

July 30, 2021
Langan Project #002529101

Sent via Email to: Tran.Tran@epa.gov

Ms. Tran Tran
Project Manager
U.S. EPA, Region III
1650 Arch Street
Mail Code: 3LC30
Philadelphia, PA 19103-2029

**RE: 2nd Quarter 2021 Progress Report
Former Thomas & Betts/Ansley Facility
1501 West Park Avenue, Perkasie, Bucks County, PA
EPA ID No. PAD002498699**

Dear Ms. Tran:

On behalf of ABB Installation Products (ABB IP, formerly known as Thomas & Betts Corporation), Langan Engineering and Environmental Services, Inc. (Langan) is providing the United States Environmental Protection Agency (USEPA) with this Quarterly Progress Report for the Former Thomas and Betts/Ansley (T&B) Facility in Perkasie, PA ('Site'). It summarizes activities that were completed in the Second Quarter of 2021 and provides a projection of activities that are expected to take place during the Third Quarter of 2021.

ACTIVITIES COMPLETED OR INITIATED

The following activities were completed during the reporting period, between April 1, 2021 and June 30, 2021:

Groundwater Extraction/Treatment System Operations

- IES Engineers (IES) performs on-going operation and maintenance of the groundwater extraction and treatment system for ABB IP. The groundwater system operates under National Pollutant Discharge Elimination System (NPDES) Permit No. PA 0040321, under the jurisdiction of the Pennsylvania Department of Environmental Protection (PADEP).

Pumping wells MW-4 and MW-6s operated continuously during the Second Quarter of 2021. From April 1 through June 30, 2021, the average pumping rates for onsite extraction MW-4 and MW-6s were 2.79 gallons per minute (gpm) and 2.86 gpm, respectively.

Since April 1, 2021, IES has collected three sets of influent and effluent samples (on April 14th, May 11th and June 10th). Trichloroethene (TCE) concentrations detected in the combined

influent samples during this period ranged from 1,200 to 1,400 micrograms per liter ($\mu\text{g/L}$). TCE concentrations detected in the effluent samples were non-detect (ND) for the April and May samples, and 2.1 $\mu\text{g/L}$ for the June sample. The TCE result for the June 2021 effluent sample is less than the NPDES-permitted average monthly and instantaneous maximum effluent limits for TCE.

Quarterly Monitoring Well Gauging and Sampling

- On April 1, 2021, Langan completed groundwater gauging of monitoring wells and collected groundwater samples (parent and duplicate samples) from monitoring well MW-7s at the Site. The quarterly gauging and sampling event was completed in accordance with long-term monitoring measures stipulated in the USEPA-approved December 2020 Post-Remediation Care Plan (PRCP). MW-7s is located approximately 50 feet northwest of the northern corner of the Site and outside the Technical Impracticability (TI) Zone. Prior to the previous (January 2021) sampling event, the TCE concentrations detected at this location was above the USEPA Maximum Contaminant Level (MCL) of 5 $\mu\text{g/L}$; however, the extent of TCE in groundwater was delineated vertically (by MW-7i) and in the northward down-gradient direction (at MW-8s and MW-8i). ABB IP and USEPA agreed to monitor MW-7s on a more frequent (i.e., quarterly) basis than the other perimeter monitoring wells, which are monitored annually. The more frequent monitoring of MW7s is planned for at least the first year after pumping reconfiguration that occurred in June 2020. There is a plan to further reduce the sampling frequency thereafter, if supported by the data and approved by USEPA.

On April 1, 2021, prior to groundwater sampling, depth-to-water (DTW) was measured in each of the Site monitoring wells, which monitor groundwater in shallow and intermediate depth bedrock (see Table 1). DTW measurements were converted to elevation above mean sea level using surveyed reference-point elevations (North American Vertical Datum of 1988 [NAVD-88]), as presented in Table 1. The groundwater elevation contours are depicted on Figures 1 (shallow bedrock zone) and 2 (intermediate bedrock zone). Note that the groundwater extraction system was active during the gauging and sampling event (i.e., recovery wells MW-4 and MW-6s were pumping). Based on groundwater elevation data, it is evident that groundwater capture extends off-Site to the northwest in both the shallow and intermediate bedrock zones, as shown on Figures 1 and 2. The inferred capture zones using the April 2021 elevation data are similar to those calculated prior to the cessation of pumping at MW-5 and initiation of pumping at MW-6s.

Groundwater from MW-7s was purged and sampled using the low-flow/minimal-drawdown method. Groundwater quality parameters, purge rates, and depth-to-water readings were collected every five minutes during low-flow purging of MW-7s. The low-flow sampling data sheet from the April 2021 event is provided as Attachment A. The parent and duplicate groundwater samples from MW-7s, as well as a field blank and a trip blank, were analyzed by a PA-certified laboratory for select Chlorinated Volatile Organic Compounds (CVOCs)¹, 1,4-dioxane and lead, in accordance with the PRCP. Table 2 presents a summary of the April 2021 groundwater analytical results, as well as historic groundwater analytical results for this

¹ TCE, cis-1,2-dichloroethene (DCE), and 1,1,-DCE by USEPA Method 8260C, lead by USEPA Method 6010D, and 1,4-dioxane by USEPA Method 8260C SIM.

well, in comparison to the USEPA Residential Drinking Water MCLs and PADEP Groundwater Medium-Specific Concentrations (MSCs) for Residential and Non-Residential Used Aquifers. The laboratory analytical report for the April 2021 sampling event is included as Attachment B.

Groundwater analytical results indicated that TCE was detected at concentrations of 1.2 µg/L and 1.1 µg/L in the parent and duplicate samples, respectively, collected from MW-7s in April 2021. As shown in Table 2, this is the second consecutive quarterly sampling event and the second instance since 2008 when MW-7s was installed that the TCE concentration is below the USEPA MCL and PADEP Residential and Non-Residential MSCs, all of which are 5 µg/L. Cis-1,2-DCE was detected at a concentration of 1.2 µg/L in both the parent and duplicate groundwater samples collected from MW-7s in April 2021; this concentration is well below the USEPA MCL and PADEP Residential and Non-Residential MSCs for cis-1,2-DCE, all of which are 70 µg/L. 1,1-DCE, and 1,4-dioxane were not detected above the laboratory Method Detection Limits (MDLs), all of which are below the respective USEPA and PADEP standards, in MW-7s groundwater. Lead was detected at laboratory-approximated values of 6.5 J µg/L (parent sample) and 6.9 J µg/L (duplicate sample), which are slightly above the PADEP MSC of 5 µg/L (both Residential and Non-Residential) but below the USEPA MCL of 15 µg/L. The lead concentrations are similar to those detected in MW-7s groundwater during the previous sampling events completed in January 2021 and October 2020 (see Table 2).

PLANNED ACTIVITIES

The following activities are planned for the next quarter, from April 1, 2021 through June 30, 2021:

Annual Private Well Sampling and Groundwater Gauging and Sampling

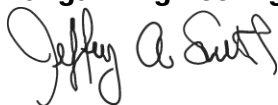
- On behalf of ABB IP, Langan will complete the annual private well sampling and groundwater gauging and sampling in July 2021. The annual sampling event will be completed in accordance with the long-term groundwater monitoring plan presented in the Post-Remediation Care Plan. The results of the annual sampling event will be documented in the Third Quarter 2021 Progress Report, to be submitted to USEPA on or before October 31, 2021.

CLOSING

If you have any questions or should you require additional information, please call me at (215) 845-8915.

Sincerely,

Langan Engineering & Environmental Services, Inc.



Jeffrey A. Smith, P.G.
Associate

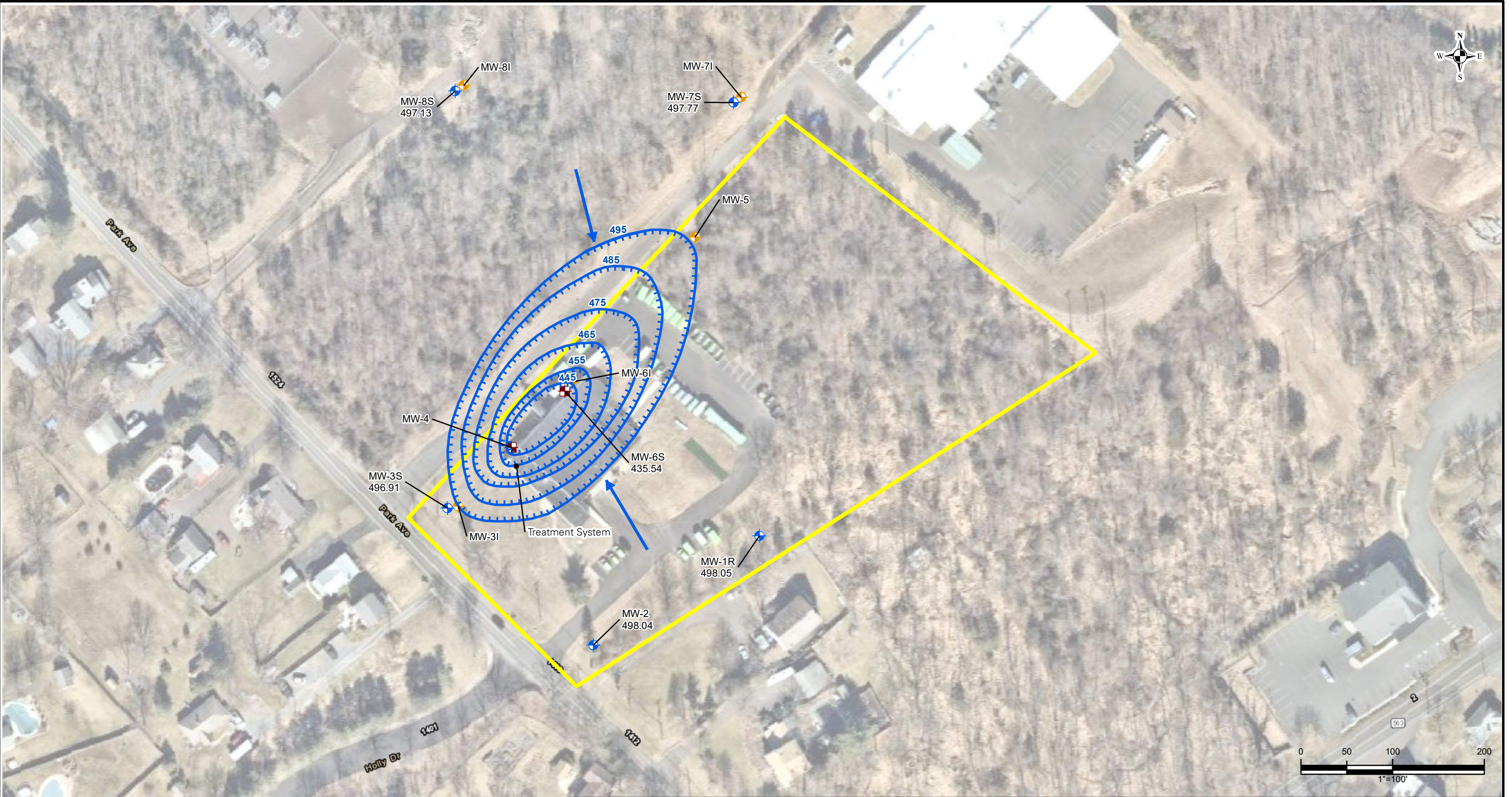
Enclosures

Figure 1 – Pumping Shallow Bedrock Groundwater Elevation Contours: April 1, 2021
Figure 2 – Pumping Intermediate Bedrock Groundwater Elevation Contours: April 1, 2021
Table 1 – Monitoring Well Groundwater Gauging and Elevation Summary: April 1, 2021
Table 2 - MW-7S Groundwater Analytical Data Summary: 2008 - 2021
Attachment A – MW-7s Low-Flow Groundwater Sampling Data Sheet: April 1, 2021
Attachment B - Laboratory Data Package: April 2021 Groundwater Sampling Event

Cc: Ms. Melody Christopher (ABB IP – Environmental Project Manager)
Mr. Rick Sacks (IES)
Mr. Joel Hennessy (EPA)
Mrs. Cortney Savidge (Langan)

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FIGURES



Legend

- MW-2
498.04

Shallow Bedrock Well with Groundwater Elevation
- MW-6S
435.54

Recovery Well with Groundwater Elevation
- MW-5

Intermediate Bedrock Wells
- Shallow Groundwater Contour
(dashed where inferred)
- Groundwater Depression
(dashed where inferred)
- Apparent Groundwater Flow Direction
- Property Boundary

Notes:
1. Groundwater contours consider shallow groundwater elevations only.
2. Groundwater gauging was completed by Langan on April 1, 2021.
3. Groundwater recovery and treatment system was active during groundwater gauging (i.e. wells MW-4 and MW-6S were pumping).
4. Aerial photography provided by Nearmap.com, dated 2/19/2020.

LANGAN

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Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying and
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Langan International LLC
Collectively known as Langan

Project

**FORMER THOMAS
& BETTS ANSLEY
FACILITY**

PERKASIE

BUCKS COUNTY

PENNSYLVANIA

Drawing Title

**PUMPING SHALLOW
GROUNDWATER
ELEVATIONS
APRIL 1, 2021**

Project No.

2529101

Date

7/15/2021

Scale

1"=100'

Drawn By

JF

Submission Date

Figure

1



Legend

MW-2
349.16

MW-4
349.16

MW-5
495.90

Intermediate Groundwater Contour
(dashed where inferred)

Groundwater Depression
(dashed where inferred)

Shallow Bedrock Well

Recovery Well with Groundwater Elevation

Intermediate Bedrock Well with Groundwater Elevation

Apparent Groundwater Flow Direction

Property Boundary

Notes:

1. Groundwater contours consider intermediate groundwater elevations only.

2. Groundwater gauging was completed by Langan on April 1, 2021.

3. Groundwater recovery and treatment system was active during groundwater gauging (i.e. wells MW-4 and MW-6S were pumping).

4. Aerial photography provided by Nearmap.com, dated 2/19/2020.

5. MW-3I elevation not used due to anomalous reading.

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Project

**FORMER THOMAS
& BETTS ANSLEY
FACILITY**

PERKASIE

BUCKS COUNTY PENNSYLVANIA

Drawing Title

**PUMPING INTERMEDIATE
GROUNDWATER
ELEVATIONS
APRIL 1, 2021**

Project No. 2529101	Figure 2
Date 7/15/2021	
Scale 1"=100'	
Drawn By JF	
Submission Date	

TABLES

Table 1
Groundwater Gauging Data Summary: April 1, 2021
Former Thomas and Betts / Ansley Facility
1501 West Park Avenue, Perkasie, Bucks County, PA
Langan Project No. 002529110

Date 4/1/2021

Site Former Thomas & Betts facility, 1501 W. Park Avenue, Perkasie, PA

Personnel Mike Solt, Geologist (Langan)

Well ID	Reference Point Elevation (ft amsl)	Well Depth (ft bgs)	Sampling Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to Bottom (ft below TOC)	PID (ppm)	Time (EST)	Groundwater Elevation (ft amsl)
MW-1R	533.90	140	N/A	35.85	142.33	0.0	11:24	498.05
MW-2	531.87	85	N/A	33.83	85.30	0.0	11:14	498.04
MW-3	538.84	155	N/A	41.93	156.19	0.0	11:36	496.91
MW-3i	537.53	285	N/A	1.02	292.7	0.0	11:42	536.51
MW-4	540.73	213	–	191.57	NM	3.8	12:45	349.16
MW-5	541.75	215	–	44.85	226.9	0.1	12:02	496.90
MW-6s	539.26	138	NA	103.72	NM	344.3	12:34	435.54
MW-6i	539.33	188	N/A	29.86	187.52	0.0	12:19	509.47
MW-7s	540.55	135	125	42.78	134.74	0.0	13:24	497.77
MW-7i	540.76	165	N/A	44.18	167.15	0.0	13:10	496.58
MW-8s	535.45	140	N/A	38.32	140.20	0.0	10:36	497.13
MW-8i	535.42	212	N/A	38.38	211.63	0.0	10:52	497.04

Notes:

Pumping well for the groundwater remediation system. Pumping was active during well gauging.

ID Identification

ft Feet

amsl Above mean sea level

bgs Below ground surface

TOC Top of Casing

PID Photoionization detector

ppm Parts per million

EST Eastern Standard Time

NM Not measured

Table 2

MW-7S Groundwater Analytical Data Summary: 2008 - 2021

Former Thomas and Betts / Ansley Facility

1501 West Park Avenue, Perkasie, Bucks County, PA

Langan Project #2529110

	PADEP Groundwater MSC for a Residential Used Aquifer (TDS ≤ 2,500)	PADEP Groundwater MSC for a Non- Residential Used Aquifer (TDS ≤ 2,500)	EPA Region 3 Residential Drinking Water MCLs	Well ID Sample ID Lab Sample ID Sampling Date Sample Depth Dilution Factor System Status¹	MW-7s																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Notes:

22	- Laboratory MDL exceeds one or more regulatory criteria.
160	- Result exceeds the EPA Residential Drinking Water MCL and the PADEP Groundwater MSCs for Residential and Non-Residential Used Aquifer scenarios
10.9	- Result exceeds the PADEP Groundwater MSCs for Residential and Non-Residential Used Aquifer scenarios

¹ - Groundwater extraction and recovery system status during sampling. Pumping indicates the system was active, and Non-Pumping indicates the system was shut-down.

² - Iron and manganese are not Site constituents of concern and were analyzed for system optimization data only. Therefore, regulatory criteria for these analytes are not reported.

PADEP - Pennsylvania Department of Environmental Protection

EPA - U.S. Environmental Protection Agency

MSC - Medium-Specific concentration

MCL - Maximum Contaminant Level

TDS - Total Dissolved Solids

NS - No standard available

µg/L - micrograms per liter

' bgs - feet below ground surface

Q - Laboratory qualifier

MDL - Laboratory Method Detection Limit

ND - Compound not detected above respective laboratory MDL

NA - Not Analyzed

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

* - Laboratory control sample (LCS) or LCS duplicate is outside acceptance limits.

Table 2
MW-7S Groundwater Analytical Data Summary: 2008 - 2021
Former Thomas and Betts / Ansley Facility
1501 West Park Avenue, Perkasie, Bucks County, PA
Langan Project #2529110

	PADEP Groundwater MSC for a Residential Used Aquifer (TDS ≤ 2,500)	PADEP Groundwater MSC for a Non- Residential Used Aquifer (TDS ≤ 2,500)	EPA Region 3 Residential Drinking Water MCLs	Well ID Sample ID Lab Sample ID Sampling Date Sample Depth Dilution Factor System Status ¹	Field Blanks for Quality Assurance																											
					FB-1_072618			FB-2_072718			FB-1_012219			FB-2_012319			FB-1_072220			FB-2_072320			FB-1_100620			FB-1_010721			FB-1_040121			
					460-161436-12			460-161436-13			460-174009-5			460-174009-11			460-213996-6			460-214232-7			460-220169-3			460-226054-3			460-231372-3			
					7/26/18 18:15			7/27/18 15:00			1/22/19 16:30			1/23/19 12:15			7/22/20 15:00			7/23/20 0:00			10/06/2020 14:15:00			01/07/2021 14:40:00			4/1/21 19:25			
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1			1			1			1			1			1			1			1			1			1			1		
Non-Pumping			Non-Pumping			Pumping			Pumping			Pumping			Pumping			Pumping			Pumping			Pumping			Pumping			Pumping		
Volatile Organic Compounds (VOCs) by Method SW846 8260C/D					Units	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
1,1,1-Trichloroethane	200	200	200	µg/L	ND			0.24	ND			0.24	ND			0.24	NA			-	NA			-	NA			-	NA			-
1,1,2-Trichloroethane	5	5	5	µg/L	ND			0.43	ND			0.43	ND			0.43	NA			-	NA			-	NA			-	NA			-
1,1-Dichloroethane	31	160	NS	µg/L	ND			0.26	ND			0.26	ND			0.26	NA			-	NA			-	NA			-	NA			-
1,1-Dichloroethene	7	7	7	µg/L	ND			0.12	ND			0.12	ND			0.12	ND			0.26	ND			0.26	ND			0.26	ND			0.26
1,2-Dichloroethane	5	5	5	µg/L	ND	*		0.43	ND	*		0.43	ND			0.43	NA			-	NA			-	NA			-	NA			-
Chloroethane	250	1,200	NS	µg/L	ND			0.32	ND			0.32	ND			0.32	NA			-	NA			-	NA			-	NA			-
cis-1,2-Dichloroethene	70	70	70	µg/L	ND			0.22	ND			0.22	ND			0.22	ND			0.22	ND			0.22	ND			0.22	ND			0.22
trans-1,2-Dichloroethene	100	100	100	µg/L	ND			0.24	ND			0.24	ND			0.24	NA			-	NA			-	NA			-	NA			-
Trichloroethene	5	5	5	µg/L	ND			0.31	ND			0.31	ND			0.31	ND			0.31	ND			0.31	ND			0.31	ND			0.31
Vinyl chloride	2	2	2	µg/L	ND			0.17	ND			0.17	ND			0.17	NA			-	NA			-	NA			-	NA			-
Volatile Organic Compounds (VOCs) by Method SW846 8260C/D SIM					Units	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
1,4-Dioxane	6.4	32	NS	µg/L	ND			0.20	ND			0.20	ND			0.20	ND			0.33	ND			0.33	ND			0.33	ND			0.33
Metals by Methods 6010D & 6020B					Units	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Cadmium	5	5	5	µg/L	ND			0.22	ND			0.22	ND			0.22	NA			-	NA			-	NA			-	NA			-
Iron ²	-	-	-	µg/L	ND			34.2	ND			34.2	NA			-	NA			-	NA			-	NA			-	NA			-
Lead	5	5	15	µg/L	ND			2.5	ND			2.5	ND			2.5	NA			-	NA			-	ND			2.4	ND			2.4
Manganese ²	-	-	-	µg/L	ND			0.99	ND			0.99	NA			-	NA			-	NA			-	NA			-	NA			-
Metals by Method 7470A					Units	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Mercury	2	2	2	µg/L	ND			0.12	ND			0.12	NA			-	NA			-	NA			-	NA			-	NA			-

Notes:

- 22

- Laboratory MDL exceeds one or more regulatory criteria.
- 160

- Result exceeds the EPA Residential Drinking Water MCL and the PADEP Groundwater MSCs for Residential and Non-Residential Used Aquifer scenarios
- 10.9

- Result exceeds the PADEP Groundwater MSCs for Residential and Non-Residential Used Aquifer scenarios

¹ - Groundwater extraction and recovery system status during sampling. Pumping indicates the system was active, and Non-Pumping indicates the system was shut-down.

² - Iron and manganese are not Site constituents of concern and were analyzed for system optimization data only. Therefore, regulatory criteria for these analytes are not reported.

- PADEP - Pennsylvania Department of Environmental Protection
- EPA - U.S. Environmental Protection Agency
- MSC - Medium-Specific concentration
- MCL - Maximum Contaminant Level
- TDS - Total Dissolved Solids
- NS - No standard available
- µg/L - micrograms per liter
- ' bgs - feet below ground surface
- Q - Laboratory qualifier
- MDL - Laboratory Method Detection Limit
- ND - Compound not detected above respective laboratory MDL
- NA - Not Analyzed
- J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- * - Laboratory control sample (LCS) or LCS duplicate is outside acceptance limits.

Table 2
MW-7S Groundwater Analytical Data Summary: 2008 - 2021
Former Thomas and Betts / Ansley Facility
1501 West Park Avenue, Perkasio, Bucks County, PA
Langon Project #2529110

	PADEP Groundwater MSC for a Residential Used Aquifer (TDS ≤ 2,500)	PADEP Groundwater MSC for a Non- Residential Used Aquifer (TDS ≤ 2,500)	EPA Region 3 Residential Drinking Water MCLs	Well ID Sample ID Lab Sample ID Sampling Date Sample Depth Dilution Factor System Status ¹	Trip Blanks for Quality Assurance																							
					TRIP BLANK			TRIP BLANK			TRIP BLANK			TRIP BLANK			TRIP BLANK			TRIP BLANK			TRIP BLANK			TRIP BLANK		
					460-161436-14			460-173981-5			460-174009-6			460-213996-5			460-214232-6			460-220169-4			460-226054-4			460-231372-4		
					7/25/18 18:15			1/23/19 0:00			1/23/19 13:20			7/22/20 0:00			7/23/20 0:00			10/06/2020 14:15:00			01/07/2021 14:55:00			04/01/2021 00:00:00		
					-			-			-			-			-			-			-			-		
1			1			1			1			1			1			1			1			1				
Non-Pumping			Pumping			Pumping			Pumping			Pumping			Pumping			Pumping			Pumping			Pumping				
Volatile Organic Compounds (VOCs) by Method SW846 8260C/D					Units	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
1,1,1-Trichloroethane	200	200	200	µg/L	ND		0.24	ND		0.24	ND		0.24	NA		-	NA		-	NA		-	NA		-	NA		
1,1,2-Trichloroethane	5	5	5	µg/L	ND		0.43	ND		0.43	ND		0.43	NA		-	NA		-	NA		-	NA		-	NA		
1,1-Dichloroethane	31	160	NS	µg/L	ND		0.26	ND		0.26	ND		0.26	NA		-	NA		-	NA		-	NA		-	NA		
1,1-Dichloroethene	7	7	7	µg/L	ND		0.12	ND		0.12	ND		0.12	ND		0.26	ND		0.26	ND		0.26	ND		0.26	ND		
1,2-Dichloroethane	5	5	5	µg/L	ND	*	0.43	ND		0.43	ND		0.43	NA		-	NA		-	NA		-	NA		-	NA		
Chloroethane	250	1,200	NS	µg/L	ND		0.32	ND		0.32	ND		0.32	NA		-	NA		-	NA		-	NA		-	NA		
cis-1,2-Dichloroethene	70	70	70	µg/L	ND		0.22	ND		0.22	ND		0.22	ND		0.22	ND		0.22	ND		0.22	ND		0.22	ND		
trans-1,2-Dichloroethene	100	100	100	µg/L	ND		0.24	ND		0.24	ND		0.24	NA		-	NA		-	NA		-	NA		-	NA		
Trichloroethene	5	5	5	µg/L	ND		0.31	ND		0.31	ND		0.31	ND		0.31	ND		0.31	ND		0.31	ND		0.31	ND		
Vinyl chloride	2	2	2	µg/L	ND		0.17	ND		0.17	ND		0.17	NA		-	NA		-	NA		-	NA		-	NA		
Volatile Organic Compounds (VOCs) by Method SW846 8260C/D SIM					Units	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
1,4-Dioxane	6.4	32	NS	µg/L	ND		0.20	ND		0.20	ND		0.20	ND		0.33	NA		-	NA		-	NA		-	NA		
Metals by Methods 6010D & 6020B					Units	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
Cadmium	5	5	5	µg/L	NA		-	NA		-	NA		-	NA		-	NA		-	NA		-	NA		-	NA		
Iron ²	-	-	-	µg/L	NA		-	NA		-	NA		-	NA		-	NA		-	NA		-	NA		-	NA		
Lead	5	5	15	µg/L	NA		-	NA		-	NA		-	NA		-	NA		-	NA		-	NA		-	NA		
Manganese ²	-	-	-	µg/L	NA		-	NA		-	NA		-	NA		-	NA		-	NA		-	NA		-	NA		
Metals by Method 7470A					Units	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
Mercury	2	2	2	µg/L	NA		-	NA		-	NA		-	NA		-	NA		-	NA		-	NA		-	NA		

Notes:

- 22**
- Laboratory MDL exceeds one or more regulatory criteria.
- 160**
- Result exceeds the EPA Residential Drinking Water MCL and the PADEP Groundwater MSCs for Residential and Non-Residential Used Aquifer scenarios
- 10.9**
- Result exceeds the PADEP Groundwater MSCs for Residential and Non-Residential Used Aquifer scenarios

¹ - Groundwater extraction and recovery system status during sampling. Pumping indicates the system was active, and Non-Pumping indicates the system was shut-down.

² - Iron and manganese are not Site constituents of concern and were analyzed for system optimization data only. Therefore, regulatory criteria for these analytes are not reported.

- PADEP - Pennsylvania Department of Environmental Protection
EPA - U.S. Environmental Protection Agency
MSC - Medium-Specific concentration
MCL - Maximum Contaminant Level
TDS - Total Dissolved Solids
NS - No standard available
µg/L - micrograms per liter
' bgs - feet below ground surface
Q - Laboratory qualifier
MDL - Laboratory Method Detection Limit
ND - Compound not detected above respective laboratory MDL
NA - Not Analyzed
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
* - Laboratory control sample (LCS) or LCS duplicate is outside acceptance limits.

ATTACHMENTS

ATTACHMENT A

MW-7s Low-Flow Groundwater Sampling Data Sheet:
April 1, 2021

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 1

SITE:	Former Thomas & Betts (T&B) / Ansley Facility, Perkasio, PA	CONSULTING FIRM:	Langan Engineering & Environmental Services
DATE:	4/1/2021	Water Quality Meter:	Horiba U-52, Serial #BHGLHGAT
WEATHER:	Cold, 42°F, Partly Cloudy	FIELD PERSONNEL:	Mike Solt

MONITOR WELL #:	MW-7S	WELL DEPTH:	135	feet	SCREENED/OPEN INTERVAL:	30 - 135	feet
		WELL DIAMETER:	6	Inches			

PID/FID READINGS (ppm):	BACKGROUND:	0.0	PUMP INTAKE DEPTH: 125 ft below TOC
	BENEATH OUTER CAP:	0.0	DEPTH TO WATER BEFORE PUMP INSTALLATION : 42.78 ft below TOC
	BENEATH INNER CAP:	0.0	

TIME	PURGING	SAMPLING	pH (standard units, s.u.)		SPECIFIC CONDUCTIVITY (µS/cm)		REDOX POTENTIAL (mV)		DISSOLVED OXYGEN (mg/L)		TURBIDITY (NTU)		TEMPERATURE (°C)		PUMPING RATE (mL/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE (s.u.)*	READING	CHANGE (%)*	READING	CHANGE (mV)*	READING	CHANGE (%)*	READING	CHANGE (%)*	READING	CHANGE (%)*		
18:50	X		6.78	-	321	-	103	-	1.72	-	13.9	-	11.47	-	130	43.07
18:55	X		6.77	0.01	316	2%	100	3	1.53	11.05%	12.9	7.2%	11.43	0.35%	130	43.15
19:00	X		6.78	0.01	315	0%	100	0	1.51	1.31%	12.5	3.1%	11.42	0.09%	130	43.24
19:05	X		6.71	0.07	315	0%	97	3	1.42	5.96%	11.8	5.6%	11.41	0.09%	130	43.37
19:10	X		6.78	0.07	314	0%	101	4	1.41	0.70%	12.0	1.7%	11.42	0.09%	130	43.45
19:15		X														

COMMENTS: collected DUP-1_040121
 18:35 - Bladder pump on. Begin purging MW-7s under low-flow conditions. Purge water appears to have a slightly yellow tint; no sheen or odors detected.
 19:15 - Collect groundwater sample MW-7s_040121 and duplicate groundwater sample DUP-1_040121 for select chlorinated VOCs, 1,4-dioxane and lead. Samples on ice in cooler.

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

ATTACHMENT B

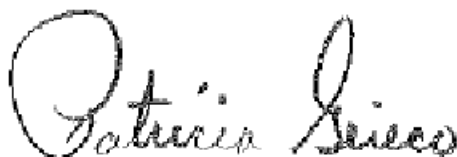
Laboratory Data Package:
April 2021 Groundwater Sampling Event

ANALYTICAL REPORT

Job Number: 460-231372-1

Job Description: Thomas & Betts Ansley Facility/Perkasie

For:
Langan Engineering & Environmental Svcs
2700 Kelly Road
Suite 200
Warrington, PA 18976
Attention: Cortney Savidge



Approved for release.
Patricia Grieco
Senior Project Manager
4/9/2021 8:36 AM

Patricia Grieco, Senior Project Manager
777 New Durham Road, Edison, NJ, 08817
(732)593-2507
Patricia.Grieco@Eurofinset.com
04/09/2021

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.

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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.

Eurofins TestAmerica, Edison

777 New Durham Road, Edison, NJ 08817

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



Table of Contents

Cover Title Page	1
Data Summaries	5
Report Narrative	5
Sample Summary	6
Detection Summary	7
Method Summary	8
Client Sample Results	9
Surrogate Summary	11
QC Sample Results	12
Definitions	16
QC Association	17
Chronicle	19
Certification Summary	20
Organic Sample Data	21
GC/MS VOA	21
8260D	21
8260D QC Summary	22
8260D Sample Data	38
Standards Data	55
8260D ICAL Data	55
8260D CCAL Data	106
Raw QC Data	133
8260D Tune Data	133
8260D Blank Data	145
8260D LCS/LCSD Data	151
8260D Run Logs	176

Table of Contents

8260D Prep Data	179
8260D_SIM	184
8260D_SIM QC Summary	185
8260D_SIM Sample Data	196
Standards Data	206
8260D_SIM ICAL Data	206
8260D_SIM CCAL Data	224
Raw QC Data	233
8260D_SIM Tune Data	233
8260D_SIM Blank Data	237
8260D_SIM LCS/LCSD Data	243
8260D_SIM Run Logs	258
8260D_SIM Prep Data	261
Inorganic Sample Data	265
Metals Data	265
Met Cover Page	266
Met Sample Data	267
Met QC Data	270
Met ICV/CCV	270
Met Blanks	272
Met ICSA/ICSAB	275
Met MS/MSD/PDS	277
Met Dup/Trip	279
Met LCS/LCSD	280
Met Serial Dilution	283
Met Calibration	284

Table of Contents

Met MDL	306
Met Linear Ranges	308
Met Preparation Log	309
Met Analysis Run Log	310
Met ICP/MS Int Stds	314
Met Prep Data	315
Shipping and Receiving Documents	316
Client Chain of Custody	317
Sample Receipt Checklist	319

CASE NARRATIVE

Client: Langan Engineering & Environmental Svcs

Project: Thomas & Betts Ansley Facility/Perkasie

Report Number: 460-231372-1

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 04/02/2021; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 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-7S_040121 (460-231372-1), DUP-1_040121 (460-231372-2), FB-1_040121 (460-231372-3) and TRIP BLANK (460-231372-4) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 04/06/2021.

No difficulties were encountered during the Volatiles analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC/MS) - SELECTED ION MODE (SIM)

Samples MW-7S_040121 (460-231372-1), DUP-1_040121 (460-231372-2) and FB-1_040121 (460-231372-3) were analyzed for volatile organic compounds (GC/MS) - Selected Ion Mode (SIM) in accordance with EPA SW-846 Method 8260D - Selected Ion Mode (SIM). The samples were analyzed on 04/07/2021.

No difficulties were encountered during the Volatiles analysis.

All quality control parameters were within the acceptance limits.

METALS

Samples MW-7S_040121 (460-231372-1), DUP-1_040121 (460-231372-2) and FB-1_040121 (460-231372-3) were analyzed for Metals in accordance with 6010D. The samples were prepared and analyzed on 04/08/2021.

for the duplicate of sample 460-230997-2. Refer to the QC report for details.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-231372-1	MW-7S_040121	Water	04/01/21 19:15	04/02/21 19:00	
460-231372-2	DUP-1_040121	Water	04/01/21 00:00	04/02/21 19:00	
460-231372-3	FB-1_040121	Water	04/01/21 19:25	04/02/21 19:00	
460-231372-4	TRIP BLANK	Water	04/01/21 00:00	04/02/21 19:00	

Detection Summary

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

Client Sample ID: MW-7S_040121

Lab Sample ID: 460-231372-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2		1.0	0.22	ug/L	1			8260D	Total/NA
Trichloroethene (TCE)	1.2		1.0	0.31	ug/L	1			8260D	Total/NA
Lead	6.5	J	10.0	2.4	ug/L	1			6010D	Total/NA

Client Sample ID: DUP-1_040121

Lab Sample ID: 460-231372-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2		1.0	0.22	ug/L	1			8260D	Total/NA
Trichloroethene (TCE)	1.1		1.0	0.31	ug/L	1			8260D	Total/NA
Lead	6.9	J	10.0	2.4	ug/L	1			6010D	Total/NA

Client Sample ID: FB-1_040121

Lab Sample ID: 460-231372-3

No Detections.

Client Sample ID: TRIP BLANK

Lab Sample ID: 460-231372-4

No Detections.

