-2	Methylcyclohexane	19.0		1.0	0.26
75-09-2	Methylene Chloride	19.5		1.0	0.32
100-42-5	Styrene	20.9		1.0	0.42
127-18-4	Tetrachloroethene	16.5		1.0	0.25
108-88-3	Toluene	19.8		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	20.3		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	22.2		1.0	0.49
79-01-6	Trichloroethene	18.7		1.0	0.31
75-69-4	Trichlorofluoromethane	15.4		1.0	0.32
75-01-4	Vinyl chloride	16.8		1.0	0.17
1330-20-7	Xylenes, Total	39.6		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		74-132
460-00-4	4-Bromofluorobenzene	85		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44141.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 17-Nov-2019 19:12:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 460-0101360-004
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 19-Nov-2019 19:32:07 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0307

First Level Reviewer: yallabg

Date: 17-Nov-2019 19:37:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	99	52319	20.0	12.1	
6 Chloromethane	50	0.993	0.985	0.008	98	73544	20.0	19.1	
7 Vinyl chloride	62	1.036	1.035	0.001	97	71219	20.0	16.8	
8 Butadiene	54	1.050	1.050	0.000	94	56388	20.0	15.7	
9 Bromomethane	94	1.207	1.207	0.000	98	39232	20.0	22.7	
10 Chloroethane	64	1.264	1.264	0.000	98	47420	20.0	17.7	
11 Dichlorofluoromethane	67	1.372	1.372	0.000	98	115594	20.0	18.6	
12 Trichlorofluoromethane	101	1.400	1.400	0.000	97	83183	20.0	15.4	
13 Pentane	72	1.450	1.450	0.000	96	20336	40.0	29.4	
14 Ethanol	46	1.522	1.529	-0.007	92	12797	800.0	671.3	
15 Ethyl ether	59	1.565	1.565	0.000	94	54009	20.0	19.8	
17 2-Methyl-1,3-butadiene	53	1.579	1.579	0.000	95	45191	20.0	17.0	
19 Acrolein	56	1.636	1.636	0.000	89	7575	40.0	26.4	M
20 1,1-Dichloroethene	96	1.693	1.693	0.000	96	54698	20.0	16.5	
21 1,1,2-Trichloro-1,2,2-trif	101	1.700	1.700	0.000	99	58066	20.0	16.5	
22 Acetone	58	1.722	1.722	0.000	89	17327	100.0	74.9	
23 Iodomethane	127	1.786	1.786	0.000	96	24579	20.0	13.2	
24 Isopropyl alcohol	45	1.815	1.815	0.000	35	26888	200.0	159.5	
25 Carbon disulfide	76	1.822	1.822	0.000	98	178117	20.0	17.6	
26 3-Chloro-1-propene	76	1.915	1.908	0.007	95	44460	20.0	17.8	
27 Acetonitrile	38	1.915	1.915	0.000	82	17796	200.0	170.6	
28 Methyl acetate	74	1.929	1.929	0.000	98	15214	40.0	38.9	
29 Cyclopentene	67	1.965	1.965	0.000	95	147436	20.0	17.1	
30 Methylene Chloride	84	1.994	1.994	0.000	87	81022	20.0	19.5	
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	99	210266	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.072	2.072	0.000	99	36637	200.0	179.4	
33 Acrylonitrile	53	2.144	2.144	0.000	95	159650	200.0	202.3	
34 trans-1,2-Dichloroethene	96	2.172	2.172	0.000	93	73039	20.0	20.3	
35 Methyl tert-butyl ether	73	2.180	2.180	0.000	97	187008	20.0	21.5	
36 Hexane	57	2.373	2.373	0.000	90	73344	20.0	19.2	
37 1,1-Dichloroethane	63	2.458	2.458	0.000	99	132654	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Vinyl acetate	86	2.501	2.501	0.000	100	26354	40.0	56.8	
39 Isopropyl ether	45	2.523	2.523	0.000	86	220999	20.0	21.1	
40 2-Chloro-1,3-butadiene	88	2.530	2.530	0.000	70	70891	20.0	20.6	
41 Tert-butyl ethyl ether	59	2.802	2.802	0.000	91	198944	20.0	21.1	
* 42 2-Butanone-d5	46	2.866	2.866	0.000	100	279220	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.895	2.895	0.000	96	84705	20.0	20.6	
43 2,2-Dichloropropane	97	2.895	2.895	0.000	68	22526	20.0	22.6	
45 2-Butanone (MEK)	72	2.916	2.909	0.007	98	33575	100.0	98.8	
46 Propionitrile	52	2.952	2.952	0.000	99	14785	200.0	193.0	
47 Ethyl acetate	70	2.973	2.973	0.000	99	12061	40.0	41.3	
48 Methyl acrylate	55	3.002	2.995	0.007	99	52582	20.0	20.3	
49 Methacrylonitrile	67	3.080	3.080	0.000	89	256676	200.0	219.6	
50 Chlorobromomethane	128	3.080	3.080	0.000	85	38837	20.0	19.8	
51 Tetrahydrofuran	42	3.131	3.130	0.001	80	31161	40.0	41.1	
52 Chloroform	83	3.159	3.159	0.000	100	124990	20.0	19.6	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	153411	50.0	51.0	
54 1,1,1-Trichloroethane	97	3.309	3.309	0.000	98	94894	20.0	18.4	
55 Cyclohexane	84	3.359	3.359	0.000	88	98889	20.0	19.5	
56 Carbon tetrachloride	117	3.459	3.459	0.000	95	71827	20.0	17.2	
57 1,1-Dichloropropene	75	3.459	3.459	0.000	99	98793	20.0	19.5	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.581	0.000	0	160000	50.0	50.1	
59 Isobutyl alcohol	43	3.602	3.602	0.000	95	41206	500.0	496.5	
60 Benzene	78	3.638	3.638	0.000	95	309662	20.0	20.6	
61 1,2-Dichloroethane	62	3.653	3.652	0.000	96	89475	20.0	18.4	
62 Isooctane	57	3.738	3.745	-0.007	97	129678	20.0	20.0	
63 Isopropyl acetate	61	3.753	3.753	0.000	98	21617	20.0	22.0	
64 Tert-amyl methyl ether	73	3.767	3.774	-0.007	99	187203	20.0	21.0	
* 65 Fluorobenzene	96	3.910	3.910	0.000	99	820985	50.0	50.0	
66 n-Heptane	43	3.931	3.931	0.000	91	51098	20.0	18.7	
67 n-Butanol	56	4.267	4.267	0.000	85	33937	500.0	590.3	
68 Trichloroethene	95	4.275	4.275	0.000	99	74789	20.0	18.7	
69 Ethyl acrylate	55	4.432	4.432	0.000	99	67889	20.0	17.4	
70 Methylcyclohexane	83	4.475	4.475	0.000	94	96166	20.0	19.0	
71 1,2-Dichloropropane	63	4.503	4.496	0.007	94	83589	20.0	22.6	
73 Dibromomethane	93	4.618	4.618	0.000	96	43494	20.0	20.2	
* 72 1,4-Dioxane-d8	96	4.618	4.625	-0.007	0	44621	1000.0	1000.0	
74 1,4-Dioxane	88	4.675	4.668	0.007	32	17924	400.0	405.4	
75 Methyl methacrylate	100	4.682	4.682	0.000	86	34755	40.0	41.9	
76 n-Propyl acetate	43	4.761	4.761	0.000	97	66393	20.0	19.9	
77 Dichlorobromomethane	83	4.811	4.811	0.000	99	93900	20.0	20.2	
78 2-Nitropropane	41	5.075	5.075	0.000	98	15924	40.0	38.5	
79 2-Chloroethyl vinyl ether	63	5.197	5.197	0.000	93	22160	20.0	35.0	
80 Epichlorohydrin	57	5.240	5.240	0.000	99	101183	400.0	491.4	
81 cis-1,3-Dichloropropene	75	5.340	5.340	0.000	89	122128	20.0	23.3	
82 4-Methyl-2-pentanone (MIBK	43	5.554	5.554	0.000	94	223504	100.0	101.2	
\$ 83 Toluene-d8 (Surr)	98	5.655	5.655	0.000	99	644795	50.0	50.5	
84 Toluene	91	5.740	5.740	0.000	93	333151	20.0	19.8	
85 trans-1,3-Dichloropropene	75	6.048	6.048	0.000	95	97515	20.0	22.2	
86 Ethyl methacrylate	69	6.234	6.227	0.007	89	77451	20.0	22.3	
87 1,1,2-Trichloroethane	83	6.269	6.269	0.000	94	53897	20.0	20.3	
88 Tetrachloroethene	166	6.434	6.434	0.000	96	70621	20.0	16.5	
89 1,3-Dichloropropane	76	6.477	6.477	0.000	91	116380	20.0	21.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
90 2-Hexanone	43	6.663	6.663	0.000	93	158203	100.0	100.8	
91 Chlorodibromomethane	129	6.770	6.777	-0.007	98	65760	20.0	20.2	
92 n-Butyl acetate	43	6.892	6.899	-0.007	98	74481	20.0	20.2	
93 Ethylene Dibromide	107	6.899	6.899	0.000	99	64810	20.0	20.1	
* 94 Chlorobenzene-d5	117	7.585	7.585	0.000	85	654077	50.0	50.0	
95 Chlorobenzene	112	7.621	7.621	0.000	96	220887	20.0	19.8	
96 1,1,1,2-Tetrachloroethane	131	7.771	7.764	0.007	95	63885	20.0	19.0	
97 Ethylbenzene	106	7.835	7.835	0.000	97	114320	20.0	19.7	
98 m-Xylene & p-Xylene	106	8.021	8.021	0.000	100	140279	20.0	19.4	
99 o-Xylene	106	8.608	8.608	0.000	94	140674	20.0	20.1	
100 Styrene	104	8.636	8.636	0.000	96	233143	20.0	20.9	
101 n-Butyl acrylate	73	8.701	8.701	0.000	99	49519	20.0	22.3	
102 Bromoform	173	8.858	8.858	0.000	95	34664	20.0	17.1	
103 Amyl acetate (mixed isomer)	43	9.094	9.094	0.000	92	103490	20.0	22.7	
104 Isopropylbenzene	105	9.215	9.215	0.000	95	323059	20.0	19.5	
\$ 105 4-Bromofluorobenzene	174	9.416	9.416	0.000	88	181648	50.0	42.7	
106 Bromobenzene	156	9.609	9.601	0.008	99	91607	20.0	19.1	
107 1,1,2,2-Tetrachloroethane	83	9.723	9.723	0.000	98	84383	20.0	22.7	
108 1,2,3-Trichloropropane	110	9.745	9.744	0.000	98	23076	20.0	19.4	
109 trans-1,4-Dichloro-2-buten	53	9.823	9.830	-0.007	84	16370	20.0	21.0	
110 N-Propylbenzene	91	9.888	9.887	0.001	99	368231	20.0	20.2	
111 2-Chlorotoluene	91	9.959	9.959	0.000	97	260005	20.0	21.2	
112 4-Ethyltoluene	105	10.088	10.088	0.000	99	322766	20.0	20.7	
113 4-Chlorotoluene	91	10.145	10.145	0.000	97	251077	20.0	20.5	
114 1,3,5-Trimethylbenzene	105	10.209	10.209	0.000	93	271130	20.0	20.9	
115 Butyl Methacrylate	87	10.488	10.495	-0.007	87	97090	20.0	20.8	
116 tert-Butylbenzene	119	10.724	10.724	0.000	95	214046	20.0	19.4	
117 1,2,4-Trimethylbenzene	105	10.810	10.810	0.000	97	272472	20.0	21.2	
118 sec-Butylbenzene	105	11.096	11.096	0.000	99	287938	20.0	20.0	
119 1,3-Dichlorobenzene	146	11.189	11.189	0.000	95	174668	20.0	20.2	
* 120 1,4-Dichlorobenzene-d4	152	11.296	11.296	0.000	95	358744	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.332	11.332	0.000	96	178098	20.0	20.0	
122 4-Isopropyltoluene	119	11.353	11.353	0.000	98	250025	20.0	20.7	
123 1,2,3-Trimethylbenzene	105	11.453	11.453	0.000	98	280929	20.0	21.4	
124 Benzyl chloride	126	11.554	11.553	0.001	99	20653	20.0	17.3	
125 2,3-Dihydroindene	117	11.689	11.689	0.000	95	325457	20.0	22.1	
126 1,2-Dichlorobenzene	146	11.825	11.825	0.000	96	175409	20.0	20.9	
127 p-Diethylbenzene	119	11.882	11.882	0.000	94	126041	20.0	20.1	
128 n-Butylbenzene	92	11.904	11.904	0.000	96	108480	20.0	21.2	
129 1,2-Dibromo-3-Chloropropan	75	12.726	12.726	0.000	94	14728	20.0	22.5	
130 1,2,4,5-Tetramethylbenzene	119	12.748	12.748	0.000	98	270292	20.0	23.6	
131 1,3,5-Trichlorobenzene	180	12.948	12.948	0.000	97	93685	20.0	18.9	
132 1,2,4-Trichlorobenzene	180	13.513	13.513	0.000	94	91312	20.0	20.5	
133 Hexachlorobutadiene	225	13.691	13.691	0.000	94	28852	20.0	18.2	
134 Naphthalene	128	13.713	13.713	0.000	99	241520	20.0	23.6	
135 1,2,3-Trichlorobenzene	180	13.920	13.920	0.000	96	80437	20.0	20.4	
S 137 1,2-Dichloroethene, Total	100				0		40.0	40.9	
S 138 Xylenes, Total	100				0		40.0	39.6	
S 139 Total BTEX	1				0		100.0	99.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260MIX1COMB_00107	Amount Added: 20.00	Units: uL	
ACROLEIN W_00098	Amount Added: 4.00	Units: uL	
GASES Li_00341	Amount Added: 20.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44141.D

Injection Date: 17-Nov-2019 19:12:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

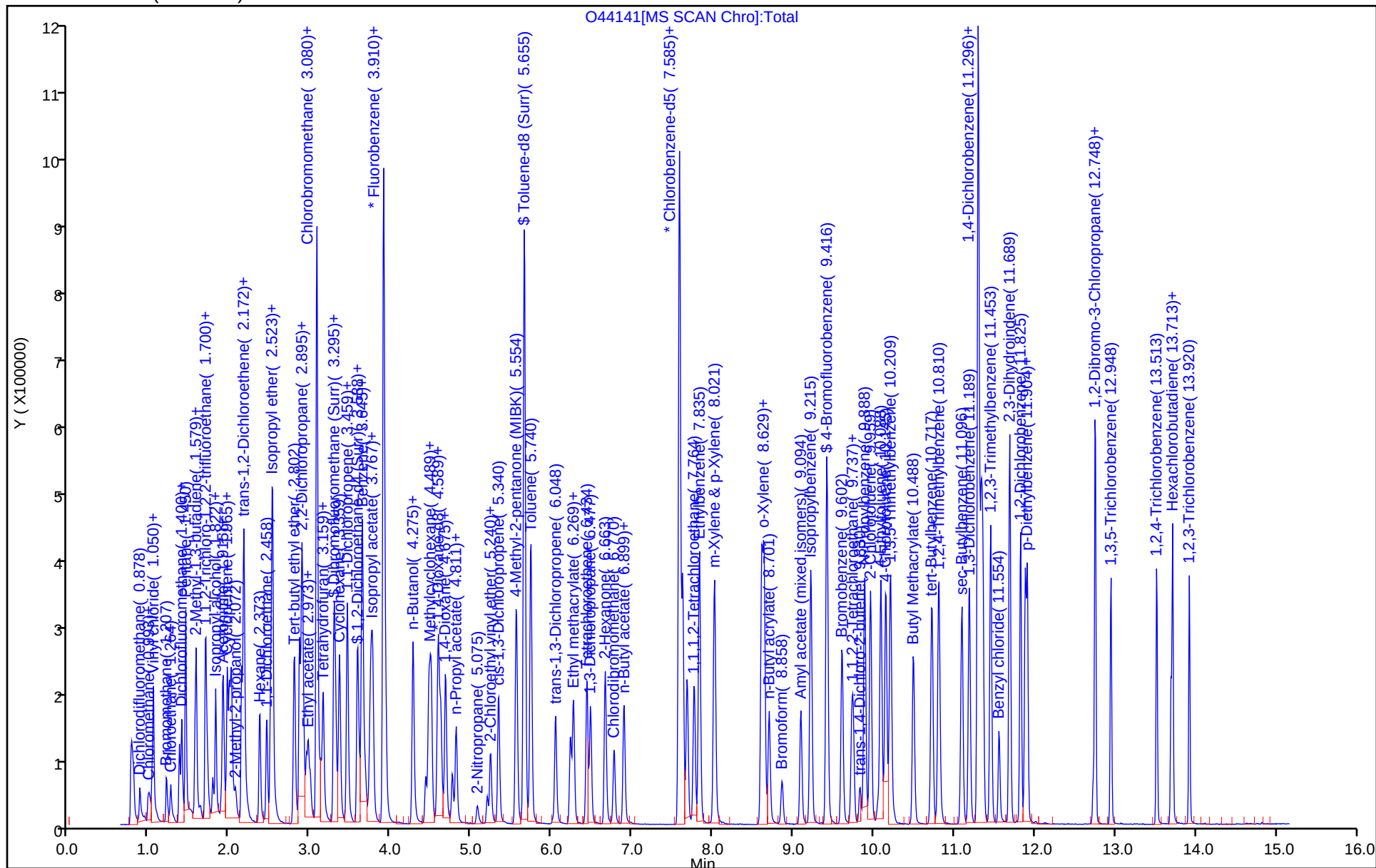
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 460-656120/5
 Matrix: Water Lab File ID: O44142.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 19:37
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656120 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.8		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	23.4		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	21.3		1.0	0.43
75-34-3	1,1-Dichloroethane	21.5		1.0	0.26
75-35-4	1,1-Dichloroethene	17.4		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	20.4		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	22.8		1.0	0.38
95-50-1	1,2-Dichlorobenzene	21.5		1.0	0.43
107-06-2	1,2-Dichloroethane	19.2		1.0	0.43
78-87-5	1,2-Dichloropropane	23.3		1.0	0.35
541-73-1	1,3-Dichlorobenzene	20.4		1.0	0.34
106-46-7	1,4-Dichlorobenzene	20.0		1.0	0.33
78-93-3	2-Butanone (MEK)	99.6		5.0	1.9
591-78-6	2-Hexanone	101		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	101		5.0	1.3
67-64-1	Acetone	81.0		5.0	4.4
71-43-2	Benzene	20.9		1.0	0.20
75-25-2	Bromoform	17.3		1.0	0.54
74-83-9	Bromomethane	22.8		1.0	0.55
75-15-0	Carbon disulfide	18.1		1.0	0.82
56-23-5	Carbon tetrachloride	18.0		1.0	0.21
108-90-7	Chlorobenzene	20.0		1.0	0.38
124-48-1	Chlorodibromomethane	20.5		1.0	0.28
75-00-3	Chloroethane	17.2		1.0	0.32
67-66-3	Chloroform	20.5		1.0	0.33
74-87-3	Chloromethane	19.2		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.1		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	23.9		1.0	0.22
110-82-7	Cyclohexane	19.6		1.0	0.32
75-27-4	Dichlorobromomethane	20.4		1.0	0.34
75-71-8	Dichlorodifluoromethane	12.5		1.0	0.31
100-41-4	Ethylbenzene	19.9		1.0	0.30
106-93-4	Ethylene Dibromide	20.6		1.0	0.50
98-82-8	Isopropylbenzene	19.7		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 460-656120/5
 Matrix: Water Lab File ID: O44142.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 19:37
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656120 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	40.5		5.0	0.79
1634-04-4	Methyl tert-butyl ether	22.2		1.0	0.47
108-87-2	Methylcyclohexane	19.1		1.0	0.26
75-09-2	Methylene Chloride	20.3		1.0	0.32
100-42-5	Styrene	21.6		1.0	0.42
127-18-4	Tetrachloroethene	16.9		1.0	0.25
108-88-3	Toluene	20.0		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	20.8		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	23.3		1.0	0.49
79-01-6	Trichloroethene	19.4		1.0	0.31
75-69-4	Trichlorofluoromethane	16.4		1.0	0.32
75-01-4	Vinyl chloride	17.2		1.0	0.17
1330-20-7	Xylenes, Total	40.6		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
460-00-4	4-Bromofluorobenzene	87		77-124
1868-53-7	Dibromofluoromethane (Surr)	103		72-131
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44142.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 17-Nov-2019 19:37:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCSD
 Misc. Info.: 460-0101360-005
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 19-Nov-2019 19:32:07 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0307