Method Summary

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL EDI
6010D	Metals (ICP)	SW846	TAL EDI
3010A	Preparation, Total Metals	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: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

Client Sample ID: MW-7S_040121

Lab Sample ID: 460-231372-1

Date Collected: 04/01/21 19:15

Matrix: Water

Date Received: 04/02/21 19:00

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.33	U	0.40	0.33	ug/L			04/07/21 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		65 - 133					04/07/21 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/06/21 17:32	1
cis-1,2-Dichloroethene	1.2		1.0	0.22	ug/L			04/06/21 17:32	1
Trichloroethene (TCE)	1.2		1.0	0.31	ug/L			04/06/21 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		75 - 123					04/06/21 17:32	1
Toluene-d8 (Surr)	110		80 - 120					04/06/21 17:32	1
4-Bromofluorobenzene	90		76 - 120					04/06/21 17:32	1
Dibromofluoromethane (Surr)	100		77 - 124					04/06/21 17:32	1

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.5	J	10.0	2.4	ug/L		04/08/21 03:39	04/08/21 19:03	1

Client Sample ID: DUP-1_040121

Lab Sample ID: 460-231372-2

Date Collected: 04/01/21 00:00

Matrix: Water

Date Received: 04/02/21 19:00

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.33	U	0.40	0.33	ug/L			04/07/21 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		65 - 133					04/07/21 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/06/21 17:59	1
cis-1,2-Dichloroethene	1.2		1.0	0.22	ug/L			04/06/21 17:59	1
Trichloroethene (TCE)	1.1		1.0	0.31	ug/L			04/06/21 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		75 - 123					04/06/21 17:59	1
Toluene-d8 (Surr)	108		80 - 120					04/06/21 17:59	1
4-Bromofluorobenzene	92		76 - 120					04/06/21 17:59	1
Dibromofluoromethane (Surr)	99		77 - 124					04/06/21 17:59	1

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.9	J	10.0	2.4	ug/L		04/08/21 03:39	04/08/21 19:07	1

Client Sample Results

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

Client Sample ID: FB-1_040121

Lab Sample ID: 460-231372-3

Date Collected: 04/01/21 19:25

Matrix: Water

Date Received: 04/02/21 19:00

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.33	U	0.40	0.33	ug/L			04/07/21 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		65 - 133					04/07/21 23:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/06/21 13:56	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			04/06/21 13:56	1
Trichloroethene (TCE)	0.31	U	1.0	0.31	ug/L			04/06/21 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 123					04/06/21 13:56	1
Toluene-d8 (Surr)	107		80 - 120					04/06/21 13:56	1
4-Bromofluorobenzene	90		76 - 120					04/06/21 13:56	1
Dibromofluoromethane (Surr)	101		77 - 124					04/06/21 13:56	1

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4	U	10.0	2.4	ug/L		04/08/21 03:39	04/08/21 19:11	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 460-231372-4

Date Collected: 04/01/21 00:00

Matrix: Water

Date Received: 04/02/21 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/06/21 23:10	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			04/06/21 23:10	1
Trichloroethene (TCE)	0.31	U	1.0	0.31	ug/L			04/06/21 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		75 - 123					04/06/21 23:10	1
Toluene-d8 (Surr)	109		80 - 120					04/06/21 23:10	1
4-Bromofluorobenzene	89		76 - 120					04/06/21 23:10	1
Dibromofluoromethane (Surr)	97		77 - 124					04/06/21 23:10	1

Surrogate Summary

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (75-123)	TOL (80-120)	BFB (76-120)	DBFM (77-124)
460-231372-1	MW-7S_040121	118	110	90	100
460-231372-2	DUP-1_040121	115	108	92	99
460-231372-3	FB-1_040121	113	107	90	101
460-231372-4	TRIP BLANK	112	109	89	97
LCS 460-769671/5	Lab Control Sample	123	113	89	116
LCS 460-769803/4	Lab Control Sample	117	110	87	101
LCSD 460-769671/6	Lab Control Sample Dup	117	110	87	101
LCSD 460-769803/5	Lab Control Sample Dup	113	110	90	99
MB 460-769671/8	Method Blank	114	109	95	101
MB 460-769803/9	Method Blank	114	109	90	98

Surrogate Legend

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	BFB (65-133)			
460-231372-1	MW-7S_040121	104			
460-231372-2	DUP-1_040121	105			
460-231372-3	FB-1_040121	107			
LCS 460-769881/4	Lab Control Sample	104			
LCS 460-770057/4	Lab Control Sample	107			
LCSD 460-769881/6	Lab Control Sample Dup	104			
LCSD 460-770057/5	Lab Control Sample Dup	107			
MB 460-769881/8	Method Blank	102			
MB 460-770057/8	Method Blank	105			

Surrogate Legend

BFB = 4-Bromofluorobenzene

QC Sample Results

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

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

Lab Sample ID: MB 460-769671/8

Matrix: Water

Analysis Batch: 769671

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	0.26	U	1.0	0.26	ug/L			04/06/21 10:21	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			04/06/21 10:21	1
Trichloroethene (TCE)	0.31	U	1.0	0.31	ug/L			04/06/21 10:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		75 - 123					04/06/21 10:21	1
Toluene-d8 (Surr)	109		80 - 120					04/06/21 10:21	1
4-Bromofluorobenzene	95		76 - 120					04/06/21 10:21	1
Dibromofluoromethane (Surr)	101		77 - 124					04/06/21 10:21	1

Lab Sample ID: LCS 460-769671/5

Matrix: Water

Analysis Batch: 769671

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	20.0	22.5		ug/L		112	68 - 133
cis-1,2-Dichloroethene	20.0	22.1		ug/L		110	78 - 121
Trichloroethene (TCE)	20.0	18.4		ug/L		92	71 - 121
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	123		75 - 123				
Toluene-d8 (Surr)	113		80 - 120				
4-Bromofluorobenzene	89		76 - 120				
Dibromofluoromethane (Surr)	116		77 - 124				

Lab Sample ID: LCSD 460-769671/6

Matrix: Water

Analysis Batch: 769671

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	20.0	19.2		ug/L		96	68 - 133	16	30
cis-1,2-Dichloroethene	20.0	20.0		ug/L		100	78 - 121	10	30
Trichloroethene (TCE)	20.0	19.3		ug/L		97	71 - 121	5	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	117		75 - 123						
Toluene-d8 (Surr)	110		80 - 120						
4-Bromofluorobenzene	87		76 - 120						
Dibromofluoromethane (Surr)	101		77 - 124						

Lab Sample ID: MB 460-769803/9

Matrix: Water

Analysis Batch: 769803

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	0.26	U	1.0	0.26	ug/L			04/06/21 22:43	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			04/06/21 22:43	1
Trichloroethene (TCE)	0.31	U	1.0	0.31	ug/L			04/06/21 22:43	1

Eurofins TestAmerica, Edison

QC Sample Results

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		75 - 123		04/06/21 22:43	1
Toluene-d8 (Surr)	109		80 - 120		04/06/21 22:43	1
4-Bromofluorobenzene	90		76 - 120		04/06/21 22:43	1
Dibromofluoromethane (Surr)	98		77 - 124		04/06/21 22:43	1

Lab Sample ID: LCS 460-769803/4

Matrix: Water

Analysis Batch: 769803

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	20.0	21.6		ug/L		108	68 - 133
cis-1,2-Dichloroethene	20.0	22.0		ug/L		110	78 - 121
Trichloroethene (TCE)	20.0	21.3		ug/L		106	71 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	117		75 - 123
Toluene-d8 (Surr)	110		80 - 120
4-Bromofluorobenzene	87		76 - 120
Dibromofluoromethane (Surr)	101		77 - 124

Lab Sample ID: LCSD 460-769803/5

Matrix: Water

Analysis Batch: 769803

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	20.0	20.4		ug/L		102	68 - 133	6	30
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	78 - 121	8	30
Trichloroethene (TCE)	20.0	20.2		ug/L		101	71 - 121	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		75 - 123
Toluene-d8 (Surr)	110		80 - 120
4-Bromofluorobenzene	90		76 - 120
Dibromofluoromethane (Surr)	99		77 - 124

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-769881/8

Matrix: Water

Analysis Batch: 769881

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.33	U	0.40	0.33	ug/L			04/07/21 10:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		65 - 133		04/07/21 10:42	1

QC Sample Results

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-769881/4

Matrix: Water

Analysis Batch: 769881

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			5.00	5.09		ug/L		102	72 - 124		
Surrogate	LCS %Recovery	LCS Qualifier	Limits								
4-Bromofluorobenzene	104		65 - 133								

Lab Sample ID: LCSD 460-769881/6

Matrix: Water

Analysis Batch: 769881

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
1,4-Dioxane			5.00	5.15		ug/L		103	72 - 124	1	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
4-Bromofluorobenzene	104		65 - 133								

Lab Sample ID: MB 460-770057/8

Matrix: Water

Analysis Batch: 770057

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dioxane	0.33	U	0.40	0.33	ug/L			04/07/21 23:02	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
4-Bromofluorobenzene	105		65 - 133		04/07/21 23:02	1			

Lab Sample ID: LCS 460-770057/4

Matrix: Water

Analysis Batch: 770057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			5.00	4.27		ug/L		85	72 - 124		
Surrogate	LCS %Recovery	LCS Qualifier	Limits								
4-Bromofluorobenzene	107		65 - 133								

Lab Sample ID: LCSD 460-770057/5

Matrix: Water

Analysis Batch: 770057

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,4-Dioxane			5.00	4.96		ug/L		99	72 - 124	15	30
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene	107		65 - 133								

QC Sample Results

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-770101/1-A
Matrix: Water
Analysis Batch: 770236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 770101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4	U	10.0	2.4	ug/L		04/08/21 03:39	04/08/21 19:23	1

Lab Sample ID: LCS 460-770101/2-A
Matrix: Water
Analysis Batch: 770236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 770101

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	500	520.0		ug/L		104	80 - 120

Lab Sample ID: 460-230997-E-2-C MS
Matrix: Water
Analysis Batch: 770236

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 770101

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	6.4	J	500	504.0		ug/L		100	75 - 125

Lab Sample ID: 460-230997-E-2-B DU
Matrix: Water
Analysis Batch: 770236

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 770101

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	6.4	J	5.54	J	ug/L		15	20

Lab Sample ID: LRC 460-770236/14
Matrix: Water
Analysis Batch: 770236

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50000	45110		ug/L		90	90 - 110

Definitions/Glossary

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was 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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

QC Association Summary

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

GC/MS VOA

Analysis Batch: 769671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-231372-1	MW-7S_040121	Total/NA	Water	8260D	
460-231372-2	DUP-1_040121	Total/NA	Water	8260D	
460-231372-3	FB-1_040121	Total/NA	Water	8260D	
MB 460-769671/8	Method Blank	Total/NA	Water	8260D	
LCS 460-769671/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-769671/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 769803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-231372-4	TRIP BLANK	Total/NA	Water	8260D	
MB 460-769803/9	Method Blank	Total/NA	Water	8260D	
LCS 460-769803/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-769803/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 769881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-231372-1	MW-7S_040121	Total/NA	Water	8260D SIM	
460-231372-2	DUP-1_040121	Total/NA	Water	8260D SIM	
MB 460-769881/8	Method Blank	Total/NA	Water	8260D SIM	
LCS 460-769881/4	Lab Control Sample	Total/NA	Water	8260D SIM	
LCSD 460-769881/6	Lab Control Sample Dup	Total/NA	Water	8260D SIM	

Analysis Batch: 770057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-231372-3	FB-1_040121	Total/NA	Water	8260D SIM	
MB 460-770057/8	Method Blank	Total/NA	Water	8260D SIM	
LCS 460-770057/4	Lab Control Sample	Total/NA	Water	8260D SIM	
LCSD 460-770057/5	Lab Control Sample Dup	Total/NA	Water	8260D SIM	

Metals

Prep Batch: 770101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-231372-1	MW-7S_040121	Total/NA	Water	3010A	
460-231372-2	DUP-1_040121	Total/NA	Water	3010A	
460-231372-3	FB-1_040121	Total/NA	Water	3010A	
MB 460-770101/1-A	Method Blank	Total/NA	Water	3010A	
LCS 460-770101/2-A	Lab Control Sample	Total/NA	Water	3010A	
460-230997-E-2-C MS	Matrix Spike	Total/NA	Water	3010A	
460-230997-E-2-B DU	Duplicate	Total/NA	Water	3010A	

Analysis Batch: 770236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-231372-1	MW-7S_040121	Total/NA	Water	6010D	770101
460-231372-2	DUP-1_040121	Total/NA	Water	6010D	770101
460-231372-3	FB-1_040121	Total/NA	Water	6010D	770101
MB 460-770101/1-A	Method Blank	Total/NA	Water	6010D	770101
LCS 460-770101/2-A	Lab Control Sample	Total/NA	Water	6010D	770101
LRC 460-770236/14	Lab Control Sample		Water	6010D	
LRC 460-770236/15	Lab Control Sample		Water	6010D	
460-230997-E-2-C MS	Matrix Spike	Total/NA	Water	6010D	770101

QC Association Summary

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

Metals (Continued)

Analysis Batch: 770236 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-230997-E-2-B DU	Duplicate	Total/NA	Water	6010D	770101

Lab Chronicle

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

Client Sample ID: MW-7S_040121

Lab Sample ID: 460-231372-1

Date Collected: 04/01/21 19:15

Matrix: Water

Date Received: 04/02/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	769671	04/06/21 17:32	CJM	TAL EDI
Total/NA	Analysis	8260D SIM		1	769881	04/07/21 17:31	SZD	TAL EDI
Total/NA	Prep	3010A			770101	04/08/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6010D		1	770236	04/08/21 19:03	CDC	TAL EDI

Client Sample ID: DUP-1_040121

Lab Sample ID: 460-231372-2

Date Collected: 04/01/21 00:00

Matrix: Water

Date Received: 04/02/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	769671	04/06/21 17:59	CJM	TAL EDI
Total/NA	Analysis	8260D SIM		1	769881	04/07/21 17:55	SZD	TAL EDI
Total/NA	Prep	3010A			770101	04/08/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6010D		1	770236	04/08/21 19:07	CDC	TAL EDI

Client Sample ID: FB-1_040121

Lab Sample ID: 460-231372-3

Date Collected: 04/01/21 19:25

Matrix: Water

Date Received: 04/02/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	769671	04/06/21 13:56	CJM	TAL EDI
Total/NA	Analysis	8260D SIM		1	770057	04/07/21 23:50	KLB	TAL EDI
Total/NA	Prep	3010A			770101	04/08/21 03:39	GMC	TAL EDI
Total/NA	Analysis	6010D		1	770236	04/08/21 19:11	CDC	TAL EDI

Client Sample ID: TRIP BLANK

Lab Sample ID: 460-231372-4

Date Collected: 04/01/21 00:00

Matrix: Water

Date Received: 04/02/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	769803	04/06/21 23:10	GXY	TAL EDI

Laboratory References:

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

Accreditation/Certification Summary

Client: Langan Engineering & Environmental Svcs
Project/Site: Thomas & Betts Ansley Facility/Perkasie

Job ID: 460-231372-1

Laboratory: Eurofins TestAmerica, Edison

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	68-00522	02-28-22

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
8260D SIM		Water	1,4-Dioxane

8260D

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): Rtx-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-7S_040121	460-231372-1	100	118	110	90
DUP-1_040121	460-231372-2	99	115	108	92
FB-1_040121	460-231372-3	101	113	107	90
TRIP BLANK	460-231372-4	97	112	109	89
	MB 460-769671/8	101	114	109	95
	MB 460-769803/9	98	114	109	90
	LCS 460-769671/5	116	123	113	89
	LCS 460-769803/4	101	117	110	87
	LCSD 460-769671/6	101	117	110	87
	LCSD 460-769803/5	99	113	110	90

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

QC LIMITS
 77-124
 75-123
 80-120
 76-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: A01596.D

Lab ID: LCS 460-769671/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethene	20.0	22.5	112	68-133	
cis-1,2-Dichloroethene	20.0	22.1	110	78-121	
Trichloroethene (TCE)	20.0	18.4	92	71-121	

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.: 460-231372-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: A01622.D
Lab ID: LCS 460-769803/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethene	20.0	21.6	108	68-133	
cis-1,2-Dichloroethene	20.0	22.0	110	78-121	
Trichloroethene (TCE)	20.0	21.3	106	71-121	

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.: 460-231372-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A01597.D
 Lab ID: LCSD 460-769671/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1-Dichloroethene	20.0	19.2	96	16	30	68-133	
cis-1,2-Dichloroethene	20.0	20.0	100	10	30	78-121	
Trichloroethene (TCE)	20.0	19.3	97	5	30	71-121	

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.: 460-231372-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A01623.D
 Lab ID: LCSD 460-769803/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1-Dichloroethene	20.0	20.4	102	6	30	68-133	
cis-1,2-Dichloroethene	20.0	20.4	102	8	30	78-121	
Trichloroethene (TCE)	20.0	20.2	101	5	30	71-121	

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.: 460-231372-1
SDG No.: _____
Lab File ID: A01600.D Lab Sample ID: MB 460-769671/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CVOAMS1 Date Analyzed: 04/06/2021 10:21
GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-769671/5	A01596.D	04/06/2021 08:34
	LCSD 460-769671/6	A01597.D	04/06/2021 09:00
FB-1_040121	460-231372-3	A01608.D	04/06/2021 13:56
MW-7S_040121	460-231372-1	A01616.D	04/06/2021 17:32
DUP-1_040121	460-231372-2	A01617.D	04/06/2021 17:59

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Lab File ID: A01627.D Lab Sample ID: MB 460-769803/9
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CVOAMS1 Date Analyzed: 04/06/2021 22:43
GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-769803/4	A01622.D	04/06/2021 20:25
	LCSD 460-769803/5	A01623.D	04/06/2021 20:53
TRIP BLANK	460-231372-4	A01628.D	04/06/2021 23:10

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Lab File ID: A01242.D BFB Injection Date: 03/30/2021
 Instrument ID: CVOAMS1 BFB Injection Time: 01:42
 Analysis Batch No.: 768128

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	114.0
96	5 - 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.7
174	50 - 200% of m/z 95	87.7
175	5 - 9% of m/z 174	6.8
176	95 -105% of m/z 174	98.6
177	5 - 10% of m/z 176	6.4

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
	STD7 460-768128/3	A01244.D	03/30/2021	2:38
	STD1 460-768128/4	A01245.D	03/30/2021	3:05
	STD5 460-768128/5	A01246.D	03/30/2021	3:32
	STD20 460-768128/6	A01247.D	03/30/2021	3:59
	STD50 460-768128/7	A01248.D	03/30/2021	4:26
	STD200 460-768128/8	A01249.D	03/30/2021	4:54
	STD500 460-768128/9	A01250.D	03/30/2021	5:21
	ICV 460-768128/16	A01257.D	03/30/2021	8:28

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Lab File ID: A01592.D BFB Injection Date: 04/06/2021
 Instrument ID: CVOAMS1 BFB Injection Time: 06:49
 Analysis Batch No.: 769671

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	122.9
96	5 - 9% of m/z 95	6.4
173	Less than 2% of m/z 174	1.2
174	50 - 200% of m/z 95	81.3
175	5 - 9% of m/z 174	7.7
176	95 -105% of m/z 174	95.7
177	5 - 10% of m/z 176	6.7

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 460-769671/4	A01595.D	04/06/2021	8:07
	LCS 460-769671/5	A01596.D	04/06/2021	8:34
	LCSD 460-769671/6	A01597.D	04/06/2021	9:00
	MB 460-769671/8	A01600.D	04/06/2021	10:21
FB-1_040121	460-231372-3	A01608.D	04/06/2021	13:56
MW-7S_040121	460-231372-1	A01616.D	04/06/2021	17:32
DUP-1_040121	460-231372-2	A01617.D	04/06/2021	17:59

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Lab File ID: A01619.D BFB Injection Date: 04/06/2021
 Instrument ID: CVOAMS1 BFB Injection Time: 18:59
 Analysis Batch No.: 769803

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	136.3
96	5 - 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.9
174	50 - 200% of m/z 95	73.4
175	5 - 9% of m/z 174	7.4
176	95 -105% of m/z 174	98.1
177	5 - 10% of m/z 176	6.5

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 460-769803/3	A01621.D	04/06/2021	19:58
	LCS 460-769803/4	A01622.D	04/06/2021	20:25
	LCSD 460-769803/5	A01623.D	04/06/2021	20:53
	MB 460-769803/9	A01627.D	04/06/2021	22:43
TRIP BLANK	460-231372-4	A01628.D	04/06/2021	23:10

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Sample No.: STD20 460-768128/6 Date Analyzed: 03/30/2021 03:59
 Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): A01247.D Heated Purge: (Y/N) N
 Calibration ID: 84218

	TBAd9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	298953	3.57	292961	4.59	549895	5.49	
UPPER LIMIT	597906	4.07	585922	5.09	1099790	5.99	
LOWER LIMIT	149477	3.07	146481	4.09	274948	4.99	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-768128/16		339395	3.57	341802	4.59	623787	5.49

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.: 460-231372-1
 SDG No.: _____
 Sample No.: STD20 460-768128/6 Date Analyzed: 03/30/2021 03:59
 Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): A01247.D Heated Purge: (Y/N) N
 Calibration ID: 84218

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	24698	6.06	318900	7.96	186903	9.33	
UPPER LIMIT	49396	6.56	637800	8.46	373806	9.83	
LOWER LIMIT	12349	5.56	159450	7.46	93452	8.83	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-768128/16		38233	6.06	386611	7.96	218117	9.33

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.: 460-231372-1
 SDG No.: _____
 Sample No.: CCVIS 460-769671/4 Date Analyzed: 04/06/2021 08:07
 Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): A01595.D Heated Purge: (Y/N) N
 Calibration ID: 84218

		TBA d9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		405805	3.57	470619	4.59	684694	5.49
UPPER LIMIT		811610	4.07	941238	5.09	1369388	5.99
LOWER LIMIT		202903	3.07	235310	4.09	342347	4.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-769671/5		337414	3.57	351164	4.59	510602	5.49
LCSD 460-769671/6		373451	3.57	425517	4.59	616544	5.49
MB 460-769671/8		389226	3.57	446158	4.59	670169	5.49
460-231372-3	FB-1_040121	420553	3.57	443221	4.59	667778	5.49
460-231372-1	MW-7S_040121	367149	3.56	429226	4.59	594496	5.49
460-231372-2	DUP-1_040121	407566	3.57	441978	4.59	651079	5.49

TBA d9 = 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.: 460-231372-1
 SDG No.: _____
 Sample No.: CCVIS 460-769671/4 Date Analyzed: 04/06/2021 08:07
 Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): A01595.D Heated Purge: (Y/N) N
 Calibration ID: 84218

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		34562	6.06	417832	7.96	216857	9.33
UPPER LIMIT		69124	6.56	835664	8.46	433714	9.83
LOWER LIMIT		17281	5.56	208916	7.46	108429	8.83
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 460-769671/5		23588	6.06	261697	7.96	145144	9.33
LCSD 460-769671/6		31833	6.05	363948	7.96	183839	9.33
MB 460-769671/8		24481	6.05	383184	7.96	216009	9.33
460-231372-3	FB-1_040121	40156	6.06	383601	7.96	210435	9.34
460-231372-1	MW-7S_040121	26619	6.06	332283	7.96	178121	9.33
460-231372-2	DUP-1_040121	31935	6.06	373395	7.96	199239	9.33

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.: 460-231372-1
 SDG No.: _____
 Sample No.: CCVIS 460-769803/3 Date Analyzed: 04/06/2021 19:58
 Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): A01621.D Heated Purge: (Y/N) N
 Calibration ID: 84218

	TBAd9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	374476	3.56	412491	4.59	636754	5.49	
UPPER LIMIT	748952	4.06	824982	5.09	1273508	5.99	
LOWER LIMIT	187238	3.06	206246	4.09	318377	4.99	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-769803/4		364617	3.57	426348	4.59	594877	5.49
LCSD 460-769803/5		403351	3.57	456745	4.59	681619	5.49
MB 460-769803/9		412632	3.57	482658	4.59	688640	5.49
460-231372-4	TRIP BLANK	382730	3.57	452961	4.59	706873	5.49

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.: 460-231372-1
 SDG No.: _____
 Sample No.: CCVIS 460-769803/3 Date Analyzed: 04/06/2021 19:58
 Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): A01621.D Heated Purge: (Y/N) N
 Calibration ID: 84218

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	31630	6.06	356198	7.96	196008	9.33	
UPPER LIMIT	63260	6.56	712396	8.46	392016	9.83	
LOWER LIMIT	15815	5.56	178099	7.46	98004	8.83	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-769803/4		30733	6.06	349132	7.96	183454	9.34
LCSD 460-769803/5		40654	6.06	401568	7.96	208105	9.33
MB 460-769803/9		35422	6.06	411354	7.96	214552	9.33
460-231372-4	TRIP BLANK	31315	6.06	416792	7.96	221143	9.33

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: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Client Sample ID: MW-7S_040121 Lab Sample ID: 460-231372-1
 Matrix: Water Lab File ID: A01616.D
 Analysis Method: 8260D Date Collected: 04/01/2021 19:15
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2021 17:32
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 769671 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
156-59-2	cis-1,2-Dichloroethene	1.2		1.0	0.22
79-01-6	Trichloroethene (TCE)	1.2		1.0	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		75-123
2037-26-5	Toluene-d8 (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene	90		76-120
1868-53-7	Dibromofluoromethane (Surr)	100		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01616.D
 Lims ID: 460-231372-B-1
 Client ID: MW-7S_040121
 Sample Type: Client
 Inject. Date: 06-Apr-2021 17:32:30 ALS Bottle#: 24 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-231372-B-1
 Misc. Info.: 460-0126577-024
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 20:48:33 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1620

First Level Reviewer: xuyvo

Date: 07-Apr-2021 20:48:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.562	3.568	-0.006	33	367149	1000.0	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	85	429226	250.0	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	93	4493	1.21	M
\$ 55 Dibromofluoromethane (Surr)	113	4.988	4.988	0.000	97	157037	50.1	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	36	208309	59.0	
* 66 Fluorobenzene	96	5.488	5.488	0.000	98	594496	50.0	
68 Trichloroethene	95	5.775	5.775	0.000	96	3818	1.15	
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	21	26619	1000.0	
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	98	514630	54.8	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	89	332283	50.0	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	85	132836	44.8	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	98	178121	50.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 07-Apr-2021 20:48:34

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01616.D

Injection Date: 06-Apr-2021 17:32:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: 460-231372-B-1

Lab Sample ID: 460-231372-1

Worklist Smp#: 24

Client ID: MW-7S_040121

Purge Vol: 5.000 mL

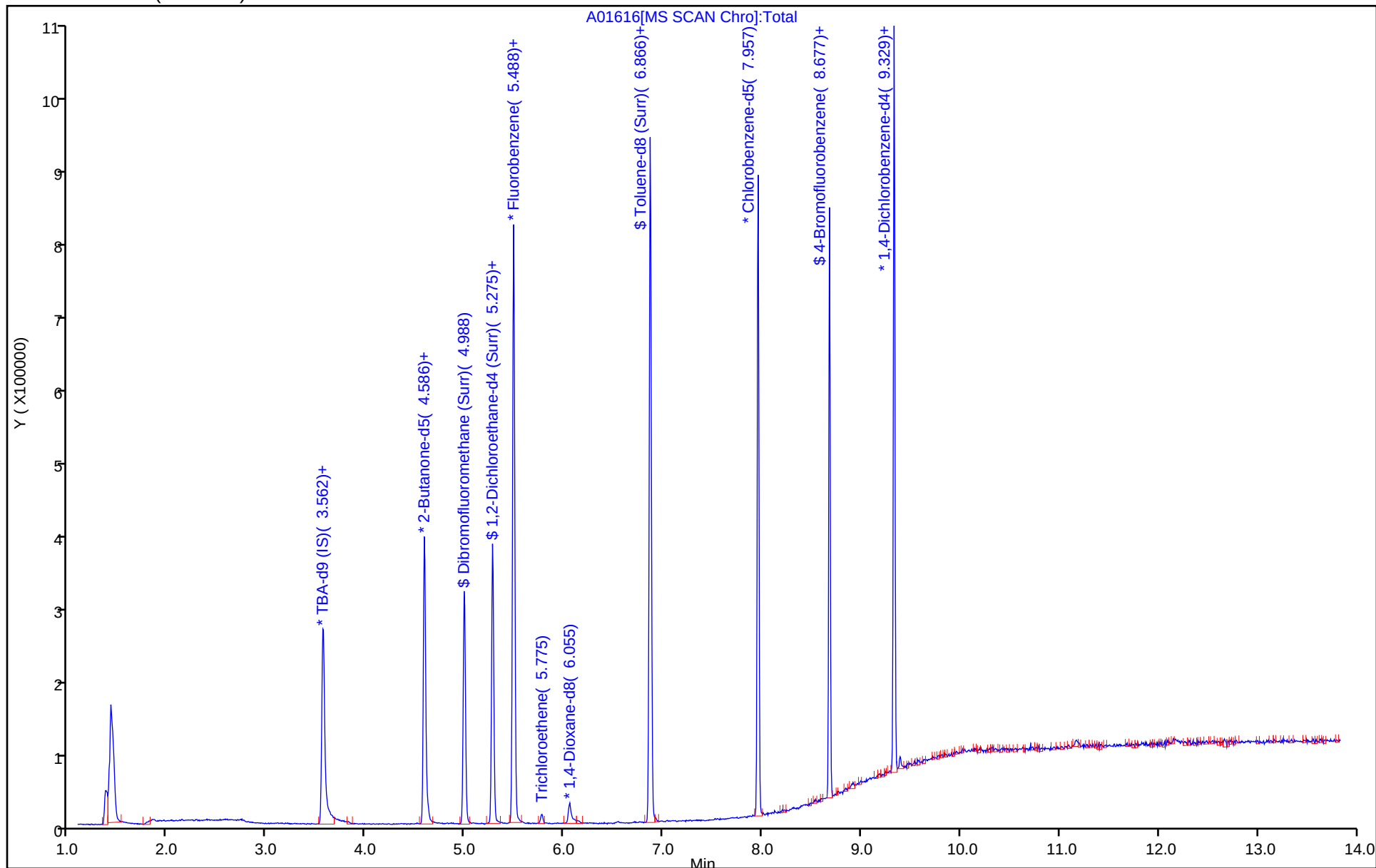
Dil. Factor: 1.0000

ALS Bottle#: 24

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01616.D

Injection Date: 06-Apr-2021 17:32:30

Instrument ID: CVOAMS1

Lims ID: 460-231372-B-1

Lab Sample ID: 460-231372-1

Client ID: MW-7S_040121

Operator ID: VOA GC/MS1

ALS Bottle#: 24 Worklist Smp#: 24

Purge Vol: 5.000 mL

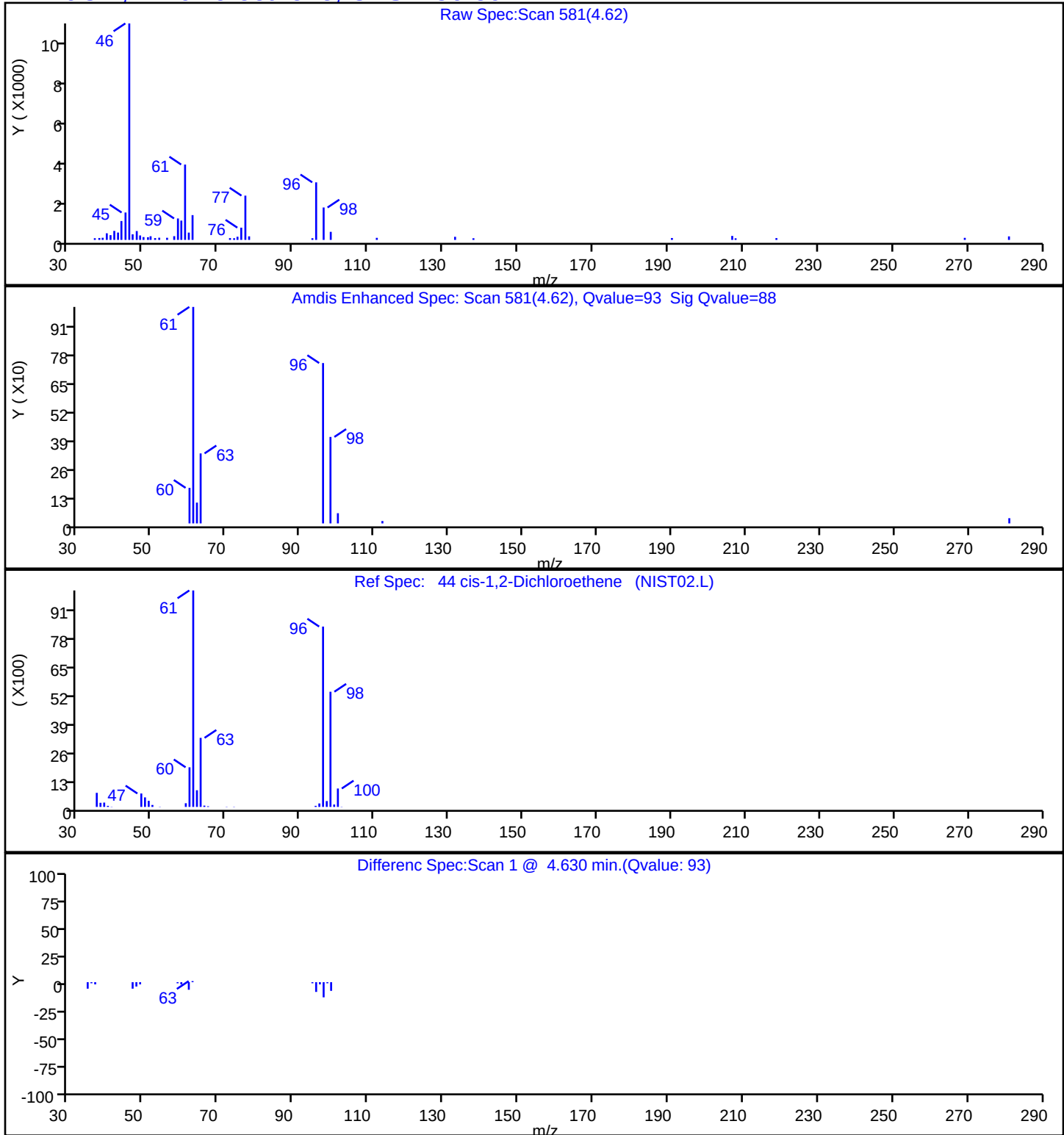
Dil. Factor: 1.0000

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01616.D

Injection Date: 06-Apr-2021 17:32:30

Instrument ID: CVOAMS1

Lims ID: 460-231372-B-1

Lab Sample ID: 460-231372-1

Client ID: MW-7S_040121

Operator ID: VOA GC/MS1

ALS Bottle#: 24 Worklist Smp#: 24

Purge Vol: 5.000 mL

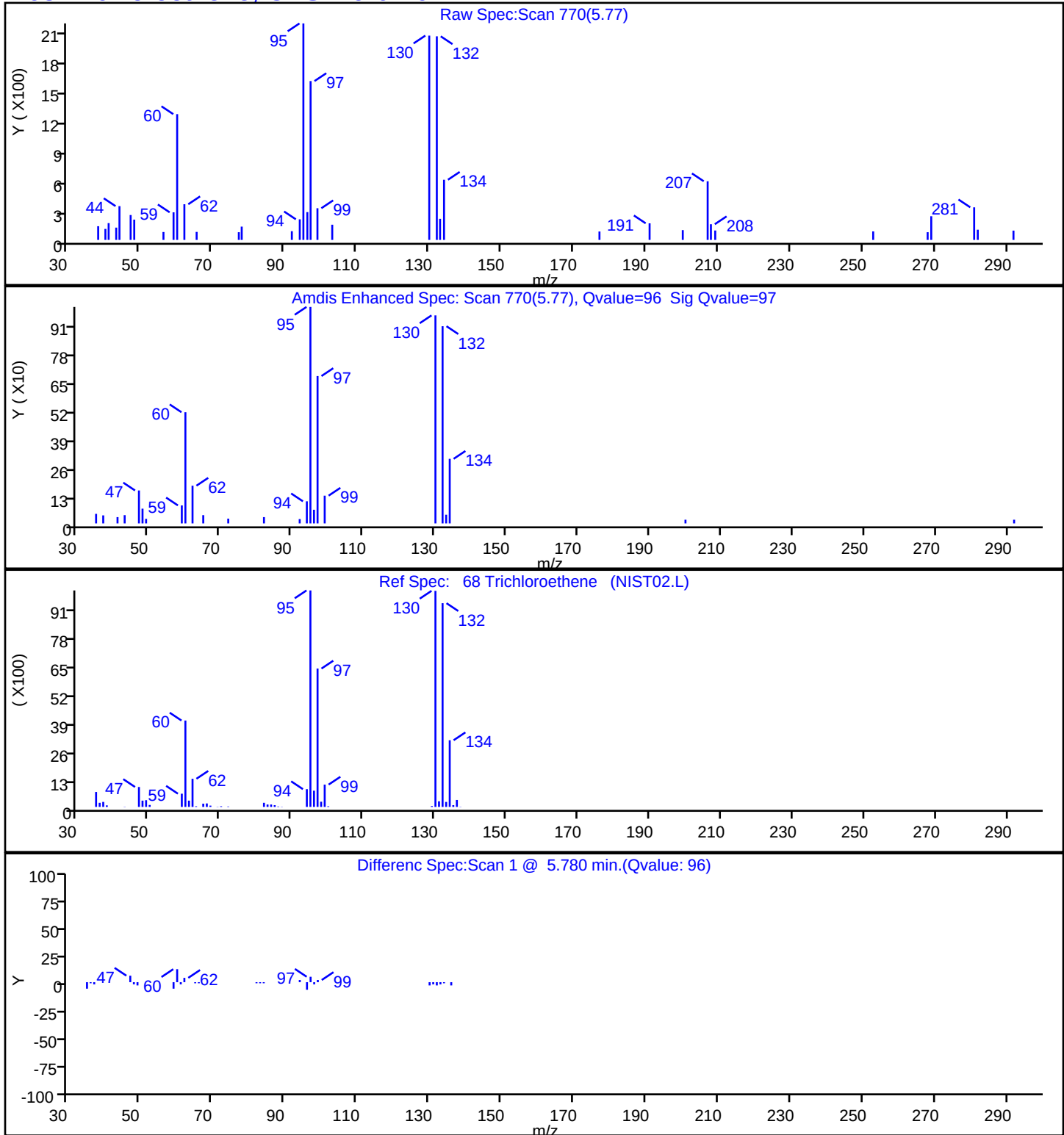
Dil. Factor: 1.0000

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

68 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Edison

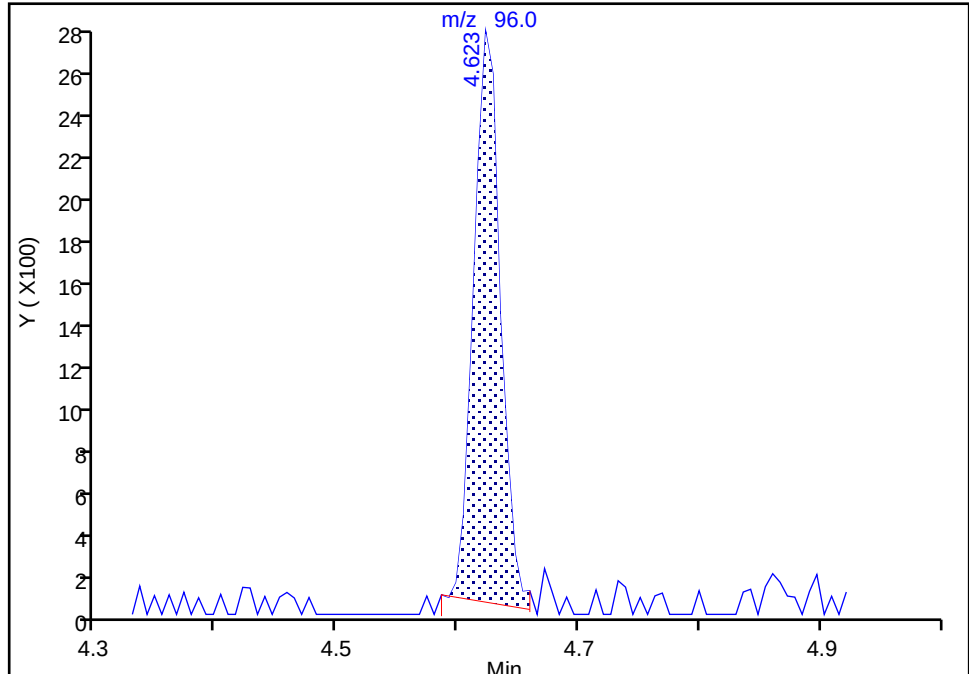
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01616.D
Injection Date: 06-Apr-2021 17:32:30 Instrument ID: CVOAMS1
Lims ID: 460-231372-B-1 Lab Sample ID: 460-231372-1
Client ID: MW-7S_040121
Operator ID: VOA GC/MS1 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

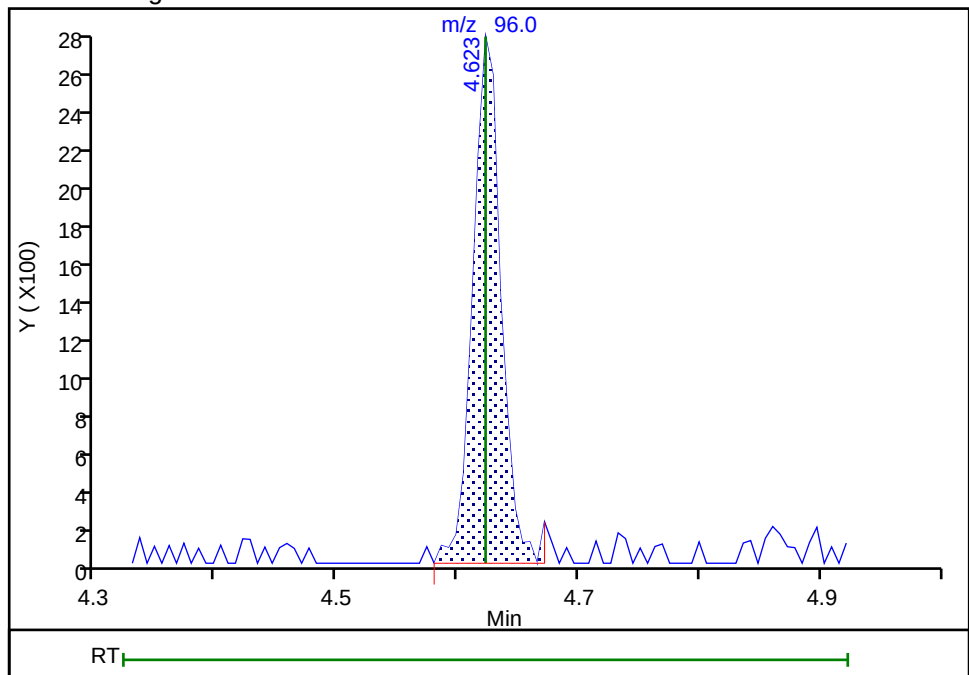
RT: 4.62
Area: 4142
Amount: 1.114922
Amount Units: ug/l

Processing Integration Results



RT: 4.62
Area: 4493
Amount: 1.209402
Amount Units: ug/l

Manual Integration Results



Reviewer: xuyvo, 07-Apr-2021 20:48:29
Audit Action: Manually Integrated

Audit Reason: Baseline
Page 43 of 319

04/09/2021

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Client Sample ID: DUP-1_040121 Lab Sample ID: 460-231372-2
 Matrix: Water Lab File ID: A01617.D
 Analysis Method: 8260D Date Collected: 04/01/2021 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2021 17:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 769671 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
156-59-2	cis-1,2-Dichloroethene	1.2		1.0	0.22
79-01-6	Trichloroethene (TCE)	1.1		1.0	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-123
2037-26-5	Toluene-d8 (Surr)	108		80-120
460-00-4	4-Bromofluorobenzene	92		76-120
1868-53-7	Dibromofluoromethane (Surr)	99		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01617.D
 Lims ID: 460-231372-B-2
 Client ID: DUP-1_040121
 Sample Type: Client
 Inject. Date: 06-Apr-2021 17:59:30 ALS Bottle#: 25 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-231372-B-2
 Misc. Info.: 460-0126577-025
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 12:21:01 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1669

First Level Reviewer: asfawa

Date: 07-Apr-2021 12:30:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.568	3.568	0.000	33	407566	1000.0	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	85	441978	250.0	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	93	5012	1.23	
\$ 55 Dibromofluoromethane (Surr)	113	4.988	4.988	0.000	97	170446	49.6	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	43	221377	57.3	
* 66 Fluorobenzene	96	5.488	5.488	0.000	98	651079	50.0	
68 Trichloroethene	95	5.769	5.775	-0.006	97	4116	1.13	
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	21	31935	1000.0	
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	99	569613	54.0	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	88	373395	50.0	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	87	153145	45.9	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	97	199239	50.0	

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 07-Apr-2021 12:31:00

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01617.D

Injection Date: 06-Apr-2021 17:59:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: 460-231372-B-2

Lab Sample ID: 460-231372-2

Worklist Smp#: 25

Client ID: DUP-1_040121

Purge Vol: 5.000 mL

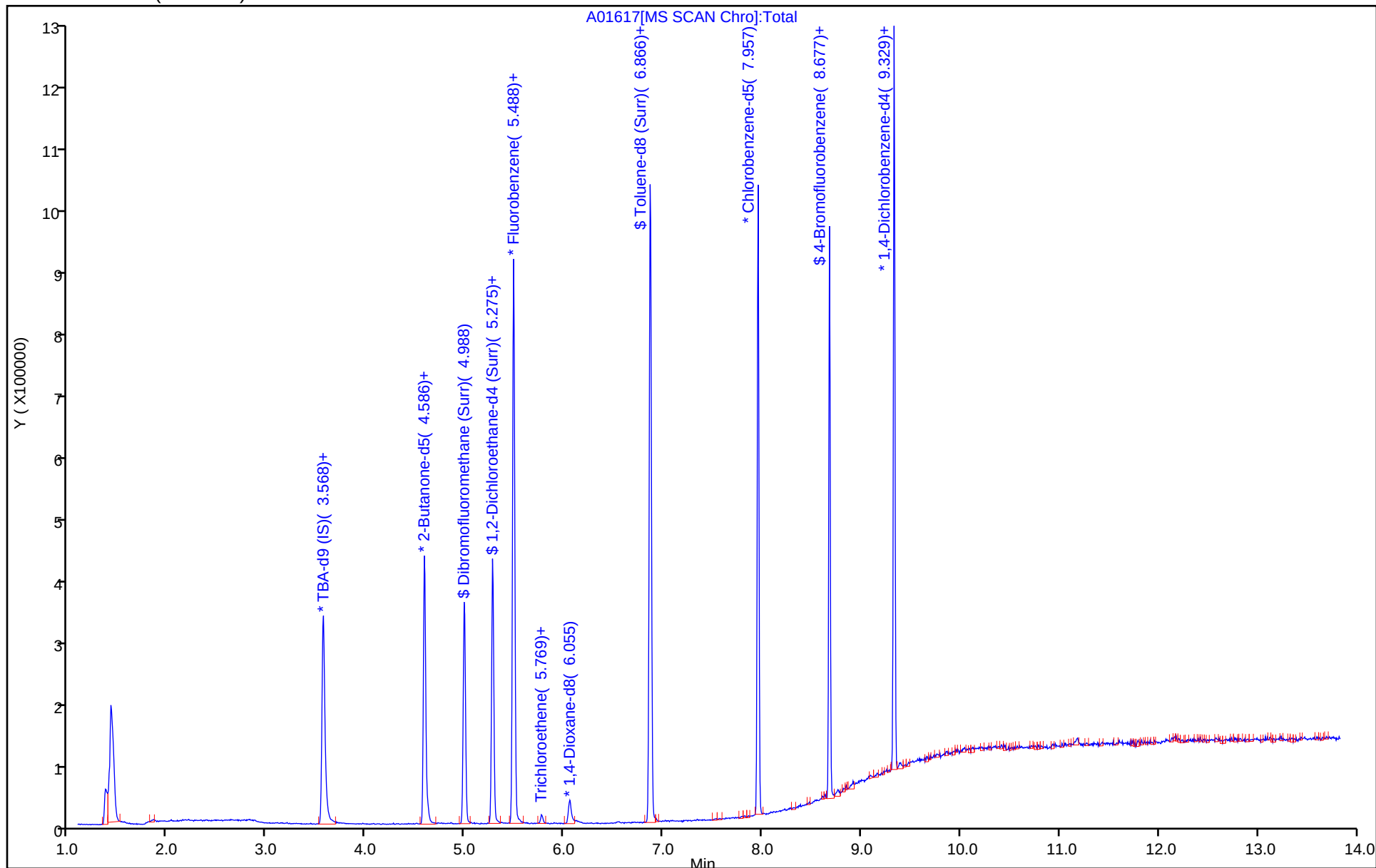
Dil. Factor: 1.0000

ALS Bottle#: 25

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01617.D

Injection Date: 06-Apr-2021 17:59:30

Instrument ID: CVOAMS1

Lims ID: 460-231372-B-2

Lab Sample ID: 460-231372-2

Client ID: DUP-1_040121

Operator ID: VOA GC/MS1

ALS Bottle#: 25

Worklist Smp#: 25

Purge Vol: 5.000 mL

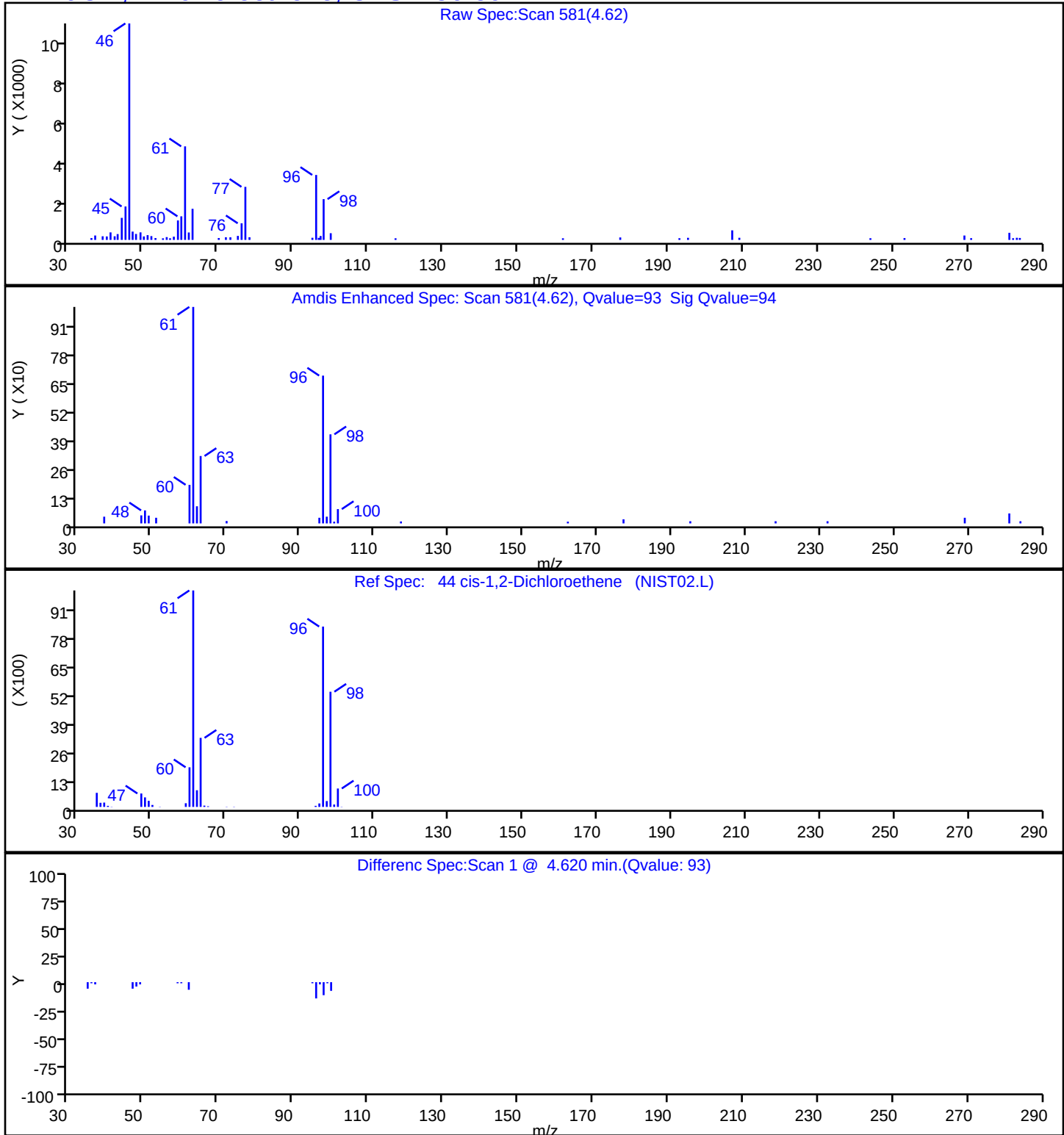
Dil. Factor: 1.0000

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01617.D

Injection Date: 06-Apr-2021 17:59:30

Instrument ID: CVOAMS1

Lims ID: 460-231372-B-2

Lab Sample ID: 460-231372-2

Client ID: DUP-1_040121

Operator ID: VOA GC/MS1

ALS Bottle#: 25

Worklist Smp#: 25

Purge Vol: 5.000 mL

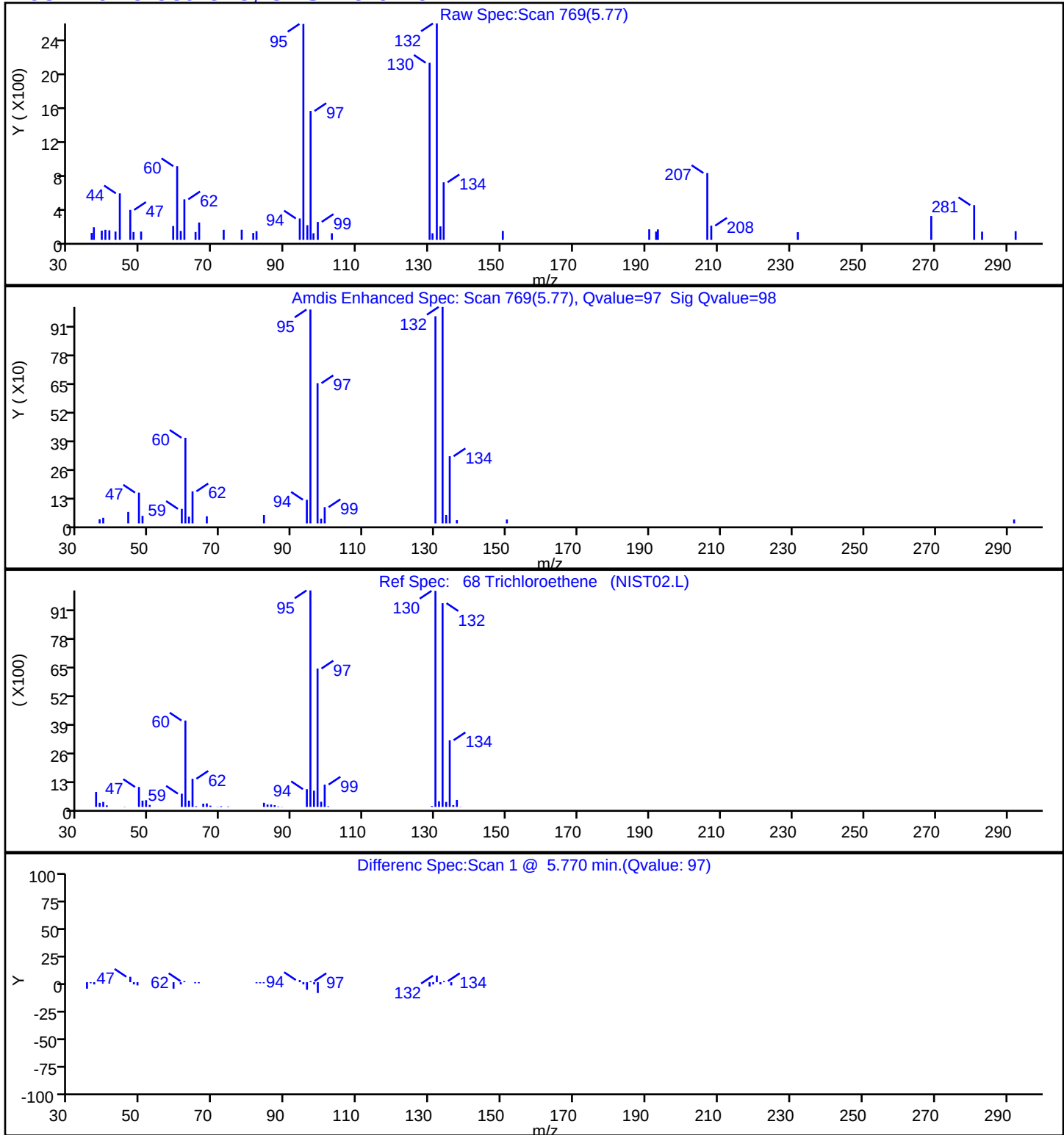
Dil. Factor: 1.0000

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

68 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Client Sample ID: FB-1_040121 Lab Sample ID: 460-231372-3
 Matrix: Water Lab File ID: A01608.D
 Analysis Method: 8260D Date Collected: 04/01/2021 19:25
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2021 13:56
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 769671 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
79-01-6	Trichloroethene (TCE)	0.31	U	1.0	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		75-123
2037-26-5	Toluene-d8 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene	90		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01608.D
 Lims ID: 460-231372-B-3
 Client ID: FB-1_040121
 Sample Type: Client
 Inject. Date: 06-Apr-2021 13:56:30 ALS Bottle#: 16 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-231372-B-3
 Misc. Info.: 460-0126577-016
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 12:21:01 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1669

First Level Reviewer: asfawa

Date: 07-Apr-2021 12:27:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.568	3.568	0.000	33	420553	1000.0	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	85	443221	250.0	
\$ 55 Dibromofluoromethane (Surr)	113	4.988	4.988	0.000	97	177134	50.3	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	37	223370	56.3	
* 66 Fluorobenzene	96	5.488	5.488	0.000	98	667778	50.0	
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	21	40156	1000.0	
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	99	581830	53.7	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	88	383601	50.0	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	87	153974	44.9	
* 121 1,4-Dichlorobenzene-d4	152	9.335	9.329	0.006	97	210435	50.0	

Reagents:

8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 07-Apr-2021 12:27:37

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01608.D

Injection Date: 06-Apr-2021 13:56:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: 460-231372-B-3

Lab Sample ID: 460-231372-3

Worklist Smp#: 16

Client ID: FB-1_040121

Purge Vol: 5.000 mL

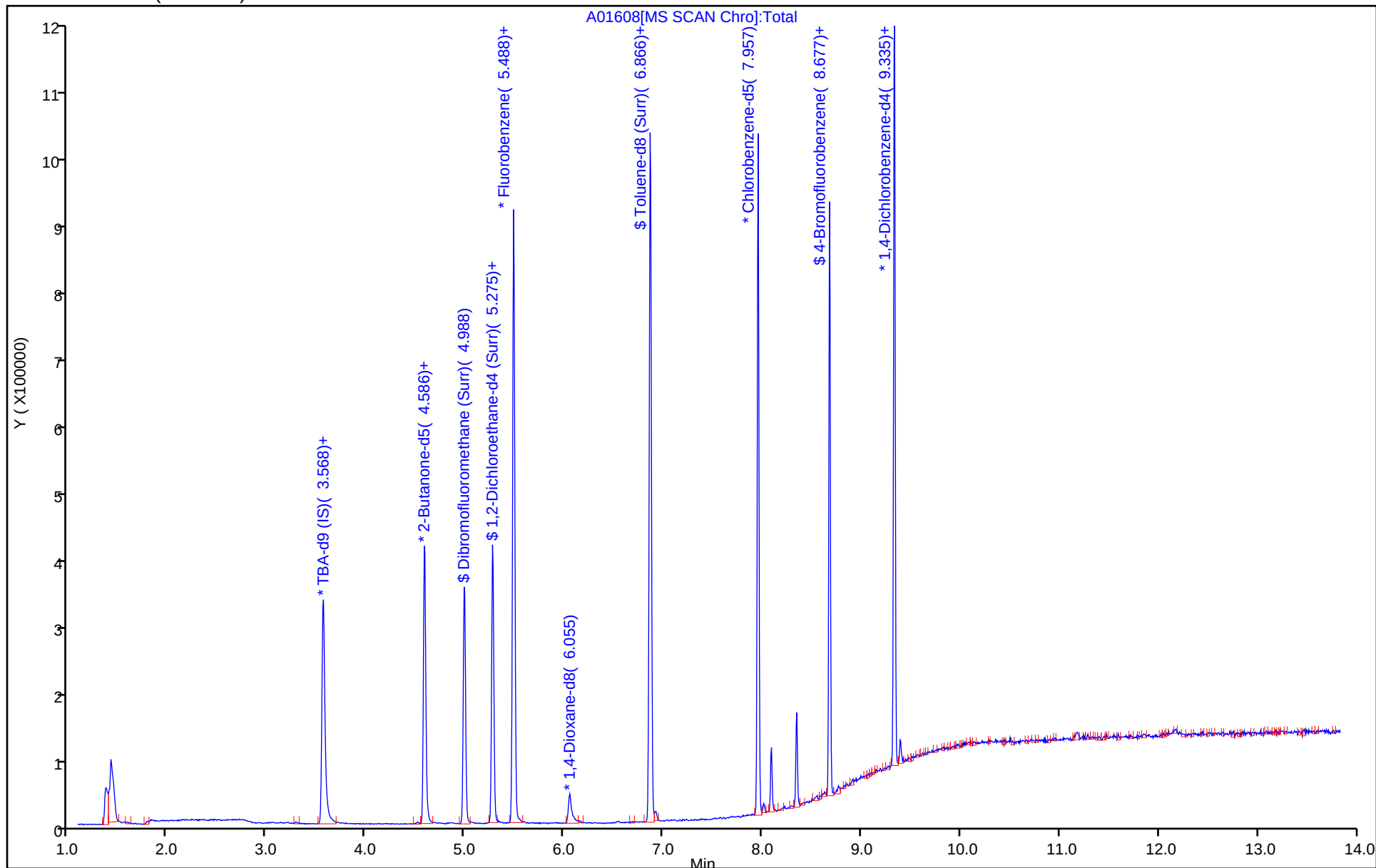
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Client Sample ID: TRIP BLANK Lab Sample ID: 460-231372-4
 Matrix: Water Lab File ID: A01628.D
 Analysis Method: 8260D Date Collected: 04/01/2021 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 04/06/2021 23:10
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 769803 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
79-01-6	Trichloroethene (TCE)	0.31	U	1.0	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		75-123
2037-26-5	Toluene-d8 (Surr)	109		80-120
460-00-4	4-Bromofluorobenzene	89		76-120
1868-53-7	Dibromofluoromethane (Surr)	97		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01628.D
 Lims ID: 460-231372-C-4
 Client ID: TRIP BLANK
 Sample Type: Client
 Inject. Date: 06-Apr-2021 23:10:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-231372-C-4
 Misc. Info.: 460-0126610-010
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 10:01:31 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1669

First Level Reviewer: moroneyc

Date: 07-Apr-2021 07:11:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.568	3.562	0.006	33	382730	1000.0	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	85	452961	250.0	
\$ 55 Dibromofluoromethane (Surr)	113	4.988	4.989	0.000	97	181406	48.6	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	37	235518	56.1	
* 66 Fluorobenzene	96	5.488	5.488	0.000	98	706873	50.0	
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	21	31315	1000.0	
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	99	641900	54.5	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	88	416792	50.0	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	86	166381	44.7	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	97	221143	50.0	

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01628.D

Injection Date: 06-Apr-2021 23:10:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: 460-231372-C-4

Lab Sample ID: 460-231372-4

Worklist Smp#: 10

Client ID: TRIP BLANK

Purge Vol: 5.000 mL

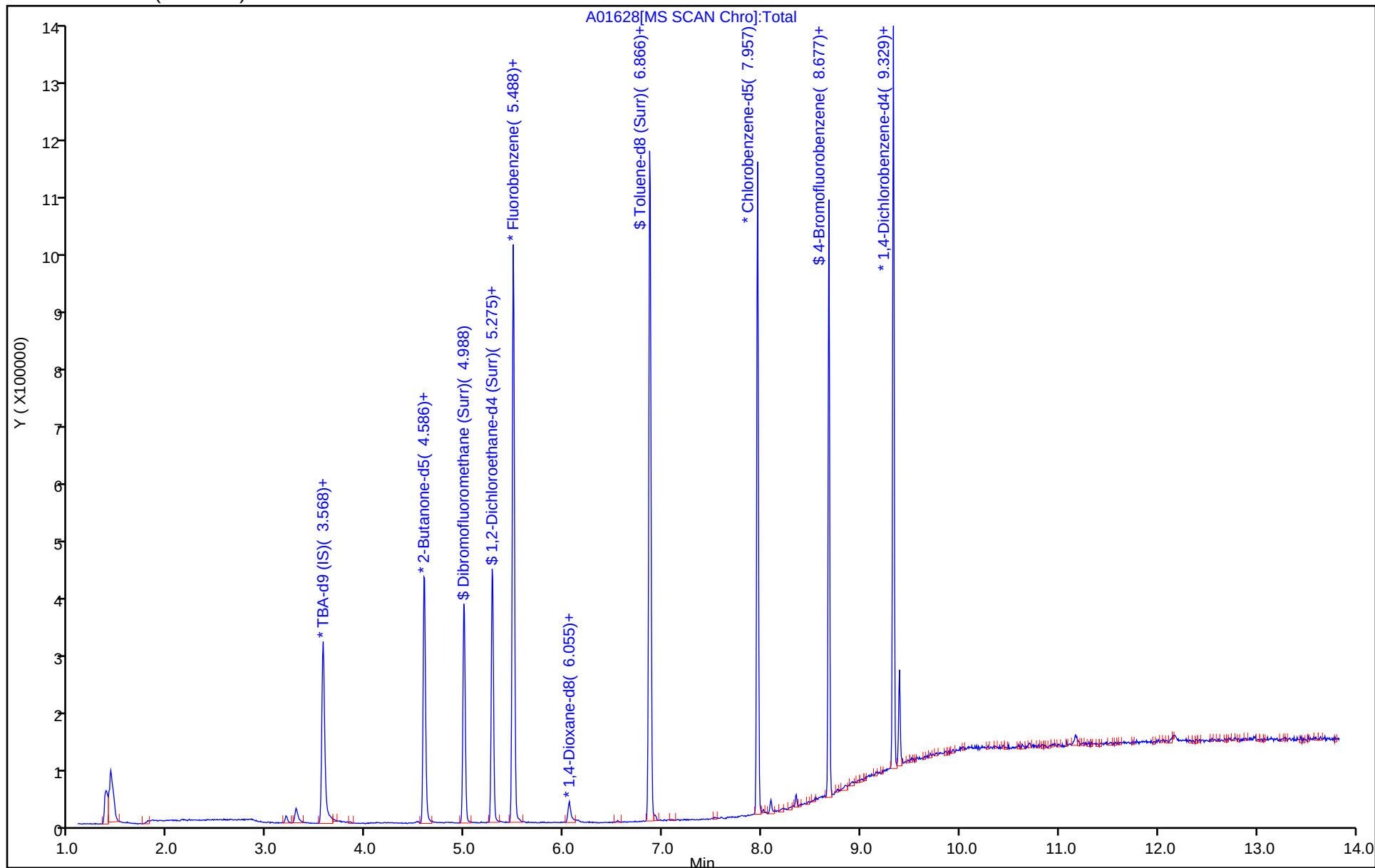
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-768128/3	A01244.D
Level 2	STD1 460-768128/4	A01245.D
Level 3	STD5 460-768128/5	A01246.D
Level 4	STD20 460-768128/6	A01247.D
Level 5	STD50 460-768128/7	A01248.D
Level 6	STD200 460-768128/8	A01249.D
Level 7	STD500 460-768128/9	A01250.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	++++ 0.1343	0.0946 0.1297	0.1413	0.1319	0.1200	Ave		0.125 3				13.2		20.0			
Dichlorodifluoromethane	++++ 0.3744	0.2754 0.3548	0.4070	0.4091	0.3599	Ave		0.363 4			0.1000	13.4		20.0			
Chlorodifluoromethane	++++ 0.3320	0.3686 0.3175	0.3674	0.3442	0.3343	Ave		0.344 0				5.9		20.0			
Chloromethane	++++ 0.3785	0.4887 0.3576	0.4662	0.4451	0.3942	Ave		0.421 7			0.1000	12.4		20.0			
Vinyl chloride	++++ 0.3509	0.3850 0.3401	0.4143	0.4045	0.3562	Ave		0.375 2			0.1000	8.1		20.0			
Butadiene	0.2393 0.2974	0.2615 0.2907	0.2961	0.3266	0.2974	Ave		0.287 0				9.9		20.0			
Bromomethane	++++ 0.2104	0.2466 0.1409	0.2594	0.2561	0.2162	QuaF		0.252 9	-0.000224		0.1000				1.0000		0.9900
Chloroethane	++++ 0.1840	0.2243 0.1580	0.2313	0.2180	0.1863	Ave		0.200 3			0.1000	14.3		20.0			
Dichlorofluoromethane	++++ 0.4307	0.5180 0.4062	0.5203	0.4954	0.4468	Ave		0.469 6				10.3		20.0			
Trichlorofluoromethane	++++ 0.3570	0.3474 0.3427	0.3789	0.3962	0.3477	Ave		0.361 6			0.1000	5.9		20.0			
Pentane	++++ 1.5457	1.3432 1.2406	1.8024	1.7434	1.5011	Ave		1.529 4				14.3		20.0			
Ethanol	++++ 0.0519	0.0591 0.0549	0.0589	0.0464	0.0484	Ave		0.053 3				9.9		20.0			
Ethyl ether	++++ 0.2170	0.2556 0.2047	0.2680	0.2462	0.2370	Ave		0.238 1				10.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Methyl-1,3-butadiene	++++ 0.2242	0.2446 0.2119	0.2875	0.2523	0.2285	Ave		0.241 5				11.1		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	++++ 0.2037	0.2320 0.1976	0.2340	0.2154	0.2044	Ave		0.214 5				7.2		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	++++ 0.3401	0.3866 0.3339	0.3870	0.3632	0.3357	Ave		0.357 7				6.9		20.0			
Acrolein	++++ 1.0248	1.0726 0.9864	1.0372	1.0562	1.0545	Ave		1.038 6				2.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 0.2382	0.2019 0.2283	0.2597	0.2510	0.2207	Ave		0.233 3			0.1000	9.0		20.0			
1,1-Dichloroethene	++++ 0.2368	0.2565 0.2386	0.2711	0.2570	0.2424	Ave		0.250 4			0.1000	5.4		20.0			
Acetone	++++ 0.2641	0.2861 0.2622	0.2535	0.2550	0.2435	Ave		0.260 7			0.0500	5.5		20.0			
Iodomethane	++++ 0.4236	0.4549 0.4148	0.4804	0.4827	0.4448	Ave		0.450 2				6.3		20.0			
Isopropyl alcohol	++++ 0.6104	0.6126 0.6348	0.6980	0.6330	0.6132	Ave		0.633 7				5.3		20.0			
Carbon disulfide	++++ 0.8785	0.9989 0.8579	1.0294	1.0122	0.9123	Ave		0.948 2			0.1000	7.8		20.0			
3-Chloro-1-propene	++++ 0.1741	0.1991 0.1713	0.1854	0.1857	0.1712	Ave		0.181 1				6.1		20.0			
Methyl acetate	++++ 0.1995	0.2361 0.1890	0.2561	0.2181	0.2079	Ave		0.217 8			0.1000	11.4		20.0			
Cyclopentene	++++ 0.6172	0.6892 0.5736	0.7501	0.7084	0.6361	Ave		0.662 4				9.8		20.0			
Acetonitrile	++++ 1.0650	0.9504 1.1595	0.8732	0.9232	1.1143	Ave		1.014 3				11.3		20.0			
Methylene Chloride	++++ 0.2772	0.3176 0.2716	0.3248	0.3156	0.2918	Ave		0.299 8			0.1000	7.6		20.0			
2-Methyl-2-propanol	++++ 1.0447	1.0401 1.0566	1.1257	0.9451	1.0249	Ave		1.039 5				5.6		20.0			
Methyl tert-butyl ether	++++ 0.7892	0.8441 0.7298	0.9087	0.8572	0.8110	Ave		0.823 3			0.1000	7.5		20.0			
trans-1,2-Dichloroethene	++++ 0.2686	0.3138 0.2614	0.3151	0.3110	0.2784	Ave		0.291 4			0.1000	8.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acrylonitrile	0.1083 0.1048	0.1127 0.0881	0.1307	0.1188	0.1116	Ave		0.110 7				11.8		20.0			
Hexane	++++ 0.2215	0.2177 0.1985	0.2513	0.2164	0.2045	Ave		0.218 3				8.4		20.0			
Isopropyl ether	++++ 0.8090	0.8349 0.7302	0.9082	0.8708	0.8255	Ave		0.829 8				7.3		20.0			
1,1-Dichloroethane	++++ 0.4561	0.5340 0.4367	0.5554	0.5186	0.4813	Ave		0.497 0		0.2000		9.4		20.0			
Vinyl acetate	++++ 2.2960	1.8006 2.0412	1.6003	2.1130	2.1697	Ave		2.003 4				12.8		20.0			
2-Chloro-1,3-butadiene	++++ 0.2375	0.2372 0.2331	0.2638	0.2536	0.2344	Ave		0.243 3				5.1		20.0			
tert-butyl ethyl ether	++++ 0.8194	0.8565 0.7429	0.9285	0.8745	0.8445	Ave		0.844 4				7.3		20.0			
2,2-Dichloropropane	++++ 0.0791	0.0899 0.0789	0.0900	0.0934	0.0835	Ave		0.085 8				7.2		20.0			
cis-1,2-Dichloroethene	++++ 0.2901	0.3093 0.2744	0.3569	0.3333	0.3108	Ave		0.312 5		0.1000		9.5		20.0			
2-Butanone (MEK)	++++ 0.2947	0.3314 0.2821	0.3016	0.2783	0.3000	Ave		0.298 0		0.0500		6.3		20.0			
Ethyl acetate	++++ 0.2804	0.2180 0.2755	0.2759	0.2489	0.2789	Ave		0.262 9				9.5		20.0			
Methyl acrylate	++++ 0.2464	0.2395 0.2367	0.2434	0.2054	0.2366	Ave		0.234 7				6.3		20.0			
Propionitrile	++++ 1.5181	1.5493 1.3670	1.6587	1.4923	1.5279	Ave		1.518 9				6.2		20.0			
Tetrahydrofuran	++++ 0.3220	0.3371 0.2948	0.3225	0.3344	0.3374	Ave		0.324 7				5.0		20.0			
Chlorobromomethane	++++ 0.1464	0.1541 0.1385	0.1684	0.1702	0.1559	Ave		0.155 6				7.9		20.0			
Methacrylonitrile	++++ 0.1151	0.1167 0.0875	0.1253	0.1157	0.1211	Ave		0.113 6				11.7		20.0			
Chloroform	++++ 0.4318	0.5036 0.3862	0.5271	0.4950	0.4607	Ave		0.467 4		0.2000		11.1		20.0			
Cyclohexane	++++ 0.4505	0.4345 0.4212	0.5287	0.4854	0.4382	Ave		0.459 7		0.1000		8.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	++++ 0.3690	0.3860 0.3578	0.4133	0.4009	0.3730	Ave		0.383 3			0.1000	5.4		20.0			
Carbon tetrachloride	++++ 0.3029	0.3058 0.3060	0.3197	0.3117	0.2946	Ave		0.306 8			0.1000	2.7		20.0			
1,1-Dichloropropene	++++ 0.3544	0.3942 0.3433	0.3990	0.3704	0.3569	Ave		0.369 7				6.1		20.0			
Isobutyl alcohol	++++ 0.4267	0.3766 0.4703	0.3611	0.3038	0.3904	Ave		0.388 2				14.7		20.0			
Isooctane	++++ 0.9381	0.7252 0.7988	1.0093	1.0163	0.9080	Ave		0.899 3				12.9		20.0			
Benzene	++++ 1.4235	1.8390 1.1661	2.0015	1.9155	1.6065	Ave		1.658 7			0.5000	19.4		20.0			
Isopropyl acetate	++++ 0.1166	0.3434 0.1118	0.1513	0.1039	0.1091	QuaF		0.118 1	-0.000013						1.0000		0.9900
Tert-amyl methyl ether	++++ 0.2634	0.2685 0.2525	0.2687	0.2628	0.2627	Ave		0.263 1				2.2		20.0			
1,2-Dichloroethane	++++ 0.3286	0.3761 0.3135	0.3764	0.3340	0.3303	Ave		0.343 1			0.1000	7.7		20.0			
n-Heptane	++++ 0.2652	0.1753 0.2361	0.3512	0.2701	0.2762	QuaF		0.283 9	-0.000096						1.0000		0.9900
n-Butanol	++++ 0.2992	0.2271 0.3055	0.2159	0.2199	0.2666	Ave		0.255 7				15.8		20.0			
Trichloroethene (TCE)	++++ 0.2712	0.2995 0.2664	0.2940	0.2688	0.2720	Ave		0.278 6			0.2000	5.1		20.0			
Ethyl acrylate	++++ 0.4914	0.2629 0.4607	0.7643	0.7035	0.5274	QuaF		0.519 6	-0.000118						1.0000		0.9900
Methylcyclohexane	++++ 0.4571	0.4041 0.4197	0.5029	0.4871	0.4383	Ave		0.451 5			0.1000	8.5		20.0			
1,2-Dichloropropane	++++ 0.2604	0.2608 0.2558	0.2677	0.2379	0.2553	Ave		0.256 3			0.1000	3.9		20.0			
Methyl methacrylate	++++ 0.0751	0.0532 0.0734	0.0535	0.0504	0.0649	Ave		0.061 7				17.6		20.0			
n-Propyl acetate	++++ 0.3595	0.2996 0.3512	0.2649	0.2303	0.3072	Ave		0.302 1				16.4		20.0			
1,4-Dioxane	++++ 1.0193	0.8435 0.7586	1.2461	1.1242	1.0870	Ave		1.013 1				18.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromomethane	++++ 0.1664	0.1673 0.1613	0.1765	0.1608	0.1646	Ave		0.166 2				3.4		20.0			
Dichlorobromomethane	++++ 0.3346	0.3185 0.3351	0.3282	0.2971	0.3227	Ave		0.322 7			0.2000	4.4		20.0			
2-Chloroethyl vinyl ether	++++ 0.1656	0.1118 0.1624	0.1241	0.1081	0.1414	Ave		0.135 6				18.4		20.0			
2-Nitropropane	++++ 0.0436	0.0527 0.0482	0.0367	0.0251	0.0337	QuaF		0.039 1	0.0000092						1.0000		0.9900
Epichlorohydrin	0.2004 0.2218	0.1917 0.2054	0.2073	0.2007	0.2179	Ave		0.206 5				5.1		20.0			
cis-1,3-Dichloropropene	++++ 0.6027	0.6347 0.5616	0.6438	0.5954	0.6310	Ave		0.611 5			0.2000	5.1		20.0			
4-Methyl-2-pentanone (MIBK)	++++ 2.0449	1.7149 1.6823	1.7807	1.8251	2.0278	Ave		1.845 9			0.0500	8.4		20.0			
Toluene	++++ 1.4519	1.6729 1.1833	1.7747	1.6209	1.5635	Ave		1.544 5			0.4000	13.4		20.0			
Ethyl methacrylate	++++ 0.3354	0.2213 0.3284	0.2374	0.2244	0.2825	Ave		0.271 6				19.0		20.0			
trans-1,3-Dichloropropene	++++ 0.5372	0.4906 0.4955	0.5326	0.4846	0.5289	Ave		0.511 6			0.1000	4.6		20.0			
1,1,2-Trichloroethane	++++ 0.2641	0.2637 0.2530	0.2861	0.2537	0.2668	Ave		0.264 5			0.1000	4.5		20.0			
Tetrachloroethene	++++ 0.3815	0.4479 0.3580	0.4418	0.4202	0.4005	Ave		0.408 3			0.2000	8.6		20.0			
1,3-Dichloropropane	++++ 0.5429	0.5570 0.4970	0.5695	0.5014	0.5275	Ave		0.532 5				5.5		20.0			
2-Hexanone	++++ 1.3353	0.9245 1.1817	0.9657	0.9263	1.1462	Ave		1.080 0			0.0500	15.5		20.0			
n-Butyl acetate	++++ 0.0967	0.0739 0.0975	0.1013	0.0843	0.0823	Ave		0.089 3				12.0		20.0			
Chlorodibromomethane	++++ 0.3403	0.3049 0.3336	0.3161	0.3104	0.3200	Ave		0.320 9			0.1000	4.3		20.0			
Ethylene Dibromide	++++ 0.3310	0.3245 0.3139	0.3295	0.3091	0.3240	Ave		0.322 0			0.1000	2.7		20.0			
Chlorobenzene	++++ 0.9462	1.0028 0.8231	1.0425	0.9886	0.9669	Ave		0.961 7			0.5000	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.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethylbenzene	++++ 0.4992	0.5460 0.4544	0.5532	0.5386	0.5206	Ave		0.518 7			0.1000	7.1		20.0			
1,1,1,2-Tetrachloroethane	++++ 0.3464	0.3956 0.3249	0.3743	0.4042	0.3623	Ave		0.368 0				8.1		20.0			
m-Xylene & p-Xylene	++++ 0.6158	0.6767 0.5673	0.6664	0.6659	0.6806	Ave		0.645 4			0.1000	6.9		20.0			
n-Butyl acrylate	++++ 0.2493	0.2626 0.2545	0.2328	0.2161	0.2231	Ave		0.239 7				7.7		20.0			
o-Xylene	++++ 0.6154	0.7288 0.5407	0.7263	0.7302	0.6805	Ave		0.670 3			0.3000	11.6		20.0			
Styrene	++++ 1.0118	1.0563 0.8476	1.0199	1.0378	1.0257	Ave		0.999 9			0.3000	7.6		20.0			
Amyl acetate (mixed isomers)	++++ 1.1371	0.9737 1.0615	1.0306	0.9585	1.0370	Ave		1.033 0				6.2		20.0			
Bromoform	++++ 0.2358	0.1691 0.2465	0.2174	0.2089	0.2091	Ave		0.214 5			0.1000	12.5		20.0			
Isopropylbenzene	++++ 1.4946	1.8086 1.1273	1.9517	1.9331	1.7299	Ave		1.674 2			0.1000	18.8		20.0			
1,1,2,2-Tetrachloroethane	++++ 0.7803	0.7607 0.6938	0.8453	0.8023	0.7867	Ave		0.778 2			0.3000	6.4		20.0			
Bromobenzene	++++ 0.7904	0.8839 0.7192	0.7961	0.7840	0.7898	Ave		0.793 9				6.6		20.0			
N-Propylbenzene	++++ 3.1498	3.6601 2.2334	3.7250	3.5607	3.5037	Ave		3.305 4				17.0		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.2118	0.2098 0.2126	0.2254	0.1874	0.1989	Ave		0.207 6				6.3		20.0			
1,2,3-Trichloropropane	++++ 0.2313	0.2512 0.2212	0.2335	0.2332	0.2285	Ave		0.233 1				4.3		20.0			
4-Ethyltoluene	++++ 2.6640	2.8850 2.0214	2.9840	2.9617	3.0407	Ave		2.759 5				13.9		20.0			
2-Chlorotoluene	++++ 2.6303	2.7686 2.1819	2.9474	2.8021	2.7732	Ave		2.683 9				9.9		20.0			
1,3,5-Trimethylbenzene	++++ 2.4944	2.5495 1.8961	2.8815	2.7793	2.9196	Ave		2.586 8				14.7		20.0			
Butyl Methacrylate	++++ 0.9689	0.7440 0.8883	0.7873	0.8604	0.9159	Ave		0.860 8				9.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
4-Chlorotoluene	++++ 2.0956	2.1674 1.7230	2.3449	2.0952	2.1172	Ave		2.090 5				9.7		20.0			
tert-Butylbenzene	++++ 2.2171	2.3573 1.8163	2.3294	2.2857	2.4323	Ave		2.239 7				9.8		20.0			
1,2,4-Trimethylbenzene	++++ 2.5458	2.7570 1.9446	2.8789	2.8385	2.9848	Ave		2.658 3				14.3		20.0			
sec-Butylbenzene	++++ 3.0688	3.2497 2.2489	3.4559	3.5046	3.4752	Ave		3.167 2				15.2		20.0			
4-Isopropyltoluene	++++ 2.6844	2.7544 2.0532	2.9507	2.9987	2.9989	Ave		2.740 1				13.2		20.0			
1,3-Dichlorobenzene	++++ 1.4640	1.5929 1.2900	1.5882	1.5515	1.5071	Ave		1.499 0			0.6000	7.6		20.0			
1,4-Dichlorobenzene	++++ 1.4414	1.6397 1.1863	1.6731	1.5516	1.5178	Ave		1.501 6			0.5000	11.7		20.0			
1,2,3-Trimethylbenzene	++++ 2.7231	2.9689 1.9662	3.0772	3.0657	3.0622	Ave		2.810 5				15.5		20.0			
Benzyl chloride	++++ 1.6342	1.3766 1.4206	1.4542	1.5670	1.5582	Ave		1.501 8				6.6		20.0			
Indan	++++ 2.7150	3.1719 1.9739	3.2178	3.1776	3.0672	Ave		2.887 2				16.8		20.0			
p-Diethylbenzene	++++ 1.5162	1.6733 1.2373	1.7534	1.7606	1.7326	Ave		1.612 2				12.7		20.0			
n-Butylbenzene	++++ 1.4403	1.5357 1.2587	1.6443	1.6033	1.5390	Ave		1.503 6				9.2		20.0			
1,2-Dichlorobenzene	++++ 1.5051	1.7124 1.3075	1.7268	1.6626	1.5763	Ave		1.581 8			0.4000	10.0		20.0			
1,2,4,5-Tetramethylbenzene	++++ 2.6461	2.8556 2.1186	2.9181	2.9976	3.1080	Ave		2.774 0				12.8		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1689	0.2485 0.1616	0.1857	0.1781	0.1599	Ave		0.183 8			0.0500	18.0		20.0			
1,3,5-Trichlorobenzene	++++ 1.2200	1.3637 1.1110	1.3973	1.4517	1.3823	Ave		1.321 0				9.7		20.0			
1,2,4-Trichlorobenzene	++++ 1.1804	1.3850 1.0917	1.3458	1.4652	1.3853	Ave		1.308 9			0.2000	10.9		20.0			
Hexachlorobutadiene	++++ 0.6070	0.7556 0.6327	0.6129	0.6621	0.6929	Ave		0.660 5				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.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Naphthalene	++++ 2.8709	2.9936 2.3701	2.9982	3.3822	3.2234	Ave		2.973 1				11.7		20.0			
1,2,3-Trichlorobenzene	++++ 1.0877	1.2340 1.0367	1.2063	1.3504	1.2513	Ave		1.194 4				9.6		20.0			
Dibromofluoromethane (Surr)	0.2665 0.2542	0.2658 0.2451	0.2737	0.2828	0.2589	Ave		0.263 8				4.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2965 0.2969	0.2972 0.2937	0.3074	0.2952	0.2912	Ave		0.296 9				1.7		20.0			
Toluene-d8 (Surr)	1.4349 1.3625	1.4387 1.3377	1.4537	1.4491	1.4067	Ave		1.411 9				3.2		20.0			
4-Bromofluorobenzene	0.4439 0.4377	0.4524 0.4807	0.4323	0.4471	0.4324	Ave		0.446 6				3.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-768128/3	A01244.D
Level 2	STD1 460-768128/4	A01245.D
Level 3	STD5 460-768128/5	A01246.D
Level 4	STD20 460-768128/6	A01247.D
Level 5	STD50 460-768128/7	A01248.D
Level 6	STD200 460-768128/8	A01249.D
Level 7	STD500 460-768128/9	A01250.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	++++ 358320	1154 915175	7320	29012	74400	++++ 200	1.00 500	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	++++ 999018	3359 2503672	21087	89977	223158	++++ 200	1.00 500	5.00	20.0	50.0
Chlorodifluoromethane	FB	Ave	++++ 886012	4496 2240277	19034	75720	207279	++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	++++ 1010167	5960 2523228	24155	97893	244438	++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	++++ 936450	4696 2399509	21463	88974	220878	++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	733 793704	3190 2051279	15342	71846	184425	0.250 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	QuaF	++++ 561479	3008 993950	13438	56337	134093	++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	++++ 491025	2736 1114876	11983	47958	115540	++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	++++ 1149308	6318 2865926	26956	108959	277065	++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	++++ 952707	4237 2417801	19629	87148	215623	++++ 200	1.00 500	5.00	20.0	50.0
Pentane	TBAd 9	Ave	++++ 224763	881 497496	5128	20848	50507	++++ 400	2.00 1000	10.0	40.0	100
Ethanol	TBAd 9	Ave	++++ 150986	775 440213	3352	11101	32597	++++ 8000	40.0 20000	200	800	2000
Ethyl ether	FB	Ave	++++	3118	13885	54154	146989	++++	1.00	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			579055	1444046				200	500			
2-Methyl-1,3-butadiene	FB	Ave	++++ 598266	2983 1495204	14897	55493	141707	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	++++ 543713	2830 1394393	12122	47375	126757	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	++++ 907508	4715 2355848	20050	79897	208154	++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd 9	Ave	++++ 74509	1407 158220	5902	12630	35479	++++ 200	4.00 400	20.0	40.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 635657	2462 1610512	13452	55203	136871	++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethene	FB	Ave	++++ 631908	3129 1683715	14045	56535	150308	++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	++++ 413095	1939 1090974	7534	29887	84720	++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	++++ 1130361	5548 2926469	24886	106173	275803	++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd 9	Ave	++++ 443843	2009 1272708	9929	37846	103166	++++ 2000	10.0 5000	50.0	200	500
Carbon disulfide	FB	Ave	++++ 2344291	12183 6053176	53331	222641	565688	++++ 200	1.00 500	5.00	20.0	50.0
3-Chloro-1-propene	FB	Ave	++++ 464564	2429 1208565	9603	40845	106170	++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	FB	Ave	++++ 1064963	5760 2666645	26535	95957	257857	++++ 400	2.00 1000	10.0	40.0	100
Cyclopentene	FB	Ave	++++ 1647195	8406 4047203	38862	155817	394410	++++ 200	1.00 500	5.00	20.0	50.0
Acetonitrile	TBAd 9	Ave	++++ 774307	3117 2324736	12422	55198	187460	++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	++++	3874	16826	69420	180933	++++	1.00	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			739777	1916188				200	500			
2-Methyl-2-propanol	TBAd 9	Ave	++++ 759602	3411 2118580	16014	56510	172425	++++ 2000	10.0 5000	50.0	200	500
Methyl tert-butyl ether	FB	Ave	++++ 2106104	10295 5149559	47077	188538	502921	++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	++++ 716903	3827 1844549	16326	68414	172656	++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	FB	Ave	2654 2796088	13749 6214057	67720	261239	691928	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	++++ 591138	2655 1400551	13019	47607	126827	++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	++++ 2158894	10183 5152222	47049	191538	511891	++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	++++ 1217089	6513 3081308	28772	114078	298431	++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	TBAd 9	Ave	++++ 333872	1181 818512	4553	25267	73003	++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Ave	++++ 633677	2893 1644764	13667	55786	145375	++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	++++ 2186564	10446 5241684	48103	192362	523638	++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	++++ 211158	1096 557030	4665	20535	51754	++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	++++ 774121	3772 1936392	18488	73310	192717	++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone (MEK)	BUT	Ave	++++ 460863	2246 1174137	8963	32614	104385	++++ 1000	5.00 2500	25.0	100	250
Ethyl acetate	BUT	Ave	++++ 175407	591 458587	3280	11666	38811	++++ 400	2.00 1000	10.0	40.0	100
Methyl acrylate	FB	Ave	++++ 657499	2921 1670270	12608	45181	146712	++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBAd 9	Ave	++++ 1103790	5081 2740771	23596	89224	257042	++++ 2000	10.0 5000	50.0	200	500