First Level Reviewer: asfawa

Date: 19-Nov-2019 05:59:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	98	53688	20.0	12.5	
6 Chloromethane	50	0.993	0.985	0.008	97	73460	20.0	19.2	
7 Vinyl chloride	62	1.035	1.035	0.000	97	72009	20.0	17.2	
8 Butadiene	54	1.050	1.050	0.000	94	59994	20.0	16.9	
9 Bromomethane	94	1.214	1.207	0.007	99	41565	20.0	22.8	
10 Chloroethane	64	1.264	1.264	0.000	99	45649	20.0	17.2	
11 Dichlorofluoromethane	67	1.372	1.372	0.000	98	117697	20.0	19.1	
12 Trichlorofluoromethane	101	1.400	1.400	0.000	97	87795	20.0	16.4	
13 Pentane	72	1.450	1.450	0.000	97	20432	40.0	29.8	
14 Ethanol	46	1.536	1.529	0.007	65	13249	800.0	660.4	
15 Ethyl ether	59	1.565	1.565	0.000	94	54006	20.0	19.9	
17 2-Methyl-1,3-butadiene	53	1.579	1.579	0.000	94	44060	20.0	16.7	
19 Acrolein	56	1.636	1.636	0.000	81	9114	40.0	30.2	M
20 1,1-Dichloroethene	96	1.693	1.693	0.000	97	57244	20.0	17.4	
21 1,1,2-Trichloro-1,2,2-trif	101	1.700	1.700	0.000	98	57486	20.0	16.5	
22 Acetone	58	1.722	1.722	0.000	89	19825	100.0	81.0	
23 Iodomethane	127	1.786	1.786	0.000	97	25335	20.0	13.7	
24 Isopropyl alcohol	45	1.815	1.815	0.000	24	28228	200.0	159.1	
25 Carbon disulfide	76	1.822	1.822	0.000	98	181597	20.0	18.1	
26 3-Chloro-1-propene	76	1.915	1.908	0.007	95	46797	20.0	18.9	
27 Acetonitrile	38	1.908	1.915	-0.007	83	17076	200.0	155.3	
28 Methyl acetate	74	1.929	1.929	0.000	98	16651	40.0	40.5	
29 Cyclopentene	67	1.965	1.965	0.000	94	153648	20.0	17.9	
30 Methylene Chloride	84	1.994	1.994	0.000	87	83642	20.0	20.3	
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	100	221307	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.072	2.072	0.000	100	39853	200.0	185.4	
33 Acrylonitrile	53	2.144	2.144	0.000	96	175415	200.0	224.0	
34 trans-1,2-Dichloroethene	96	2.172	2.172	0.000	93	74420	20.0	20.8	
35 Methyl tert-butyl ether	73	2.180	2.180	0.000	98	191711	20.0	22.2	
36 Hexane	57	2.373	2.373	0.000	91	73097	20.0	19.3	
37 1,1-Dichloroethane	63	2.458	2.458	0.000	99	134313	20.0	21.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Vinyl acetate	86	2.508	2.501	0.007	100	28542	40.0	58.1	
39 Isopropyl ether	45	2.523	2.523	0.000	86	226687	20.0	21.8	
40 2-Chloro-1,3-butadiene	88	2.530	2.530	0.000	87	68068	20.0	19.9	
41 Tert-butyl ethyl ether	59	2.802	2.802	0.000	90	207274	20.0	22.2	
* 42 2-Butanone-d5	46	2.866	2.866	0.000	100	295316	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.895	2.895	0.000	97	86124	20.0	21.1	
43 2,2-Dichloropropane	97	2.895	2.895	0.000	68	21989	20.0	22.3	
45 2-Butanone (MEK)	72	2.916	2.909	0.007	99	35800	100.0	99.6	
46 Propionitrile	52	2.952	2.952	0.000	99	15630	200.0	193.9	
47 Ethyl acetate	70	2.973	2.973	0.000	100	12361	40.0	40.0	
48 Methyl acrylate	55	3.002	2.995	0.007	99	55237	20.0	21.5	
49 Methacrylonitrile	67	3.080	3.080	0.000	90	266544	200.0	229.8	
50 Chlorobromomethane	128	3.080	3.080	0.000	75	40945	20.0	21.1	
51 Tetrahydrofuran	42	3.130	3.130	0.000	79	33591	40.0	41.9	
52 Chloroform	83	3.159	3.159	0.000	99	129792	20.0	20.5	
\$ 53 Dibromofluoromethane (Surr	113	3.295	3.288	0.007	97	153927	50.0	51.6	
54 1,1,1-Trichloroethane	97	3.309	3.309	0.000	98	96419	20.0	18.8	
55 Cyclohexane	84	3.359	3.359	0.000	88	98798	20.0	19.6	
56 Carbon tetrachloride	117	3.459	3.459	0.000	95	74288	20.0	18.0	
57 1,1-Dichloropropene	75	3.459	3.459	0.000	99	99593	20.0	19.8	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.588	3.581	0.007	0	155627	50.0	49.1	
59 Isobutyl alcohol	43	3.602	3.602	0.000	92	46283	500.0	529.8	
60 Benzene	78	3.645	3.638	0.007	95	314398	20.0	20.9	
61 1,2-Dichloroethane	62	3.652	3.652	0.000	97	92757	20.0	19.2	
62 Isooctane	57	3.738	3.745	-0.007	97	131053	20.0	20.3	
63 Isopropyl acetate	61	3.753	3.753	0.000	97	20928	20.0	21.5	
64 Tert-amyl methyl ether	73	3.774	3.774	0.000	98	195194	20.0	22.1	
* 65 Fluorobenzene	96	3.910	3.910	0.000	99	814565	50.0	50.0	
66 n-Heptane	43	3.931	3.931	0.000	90	51731	20.0	19.1	
67 n-Butanol	56	4.267	4.267	0.000	92	34176	500.0	564.8	
68 Trichloroethene	95	4.275	4.275	0.000	98	76760	20.0	19.4	
69 Ethyl acrylate	55	4.432	4.432	0.000	98	70227	20.0	18.2	
70 Methylcyclohexane	83	4.475	4.475	0.000	96	96172	20.0	19.1	
71 1,2-Dichloropropane	63	4.503	4.496	0.007	95	85471	20.0	23.3	
73 Dibromomethane	93	4.618	4.618	0.000	98	43696	20.0	20.5	
* 72 1,4-Dioxane-d8	96	4.618	4.625	-0.007	0	44287	1000.0	1000.0	
74 1,4-Dioxane	88	4.668	4.668	0.000	31	18919	400.0	431.1	
75 Methyl methacrylate	100	4.682	4.682	0.000	86	36676	40.0	44.6	
76 n-Propyl acetate	43	4.761	4.761	0.000	97	68550	20.0	20.7	
77 Dichlorobromomethane	83	4.811	4.811	0.000	99	93887	20.0	20.4	
78 2-Nitropropane	41	5.075	5.075	0.000	97	16982	40.0	41.4	
79 2-Chloroethyl vinyl ether	63	5.197	5.197	0.000	95	21566	20.0	34.3	
80 Epichlorohydrin	57	5.240	5.240	0.000	99	99427	400.0	456.5	
81 cis-1,3-Dichloropropene	75	5.340	5.340	0.000	89	125127	20.0	23.9	
82 4-Methyl-2-pentanone (MIBK	43	5.554	5.554	0.000	94	236522	100.0	101.2	
\$ 83 Toluene-d8 (Surr)	98	5.655	5.655	0.000	100	650000	50.0	50.9	
84 Toluene	91	5.740	5.740	0.000	94	336537	20.0	20.0	
85 trans-1,3-Dichloropropene	75	6.048	6.048	0.000	95	102026	20.0	23.3	
86 Ethyl methacrylate	69	6.234	6.227	0.007	89	81193	20.0	23.4	
87 1,1,2-Trichloroethane	83	6.269	6.269	0.000	95	56648	20.0	21.3	
88 Tetrachloroethene	166	6.434	6.434	0.000	97	72445	20.0	16.9	
89 1,3-Dichloropropane	76	6.477	6.477	0.000	90	118600	20.0	21.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
90 2-Hexanone	43	6.663	6.663	0.000	93	168138	100.0	101.3	
91 Chlorodibromomethane	129	6.770	6.777	-0.007	98	66702	20.0	20.5	
92 n-Butyl acetate	43	6.892	6.899	-0.007	98	78968	20.0	21.5	
93 Ethylene Dibromide	107	6.899	6.899	0.000	96	66394	20.0	20.6	
* 94 Chlorobenzene-d5	117	7.585	7.585	0.000	85	653660	50.0	50.0	
95 Chlorobenzene	112	7.628	7.621	0.007	96	222879	20.0	20.0	
96 1,1,1,2-Tetrachloroethane	131	7.771	7.764	0.007	95	66578	20.0	19.8	
97 Ethylbenzene	106	7.835	7.835	0.000	97	115415	20.0	19.9	
98 m-Xylene & p-Xylene	106	8.021	8.021	0.000	100	144781	20.0	20.1	
99 o-Xylene	106	8.608	8.608	0.000	95	143333	20.0	20.5	
100 Styrene	104	8.636	8.636	0.000	96	240766	20.0	21.6	
101 n-Butyl acrylate	73	8.701	8.701	0.000	99	49911	20.0	22.5	
102 Bromoform	173	8.858	8.858	0.000	95	34906	20.0	17.3	
103 Amyl acetate (mixed isomer)	43	9.094	9.094	0.000	92	106628	20.0	23.5	
104 Isopropylbenzene	105	9.215	9.215	0.000	95	327000	20.0	19.7	
\$ 105 4-Bromofluorobenzene	174	9.416	9.416	0.000	88	185005	50.0	43.5	
106 Bromobenzene	156	9.609	9.601	0.008	98	93203	20.0	19.5	
107 1,1,2,2-Tetrachloroethane	83	9.723	9.723	0.000	98	86463	20.0	23.4	
108 1,2,3-Trichloropropane	110	9.744	9.744	0.000	98	24153	20.0	20.4	
109 trans-1,4-Dichloro-2-buten	53	9.830	9.830	0.000	87	16742	20.0	21.6	
110 N-Propylbenzene	91	9.887	9.887	0.000	99	369028	20.0	20.4	
111 2-Chlorotoluene	91	9.959	9.959	0.000	97	262234	20.0	21.5	
112 4-Ethyltoluene	105	10.088	10.088	0.000	99	323247	20.0	20.8	
113 4-Chlorotoluene	91	10.152	10.145	0.007	96	257659	20.0	21.1	
114 1,3,5-Trimethylbenzene	105	10.209	10.209	0.000	93	270116	20.0	20.9	
115 Butyl Methacrylate	87	10.495	10.495	0.000	87	99339	20.0	21.4	
116 tert-Butylbenzene	119	10.724	10.724	0.000	95	217101	20.0	19.8	
117 1,2,4-Trimethylbenzene	105	10.810	10.810	0.000	97	272028	20.0	21.3	
118 sec-Butylbenzene	105	11.096	11.096	0.000	99	292724	20.0	20.4	
119 1,3-Dichlorobenzene	146	11.189	11.189	0.000	96	175897	20.0	20.4	
* 120 1,4-Dichlorobenzene-d4	152	11.296	11.296	0.000	95	357065	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.332	11.332	0.000	96	177206	20.0	20.0	
122 4-Isopropyltoluene	119	11.353	11.353	0.000	98	247631	20.0	20.6	
123 1,2,3-Trimethylbenzene	105	11.453	11.453	0.000	98	285954	20.0	21.9	
124 Benzyl chloride	126	11.561	11.553	0.008	99	20477	20.0	17.2	
125 2,3-Dihydroindene	117	11.689	11.689	0.000	94	324789	20.0	22.1	
126 1,2-Dichlorobenzene	146	11.825	11.825	0.000	96	180134	20.0	21.5	
127 p-Diethylbenzene	119	11.882	11.882	0.000	93	127772	20.0	20.5	
128 n-Butylbenzene	92	11.911	11.904	0.007	97	108901	20.0	21.3	
129 1,2-Dibromo-3-Chloropropan	75	12.726	12.726	0.000	93	14848	20.0	22.8	
130 1,2,4,5-Tetramethylbenzene	119	12.755	12.748	0.007	98	274460	20.0	24.0	
131 1,3,5-Trichlorobenzene	180	12.948	12.948	0.000	98	95000	20.0	19.2	
132 1,2,4-Trichlorobenzene	180	13.513	13.513	0.000	93	90534	20.0	20.4	
133 Hexachlorobutadiene	225	13.691	13.691	0.000	90	26447	20.0	16.7	
134 Naphthalene	128	13.713	13.713	0.000	99	252475	20.0	24.8	
135 1,2,3-Trichlorobenzene	180	13.920	13.920	0.000	95	82012	20.0	20.9	
S 137 1,2-Dichloroethene, Total	100				0		40.0	41.9	
S 138 Xylenes, Total	100				0		40.0	40.6	
S 139 Total BTEX	1				0		100.0	101.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260MIX1COMB_00107	Amount Added: 20.00	Units: uL	
ACROLEIN W_00098	Amount Added: 4.00	Units: uL	
GASES Li_00341	Amount Added: 20.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44142.D

Injection Date: 17-Nov-2019 19:37:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: LCSD