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Tetrahydrofuran	BUT	Ave	++++ 201450	914 490655	3834	15673	46955	++++ 400	2.00 1000	10.0	40.0	100
Chlorobromomethane	FB	Ave	++++ 390617	1879 977424	8725	37433	96667	++++ 200	1.00 500	5.00	20.0	50.0
Methacrylonitrile	FB	Ave	++++ 3072054	14230 6176445	64930	254419	751220	++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	++++ 1152213	6142 2724684	27309	108874	285696	++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	++++ 1202277	5299 2971674	27389	106771	271752	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	++++ 984722	4708 2524481	21412	88175	231280	++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	++++ 808414	3730 2159049	16561	68554	182676	++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	++++ 945728	4808 2422428	20672	81478	221280	++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd 9	Ave	++++ 775628	3088 2357310	12842	45413	164203	++++ 5000	25.0 12500	125	500	1250
Isooctane	FB	Ave	++++ 2503384	8845 5636013	52288	223554	563062	++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZ d5	Ave	++++ 2750335	13657 6172031	61056	244339	671526	++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	QuaF	++++ 311102	4188 788765	7836	22851	67668	++++ 200	1.00 500	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	++++ 702958	3275 1781615	13920	57803	162916	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	++++ 876792	4587 2211644	19501	73463	204798	++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	QuaF	++++ 707738	2138 1665704	18196	59408	171248	++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd 9	Ave	++++ 543915	1862 1531151	7678	32867	112116	++++ 5000	25.0 12500	125	500	1250
Trichloroethene (TCE)	FB	Ave	++++	3653	15229	59115	168692	++++	1.00	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			723662	1879696				200	500			
Ethyl acrylate	FB	QuaF	++++ 1311439	3207 3250815	39596	154740	327009	++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	++++ 1219929	4929 2961582	26054	107133	271756	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	++++ 694873	3181 1804540	13869	52318	158339	++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	++++ 400633	1297 1035593	5546	22156	80430	++++ 400	2.00 1000	10.0	40.0	100
n-Propyl acetate	FB	Ave	++++ 959404	3654 2477624	13724	50662	190522	++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dioxane	DXE	Ave	++++ 153636	1285 491785	2884	11106	33768	++++ 4000	50.0 10000	100	400	1000
Dibromomethane	FB	Ave	++++ 444110	2041 1138212	9142	35366	102079	++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	++++ 892945	3885 2364616	17005	65359	200093	++++ 200	1.00 500	5.00	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	++++ 442964	1367 1148275	6446	23824	87915	++++ 200	1.00 501	5.01	20.0	50.1
2-Nitropropane	FB	QuaF	++++ 232643	1285 680348	3807	11051	41770	++++ 400	2.00 1000	10.0	40.0	100
Epichlorohydrin	BUT	Ave	1327 1387527	5197 3419534	24644	94079	303285	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZ d5	Ave	++++ 1164425	4713 2972713	19640	75945	263751	++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	++++ 3198386	11623 7000818	52918	213872	705525	++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZ d5	Ave	++++ 2805159	12423 6263214	54139	206760	653549	++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	FB	Ave	++++ 894973	2699 2316805	12300	49361	175186	++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	++++ 1037956	3643 2622843	16248	61820	221079	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,2-Trichloroethane	CBNZ d5	Ave	++++ 510222	1958 1338889	8727	32359	111534	++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZ d5	Ave	++++ 737149	3326 1894780	13478	53597	167417	++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	++++ 1049008	4136 2630687	17373	63956	220497	++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	++++ 2088491	6266 4917683	28698	108549	398808	++++ 1000	5.00 2500	25.0	100	250
n-Butyl acetate	CBNZ d5	Ave	++++ 186752	549 515873	3089	10757	34417	++++ 200	1.00 500	5.00	20.0	50.0
Chlorodibromomethane	CBNZ d5	Ave	++++ 657591	2264 1765720	9642	39597	133766	++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Ave	++++ 639602	2410 1661327	10053	39432	135431	++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	++++ 1828113	7447 4356550	31802	126106	404157	++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	++++ 964485	4055 2405221	16877	68704	217626	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	++++ 669369	2938 1719418	11417	51563	151452	++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	++++ 1189795	5025 3002543	20329	84937	284480	++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Ave	++++ 481600	1950 1346853	7103	27561	93248	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
o-Xylene	CBNZ d5	Ave	+++++	5412	22156	93141	284474	+++++	1.00	5.00	20.0	50.0
			1189003	2861936				200	500			
Styrene	CBNZ d5	Ave	+++++	7844	31113	132386	428767	+++++	1.00	5.00	20.0	50.0
			1954882	4486323				200	500			
Amyl acetate (mixed isomers)	DCBd 4	Ave	+++++	4205	18018	71657	234095	+++++	1.00	5.00	20.0	50.0
			1150603	2973956				200	500			
Bromoform	CBNZ d5	Ave	+++++	1256	6631	26642	87396	+++++	1.00	5.00	20.0	50.0
			455674	1304778				200	500			
Isopropylbenzene	CBNZ d5	Ave	+++++	13431	59538	246582	723138	+++++	1.00	5.00	20.0	50.0
			2887787	5966686				200	500			
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++	3285	14779	59981	177588	+++++	1.00	5.00	20.0	50.0
			789564	1943824				200	500			
Bromobenzene	DCBd 4	Ave	+++++	3817	13919	58614	178287	+++++	1.00	5.00	20.0	50.0
			799769	2015115				200	500			
N-Propylbenzene	DCBd 4	Ave	+++++	15806	65126	266200	790946	+++++	1.00	5.00	20.0	50.0
			3187265	6257304				200	500			
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++	906	3941	14007	44898	+++++	1.00	5.00	20.0	50.0
			214327	595623				200	500			
1,2,3-Trichloropropane	DCBd 4	Ave	+++++	1085	4082	17434	51575	+++++	1.00	5.00	20.0	50.0
			234009	619798				200	500			
4-Ethyltoluene	DCBd 4	Ave	+++++	12459	52171	221423	686441	+++++	1.00	5.00	20.0	50.0
			2695755	5663520				200	500			
2-Chlorotoluene	DCBd 4	Ave	+++++	11956	51531	209489	626045	+++++	1.00	5.00	20.0	50.0
			2661639	6113012				200	500			

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3,5-Trimethylbenzene	DCBd 4	Ave	++++ 2524138	11010 5312426	50379	207786	659098	++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	Ave	++++ 980432	3213 2488747	13764	64321	206756	++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	++++ 2120510	9360 4827321	40997	156636	477948	++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	++++ 2243524	10180 5088878	40727	170883	549092	++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	++++ 2576105	11906 5448286	50334	212212	673819	++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	++++ 3105376	14034 6300691	60421	262007	784525	++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	++++ 2716379	11895 5752559	51589	224186	676985	++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	++++ 1481440	6879 3614250	27767	115993	340224	++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	++++ 1458569	7081 3323558	29252	116000	342639	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	++++ 2755535	12821 5508828	53800	229194	691278	++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Ave	++++ 1653668	5945 3980021	25425	117148	351767	++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	++++ 2747340	13698 5530271	56258	237558	692411	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
p-Diethylbenzene	DCBd 4	Ave	++++ 1534245	7226 3466467	30655	131624	391133	++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	++++ 1457498	6632 3526640	28748	119867	347434	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	++++ 1523039	7395 3663320	30191	124300	355857	++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	++++ 2677593	12332 5935683	51019	224103	701628	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	++++ 170936	1073 452795	3247	13317	36101	++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	++++ 1234480	5889 3112577	24429	108530	312062	++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	++++ 1194409	5981 3058735	23529	109542	312732	++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	++++ 614202	3263 1772656	10716	49502	156425	++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	++++ 2905044	12928 6640378	52419	252860	727675	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	++++ 1100602	5329 2904651	21091	100954	282474	++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	163212 169561	162071 172955	141776	155533	160537	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	181628 198107	181245 207222	159266	162350	180583	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	524612	534207	443462	462133	588027	50.0	50.0	50.0	50.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 768128

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2021 02:38 Calibration End Date: 03/30/2021 05:21 Calibration ID: 84218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			658109	708042				50.0	50.0			
4-Bromofluorobenzene	CBNZ d5	Ave	162275	167994	131873	142587	180734	50.0	50.0	50.0	50.0	50.0
			211409	254442				50.0	50.0			

Curve Type Legend

Ave = Average ISTD

QuaF = Quadratic ISTD forced zero

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01244.D
 Lims ID: STD7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 30-Mar-2021 02:38:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD7
 Misc. Info.: 460-0126200-003
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 30-Mar-2021 18:13:40 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1681

First Level Reviewer: boykink

Date: 30-Mar-2021 03:56:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Butadiene	39	1.928	1.928	0.000	60	733	0.2500	0.2085	
* 30 TBA-d9 (IS)	65	3.568	3.568	0.000	33	325078	1000.0	1000.0	
35 Acrylonitrile	53	3.842	3.842	0.000	90	2654	2.00	1.96	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	87	331169	250.0	250.0	
\$ 55 Dibromofluoromethane (Surr)	113	4.988	4.988	0.000	98	163212	50.0	50.5	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	37	181628	50.0	49.9	
* 66 Fluorobenzene	96	5.488	5.488	0.000	99	612526	50.0	50.0	
* 73 1,4-Dioxane-d8	96	6.049	6.055	-0.006	21	29161	1000.0	1000.0	
80 Epichlorohydrin	57	6.634	6.628	0.006	94	1327	5.00	4.85	a
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	99	524612	50.0	50.8	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	85	365597	50.0	50.0	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	95	162275	50.0	49.7	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	95	214392	50.0	50.0	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00121	Amount Added: 0.00	Units: uL	
GASES Li_00413	Amount Added: 2.50	Units: uL	
ACRY/EPIH MIX_00084	Amount Added: 20.00	Units: uL	
Ethanol mix_00050	Amount Added: 0.00	Units: uL	
MIX 2 Hi_00109	Amount Added: 0.00	Units: uL	
MIX I Hi_00136	Amount Added: 0.00	Units: uL	
8FreonHi_00030	Amount Added: 0.00	Units: uL	
14DIOXINTER_00127	Amount Added: 0.00	Units: uL	
8260MIX1COMB_00134	Amount Added: 0.00	Units: uL	
524freon_00034	Amount Added: 0.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 30-Mar-2021 18:13:42

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurolins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01244.D

Injection Date: 30-Mar-2021 02:38:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: STD7

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

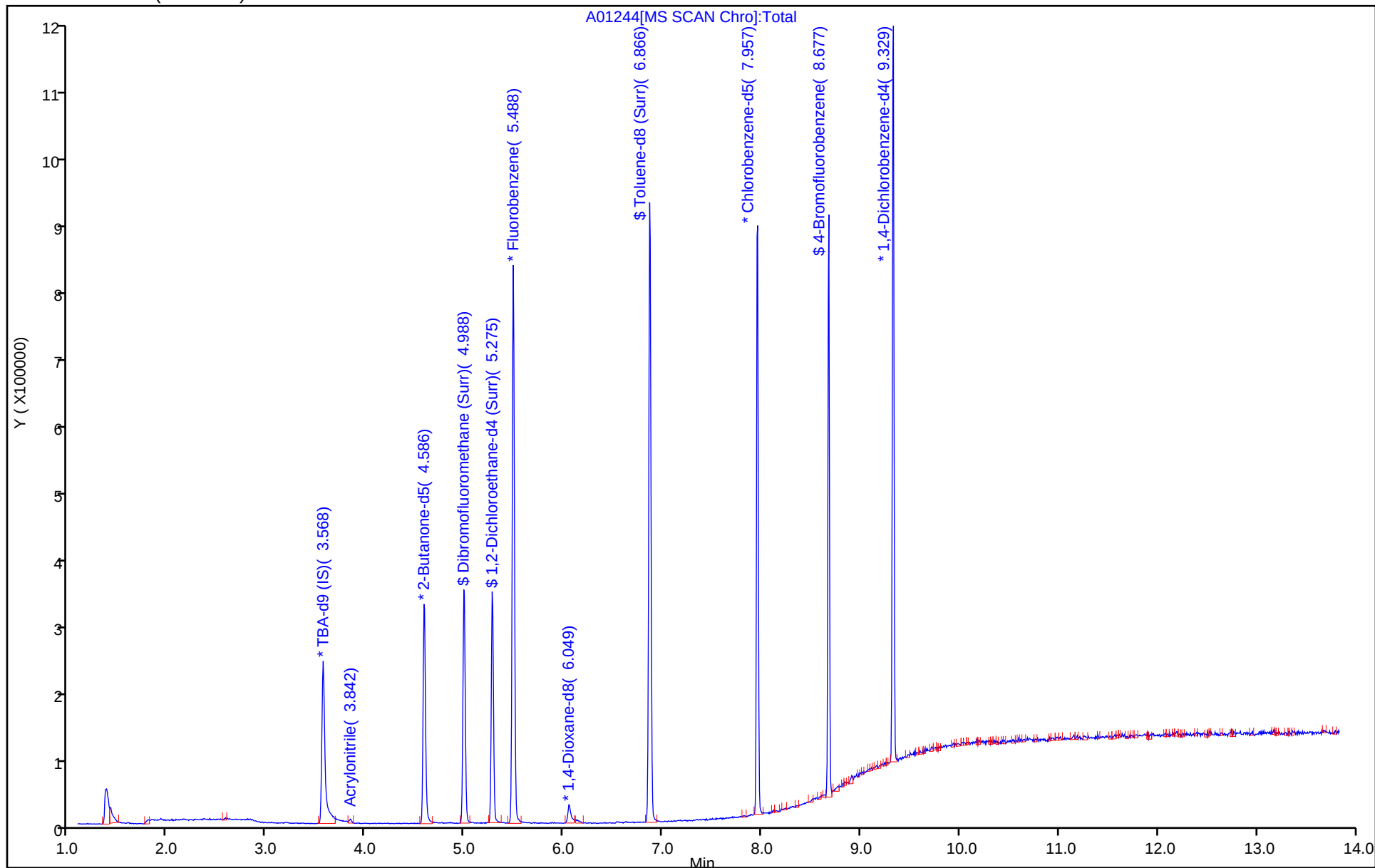
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01245.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 30-Mar-2021 03:05:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD1
 Misc. Info.: 460-0126200-004
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 30-Mar-2021 18:13:55 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1681

First Level Reviewer: boykink

Date: 30-Mar-2021 03:57:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.379	1.434	-0.055	29	458	1.00	1.19	
2 Chlorotrifluoroethene	116	1.550	1.556	-0.006	55	1154	1.00	0.7551	
3 1,1-Difluoroethane	51	1.568	1.568	0.000	92	2923	1.00	1.05	
4 Dichlorodifluoromethane	85	1.587	1.587	0.000	98	3359	1.00	0.7578	
5 Chlorodifluoromethane	51	1.617	1.617	0.000	96	4496	1.00	1.07	
6 Chloromethane	50	1.800	1.800	0.000	99	5960	1.00	1.16	
7 Vinyl chloride	62	1.904	1.904	0.000	96	4696	1.00	1.03	
8 Butadiene	39	1.928	1.928	0.000	97	3190	1.00	0.9112	
9 Bromomethane	94	2.282	2.269	0.013	90	3008	1.00	0.9760	M
10 Chloroethane	64	2.361	2.361	0.000	97	2736	1.00	1.12	
12 Trichlorofluoromethane	101	2.586	2.580	0.006	70	4237	1.00	0.9606	
11 Dichlorofluoromethane	67	2.580	2.580	0.000	95	6318	1.00	1.10	
13 Pentane	72	2.629	2.629	0.000	94	881	2.00	1.76	
14 Ethanol	46	2.812	2.812	0.000	66	775	40.0	44.4	
15 Ethyl ether	59	2.861	2.861	0.000	95	3118	1.00	1.07	
16 2-Methyl-1,3-butadiene	53	2.879	2.879	0.000	96	2983	1.00	1.01	
17 1,2-Dichloro-1,1,2-trifluoroethane	117	2.928	2.922	0.006	93	2830	1.00	1.08	
18 1,1,1-Trifluoro-2,2-dichloroethane	83	2.983	2.989	-0.006	94	4715	1.00	1.08	
19 Acrolein	56	3.062	3.056	0.006	79	1407	4.00	4.13	
20 112TCTFE	101	3.062	3.062	0.000	95	2462	1.00	0.8653	
21 1,1-Dichloroethene	96	3.086	3.092	-0.006	97	3129	1.00	1.02	
22 Acetone	58	3.196	3.196	0.000	88	1939	5.00	5.49	
23 Iodomethane	142	3.263	3.257	0.006	97	5548	1.00	1.01	
24 Isopropyl alcohol	45	3.294	3.294	0.000	39	2009	10.0	9.67	a
25 Carbon disulfide	76	3.294	3.294	0.000	98	12183	1.00	1.05	
26 3-Chloro-1-propene	76	3.440	3.440	0.000	94	2429	1.00	1.10	
27 Methyl acetate	43	3.458	3.458	0.000	87	5760	2.00	2.17	
28 Cyclopentene	67	3.464	3.458	0.006	91	8406	1.00	1.04	
29 Acetonitrile	41	3.513	3.513	0.000	97	3117	10.0	9.37	
* 30 TBA-d9 (IS)	65	3.568	3.568	0.000	34	327954	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
31 Methylene Chloride	84	3.574	3.574	0.000	30	3874	1.00	1.06	
32 2-Methyl-2-propanol	59	3.635	3.641	-0.006	96	3411	10.0	10.0	
33 Methyl tert-butyl ether	73	3.739	3.739	0.000	97	10295	1.00	1.03	
34 trans-1,2-Dichloroethene	96	3.769	3.763	0.006	94	3827	1.00	1.08	
35 Acrylonitrile	53	3.842	3.842	0.000	97	13749	10.0	10.2	
36 Hexane	43	3.921	3.922	-0.001	93	2655	1.00	1.00	
37 Isopropyl ether	45	4.123	4.117	0.006	96	10183	1.00	1.01	
38 1,1-Dichloroethane	63	4.153	4.153	0.000	99	6513	1.00	1.07	
39 Vinyl acetate	86	4.171	4.165	0.006	99	1181	2.00	1.80	
40 2-Chloro-1,3-butadiene	88	4.196	4.196	0.000	88	2893	1.00	0.9750	
41 Tert-butyl ethyl ether	59	4.415	4.409	0.006	88	10446	1.00	1.01	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	87	338883	250.0	250.0	
43 2,2-Dichloropropane	97	4.598	4.604	-0.006	72	1096	1.00	1.05	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	96	3772	1.00	0.9898	
46 Ethyl acetate	70	4.641	4.635	0.006	95	591	2.00	1.66	
45 2-Butanone (MEK)	72	4.641	4.635	0.006	98	2246	5.00	5.56	
47 Methyl acrylate	55	4.683	4.684	-0.001	98	2921	1.00	1.02	
48 Propionitrile	54	4.757	4.751	0.006	97	5081	10.0	10.2	
49 Tetrahydrofuran	72	4.818	4.818	0.000	65	914	2.00	2.08	
50 Chlorobromomethane	128	4.824	4.818	0.006	84	1879	1.00	0.99	
51 Methacrylonitrile	67	4.842	4.842	0.000	90	14230	10.0	10.3	
52 Chloroform	83	4.860	4.860	0.000	94	6142	1.00	1.08	
53 Cyclohexane	56	4.976	4.970	0.006	31	5299	1.00	0.9450	
54 1,1,1-Trichloroethane	97	4.982	4.982	0.000	36	4708	1.00	1.01	
\$ 55 Dibromofluoromethane (Surr)	113	4.988	4.988	0.000	99	162071	50.0	50.4	
56 Carbon tetrachloride	117	5.080	5.080	0.000	97	3730	1.00	1.00	
57 1,1-Dichloropropene	75	5.104	5.104	0.000	98	4808	1.00	1.07	
58 Isobutyl alcohol	43	5.183	5.184	-0.001	90	3088	25.0	24.3	
59 Isooctane	57	5.238	5.232	0.006	95	8845	1.00	0.8064	
60 Benzene	78	5.263	5.269	-0.006	95	13657	1.00	1.11	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	86	181245	50.0	50.1	
62 Isopropyl acetate	61	5.281	5.287	-0.006	66	4188	1.00	2.91	a
63 Tert-amyl methyl ether	87	5.305	5.299	0.006	95	3275	1.00	1.02	
64 1,2-Dichloroethane	62	5.336	5.336	0.000	94	4587	1.00	1.10	
65 n-Heptane	71	5.366	5.366	0.000	91	2138	1.00	0.6175	
* 66 Fluorobenzene	96	5.488	5.488	0.000	99	609842	50.0	50.0	
67 n-Butanol	56	5.702	5.696	0.006	81	1862	25.0	22.2	
68 Trichloroethene	95	5.775	5.769	0.006	96	3653	1.00	1.07	
69 Ethyl acrylate	55	5.854	5.879	-0.025	1	3207	1.00	0.5061	a
70 Methylcyclohexane	83	5.878	5.879	-0.001	94	4929	1.00	0.8950	
71 1,2-Dichloropropane	63	6.013	6.019	-0.007	73	3181	1.00	1.02	
72 Methyl methacrylate	100	6.061	6.055	0.006	48	1297	2.00	1.72	
* 73 1,4-Dioxane-d8	96	6.049	6.055	-0.006	42	30470	1000.0	1000.0	
74 n-Propyl acetate	43	6.098	6.098	0.000	97	3654	1.00	0.99	
75 1,4-Dioxane	88	6.098	6.104	-0.006	36	1285	50.0	41.6	
76 Dibromomethane	93	6.128	6.135	-0.007	91	2041	1.00	1.01	
77 Dichlorobromomethane	83	6.256	6.250	0.006	98	3885	1.00	0.9870	
78 2-Chloroethyl vinyl ether	63	6.525	6.531	-0.006	81	1367	1.00	0.8268	
79 2-Nitropropane	41	6.537	6.543	-0.006	78	1285	2.00	2.69	
80 Epichlorohydrin	57	6.628	6.628	0.000	98	5197	20.0	18.6	
81 cis-1,3-Dichloropropene	75	6.677	6.677	0.000	88	4713	1.00	1.04	
82 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	95	11623	5.00	4.65	

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	6.866	6.866	0.000	99	534207	50.0	50.9	
84 Toluene	91	6.921	6.927	-0.006	95	12423	1.00	1.08	
85 Ethyl methacrylate	69	7.153	7.147	0.006	70	2699	1.00	0.8149	
86 trans-1,3-Dichloropropene	75	7.146	7.153	-0.007	95	3643	1.00	0.9589	
87 1,1,2-Trichloroethane	83	7.299	7.293	0.006	94	1958	1.00	1.00	
88 Tetrachloroethene	166	7.335	7.336	-0.001	96	3326	1.00	1.10	
89 1,3-Dichloropropane	76	7.427	7.427	0.000	88	4136	1.00	1.05	
90 2-Hexanone	43	7.445	7.445	0.000	94	6266	5.00	4.28	
91 n-Butyl acetate	73	7.500	7.494	0.006	90	549	1.00	0.8276	
92 Chlorodibromomethane	129	7.567	7.573	-0.006	95	2264	1.00	0.9501	
93 Ethylene Dibromide	107	7.671	7.671	0.000	97	2410	1.00	1.01	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	85	371306	50.0	50.0	
95 Chlorobenzene	112	7.976	7.976	0.000	95	7447	1.00	1.04	
96 Ethylbenzene	106	8.012	8.012	0.000	97	4055	1.00	1.05	
97 1,1,1,2-Tetrachloroethane	131	8.030	8.024	0.006	92	2938	1.00	1.08	
98 m-Xylene & p-Xylene	106	8.091	8.092	-0.001	98	5025	1.00	1.05	
99 n-Butyl acrylate	73	8.293	8.299	-0.006	96	1950	1.00	1.10	
100 o-Xylene	106	8.341	8.341	0.000	94	5412	1.00	1.09	
101 Styrene	104	8.360	8.360	0.000	96	7844	1.00	1.06	
102 Amyl acetate (mixed isomers)	43	8.427	8.427	0.000	93	4205	1.00	0.9426	
103 Bromoform	173	8.500	8.500	0.000	90	1256	1.00	0.7886	
104 Isopropylbenzene	105	8.549	8.549	0.000	94	13431	1.00	1.08	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	95	167994	50.0	50.6	
106 1,1,2,2-Tetrachloroethane	83	8.762	8.762	0.000	95	3285	1.00	0.9775	
107 Bromobenzene	156	8.768	8.768	0.000	97	3817	1.00	1.11	
108 N-Propylbenzene	91	8.780	8.786	-0.006	99	15806	1.00	1.11	
109 trans-1,4-Dichloro-2-butene	53	8.799	8.799	0.000	71	906	1.00	1.01	
110 1,2,3-Trichloropropane	110	8.799	8.799	0.000	91	1085	1.00	1.08	
111 4-Ethyltoluene	105	8.847	8.847	0.000	98	12459	1.00	1.05	
112 2-Chlorotoluene	91	8.860	8.860	0.000	95	11956	1.00	1.03	
113 1,3,5-Trimethylbenzene	105	8.878	8.878	0.000	92	11010	1.00	0.9856	
114 Butyl Methacrylate	87	8.908	8.908	0.000	90	3213	1.00	0.8643	
115 4-Chlorotoluene	91	8.920	8.921	-0.001	96	9360	1.00	1.04	
116 tert-Butylbenzene	119	9.061	9.061	0.000	96	10180	1.00	1.05	
117 1,2,4-Trimethylbenzene	105	9.091	9.091	0.000	95	11906	1.00	1.04	
118 sec-Butylbenzene	105	9.183	9.183	0.000	99	14034	1.00	1.03	
119 4-Isopropyltoluene	119	9.256	9.256	0.000	97	11895	1.00	1.01	
120 1,3-Dichlorobenzene	146	9.286	9.286	0.000	95	6879	1.00	1.06	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	95	215925	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.341	9.341	0.000	73	7081	1.00	1.09	
123 1,2,3-Trimethylbenzene	105	9.341	9.341	0.000	97	12821	1.00	1.06	
124 Benzyl chloride	91	9.426	9.427	-0.001	98	5945	1.00	0.9167	
125 2,3-Dihydroindene	117	9.475	9.475	0.000	92	13698	1.00	1.10	
126 p-Diethylbenzene	119	9.481	9.481	0.000	94	7226	1.00	1.04	
127 n-Butylbenzene	92	9.500	9.500	0.000	98	6632	1.00	1.02	
128 1,2-Dichlorobenzene	146	9.573	9.573	0.000	96	7395	1.00	1.08	
129 1,2,4,5-Tetramethylbenzene	119	9.987	9.987	0.000	97	12332	1.00	1.03	
130 1,2-Dibromo-3-Chloropropane	75	10.091	10.097	-0.006	81	1073	1.00	1.35	
131 1,3,5-Trichlorobenzene	180	10.195	10.195	0.000	96	5889	1.00	1.03	
132 1,2,4-Trichlorobenzene	180	10.701	10.701	0.000	92	5981	1.00	1.06	
133 Hexachlorobutadiene	225	10.774	10.774	0.000	90	3263	1.00	1.14	
134 Naphthalene	128	10.938	10.939	-0.001	99	12928	1.00	1.01	

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	11.158	11.158	0.000	93	5329	1.00	1.03	
S 136 1,2-Dichloroethene, Total	100				0		2.00	2.07	
S 137 Xylenes, Total	100				0		2.00	2.14	
S 138 Total BTEX	1				0		5.00	5.38	
S 139 1,3-Dichloropropene, Total	100				0		2.00	2.00	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ACROLEIN W_00121	Amount Added: 4.00	Units: uL	
GASES Li_00413	Amount Added: 10.00	Units: uL	
8260MIX1COMB_00134	Amount Added: 10.00	Units: uL	
524freon_00034	Amount Added: 10.00	Units: uL	
14DIOXINTER_00127	Amount Added: 30.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01245.D

Injection Date: 30-Mar-2021 03:05:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: STD1

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

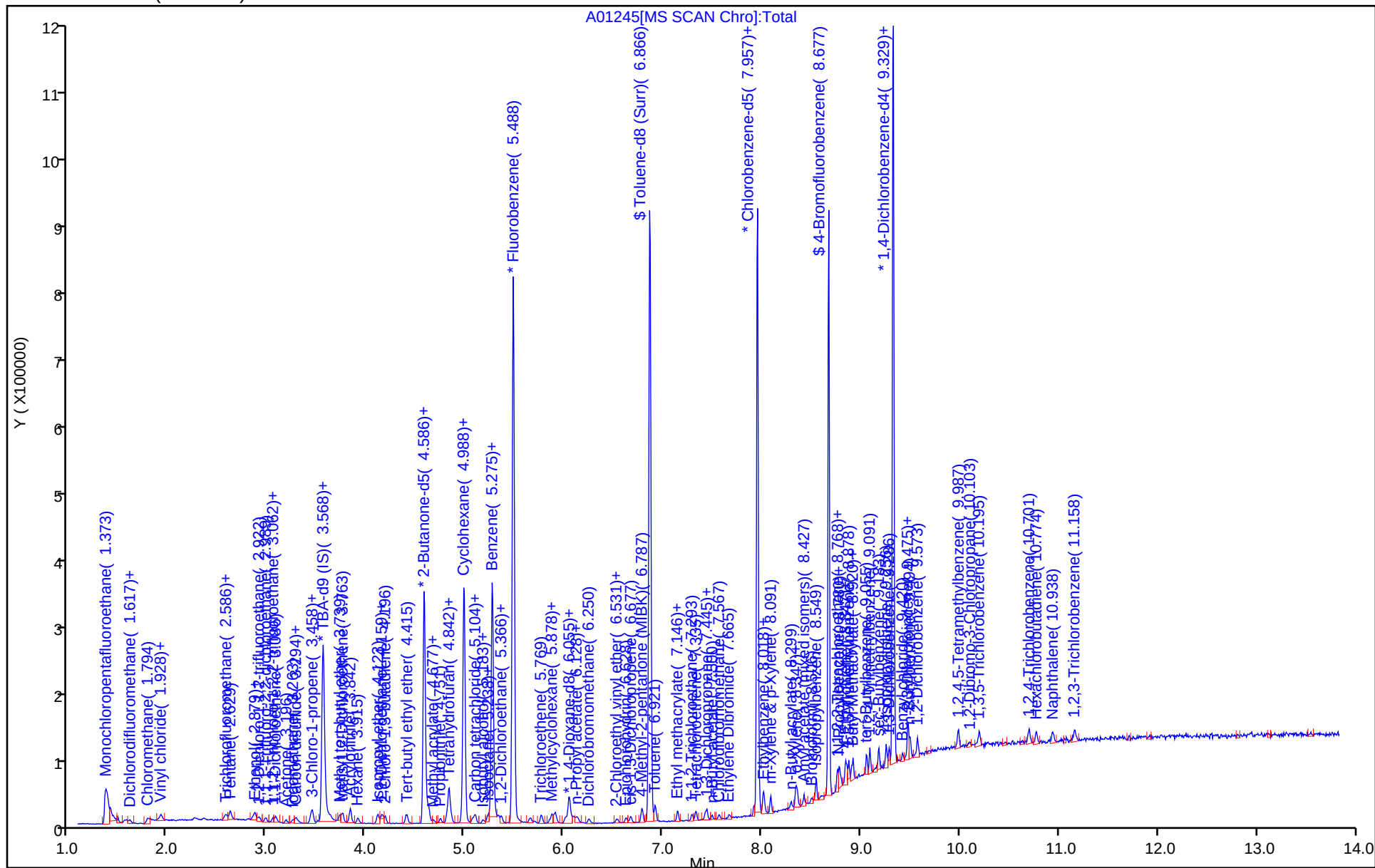
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01246.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 30-Mar-2021 03:32:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD5
 Misc. Info.: 460-0126200-005
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 30-Mar-2021 18:14:12 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1681