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

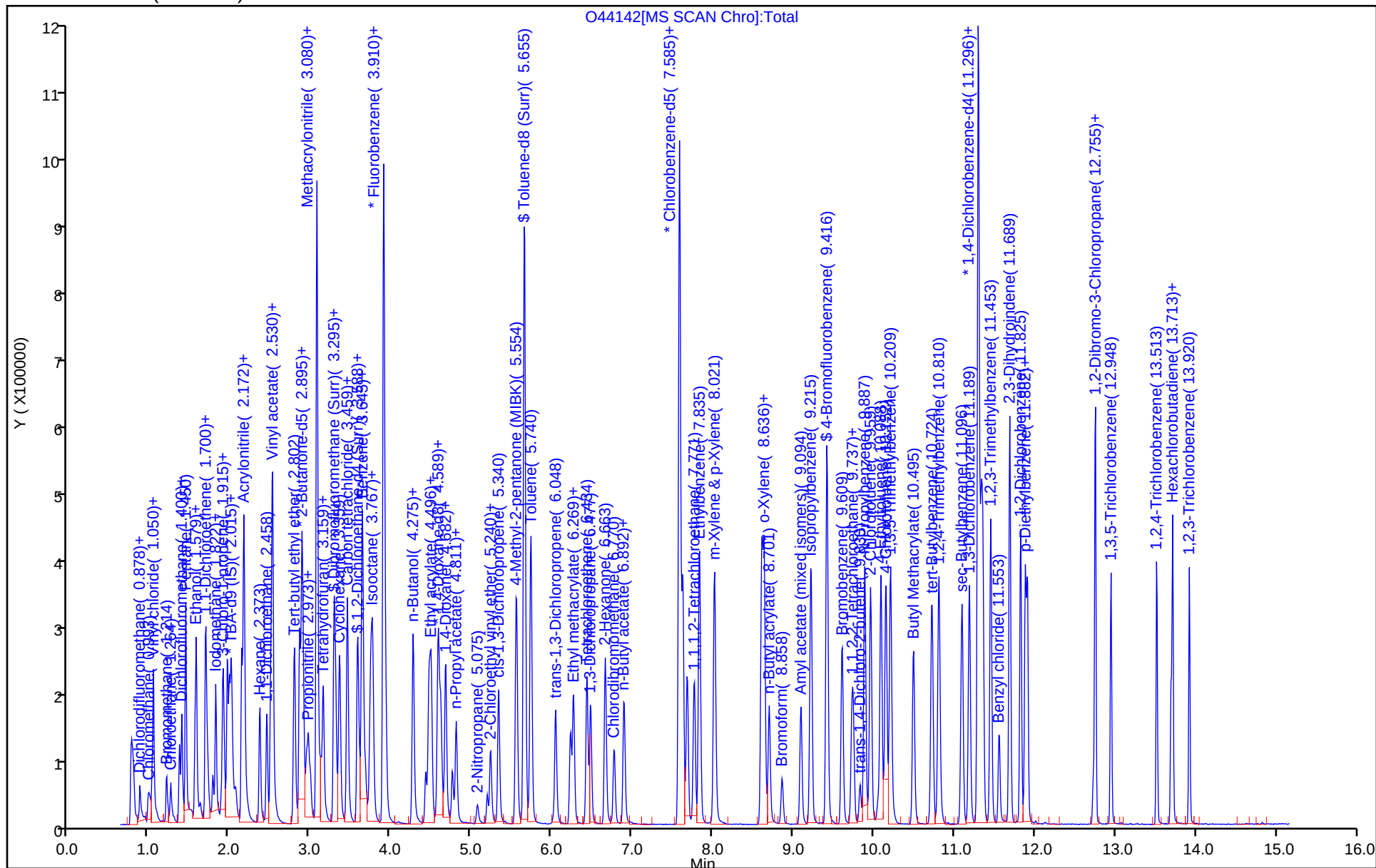
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Edison</u>	Job No.: <u>460-196269-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-12 MS</u>	Lab Sample ID: <u>460-196269-1 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>O44125.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>11/05/2019 09:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>11/17/2019 11:17</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>656031</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.4		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	20.0		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16.9		1.0	0.31
79-00-5	1,1,2-Trichloroethane	18.3		1.0	0.43
75-34-3	1,1-Dichloroethane	19.5		1.0	0.26
75-35-4	1,1-Dichloroethene	18.0		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	16.3		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		1.0	0.38
95-50-1	1,2-Dichlorobenzene	18.5		1.0	0.43
107-06-2	1,2-Dichloroethane	16.8		1.0	0.43
78-87-5	1,2-Dichloropropane	20.4		1.0	0.35
541-73-1	1,3-Dichlorobenzene	18.1		1.0	0.34
106-46-7	1,4-Dichlorobenzene	17.6		1.0	0.33
78-93-3	2-Butanone (MEK)	84.8		5.0	1.9
591-78-6	2-Hexanone	86.6		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	88.9		5.0	1.3
67-64-1	Acetone	67.0		5.0	4.4
71-43-2	Benzene	20.0		1.0	0.20
75-25-2	Bromoform	14.9		1.0	0.54
74-83-9	Bromomethane	19.8		1.0	0.55
75-15-0	Carbon disulfide	18.1		1.0	0.82
56-23-5	Carbon tetrachloride	17.4		1.0	0.21
108-90-7	Chlorobenzene	18.2		1.0	0.38
124-48-1	Chlorodibromomethane	17.5		1.0	0.28
75-00-3	Chloroethane	19.4		1.0	0.32
67-66-3	Chloroform	18.6		1.0	0.33
74-87-3	Chloromethane	21.2		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	26.6		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	20.5		1.0	0.22
110-82-7	Cyclohexane	20.5		1.0	0.32
75-27-4	Dichlorobromomethane	17.8		1.0	0.34
75-71-8	Dichlorodifluoromethane	17.7		1.0	0.31
100-41-4	Ethylbenzene	19.0		1.0	0.30
106-93-4	Ethylene Dibromide	17.8		1.0	0.50
98-82-8	Isopropylbenzene	18.8		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: MW-12 MS Lab Sample ID: 460-196269-1 MS
 Matrix: Water Lab File ID: O44125.D
 Analysis Method: 8260C Date Collected: 11/05/2019 09:40
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 11:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656031 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	35.3		5.0	0.79
1634-04-4	Methyl tert-butyl ether	19.5		1.0	0.47
108-87-2	Methylcyclohexane	19.8		1.0	0.26
75-09-2	Methylene Chloride	17.5		1.0	0.32
100-42-5	Styrene	19.3		1.0	0.42
127-18-4	Tetrachloroethene	47.4		1.0	0.25
108-88-3	Toluene	19.3		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	21.0		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.4		1.0	0.49
79-01-6	Trichloroethene	27.9		1.0	0.31
75-69-4	Trichlorofluoromethane	18.2		1.0	0.32
75-01-4	Vinyl chloride	19.9		1.0	0.17
1330-20-7	Xylenes, Total	38.0		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		74-132
460-00-4	4-Bromofluorobenzene	84		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44125.D
 Lims ID: 460-196269-C-1 MS
 Client ID: MW-12
 Sample Type: MS
 Inject. Date: 17-Nov-2019 11:17:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-196269-C-1 MS
 Misc. Info.: 460-0101333-018
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 18-Nov-2019 09:28:22 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0316

First Level Reviewer: yallabg

Date: 17-Nov-2019 20:17:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.857	0.864	-0.007	86	16218		11.4	
3 1,1-Difluoroethane	65	0.871	0.871	0.000	91	32731		14.4	a
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	99	76973	20.0	17.7	
5 Chlorodifluoromethane	67	0.892	0.900	-0.008	96	11139		13.0	
6 Chloromethane	50	0.985	0.985	0.000	98	82119	20.0	21.2	
7 Vinyl chloride	62	1.035	1.028	0.007	98	84505	20.0	19.9	
8 Butadiene	54	1.042	1.043	-0.001	94	67973	20.0	18.9	
9 Bromomethane	94	1.207	1.207	0.000	99	35980	20.0	19.8	
10 Chloroethane	64	1.264	1.257	0.007	99	52234	20.0	19.4	
11 Dichlorofluoromethane	67	1.371	1.364	0.007	99	123266	20.0	19.8	
12 Trichlorofluoromethane	101	1.400	1.393	0.007	98	98594	20.0	18.2	
13 Pentane	72	1.450	1.443	0.007	97	21376	40.0	30.8	
14 Ethanol	46	1.514	1.522	-0.008	93	12709	800.0	661.3	
15 Ethyl ether	59	1.564	1.557	0.007	95	49252	20.0	17.9	
16 1,2-Dichloro-1,1,2-trifluo	117	1.564	1.572	-0.008	88	40752		14.4	
17 2-Methyl-1,3-butadiene	53	1.579	1.579	0.000	94	47100	20.0	17.6	
18 1,1,1-Trifluoro-2,2-dichlo	83	1.600	1.607	-0.007	96	80494		16.3	
19 Acrolein	56	1.629	1.629	0.000	80	7343	40.0	25.4	
20 1,1-Dichloroethene	96	1.693	1.686	0.007	96	59794	20.0	18.0	
21 1,1,2-Trichloro-1,2,2-trif	101	1.700	1.700	0.000	97	59649	20.0	16.9	
22 Acetone	58	1.722	1.722	0.000	89	16307	100.0	67.0	
23 Iodomethane	127	1.786	1.779	0.007	98	18993	20.0	10.1	
24 Isopropyl alcohol	45	1.808	1.808	0.000	48	27780	200.0	163.5	
25 Carbon disulfide	76	1.822	1.815	0.007	98	184072	20.0	18.1	
27 Acetonitrile	38	1.908	1.908	0.000	81	16023	200.0	152.1	
26 3-Chloro-1-propene	76	1.908	1.908	0.000	95	44045	20.0	17.5	
28 Methyl acetate	74	1.922	1.922	0.000	98	13902	40.0	35.3	
29 Cyclopentene	67	1.965	1.965	0.000	96	159069	20.0	18.3	
30 Methylene Chloride	84	1.986	1.986	0.000	87	73082	20.0	17.5	
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	99	211994	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.065	2.065	0.000	99	33131	200.0	160.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Acrylonitrile	53	2.144	2.137	0.008	95	149438	200.0	188.4	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	93	76075	20.0	21.0	
35 Methyl tert-butyl ether	73	2.172	2.172	0.000	97	170733	20.0	19.5	
36 Hexane	57	2.365	2.365	0.000	90	76913	20.0	20.1	
37 1,1-Dichloroethane	63	2.451	2.451	0.000	99	123438	20.0	19.5	
38 Vinyl acetate	86	2.501	2.501	0.000	100	20932	40.0	42.9	
39 Isopropyl ether	45	2.523	2.523	0.000	89	206328	20.0	19.6	
40 2-Chloro-1,3-butadiene	88	2.523	2.523	0.000	84	68843	20.0	19.9	
41 Tert-butyl ethyl ether	59	2.794	2.794	0.000	92	178920	20.0	18.9	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	100	293681	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	97	109826	20.0	26.6	
43 2,2-Dichloropropane	97	2.894	2.887	0.007	55	20993	20.0	21.0	
45 2-Butanone (MEK)	72	2.909	2.909	0.000	99	30325	100.0	84.8	
46 Propionitrile	52	2.944	2.944	0.000	98	12620	200.0	163.4	
47 Ethyl acetate	70	2.973	2.966	0.007	99	11014	40.0	35.9	
48 Methyl acrylate	55	2.994	2.995	-0.001	98	47609	20.0	18.3	
49 Methacrylonitrile	67	3.073	3.073	0.000	90	235787	200.0	200.7	
50 Chlorobromomethane	128	3.080	3.073	0.007	87	34689	20.0	17.6	
51 Tetrahydrofuran	42	3.123	3.123	0.000	79	29454	40.0	36.8	
52 Chloroform	83	3.152	3.152	0.000	100	119383	20.0	18.6	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	153473	50.0	50.8	
54 1,1,1-Trichloroethane	97	3.309	3.302	0.007	97	95668	20.0	18.4	
55 Cyclohexane	84	3.359	3.352	0.007	88	104710	20.0	20.5	
56 Carbon tetrachloride	117	3.452	3.452	0.000	71	72941	20.0	17.4	
57 1,1-Dichloropropene	75	3.452	3.452	0.000	98	100188	20.0	19.6	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.574	0.007	0	160821	50.0	50.1	
59 Isobutyl alcohol	43	3.595	3.595	0.000	89	38024	500.0	454.4	
60 Benzene	78	3.638	3.631	0.007	94	297609	20.0	20.0	
61 1,2-Dichloroethane	62	3.645	3.645	0.000	97	82091	20.0	16.8	
62 Isooctane	57	3.738	3.738	0.000	95	130949	20.0	20.1	
63 Isopropyl acetate	61	3.745	3.745	0.000	98	18103	20.0	18.3	
64 Tert-amyl methyl ether	73	3.767	3.767	0.000	99	170541	20.0	19.1	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	825025	50.0	50.0	
66 n-Heptane	43	3.924	3.924	0.000	89	50234	20.0	18.3	
67 n-Butanol	56	4.260	4.260	0.000	39	28979	500.0	500.0	
68 Trichloroethene	95	4.267	4.267	0.000	98	111953	20.0	27.9	
69 Ethyl acrylate	55	4.425	4.425	0.000	98	58896	20.0	15.1	
70 Methylcyclohexane	83	4.467	4.467	0.000	95	100678	20.0	19.8	
71 1,2-Dichloropropane	63	4.496	4.489	0.007	94	75949	20.0	20.4	
73 Dibromomethane	93	4.610	4.610	0.000	98	38992	20.0	18.0	
* 72 1,4-Dioxane-d8	96	4.610	4.610	0.000	0	44246	1000.0	1000.0	
74 1,4-Dioxane	88	4.675	4.661	0.014	32	16126	400.0	367.8	
75 Methyl methacrylate	100	4.675	4.675	0.000	86	31880	40.0	38.2	
76 n-Propyl acetate	43	4.761	4.753	0.008	97	59045	20.0	17.6	
77 Dichlorobromomethane	83	4.803	4.804	-0.001	99	83241	20.0	17.8	
78 2-Nitropropane	41	5.068	5.068	0.000	95	12862	40.0	30.9	
80 Epichlorohydrin	57	5.233	5.225	0.007	98	73866	400.0	341.1	
81 cis-1,3-Dichloropropene	75	5.333	5.326	0.007	90	105995	20.0	20.5	
82 4-Methyl-2-pentanone (MIBK	43	5.554	5.547	0.007	94	206620	100.0	88.9	
\$ 83 Toluene-d8 (Surr)	98	5.654	5.647	0.007	100	645153	50.0	51.0	
84 Toluene	91	5.733	5.733	0.000	94	320509	20.0	19.3	
85 trans-1,3-Dichloropropene	75	6.040	6.041	-0.001	95	79862	20.0	18.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Ethyl methacrylate	69	6.226	6.219	0.007	89	67385	20.0	19.6	
87 1,1,2-Trichloroethane	83	6.262	6.262	0.000	94	48272	20.0	18.3	
88 Tetrachloroethene	166	6.427	6.427	0.000	96	200918	20.0	47.4	
89 1,3-Dichloropropane	76	6.477	6.470	0.007	89	105677	20.0	19.6	
90 2-Hexanone	43	6.655	6.655	0.000	94	143003	100.0	86.6	
91 Chlorodibromomethane	129	6.770	6.763	0.007	98	56278	20.0	17.5	
92 n-Butyl acetate	43	6.891	6.884	0.007	99	67160	20.0	18.4	
93 Ethylene Dibromide	107	6.891	6.891	0.000	100	56635	20.0	17.8	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	85	647429	50.0	50.0	
95 Chlorobenzene	112	7.621	7.614	0.007	96	201305	20.0	18.2	
96 1,1,1,2-Tetrachloroethane	131	7.764	7.764	0.000	96	57398	20.0	17.3	
97 Ethylbenzene	106	7.828	7.821	0.007	97	108975	20.0	19.0	
98 m-Xylene & p-Xylene	106	8.014	8.014	0.000	100	134301	20.0	18.8	
99 o-Xylene	106	8.600	8.600	0.000	95	132563	20.0	19.1	
100 Styrene	104	8.629	8.629	0.000	97	212664	20.0	19.3	
101 n-Butyl acrylate	73	8.693	8.693	0.000	98	40353	20.0	18.4	
102 Bromoform	173	8.858	8.851	0.007	96	29843	20.0	14.9	
103 Amyl acetate (mixed isomer	43	9.086	9.087	-0.001	92	86293	20.0	19.1	
104 Isopropylbenzene	105	9.215	9.208	0.007	95	308224	20.0	18.8	
\$ 105 4-Bromofluorobenzene	174	9.415	9.408	0.007	90	176517	50.0	41.9	
106 Bromobenzene	156	9.601	9.594	0.007	99	82786	20.0	17.4	
107 1,1,2,2-Tetrachloroethane	83	9.723	9.716	0.007	98	73674	20.0	20.0	
108 1,2,3-Trichloropropane	110	9.744	9.737	0.007	98	20648	20.0	17.5	
109 trans-1,4-Dichloro-2-buten	53	9.830	9.816	0.014	83	14722	20.0	19.1	
110 N-Propylbenzene	91	9.880	9.880	0.000	100	357473	20.0	19.9	
111 2-Chlorotoluene	91	9.952	9.952	0.000	97	231792	20.0	19.1	
112 4-Ethyltoluene	105	10.080	10.080	0.000	99	301023	20.0	19.5	
113 4-Chlorotoluene	91	10.145	10.138	0.007	97	225667	20.0	18.6	
114 1,3,5-Trimethylbenzene	105	10.202	10.195	0.007	93	245970	20.0	19.2	
115 Butyl Methacrylate	87	10.488	10.488	0.000	87	75570	20.0	16.3	
116 tert-Butylbenzene	119	10.717	10.710	0.007	95	201931	20.0	18.5	
117 1,2,4-Trimethylbenzene	105	10.803	10.795	0.008	97	244118	20.0	19.2	
118 sec-Butylbenzene	105	11.089	11.089	0.000	99	278790	20.0	19.6	
119 1,3-Dichlorobenzene	146	11.182	11.182	0.000	96	155227	20.0	18.1	
* 120 1,4-Dichlorobenzene-d4	152	11.296	11.289	0.007	95	355007	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.325	11.325	-0.001	96	154640	20.0	17.6	
122 4-Isopropyltoluene	119	11.346	11.346	0.000	98	228462	20.0	19.1	
123 1,2,3-Trimethylbenzene	105	11.446	11.446	0.000	98	251456	20.0	19.3	
124 Benzyl chloride	126	11.553	11.546	0.007	99	15138	20.0	12.8	
125 2,3-Dihydroindene	117	11.682	11.682	0.000	95	287457	20.0	19.7	
126 1,2-Dichlorobenzene	146	11.818	11.818	0.000	96	153485	20.0	18.5	
127 p-Diethylbenzene	119	11.875	11.875	0.000	92	112114	20.0	18.1	
128 n-Butylbenzene	92	11.904	11.897	0.007	97	99554	20.0	19.6	
129 1,2-Dibromo-3-Chloropropan	75	12.726	12.719	0.007	94	12523	20.0	19.3	
130 1,2,4,5-Tetramethylbenzene	119	12.747	12.747	0.000	97	227230	20.0	20.0	
131 1,3,5-Trichlorobenzene	180	12.940	12.941	-0.001	97	78100	20.0	15.9	
132 1,2,4-Trichlorobenzene	180	13.512	13.513	-0.001	94	71837	20.0	16.3	
133 Hexachlorobutadiene	225	13.691	13.691	0.000	95	24500	20.0	15.6	
134 Naphthalene	128	13.713	13.706	0.007	99	200113	20.0	19.8	
135 1,2,3-Trichlorobenzene	180	13.920	13.913	0.007	97	64498	20.0	16.5	
S 137 1,2-Dichloroethene, Total	100				0		40.0	47.6	
S 138 Xylenes, Total	100				0		40.0	38.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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S 139 Total BTEX

1

0

100.0

96.1

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00107

Amount Added: 20.00

Units: uL

ACROLEIN W_00098

Amount Added: 4.00

Units: uL

GASES Li_00341

Amount Added: 20.00

Units: uL

8260ISNEW_00127

Amount Added: 1.00

Units: uL

Run Reagent

8260SURR250_00203

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44125.D

Injection Date: 17-Nov-2019 11:17:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: 460-196269-C-1 MS

Worklist Smp#: 18

Client ID: MW-12

Purge Vol: 5.000 mL

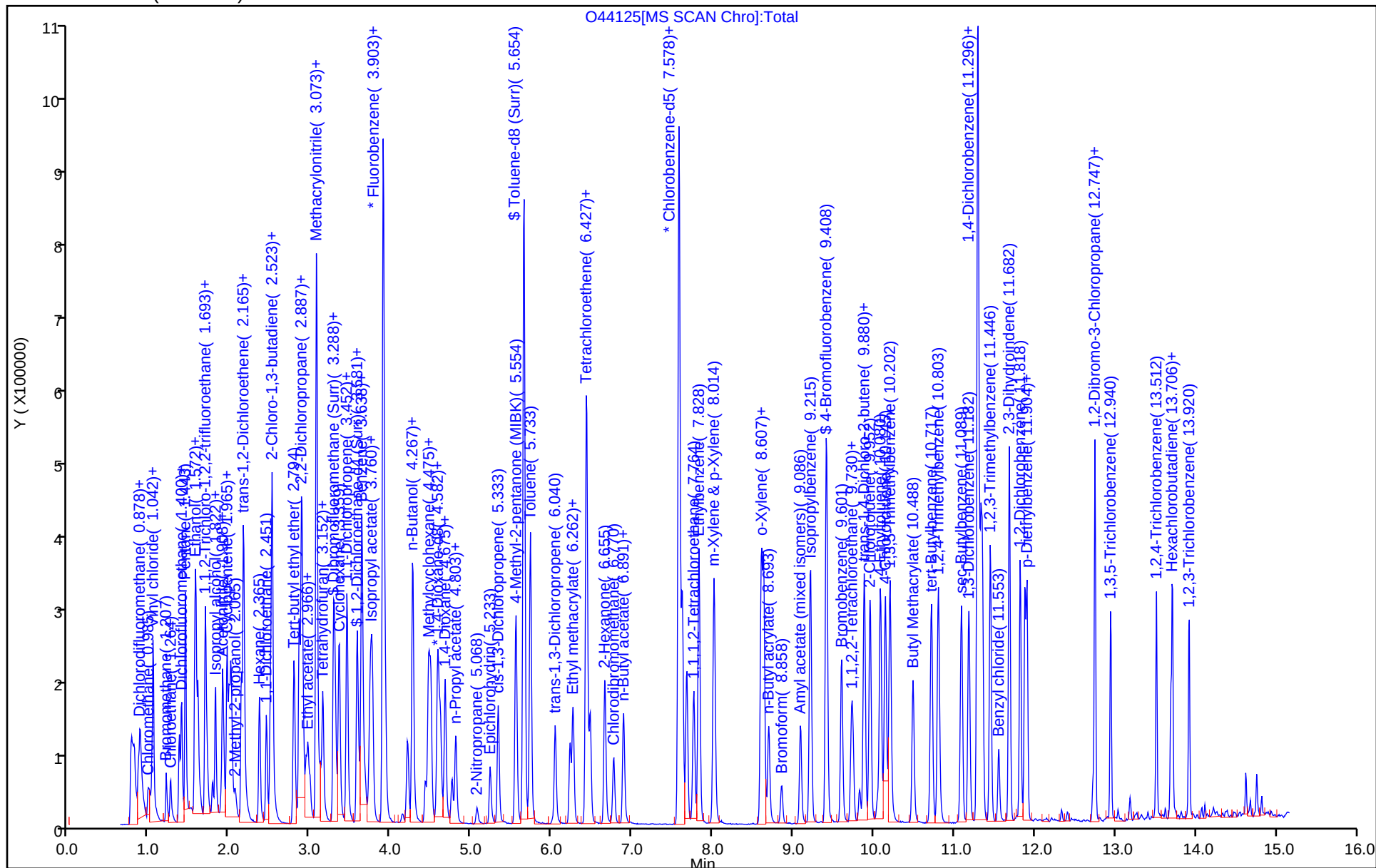
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1

SDG No.: _____

Client Sample ID: MW-10 MS Lab Sample ID: 460-196269-3 MS

Matrix: Water Lab File ID: O44162.D

Analysis Method: 8260C Date Collected: 11/05/2019 10:50

Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2019 04:50

Soil Aliquot Vol: _____ Dilution Factor: 10

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

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

Analysis Batch No.: 656120 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	197		10	2.4
79-34-5	1,1,2,2-Tetrachloroethane	215		10	3.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	188		10	3.1
79-00-5	1,1,2-Trichloroethane	199		10	4.3
75-34-3	1,1-Dichloroethane	210		10	2.6
75-35-4	1,1-Dichloroethene	189		10	2.6
120-82-1	1,2,4-Trichlorobenzene	176		10	3.7
96-12-8	1,2-Dibromo-3-Chloropropane	198		10	3.8
95-50-1	1,2-Dichlorobenzene	198		10	4.3
107-06-2	1,2-Dichloroethane	178		10	4.3
78-87-5	1,2-Dichloropropane	225		10	3.5
541-73-1	1,3-Dichlorobenzene	191		10	3.4
106-46-7	1,4-Dichlorobenzene	189		10	3.3
78-93-3	2-Butanone (MEK)	886		50	19
591-78-6	2-Hexanone	998		50	11
108-10-1	4-Methyl-2-pentanone (MIBK)	998		50	13
67-64-1	Acetone	668		50	44
71-43-2	Benzene	213		10	2.0
75-25-2	Bromoform	166		10	5.4
74-83-9	Bromomethane	175		10	5.5
75-15-0	Carbon disulfide	194		10	8.2
56-23-5	Carbon tetrachloride	190		10	2.1
108-90-7	Chlorobenzene	200		10	3.8
124-48-1	Chlorodibromomethane	191		10	2.8
75-00-3	Chloroethane	223		10	3.2
67-66-3	Chloroform	203		10	3.3
74-87-3	Chloromethane	190		10	4.0
156-59-2	cis-1,2-Dichloroethene	210		10	2.2
10061-01-5	cis-1,3-Dichloropropene	223		10	2.2
110-82-7	Cyclohexane	224		10	3.2
75-27-4	Dichlorobromomethane	199		10	3.4
75-71-8	Dichlorodifluoromethane	132		10	3.1
100-41-4	Ethylbenzene	205		10	3.0
106-93-4	Ethylene Dibromide	198		10	5.0
98-82-8	Isopropylbenzene	206		10	3.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: MW-10 MS Lab Sample ID: 460-196269-3 MS
 Matrix: Water Lab File ID: O44162.D
 Analysis Method: 8260C Date Collected: 11/05/2019 10:50
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2019 04:50
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656120 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	357		50	7.9
1634-04-4	Methyl tert-butyl ether	209		10	4.7
108-87-2	Methylcyclohexane	217		10	2.6
75-09-2	Methylene Chloride	194		10	3.2
100-42-5	Styrene	208		10	4.2
127-18-4	Tetrachloroethene	180		10	2.5
108-88-3	Toluene	204		10	3.8
156-60-5	trans-1,2-Dichloroethene	213		10	2.4
10061-02-6	trans-1,3-Dichloropropene	206		10	4.9
79-01-6	Trichloroethene	198		10	3.1
75-69-4	Trichlorofluoromethane	175		10	3.2
75-01-4	Vinyl chloride	187		10	1.7
1330-20-7	Xylenes, Total	404		20	6.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		74-132
460-00-4	4-Bromofluorobenzene	85		77-124
1868-53-7	Dibromofluoromethane (Surr)	103		72-131
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44162.D
 Lims ID: 460-196269-B-3 MS
 Client ID:
 Sample Type: MS
 Inject. Date: 18-Nov-2019 04:50:30 ALS Bottle#: 24 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 460-196269-B-3 MS
 Misc. Info.: 460-0101360-025
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 19-Nov-2019 06:07:33 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0322

First Level Reviewer: tupayachia

Date: 18-Nov-2019 09:15:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	0.885	0.878	0.007	99	56959	20.0	13.2	
6 Chloromethane	50	1.000	0.985	0.015	98	73164	20.0	19.0	
7 Vinyl chloride	62	1.035	1.035	0.000	97	79041	20.0	18.7	
8 Butadiene	54	1.050	1.050	0.000	92	63957	20.0	17.9	
9 Bromomethane	94	1.214	1.207	0.007	99	31765	20.0	17.5	
10 Chloroethane	64	1.264	1.264	0.000	98	59566	20.0	22.3	
11 Dichlorofluoromethane	67	1.371	1.372	-0.001	98	115848	20.0	18.7	
12 Trichlorofluoromethane	101	1.400	1.400	0.000	98	94155	20.0	17.5	
13 Pentane	72	1.450	1.450	0.000	96	22157	40.0	32.1	
14 Ethanol	46	1.522	1.529	-0.007	93	13045	800.0	675.9	
15 Ethyl ether	59	1.565	1.565	0.000	94	49502	20.0	18.1	
17 2-Methyl-1,3-butadiene	53	1.586	1.579	0.007	94	53759	20.0	20.2	
19 Acrolein	56	1.636	1.636	0.000	77	8560	40.0	29.5	
20 1,1-Dichloroethene	96	1.700	1.693	0.007	96	62420	20.0	18.9	
21 1,1,2-Trichloro-1,2,2-trif	101	1.700	1.700	0.000	97	66154	20.0	18.8	
22 Acetone	58	1.722	1.722	0.000	90	16262	100.0	66.8	
23 Iodomethane	127	1.793	1.786	0.007	97	26032	20.0	14.0	
24 Isopropyl alcohol	45	1.815	1.815	0.000	42	25890	200.0	151.7	
25 Carbon disulfide	76	1.829	1.822	0.007	98	196044	20.0	19.4	
26 3-Chloro-1-propene	76	1.915	1.908	0.007	95	45364	20.0	18.2	
27 Acetonitrile	38	1.915	1.915	0.000	81	16598	200.0	157.0	
28 Methyl acetate	74	1.929	1.929	0.000	99	14119	40.0	35.7	
29 Cyclopentene	67	1.972	1.965	0.007	95	170632	20.0	19.8	
30 Methylene Chloride	84	1.994	1.994	0.000	88	80484	20.0	19.4	
* 31 TBA-d9 (IS)	65	2.022	2.015	0.007	99	212882	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.072	2.072	0.000	99	36639	200.0	177.2	
33 Acrylonitrile	53	2.151	2.144	0.007	95	160596	200.0	203.6	
34 trans-1,2-Dichloroethene	96	2.172	2.172	0.000	94	76759	20.0	21.3	
35 Methyl tert-butyl ether	73	2.179	2.180	-0.001	97	182056	20.0	20.9	
36 Hexane	57	2.373	2.373	-0.001	91	80162	20.0	21.0	
37 1,1-Dichloroethane	63	2.458	2.458	0.000	99	132552	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Vinyl acetate	86	2.508	2.501	0.007	100	25474	40.0	52.2	
39 Isopropyl ether	45	2.530	2.523	0.007	89	224984	20.0	21.5	
40 2-Chloro-1,3-butadiene	88	2.530	2.530	0.000	86	75570	20.0	22.0	
41 Tert-butyl ethyl ether	59	2.802	2.802	0.000	91	192747	20.0	20.5	
* 42 2-Butanone-d5	46	2.866	2.866	0.000	100	293749	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.902	2.895	0.007	96	86191	20.0	21.0	
43 2,2-Dichloropropane	97	2.894	2.895	-0.001	64	20834	20.0	20.9	
45 2-Butanone (MEK)	72	2.916	2.909	0.007	99	31687	100.0	88.6	
46 Propionitrile	52	2.952	2.952	0.000	98	14851	200.0	191.5	
47 Ethyl acetate	70	2.980	2.973	0.007	100	12045	40.0	39.2	
48 Methyl acrylate	55	3.002	2.995	0.007	99	49284	20.0	19.1	
49 Methacrylonitrile	67	3.080	3.080	0.000	89	253580	200.0	217.1	
50 Chlorobromomethane	128	3.088	3.080	0.008	78	38866	20.0	19.8	
51 Tetrahydrofuran	42	3.138	3.130	0.008	80	31560	40.0	39.5	
52 Chloroform	83	3.159	3.159	0.000	100	129715	20.0	20.3	
\$ 53 Dibromofluoromethane (Surr	113	3.295	3.288	0.007	97	154046	50.0	51.3	
54 1,1,1-Trichloroethane	97	3.316	3.309	0.007	98	101799	20.0	19.7	
55 Cyclohexane	84	3.366	3.359	0.007	88	113754	20.0	22.4	
56 Carbon tetrachloride	117	3.459	3.459	0.000	96	79235	20.0	19.0	
57 1,1-Dichloropropene	75	3.466	3.459	0.007	98	108908	20.0	21.5	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.588	3.581	0.007	0	162351	50.0	50.9	
59 Isobutyl alcohol	43	3.609	3.602	0.007	89	42291	500.0	503.3	
60 Benzene	78	3.645	3.638	0.007	94	321563	20.0	21.3	
61 1,2-Dichloroethane	62	3.660	3.652	0.008	97	86642	20.0	17.8	
62 Isooctane	57	3.745	3.745	0.000	95	139346	20.0	21.5	
63 Isopropyl acetate	61	3.753	3.753	-0.001	97	20272	20.0	20.7	
64 Tert-amyl methyl ether	73	3.774	3.774	0.000	99	183951	20.0	20.7	
* 65 Fluorobenzene	96	3.917	3.910	0.007	99	820478	50.0	50.0	
66 n-Heptane	43	3.938	3.931	0.007	90	54972	20.0	20.1	
67 n-Butanol	56	4.274	4.267	0.007	85	31743	500.0	545.4	
68 Trichloroethene	95	4.282	4.275	0.007	99	78994	20.0	19.8	
69 Ethyl acrylate	55	4.439	4.432	0.007	98	61755	20.0	15.9	
70 Methylcyclohexane	83	4.482	4.475	0.007	95	109936	20.0	21.7	
71 1,2-Dichloropropane	63	4.503	4.496	0.007	94	82986	20.0	22.5	
73 Dibromomethane	93	4.625	4.618	0.007	97	42777	20.0	19.9	
* 72 1,4-Dioxane-d8	96	4.625	4.625	0.000	0	44017	1000.0	1000.0	
74 1,4-Dioxane	88	4.675	4.668	0.007	31	17001	400.0	389.8	
75 Methyl methacrylate	100	4.682	4.682	0.000	84	34904	40.0	42.1	
76 n-Propyl acetate	43	4.768	4.761	0.007	97	66348	20.0	19.9	
77 Dichlorobromomethane	83	4.818	4.811	0.007	99	92230	20.0	19.9	
78 2-Nitropropane	41	5.082	5.075	0.007	94	14736	40.0	35.6	
80 Epichlorohydrin	57	5.247	5.240	0.007	99	82071	400.0	378.9	
81 cis-1,3-Dichloropropene	75	5.340	5.340	0.000	89	116633	20.0	22.3	
82 4-Methyl-2-pentanone (MIBK	43	5.562	5.554	0.008	94	231854	100.0	99.8	
\$ 83 Toluene-d8 (Surr)	98	5.662	5.655	0.007	100	660783	50.0	51.7	
84 Toluene	91	5.747	5.740	0.007	93	342263	20.0	20.4	
85 trans-1,3-Dichloropropene	75	6.055	6.048	0.007	94	90271	20.0	20.6	
86 Ethyl methacrylate	69	6.241	6.227	0.014	91	76652	20.0	22.1	
87 1,1,2-Trichloroethane	83	6.277	6.269	0.008	94	53004	20.0	19.9	
88 Tetrachloroethene	166	6.441	6.434	0.007	96	77190	20.0	18.0	
89 1,3-Dichloropropane	76	6.484	6.477	0.007	91	113195	20.0	20.8	
90 2-Hexanone	43	6.670	6.663	0.007	94	164700	100.0	99.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 Chlorodibromomethane	129	6.777	6.777	0.000	98	62129	20.0	19.1	
92 n-Butyl acetate	43	6.899	6.899	0.000	97	75014	20.0	20.4	
93 Ethylene Dibromide	107	6.906	6.899	0.007	97	63784	20.0	19.8	
* 94 Chlorobenzene-d5	117	7.592	7.585	0.007	85	654254	50.0	50.0	
95 Chlorobenzene	112	7.635	7.621	0.014	96	222868	20.0	20.0	
96 1,1,1,2-Tetrachloroethane	131	7.771	7.764	0.007	95	64200	20.0	19.1	
97 Ethylbenzene	106	7.842	7.835	0.007	97	118876	20.0	20.5	
98 m-Xylene & p-Xylene	106	8.028	8.021	0.007	100	144912	20.0	20.1	
99 o-Xylene	106	8.615	8.608	0.007	94	142008	20.0	20.3	
100 Styrene	104	8.643	8.636	0.007	96	231568	20.0	20.8	
101 n-Butyl acrylate	73	8.708	8.701	0.007	100	47724	20.0	21.5	
102 Bromoform	173	8.865	8.858	0.007	95	33553	20.0	16.6	
103 Amyl acetate (mixed isomer)	43	9.101	9.094	0.007	93	100831	20.0	21.8	
104 Isopropylbenzene	105	9.230	9.215	0.015	95	340678	20.0	20.6	
\$ 105 4-Bromofluorobenzene	174	9.423	9.416	0.007	88	180873	50.0	42.5	
106 Bromobenzene	156	9.616	9.601	0.015	98	90601	20.0	18.6	
107 1,1,2,2-Tetrachloroethane	83	9.737	9.723	0.014	99	81072	20.0	21.5	
108 1,2,3-Trichloropropane	110	9.752	9.744	0.008	98	21486	20.0	17.8	
109 trans-1,4-Dichloro-2-buten	53	9.837	9.830	0.007	84	12580	20.0	15.9	
110 N-Propylbenzene	91	9.895	9.887	0.008	99	383224	20.0	20.8	
111 2-Chlorotoluene	91	9.966	9.959	0.007	97	258904	20.0	20.8	
112 4-Ethyltoluene	105	10.095	10.088	0.007	99	329697	20.0	20.8	
113 4-Chlorotoluene	91	10.159	10.145	0.014	96	231022	20.0	18.6	
114 1,3,5-Trimethylbenzene	105	10.216	10.209	0.007	93	273629	20.0	20.8	
115 Butyl Methacrylate	87	10.502	10.495	0.007	87	90498	20.0	19.1	
116 tert-Butylbenzene	119	10.731	10.724	0.007	95	224854	20.0	20.1	
117 1,2,4-Trimethylbenzene	105	10.817	10.810	0.007	97	266814	20.0	20.5	
118 sec-Butylbenzene	105	11.103	11.096	0.007	99	307360	20.0	21.1	
119 1,3-Dichlorobenzene	146	11.196	11.189	0.007	96	167839	20.0	19.1	
* 120 1,4-Dichlorobenzene-d4	152	11.303	11.296	0.007	95	363481	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.339	11.332	0.007	96	170309	20.0	18.9	
122 4-Isopropyltoluene	119	11.360	11.353	0.007	98	249056	20.0	20.3	
123 1,2,3-Trimethylbenzene	105	11.460	11.453	0.007	98	274901	20.0	20.7	
124 Benzyl chloride	126	11.561	11.553	0.008	99	15702	20.0	13.0	
125 2,3-Dihydroindene	117	11.696	11.689	0.007	95	309747	20.0	20.7	
126 1,2-Dichlorobenzene	146	11.832	11.825	0.007	97	168624	20.0	19.8	
127 p-Diethylbenzene	119	11.889	11.882	0.007	94	123770	20.0	19.5	
128 n-Butylbenzene	92	11.911	11.904	0.007	97	105906	20.0	20.4	
129 1,2-Dibromo-3-Chloropropan	75	12.733	12.726	0.007	95	13131	20.0	19.8	
130 1,2,4,5-Tetramethylbenzene	119	12.755	12.748	0.007	97	256560	20.0	22.1	
131 1,3,5-Trichlorobenzene	180	12.955	12.948	0.007	97	87064	20.0	17.3	
132 1,2,4-Trichlorobenzene	180	13.520	13.513	0.007	94	79730	20.0	17.6	
133 Hexachlorobutadiene	225	13.698	13.691	0.007	93	26938	20.0	16.8	
134 Naphthalene	128	13.720	13.713	0.007	99	198316	20.0	19.2	
135 1,2,3-Trichlorobenzene	180	13.927	13.920	0.007	96	72548	20.0	18.2	
S 137 1,2-Dichloroethene, Total	100				0		40.0	42.3	
S 138 Xylenes, Total	100				0		40.0	40.4	
S 139 Total BTEX	1				0		100.0	102.5	