First Level Reviewer: boykink

Date: 30-Mar-2021 03:59:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.440	1.434	0.006	49	1505	5.00	4.59	
2 Chlorotrifluoroethene	116	1.556	1.556	0.000	86	7320	5.00	5.64	
3 1,1-Difluoroethane	51	1.568	1.568	0.000	97	13088	5.00	5.54	
4 Dichlorodifluoromethane	85	1.593	1.587	0.006	98	21087	5.00	5.60	
5 Chlorodifluoromethane	51	1.617	1.617	0.000	97	19034	5.00	5.34	
6 Chloromethane	50	1.800	1.800	0.000	98	24155	5.00	5.53	
7 Vinyl chloride	62	1.910	1.904	0.006	98	21463	5.00	5.52	
8 Butadiene	39	1.928	1.928	0.000	96	15342	5.00	5.16	
9 Bromomethane	94	2.275	2.269	0.006	98	13438	5.00	5.15	
10 Chloroethane	64	2.361	2.361	0.000	99	11983	5.00	5.77	
12 Trichlorofluoromethane	101	2.586	2.580	0.006	63	19629	5.00	5.24	
11 Dichlorofluoromethane	67	2.586	2.580	0.006	97	26956	5.00	5.54	
13 Pentane	72	2.635	2.629	0.006	96	5128	10.0	11.8	
14 Ethanol	46	2.867	2.812	0.055	71	3352	200.0	221.1	M
15 Ethyl ether	59	2.861	2.861	0.000	94	13885	5.00	5.63	
16 2-Methyl-1,3-butadiene	53	2.885	2.879	0.006	94	14897	5.00	5.95	
17 1,2-Dichloro-1,1,2-trifluoroethane	117	2.922	2.922	0.000	80	12122	5.00	5.45	
18 1,1,1-Trifluoro-2,2-dichloroethane	83	2.983	2.989	-0.006	96	20050	5.00	5.41	
19 Acrolein	56	3.056	3.056	0.000	75	5902	20.0	20.0	
20 112TCTFE	101	3.062	3.062	0.000	98	13452	5.00	5.57	
21 1,1-Dichloroethene	96	3.092	3.092	0.000	96	14045	5.00	5.41	
22 Acetone	58	3.196	3.196	0.000	86	7534	25.0	24.3	
23 Iodomethane	142	3.257	3.257	0.000	98	24886	5.00	5.34	
24 Isopropyl alcohol	45	3.294	3.294	0.000	36	9929	50.0	55.1	
25 Carbon disulfide	76	3.294	3.294	0.000	99	53331	5.00	5.43	
26 3-Chloro-1-propene	76	3.440	3.440	0.000	93	9603	5.00	5.12	
27 Methyl acetate	43	3.458	3.458	0.000	82	26535	10.0	11.8	
28 Cyclopentene	67	3.458	3.458	0.000	89	38862	5.00	5.66	
29 Acetonitrile	41	3.513	3.513	0.000	99	12422	50.0	43.0	
* 30 TBA-d9 (IS)	65	3.568	3.568	0.000	83	284511	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
31 Methylene Chloride	84	3.574	3.574	0.000	91	16826	5.00	5.42	
32 2-Methyl-2-propanol	59	3.641	3.641	0.000	99	16014	50.0	54.1	
33 Methyl tert-butyl ether	73	3.739	3.739	0.000	97	47077	5.00	5.52	
34 trans-1,2-Dichloroethene	96	3.763	3.763	0.000	94	16326	5.00	5.41	
35 Acrylonitrile	53	3.842	3.842	0.000	96	67720	50.0	59.0	
36 Hexane	43	3.921	3.922	-0.001	93	13019	5.00	5.76	
37 Isopropyl ether	45	4.123	4.117	0.006	97	47049	5.00	5.47	
38 1,1-Dichloroethane	63	4.153	4.153	0.000	99	28772	5.00	5.59	
39 Vinyl acetate	86	4.165	4.165	0.000	100	4553	10.0	7.99	
40 2-Chloro-1,3-butadiene	88	4.196	4.196	0.000	90	13667	5.00	5.42	
41 Tert-butyl ethyl ether	59	4.409	4.409	0.000	89	48103	5.00	5.50	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	88	297178	250.0	250.0	
43 2,2-Dichloropropane	97	4.604	4.604	0.000	94	4665	5.00	5.25	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	98	18488	5.00	5.71	
46 Ethyl acetate	70	4.641	4.635	0.006	95	3280	10.0	10.5	
45 2-Butanone (MEK)	72	4.635	4.635	0.000	97	8963	25.0	25.3	
47 Methyl acrylate	55	4.684	4.684	0.000	99	12608	5.00	5.19	
48 Propionitrile	54	4.751	4.751	0.000	99	23596	50.0	54.6	
49 Tetrahydrofuran	72	4.818	4.818	0.000	66	3834	10.0	9.93	
50 Chlorobromomethane	128	4.818	4.818	0.000	82	8725	5.00	5.41	
51 Methacrylonitrile	67	4.842	4.842	0.000	91	64930	50.0	55.2	
52 Chloroform	83	4.860	4.860	0.000	98	27309	5.00	5.64	
53 Cyclohexane	56	4.970	4.970	0.000	92	27389	5.00	5.75	
54 1,1,1-Trichloroethane	97	4.982	4.982	0.000	57	21412	5.00	5.39	
\$ 55 Dibromofluoromethane (Surr)	113	4.988	4.988	0.000	98	141776	50.0	51.9	
56 Carbon tetrachloride	117	5.080	5.080	0.000	97	16561	5.00	5.21	
57 1,1-Dichloropropene	75	5.104	5.104	0.000	97	20672	5.00	5.40	
58 Isobutyl alcohol	43	5.183	5.184	-0.001	92	12842	125.0	116.3	
59 Isooctane	57	5.232	5.232	0.000	98	52288	5.00	5.61	
60 Benzene	78	5.269	5.269	0.000	94	61056	5.00	6.03	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	85	159266	50.0	51.8	
62 Isopropyl acetate	61	5.281	5.287	-0.006	98	7836	5.00	6.41	
63 Tert-amyl methyl ether	87	5.305	5.299	0.006	97	13920	5.00	5.11	
64 1,2-Dichloroethane	62	5.336	5.336	0.000	95	19501	5.00	5.49	
65 n-Heptane	71	5.366	5.366	0.000	94	18196	5.00	6.20	
* 66 Fluorobenzene	96	5.488	5.488	0.000	98	518071	50.0	50.0	
67 n-Butanol	56	5.702	5.696	0.006	87	7678	125.0	105.5	
68 Trichloroethene	95	5.769	5.769	0.000	98	15229	5.00	5.27	
69 Ethyl acrylate	55	5.885	5.879	0.005	86	39596	5.00	7.37	
70 Methylcyclohexane	83	5.878	5.879	-0.001	94	26054	5.00	5.57	
71 1,2-Dichloropropane	63	6.019	6.019	0.000	92	13869	5.00	5.22	
72 Methyl methacrylate	100	6.055	6.055	0.000	84	5546	10.0	8.67	
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	88	23144	1000.0	1000.0	
74 n-Propyl acetate	43	6.098	6.098	0.000	98	13724	5.00	4.38	M
75 1,4-Dioxane	88	6.098	6.104	-0.006	27	2884	100.0	123.0	
76 Dibromomethane	93	6.128	6.135	-0.007	94	9142	5.00	5.31	
77 Dichlorobromomethane	83	6.250	6.250	0.000	99	17005	5.00	5.09	
78 2-Chloroethyl vinyl ether	63	6.531	6.531	0.000	93	6446	5.01	4.59	
79 2-Nitropropane	41	6.543	6.543	0.000	74	3807	10.0	9.38	
80 Epichlorohydrin	57	6.628	6.628	0.000	98	24644	100.0	100.4	
81 cis-1,3-Dichloropropene	75	6.677	6.677	0.000	91	19640	5.00	5.26	
82 4-Methyl-2-pentanone (MIBK)	43	6.793	6.787	0.006	96	52918	25.0	24.1	

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	6.866	6.866	0.000	99	443462	50.0	51.5	
84 Toluene	91	6.927	6.927	0.000	93	54139	5.00	5.75	
85 Ethyl methacrylate	69	7.146	7.147	-0.001	76	12300	5.00	4.37	
86 trans-1,3-Dichloropropene	75	7.153	7.153	0.000	95	16248	5.00	5.21	
87 1,1,2-Trichloroethane	83	7.293	7.293	0.000	96	8727	5.00	5.41	
88 Tetrachloroethene	166	7.335	7.336	-0.001	95	13478	5.00	5.41	
89 1,3-Dichloropropane	76	7.427	7.427	0.000	92	17373	5.00	5.35	
90 2-Hexanone	43	7.445	7.445	0.000	95	28698	25.0	22.4	
91 n-Butyl acetate	73	7.494	7.494	0.000	97	3089	5.00	5.67	
92 Chlorodibromomethane	129	7.567	7.573	-0.006	97	9642	5.00	4.93	
93 Ethylene Dibromide	107	7.671	7.671	0.000	100	10053	5.00	5.12	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	86	305056	50.0	50.0	
95 Chlorobenzene	112	7.976	7.976	0.000	95	31802	5.00	5.42	
96 Ethylbenzene	106	8.012	8.012	0.000	98	16877	5.00	5.33	
97 1,1,1,2-Tetrachloroethane	131	8.024	8.024	0.000	95	11417	5.00	5.09	
98 m-Xylene & p-Xylene	106	8.091	8.092	-0.001	99	20329	5.00	5.16	
99 n-Butyl acrylate	73	8.293	8.299	-0.006	97	7103	5.00	4.86	
100 o-Xylene	106	8.341	8.341	0.000	94	22156	5.00	5.42	
101 Styrene	104	8.360	8.360	0.000	94	31113	5.00	5.10	
102 Amyl acetate (mixed isomers)	43	8.427	8.427	0.000	92	18018	5.00	4.99	
103 Bromoform	173	8.500	8.500	0.000	97	6631	5.00	5.07	
104 Isopropylbenzene	105	8.549	8.549	0.000	96	59538	5.00	5.83	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	93	131873	50.0	48.4	
106 1,1,2,2-Tetrachloroethane	83	8.762	8.762	0.000	97	14779	5.00	5.43	
107 Bromobenzene	156	8.768	8.768	0.000	98	13919	5.00	5.01	
108 N-Propylbenzene	91	8.780	8.786	-0.006	99	65126	5.00	5.63	
109 trans-1,4-Dichloro-2-butene	53	8.799	8.799	0.000	73	3941	5.00	5.43	
110 1,2,3-Trichloropropane	110	8.799	8.799	0.000	94	4082	5.00	5.01	
111 4-Ethyltoluene	105	8.847	8.847	0.000	98	52171	5.00	5.41	
112 2-Chlorotoluene	91	8.860	8.860	0.000	96	51531	5.00	5.49	
113 1,3,5-Trimethylbenzene	105	8.878	8.878	0.000	93	50379	5.00	5.57	
114 Butyl Methacrylate	87	8.908	8.908	0.000	89	13764	5.00	4.57	
115 4-Chlorotoluene	91	8.920	8.921	-0.001	98	40997	5.00	5.61	
116 tert-Butylbenzene	119	9.061	9.061	0.000	95	40727	5.00	5.20	
117 1,2,4-Trimethylbenzene	105	9.091	9.091	0.000	97	50334	5.00	5.42	
118 sec-Butylbenzene	105	9.183	9.183	0.000	99	60421	5.00	5.46	
119 4-Isopropyltoluene	119	9.256	9.256	0.000	98	51589	5.00	5.38	
120 1,3-Dichlorobenzene	146	9.286	9.286	0.000	95	27767	5.00	5.30	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	96	174836	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.341	9.341	0.000	75	29252	5.00	5.57	
123 1,2,3-Trimethylbenzene	105	9.341	9.341	0.000	97	53800	5.00	5.47	
124 Benzyl chloride	91	9.420	9.427	-0.007	98	25425	5.00	4.84	
125 2,3-Dihydroindene	117	9.475	9.475	0.000	92	56258	5.00	5.57	
126 p-Diethylbenzene	119	9.481	9.481	0.000	94	30655	5.00	5.44	
127 n-Butylbenzene	92	9.500	9.500	0.000	98	28748	5.00	5.47	
128 1,2-Dichlorobenzene	146	9.573	9.573	0.000	96	30191	5.00	5.46	
129 1,2,4,5-Tetramethylbenzene	119	9.981	9.987	-0.006	98	51019	5.00	5.26	
130 1,2-Dibromo-3-Chloropropane	75	10.097	10.097	0.000	96	3247	5.00	5.05	
131 1,3,5-Trichlorobenzene	180	10.195	10.195	0.000	97	24429	5.00	5.29	
132 1,2,4-Trichlorobenzene	180	10.701	10.701	0.000	94	23529	5.00	5.14	
133 Hexachlorobutadiene	225	10.774	10.774	0.000	97	10716	5.00	4.64	
134 Naphthalene	128	10.938	10.939	-0.001	99	52419	5.00	5.04	

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	11.158	11.158	0.000	95	21091	5.00	5.05	
S 136 1,2-Dichloroethene, Total	100				0		10.0	11.1	
S 137 Xylenes, Total	100				0		10.0	10.6	
S 138 Total BTEX	1				0		25.0	27.7	
S 139 1,3-Dichloropropene, Total	100				0		10.0	10.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00121	Amount Added: 4.00	Units: uL	
GASES Li_00413	Amount Added: 10.00	Units: uL	
8260MIX1COMB_00134	Amount Added: 10.00	Units: uL	
524freon_00034	Amount Added: 10.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Operator ID: VOA GC/MS1

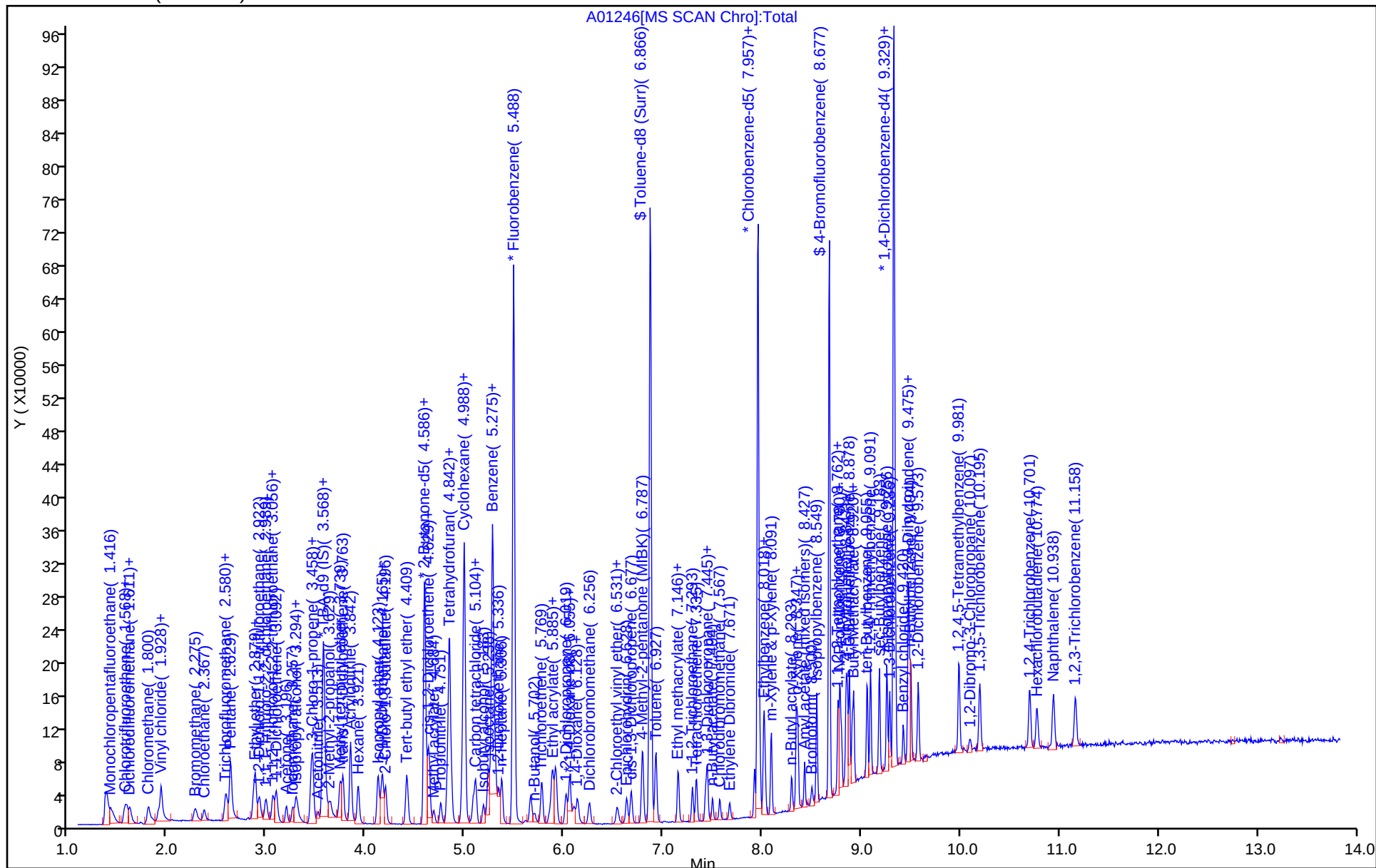
Worklist Smp#: 5

Client ID:

ALS Bottle#: 4

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01247.D
 Lims ID: STD20
 Client ID:
 Sample Type: ICIS Calib Level: 3
 Inject. Date: 30-Mar-2021 03:59:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD20
 Misc. Info.: 460-0126200-006
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 30-Mar-2021 18:14:30 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1681

First Level Reviewer: boykink

Date: 30-Mar-2021 04:22:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.428	1.428	0.000	92	6878	20.0	19.8	
2 Chlorotrifluoroethene	116	1.550	1.550	0.000	86	29012	20.0	21.1	
3 1,1-Difluoroethane	51	1.568	1.568	0.000	94	51711	20.0	20.6	
4 Dichlorodifluoromethane	85	1.587	1.587	0.000	98	89977	20.0	22.5	
5 Chlorodifluoromethane	51	1.611	1.611	0.000	98	75720	20.0	20.0	
6 Chloromethane	50	1.800	1.800	0.000	99	97893	20.0	21.1	
7 Vinyl chloride	62	1.904	1.904	0.000	97	88974	20.0	21.6	
8 Butadiene	39	1.928	1.928	0.000	95	71846	20.0	22.8	
9 Bromomethane	94	2.269	2.269	0.000	99	56337	20.0	20.6	
10 Chloroethane	64	2.361	2.361	0.000	99	47958	20.0	21.8	
12 Trichlorofluoromethane	101	2.580	2.580	0.000	61	87148	20.0	21.9	
11 Dichlorofluoromethane	67	2.580	2.580	0.000	98	108959	20.0	21.1	
13 Pentane	72	2.629	2.629	0.000	96	20848	40.0	45.6	
14 Ethanol	46	2.867	2.867	0.000	68	11101	800.0	697.0	
15 Ethyl ether	59	2.861	2.861	0.000	95	54154	20.0	20.7	
16 2-Methyl-1,3-butadiene	53	2.879	2.879	0.000	94	55493	20.0	20.9	
17 1,2-Dichloro-1,1,2-trifluoroethane	117	2.922	2.922	0.000	93	47375	20.0	20.1	
18 1,1,1-Trifluoro-2,2-dichloroethane	83	2.989	2.989	0.000	96	79897	20.0	20.3	
19 Acrolein	56	3.056	3.056	0.000	48	12630	40.0	40.7	
20 112TCTFE	101	3.056	3.056	0.000	98	55203	20.0	21.5	
21 1,1-Dichloroethene	96	3.092	3.092	0.000	98	56535	20.0	20.5	
22 Acetone	58	3.190	3.190	0.000	89	29887	100.0	97.8	
23 Iodomethane	142	3.257	3.257	0.000	97	106173	20.0	21.4	
24 Isopropyl alcohol	45	3.294	3.294	0.000	32	37846	200.0	199.8	
25 Carbon disulfide	76	3.294	3.294	0.000	99	222641	20.0	21.4	
26 3-Chloro-1-propene	76	3.440	3.440	0.000	94	40845	20.0	20.5	
27 Methyl acetate	43	3.458	3.458	0.000	80	95957	40.0	40.1	
28 Cyclopentene	67	3.458	3.458	0.000	91	155817	20.0	21.4	
29 Acetonitrile	41	3.513	3.513	0.000	99	55198	200.0	182.0	
* 30 TBA-d9 (IS)	65	3.568	3.568	0.000	85	298953	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
31 Methylene Chloride	84	3.574	3.574	0.000	90	69420	20.0	21.1	
32 2-Methyl-2-propanol	59	3.641	3.641	0.000	98	56510	200.0	181.8	
33 Methyl tert-butyl ether	73	3.739	3.739	0.000	97	188538	20.0	20.8	
34 trans-1,2-Dichloroethene	96	3.763	3.763	0.000	94	68414	20.0	21.3	
35 Acrylonitrile	53	3.842	3.842	0.000	95	261239	200.0	214.6	
36 Hexane	43	3.922	3.922	0.000	91	47607	20.0	19.8	
37 Isopropyl ether	45	4.117	4.117	0.000	98	191538	20.0	21.0	
38 1,1-Dichloroethane	63	4.153	4.153	0.000	99	114078	20.0	20.9	
39 Vinyl acetate	86	4.171	4.171	0.000	99	25267	40.0	42.2	
40 2-Chloro-1,3-butadiene	88	4.196	4.196	0.000	90	55786	20.0	20.9	
41 Tert-butyl ethyl ether	59	4.409	4.409	0.000	89	192362	20.0	20.7	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	97	292961	250.0	250.0	
43 2,2-Dichloropropane	97	4.604	4.604	0.000	95	20535	20.0	21.8	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	98	73310	20.0	21.3	
46 Ethyl acetate	70	4.635	4.635	0.000	93	11666	40.0	37.9	
45 2-Butanone (MEK)	72	4.635	4.635	0.000	97	32614	100.0	93.4	
47 Methyl acrylate	55	4.684	4.684	0.000	100	45181	20.0	17.5	
48 Propionitrile	54	4.751	4.751	0.000	99	89224	200.0	196.5	
49 Tetrahydrofuran	72	4.818	4.818	0.000	69	15673	40.0	41.2	
50 Chlorobromomethane	128	4.818	4.818	0.000	85	37433	20.0	21.9	
51 Methacrylonitrile	67	4.836	4.836	0.000	90	254419	200.0	203.7	
52 Chloroform	83	4.860	4.860	0.000	99	108874	20.0	21.2	
53 Cyclohexane	56	4.970	4.970	0.000	89	106771	20.0	21.1	
54 1,1,1-Trichloroethane	97	4.982	4.982	0.000	97	88175	20.0	20.9	
\$ 55 Dibromofluoromethane (Surr)	113	4.988	4.988	0.000	98	155533	50.0	53.6	
56 Carbon tetrachloride	117	5.080	5.080	0.000	98	68554	20.0	20.3	
57 1,1-Dichloropropene	75	5.104	5.104	0.000	98	81478	20.0	20.0	
58 Isobutyl alcohol	43	5.183	5.183	0.000	93	45413	500.0	391.4	
59 Isooctane	57	5.232	5.232	0.000	98	223554	20.0	22.6	
60 Benzene	78	5.269	5.269	0.000	94	244339	20.0	23.1	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	88	162350	50.0	49.7	
62 Isopropyl acetate	61	5.287	5.287	0.000	97	22851	20.0	17.6	
63 Tert-amyl methyl ether	87	5.299	5.299	0.000	99	57803	20.0	20.0	
64 1,2-Dichloroethane	62	5.336	5.336	0.000	97	73463	20.0	19.5	
65 n-Heptane	71	5.372	5.372	0.000	91	59408	20.0	19.1	
* 66 Fluorobenzene	96	5.488	5.488	0.000	99	549895	50.0	50.0	
67 n-Butanol	56	5.696	5.696	0.000	88	32867	500.0	430.0	
68 Trichloroethene	95	5.769	5.769	0.000	97	59115	20.0	19.3	
69 Ethyl acrylate	55	5.878	5.878	0.000	96	154740	20.0	27.2	
70 Methylcyclohexane	83	5.878	5.878	0.000	94	107133	20.0	21.6	
71 1,2-Dichloropropane	63	6.019	6.019	0.000	93	52318	20.0	18.6	
72 Methyl methacrylate	100	6.055	6.055	0.000	86	22156	40.0	32.6	
* 73 1,4-Dioxane-d8	96	6.061	6.061	0.000	94	24698	1000.0	1000.0	
74 n-Propyl acetate	43	6.098	6.098	0.000	96	50662	20.0	15.2	M
75 1,4-Dioxane	88	6.104	6.104	0.000	27	11106	400.0	443.9	
76 Dibromomethane	93	6.134	6.134	0.000	93	35366	20.0	19.4	
77 Dichlorobromomethane	83	6.250	6.250	0.000	99	65359	20.0	18.4	
78 2-Chloroethyl vinyl ether	63	6.531	6.531	0.000	93	23824	20.0	16.0	
79 2-Nitropropane	41	6.543	6.543	0.000	83	11051	40.0	25.5	
80 Epichlorohydrin	57	6.628	6.628	0.000	99	94079	400.0	388.9	
81 cis-1,3-Dichloropropene	75	6.677	6.677	0.000	90	75945	20.0	19.5	
82 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	95	213872	100.0	98.9	

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	6.866	6.866	0.000	99	462133	50.0	51.3	
84 Toluene	91	6.927	6.927	0.000	93	206760	20.0	21.0	
85 Ethyl methacrylate	69	7.146	7.146	0.000	75	49361	20.0	16.5	
86 trans-1,3-Dichloropropene	75	7.146	7.146	0.000	95	61820	20.0	18.9	
87 1,1,2-Trichloroethane	83	7.293	7.293	0.000	96	32359	20.0	19.2	
88 Tetrachloroethene	166	7.335	7.335	0.000	97	53597	20.0	20.6	
89 1,3-Dichloropropane	76	7.427	7.427	0.000	94	63956	20.0	18.8	
90 2-Hexanone	43	7.445	7.445	0.000	95	108549	100.0	85.8	
91 n-Butyl acetate	73	7.500	7.500	0.000	96	10757	20.0	18.9	
92 Chlorodibromomethane	129	7.573	7.573	0.000	98	39597	20.0	19.3	
93 Ethylene Dibromide	107	7.671	7.671	0.000	99	39432	20.0	19.2	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	85	318900	50.0	50.0	
95 Chlorobenzene	112	7.976	7.976	0.000	95	126106	20.0	20.6	
96 Ethylbenzene	106	8.012	8.012	0.000	98	68704	20.0	20.8	
97 1,1,1,2-Tetrachloroethane	131	8.030	8.030	0.000	94	51563	20.0	22.0	
98 m-Xylene & p-Xylene	106	8.091	8.091	0.000	98	84937	20.0	20.6	
99 n-Butyl acrylate	73	8.299	8.299	0.000	98	27561	20.0	18.0	
100 o-Xylene	106	8.341	8.341	0.000	94	93141	20.0	21.8	
101 Styrene	104	8.360	8.360	0.000	95	132386	20.0	20.8	
102 Amyl acetate (mixed isomers)	43	8.427	8.427	0.000	92	71657	20.0	18.6	
103 Bromoform	173	8.500	8.500	0.000	98	26642	20.0	19.5	
104 Isopropylbenzene	105	8.549	8.549	0.000	95	246582	20.0	23.1	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	94	142587	50.0	50.1	
106 1,1,2,2-Tetrachloroethane	83	8.762	8.762	0.000	99	59981	20.0	20.6	
107 Bromobenzene	156	8.768	8.768	0.000	97	58614	20.0	19.8	
108 N-Propylbenzene	91	8.786	8.786	0.000	99	266200	20.0	21.5	
109 trans-1,4-Dichloro-2-butene	53	8.799	8.799	0.000	75	14007	20.0	18.0	
110 1,2,3-Trichloropropane	110	8.799	8.799	0.000	90	17434	20.0	20.0	
111 4-Ethyltoluene	105	8.847	8.847	0.000	99	221423	20.0	21.5	
112 2-Chlorotoluene	91	8.860	8.860	0.000	96	209489	20.0	20.9	
113 1,3,5-Trimethylbenzene	105	8.878	8.878	0.000	93	207786	20.0	21.5	
114 Butyl Methacrylate	87	8.908	8.908	0.000	88	64321	20.0	20.0	
115 4-Chlorotoluene	91	8.921	8.921	0.000	98	156636	20.0	20.0	
116 tert-Butylbenzene	119	9.061	9.061	0.000	95	170883	20.0	20.4	
117 1,2,4-Trimethylbenzene	105	9.091	9.091	0.000	97	212212	20.0	21.4	
118 sec-Butylbenzene	105	9.183	9.183	0.000	99	262007	20.0	22.1	
119 4-Isopropyltoluene	119	9.256	9.256	0.000	98	224186	20.0	21.9	
120 1,3-Dichlorobenzene	146	9.286	9.286	0.000	98	115993	20.0	20.7	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	94	186903	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.341	9.341	0.000	93	116000	20.0	20.7	
123 1,2,3-Trimethylbenzene	105	9.341	9.341	0.000	98	229194	20.0	21.8	
124 Benzyl chloride	91	9.420	9.420	0.000	99	117148	20.0	20.9	
125 2,3-Dihydroindene	117	9.475	9.475	0.000	93	237558	20.0	22.0	
126 p-Diethylbenzene	119	9.481	9.481	0.000	95	131624	20.0	21.8	
127 n-Butylbenzene	92	9.500	9.500	0.000	98	119867	20.0	21.3	
128 1,2-Dichlorobenzene	146	9.573	9.573	0.000	97	124300	20.0	21.0	
129 1,2,4,5-Tetramethylbenzene	119	9.987	9.987	0.000	98	224103	20.0	21.6	
130 1,2-Dibromo-3-Chloropropane	75	10.097	10.097	0.000	95	13317	20.0	19.4	
131 1,3,5-Trichlorobenzene	180	10.195	10.195	0.000	98	108530	20.0	22.0	
132 1,2,4-Trichlorobenzene	180	10.701	10.701	0.000	94	109542	20.0	22.4	
133 Hexachlorobutadiene	225	10.774	10.774	0.000	98	49502	20.0	20.0	
134 Naphthalene	128	10.938	10.938	0.000	99	252860	20.0	22.8	

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	11.164	11.164	0.000	95	100954	20.0	22.6	
S 136 1,2-Dichloroethene, Total	100				0		40.0	42.7	
S 137 Xylenes, Total	100				0		40.0	42.4	
S 138 Total BTEX	1				0		100.0	107.3	
S 139 1,3-Dichloropropene, Total	100				0		40.0	38.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00121	Amount Added: 4.00	Units: uL	
GASES Li_00413	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00134	Amount Added: 20.00	Units: uL	
524freon_00034	Amount Added: 20.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01247.D

Injection Date: 30-Mar-2021 03:59:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: STD20

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

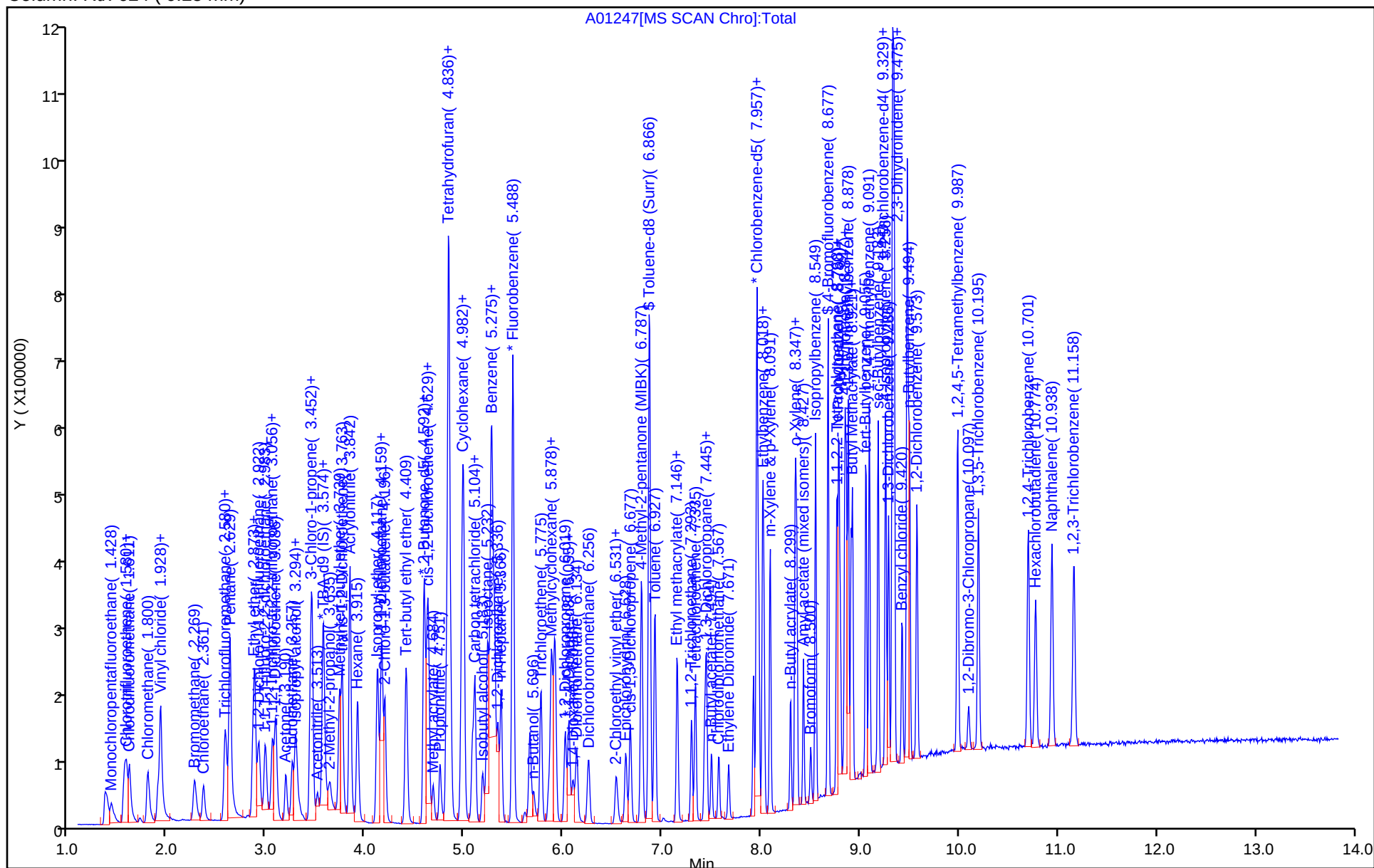
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01248.D
 Lims ID: STD50
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 30-Mar-2021 04:26:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD50
 Misc. Info.: 460-0126200-007
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 30-Mar-2021 18:14:50 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1681

First Level Reviewer: boykink

Date: 30-Mar-2021 04:49:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.434	1.434	0.000	95	17025	50.0	43.4	
2 Chlorotrifluoroethene	116	1.556	1.556	0.000	86	74400	50.0	47.9	
3 1,1-Difluoroethane	51	1.568	1.568	0.000	94	128201	50.0	45.3	
4 Dichlorodifluoromethane	85	1.587	1.587	0.000	98	223158	50.0	49.5	
5 Chlorodifluoromethane	51	1.617	1.617	0.000	97	207279	50.0	48.6	
6 Chloromethane	50	1.800	1.800	0.000	99	244438	50.0	46.7	
7 Vinyl chloride	62	1.904	1.904	0.000	98	220878	50.0	47.5	
8 Butadiene	39	1.928	1.928	0.000	95	184425	50.0	51.8	
9 Bromomethane	94	2.269	2.269	0.000	99	134093	50.0	44.5	
10 Chloroethane	64	2.361	2.361	0.000	99	115540	50.0	46.5	
12 Trichlorofluoromethane	101	2.580	2.580	0.000	61	215623	50.0	48.1	
11 Dichlorofluoromethane	67	2.580	2.580	0.000	98	277065	50.0	47.6	
13 Pentane	72	2.629	2.629	0.000	95	50507	100.0	98.2	
15 Ethyl ether	59	2.861	2.861	0.000	96	146989	50.0	49.8	
14 Ethanol	46	2.812	2.812	0.000	99	32597	2000.0	1818.5	
16 2-Methyl-1,3-butadiene	53	2.879	2.879	0.000	94	141707	50.0	47.3	
17 1,2-Dichloro-1,1,2-trifluoroethane	117	2.922	2.922	0.000	79	126757	50.0	47.6	
18 1,1,1-Trifluoro-2,2-dichloroethane	83	2.989	2.989	0.000	96	208154	50.0	46.9	
19 Acrolein	56	3.056	3.056	0.000	93	35479	100.0	101.5	
20 112TCTFE	101	3.062	3.062	0.000	99	136871	50.0	47.3	
21 1,1-Dichloroethene	96	3.092	3.092	0.000	98	150308	50.0	48.4	
22 Acetone	58	3.196	3.196	0.000	88	84720	250.0	233.5	
23 Iodomethane	142	3.257	3.257	0.000	97	275803	50.0	49.4	
24 Isopropyl alcohol	45	3.294	3.294	0.000	98	103166	500.0	483.9	
25 Carbon disulfide	76	3.294	3.294	0.000	99	565688	50.0	48.1	
26 3-Chloro-1-propene	76	3.440	3.440	0.000	95	106170	50.0	47.3	
27 Methyl acetate	43	3.458	3.458	0.000	98	257857	100.0	95.5	
28 Cyclopentene	67	3.458	3.458	0.000	90	394410	50.0	48.0	
29 Acetonitrile	41	3.513	3.513	0.000	99	187460	500.0	549.3	
* 30 TBA-d9 (IS)	65	3.568	3.568	0.000	92	336461	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
31 Methylene Chloride	84	3.574	3.574	0.000	91	180933	50.0	48.7	
32 2-Methyl-2-propanol	59	3.641	3.641	0.000	99	172425	500.0	493.0	
33 Methyl tert-butyl ether	73	3.739	3.739	0.000	97	502921	50.0	49.3	
34 trans-1,2-Dichloroethene	96	3.763	3.763	0.000	94	172656	50.0	47.8	
35 Acrylonitrile	53	3.842	3.842	0.000	95	691928	500.0	504.0	
36 Hexane	43	3.922	3.922	0.000	91	126827	50.0	46.8	
37 Isopropyl ether	45	4.117	4.117	0.000	98	511891	50.0	49.7	
38 1,1-Dichloroethane	63	4.153	4.153	0.000	99	298431	50.0	48.4	
39 Vinyl acetate	86	4.165	4.165	0.000	100	73003	100.0	108.3	
40 2-Chloro-1,3-butadiene	88	4.196	4.196	0.000	90	145375	50.0	48.2	
41 Tert-butyl ethyl ether	59	4.409	4.409	0.000	90	523638	50.0	50.0	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	92	347925	250.0	250.0	
43 2,2-Dichloropropane	97	4.604	4.604	0.000	95	51754	50.0	48.6	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	97	192717	50.0	49.7	
46 Ethyl acetate	70	4.635	4.635	0.000	94	38811	100.0	106.1	
45 2-Butanone (MEK)	72	4.635	4.635	0.000	97	104385	250.0	251.7	
47 Methyl acrylate	55	4.684	4.684	0.000	100	146712	50.0	50.4	
48 Propionitrile	54	4.751	4.751	0.000	99	257042	500.0	503.0	
49 Tetrahydrofuran	72	4.818	4.818	0.000	70	46955	100.0	103.9	
50 Chlorobromomethane	128	4.818	4.818	0.000	85	96667	50.0	50.1	
51 Methacrylonitrile	67	4.842	4.842	0.000	90	751220	500.0	533.3	
52 Chloroform	83	4.860	4.860	0.000	99	285696	50.0	49.3	
53 Cyclohexane	56	4.970	4.970	0.000	89	271752	50.0	47.7	
54 1,1,1-Trichloroethane	97	4.982	4.982	0.000	98	231280	50.0	48.7	
\$ 55 Dibromofluoromethane (Surr)	113	4.988	4.988	0.000	99	160537	50.0	49.1	
56 Carbon tetrachloride	117	5.080	5.080	0.000	99	182676	50.0	48.0	
57 1,1-Dichloropropene	75	5.104	5.104	0.000	98	221280	50.0	48.3	
58 Isobutyl alcohol	43	5.184	5.184	0.000	95	164203	1250.0	1257.3	
59 Isooctane	57	5.232	5.232	0.000	98	563062	50.0	50.5	
60 Benzene	78	5.269	5.269	0.000	96	671526	50.0	48.4	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	98	180583	50.0	49.0	
62 Isopropyl acetate	61	5.287	5.287	0.000	98	67668	50.0	46.4	
63 Tert-amyl methyl ether	87	5.299	5.299	0.000	92	162916	50.0	49.9	
64 1,2-Dichloroethane	62	5.336	5.336	0.000	97	204798	50.0	48.1	
65 n-Heptane	71	5.366	5.366	0.000	91	171248	50.0	49.5	
* 66 Fluorobenzene	96	5.488	5.488	0.000	99	620089	50.0	50.0	
67 n-Butanol	56	5.696	5.696	0.000	86	112116	1250.0	1303.2	
68 Trichloroethene	95	5.769	5.769	0.000	98	168692	50.0	48.8	
69 Ethyl acrylate	55	5.879	5.879	0.000	81	327009	50.0	51.3	
70 Methylcyclohexane	83	5.879	5.879	0.000	90	271756	50.0	48.5	
71 1,2-Dichloropropane	63	6.019	6.019	0.000	94	158339	50.0	49.8	
72 Methyl methacrylate	100	6.055	6.055	0.000	84	80430	100.0	105.1	
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	96	31064	1000.0	1000.0	
74 n-Propyl acetate	43	6.098	6.098	0.000	98	190522	50.0	50.8	
75 1,4-Dioxane	88	6.104	6.104	0.000	87	33768	1000.0	1073.0	
76 Dibromomethane	93	6.135	6.135	0.000	93	102079	50.0	49.5	
77 Dichlorobromomethane	83	6.250	6.250	0.000	99	200093	50.0	50.0	
78 2-Chloroethyl vinyl ether	63	6.531	6.531	0.000	96	87915	50.1	52.3	
79 2-Nitropropane	41	6.543	6.543	0.000	94	41770	100.0	84.5	
80 Epichlorohydrin	57	6.628	6.628	0.000	98	303285	1000.0	1055.5	
81 cis-1,3-Dichloropropene	75	6.677	6.677	0.000	90	263751	50.0	51.6	
82 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	95	705525	250.0	274.6	