Reagents:

8260MIX1COMB_00107	Amount Added: 20.00	Units: uL	
ACROLEIN W_00098	Amount Added: 4.00	Units: uL	
GASES Li_00341	Amount Added: 20.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44162.D

Injection Date: 18-Nov-2019 04:50:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: 460-196269-B-3 MS

Worklist Smp#: 25

Client ID:

Purge Vol: 5.000 mL

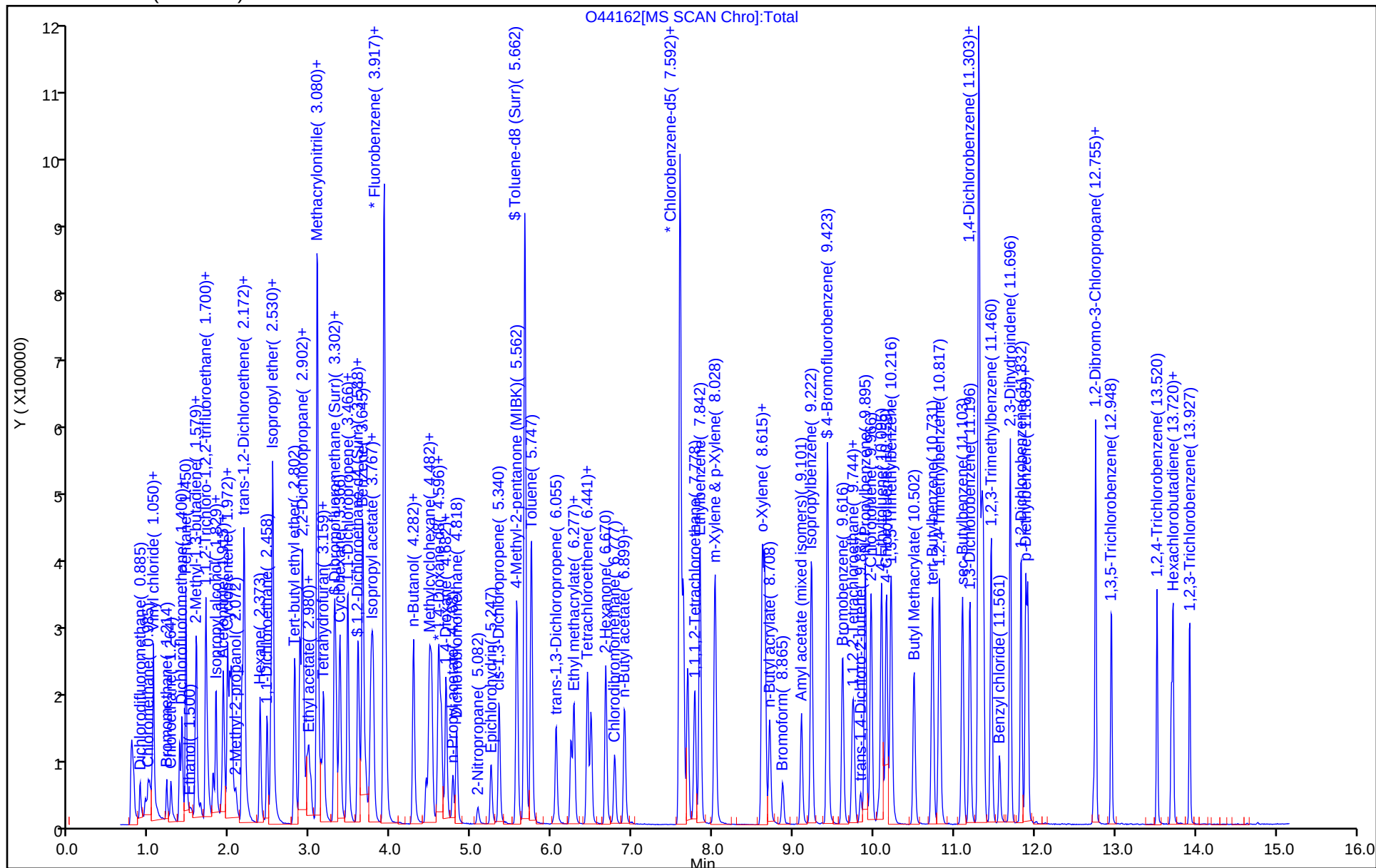
Dil. Factor: 10.0000

ALS Bottle#: 24

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1

SDG No.: _____

Client Sample ID: MW-12 MSD Lab Sample ID: 460-196269-1 MSD

Matrix: Water Lab File ID: O44126.D

Analysis Method: 8260C Date Collected: 11/05/2019 09:40

Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 11:42

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 656031 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.4		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	23.8		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19.7		1.0	0.31
79-00-5	1,1,2-Trichloroethane	21.7		1.0	0.43
75-34-3	1,1-Dichloroethane	23.2		1.0	0.26
75-35-4	1,1-Dichloroethene	20.3		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	20.4		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	22.3		1.0	0.38
95-50-1	1,2-Dichlorobenzene	22.0		1.0	0.43
107-06-2	1,2-Dichloroethane	19.6		1.0	0.43
78-87-5	1,2-Dichloropropane	23.8		1.0	0.35
541-73-1	1,3-Dichlorobenzene	21.0		1.0	0.34
106-46-7	1,4-Dichlorobenzene	20.8		1.0	0.33
78-93-3	2-Butanone (MEK)	99.3		5.0	1.9
591-78-6	2-Hexanone	104		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	105		5.0	1.3
67-64-1	Acetone	80.4		5.0	4.4
71-43-2	Benzene	23.3		1.0	0.20
75-25-2	Bromoform	18.2		1.0	0.54
74-83-9	Bromomethane	22.1		1.0	0.55
75-15-0	Carbon disulfide	21.2		1.0	0.82
56-23-5	Carbon tetrachloride	20.7		1.0	0.21
108-90-7	Chlorobenzene	21.3		1.0	0.38
124-48-1	Chlorodibromomethane	20.9		1.0	0.28
75-00-3	Chloroethane	18.7		1.0	0.32
67-66-3	Chloroform	21.2		1.0	0.33
74-87-3	Chloromethane	21.8		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	30.3		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	24.5		1.0	0.22
110-82-7	Cyclohexane	23.0		1.0	0.32
75-27-4	Dichlorobromomethane	21.1		1.0	0.34
75-71-8	Dichlorodifluoromethane	18.8		1.0	0.31
100-41-4	Ethylbenzene	21.9		1.0	0.30
106-93-4	Ethylene Dibromide	21.1		1.0	0.50
98-82-8	Isopropylbenzene	22.3		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: MW-12 MSD Lab Sample ID: 460-196269-1 MSD
 Matrix: Water Lab File ID: O44126.D
 Analysis Method: 8260C Date Collected: 11/05/2019 09:40
 Sample wt/vol: 5 (mL) Date Analyzed: 11/17/2019 11:42
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656031 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	37.7		5.0	0.79
1634-04-4	Methyl tert-butyl ether	22.8		1.0	0.47
108-87-2	Methylcyclohexane	22.5		1.0	0.26
75-09-2	Methylene Chloride	20.8		1.0	0.32
100-42-5	Styrene	22.8		1.0	0.42
127-18-4	Tetrachloroethene	50.4		1.0	0.25
108-88-3	Toluene	22.2		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	24.4		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	23.2		1.0	0.49
79-01-6	Trichloroethene	31.1		1.0	0.31
75-69-4	Trichlorofluoromethane	18.8		1.0	0.32
75-01-4	Vinyl chloride	21.1		1.0	0.17
1330-20-7	Xylenes, Total	44.2		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		74-132
460-00-4	4-Bromofluorobenzene	87		77-124
1868-53-7	Dibromofluoromethane (Surr)	99		72-131
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44126.D
 Lims ID: 460-196269-C-1 MSD
 Client ID: MW-12
 Sample Type: MSD
 Inject. Date: 17-Nov-2019 11:42:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-196269-C-1 MSD
 Misc. Info.: 460-0101333-019
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 18-Nov-2019 09:29:20 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0316

First Level Reviewer: yallabg

Date: 17-Nov-2019 20:17:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.857	0.864	-0.007	89	24528		17.0	
3 1,1-Difluoroethane	65	0.871	0.871	0.000	94	45102		19.8	a
4 Dichlorodifluoromethane	85	0.878	0.878	0.000	99	81952	20.0	18.8	
5 Chlorodifluoromethane	67	0.892	0.900	-0.008	97	14047		16.4	
6 Chloromethane	50	0.993	0.985	0.007	98	84683	20.0	21.8	
7 Vinyl chloride	62	1.035	1.028	0.007	98	89936	20.0	21.1	
8 Butadiene	54	1.043	1.043	0.000	94	74026	20.0	20.5	
9 Bromomethane	94	1.207	1.207	0.000	98	40766	20.0	22.1	
10 Chloroethane	64	1.264	1.257	0.007	98	50492	20.0	18.7	
11 Dichlorofluoromethane	67	1.371	1.364	0.007	99	129068	20.0	20.6	
12 Trichlorofluoromethane	101	1.400	1.393	0.007	97	102552	20.0	18.8	
13 Pentane	72	1.443	1.443	0.000	96	24485	40.0	35.1	
14 Ethanol	46	1.514	1.522	-0.008	92	14264	800.0	721.4	
15 Ethyl ether	59	1.565	1.557	0.008	94	58645	20.0	21.3	
16 1,2-Dichloro-1,1,2-trifluo	117	1.565	1.572	-0.007	88	65886		23.2	
17 2-Methyl-1,3-butadiene	53	1.579	1.579	0.000	93	55826	20.0	20.7	
18 1,1,1-Trifluoro-2,2-dichlo	83	1.600	1.607	-0.007	95	105074		21.2	
19 Acrolein	56	1.629	1.629	0.000	82	11138	40.0	37.4	
20 1,1-Dichloroethene	96	1.693	1.686	0.007	96	67975	20.0	20.3	
21 1,1,2-Trichloro-1,2,2-trif	101	1.700	1.700	0.000	97	69903	20.0	19.7	
22 Acetone	58	1.722	1.722	0.000	89	19861	100.0	80.4	
23 Iodomethane	127	1.786	1.779	0.007	95	24918	20.0	13.2	
24 Isopropyl alcohol	45	1.815	1.808	0.007	27	33285	200.0	190.4	
25 Carbon disulfide	76	1.822	1.815	0.007	98	216378	20.0	21.2	
27 Acetonitrile	38	1.908	1.908	0.000	82	18758	200.0	173.4	
26 3-Chloro-1-propene	76	1.908	1.908	0.000	96	51524	20.0	20.4	
28 Methyl acetate	74	1.922	1.922	0.000	98	15289	40.0	37.7	
29 Cyclopentene	67	1.965	1.965	0.000	96	184001	20.0	21.1	
30 Methylene Chloride	84	1.986	1.986	0.000	87	87061	20.0	20.8	
* 31 TBA-d9 (IS)	65	2.015	2.015	0.000	100	218104	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.065	2.065	0.000	99	43013	200.0	203.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Acrylonitrile	53	2.144	2.137	0.008	95	180954	200.0	227.0	
34 trans-1,2-Dichloroethene	96	2.165	2.165	0.000	93	88500	20.0	24.4	
35 Methyl tert-butyl ether	73	2.172	2.172	0.000	97	200561	20.0	22.8	
36 Hexane	57	2.365	2.365	0.000	90	88098	20.0	22.9	
37 1,1-Dichloroethane	63	2.451	2.451	0.000	99	147530	20.0	23.2	
38 Vinyl acetate	86	2.501	2.501	0.000	100	26084	40.0	52.6	
39 Isopropyl ether	45	2.523	2.523	0.000	89	239335	20.0	22.7	
40 2-Chloro-1,3-butadiene	88	2.523	2.523	0.000	74	82311	20.0	23.7	
41 Tert-butyl ethyl ether	59	2.794	2.794	0.000	90	215250	20.0	22.6	
* 42 2-Butanone-d5	46	2.859	2.859	0.000	100	298224	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.887	2.887	0.000	97	126012	20.0	30.3	
43 2,2-Dichloropropane	97	2.894	2.887	0.007	61	25495	20.0	25.4	
45 2-Butanone (MEK)	72	2.909	2.909	0.000	99	36068	100.0	99.3	
46 Propionitrile	52	2.952	2.944	0.008	98	16355	200.0	205.9	
47 Ethyl acetate	70	2.973	2.966	0.007	100	12860	40.0	41.2	
48 Methyl acrylate	55	2.995	2.995	0.000	100	57860	20.0	22.2	
49 Methacrylonitrile	67	3.073	3.073	0.000	90	277077	200.0	234.7	
50 Chlorobromomethane	128	3.080	3.073	0.007	88	42499	20.0	21.5	
51 Tetrahydrofuran	42	3.123	3.123	0.000	80	33293	40.0	41.1	
52 Chloroform	83	3.152	3.152	0.000	100	136461	20.0	21.2	
\$ 53 Dibromofluoromethane (Surr	113	3.288	3.288	0.000	97	150946	50.0	49.7	
54 1,1,1-Trichloroethane	97	3.309	3.302	0.007	98	111603	20.0	21.4	
55 Cyclohexane	84	3.359	3.352	0.007	88	118008	20.0	23.0	
56 Carbon tetrachloride	117	3.452	3.452	0.000	96	87071	20.0	20.7	
57 1,1-Dichloropropene	75	3.452	3.452	0.000	99	116317	20.0	22.7	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.581	3.574	0.007	0	154682	50.0	48.0	
59 Isobutyl alcohol	43	3.602	3.595	0.007	96	46175	500.0	536.3	
60 Benzene	78	3.638	3.631	0.007	94	348488	20.0	23.3	
61 1,2-Dichloroethane	62	3.645	3.645	0.000	97	96470	20.0	19.6	
62 Isooctane	57	3.738	3.738	0.000	96	147722	20.0	22.5	
63 Isopropyl acetate	61	3.745	3.745	0.000	98	21411	20.0	21.6	
64 Tert-amyl methyl ether	73	3.767	3.767	0.000	99	204751	20.0	22.8	
* 65 Fluorobenzene	96	3.903	3.903	0.000	99	829070	50.0	50.0	
66 n-Heptane	43	3.931	3.924	0.007	90	58981	20.0	21.4	
67 n-Butanol	56	4.267	4.260	0.007	34	35489	500.0	595.1	
68 Trichloroethene	95	4.267	4.267	0.000	99	125419	20.0	31.1	
69 Ethyl acrylate	55	4.425	4.425	0.000	98	70880	20.0	18.0	
70 Methylcyclohexane	83	4.468	4.467	0.001	95	115120	20.0	22.5	
71 1,2-Dichloropropane	63	4.496	4.489	0.007	94	88798	20.0	23.8	
73 Dibromomethane	93	4.618	4.610	0.008	98	46125	20.0	21.2	
* 72 1,4-Dioxane-d8	96	4.618	4.610	0.008	0	44959	1000.0	1000.0	
74 1,4-Dioxane	88	4.668	4.661	0.007	31	19192	400.0	430.8	
75 Methyl methacrylate	100	4.675	4.675	0.000	86	36930	40.0	44.1	
76 n-Propyl acetate	43	4.761	4.753	0.008	97	70871	20.0	21.0	
77 Dichlorobromomethane	83	4.804	4.804	0.000	99	98974	20.0	21.1	
78 2-Nitropropane	41	5.068	5.068	0.000	94	16499	40.0	39.5	
80 Epichlorohydrin	57	5.233	5.225	0.008	99	87920	400.0	399.8	
81 cis-1,3-Dichloropropene	75	5.333	5.326	0.007	90	127645	20.0	24.5	
82 4-Methyl-2-pentanone (MIBK	43	5.554	5.547	0.007	94	247661	100.0	105.0	
\$ 83 Toluene-d8 (Surr)	98	5.654	5.647	0.007	100	648504	50.0	51.0	
84 Toluene	91	5.733	5.733	0.000	93	371511	20.0	22.2	
85 trans-1,3-Dichloropropene	75	6.041	6.041	0.000	96	101164	20.0	23.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Ethyl methacrylate	69	6.226	6.219	0.007	89	83138	20.0	24.1	
87 1,1,2-Trichloroethane	83	6.262	6.262	0.000	94	57358	20.0	21.7	
88 Tetrachloroethene	166	6.434	6.427	0.007	97	214660	20.0	50.4	
89 1,3-Dichloropropane	76	6.477	6.470	0.007	91	121211	20.0	22.4	
90 2-Hexanone	43	6.656	6.655	0.001	94	174094	100.0	103.9	
91 Chlorodibromomethane	129	6.770	6.763	0.007	98	67506	20.0	20.9	
92 n-Butyl acetate	43	6.891	6.884	0.007	98	79498	20.0	21.7	
93 Ethylene Dibromide	107	6.891	6.891	0.000	98	67456	20.0	21.1	
* 94 Chlorobenzene-d5	117	7.578	7.578	0.000	85	650427	50.0	50.0	
95 Chlorobenzene	112	7.621	7.614	0.007	96	236473	20.0	21.3	
96 1,1,1,2-Tetrachloroethane	131	7.764	7.764	0.000	95	69598	20.0	20.8	
97 Ethylbenzene	106	7.828	7.821	0.007	98	126677	20.0	21.9	
98 m-Xylene & p-Xylene	106	8.014	8.014	0.000	100	155796	20.0	21.7	
99 o-Xylene	106	8.600	8.600	0.000	94	156131	20.0	22.4	
100 Styrene	104	8.629	8.629	0.000	96	252390	20.0	22.8	
101 n-Butyl acrylate	73	8.693	8.693	0.000	99	51217	20.0	23.2	
102 Bromoform	173	8.858	8.851	0.007	96	36585	20.0	18.2	
103 Amyl acetate (mixed isomer	43	9.087	9.087	0.000	93	105683	20.0	23.2	
104 Isopropylbenzene	105	9.215	9.208	0.007	95	366684	20.0	22.3	
\$ 105 4-Bromofluorobenzene	174	9.415	9.408	0.007	90	184785	50.0	43.6	
106 Bromobenzene	156	9.601	9.594	0.007	99	97479	20.0	20.4	
107 1,1,2,2-Tetrachloroethane	83	9.723	9.716	0.007	99	88414	20.0	23.8	
108 1,2,3-Trichloropropane	110	9.744	9.737	0.007	98	24752	20.0	20.8	
109 trans-1,4-Dichloro-2-buten	53	9.823	9.816	0.007	86	15631	20.0	20.1	
110 N-Propylbenzene	91	9.880	9.880	0.000	100	418830	20.0	23.1	
111 2-Chlorotoluene	91	9.952	9.952	0.000	97	283243	20.0	23.2	
112 4-Ethyltoluene	105	10.080	10.080	0.000	99	361489	20.0	23.2	
113 4-Chlorotoluene	91	10.145	10.138	0.007	97	266296	20.0	21.8	
114 1,3,5-Trimethylbenzene	105	10.202	10.195	0.007	94	294319	20.0	22.8	
115 Butyl Methacrylate	87	10.488	10.488	0.000	87	99418	20.0	21.3	
116 tert-Butylbenzene	119	10.717	10.710	0.007	95	243033	20.0	22.1	
117 1,2,4-Trimethylbenzene	105	10.803	10.795	0.008	97	295798	20.0	23.1	
118 sec-Butylbenzene	105	11.089	11.089	0.000	99	333328	20.0	23.2	
119 1,3-Dichlorobenzene	146	11.182	11.182	0.000	96	181527	20.0	21.0	
* 120 1,4-Dichlorobenzene-d4	152	11.296	11.289	0.007	95	357764	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.325	11.325	0.000	96	184449	20.0	20.8	
122 4-Isopropyltoluene	119	11.346	11.346	0.000	98	277726	20.0	23.0	
123 1,2,3-Trimethylbenzene	105	11.446	11.446	0.000	98	303936	20.0	23.2	
124 Benzyl chloride	126	11.553	11.546	0.007	99	19722	20.0	16.6	
125 2,3-Dihydroindene	117	11.682	11.682	0.000	95	342487	20.0	23.3	
126 1,2-Dichlorobenzene	146	11.818	11.818	0.000	96	184402	20.0	22.0	
127 p-Diethylbenzene	119	11.875	11.875	0.000	94	142942	20.0	22.9	
128 n-Butylbenzene	92	11.904	11.897	0.007	98	123282	20.0	24.1	
129 1,2-Dibromo-3-Chloropropan	75	12.719	12.719	0.000	95	14607	20.0	22.3	
130 1,2,4,5-Tetramethylbenzene	119	12.748	12.747	0.001	97	280672	20.0	24.5	
131 1,3,5-Trichlorobenzene	180	12.941	12.941	0.000	98	99745	20.0	20.1	
132 1,2,4-Trichlorobenzene	180	13.513	13.513	0.000	94	90904	20.0	20.4	
133 Hexachlorobutadiene	225	13.691	13.691	0.000	94	29806	20.0	18.8	
134 Naphthalene	128	13.713	13.706	0.007	99	241790	20.0	23.7	
135 1,2,3-Trichlorobenzene	180	13.920	13.913	0.007	95	80413	20.0	20.5	
S 137 1,2-Dichloroethene, Total	100				0		40.0	54.7	
S 138 Xylenes, Total	100				0		40.0	44.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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S 139 Total BTEX

1

0

100.0

111.6

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00107

Amount Added: 20.00

Units: uL

ACROLEIN W_00098

Amount Added: 4.00

Units: uL

GASES Li_00341

Amount Added: 20.00

Units: uL

8260ISNEW_00127

Amount Added: 1.00

Units: uL

Run Reagent

8260SURR250_00203

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101333.b\O44126.D

Injection Date: 17-Nov-2019 11:42:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: 460-196269-C-1 MSD

Worklist Smp#: 19

Client ID: MW-12

Purge Vol: 5.000 mL

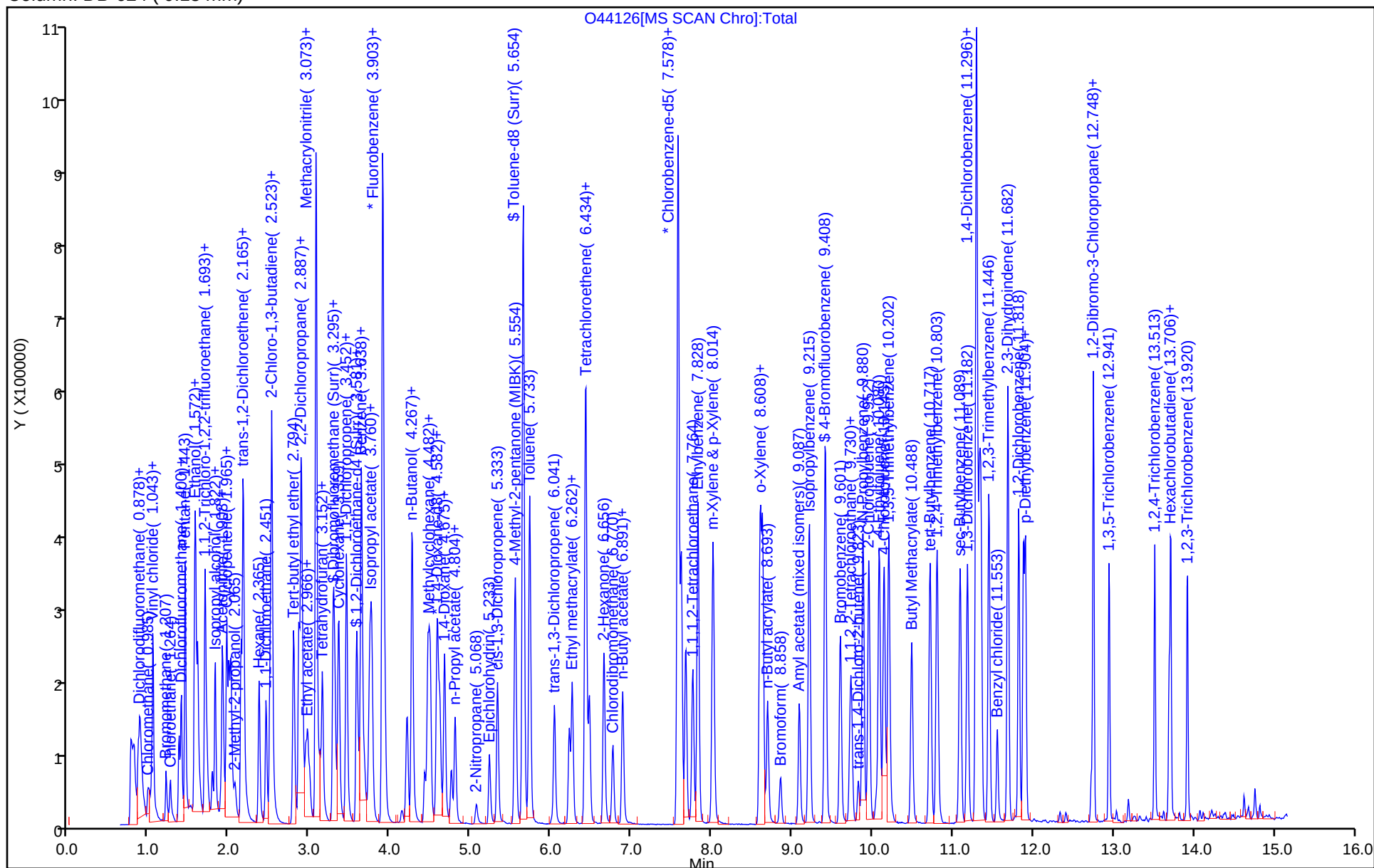
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Edison</u>	Job No.: <u>460-196269-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-10 MSD</u>	Lab Sample ID: <u>460-196269-3 MSD</u>
Matrix: <u>Water</u>	Lab File ID: <u>O44163.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>11/05/2019 10:50</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>11/18/2019 05:16</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>656120</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	219		10	2.4
79-34-5	1,1,2,2-Tetrachloroethane	233		10	3.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	200		10	3.1
79-00-5	1,1,2-Trichloroethane	217		10	4.3
75-34-3	1,1-Dichloroethane	232		10	2.6
75-35-4	1,1-Dichloroethene	197		10	2.6
120-82-1	1,2,4-Trichlorobenzene	201		10	3.7
96-12-8	1,2-Dibromo-3-Chloropropane	221		10	3.8
95-50-1	1,2-Dichlorobenzene	219		10	4.3
107-06-2	1,2-Dichloroethane	193		10	4.3
78-87-5	1,2-Dichloropropane	237		10	3.5
541-73-1	1,3-Dichlorobenzene	212		10	3.4
106-46-7	1,4-Dichlorobenzene	208		10	3.3
78-93-3	2-Butanone (MEK)	986		50	19
591-78-6	2-Hexanone	1070		50	11
108-10-1	4-Methyl-2-pentanone (MIBK)	1070		50	13
67-64-1	Acetone	799		50	44
71-43-2	Benzene	229		10	2.0
75-25-2	Bromoform	183		10	5.4
74-83-9	Bromomethane	234		10	5.5
75-15-0	Carbon disulfide	209		10	8.2
56-23-5	Carbon tetrachloride	208		10	2.1
108-90-7	Chlorobenzene	213		10	3.8
124-48-1	Chlorodibromomethane	209		10	2.8
75-00-3	Chloroethane	255		10	3.2
67-66-3	Chloroform	213		10	3.3
74-87-3	Chloromethane	231		10	4.0
156-59-2	cis-1,2-Dichloroethene	222		10	2.2
10061-01-5	cis-1,3-Dichloropropene	235		10	2.2
110-82-7	Cyclohexane	234		10	3.2
75-27-4	Dichlorobromomethane	214		10	3.4
75-71-8	Dichlorodifluoromethane	154		10	3.1
100-41-4	Ethylbenzene	224		10	3.0
106-93-4	Ethylene Dibromide	209		10	5.0
98-82-8	Isopropylbenzene	225		10	3.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1
 SDG No.: _____
 Client Sample ID: MW-10 MSD Lab Sample ID: 460-196269-3 MSD
 Matrix: Water Lab File ID: O44163.D
 Analysis Method: 8260C Date Collected: 11/05/2019 10:50
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2019 05:16
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 656120 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	403		50	7.9
1634-04-4	Methyl tert-butyl ether	226		10	4.7
108-87-2	Methylcyclohexane	234		10	2.6
75-09-2	Methylene Chloride	206		10	3.2
100-42-5	Styrene	226		10	4.2
127-18-4	Tetrachloroethene	194		10	2.5
108-88-3	Toluene	220		10	3.8
156-60-5	trans-1,2-Dichloroethene	229		10	2.4
10061-02-6	trans-1,3-Dichloropropene	228		10	4.9
79-01-6	Trichloroethene	213		10	3.1
75-69-4	Trichlorofluoromethane	206		10	3.2
75-01-4	Vinyl chloride	226		10	1.7
1330-20-7	Xylenes, Total	436		20	6.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
460-00-4	4-Bromofluorobenzene	87		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44163.D
 Lims ID: 460-196269-B-3 MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 18-Nov-2019 05:16:30 ALS Bottle#: 25 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 460-196269-B-3 MSD
 Misc. Info.: 460-0101360-026
 Operator ID: Instrument ID: CVOAMS12
 Method: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\8260W_12.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 19-Nov-2019 06:08:46 Calib Date: 04-Nov-2019 11:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Edison\ChromData\CVOAMS12\20191104-100553.b\O43453.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0322