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	6.866	6.866	0.000	99	588027	50.0	49.8	
84 Toluene	91	6.927	6.927	0.000	94	653549	50.0	50.6	
85 Ethyl methacrylate	69	7.147	7.147	0.000	75	175186	50.0	52.0	
86 trans-1,3-Dichloropropene	75	7.153	7.153	0.000	96	221079	50.0	51.7	
87 1,1,2-Trichloroethane	83	7.293	7.293	0.000	96	111534	50.0	50.4	
88 Tetrachloroethene	166	7.336	7.336	0.000	97	167417	50.0	49.0	
89 1,3-Dichloropropane	76	7.427	7.427	0.000	98	220497	50.0	49.5	
90 2-Hexanone	43	7.445	7.445	0.000	95	398808	250.0	265.3	
91 n-Butyl acetate	73	7.494	7.494	0.000	98	34417	50.0	46.1	
92 Chlorodibromomethane	129	7.573	7.573	0.000	98	133766	50.0	49.9	
93 Ethylene Dibromide	107	7.671	7.671	0.000	98	135431	50.0	50.3	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	84	418011	50.0	50.0	
95 Chlorobenzene	112	7.976	7.976	0.000	95	404157	50.0	50.3	
96 Ethylbenzene	106	8.012	8.012	0.000	98	217626	50.0	50.2	
97 1,1,1,2-Tetrachloroethane	131	8.024	8.024	0.000	95	151452	50.0	49.2	
98 m-Xylene & p-Xylene	106	8.092	8.092	0.000	98	284480	50.0	52.7	
99 n-Butyl acrylate	73	8.299	8.299	0.000	98	93248	50.0	46.5	
100 o-Xylene	106	8.341	8.341	0.000	94	284474	50.0	50.8	
101 Styrene	104	8.360	8.360	0.000	95	428767	50.0	51.3	
102 Amyl acetate (mixed isomers)	43	8.427	8.427	0.000	92	234095	50.0	50.2	
103 Bromoform	173	8.500	8.500	0.000	98	87396	50.0	48.7	
104 Isopropylbenzene	105	8.549	8.549	0.000	96	723138	50.0	51.7	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	95	180734	50.0	48.4	
106 1,1,2,2-Tetrachloroethane	83	8.762	8.762	0.000	98	177588	50.0	50.5	
107 Bromobenzene	156	8.768	8.768	0.000	97	178287	50.0	49.7	
108 N-Propylbenzene	91	8.786	8.786	0.000	99	790946	50.0	53.0	
109 trans-1,4-Dichloro-2-butene	53	8.799	8.799	0.000	73	44898	50.0	47.9	
110 1,2,3-Trichloropropane	110	8.799	8.799	0.000	91	51575	50.0	49.0	
111 4-Ethyltoluene	105	8.847	8.847	0.000	98	686441	50.0	55.1	
112 2-Chlorotoluene	91	8.860	8.860	0.000	96	626045	50.0	51.7	
113 1,3,5-Trimethylbenzene	105	8.878	8.878	0.000	93	659098	50.0	56.4	
114 Butyl Methacrylate	87	8.908	8.908	0.000	87	206756	50.0	53.2	
115 4-Chlorotoluene	91	8.921	8.921	0.000	98	477948	50.0	50.6	
116 tert-Butylbenzene	119	9.061	9.061	0.000	95	549092	50.0	54.3	
117 1,2,4-Trimethylbenzene	105	9.091	9.091	0.000	97	673819	50.0	56.1	
118 sec-Butylbenzene	105	9.183	9.183	0.000	99	784525	50.0	54.9	
119 4-Isopropyltoluene	119	9.256	9.256	0.000	98	676985	50.0	54.7	
120 1,3-Dichlorobenzene	146	9.286	9.286	0.000	97	340224	50.0	50.3	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	95	225748	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.341	9.341	0.000	84	342639	50.0	50.5	
123 1,2,3-Trimethylbenzene	105	9.341	9.341	0.000	98	691278	50.0	54.5	
124 Benzyl chloride	91	9.427	9.427	0.000	99	351767	50.0	51.9	
125 2,3-Dihydroindene	117	9.475	9.475	0.000	95	692411	50.0	53.1	
126 p-Diethylbenzene	119	9.481	9.481	0.000	96	391133	50.0	53.7	
127 n-Butylbenzene	92	9.500	9.500	0.000	98	347434	50.0	51.2	
128 1,2-Dichlorobenzene	146	9.573	9.573	0.000	97	355857	50.0	49.8	
129 1,2,4,5-Tetramethylbenzene	119	9.987	9.987	0.000	97	701628	50.0	56.0	
130 1,2-Dibromo-3-Chloropropane	75	10.097	10.097	0.000	95	36101	50.0	43.5	
131 1,3,5-Trichlorobenzene	180	10.195	10.195	0.000	97	312062	50.0	52.3	
132 1,2,4-Trichlorobenzene	180	10.701	10.701	0.000	94	312732	50.0	52.9	
133 Hexachlorobutadiene	225	10.774	10.774	0.000	98	156425	50.0	52.5	
134 Naphthalene	128	10.939	10.939	0.000	99	727675	50.0	54.2	

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	11.158	11.158	0.000	95	282474	50.0	52.4	
S 136 1,2-Dichloroethene, Total	100				0		100.0	97.5	
S 137 Xylenes, Total	100				0		100.0	103.5	
S 138 Total BTEX	1				0		250.0	252.7	
S 139 1,3-Dichloropropene, Total	100				0		100.0	103.3	

QC Flag Legend

Processing Flags

Reagents:

ACROLEIN W_00121	Amount Added: 10.00	Units: uL	
GASES Li_00413	Amount Added: 50.00	Units: uL	
8260MIX1COMB_00134	Amount Added: 50.00	Units: uL	
524freon_00034	Amount Added: 50.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Operator ID: VOA GC/MS1

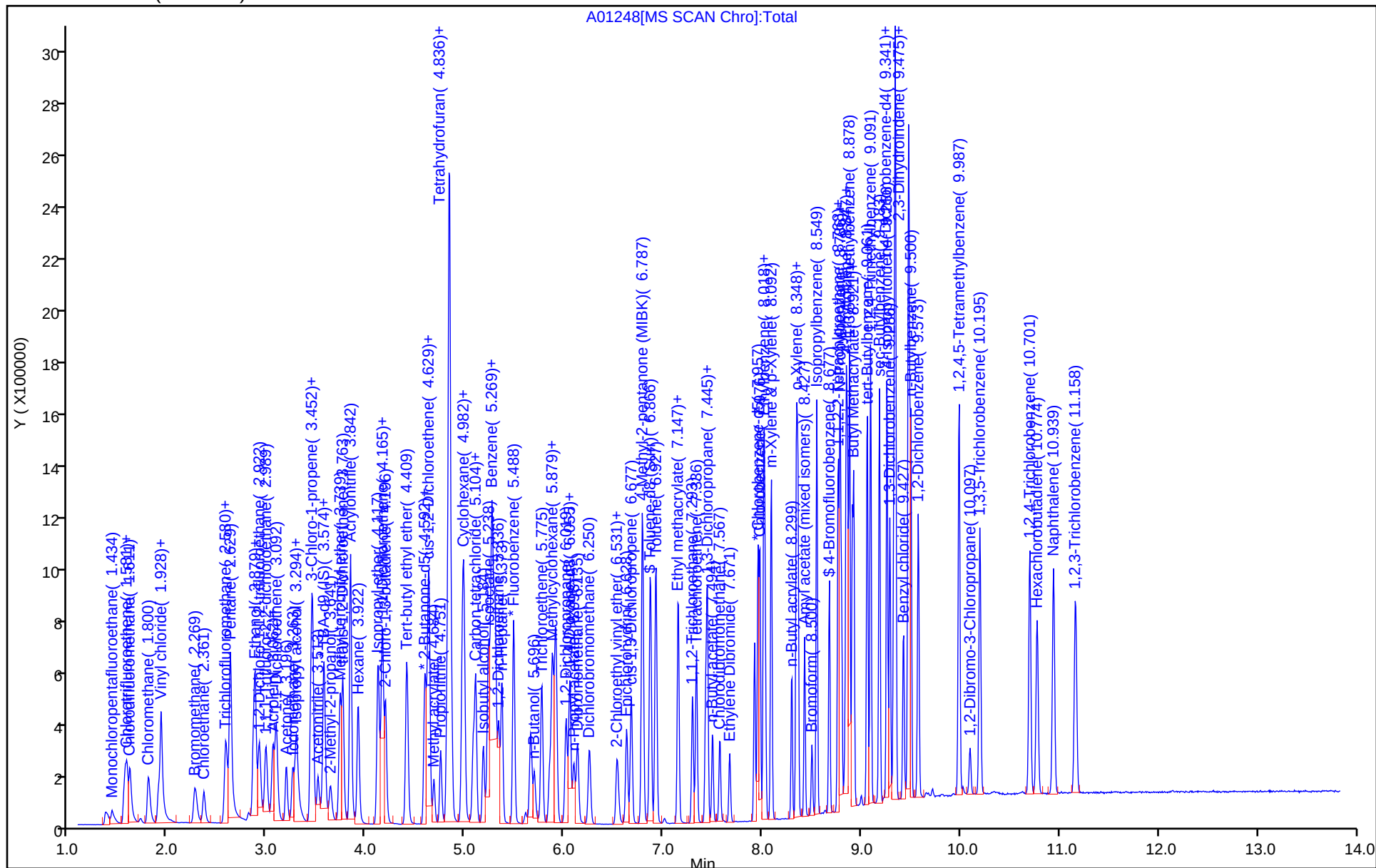
Worklist Smp#: 7

ALS Bottle#: 6

ALS Bottle#: 6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01249.D
 Lims ID: STD200
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 30-Mar-2021 04:54:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD200
 Misc. Info.: 460-0126200-008
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 30-Mar-2021 18:15:11 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1681

First Level Reviewer: tupayachia

Date: 30-Mar-2021 05:30:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.434	1.434	0.000	91	88470	200.0	209.4	
2 Chlorotrifluoroethene	116	1.556	1.556	0.000	89	358320	200.0	214.3	
3 1,1-Difluoroethane	51	1.574	1.568	0.006	94	590343	200.0	194.0	
4 Dichlorodifluoromethane	85	1.593	1.587	0.006	99	999018	200.0	206.0	
5 Chlorodifluoromethane	51	1.617	1.617	0.000	96	886012	200.0	193.0	
6 Chloromethane	50	1.806	1.800	0.006	99	1010167	200.0	179.5	
7 Vinyl chloride	62	1.910	1.904	0.006	98	936450	200.0	187.1	
8 Butadiene	39	1.934	1.928	0.006	96	793704	200.0	207.2	
9 Bromomethane	94	2.275	2.269	0.006	99	561479	200.0	202.8	
10 Chloroethane	64	2.367	2.361	0.006	99	491025	200.0	183.7	
12 Trichlorofluoromethane	101	2.586	2.580	0.006	66	952707	200.0	197.4	
11 Dichlorofluoromethane	67	2.586	2.580	0.006	98	1149308	200.0	183.4	
13 Pentane	72	2.635	2.629	0.006	94	224763	400.0	404.3	
14 Ethanol	46	2.818	2.812	0.006	99	150986	8000.0	7795.9	
15 Ethyl ether	59	2.861	2.861	0.000	95	579055	200.0	182.3	
16 2-Methyl-1,3-butadiene	53	2.879	2.879	0.000	94	598266	200.0	185.7	
17 1,2-Dichloro-1,1,2-trifluoroethane	117	2.922	2.922	0.000	91	543713	200.0	189.9	
18 1,1,1-Trifluoro-2,2-dichloroethane	83	2.989	2.989	0.000	96	907508	200.0	190.1	
19 Acrolein	56	3.056	3.056	0.000	96	74509	200.0	197.3	
20 112TCTFE	101	3.062	3.062	0.000	98	635657	200.0	204.2	
21 1,1-Dichloroethene	96	3.098	3.092	0.006	98	631908	200.0	189.1	
22 Acetone	58	3.196	3.196	0.000	88	413095	1000.0	1013.0	
23 Iodomethane	142	3.263	3.257	0.006	97	1130361	200.0	188.2	
24 Isopropyl alcohol	45	3.294	3.294	0.000	98	443843	2000.0	1926.7	
25 Carbon disulfide	76	3.300	3.294	0.006	100	2344291	200.0	185.3	
26 3-Chloro-1-propene	76	3.440	3.440	0.000	94	464564	200.0	192.2	
27 Methyl acetate	43	3.458	3.458	0.000	98	1064963	400.0	366.5	
28 Cyclopentene	67	3.458	3.458	0.000	94	1647195	200.0	186.4	
29 Acetonitrile	41	3.513	3.513	0.000	99	774307	2000.0	2100.0	
* 30 TBA-d9 (IS)	65	3.568	3.568	0.000	92	363540	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
31 Methylene Chloride	84	3.580	3.574	0.006	91	739777	200.0	185.0	
32 2-Methyl-2-propanol	59	3.641	3.641	0.000	99	759602	2000.0	2010.0	
33 Methyl tert-butyl ether	73	3.739	3.739	0.000	97	2106104	200.0	191.7	
34 trans-1,2-Dichloroethene	96	3.769	3.763	0.006	94	716903	200.0	184.4	
35 Acrylonitrile	53	3.842	3.842	0.000	95	2796088	2000.0	1892.8	
36 Hexane	43	3.921	3.922	-0.001	92	591138	200.0	202.9	
37 Isopropyl ether	45	4.123	4.117	0.006	97	2158894	200.0	195.0	
38 1,1-Dichloroethane	63	4.153	4.153	0.000	99	1217089	200.0	183.5	
39 Vinyl acetate	86	4.171	4.165	0.006	99	333872	400.0	458.4	
40 2-Chloro-1,3-butadiene	88	4.196	4.196	0.000	90	633677	200.0	195.2	
41 Tert-butyl ethyl ether	59	4.409	4.409	0.000	90	2186564	200.0	194.1	
* 42 2-Butanone-d5	46	4.592	4.586	0.006	82	391013	250.0	250.0	
43 2,2-Dichloropropane	97	4.604	4.604	0.000	94	211158	200.0	184.4	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	97	774121	200.0	185.7	
46 Ethyl acetate	70	4.635	4.635	0.000	94	175407	400.0	426.5	
45 2-Butanone (MEK)	72	4.635	4.635	0.000	97	460863	1000.0	988.7	
47 Methyl acrylate	55	4.684	4.684	0.000	100	657499	200.0	210.0	
48 Propionitrile	54	4.757	4.751	0.006	99	1103790	2000.0	1999.0	
49 Tetrahydrofuran	72	4.818	4.818	0.000	85	201450	400.0	396.7	
50 Chlorobromomethane	128	4.824	4.818	0.006	87	390617	200.0	188.2	
51 Methacrylonitrile	67	4.842	4.842	0.000	89	3072054	2000.0	2027.1	
52 Chloroform	83	4.860	4.860	0.000	99	1152213	200.0	184.8	
53 Cyclohexane	56	4.976	4.970	0.006	89	1202277	200.0	196.0	
54 1,1,1-Trichloroethane	97	4.982	4.982	0.000	98	984722	200.0	192.5	
\$ 55 Dibromofluoromethane (Surr)	113	4.994	4.988	0.006	98	169561	50.0	48.2	
56 Carbon tetrachloride	117	5.086	5.080	0.006	97	808414	200.0	197.5	
57 1,1-Dichloropropene	75	5.104	5.104	0.000	97	945728	200.0	191.7	
58 Isobutyl alcohol	43	5.183	5.184	-0.001	95	775628	5000.0	5496.5	
59 Isooctane	57	5.232	5.232	0.000	98	2503384	200.0	208.6	
60 Benzene	78	5.269	5.269	0.000	96	2750335	200.0	171.6	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.281	5.275	0.006	90	198107	50.0	50.0	
62 Isopropyl acetate	61	5.287	5.287	0.000	98	311102	200.0	201.7	
63 Tert-amyl methyl ether	87	5.305	5.299	0.006	93	702958	200.0	200.2	
64 1,2-Dichloroethane	62	5.336	5.336	0.000	97	876792	200.0	191.5	
65 n-Heptane	71	5.372	5.366	0.006	91	707738	200.0	200.3	
* 66 Fluorobenzene	96	5.488	5.488	0.000	99	667163	50.0	50.0	
67 n-Butanol	56	5.702	5.696	0.006	86	543915	5000.0	5851.4	
68 Trichloroethene	95	5.775	5.769	0.006	98	723662	200.0	194.6	
69 Ethyl acrylate	55	5.878	5.879	-0.001	80	1311439	200.0	198.1	a
70 Methylcyclohexane	83	5.878	5.879	-0.001	95	1219929	200.0	202.5	
71 1,2-Dichloropropane	63	6.019	6.019	0.000	94	694873	200.0	203.2	
72 Methyl methacrylate	100	6.055	6.055	0.000	84	400633	400.0	486.4	
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	91	37682	1000.0	1000.0	a
74 n-Propyl acetate	43	6.098	6.098	0.000	97	959404	200.0	238.0	
75 1,4-Dioxane	88	6.104	6.104	0.000	86	153636	4000.0	4024.4	
76 Dibromomethane	93	6.134	6.135	-0.001	94	444110	200.0	200.3	
77 Dichlorobromomethane	83	6.256	6.250	0.006	99	892945	200.0	207.4	
78 2-Chloroethyl vinyl ether	63	6.531	6.531	0.000	96	442964	200.5	244.9	
79 2-Nitropropane	41	6.543	6.543	0.000	98	232643	400.0	407.1	
80 Epichlorohydrin	57	6.634	6.628	0.006	98	1387527	4000.0	4297.0	
81 cis-1,3-Dichloropropene	75	6.677	6.677	0.000	90	1164425	200.0	197.1	
82 4-Methyl-2-pentanone (MIBK)	43	6.793	6.787	0.006	94	3198386	1000.0	1107.8	

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	6.872	6.866	0.006	99	658109	50.0	48.2	
84 Toluene	91	6.927	6.927	0.000	95	2805159	200.0	188.0	
85 Ethyl methacrylate	69	7.146	7.147	-0.001	80	894973	200.0	247.0	
86 trans-1,3-Dichloropropene	75	7.153	7.153	0.000	96	1037956	200.0	210.0	
87 1,1,2-Trichloroethane	83	7.293	7.293	0.000	96	510222	200.0	199.6	
88 Tetrachloroethene	166	7.335	7.336	-0.001	97	737149	200.0	186.9	
89 1,3-Dichloropropane	76	7.427	7.427	0.000	98	1049008	200.0	203.9	
90 2-Hexanone	43	7.445	7.445	0.000	94	2088491	1000.0	1236.4	
91 n-Butyl acetate	73	7.500	7.494	0.006	97	186752	200.0	216.4	
92 Chlorodibromomethane	129	7.573	7.573	0.000	98	657591	200.0	212.1	
93 Ethylene Dibromide	107	7.671	7.671	0.000	98	639602	200.0	205.6	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	84	483029	50.0	50.0	
95 Chlorobenzene	112	7.976	7.976	0.000	94	1828113	200.0	196.8	
96 Ethylbenzene	106	8.018	8.012	0.006	98	964485	200.0	192.5	
97 1,1,1,2-Tetrachloroethane	131	8.030	8.024	0.006	96	669369	200.0	188.3	
98 m-Xylene & p-Xylene	106	8.091	8.092	-0.001	97	1189795	200.0	190.8	
99 n-Butyl acrylate	73	8.299	8.299	0.000	98	481600	200.0	208.0	
100 o-Xylene	106	8.347	8.341	0.006	94	1189003	200.0	183.6	
101 Styrene	104	8.360	8.360	0.000	93	1954882	200.0	202.4	
102 Amyl acetate (mixed isomers)	43	8.427	8.427	0.000	92	1150603	200.0	220.1	
103 Bromoform	173	8.500	8.500	0.000	98	455674	200.0	219.9	
104 Isopropylbenzene	105	8.549	8.549	0.000	96	2887787	200.0	178.5	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	93	211409	50.0	49.0	
106 1,1,2,2-Tetrachloroethane	83	8.762	8.762	0.000	98	789564	200.0	200.5	
107 Bromobenzene	156	8.768	8.768	0.000	98	799769	200.0	199.1	
108 N-Propylbenzene	91	8.786	8.786	0.000	99	3187265	200.0	190.6	
109 trans-1,4-Dichloro-2-butene	53	8.799	8.799	0.000	77	214327	200.0	204.0	
110 1,2,3-Trichloropropane	110	8.799	8.799	0.000	97	234009	200.0	198.4	
111 4-Ethyltoluene	105	8.847	8.847	0.000	97	2695755	200.0	193.1	
112 2-Chlorotoluene	91	8.860	8.860	0.000	97	2661639	200.0	196.0	
113 1,3,5-Trimethylbenzene	105	8.878	8.878	0.000	93	2524138	200.0	192.9	
114 Butyl Methacrylate	87	8.908	8.908	0.000	88	980432	200.0	225.1	
115 4-Chlorotoluene	91	8.920	8.921	-0.001	98	2120510	200.0	200.5	
116 tert-Butylbenzene	119	9.061	9.061	0.000	94	2243524	200.0	198.0	
117 1,2,4-Trimethylbenzene	105	9.091	9.091	0.000	97	2576105	200.0	191.5	
118 sec-Butylbenzene	105	9.183	9.183	0.000	97	3105376	200.0	193.8	
119 4-Isopropyltoluene	119	9.256	9.256	0.000	96	2716379	200.0	195.9	
120 1,3-Dichlorobenzene	146	9.286	9.286	0.000	96	1481440	200.0	195.3	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	94	252977	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.341	9.341	0.000	91	1458569	200.0	192.0	
123 1,2,3-Trimethylbenzene	105	9.341	9.341	0.000	97	2755535	200.0	193.8	
124 Benzyl chloride	91	9.426	9.427	-0.001	99	1653668	200.0	217.6	
125 2,3-Dihydroindene	117	9.475	9.475	0.000	92	2747340	200.0	188.1	
126 p-Diethylbenzene	119	9.481	9.481	0.000	94	1534245	200.0	188.1	
127 n-Butylbenzene	92	9.500	9.500	0.000	98	1457498	200.0	191.6	
128 1,2-Dichlorobenzene	146	9.573	9.573	0.000	96	1523039	200.0	190.3	
129 1,2,4,5-Tetramethylbenzene	119	9.987	9.987	0.000	98	2677593	200.0	190.8	
130 1,2-Dibromo-3-Chloropropane	75	10.097	10.097	0.000	95	170936	200.0	183.8	
131 1,3,5-Trichlorobenzene	180	10.195	10.195	0.000	98	1234480	200.0	184.7	
132 1,2,4-Trichlorobenzene	180	10.701	10.701	0.000	94	1194409	200.0	180.4	
133 Hexachlorobutadiene	225	10.774	10.774	0.000	98	614202	200.0	183.8	
134 Naphthalene	128	10.938	10.939	-0.001	99	2905044	200.0	193.1	

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	11.164	11.158	0.006	96	1100602	200.0	182.1	
S 136 1,2-Dichloroethene, Total	100				0		400.0	370.1	
S 137 Xylenes, Total	100				0		400.0	374.4	
S 138 Total BTEX	1				0		1000.0	926.6	
S 139 1,3-Dichloropropene, Total	100				0		400.0	407.1	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00121	Amount Added: 20.00	Units: uL	
MIX 2 Hi_00109	Amount Added: 20.00	Units: uL	
MIX I Hi_00136	Amount Added: 20.00	Units: uL	
8FreonHi_00030	Amount Added: 20.00	Units: uL	
GAS Hi_00384	Amount Added: 20.00	Units: uL	
Ethanol mix_00050	Amount Added: 20.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 30-Mar-2021 18:15:12

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01249.D

Injection Date: 30-Mar-2021 04:54:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: STD200

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

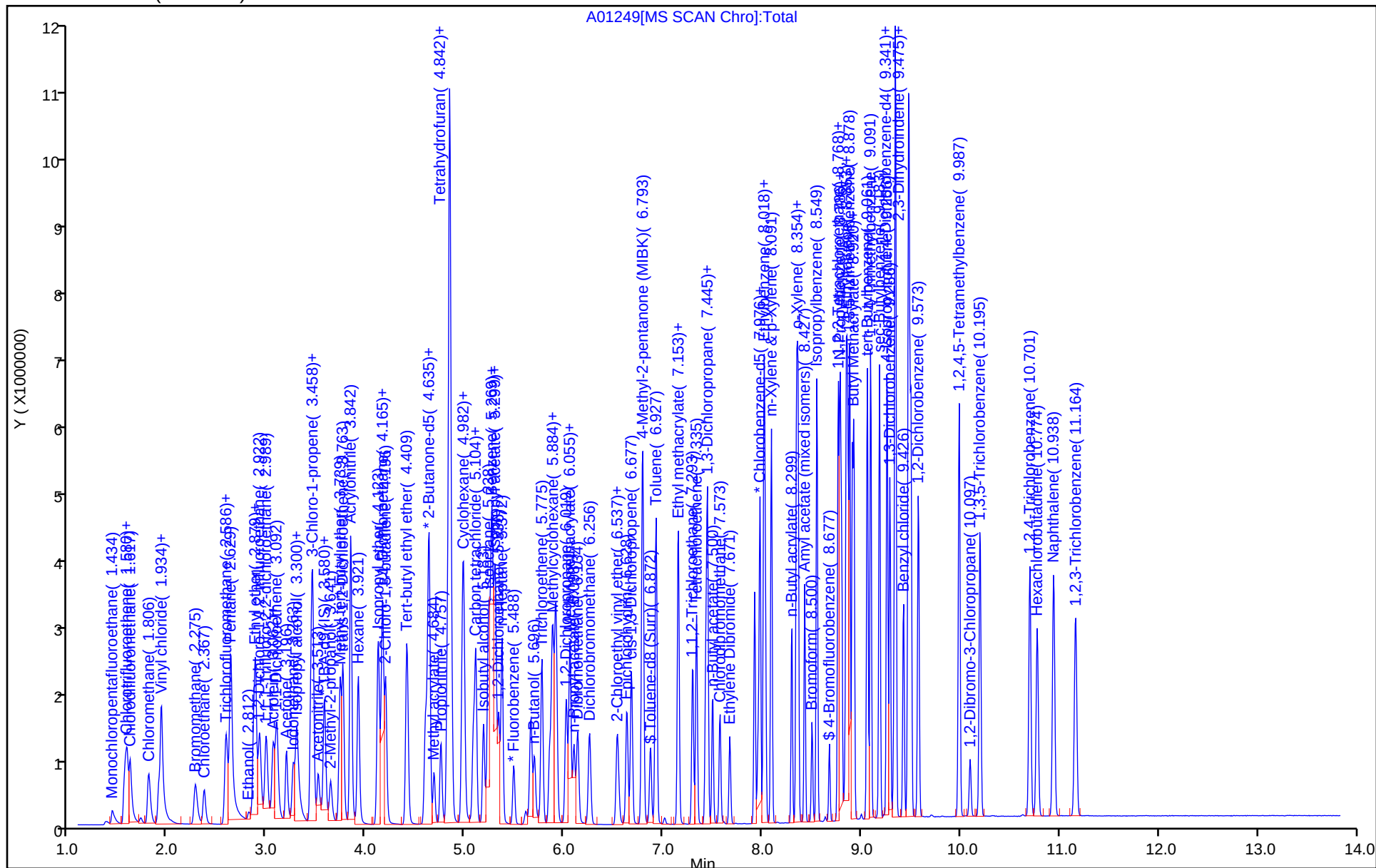
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Lims ID: STD500
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 30-Mar-2021 05:21:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD500
 Misc. Info.: 460-0126200-009
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 30-Mar-2021 18:15:32 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1681

First Level Reviewer: tupayachia

Date: 30-Mar-2021 05:44:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.434	1.434	0.000	97	222121	500.0	497.2	
2 Chlorotrifluoroethene	116	1.550	1.556	-0.006	90	915175	500.0	517.6	
3 1,1-Difluoroethane	51	1.568	1.568	0.000	94	1502068	500.0	466.8	
4 Dichlorodifluoromethane	85	1.587	1.587	0.000	99	2503672	500.0	488.2	
5 Chlorodifluoromethane	51	1.611	1.617	-0.006	96	2240277	500.0	461.5	
6 Chloromethane	50	1.800	1.800	0.000	99	2523228	500.0	424.0	
7 Vinyl chloride	62	1.904	1.904	0.000	97	2399509	500.0	453.2	
8 Butadiene	39	1.928	1.928	0.000	96	2051279	500.0	506.4	
9 Bromomethane	94	2.263	2.269	-0.006	99	993950	500.0	498.0	
10 Chloroethane	64	2.355	2.361	-0.006	100	1114876	500.0	394.4	
12 Trichlorofluoromethane	101	2.580	2.580	0.000	66	2417801	500.0	473.8	
11 Dichlorofluoromethane	67	2.580	2.580	0.000	97	2865926	500.0	432.5	
13 Pentane	72	2.629	2.629	0.000	93	497496	1000.0	811.2	
14 Ethanol	46	2.818	2.812	0.006	98	440213	20000	20606	a
15 Ethyl ether	59	2.855	2.861	-0.006	95	1444046	500.0	429.8	
16 2-Methyl-1,3-butadiene	53	2.873	2.879	-0.006	96	1495204	500.0	438.7	
17 1,2-Dichloro-1,1,2-trifluoroethane	117	2.922	2.922	0.000	88	1394393	500.0	460.6	
18 1,1,1-Trifluoro-2,2-dichloroethane	83	2.983	2.989	-0.006	96	2355848	500.0	466.7	
19 Acrolein	56	3.056	3.056	0.000	96	158220	400.0	379.9	
20 112TCTFE	101	3.056	3.062	-0.006	98	1610512	500.0	489.2	
21 1,1-Dichloroethene	96	3.092	3.092	0.000	97	1683715	500.0	476.5	
22 Acetone	58	3.190	3.196	-0.006	89	1090974	2500.0	2513.6	
23 Iodomethane	142	3.257	3.257	0.000	98	2926469	500.0	460.7	
24 Isopropyl alcohol	45	3.294	3.294	0.000	41	1272708	5000.0	5008.7	
25 Carbon disulfide	76	3.294	3.294	0.000	99	6053176	500.0	452.4	
26 3-Chloro-1-propene	76	3.440	3.440	0.000	94	1208565	500.0	472.8	
27 Methyl acetate	43	3.452	3.458	-0.006	96	2666645	1000.0	867.7	
28 Cyclopentene	67	3.458	3.458	0.000	93	4047203	500.0	433.0	
29 Acetonitrile	41	3.513	3.513	0.000	99	2324736	5000.0	5715.8	
* 30 TBA-d9 (IS)	65	3.574	3.568	0.006	86	401001	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
31 Methylene Chloride	84	3.574	3.574	0.000	89	1916188	500.0	453.0	
32 2-Methyl-2-propanol	59	3.641	3.641	0.000	99	2118580	5000.0	5082.3	
33 Methyl tert-butyl ether	73	3.739	3.739	0.000	98	5149559	500.0	443.2	
34 trans-1,2-Dichloroethene	96	3.763	3.763	0.000	93	1844549	500.0	448.6	
35 Acrylonitrile	53	3.842	3.842	0.000	91	6214057	5000.0	3977.6	
36 Hexane	43	3.915	3.922	-0.007	92	1400551	500.0	454.6	
37 Isopropyl ether	45	4.117	4.117	0.000	95	5152222	500.0	440.0	
38 1,1-Dichloroethane	63	4.153	4.153	0.000	99	3081308	500.0	439.3	
39 Vinyl acetate	86	4.165	4.165	0.000	98	818512	1000.0	1018.8	
40 2-Chloro-1,3-butadiene	88	4.196	4.196	0.000	90	1644764	500.0	479.1	
41 Tert-butyl ethyl ether	59	4.409	4.409	0.000	92	5241684	500.0	439.9	
* 42 2-Butanone-d5	46	4.592	4.586	0.006	81	416158	250.0	250.0	a
43 2,2-Dichloropropane	97	4.604	4.604	0.000	95	557030	500.0	460.1	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	98	1936392	500.0	439.2	
46 Ethyl acetate	70	4.635	4.635	0.000	94	458587	1000.0	1047.8	
45 2-Butanone (MEK)	72	4.641	4.635	0.006	98	1174137	2500.0	2366.8	
47 Methyl acrylate	55	4.684	4.684	0.000	100	1670270	500.0	504.4	
48 Propionitrile	54	4.757	4.751	0.006	98	2740771	5000.0	4499.9	
49 Tetrahydrofuran	72	4.818	4.818	0.000	84	490655	1000.0	907.8	
50 Chlorobromomethane	128	4.824	4.818	0.006	86	977424	500.0	445.2	
51 Methacrylonitrile	67	4.848	4.842	0.006	90	6176445	5000.0	3853.7	
52 Chloroform	83	4.866	4.860	0.006	99	2724684	500.0	413.1	
53 Cyclohexane	56	4.970	4.970	0.000	90	2971674	500.0	458.0	
54 1,1,1-Trichloroethane	97	4.982	4.982	0.000	98	2524481	500.0	466.7	
\$ 55 Dibromofluoromethane (Surr)	113	4.995	4.988	0.007	99	172955	50.0	46.5	
56 Carbon tetrachloride	117	5.080	5.080	0.000	98	2159049	500.0	498.7	
57 1,1-Dichloropropene	75	5.104	5.104	0.000	96	2422428	500.0	464.3	
58 Isobutyl alcohol	43	5.190	5.184	0.006	95	2357310	12500	15145	
59 Isooctane	57	5.232	5.232	0.000	97	5636013	500.0	444.1	
60 Benzene	78	5.269	5.269	0.000	99	6172031	500.0	351.5	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	88	207222	50.0	49.5	
62 Isopropyl acetate	61	5.287	5.287	0.000	98	788765	500.0	499.8	
63 Tert-amyl methyl ether	87	5.305	5.299	0.006	94	1781615	500.0	479.9	
64 1,2-Dichloroethane	62	5.336	5.336	0.000	97	2211644	500.0	456.8	
65 n-Heptane	71	5.372	5.366	0.006	91	1665704	500.0	499.9	
* 66 Fluorobenzene	96	5.488	5.488	0.000	99	705569	50.0	50.0	
67 n-Butanol	56	5.702	5.696	0.006	86	1531151	12500	14933	
68 Trichloroethene	95	5.775	5.769	0.006	99	1879696	500.0	478.1	
69 Ethyl acrylate	55	5.878	5.879	-0.001	96	3250815	500.0	500.3	a
70 Methylcyclohexane	83	5.878	5.879	-0.001	96	2961582	500.0	464.8	
71 1,2-Dichloropropane	63	6.019	6.019	0.000	93	1804540	500.0	498.9	
72 Methyl methacrylate	100	6.055	6.055	0.000	82	1035593	1000.0	1188.9	
* 73 1,4-Dioxane-d8	96	6.061	6.055	0.006	89	64831	1000.0	1000.0	Ma
74 n-Propyl acetate	43	6.098	6.098	0.000	96	2477624	500.0	581.1	
75 1,4-Dioxane	88	6.110	6.104	0.006	88	491785	10000	7487.5	
76 Dibromomethane	93	6.135	6.135	0.000	94	1138212	500.0	485.4	
77 Dichlorobromomethane	83	6.256	6.250	0.006	99	2364616	500.0	519.2	
78 2-Chloroethyl vinyl ether	63	6.531	6.531	0.000	97	1148275	501.2	600.3	
79 2-Nitropropane	41	6.549	6.543	0.006	97	680348	1000.0	999.2	
80 Epichlorohydrin	57	6.634	6.628	0.006	99	3419534	10000	9949.9	
81 cis-1,3-Dichloropropene	75	6.677	6.677	0.000	92	2972713	500.0	459.2	
82 4-Methyl-2-pentanone (MIBK)	43	6.793	6.787	0.006	89	7000818	2500.0	2278.3	

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	6.872	6.866	0.006	100	708042	50.0	47.4	
84 Toluene	91	6.927	6.927	0.000	97	6263214	500.0	383.1	
85 Ethyl methacrylate	69	7.153	7.147	0.006	78	2316805	500.0	604.6	
86 trans-1,3-Dichloropropene	75	7.153	7.153	0.000	95	2622843	500.0	484.3	
87 1,1,2-Trichloroethane	83	7.293	7.293	0.000	96	1338889	500.0	478.1	
88 Tetrachloroethene	166	7.336	7.336	0.000	97	1894780	500.0	438.4	
89 1,3-Dichloropropane	76	7.427	7.427	0.000	98	2630687	500.0	466.6	
90 2-Hexanone	43	7.445	7.445	0.000	88	4917683	2500.0	2735.5	
91 n-Butyl acetate	73	7.500	7.494	0.006	97	515873	500.0	545.5	
92 Chlorodibromomethane	129	7.573	7.573	0.000	98	1765720	500.0	519.8	
93 Ethylene Dibromide	107	7.671	7.671	0.000	98	1661327	500.0	487.4	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	85	529289	50.0	50.0	
95 Chlorobenzene	112	7.976	7.976	0.000	90	4356550	500.0	427.9	
96 Ethylbenzene	106	8.018	8.012	0.006	95	2405221	500.0	438.1	
97 1,1,1,2-Tetrachloroethane	131	8.031	8.024	0.006	96	1719418	500.0	441.4	
98 m-Xylene & p-Xylene	106	8.091	8.092	-0.001	91	3002543	500.0	439.5	
99 n-Butyl acrylate	73	8.299	8.299	0.000	99	1346853	500.0	530.8	
100 o-Xylene	106	8.348	8.341	0.007	97	2861936	500.0	403.3	
101 Styrene	104	8.360	8.360	0.000	90	4486323	500.0	423.9	
102 Amyl acetate (mixed isomers)	43	8.427	8.427	0.000	93	2973956	500.0	513.8	
103 Bromoform	173	8.500	8.500	0.000	97	1304778	500.0	574.7	
104 Isopropylbenzene	105	8.549	8.549	0.000	96	5966686	500.0	336.7	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	92	254442	50.0	53.8	
106 1,1,2,2-Tetrachloroethane	83	8.762	8.762	0.000	97	1943824	500.0	445.8	
107 Bromobenzene	156	8.768	8.768	0.000	97	2015115	500.0	453.0	
108 N-Propylbenzene	91	8.786	8.786	0.000	94	6257304	500.0	337.8	
109 trans-1,4-Dichloro-2-butene	53	8.799	8.799	0.000	75	595623	500.0	511.9	
110 1,2,3-Trichloropropane	110	8.805	8.799	0.006	92	619798	500.0	474.4	
111 4-Ethyltoluene	105	8.847	8.847	0.000	93	5663520	500.0	366.3	
112 2-Chlorotoluene	91	8.860	8.860	0.000	97	6113012	500.0	406.5	
113 1,3,5-Trimethylbenzene	105	8.884	8.878	0.006	95	5312426	500.0	366.5	
114 Butyl Methacrylate	87	8.908	8.908	0.000	89	2488747	500.0	516.0	
115 4-Chlorotoluene	91	8.927	8.921	0.006	95	4827321	500.0	412.1	
116 tert-Butylbenzene	119	9.061	9.061	0.000	89	5088878	500.0	405.5	
117 1,2,4-Trimethylbenzene	105	9.091	9.091	0.000	94	5448286	500.0	365.8	
118 sec-Butylbenzene	105	9.183	9.183	0.000	91	6300691	500.0	355.0	
119 4-Isopropyltoluene	119	9.262	9.256	0.006	91	5752559	500.0	374.7	
120 1,3-Dichlorobenzene	146	9.286	9.286	0.000	91	3614250	500.0	430.3	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	91	280172	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.341	9.341	0.000	85	3323558	500.0	395.0	
123 1,2,3-Trimethylbenzene	105	9.347	9.341	0.006	93	5508828	500.0	349.8	
124 Benzyl chloride	91	9.427	9.427	0.000	98	3980021	500.0	473.0	
125 2,3-Dihydroindene	117	9.475	9.475	0.000	94	5530271	500.0	341.8	
126 p-Diethylbenzene	119	9.481	9.481	0.000	87	3466467	500.0	383.7	
127 n-Butylbenzene	92	9.500	9.500	0.000	93	3526640	500.0	418.6	
128 1,2-Dichlorobenzene	146	9.573	9.573	0.000	92	3663320	500.0	413.3	
129 1,2,4,5-Tetramethylbenzene	119	9.987	9.987	0.000	96	5935683	500.0	381.9	
130 1,2-Dibromo-3-Chloropropane	75	10.097	10.097	0.000	95	452795	500.0	439.7	
131 1,3,5-Trichlorobenzene	180	10.201	10.195	0.006	97	3112577	500.0	420.5	
132 1,2,4-Trichlorobenzene	180	10.701	10.701	0.000	95	3058735	500.0	417.0	
133 Hexachlorobutadiene	225	10.774	10.774	0.000	98	1772656	500.0	478.9	
134 Naphthalene	128	10.938	10.939	-0.001	97	6640378	500.0	398.6	

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	11.164	11.158	0.006	96	2904651	500.0	434.0	
S 136 1,2-Dichloroethene, Total	100				0		1000.0	887.7	
S 137 Xylenes, Total	100				0		1000.0	842.8	
S 138 Total BTEX	1				0		2500.0	2015.4	
S 139 1,3-Dichloropropene, Total	100				0		1000.0	943.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MIX 2 Hi_00109	Amount Added: 50.00	Units: uL	
MIX I Hi_00136	Amount Added: 50.00	Units: uL	
8FreonHi_00030	Amount Added: 50.00	Units: uL	
ACROLEIN W_00121	Amount Added: 40.00	Units: uL	
GAS Hi_00384	Amount Added: 50.00	Units: uL	
Ethanol mix_00050	Amount Added: 50.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D

Injection Date: 30-Mar-2021 05:21:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: STD500

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

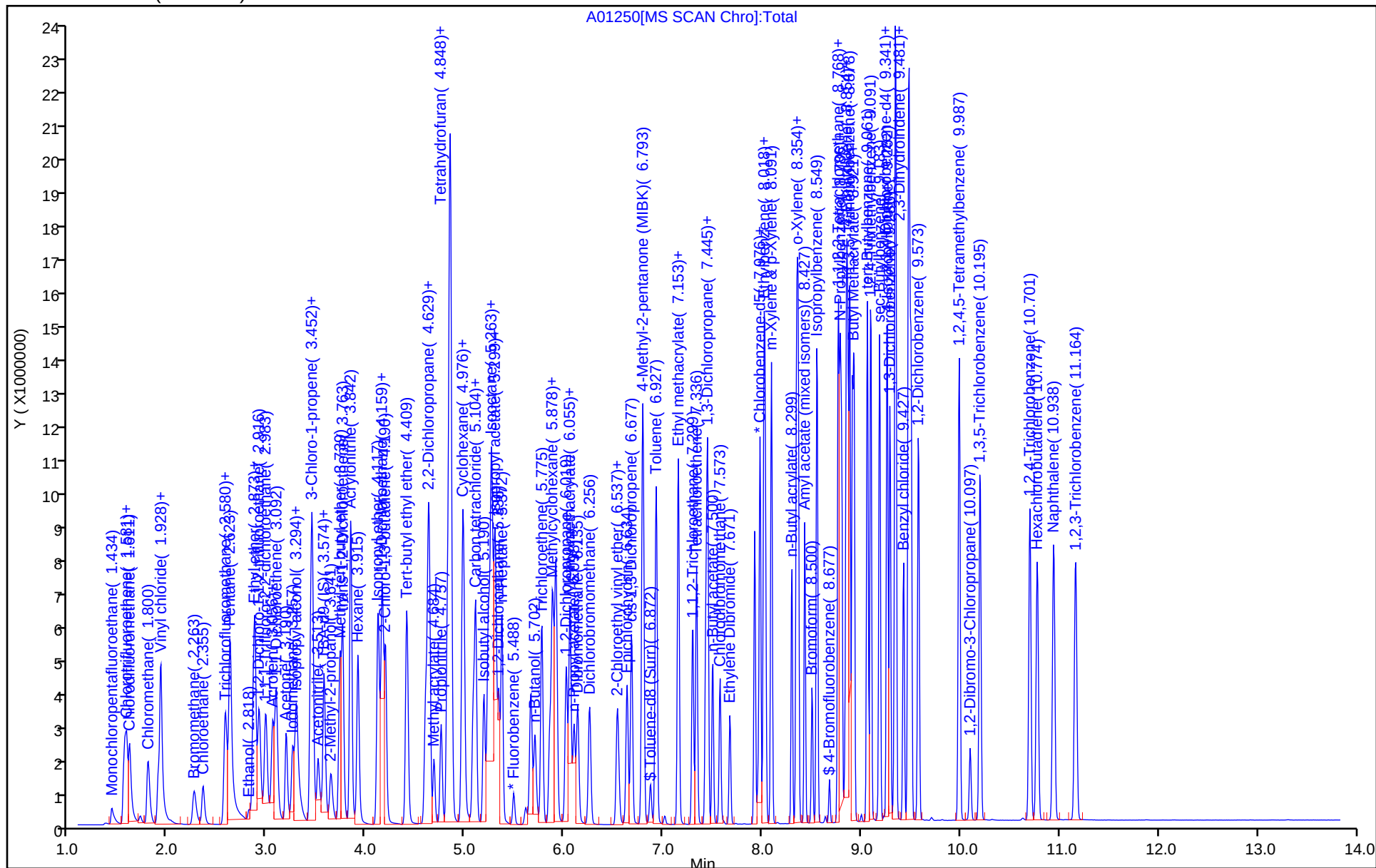
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Lab Sample ID: ICV 460-768128/16 Calibration Date: 03/30/2021 08:28

Instrument ID: CVOAMS1 Calib Start Date: 03/30/2021 02:38

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/30/2021 05:21

Lab File ID: A01257.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
Monochloropentafluoroethane	Ave	0.0317	0.0211		13.3	20.0	-33.4*	30.0
Chlorotrifluoroethene	Ave	0.1253	0.1073		17.1	20.0	-14.3	30.0
1,1-Difluoroethane	Ave	0.2280	0.2213		19.4	20.0	-3.0	30.0
Dichlorodifluoromethane	Ave	0.3634	0.3332	0.1000	18.3	20.0	-8.3	30.0
Chlorodifluoromethane	Ave	0.3440	0.3127		18.2	20.0	-9.1	30.0
Chloromethane	Ave	0.4217	0.3726	0.1000	17.7	20.0	-11.6	30.0
Vinyl chloride	Ave	0.3752	0.3514	0.1000	18.7	20.0	-6.3	30.0
Butadiene	Ave	0.2870	0.2764		19.3	20.0	-3.7	30.0
Bromomethane	QuaF		0.2170	0.1000	17.4	20.0	-12.9	30.0
Chloroethane	Ave	0.2003	0.1909	0.1000	19.1	20.0	-4.7	30.0
Dichlorofluoromethane	Ave	0.4696	0.4462		19.0	20.0	-5.0	30.0
Trichlorofluoromethane	Ave	0.3616	0.3513	0.1000	19.4	20.0	-2.9	30.0
Pentane	Ave	1.529	1.835		48.0	40.0	20.0	30.0
Ethanol	Ave	0.0533	0.0651		977	800	22.2	30.0
Ethyl ether	Ave	0.2381	0.2317		19.5	20.0	-2.7	30.0
2-Methyl-1,3-butadiene	Ave	0.2415	0.2448		20.3	20.0	1.4	30.0
1,2-Dichloro-1,1,2-trifluoroethane	Ave	0.2145	0.2097		19.6	20.0	-2.2	30.0
1,1,1-Trifluoro-2,2-dichloroethane	Ave	0.3577	0.3501		19.6	20.0	-2.2	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2333	0.2431	0.1000	20.8	20.0	4.2	30.0
Acrolein	Ave	1.039	0.6617		25.5	40.1	-36.3*	30.0
1,1-Dichloroethene	Ave	0.2504	0.2508	0.1000	20.0	20.0	0.2	30.0
Acetone	Ave	0.2607	0.2315	0.0500	88.8	100	-11.2	30.0
Iodomethane	Ave	0.4502	0.4388		19.5	20.0	-2.5	30.0
Carbon disulfide	Ave	0.9482	0.9285	0.1000	19.6	20.0	-2.1	30.0
Isopropyl alcohol	Ave	0.6337	0.6350		200	200	0.2	30.0
3-Chloro-1-propene	Ave	0.1811	0.1638		18.1	20.0	-9.6	30.0
Cyclopentene	Ave	0.6624	0.6596		19.9	20.0	-0.4	30.0
Methyl acetate	Ave	0.2178	0.2096	0.1000	38.5	40.0	-3.8	30.0
Acetonitrile	Ave	1.014	1.305		257	200	28.6	30.0
Methylene Chloride	Ave	0.2998	0.2894	0.1000	19.3	20.0	-3.5	30.0
2-Methyl-2-propanol	Ave	1.040	1.021		196	200	-1.8	30.0
Methyl tert-butyl ether	Ave	0.8233	0.8165	0.1000	19.8	20.0	-0.8	30.0
trans-1,2-Dichloroethene	Ave	0.2914	0.2823	0.1000	19.4	20.0	-3.1	30.0
Acrylonitrile	Ave	0.1107	0.1065		192	200	-3.8	30.0
Hexane	Ave	0.2183	0.2111		19.3	20.0	-3.3	30.0
Isopropyl ether	Ave	0.8298	0.8008		19.3	20.0	-3.5	30.0
1,1-Dichloroethane	Ave	0.4970	0.4616	0.2000	18.6	20.0	-7.1	30.0
Vinyl acetate	Ave	2.003	1.710		34.1	40.0	-14.6	30.0
2-Chloro-1,3-butadiene	Ave	0.2433	0.2354		19.4	20.0	-3.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Lab Sample ID: ICV 460-768128/16 Calibration Date: 03/30/2021 08:28

Instrument ID: CVOAMS1 Calib Start Date: 03/30/2021 02:38

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/30/2021 05:21

Lab File ID: A01257.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
Tert-butyl ethyl ether	Ave	0.8444	0.8413		19.9	20.0	-0.4	30.0
2,2-Dichloropropane	Ave	0.0858	0.0809		18.9	20.0	-5.7	30.0
cis-1,2-Dichloroethene	Ave	0.3125	0.3045	0.1000	19.5	20.0	-2.5	30.0
2-Butanone (MEK)	Ave	0.2980	0.2717	0.0500	91.2	100	-8.8	30.0
Ethyl acetate	Ave	0.2629	0.2633		40.1	40.0	0.1	30.0
Methyl acrylate	Ave	0.2347	0.2163		18.4	20.0	-7.8	30.0
Propionitrile	Ave	1.519	1.464		193	200	-3.6	30.0
Tetrahydrofuran	Ave	0.3247	0.3076		37.9	40.0	-5.3	30.0
Chlorobromomethane	Ave	0.1556	0.1459		18.8	20.0	-6.2	30.0
Methacrylonitrile	Ave	0.1136	0.1136		200	200	0.0	30.0
Chloroform	Ave	0.4674	0.4305	0.2000	18.4	20.0	-7.9	30.0
Cyclohexane	Ave	0.4597	0.4634	0.1000	20.2	20.0	0.8	30.0
1,1,1-Trichloroethane	Ave	0.3833	0.3617	0.1000	18.9	20.0	-5.6	30.0
Carbon tetrachloride	Ave	0.3068	0.2930	0.1000	19.1	20.0	-4.5	30.0
1,1-Dichloropropene	Ave	0.3697	0.3354		18.1	20.0	-9.3	30.0
Isobutyl alcohol	Ave	0.3882	0.3577		461	500	-7.8	30.0
Isooctane	Ave	0.8993	0.9577		21.3	20.0	6.5	30.0
Benzene	Ave	1.659	1.686	0.5000	20.3	20.0	1.6	30.0
Isopropyl acetate	QuaF		0.1071		18.2	20.0	-9.1	30.0
Tert-amyl methyl ether	Ave	0.2631	0.2527		19.2	20.0	-4.0	30.0
1,2-Dichloroethane	Ave	0.3431	0.3195	0.1000	18.6	20.0	-6.9	30.0
n-Heptane	QuaF		0.2047		14.5	20.0	-27.5	30.0
n-Butanol	Ave	0.2557	0.2494		488	500	-2.5	30.0
Trichloroethene (TCE)	Ave	0.2786	0.2580	0.2000	18.5	20.0	-7.4	30.0
Ethyl acrylate	QuaF		0.5376		20.8	20.0	4.0	30.0
Methylcyclohexane	Ave	0.4515	0.4558	0.1000	20.2	20.0	0.9	30.0
1,2-Dichloropropane	Ave	0.2563	0.2403	0.1000	18.8	20.0	-6.2	30.0
Methyl methacrylate	Ave	0.0617	0.0571		37.0	40.0	-7.4	30.0
n-Propyl acetate	Ave	0.3021	0.2517		16.7	20.0	-16.7	30.0
1,4-Dioxane	Ave	1.013	1.049		414	400	3.5	30.0
Dibromomethane	Ave	0.1662	0.1547		18.6	20.0	-6.9	30.0
Dichlorobromomethane	Ave	0.3227	0.2984	0.2000	18.5	20.0	-7.5	30.0
2-Chloroethyl vinyl ether	Ave	0.1356	0.1158		17.1	20.0	-14.6	30.0
2-Nitropropane	QuaF		0.0315		32.0	40.0	-20.1	30.0
Epichlorohydrin	Ave	0.2065	0.2386		23.1	20.0	15.5	30.0
cis-1,3-Dichloropropene	Ave	0.6115	0.5853	0.2000	19.1	20.0	-4.3	30.0
4-Methyl-2-pentanone (MIBK)	Ave	1.846	1.854	0.0500	100	100	0.5	30.0
Toluene	Ave	1.545	1.505	0.4000	19.5	20.0	-2.5	30.0
Ethyl methacrylate	Ave	0.2716	0.2215		16.3	20.0	-18.4	30.0
trans-1,3-Dichloropropene	Ave	0.5116	0.4545	0.1000	17.8	20.0	-11.2	30.0
1,1,2-Trichloroethane	Ave	0.2645	0.2440	0.1000	18.4	20.0	-7.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Lab Sample ID: ICV 460-768128/16 Calibration Date: 03/30/2021 08:28

Instrument ID: CVOAMS1 Calib Start Date: 03/30/2021 02:38

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/30/2021 05:21

Lab File ID: A01257.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
Tetrachloroethene	Ave	0.4083	0.3906	0.2000	19.1	20.0	-4.3	30.0
1,3-Dichloropropane	Ave	0.5325	0.4924		18.5	20.0	-7.5	30.0
2-Hexanone	Ave	1.080	1.004	0.0500	93.0	100	-7.0	30.0
n-Butyl acetate	Ave	0.0893	0.0729		16.3	20.0	-18.4	30.0
Chlorodibromomethane	Ave	0.3209	0.3036	0.1000	18.9	20.0	-5.4	30.0
Ethylene Dibromide	Ave	0.3220	0.3031	0.1000	18.8	20.0	-5.9	30.0
Chlorobenzene	Ave	0.9617	0.9227	0.5000	19.2	20.0	-4.1	30.0
Ethylbenzene	Ave	0.5187	0.4915	0.1000	19.0	20.0	-5.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3680	0.3576		19.4	20.0	-2.8	30.0
m-Xylene & p-Xylene	Ave	0.6454	0.6093	0.1000	18.9	20.0	-5.6	30.0
n-Butyl acrylate	Ave	0.2397	0.2042		17.0	20.0	-14.8	30.0
o-Xylene	Ave	0.6703	0.6578	0.3000	19.6	20.0	-1.9	30.0
Styrene	Ave	1.000	0.9169	0.3000	18.3	20.0	-8.3	30.0
Amyl acetate (mixed isomers)	Ave	1.033	0.9439		18.3	20.0	-8.6	30.0
Bromoform	Ave	0.2145	0.1931	0.1000	18.0	20.0	-10.0	30.0
Isopropylbenzene	Ave	1.674	1.728	0.1000	20.6	20.0	3.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7782	0.7356	0.3000	18.9	20.0	-5.5	30.0
Bromobenzene	Ave	0.7939	0.7272		18.3	20.0	-8.4	30.0
N-Propylbenzene	Ave	3.305	3.295		19.9	20.0	-0.3	30.0
1,2,3-Trichloropropane	Ave	0.2331	0.2116		18.2	20.0	-9.2	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2076	0.1815		17.5	20.0	-12.6	30.0
4-Ethyltoluene	Ave	2.759	2.757		20.0	20.0	-0.1	30.0
2-Chlorotoluene	Ave	2.684	2.634		19.6	20.0	-1.9	30.0
1,3,5-Trimethylbenzene	Ave	2.587	2.641		20.4	20.0	2.1	30.0
Butyl Methacrylate	Ave	0.8608	0.7800		18.1	20.0	-9.4	30.0
4-Chlorotoluene	Ave	2.091	1.986		19.0	20.0	-5.0	30.0
tert-Butylbenzene	Ave	2.240	2.303		20.6	20.0	2.8	30.0
1,2,4-Trimethylbenzene	Ave	2.658	2.668		20.1	20.0	0.4	30.0
sec-Butylbenzene	Ave	3.167	3.372		21.3	20.0	6.5	30.0
4-Isopropyltoluene	Ave	2.740	2.882		21.0	20.0	5.2	30.0
1,3-Dichlorobenzene	Ave	1.499	1.429	0.6000	19.1	20.0	-4.7	30.0
1,2,3-Trimethylbenzene	Ave	2.811	2.997		21.3	20.0	6.6	30.0
1,4-Dichlorobenzene	Ave	1.502	1.459	0.5000	19.4	20.0	-2.8	30.0
Benzyl chloride	Ave	1.502	1.450		19.3	20.0	-3.4	30.0
Indan	Ave	2.887	3.033		21.0	20.0	5.0	30.0
p-Diethylbenzene	Ave	1.612	1.904		23.6	20.0	18.1	30.0
n-Butylbenzene	Ave	1.504	1.501		20.0	20.0	-0.2	30.0
1,2-Dichlorobenzene	Ave	1.582	1.542	0.4000	19.5	20.0	-2.5	30.0
1,2,4,5-Tetramethylbenzene	Ave	2.774	3.027		21.8	20.0	9.1	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1838	0.1583	0.0500	17.2	20.0	-13.9	30.0
1,3,5-Trichlorobenzene	Ave	1.321	1.444		21.9	20.0	9.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Lab Sample ID: ICV 460-768128/16 Calibration Date: 03/30/2021 08:28
 Instrument ID: CVOAMS1 Calib Start Date: 03/30/2021 02:38
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/30/2021 05:21
 Lab File ID: A01257.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	1.309	1.466	0.2000	22.4	20.0	12.0	30.0
Hexachlorobutadiene	Ave	0.6605	0.7012		21.2	20.0	6.2	30.0
Naphthalene	Ave	2.973	3.435		23.1	20.0	15.5	30.0
1,2,3-Trichlorobenzene	Ave	1.194	1.405		23.5	20.0	17.7	30.0
Dibromofluoromethane (Surr)	Ave	0.2638	0.2642		50.1	50.0	0.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2969	0.2984		50.3	50.0	0.5	30.0
Toluene-d8 (Surr)	Ave	1.412	1.441		51.0	50.0	2.1	30.0
4-Bromofluorobenzene	Ave	0.4466	0.4343		48.6	50.0	-2.8	30.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01257.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 30-Mar-2021 08:28:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 460-0126200-016
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist:
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 30-Mar-2021 18:16:34 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1681

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.434	1.434	0.000	92	5265	20.0	13.3	
2 Chlorotrifluoroethene	116	1.556	1.556	0.000	86	26784	20.0	17.1	
3 1,1-Difluoroethane	51	1.568	1.568	0.000	95	55213	20.0	19.4	
4 Dichlorodifluoromethane	85	1.587	1.587	0.000	99	83128	20.0	18.3	
5 Chlorodifluoromethane	51	1.611	1.617	-0.006	97	78022	20.0	18.2	
6 Chloromethane	50	1.800	1.800	0.000	99	92978	20.0	17.7	
7 Vinyl chloride	62	1.904	1.904	0.000	98	87674	20.0	18.7	
8 Butadiene	39	1.928	1.928	0.000	96	68965	20.0	19.3	
9 Bromomethane	94	2.269	2.269	0.000	99	54140	20.0	17.4	
10 Chloroethane	64	2.361	2.361	0.000	99	47644	20.0	19.1	
12 Trichlorofluoromethane	101	2.580	2.580	0.000	64	87643	20.0	19.4	
11 Dichlorofluoromethane	67	2.580	2.580	0.000	98	111324	20.0	19.0	
13 Pentane	72	2.629	2.629	0.000	97	24911	40.0	48.0	
14 Ethanol	46	2.812	2.812	0.000	97	17672	800.0	977.4	
15 Ethyl ether	59	2.861	2.861	0.000	96	57801	20.0	19.5	
16 2-Methyl-1,3-butadiene	53	2.879	2.879	0.000	95	61080	20.0	20.3	
17 1,2-Dichloro-1,1,2-trifluoroethane	117	2.922	2.922	0.000	79	52325	20.0	19.6	
18 1,1,1-Trifluoro-2,2-dichloroethane	83	2.989	2.989	0.000	96	87343	20.0	19.6	
19 Acrolein	56	3.062	3.056	0.006	40	8995	40.1	25.5	
20 1,1,2,2-Tetrafluoroethane	101	3.062	3.062	0.000	98	60663	20.0	20.8	
21 1,1-Dichloroethene	96	3.092	3.092	0.000	98	62588	20.0	20.0	
22 Acetone	58	3.196	3.196	0.000	88	31649	100.0	88.8	
23 Iodomethane	142	3.257	3.257	0.000	97	109475	20.0	19.5	
24 Isopropyl alcohol	45	3.294	3.294	0.000	39	43104	200.0	200.4	
25 Carbon disulfide	76	3.294	3.294	0.000	99	231668	20.0	19.6	
26 3-Chloro-1-propene	76	3.440	3.440	0.000	95	40870	20.0	18.1	
27 Methyl acetate	43	3.458	3.458	0.000	98	104587	40.0	38.5	
28 Cyclopentene	67	3.458	3.458	0.000	94	164573	20.0	19.9	
29 Acetonitrile	41	3.513	3.513	0.000	100	88551	200.0	257.2	
* 30 TBA-d9 (IS)	65	3.568	3.568	0.000	83	339395	1000.0	1000.0	
31 Methylene Chloride	84	3.574	3.574	0.000	91	72204	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
32 2-Methyl-2-propanol	59	3.641	3.641	0.000	99	69292	200.0	196.4	
33 Methyl tert-butyl ether	73	3.739	3.739	0.000	97	203730	20.0	19.8	
34 trans-1,2-Dichloroethene	96	3.763	3.763	0.000	94	70450	20.0	19.4	
35 Acrylonitrile	53	3.842	3.842	0.000	94	265714	200.0	192.4	
36 Hexane	43	3.921	3.922	-0.001	92	52666	20.0	19.3	
37 Isopropyl ether	45	4.123	4.117	0.006	98	199816	20.0	19.3	
38 1,1-Dichloroethane	63	4.153	4.153	0.000	99	115173	20.0	18.6	
39 Vinyl acetate	86	4.165	4.165	0.000	100	23216	40.0	34.1	
40 2-Chloro-1,3-butadiene	88	4.196	4.196	0.000	89	58738	20.0	19.4	
41 Tert-butyl ethyl ether	59	4.409	4.409	0.000	89	209906	20.0	19.9	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	97	341802	250.0	250.0	
43 2,2-Dichloropropane	97	4.604	4.604	0.000	96	20183	20.0	18.9	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	96	75980	20.0	19.5	
46 Ethyl acetate	70	4.635	4.635	0.000	93	14400	40.0	40.1	
45 2-Butanone (MEK)	72	4.635	4.635	0.000	97	37153	100.0	91.2	
47 Methyl acrylate	55	4.683	4.684	-0.001	100	53969	20.0	18.4	
48 Propionitrile	54	4.751	4.751	0.000	99	99383	200.0	192.8	
49 Tetrahydrofuran	72	4.818	4.818	0.000	75	16823	40.0	37.9	
50 Chlorobromomethane	128	4.824	4.818	0.006	81	36399	20.0	18.8	
51 Methacrylonitrile	67	4.842	4.842	0.000	90	283508	200.0	200.1	
52 Chloroform	83	4.860	4.860	0.000	99	107420	20.0	18.4	
53 Cyclohexane	56	4.970	4.970	0.000	90	115634	20.0	20.2	
54 1,1,1-Trichloroethane	97	4.982	4.982	0.000	97	90246	20.0	18.9	
\$ 55 Dibromofluoromethane (Surr)	113	4.994	4.988	0.006	99	164795	50.0	50.1	
56 Carbon tetrachloride	117	5.080	5.080	0.000	97	73119	20.0	19.1	
57 1,1-Dichloropropene	75	5.104	5.104	0.000	97	83695	20.0	18.1	
58 Isobutyl alcohol	43	5.183	5.184	-0.001	96	60705	500.0	460.8	
59 Isooctane	57	5.232	5.232	0.000	99	238957	20.0	21.3	
60 Benzene	78	5.269	5.269	0.000	95	260699	20.0	20.3	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	87	186129	50.0	50.3	
62 Isopropyl acetate	61	5.287	5.287	0.000	97	26730	20.0	18.2	
63 Tert-amyl methyl ether	87	5.299	5.299	0.000	99	63044	20.0	19.2	
64 1,2-Dichloroethane	62	5.336	5.336	0.000	97	79726	20.0	18.6	
65 n-Heptane	71	5.372	5.366	0.006	91	51077	20.0	14.5	
* 66 Fluorobenzene	96	5.488	5.488	0.000	99	623787	50.0	50.0	
67 n-Butanol	56	5.702	5.696	0.006	88	42323	500.0	487.7	
68 Trichloroethene	95	5.775	5.769	0.006	98	64383	20.0	18.5	
69 Ethyl acrylate	55	5.878	5.879	-0.001	80	134131	20.0	20.8	
70 Methylcyclohexane	83	5.878	5.879	-0.001	95	113729	20.0	20.2	
71 1,2-Dichloropropane	63	6.019	6.019	0.000	93	59958	20.0	18.8	
72 Methyl methacrylate	100	6.055	6.055	0.000	87	28512	40.0	37.0	
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	94	38233	1000.0	1000.0	
74 n-Propyl acetate	43	6.098	6.098	0.000	98	62792	20.0	16.7	
75 1,4-Dioxane	88	6.104	6.104	0.000	30	16039	400.0	414.1	
76 Dibromomethane	93	6.134	6.135	-0.001	93	38601	20.0	18.6	
77 Dichlorobromomethane	83	6.256	6.250	0.006	99	74464	20.0	18.5	
78 2-Chloroethyl vinyl ether	63	6.531	6.531	0.000	92	28888	20.0	17.1	
79 2-Nitropropane	41	6.543	6.543	0.000	84	15714	40.0	32.0	
80 Epichlorohydrin	57	6.634	6.628	0.006	91	6523	20.0	23.1	
81 cis-1,3-Dichloropropene	75	6.677	6.677	0.000	91	90509	20.0	19.1	
82 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	95	253539	100.0	100.5	
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	99	557091	50.0	51.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.927	6.927	0.000	94	232788	20.0	19.5	
85 Ethyl methacrylate	69	7.153	7.147	0.005	73	55271	20.0	16.3	
86 trans-1,3-Dichloropropene	75	7.153	7.153	-0.001	96	70288	20.0	17.8	
87 1,1,2-Trichloroethane	83	7.293	7.293	0.000	96	37739	20.0	18.4	
88 Tetrachloroethene	166	7.335	7.336	-0.001	97	60407	20.0	19.1	
89 1,3-Dichloropropane	76	7.427	7.427	0.000	93	76149	20.0	18.5	
90 2-Hexanone	43	7.445	7.445	0.000	96	137325	100.0	93.0	
91 n-Butyl acetate	73	7.500	7.494	0.006	98	11266	20.0	16.3	
92 Chlorodibromomethane	129	7.573	7.573	0.000	98	46956	20.0	18.9	
93 Ethylene Dibromide	107	7.671	7.671	0.000	98	46870	20.0	18.8	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	85	386611	50.0	50.0	
95 Chlorobenzene	112	7.976	7.976	0.000	95	142684	20.0	19.2	
96 Ethylbenzene	106	8.012	8.012	0.000	98	76014	20.0	19.0	
97 1,1,1,2-Tetrachloroethane	131	8.030	8.024	0.006	95	55305	20.0	19.4	
98 m-Xylene & p-Xylene	106	8.091	8.092	-0.001	98	94222	20.0	18.9	
99 n-Butyl acrylate	73	8.299	8.299	0.000	98	31579	20.0	17.0	
100 o-Xylene	106	8.341	8.341	0.000	94	101723	20.0	19.6	
101 Styrene	104	8.360	8.360	0.000	96	141799	20.0	18.3	
102 Amyl acetate (mixed isomers)	43	8.427	8.427	0.000	92	82348	20.0	18.3	
103 Bromoform	173	8.500	8.500	0.000	97	29857	20.0	18.0	
104 Isopropylbenzene	105	8.549	8.549	0.000	95	267241	20.0	20.6	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	93	167923	50.0	48.6	
106 1,1,2,2-Tetrachloroethane	83	8.762	8.762	0.000	98	64181	20.0	18.9	
107 Bromobenzene	156	8.768	8.768	0.000	98	63443	20.0	18.3	
108 N-Propylbenzene	91	8.786	8.786	0.000	99	287497	20.0	19.9	
109 trans-1,4-Dichloro-2-butene	53	8.799	8.799	0.000	75	15837	20.0	17.5	
110 1,2,3-Trichloropropane	110	8.799	8.799	0.000	96	18460	20.0	18.2	
111 4-Ethyltoluene	105	8.847	8.847	0.000	98	240501	20.0	20.0	
112 2-Chlorotoluene	91	8.859	8.860	-0.001	96	229815	20.0	19.6	
113 1,3,5-Trimethylbenzene	105	8.878	8.878	0.000	93	230395	20.0	20.4	
114 Butyl Methacrylate	87	8.908	8.908	0.000	89	68049	20.0	18.1	
115 4-Chlorotoluene	91	8.920	8.921	-0.001	98	173260	20.0	19.0	
116 tert-Butylbenzene	119	9.061	9.061	0.000	95	200924	20.0	20.6	
117 1,2,4-Trimethylbenzene	105	9.091	9.091	0.000	97	232805	20.0	20.1	
118 sec-Butylbenzene	105	9.183	9.183	0.000	99	294236	20.0	21.3	
119 4-Isopropyltoluene	119	9.256	9.256	0.000	98	251421	20.0	21.0	
120 1,3-Dichlorobenzene	146	9.286	9.286	0.000	97	124661	20.0	19.1	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	94	218117	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.341	9.341	0.000	72	127291	20.0	19.4	
123 1,2,3-Trimethylbenzene	105	9.341	9.341	0.000	97	261452	20.0	21.3	
124 Benzyl chloride	91	9.426	9.427	-0.001	99	126542	20.0	19.3	
125 2,3-Dihydroindene	117	9.475	9.475	0.000	93	264592	20.0	21.0	
126 p-Diethylbenzene	119	9.481	9.481	0.000	96	166086	20.0	23.6	
127 n-Butylbenzene	92	9.500	9.500	0.000	98	130953	20.0	20.0	
128 1,2-Dichlorobenzene	146	9.573	9.573	0.000	97	134494	20.0	19.5	
129 1,2,4,5-Tetramethylbenzene	119	9.987	9.987	0.000	97	264094	20.0	21.8	
130 1,2-Dibromo-3-Chloropropane	75	10.097	10.097	0.000	95	13808	20.0	17.2	
131 1,3,5-Trichlorobenzene	180	10.195	10.195	0.000	97	125960	20.0	21.9	
132 1,2,4-Trichlorobenzene	180	10.701	10.701	0.000	93	127932	20.0	22.4	
133 Hexachlorobutadiene	225	10.774	10.774	0.000	98	61176	20.0	21.2	
134 Naphthalene	128	10.938	10.939	-0.001	99	299699	20.0	23.1	
135 1,2,3-Trichlorobenzene	180	11.164	11.158	0.006	95	122619	20.0	23.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	38.9	
S 137 Xylenes, Total	100				0		40.0	38.5	
S 138 Total BTEX	1				0		100.0	97.3	
S 139 1,3-Dichloropropene, Total	100				0		40.0	36.9	

Reagents:

GAS C SP_00402	Amount Added: 20.00	Units: uL	
ACROLEIN SP_00123	Amount Added: 4.00	Units: uL	
8FreonsSS_00030	Amount Added: 20.00	Units: uL	
8260 SP_00137	Amount Added: 20.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Chrom Revision: 2.3 05-Feb-2021 00:13:28

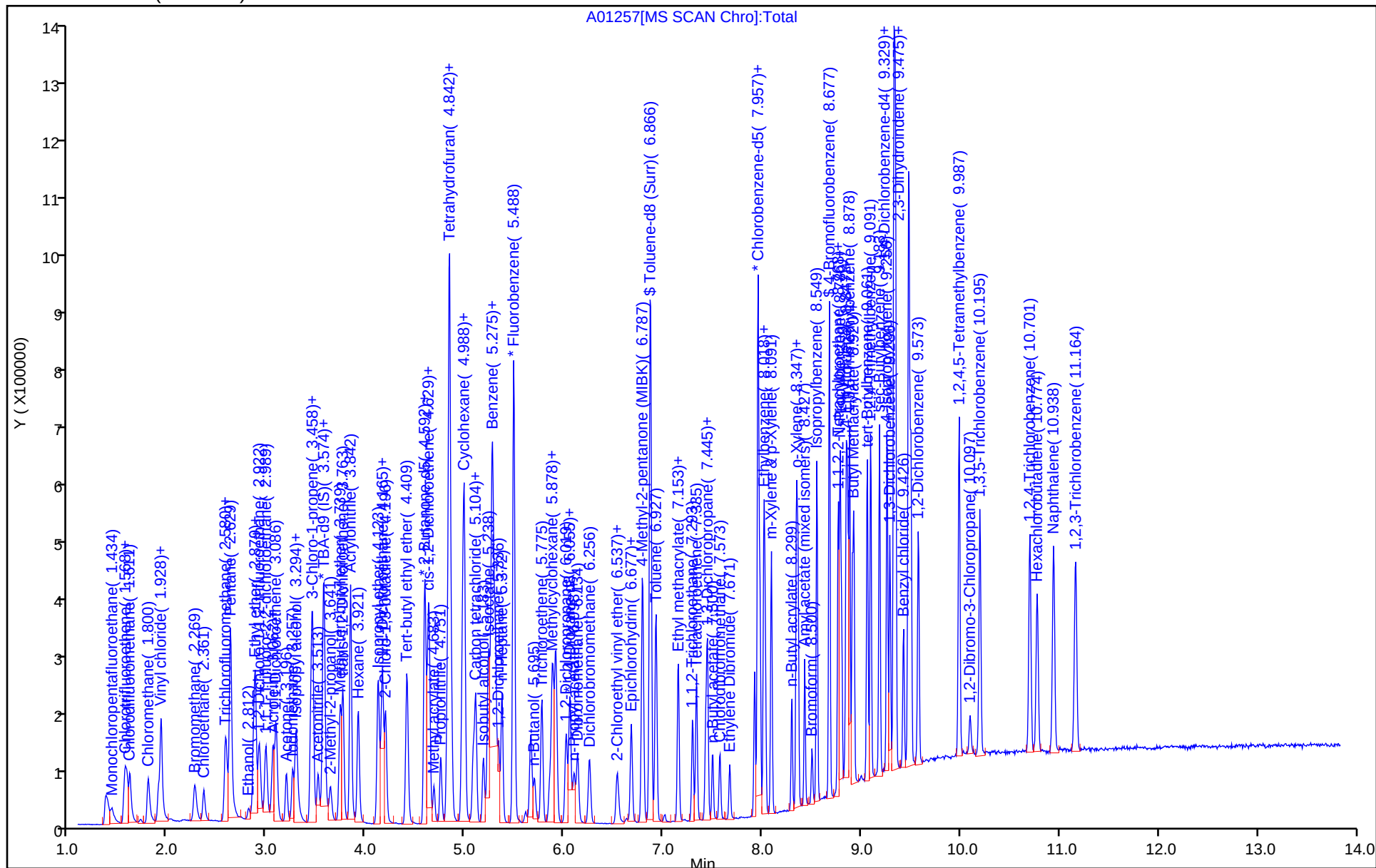
Operator ID: VOA GC/MS1

Worklist Smp#: 16

ALS Bottle#: 15

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-769671/4 Calibration Date: 04/06/2021 08:07
 Instrument ID: CVOAMS1 Calib Start Date: 03/30/2021 02:38
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/30/2021 05:21
 Lab File ID: A01595.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	0.3634	0.4207	0.1000	23.2	20.0	15.8	20.0
Chloromethane	Ave	0.4217	0.4924	0.1000	23.4	20.0	16.8	20.0
Vinyl chloride	Ave	0.3752	0.4287	0.1000	22.9	20.0	14.3	20.0
Butadiene	Ave	0.2870	0.4163		29.0	20.0	45.0*	20.0
Bromomethane	QuaF		0.2268	0.1000	18.2	20.0	-8.9	50.0
Chloroethane	Ave	0.2003	0.2319	0.1000	23.2	20.0	15.8	50.0
Dichlorofluoromethane	Ave	0.4696	0.4976		21.2	20.0	6.0	20.0
Trichlorofluoromethane	Ave	0.3616	0.3787	0.1000	20.9	20.0	4.7	20.0
Pentane	Ave	1.529	1.852		48.4	40.0	21.1*	20.0
Ethanol	Ave	0.0533	0.0603		905	800	13.1	50.0
Ethyl ether	Ave	0.2381	0.2674		22.5	20.0	12.3	20.0
2-Methyl-1,3-butadiene	Ave	0.2415	0.2973		24.6	20.0	23.1*	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2333	0.2550	0.1000	21.9	20.0	9.3	20.0
Acrolein	Ave	1.039	1.344		51.8	40.0	29.4	50.0
1,1-Dichloroethene	Ave	0.2504	0.2557	0.1000	20.4	20.0	2.1	20.0
Acetone	Ave	0.2607	0.2297	0.0500	88.1	100	-11.9	50.0
Iodomethane	Ave	0.4502	0.4031		17.9	20.0	-10.5	20.0
Carbon disulfide	Ave	0.9482	1.026	0.1000	21.6	20.0	8.2	50.0
Isopropyl alcohol	Ave	0.6337	0.7317		231	200	15.5	50.0
3-Chloro-1-propene	Ave	0.1811	0.1805		19.9	20.0	-0.4	20.0
Methyl acetate	Ave	0.2178	0.2705	0.1000	49.7	40.0	24.2*	20.0
Cyclopentene	Ave	0.6624	0.7814		23.6	20.0	18.0	20.0
Acetonitrile	Ave	1.014	1.539		303	200	51.7*	20.0
Methylene Chloride	Ave	0.2998	0.3107	0.1000	20.7	20.0	3.7	20.0
2-Methyl-2-propanol	Ave	1.040	1.098		211	200	5.7	50.0
Methyl tert-butyl ether	Ave	0.8233	0.8905	0.1000	21.6	20.0	8.2	20.0
trans-1,2-Dichloroethene	Ave	0.2914	0.2913	0.1000	20.0	20.0	-0.0	20.0
Acrylonitrile	Ave	0.1107	0.1363		246	200	23.2*	20.0
Hexane	Ave	0.2183	0.2996		27.4	20.0	37.2*	20.0
Isopropyl ether	Ave	0.8298	1.045		25.2	20.0	25.9*	20.0
1,1-Dichloroethane	Ave	0.4970	0.5669	0.2000	22.8	20.0	14.1	20.0
Vinyl acetate	Ave	2.003	2.077		41.5	40.0	3.7	20.0
2-Chloro-1,3-butadiene	Ave	0.2433	0.2585		21.3	20.0	6.3	20.0
Tert-butyl ethyl ether	Ave	0.8444	0.9793		23.2	20.0	16.0	20.0
2,2-Dichloropropane	Ave	0.0858	0.0907		21.1	20.0	5.7	20.0
cis-1,2-Dichloroethene	Ave	0.3125	0.3126	0.1000	20.0	20.0	0.0	20.0
2-Butanone (MEK)	Ave	0.2980	0.2521	0.0500	84.6	100	-15.4	50.0
Ethyl acetate	Ave	0.2629	0.2397		36.5	40.0	-8.8	20.0
Methyl acrylate	Ave	0.2347	0.2829		24.1	20.0	20.6*	20.0
Propionitrile	Ave	1.519	1.715		226	200	12.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Lab Sample ID: CCVIS 460-769671/4 Calibration Date: 04/06/2021 08:07

Instrument ID: CVOAMS1 Calib Start Date: 03/30/2021 02:38

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/30/2021 05:21

Lab File ID: A01595.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	0.1556	0.1489		19.1	20.0	-4.3	20.0
Tetrahydrofuran	Ave	0.3247	0.2990		36.8	40.0	-7.9	20.0
Methacrylonitrile	Ave	0.1136	0.1364		240	200	20.1*	20.0
Chloroform	Ave	0.4674	0.4899	0.2000	21.0	20.0	4.8	20.0
Cyclohexane	Ave	0.4597	0.5740	0.1000	25.0	20.0	24.9	50.0
1,1,1-Trichloroethane	Ave	0.3833	0.3949	0.1000	20.6	20.0	3.0	20.0
Carbon tetrachloride	Ave	0.3068	0.3165	0.1000	20.6	20.0	3.2	20.0
1,1-Dichloropropene	Ave	0.3697	0.4013		21.7	20.0	8.5	20.0
Isobutyl alcohol	Ave	0.3882	0.4436		571	500	14.3	50.0
Isooctane	Ave	0.8993	1.261		28.0	20.0	40.2*	20.0
Benzene	Ave	1.659	1.962	0.5000	23.7	20.0	18.3	20.0
Isopropyl acetate	QuaF		0.1308		22.2	20.0	11.0	20.0
Tert-amyl methyl ether	Ave	0.2631	0.2698		20.5	20.0	2.5	20.0
1,2-Dichloroethane	Ave	0.3431	0.3820	0.1000	22.3	20.0	11.3	20.0
n-Heptane	QuaF		0.2821		20.0	20.0	0.0	20.0
n-Butanol	Ave	0.2557	0.2760		540	500	8.0	50.0
Trichloroethene (TCE)	Ave	0.2786	0.2814	0.2000	20.2	20.0	1.0	20.0
Ethyl acrylate	QuaF		0.2959		11.4	20.0	-42.9*	20.0
Methylcyclohexane	Ave	0.4515	0.5372	0.1000	23.8	20.0	19.0	50.0
1,2-Dichloropropane	Ave	0.2563	0.2948	0.1000	23.0	20.0	15.0	20.0
Methyl methacrylate	Ave	0.0617	0.0582		37.7	40.0	-5.7	20.0
n-Propyl acetate	Ave	0.3021	0.3549		23.5	20.0	17.5	20.0
1,4-Dioxane	Ave	1.013	1.173		463	400	15.8	50.0
Dibromomethane	Ave	0.1662	0.1719		20.7	20.0	3.5	20.0
Dichlorobromomethane	Ave	0.3227	0.3406	0.2000	21.1	20.0	5.5	20.0
2-Chloroethyl vinyl ether	Ave	0.1356	0.1392		20.6	20.0	2.7	20.0
2-Nitropropane	QuaF		0.0624		62.9	40.0	57.2*	20.0
Epichlorohydrin	Ave	0.2065	0.1977		383	400	-4.2	20.0
cis-1,3-Dichloropropene	Ave	0.6115	0.7188	0.2000	23.5	20.0	17.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.846	1.985	0.0500	108	100	7.5	50.0
Toluene	Ave	1.545	1.745	0.4000	22.6	20.0	13.0	20.0
Ethyl methacrylate	Ave	0.2716	0.2770		20.4	20.0	2.0	20.0
trans-1,3-Dichloropropene	Ave	0.5116	0.5906	0.1000	23.1	20.0	15.4	50.0
1,1,2-Trichloroethane	Ave	0.2645	0.2998	0.1000	22.7	20.0	13.3	20.0
Tetrachloroethene	Ave	0.4083	0.3912	0.2000	19.2	20.0	-4.2	20.0
1,3-Dichloropropane	Ave	0.5325	0.5971		22.4	20.0	12.1	20.0
2-Hexanone	Ave	1.080	1.090	0.0500	101	100	0.9	50.0
n-Butyl acetate	Ave	0.0893	0.0951		21.3	20.0	6.4	20.0
Chlorodibromomethane	Ave	0.3209	0.3328	0.1000	20.7	20.0	3.7	50.0
Ethylene Dibromide	Ave	0.3220	0.3370	0.1000	20.9	20.0	4.6	20.0
Chlorobenzene	Ave	0.9617	1.013	0.5000	21.1	20.0	5.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Lab Sample ID: CCVIS 460-769671/4 Calibration Date: 04/06/2021 08:07