First Level Reviewer: tupayachia

Date: 18-Nov-2019 09:15:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	0.885	0.878	0.007	99	67040	20.0	15.4	
6 Chloromethane	50	0.985	0.985	0.000	98	89577	20.0	23.1	
7 Vinyl chloride	62	1.035	1.035	0.000	97	95987	20.0	22.6	
8 Butadiene	54	1.050	1.050	0.000	95	76644	20.0	21.3	
9 Bromomethane	94	1.214	1.207	0.007	99	42345	20.0	23.4	
10 Chloroethane	64	1.264	1.264	0.000	99	68575	20.0	25.5	
11 Dichlorofluoromethane	67	1.371	1.372	-0.001	98	138902	20.0	22.3	
12 Trichlorofluoromethane	101	1.400	1.400	0.000	97	111825	20.0	20.6	
13 Pentane	72	1.450	1.450	0.000	97	24745	40.0	35.6	
14 Ethanol	46	1.514	1.529	-0.015	92	13458	800.0	674.4	
15 Ethyl ether	59	1.564	1.565	-0.001	93	55927	20.0	20.4	
17 2-Methyl-1,3-butadiene	53	1.586	1.579	0.007	94	60180	20.0	22.5	
19 Acrolein	56	1.636	1.636	0.000	83	10974	40.0	36.5	
20 1,1-Dichloroethene	96	1.700	1.693	0.007	96	65683	20.0	19.7	
21 1,1,2-Trichloro-1,2,2-trif	101	1.707	1.700	0.007	98	70807	20.0	20.0	
22 Acetone	58	1.722	1.722	0.000	88	19384	100.0	79.9	
23 Iodomethane	127	1.793	1.786	0.007	96	34029	20.0	18.2	
24 Isopropyl alcohol	45	1.815	1.815	0.000	98	27629	200.0	156.6	
25 Carbon disulfide	76	1.829	1.822	0.007	98	212530	20.0	20.9	
26 3-Chloro-1-propene	76	1.915	1.908	0.007	95	49057	20.0	19.5	
27 Acetonitrile	38	1.915	1.915	0.000	81	17493	200.0	160.1	
28 Methyl acetate	74	1.929	1.929	0.000	99	16468	40.0	40.3	
29 Cyclopentene	67	1.972	1.965	0.007	96	184464	20.0	21.2	
30 Methylene Chloride	84	1.994	1.994	0.000	88	86041	20.0	20.6	
* 31 TBA-d9 (IS)	65	2.022	2.015	0.007	100	220126	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.072	2.072	0.000	99	42098	200.0	197.0	
33 Acrylonitrile	53	2.151	2.144	0.007	95	173093	200.0	218.1	
34 trans-1,2-Dichloroethene	96	2.172	2.172	0.000	94	82687	20.0	22.9	
35 Methyl tert-butyl ether	73	2.179	2.180	-0.001	97	197404	20.0	22.6	
36 Hexane	57	2.372	2.373	-0.001	90	88816	20.0	23.2	
37 1,1-Dichloroethane	63	2.458	2.458	0.000	99	147270	20.0	23.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Vinyl acetate	86	2.508	2.501	0.007	100	26601	40.0	54.6	
39 Isopropyl ether	45	2.530	2.523	0.007	88	235596	20.0	22.4	
40 2-Chloro-1,3-butadiene	88	2.530	2.530	0.000	87	83266	20.0	24.1	
41 Tert-butyl ethyl ether	59	2.801	2.802	-0.001	90	212613	20.0	22.5	
* 42 2-Butanone-d5	46	2.866	2.866	0.000	100	292991	250.0	250.0	
44 cis-1,2-Dichloroethene	96	2.902	2.895	0.007	96	91648	20.0	22.2	
43 2,2-Dichloropropane	97	2.902	2.895	0.007	65	22235	20.0	22.2	
45 2-Butanone (MEK)	72	2.916	2.909	0.007	99	35155	100.0	98.6	
46 Propionitrile	52	2.959	2.952	0.007	99	15864	200.0	197.8	
47 Ethyl acetate	70	2.980	2.973	0.007	99	13305	40.0	43.4	
48 Methyl acrylate	55	3.002	2.995	0.007	99	54408	20.0	20.9	
49 Methacrylonitrile	67	3.087	3.080	0.007	89	272964	200.0	232.2	
50 Chlorobromomethane	128	3.087	3.080	0.007	88	41425	20.0	21.0	
51 Tetrahydrofuran	42	3.138	3.130	0.008	80	31806	40.0	39.9	
52 Chloroform	83	3.166	3.159	0.007	99	136726	20.0	21.3	
\$ 53 Dibromofluoromethane (Surr	113	3.295	3.288	0.007	97	153891	50.0	50.9	
54 1,1,1-Trichloroethane	97	3.316	3.309	0.007	98	113602	20.0	21.9	
55 Cyclohexane	84	3.366	3.359	0.007	88	119516	20.0	23.4	
56 Carbon tetrachloride	117	3.459	3.459	0.000	96	87227	20.0	20.8	
57 1,1-Dichloropropene	75	3.466	3.459	0.007	98	115779	20.0	22.7	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.588	3.581	0.007	0	155209	50.0	48.3	
59 Isobutyl alcohol	43	3.609	3.602	0.007	91	45220	500.0	520.4	
60 Benzene	78	3.645	3.638	0.007	95	347943	20.0	22.9	
61 1,2-Dichloroethane	62	3.660	3.652	0.008	97	94807	20.0	19.3	
62 Isooctane	57	3.752	3.745	0.007	96	149980	20.0	23.0	
63 Isopropyl acetate	61	3.760	3.753	0.007	98	22705	20.0	23.0	
64 Tert-amyl methyl ether	73	3.774	3.774	0.000	99	200887	20.0	22.4	
* 65 Fluorobenzene	96	3.917	3.910	0.007	99	825605	50.0	50.0	
66 n-Heptane	43	3.938	3.931	0.007	90	59899	20.0	21.8	
67 n-Butanol	56	4.274	4.267	0.007	85	35039	500.0	582.2	
68 Trichloroethene	95	4.282	4.275	0.007	98	85728	20.0	21.3	
69 Ethyl acrylate	55	4.439	4.432	0.007	99	77748	20.0	19.9	
70 Methylcyclohexane	83	4.482	4.475	0.007	94	118948	20.0	23.4	
71 1,2-Dichloropropane	63	4.503	4.496	0.007	94	88013	20.0	23.7	
73 Dibromomethane	93	4.625	4.618	0.007	98	46519	20.0	21.5	
* 72 1,4-Dioxane-d8	96	4.625	4.625	0.000	0	44596	1000.0	1000.0	
74 1,4-Dioxane	88	4.682	4.668	0.014	31	17710	400.0	400.7	
75 Methyl methacrylate	100	4.682	4.682	0.000	86	37647	40.0	45.1	
76 n-Propyl acetate	43	4.768	4.761	0.007	97	72562	20.0	21.6	
77 Dichlorobromomethane	83	4.818	4.811	0.007	99	99995	20.0	21.4	
78 2-Nitropropane	41	5.075	5.075	0.000	97	17906	40.0	43.0	
80 Epichlorohydrin	57	5.247	5.240	0.007	99	90472	400.0	418.7	
81 cis-1,3-Dichloropropene	75	5.347	5.340	0.007	89	124144	20.0	23.5	
82 4-Methyl-2-pentanone (MIBK	43	5.561	5.554	0.007	94	248483	100.0	107.2	
\$ 83 Toluene-d8 (Surr)	98	5.662	5.655	0.007	99	665366	50.0	51.6	
84 Toluene	91	5.747	5.740	0.007	93	372486	20.0	22.0	
85 trans-1,3-Dichloropropene	75	6.055	6.048	0.007	95	100748	20.0	22.8	
86 Ethyl methacrylate	69	6.234	6.227	0.007	88	82707	20.0	23.6	
87 1,1,2-Trichloroethane	83	6.276	6.269	0.007	95	58343	20.0	21.7	
88 Tetrachloroethene	166	6.441	6.434	0.007	97	84017	20.0	19.4	
89 1,3-Dichloropropane	76	6.491	6.477	0.014	91	123102	20.0	22.4	
90 2-Hexanone	43	6.670	6.663	0.007	94	176998	100.0	107.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 Chlorodibromomethane	129	6.777	6.777	0.000	98	68744	20.0	20.9	
92 n-Butyl acetate	43	6.899	6.899	0.000	98	82221	20.0	22.1	
93 Ethylene Dibromide	107	6.906	6.899	0.007	96	67997	20.0	20.9	
* 94 Chlorobenzene-d5	117	7.592	7.585	0.007	85	660376	50.0	50.0	
95 Chlorobenzene	112	7.635	7.621	0.014	96	240069	20.0	21.3	
96 1,1,1,2-Tetrachloroethane	131	7.778	7.764	0.014	95	71875	20.0	21.2	
97 Ethylbenzene	106	7.842	7.835	0.007	97	131238	20.0	22.4	
98 m-Xylene & p-Xylene	106	8.028	8.021	0.007	100	157722	20.0	21.7	
99 o-Xylene	106	8.615	8.608	0.007	94	155100	20.0	22.0	
100 Styrene	104	8.643	8.636	0.007	97	254639	20.0	22.6	
101 n-Butyl acrylate	73	8.708	8.701	0.007	99	51442	20.0	23.0	
102 Bromoform	173	8.865	8.858	0.007	96	37370	20.0	18.3	
103 Amyl acetate (mixed isomer)	43	9.101	9.094	0.007	92	111563	20.0	24.0	
104 Isopropylbenzene	105	9.230	9.215	0.015	95	375648	20.0	22.5	
\$ 105 4-Bromofluorobenzene	174	9.423	9.416	0.007	88	187799	50.0	43.7	
106 Bromobenzene	156	9.616	9.601	0.015	98	98406	20.0	20.1	
107 1,1,2,2-Tetrachloroethane	83	9.737	9.723	0.014	99	88271	20.0	23.3	
108 1,2,3-Trichloropropane	110	9.752	9.744	0.008	98	23918	20.0	19.7	
109 trans-1,4-Dichloro-2-buten	53	9.830	9.830	0.000	85	14285	20.0	18.0	
110 N-Propylbenzene	91	9.895	9.887	0.008	99	417662	20.0	22.6	
111 2-Chlorotoluene	91	9.966	9.959	0.007	96	284063	20.0	22.7	
112 4-Ethyltoluene	105	10.095	10.088	0.007	99	366759	20.0	23.1	
113 4-Chlorotoluene	91	10.159	10.145	0.014	96	254726	20.0	20.4	
114 1,3,5-Trimethylbenzene	105	10.216	10.209	0.007	93	299467	20.0	22.7	
115 Butyl Methacrylate	87	10.502	10.495	0.007	87	103159	20.0	21.7	
116 tert-Butylbenzene	119	10.731	10.724	0.007	95	247388	20.0	22.0	
117 1,2,4-Trimethylbenzene	105	10.817	10.810	0.007	97	300437	20.0	23.0	
118 sec-Butylbenzene	105	11.103	11.096	0.007	99	338142	20.0	23.1	
119 1,3-Dichlorobenzene	146	11.196	11.189	0.007	96	186728	20.0	21.2	
* 120 1,4-Dichlorobenzene-d4	152	11.303	11.296	0.007	95	365325	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.339	11.332	0.007	96	188117	20.0	20.8	
122 4-Isopropyltoluene	119	11.360	11.353	0.007	98	282345	20.0	22.9	
123 1,2,3-Trimethylbenzene	105	11.460	11.453	0.007	98	305632	20.0	22.8	
124 Benzyl chloride	126	11.568	11.553	0.015	100	17377	20.0	14.3	
125 2,3-Dihydroindene	117	11.696	11.689	0.007	95	341946	20.0	22.8	
126 1,2-Dichlorobenzene	146	11.832	11.825	0.007	96	187460	20.0	21.9	
127 p-Diethylbenzene	119	11.889	11.882	0.007	94	143105	20.0	22.4	
128 n-Butylbenzene	92	11.911	11.904	0.007	97	122948	20.0	23.5	
129 1,2-Dibromo-3-Chloropropan	75	12.733	12.726	0.007	95	14720	20.0	22.1	
130 1,2,4,5-Tetramethylbenzene	119	12.755	12.748	0.007	98	288926	20.0	24.7	
131 1,3,5-Trichlorobenzene	180	12.955	12.948	0.007	97	99514	20.0	19.7	
132 1,2,4-Trichlorobenzene	180	13.520	13.513	0.007	95	91418	20.0	20.1	
133 Hexachlorobutadiene	225	13.698	13.691	0.007	93	30272	20.0	18.7	
134 Naphthalene	128	13.720	13.713	0.007	99	242001	20.0	23.3	
135 1,2,3-Trichlorobenzene	180	13.927	13.920	0.007	95	81324	20.0	20.3	
S 137 1,2-Dichloroethene, Total	100				0		40.0	45.0	
S 138 Xylenes, Total	100				0		40.0	43.6	
S 139 Total BTEX	1				0		100.0	110.8	

Reagents:

8260MIX1COMB_00107	Amount Added: 20.00	Units: uL	
ACROLEIN W_00098	Amount Added: 4.00	Units: uL	
GASES Li_00341	Amount Added: 20.00	Units: uL	
8260ISNEW_00127	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00203	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS12\20191117-101360.b\O44163.D

Injection Date: 18-Nov-2019 05:16:30

Instrument ID: CVOAMS12

Operator ID:

Lims ID: 460-196269-B-3 MSD

Worklist Smp#: 26

Client ID:

Purge Vol: 5.000 mL

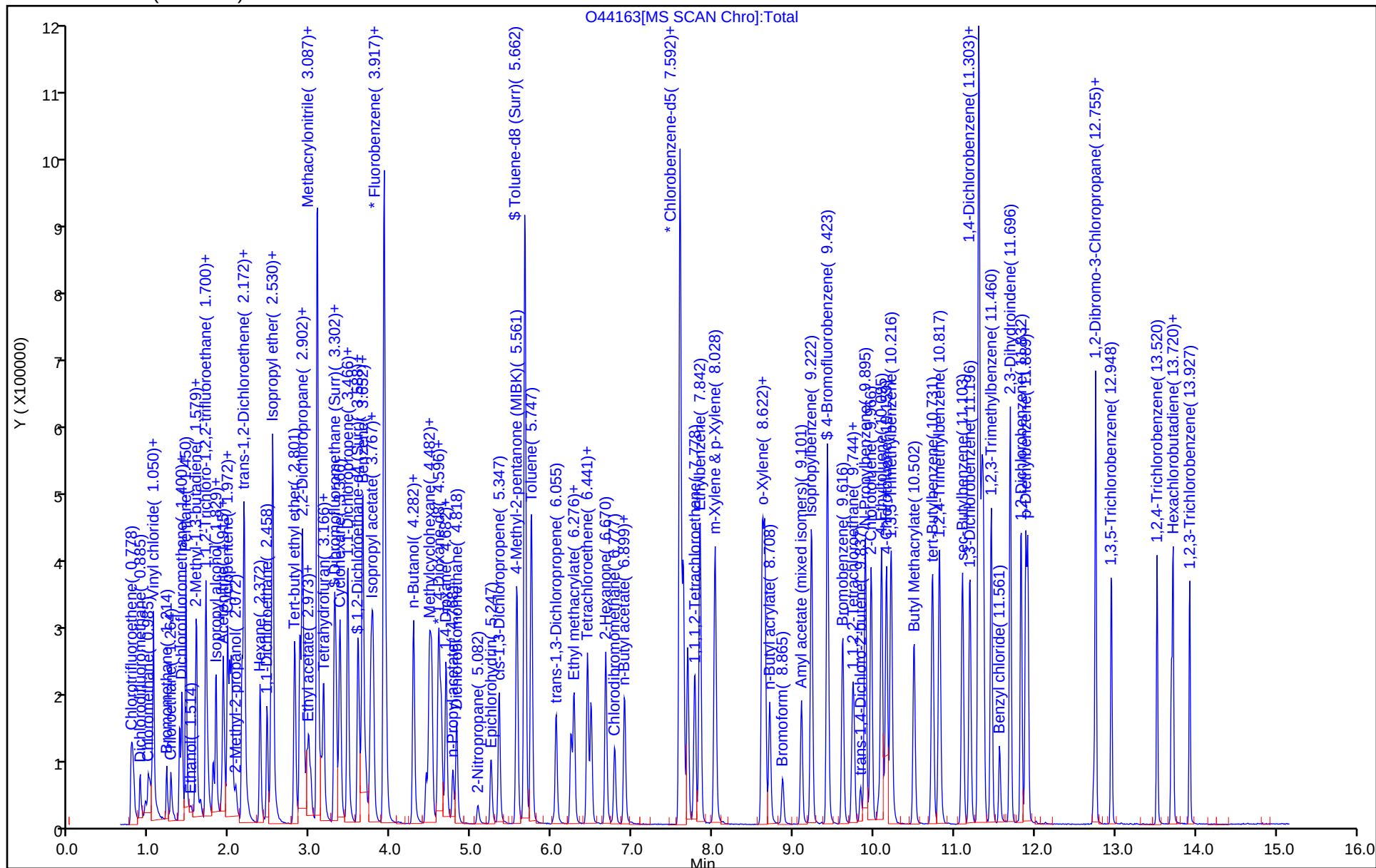
Dil. Factor: 10.0000

ALS Bottle#: 25

Method: 8260W_12

Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1

SDG No.: _____

Instrument ID: CVOAMS12 Start Date: 11/04/2019 07:39Analysis Batch Number: 652570 End Date: 11/04/2019 14:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-652570/1		11/04/2019 07:39	1	O43444.D	DB-624 0.18 (mm)
STD8 460-652570/3 IC		11/04/2019 08:25	1	O43446.D	DB-624 0.18 (mm)
STD05 460-652570/4 IC		11/04/2019 08:50	1	O43447.D	DB-624 0.18 (mm)
STD1 460-652570/5 IC		11/04/2019 09:16	1	O43448.D	DB-624 0.18 (mm)
STD5 460-652570/6 IC		11/04/2019 09:42	1	O43449.D	DB-624 0.18 (mm)
STD20 460-652570/7 ICIS		11/04/2019 10:08	1	O43450.D	DB-624 0.18 (mm)
STD50 460-652570/8 IC		11/04/2019 10:33	1	O43451.D	DB-624 0.18 (mm)
STD200 460-652570/9 IC		11/04/2019 10:59	1	O43452.D	DB-624 0.18 (mm)
STD500 460-652570/10 IC		11/04/2019 11:24	1	O43453.D	DB-624 0.18 (mm)
ICV 460-652570/17		11/04/2019 14:24	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, EdisonJob No.: 460-196269-1

SDG No.: _____

Instrument ID: CVOAMS12Start Date: 11/17/2019 04:03Analysis Batch Number: 656031End Date: 11/17/2019 15:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-656031/1		11/17/2019 04:03	1	O44108.D	DB-624 0.18 (mm)
CCVIS 460-656031/2		11/17/2019 04:26	1	O44109.D	DB-624 0.18 (mm)
LCS 460-656031/3		11/17/2019 04:52	1	O44110.D	DB-624 0.18 (mm)
ZZZZZ		11/17/2019 05:17	1		DB-624 0.18 (mm)
MB 460-656031/8		11/17/2019 07:01	1	O44115.D	DB-624 0.18 (mm)
460-196269-1		11/17/2019 07:26	1	O44116.D	DB-624 0.18 (mm)
460-196269-2		11/17/2019 07:52	1	O44117.D	DB-624 0.18 (mm)
460-196269-4		11/17/2019 08:43	1	O44119.D	DB-624 0.18 (mm)
460-196269-6		11/17/2019 09:09	1	O44120.D	DB-624 0.18 (mm)
460-196269-7		11/17/2019 09:34	1	O44121.D	DB-624 0.18 (mm)
460-196269-8		11/17/2019 10:00	1	O44122.D	DB-624 0.18 (mm)
460-196269-1 MS		11/17/2019 11:17	1	O44125.D	DB-624 0.18 (mm)
460-196269-1 MSD		11/17/2019 11:42	1	O44126.D	DB-624 0.18 (mm)
ZZZZZ		11/17/2019 12:34	1		DB-624 0.18 (mm)
ZZZZZ		11/17/2019 12:59	1		DB-624 0.18 (mm)
ZZZZZ		11/17/2019 13:25	1		DB-624 0.18 (mm)
ZZZZZ		11/17/2019 13:50	1		DB-624 0.18 (mm)
ZZZZZ		11/17/2019 14:16	1		DB-624 0.18 (mm)
ZZZZZ		11/17/2019 14:41	1		DB-624 0.18 (mm)
ZZZZZ		11/17/2019 15:07	1		DB-624 0.18 (mm)
ZZZZZ		11/17/2019 15:33	1		DB-624 0.18 (mm)
ZZZZZ		11/17/2019 15:58	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1

SDG No.: _____

Instrument ID: CVOAMS12 Start Date: 11/17/2019 17:41Analysis Batch Number: 656120 End Date: 11/18/2019 05:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-656120/1		11/17/2019 17:41	1	O44138.D	DB-624 0.18 (mm)
CCVIS 460-656120/3		11/17/2019 18:46	1	O44140.D	DB-624 0.18 (mm)
LCS 460-656120/4		11/17/2019 19:12	1	O44141.D	DB-624 0.18 (mm)
LCSD 460-656120/5		11/17/2019 19:37	1	O44142.D	DB-624 0.18 (mm)
MB 460-656120/9		11/17/2019 21:20	1	O44146.D	DB-624 0.18 (mm)
460-196269-3		11/17/2019 21:56	1	O44147 .D	DB-624 0.18 (mm)
460-196269-5		11/17/2019 22:21	1	O44148.D	DB-624 0.18 (mm)
ZZZZZ		11/18/2019 00:34	1		DB-624 0.18 (mm)
ZZZZZ		11/18/2019 01:00	1		DB-624 0.18 (mm)
ZZZZZ		11/18/2019 01:25	1		DB-624 0.18 (mm)
ZZZZZ		11/18/2019 01:51	1		DB-624 0.18 (mm)
ZZZZZ		11/18/2019 02:16	1		DB-624 0.18 (mm)
ZZZZZ		11/18/2019 02:42	1		DB-624 0.18 (mm)
ZZZZZ		11/18/2019 03:08	1		DB-624 0.18 (mm)
ZZZZZ		11/18/2019 03:33	1		DB-624 0.18 (mm)
ZZZZZ		11/18/2019 03:59	1		DB-624 0.18 (mm)
ZZZZZ		11/18/2019 04:25	1		DB-624 0.18 (mm)
460-196269-3 MS		11/18/2019 04:50	10	O44162.D	DB-624 0.18 (mm)
460-196269-3 MSD		11/18/2019 05:16	10	O44163.D	DB-624 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1

SDG No.: _____

Batch Number: 656031 Batch Start Date: 11/17/19 04:03 Batch Analyst: Tupayachi, AudbertoBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260ISNEW 00127	8260MIX1COMB 00107	8260SURRE250 00203	ACROLEIN W 00098
BFB 460-656031/1		8260C		5 mL	5 mL				
CCVIS 460-656031/2		8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
LCS 460-656031/3		8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
MB 460-656031/8		8260C		5 mL	5 mL	1 uL		1 uL	
460-196269-C-1	MW-12	8260C	T	5 mL	5 mL	1 uL		1 uL	
460-196269-A-2	MW-5	8260C	T	5 mL	5 mL	1 uL		1 uL	
460-196269-A-4	MW-11	8260C	T	5 mL	5 mL	1 uL		1 uL	
460-196269-B-6	MW-104D	8260C	T	5 mL	5 mL	1 uL		1 uL	
460-196269-C-7	MW-X	8260C	T	5 mL	5 mL	1 uL		1 uL	
460-196269-B-8	MW-104S	8260C	T	5 mL	5 mL	1 uL		1 uL	
460-196269-C-1 MS	MW-12	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
460-196269-C-1 MSD	MW-12	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	BFB 00022	GASES Li 00341				
BFB 460-656031/1		8260C		1 uL					
CCVIS 460-656031/2		8260C			20 uL				
LCS 460-656031/3		8260C			20 uL				
MB 460-656031/8		8260C							
460-196269-C-1	MW-12	8260C	T						
460-196269-A-2	MW-5	8260C	T						
460-196269-A-4	MW-11	8260C	T						
460-196269-B-6	MW-104D	8260C	T						
460-196269-C-7	MW-X	8260C	T						
460-196269-B-8	MW-104S	8260C	T						
460-196269-C-1 MS	MW-12	8260C	T		20 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260C

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1

SDG No.: _____

Batch Number: 656031 Batch Start Date: 11/17/19 04:03 Batch Analyst: Tupayachi, AudbertoBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	BFB 00022	GASES Li 00341				
460-196269-C-1 MSD	MW-12	8260C	T		20 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: Eurofins TestAmerica, Edison Job No.: 460-196269-1

SDG No.: _____

Batch Number: 656120 Batch Start Date: 11/17/19 17:41 Batch Analyst: Tupayachi, AudbertoBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260ISNEW 00127	8260MIX1COMB 00107	8260SURR250 00203	ACROLEIN W 00098
BFB 460-656120/1		8260C		5 mL	5 mL				
CCVIS 460-656120/3		8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
LCS 460-656120/4		8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
LCSD 460-656120/5		8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
MB 460-656120/9		8260C		5 mL	5 mL	1 uL		1 uL	
460-196269-B-3	MW-10	8260C	T	5 mL	5 mL	1 uL		1 uL	
460-196269-B-5	MW-6	8260C	T	5 mL	5 mL	1 uL		1 uL	
460-196269-B-3 MS	MW-10	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
460-196269-B-3 MSD	MW-10	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	BFB 00022	GASES Li 00341				
BFB 460-656120/1		8260C		1 uL					
CCVIS 460-656120/3		8260C			20 uL				
LCS 460-656120/4		8260C			20 uL				
LCSD 460-656120/5		8260C			20 uL				
MB 460-656120/9		8260C							
460-196269-B-3	MW-10	8260C	T						
460-196269-B-5	MW-6	8260C	T						
460-196269-B-3 MS	MW-10	8260C	T		20 uL				
460-196269-B-3 MSD	MW-10	8260C	T		20 uL				

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260C

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-196269-1

SDG No.: _____

Batch Number: 656120 Batch Start Date: 11/17/19 17:41 Batch Analyst: Tupayachi, AudbertoBatch Method: 8260C Batch End Date: _____

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

NYC

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice) STEVE GOETE		Samplers Name (Printed) EM		Site/Project Identification DEC SUNNYSIDE 50	
Company EM		P. O. # 24 1123		State (Location of site): NJ: ☐ NY: ☒ Other: ☐	
Address 225 ARANTZ AVENUE		Analysis Turnaround Time Standard ☒ 10 DAY Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program: NYSDEC DKQP: ☐	
City PHILADELPHIA		State PA		LAB USE ONLY Project No:	
Phone 631.447.6400		Fax		Job No: 196 269	
Sample Identification		Date	Time	Matrix	No. of Cont.
MW-12	11/05/19	0940	AQ	9	1
MW-5	11/05/19	1015	AQ	3	2
MW-10	11/05/19	1050	AQ	3	3
MW-11	11/05/19	1115	AQ	3	4
MW-6	11/05/19	1310	AQ	3	5
MW-104D	11/05/19	1200	AQ	3	6
MW-X	11/05/19	X	AQ	3	7
MW-104S	11/05/19	1240	AQ	3	8
Sample Numbers					

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

AS	MS	MSD
----	----	-----

Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH
6 = Other, 7 = Other

Water: 2



460-196269 Chain of Custody

Special Instructions

Relinquished by EM	Company EM	Date / Time 11/05/19 1600	Received by SAMPLE BEEREN	Company SAR
Relinquished by EM	Company EM	Date / Time 11/05/19 1230	Received by WILLIAM A. NALCOTA	Company EM
Relinquished by EM	Company EM	Date / Time 11/05/19 1230	Received by EM	Company EM
Relinquished by EM	Company EM	Date / Time 11/05/19 1600	Received by EM	Company EM

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0715)

Job Number:

196269

Number of Coolers:

IR Gun #

10

Cooler Temperatures

RAW		CORRECTED		RAW		CORRECTED	
Cooler #1:	2.8	2.8	2.8	Cooler #4:	2.8	2.8	2.8
Cooler #2:	2.8	2.8	2.8	Cooler #5:	2.8	2.8	2.8
Cooler #3:	2.8	2.8	2.8	Cooler #6:	2.8	2.8	2.8

[illegible]

If pH adjustments are required record the information below:

Sample No(s). adjusted:

Preservative Name/Conc.:

Lot # of Preservative(s):

Expiration Date:

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials:

Date:

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-196269-1

Login Number: 196269

List Source: Eurofins TestAmerica, Edison

List Number: 1

Creator: Meyers, Gary

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
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 $<6\text{mm}$ (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.



APPENDIX E



ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

To: Steven Goetz
Environmental Assessment &
Remediations
225 Atlantic Avenue
Patchogue, NY 11772

From: Tracey Evans

Date: 12/10/2019

Subject: NYSDEC Spill # 241123, Former Cleaners Products Supply, 50-45 Barnett Ave.,
Sunnyside, New York- Data Usability Summary Report

The Following Items Are Being Transmitted:
Data Package:

Originals	Description of Materials	Electronic/ Hard Copy
1	460-196269-1 Ny_CatB_Package_Mini_Final Report.pdf	Electronic
1	460-196269-1_EquNysdec.xls	Electronic

Signature:

Tracey Evans
Chemist
evans@enviro-asmnt.com
Environmental Assessment & Remediations
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.146



**Former Cleaners Products Supply, 50-45 Barnett Ave. Data Usability
Summary Report for November 5, 2019 Water Sample**

Client: Environmental Assessment & Remediations, Patchogue, New York

Laboratory: Eurfins Environmental Testing, TESTAMERICA -EDISON, (NYDOH lab id 11452)

Site: Former Cleaners Products Supply (Spill# 241123) (DEC-SUNNYSIDE50)

Lab Job ID: <u>460-196269-1</u>				Methods Evaluated	
Lab ID	Field ID	Collection Date	Matrix	8260C	Moisture
460-196269-1	MW-12	11/5/2019	water	x	x
460-196269-2	MW-5	11/5/2019	water	x	x
460-196269-3	MW-10	11/5/2019	water	x	x
460-196269-4	MW-11	11/5/2019	water	x	x
460-196269-5	MW-6	11/5/2019	water	x	x
460-196269-6	MW-104D	11/5/2019	water	x	x
460-196269-7	MW-X	11/5/2019	water	x	x
460-196269-8	MW-104S	11/5/2019	water	x	x

Samples were analyzed under (depends on testing):

- USEPA Region 2 *Volatile Organic Compounds by Gas Chromatograph/Mass Spectrometry*, SOP HW-24, Revised 4 (September 2014)
- USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data Review, EPA 540-R-2017-002 (January 2)
- EPA SW 846, Third Edition, Test Method for Evaluating Soil Waste, updated July 2014

Criteria for Data Usability Summary Report

Completeness:

A complete data package is one that has all relevant and related material packaged for distribution to its client in accordance to the Analytical Service Protocol (ASP) Category B Deliverables guidelines.



Compliant:

A compliant data package is one that is determined to have all work that pertains to the production of the laboratory data in a manner that is consistent with the Quality Assurance Program Plan.

Overall Usability Issues

Data validation was completed in accordance to the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.

This analytical report complies to the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.

- There was no rejection of data.

In conclusion, the data reviewed in this report is usable as estimates and valid as it passes all stated criterion for compliance for methods 8260C and Moisture.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.



Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronaphthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate



Data Validation Acronyms

ND	Non-detected or Not Detected
PID	Photo Ionization Detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation



Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
C	This qualifier applies to results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS)
X	This qualifier applies to results when GC/MS analysis was attempted but unsuccessful

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.
2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

Client: Environmental Assessment & Remediations, Patchogue, New York
Laboratory: Eurfins Environmental Testing TESTAMERICA -EDISON, (NYDOH lab id 11452)
Site : Former Cleaners Products Supply (Spill# 241123) (DEC-SUNNYSIDE50)

Method Review: 8260C

Lab Job ID: 460-196269-1

Lab ID	Field ID	Collection Date	Matrix
460-196269-1	MW-12	11/5/2019	water
460-196269-2	MW-5	11/5/2019	water
460-196269-3	MW-10	11/5/2019	water
460-196269-4	MW-11	11/5/2019	water
460-196269-5	MW-6	11/5/2019	water
460-196269-6	MW-104D	11/5/2019	water
460-196269-7	MW-X	11/5/2019	water
460-196269-8	MW-104S	11/5/2019	water

Reviewer Summary :

Samples were handled and analyzed properly under EPA Region 2 protocol Standard Operating Procedure (SOP) HW-24. Several failures in quality control occurred in laboratory control samples, matrix samples and continuous calibration but none lead to qualification. Field Duplicates MW-104S and MW-X were well compared within criteria. Data is within category B criterion and some is usable.

Client: Environmental Assessment & Remediations, Patchogue, New York
Laboratory: Eurfins Environmental Testing TESTAMERICA -EDISON, (NYDOH lab id 11452)
Site : Former Cleaners Products Supply (Spill# 241123) (DEC-SUNNYSIDE50)
Job ID: 460-196269-1



8260C

Criteria	Y	N	NA	Comment
A. Sample Receipt				
Technical Hold Time of 7 days not preserved or 14 days preserved (pH<2)	x			
Cooling Temp = 4°C ± 2°C	x			
B. GC/MS Instrument Performance Check				
Were BFB performance results with in criteria?	x			
Were all samples analyzed within the 12 hour time period	x			
C. Initial Calibration				
Was a 5 point calibration run?	x			
RSD% should be less then 20% for each target analyte, was RRF with in CCCs and SPCCs within bounds?	x			
Was curve fit used for evaluation? If yes did the I.C. meet the curve fit acceptability of ≥0.990 ?	x			
Was the Initial Calibration Verification (ICV) done after the I.C., were (%D)≤ 30% or (%R) 70-130% for compound recovery	x			
D. Continuing Calibration				
Was it done every 12 hours after I.C. to verify it?	x			While Bromoform and Chloromethane were outside of

Criteria	Y	N	NA	Comment
Were (%D)≤ 30% and relative respond factors (RRF) within bounds within CCCs and SPCCs, was RRF difference≥0.05?	x			criteria no further qualification is needed.
E. Laboratory Blanks				
Was a lab blank associated with each sample of SDG	x			
Was blank analyzed every 12 hours?	x			
Were contamination found, if so qualification may be necessary.		x		
subsection : Field Blanks				
Was a field blanks associated with each sample of SDG?			x	
Were target compounds detected in it?			x	
F. Surrogate spikes				
Were Surrogate percent recovery (%R) within QC limits?	x			
If the (R%) for one or more surrogates were out of QC, was reanalysis performed to confirm %R?			x	
G. Matrix Spike/Matrix duplicate				MW-12MS/MSD
Were MS and MSD analyzed for SGD?	x			Analytes Tetrachloroethene and cis-1,2-Dichloropropene within MS and MSD failed did not lead to qualification.
Was MS/MSD done every 20 samples ?	x			
Were MS/MSD (%R) and RPD with in QC?		x		
H. Laboratory control sample				
Was LCS analysis for this SDG?	x			Analyte cis-1,3-Dichloropropene was above criteria limits but did not lead to qualification.
Was LCS analysis per analysis batch?	x			
Was LCS (R%) and (RPD%) within QC Limits?		x		

Criteria	Y	N	NA	Comment
subsection: Field Duplicate				MW-104S and MW-X
Were field duplicates identified in this SGD?	x			Field Duplicates were well within criteria of comparison for detected compounds.
Were target compounds detected in it?	x			
subsection: Internal Compounds				
Were counts within 50% to 200% of associated calibration standard?	x			
Were retention times within ± 10 sec of cal. standard?	x			
I. Target Compound Identification				
Were all ions present in standard mass spectrum at relative intensities of $\geq 10\%$?	x			
Did the spectrum meet EPA "Functional Guidelines"?	x			
Were relative intensities of these ions within $\pm 20\%$ between standard and sample spectra?	x			
J. Tentative Analyte Quantitation and CRQL				
Were target analyte results and sample specific CRQLs calculated according to equations?	x			
Were RRF calculated correctly towards method?	x			
K. Tentative Identification Compounds				
Were National Functional Guidelines followed for TIC processing?	x			
L. Regional EPA QA/QC				
Were regional protocol of QA/AC protocols used in evaluation data?	x			
M. Overall assessment of data				
Was Overall assessment of data found to be acceptable?	x			

Comments: All results are within Cat. B criterion and usable.

Calculation Spot Check

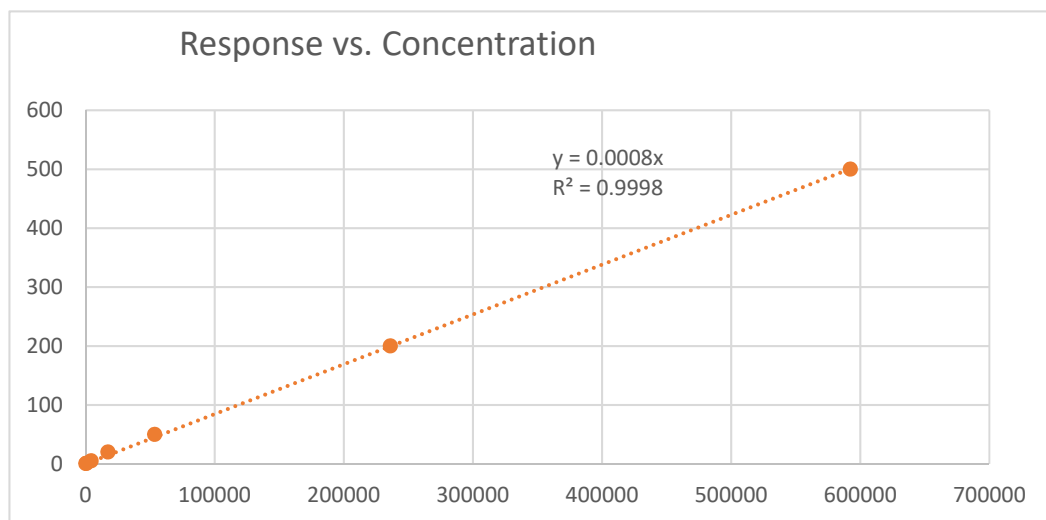
instrument CVOAMS12

ICV Date: 11/04/2019 12:18

Compound: Chloromethane

Curve Evaluation Response vs. Concentration

L1	-	-	-
L2	1.0651	360	0.5
L3	1/1837	921	1
L4	1.1256	4477	5
L5	1.0716	17504	20
L6	1.2845	53605	50
L7	1.404	236207	200
L8	1.334	592420	500
average	1.214133333		
RSD	12.0		



Blind Duplicate	Blind Duplicate	Original Sample	Relative Percent Difference
Well	MW-104S	MW-X	
1,2-DICHLOROETHANE-D4	48	51	4.29
4-BROMOFLUOROBENZENE	43	44	1.63
DIBROMOFLUOROMETHANE	51	52	1.37
TOLUENE-D8	51	52	1.30
1,1,1-TRICHLOROETHANE	-	-	-
1,1,2,2-TETRACHLOROETHANE	-	-	-
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	-	-	-
1,1,2-TRICHLOROETHANE	-	-	-
1,1-DICHLOROETHANE	-	-	-
1,1-DICHLOROETHENE	-	-	-
1,2,4-TRICHLOROBENZENE	-	-	-
1,2-DIBROMO-3-CHLOROPROPANE	-	-	-
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	-	-	-
1,2-DICHLOROBENZENE	-	-	-
1,2-DICHLOROETHANE	-	-	-
1,2-DICHLOROPROPANE	-	-	-
1,3-DICHLOROBENZENE	-	-	-
1,4-DICHLOROBENZENE	-	-	-
2-HEXANONE	-	-	-
ACETONE	-	-	-
BENZENE	-	-	-
BROMODICHLOROMETHANE	-	-	-
BROMOFORM	-	-	-
BROMOMETHANE	-	-	-
CARBON DISULFIDE	-	-	-
CARBON TETRACHLORIDE	-	-	-
CHLOROBENZENE	-	-	-
CHLOROETHANE	-	-	-
CHLOROFORM	-	-	-
CHLOROMETHANE	-	-	-
CIS-1,2-DICHLOROETHYLENE	55	54	1.30
CIS-1,3-DICHLOROPROPENE	-	-	-
CYCLOHEXANE	-	-	-
DIBROMOCHLOROMETHANE	-	-	-
DICHLORODIFLUOROMETHANE	-	-	-
ETHYLBENZENE	-	-	-

Isopropylbenzene (Cumene)	-	-	-
METHYL ACETATE	-	-	-
METHYL ETHYL KETONE (2-BUTANONE)	-	-	-
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	-	-	-
METHYLCYCLOHEXANE	-	-	-
METHYLENE CHLORIDE	-	-	-
STYRENE	-	-	-
TERT-BUTYL METHYL ETHER	-	-	-
TETRACHLOROETHYLENE(PCE)	89	85	3.25
TOLUENE	-	-	-
TRANS-1,2-DICHLOROETHENE	5	5	0.00
TRANS-1,3-DICHLOROPROPENE	-	-	-
TRICHLOROETHYLENE (TCE)	61	59	2.36
TRICHLOROFLUOROMETHANE	-	-	-
VINYL CHLORIDE	-	-	-
Xylenes	-	-	-

Reviewer comment: Comparing Duplicate pair MW-104S and MW-X samples results are within acceptable quantities. There are no qualification which will be added to this data.