Instrument ID: CVOAMS1 Calib Start Date: 03/30/2021 02:38

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/30/2021 05:21

Lab File ID: A01595.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
Ethylbenzene	Ave	0.5187	0.5425	0.1000	20.9	20.0	4.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3680	0.3781		20.6	20.0	2.8	20.0
m-Xylene & p-Xylene	Ave	0.6454	0.6666	0.1000	20.7	20.0	3.3	20.0
n-Butyl acrylate	Ave	0.2397	0.2424		20.2	20.0	1.1	20.0
o-Xylene	Ave	0.6703	0.7031	0.3000	21.0	20.0	4.9	20.0
Styrene	Ave	1.000	1.027	0.3000	20.5	20.0	2.7	20.0
Amyl acetate (mixed isomers)	Ave	1.033	1.485		28.8	20.0	43.8*	20.0
Bromoform	Ave	0.2145	0.2179	0.1000	20.3	20.0	1.6	20.0
Isopropylbenzene	Ave	1.674	1.866	0.1000	22.3	20.0	11.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7782	0.9640	0.3000	24.8	20.0	23.9*	20.0
Bromobenzene	Ave	0.7939	0.7924		20.0	20.0	-0.2	20.0
N-Propylbenzene	Ave	3.305	4.195		25.4	20.0	26.9*	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2076	0.2653		25.6	20.0	27.8*	20.0
1,2,3-Trichloropropane	Ave	0.2331	0.2583		22.2	20.0	10.8	20.0
4-Ethyltoluene	Ave	2.759	3.579		25.9	20.0	29.7*	20.0
2-Chlorotoluene	Ave	2.684	3.162		23.6	20.0	17.8	20.0
1,3,5-Trimethylbenzene	Ave	2.587	3.050		23.6	20.0	17.9	20.0
Butyl Methacrylate	Ave	0.8608	1.002		23.3	20.0	16.4	20.0
4-Chlorotoluene	Ave	2.091	2.416		23.1	20.0	15.6	20.0
tert-Butylbenzene	Ave	2.240	2.597		23.2	20.0	15.9	20.0
1,2,4-Trimethylbenzene	Ave	2.658	3.072		23.1	20.0	15.6	20.0
sec-Butylbenzene	Ave	3.167	3.963		25.0	20.0	25.1*	20.0
4-Isopropyltoluene	Ave	2.740	3.210		23.4	20.0	17.1	20.0
1,3-Dichlorobenzene	Ave	1.499	1.560	0.6000	20.8	20.0	4.0	20.0
1,2,3-Trimethylbenzene	Ave	2.811	3.373		24.0	20.0	20.0	20.0
1,4-Dichlorobenzene	Ave	1.502	1.591	0.5000	21.2	20.0	5.9	20.0
Benzyl chloride	Ave	1.502	1.859		24.8	20.0	23.8	50.0
Indan	Ave	2.887	3.396		23.5	20.0	17.6	20.0
p-Diethylbenzene	Ave	1.612	1.844		22.9	20.0	14.4	20.0
n-Butylbenzene	Ave	1.504	1.836		24.4	20.0	22.1*	20.0
1,2-Dichlorobenzene	Ave	1.582	1.666	0.4000	21.1	20.0	5.3	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.774	3.270		23.6	20.0	17.9	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1838	0.2124	0.0500	23.1	20.0	15.5	50.0
1,3,5-Trichlorobenzene	Ave	1.321	1.383		20.9	20.0	4.7	20.0
1,2,4-Trichlorobenzene	Ave	1.309	1.384	0.2000	21.2	20.0	5.8	20.0
Hexachlorobutadiene	Ave	0.6605	0.6620		20.0	20.0	0.2	20.0
Naphthalene	Ave	2.973	3.442		23.2	20.0	15.8	50.0
1,2,3-Trichlorobenzene	Ave	1.194	1.283		21.5	20.0	7.4	20.0
Dibromofluoromethane (Surr)	Ave	0.2638	0.2632		49.9	50.0	-0.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2969	0.3324		56.0	50.0	12.0	20.0
Toluene-d8 (Surr)	Ave	1.412	1.536		54.4	50.0	8.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Lab Sample ID: CCVIS 460-769671/4 Calibration Date: 04/06/2021 08:07
Instrument ID: CVOAMS1 Calib Start Date: 03/30/2021 02:38
GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/30/2021 05:21
Lab File ID: A01595.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	0.4466	0.4057		45.4	50.0	-9.2	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01595.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 06-Apr-2021 08:07:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 460-0126577-004
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub49
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 12:21:01 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1669

First Level Reviewer: asfawa

Date: 07-Apr-2021 12:21:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.587	1.587	0.000	99	115228	20.0	23.2	
6 Chloromethane	50	1.800	1.800	0.000	99	134857	20.0	23.4	
7 Vinyl chloride	62	1.904	1.904	0.000	98	117405	20.0	22.9	
8 Butadiene	39	1.928	1.928	0.000	99	114019	20.0	29.0	
9 Bromomethane	94	2.269	2.269	0.000	99	62106	20.0	18.2	
10 Chloroethane	64	2.361	2.361	0.000	100	63514	20.0	23.2	
11 Dichlorofluoromethane	67	2.580	2.580	0.000	97	136281	20.0	21.2	
12 Trichlorofluoromethane	101	2.580	2.580	0.000	61	103704	20.0	20.9	
13 Pentane	72	2.629	2.629	0.000	96	30054	40.0	48.4	
14 Ethanol	46	2.812	2.812	0.000	97	19569	800.0	905.2	
15 Ethyl ether	59	2.861	2.861	0.000	94	73225	20.0	22.5	
16 2-Methyl-1,3-butadiene	53	2.879	2.879	0.000	95	81417	20.0	24.6	
19 Acrolein	56	3.056	3.056	0.000	95	21814	40.0	51.8	
20 112TCTFE	101	3.056	3.056	0.000	97	69840	20.0	21.9	
21 1,1-Dichloroethene	96	3.092	3.092	0.000	96	70026	20.0	20.4	
22 Acetone	58	3.196	3.196	0.000	87	43235	100.0	88.1	
23 Iodomethane	142	3.257	3.257	0.000	98	110388	20.0	17.9	
24 Isopropyl alcohol	45	3.294	3.294	0.000	42	59384	200.0	230.9	
25 Carbon disulfide	76	3.294	3.294	0.000	99	281095	20.0	21.6	
26 3-Chloro-1-propene	76	3.440	3.440	0.000	90	49426	20.0	19.9	
27 Methyl acetate	43	3.452	3.452	0.000	98	148162	40.0	49.7	
28 Cyclopentene	67	3.458	3.458	0.000	93	214009	20.0	23.6	
29 Acetonitrile	41	3.513	3.513	0.000	99	124916	200.0	303.5	
* 30 TBA-d9 (IS)	65	3.568	3.568	0.000	83	405805	1000.0	1000.0	
31 Methylene Chloride	84	3.574	3.574	0.000	93	85100	20.0	20.7	
32 2-Methyl-2-propanol	59	3.641	3.641	0.000	99	89155	200.0	211.3	
33 Methyl tert-butyl ether	73	3.739	3.739	0.000	98	243875	20.0	21.6	
34 trans-1,2-Dichloroethene	96	3.763	3.763	0.000	97	79783	20.0	20.0	
35 Acrylonitrile	53	3.842	3.842	0.000	95	373416	200.0	246.3	
36 Hexane	43	3.922	3.922	0.000	94	82056	20.0	27.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Isopropyl ether	45	4.123	4.123	0.000	98	286154	20.0	25.2	
38 1,1-Dichloroethane	63	4.153	4.153	0.000	99	155271	20.0	22.8	
39 Vinyl acetate	86	4.165	4.165	0.000	100	33711	40.0	41.5	
40 2-Chloro-1,3-butadiene	88	4.196	4.196	0.000	92	70797	20.0	21.3	
41 Tert-butyl ethyl ether	59	4.409	4.409	0.000	89	268208	20.0	23.2	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	94	470619	250.0	250.0	
43 2,2-Dichloropropane	97	4.598	4.598	0.000	96	24843	20.0	21.1	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	93	85606	20.0	20.0	
46 Ethyl acetate	70	4.635	4.635	0.000	95	18048	40.0	36.5	
45 2-Butanone (MEK)	72	4.635	4.635	0.000	96	47454	100.0	84.6	
47 Methyl acrylate	55	4.684	4.684	0.000	99	77486	20.0	24.1	
48 Propionitrile	54	4.751	4.751	0.000	99	139200	200.0	225.8	
50 Chlorobromomethane	128	4.818	4.818	0.000	97	40767	20.0	19.1	
49 Tetrahydrofuran	72	4.818	4.818	0.000	74	22512	40.0	36.8	
51 Methacrylonitrile	67	4.842	4.842	0.000	93	373570	200.0	240.2	
52 Chloroform	83	4.860	4.860	0.000	98	134166	20.0	21.0	
53 Cyclohexane	56	4.970	4.970	0.000	94	157208	20.0	25.0	
54 1,1,1-Trichloroethane	97	4.982	4.982	0.000	98	108161	20.0	20.6	
\$ 55 Dibromofluoromethane (Surr)	113	4.988	4.988	0.000	97	180193	50.0	49.9	
56 Carbon tetrachloride	117	5.080	5.080	0.000	97	86690	20.0	20.6	
57 1,1-Dichloropropene	75	5.104	5.104	0.000	96	109894	20.0	21.7	
58 Isobutyl alcohol	43	5.184	5.184	0.000	94	90006	500.0	571.4	
59 Isooctane	57	5.232	5.232	0.000	99	345343	20.0	28.0	
60 Benzene	78	5.269	5.269	0.000	96	327956	20.0	23.7	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	87	227615	50.0	56.0	
62 Isopropyl acetate	61	5.287	5.287	0.000	97	35812	20.0	22.2	
63 Tert-amyl methyl ether	87	5.299	5.299	0.000	93	73884	20.0	20.5	
64 1,2-Dichloroethane	62	5.336	5.336	0.000	96	104629	20.0	22.3	
65 n-Heptane	71	5.372	5.372	0.000	95	77274	20.0	20.0	
* 66 Fluorobenzene	96	5.488	5.488	0.000	98	684694	50.0	50.0	
67 n-Butanol	56	5.702	5.702	0.000	92	56006	500.0	539.8	
68 Trichloroethene	95	5.775	5.775	0.000	98	77081	20.0	20.2	
69 Ethyl acrylate	55	5.854	5.854	0.000	1	81051	20.0	11.4	a
70 Methylcyclohexane	83	5.878	5.878	0.000	91	147139	20.0	23.8	
71 1,2-Dichloropropane	63	6.019	6.019	0.000	94	80747	20.0	23.0	
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	94	34562	1000.0	1000.0	
72 Methyl methacrylate	100	6.055	6.055	0.000	92	31876	40.0	37.7	
74 n-Propyl acetate	43	6.098	6.098	0.000	98	97211	20.0	23.5	
75 1,4-Dioxane	88	6.104	6.104	0.000	27	16214	400.0	463.1	
76 Dibromomethane	93	6.135	6.135	0.000	98	47078	20.0	20.7	
77 Dichlorobromomethane	83	6.250	6.250	0.000	99	93288	20.0	21.1	
78 2-Chloroethyl vinyl ether	63	6.531	6.531	0.000	88	38219	20.0	20.6	
79 2-Nitropropane	41	6.543	6.543	0.000	89	34168	40.0	62.9	
80 Epichlorohydrin	57	6.628	6.628	0.000	98	148882	400.0	383.1	
81 cis-1,3-Dichloropropene	75	6.677	6.677	0.000	94	120137	20.0	23.5	
82 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	97	373723	100.0	107.5	
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	99	641675	50.0	54.4	
84 Toluene	91	6.927	6.927	0.000	94	291585	20.0	22.6	
85 Ethyl methacrylate	69	7.147	7.147	0.000	74	75862	20.0	20.4	
86 trans-1,3-Dichloropropene	75	7.153	7.153	0.000	92	98704	20.0	23.1	
87 1,1,2-Trichloroethane	83	7.293	7.293	0.000	96	50106	20.0	22.7	
88 Tetrachloroethene	166	7.336	7.336	0.000	99	65376	20.0	19.2	

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	7.427	7.427	0.000	96	99798	20.0	22.4	
90 2-Hexanone	43	7.445	7.445	0.000	97	205138	100.0	100.9	
91 n-Butyl acetate	73	7.500	7.500	0.000	98	15890	20.0	21.3	
92 Chlorodibromomethane	129	7.573	7.573	0.000	98	55630	20.0	20.7	
93 Ethylene Dibromide	107	7.671	7.671	0.000	99	56319	20.0	20.9	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	88	417832	50.0	50.0	
95 Chlorobenzene	112	7.976	7.976	0.000	94	169252	20.0	21.1	
96 Ethylbenzene	106	8.018	8.018	0.000	99	90662	20.0	20.9	
97 1,1,1,2-Tetrachloroethane	131	8.031	8.031	0.000	95	63193	20.0	20.6	
98 m-Xylene & p-Xylene	106	8.091	8.091	0.000	99	111411	20.0	20.7	
99 n-Butyl acrylate	73	8.299	8.299	0.000	97	40516	20.0	20.2	
100 o-Xylene	106	8.348	8.348	0.000	94	117503	20.0	21.0	
101 Styrene	104	8.360	8.360	0.000	94	171641	20.0	20.5	
102 Amyl acetate (mixed isomers)	43	8.427	8.427	0.000	91	128832	20.0	28.8	
103 Bromoform	173	8.500	8.500	0.000	96	36413	20.0	20.3	
104 Isopropylbenzene	105	8.549	8.549	0.000	97	311812	20.0	22.3	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	86	169535	50.0	45.4	
106 1,1,2,2-Tetrachloroethane	83	8.762	8.762	0.000	98	83617	20.0	24.8	
107 Bromobenzene	156	8.768	8.768	0.000	97	68736	20.0	20.0	
108 N-Propylbenzene	91	8.786	8.786	0.000	99	363844	20.0	25.4	
109 trans-1,4-Dichloro-2-butene	53	8.799	8.799	0.000	71	23017	20.0	25.6	
110 1,2,3-Trichloropropane	110	8.805	8.805	0.000	90	22410	20.0	22.2	
111 4-Ethyltoluene	105	8.847	8.847	0.000	99	310424	20.0	25.9	
112 2-Chlorotoluene	91	8.860	8.860	0.000	97	274253	20.0	23.6	
113 1,3,5-Trimethylbenzene	105	8.884	8.884	0.000	92	264523	20.0	23.6	
114 Butyl Methacrylate	87	8.914	8.914	0.000	91	86927	20.0	23.3	
115 4-Chlorotoluene	91	8.927	8.927	0.000	98	209561	20.0	23.1	
116 tert-Butylbenzene	119	9.061	9.061	0.000	93	225234	20.0	23.2	
117 1,2,4-Trimethylbenzene	105	9.097	9.097	0.000	98	266447	20.0	23.1	
118 sec-Butylbenzene	105	9.189	9.189	0.000	99	343750	20.0	25.0	
119 4-Isopropyltoluene	119	9.262	9.262	0.000	98	278425	20.0	23.4	
120 1,3-Dichlorobenzene	146	9.292	9.292	0.000	95	135276	20.0	20.8	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	98	216857	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.347	9.347	0.000	78	137982	20.0	21.2	
123 1,2,3-Trimethylbenzene	105	9.347	9.347	0.000	99	292558	20.0	24.0	
124 Benzyl chloride	91	9.427	9.427	0.000	98	161228	20.0	24.8	
125 2,3-Dihydroindene	117	9.475	9.475	0.000	92	294544	20.0	23.5	
126 p-Diethylbenzene	119	9.481	9.481	0.000	91	159924	20.0	22.9	
127 n-Butylbenzene	92	9.500	9.500	0.000	98	159276	20.0	24.4	
128 1,2-Dichlorobenzene	146	9.579	9.579	0.000	95	144507	20.0	21.1	
129 1,2,4,5-Tetramethylbenzene	119	9.994	9.994	0.000	97	283675	20.0	23.6	
130 1,2-Dibromo-3-Chloropropane	75	10.097	10.097	0.000	95	18421	20.0	23.1	
131 1,3,5-Trichlorobenzene	180	10.201	10.201	0.000	97	119964	20.0	20.9	
132 1,2,4-Trichlorobenzene	180	10.707	10.707	0.000	93	120069	20.0	21.2	
133 Hexachlorobutadiene	225	10.780	10.780	0.000	96	57425	20.0	20.0	
134 Naphthalene	128	10.945	10.945	0.000	99	298590	20.0	23.2	
135 1,2,3-Trichlorobenzene	180	11.164	11.164	0.000	95	111261	20.0	21.5	
S 136 1,2-Dichloroethene, Total	100				0		40.0	40.0	
S 137 Xylenes, Total	100				0		40.0	41.6	
S 138 Total BTEX	1				0		100.0	108.8	
S 139 1,3-Dichloropropene, Total	100				0		40.0	46.6	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00121	Amount Added: 4.00	Units: uL	
GASES Li_00414	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00134	Amount Added: 20.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01595.D

Injection Date: 06-Apr-2021 08:07:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: CCVIS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

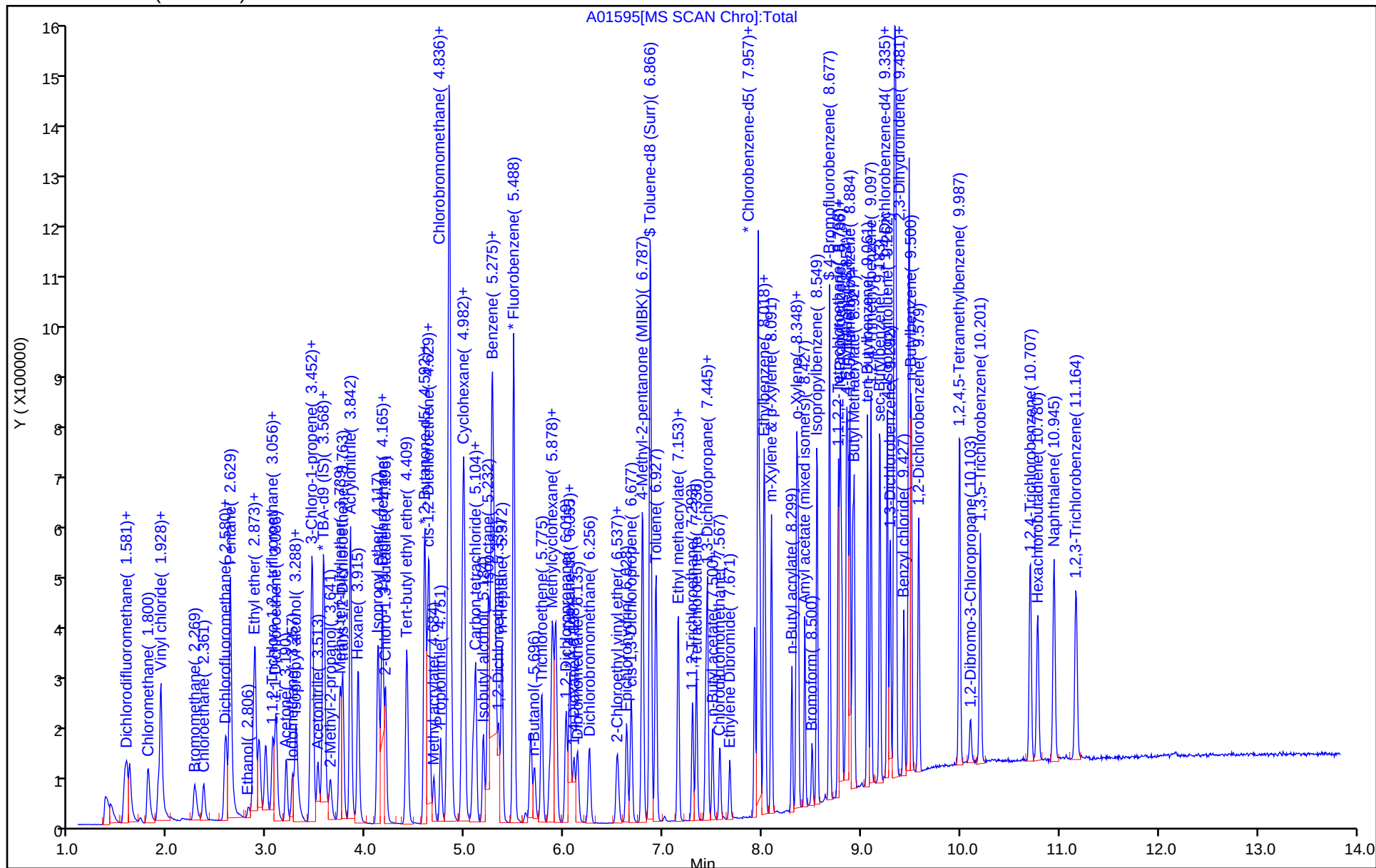
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Lab Sample ID: CCVIS 460-769803/3 Calibration Date: 04/06/2021 19:58

Instrument ID: CVOAMS1 Calib Start Date: 03/30/2021 02:38

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/30/2021 05:21

Lab File ID: A01621.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	0.3634	0.3724	0.1000	20.5	20.0	2.5	20.0
Chloromethane	Ave	0.4217	0.5344	0.1000	25.3	20.0	26.7*	20.0
Vinyl chloride	Ave	0.3752	0.4653	0.1000	24.8	20.0	24.0*	20.0
Butadiene	Ave	0.2870	0.4480		31.2	20.0	56.1*	20.0
Bromomethane	QuaF		0.2520	0.1000	20.3	20.0	1.5	50.0
Chloroethane	Ave	0.2003	0.2531	0.1000	25.3	20.0	26.3	50.0
Dichlorofluoromethane	Ave	0.4696	0.5732		24.4	20.0	22.1*	20.0
Trichlorofluoromethane	Ave	0.3616	0.3772	0.1000	20.9	20.0	4.3	20.0
Pentane	Ave	1.529	1.889		49.4	40.0	23.5*	20.0
Ethanol	Ave	0.0533	0.0567		852	800	6.5	50.0
Ethyl ether	Ave	0.2381	0.2795		23.5	20.0	17.4	20.0
2-Methyl-1,3-butadiene	Ave	0.2415	0.3015		25.0	20.0	24.8*	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2333	0.2655	0.1000	22.8	20.0	13.8	20.0
Acrolein	Ave	1.039	1.621		62.4	40.0	56.1*	50.0
1,1-Dichloroethene	Ave	0.2504	0.2726	0.1000	21.8	20.0	8.9	20.0
Acetone	Ave	0.2607	0.2485	0.0500	95.3	100	-4.7	50.0
Iodomethane	Ave	0.4502	0.4355		19.3	20.0	-3.3	20.0
Isopropyl alcohol	Ave	0.6337	0.6537		206	200	3.2	50.0
Carbon disulfide	Ave	0.9482	1.101	0.1000	23.2	20.0	16.2	50.0
3-Chloro-1-propene	Ave	0.1811	0.2032		22.4	20.0	12.2	20.0
Methyl acetate	Ave	0.2178	0.2674	0.1000	49.1	40.0	22.8*	20.0
Cyclopentene	Ave	0.6624	0.8243		24.9	20.0	24.4*	20.0
Acetonitrile	Ave	1.014	1.253		247	200	23.5*	20.0
Methylene Chloride	Ave	0.2998	0.3403	0.1000	22.7	20.0	13.5	20.0
2-Methyl-2-propanol	Ave	1.040	1.032		199	200	-0.7	50.0
Methyl tert-butyl ether	Ave	0.8233	0.9345	0.1000	22.7	20.0	13.5	20.0
trans-1,2-Dichloroethene	Ave	0.2914	0.3172	0.1000	21.8	20.0	8.9	20.0
Acrylonitrile	Ave	0.1107	0.1417		256	200	28.0*	20.0
Hexane	Ave	0.2183	0.2942		27.0	20.0	34.8*	20.0
Isopropyl ether	Ave	0.8298	1.086		26.2	20.0	30.9*	20.0
1,1-Dichloroethane	Ave	0.4970	0.6062	0.2000	24.4	20.0	22.0*	20.0
Vinyl acetate	Ave	2.003	2.170		43.3	40.0	8.3	20.0
2-Chloro-1,3-butadiene	Ave	0.2433	0.2675		22.0	20.0	10.0	20.0
Tert-butyl ethyl ether	Ave	0.8444	1.020		24.2	20.0	20.9*	20.0
2,2-Dichloropropane	Ave	0.0858	0.0982		22.9	20.0	14.5	20.0
cis-1,2-Dichloroethene	Ave	0.3125	0.3444	0.1000	22.0	20.0	10.2	20.0
2-Butanone (MEK)	Ave	0.2980	0.2511	0.0500	84.3	100	-15.7	50.0
Ethyl acetate	Ave	0.2629	0.2305		35.1	40.0	-12.3	20.0
Methyl acrylate	Ave	0.2347	0.2526		21.5	20.0	7.6	20.0
Propionitrile	Ave	1.519	1.708		225	200	12.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-769803/3 Calibration Date: 04/06/2021 19:58
 Instrument ID: CVOAMS1 Calib Start Date: 03/30/2021 02:38
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/30/2021 05:21
 Lab File ID: A01621.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	0.1556	0.1598		20.5	20.0	2.7	20.0
Tetrahydrofuran	Ave	0.3247	0.2935		36.2	40.0	-9.6	20.0
Methacrylonitrile	Ave	0.1136	0.1310		231	200	15.4	20.0
Chloroform	Ave	0.4674	0.5284	0.2000	22.6	20.0	13.0	20.0
Cyclohexane	Ave	0.4597	0.6042	0.1000	26.3	20.0	31.4	50.0
1,1,1-Trichloroethane	Ave	0.3833	0.4199	0.1000	21.9	20.0	9.6	20.0
Carbon tetrachloride	Ave	0.3068	0.3302	0.1000	21.5	20.0	7.6	20.0
1,1-Dichloropropene	Ave	0.3697	0.4105		22.2	20.0	11.0	20.0
Isobutyl alcohol	Ave	0.3882	0.3914		504	500	0.8	50.0
Isooctane	Ave	0.8993	1.286		28.6	20.0	43.0*	20.0
Benzene	Ave	1.659	2.195	0.5000	26.5	20.0	32.3*	20.0
Isopropyl acetate	QuaF		0.1181		20.0	20.0	0.2	20.0
Tert-amyl methyl ether	Ave	0.2631	0.2686		20.4	20.0	2.1	20.0
1,2-Dichloroethane	Ave	0.3431	0.3887	0.1000	22.7	20.0	13.3	20.0
n-Heptane	QuaF		0.2665		18.9	20.0	-5.5	20.0
n-Butanol	Ave	0.2557	0.2348		459	500	-8.2	50.0
Trichloroethene (TCE)	Ave	0.2786	0.2754	0.2000	19.8	20.0	-1.1	20.0
Ethyl acrylate	QuaF		0.2575		9.93	20.0	-50.3*	20.0
Methylcyclohexane	Ave	0.4515	0.5374	0.1000	23.8	20.0	19.0	50.0
1,2-Dichloropropane	Ave	0.2563	0.2835	0.1000	22.1	20.0	10.6	20.0
Methyl methacrylate	Ave	0.0617	0.0489		31.7	40.0	-20.8*	20.0
n-Propyl acetate	Ave	0.3021	0.2901		19.2	20.0	-4.0	20.0
1,4-Dioxane	Ave	1.013	1.126		445	400	11.1	50.0
Dibromomethane	Ave	0.1662	0.1739		20.9	20.0	4.7	20.0
Dichlorobromomethane	Ave	0.3227	0.3389	0.2000	21.0	20.0	5.0	20.0
2-Chloroethyl vinyl ether	Ave	0.1356	0.1218		18.0	20.0	-10.1	20.0
2-Nitropropane	QuaF		0.0564		57.0	40.0	42.5*	20.0
Epichlorohydrin	Ave	0.2065	0.1868		362	400	-9.5	20.0
cis-1,3-Dichloropropene	Ave	0.6115	0.7268	0.2000	23.8	20.0	18.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.846	1.894	0.0500	103	100	2.6	50.0
Toluene	Ave	1.545	1.798	0.4000	23.3	20.0	16.4	20.0
Ethyl methacrylate	Ave	0.2716	0.2406		17.7	20.0	-11.4	20.0
trans-1,3-Dichloropropene	Ave	0.5116	0.5739	0.1000	22.4	20.0	12.2	50.0
1,1,2-Trichloroethane	Ave	0.2645	0.2922	0.1000	22.1	20.0	10.4	20.0
Tetrachloroethene	Ave	0.4083	0.3976	0.2000	19.5	20.0	-2.6	20.0
1,3-Dichloropropane	Ave	0.5325	0.5928		22.3	20.0	11.3	20.0
2-Hexanone	Ave	1.080	0.9646	0.0500	89.3	100	-10.7	50.0
n-Butyl acetate	Ave	0.0893	0.0924		20.7	20.0	3.4	20.0
Chlorodibromomethane	Ave	0.3209	0.3415	0.1000	21.3	20.0	6.4	50.0
Ethylene Dibromide	Ave	0.3220	0.3301	0.1000	20.5	20.0	2.5	20.0
Chlorobenzene	Ave	0.9617	1.008	0.5000	21.0	20.0	4.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-769803/3 Calibration Date: 04/06/2021 19:58
 Instrument ID: CVOAMS1 Calib Start Date: 03/30/2021 02:38
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/30/2021 05:21
 Lab File ID: A01621.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
Ethylbenzene	Ave	0.5187	0.5626	0.1000	21.7	20.0	8.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3680	0.4118		22.4	20.0	11.9	20.0
m-Xylene & p-Xylene	Ave	0.6454	0.6872	0.1000	21.3	20.0	6.5	20.0
n-Butyl acrylate	Ave	0.2397	0.2448		20.4	20.0	2.1	20.0
o-Xylene	Ave	0.6703	0.7739	0.3000	23.1	20.0	15.5	20.0
Styrene	Ave	1.000	1.054	0.3000	21.1	20.0	5.4	20.0
Amyl acetate (mixed isomers)	Ave	1.033	1.378		26.7	20.0	33.4*	20.0
Bromoform	Ave	0.2145	0.2140	0.1000	20.0	20.0	-0.2	20.0
Isopropylbenzene	Ave	1.674	1.994	0.1000	23.8	20.0	19.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7782	0.9265	0.3000	23.8	20.0	19.1	20.0
Bromobenzene	Ave	0.7939	0.7857		19.8	20.0	-1.0	20.0
N-Propylbenzene	Ave	3.305	4.151		25.1	20.0	25.6*	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2076	0.2417		23.3	20.0	16.4	20.0
1,2,3-Trichloropropane	Ave	0.2331	0.2464		21.1	20.0	5.7	20.0
4-Ethyltoluene	Ave	2.759	3.266		23.7	20.0	18.4	20.0
2-Chlorotoluene	Ave	2.684	3.212		23.9	20.0	19.7	20.0
1,3,5-Trimethylbenzene	Ave	2.587	3.076		23.8	20.0	18.9	20.0
Butyl Methacrylate	Ave	0.8608	0.9646		22.4	20.0	12.1	20.0
4-Chlorotoluene	Ave	2.091	2.436		23.3	20.0	16.5	20.0
tert-Butylbenzene	Ave	2.240	2.536		22.6	20.0	13.2	20.0
1,2,4-Trimethylbenzene	Ave	2.658	3.082		23.2	20.0	15.9	20.0
sec-Butylbenzene	Ave	3.167	3.952		25.0	20.0	24.8*	20.0
4-Isopropyltoluene	Ave	2.740	3.241		23.7	20.0	18.3	20.0
1,3-Dichlorobenzene	Ave	1.499	1.577	0.6000	21.0	20.0	5.2	20.0
1,2,3-Trimethylbenzene	Ave	2.811	3.377		24.0	20.0	20.1*	20.0
1,4-Dichlorobenzene	Ave	1.502	1.585	0.5000	21.1	20.0	5.6	20.0
Benzyl chloride	Ave	1.502	1.899		25.3	20.0	26.4	50.0
Indan	Ave	2.887	3.437		23.8	20.0	19.1	20.0
p-Diethylbenzene	Ave	1.612	1.881		23.3	20.0	16.7	20.0
n-Butylbenzene	Ave	1.504	1.851		24.6	20.0	23.1*	20.0
1,2-Dichlorobenzene	Ave	1.582	1.709	0.4000	21.6	20.0	8.0	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.774	3.114		22.5	20.0	12.3	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1838	0.1979	0.0500	21.5	20.0	7.7	50.0
1,3,5-Trichlorobenzene	Ave	1.321	1.360		20.6	20.0	3.0	20.0
1,2,4-Trichlorobenzene	Ave	1.309	1.285	0.2000	19.6	20.0	-1.8	20.0
Hexachlorobutadiene	Ave	0.6605	0.5992		18.1	20.0	-9.3	20.0
Naphthalene	Ave	2.973	3.051		20.5	20.0	2.6	50.0
1,2,3-Trichlorobenzene	Ave	1.194	1.174		19.7	20.0	-1.7	20.0
Dibromofluoromethane (Surr)	Ave	0.2638	0.2764		52.4	50.0	4.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2969	0.3426		57.7	50.0	15.4	20.0
Toluene-d8 (Surr)	Ave	1.412	1.590		56.3	50.0	12.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Lab Sample ID: CCVIS 460-769803/3 Calibration Date: 04/06/2021 19:58
Instrument ID: CVOAMS1 Calib Start Date: 03/30/2021 02:38
GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/30/2021 05:21
Lab File ID: A01621.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	0.4466	0.4139		46.3	50.0	-7.3	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01621.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 06-Apr-2021 19:58:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 460-0126610-003
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub49
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 09:58:31 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1669

First Level Reviewer: asfawa

Date: 07-Apr-2021 09:58:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.587	1.587	0.000	99	94859	20.0	20.5	
6 Chloromethane	50	1.794	1.794	0.000	99	136118	20.0	25.3	
7 Vinyl chloride	62	1.904	1.904	0.000	98	118519	20.0	24.8	
8 Butadiene	39	1.928	1.928	0.000	98	114103	20.0	31.2	
9 Bromomethane	94	2.270	2.270	0.000	99	64185	20.0	20.3	
10 Chloroethane	64	2.361	2.361	0.000	100	64465	20.0	25.3	
11 Dichlorofluoromethane	67	2.580	2.580	0.000	98	146005	20.0	24.4	
12 Trichlorofluoromethane	101	2.580	2.580	0.000	58	96081	20.0	20.9	
13 Pentane	72	2.629	2.629	0.000	96	28296	40.0	49.4	
14 Ethanol	46	2.806	2.806	0.000	99	16998	800.0	852.0	
15 Ethyl ether	59	2.861	2.861	0.000	95	71195	20.0	23.5	
16 2-Methyl-1,3-butadiene	53	2.879	2.879	0.000	98	76789	20.0	25.0	
19 Acrolein	56	3.056	3.056	0.000	97	24281	40.0	62.4	
20 112TCTFE	101	3.056	3.056	0.000	97	67623	20.0	22.8	
21 1,1-Dichloroethene	96	3.086	3.086	0.000	96	69432	20.0	21.8	
22 Acetone	58	3.190	3.190	0.000	87	41000	100.0	95.3	
23 Iodomethane	142	3.257	3.257	0.000	98	110928	20.0	19.3	
24 Isopropyl alcohol	45	3.288	3.288	0.000	38	48960	200.0	206.3	
25 Carbon disulfide	76	3.294	3.294	0.000	99	280551	20.0	23.2	
26 3-Chloro-1-propene	76	3.440	3.440	0.000	93	51765	20.0	22.4	
27 Methyl acetate	43	3.452	3.452	0.000	99	136208	40.0	49.1	
28 Cyclopentene	67	3.458	3.458	0.000	95	209958	20.0	24.9	
29 Acetonitrile	41	3.513	3.513	0.000	98	93835	200.0	247.1	
* 30 TBA-d9 (IS)	65	3.562	3.562	0.000	82	374476	1000.0	1000.0	
31 Methylene Chloride	84	3.574	3.574	0.000	96	86667	20.0	22.7	
32 2-Methyl-2-propanol	59	3.635	3.635	0.000	99	77280	200.0	198.5	
33 Methyl tert-butyl ether	73	3.739	3.739	0.000	98	238007	20.0	22.7	
34 trans-1,2-Dichloroethene	96	3.763	3.763	0.000	97	80799	20.0	21.8	
35 Acrylonitrile	53	3.842	3.842	0.000	95	361035	200.0	256.1	
36 Hexane	43	3.916	3.916	0.000	94	74936	20.0	27.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Isopropyl ether	45	4.117	4.117	0.000	99	276661	20.0	26.2	
38 1,1-Dichloroethane	63	4.153	4.153	0.000	99	154393	20.0	24.4	
39 Vinyl acetate	86	4.165	4.165	0.000	100	32512	40.0	43.3	
40 2-Chloro-1,3-butadiene	88	4.196	4.196	0.000	92	68145	20.0	22.0	
41 Tert-butyl ethyl ether	59	4.409	4.409	0.000	88	259903	20.0	24.2	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	97	412491	250.0	250.0	
43 2,2-Dichloropropane	97	4.598	4.598	0.000	96	25021	20.0	22.9	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	95	87718	20.0	22.0	
45 2-Butanone (MEK)	72	4.635	4.635	0.000	96	41433	100.0	84.3	
46 Ethyl acetate	70	4.635	4.635	0.000	94	15211	40.0	35.1	
47 Methyl acrylate	55	4.684	4.684	0.000	99	64330	20.0	21.5	
48 Propionitrile	54	4.751	4.751	0.000	99	127938	200.0	224.9	
50 Chlorobromomethane	128	4.818	4.818	0.000	92	40691	20.0	20.5	
49 Tetrahydrofuran	72	4.818	4.818	0.000	77	19371	40.0	36.2	
51 Methacrylonitrile	67	4.836	4.836	0.000	93	333691	200.0	230.7	
52 Chloroform	83	4.860	4.860	0.000	98	134576	20.0	22.6	
53 Cyclohexane	56	4.970	4.970	0.000	94	153902	20.0	26.3	
54 1,1,1-Trichloroethane	97	4.982	4.982	0.000	97	106960	20.0	21.9	
\$ 55 Dibromofluoromethane (Surr)	113	4.989	4.989	0.000	98	175981	50.0	52.4	
56 Carbon tetrachloride	117	5.080	5.080	0.000	98	84106	20.0	21.5	
57 1,1-Dichloropropene	75	5.104	5.104	0.000	96	104555	20.0	22.2	
58 Isobutyl alcohol	43	5.184	5.184	0.000	95	73285	500.0	504.2	
59 Isooctane	57	5.232	5.232	0.000	98	327537	20.0	28.6	
60 Benzene	78	5.269	5.269	0.000	95	312672	20.0	26.5	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	87	218132	50.0	57.7	
62 Isopropyl acetate	61	5.287	5.287	0.000	97	30083	20.0	20.0	
63 Tert-amyl methyl ether	87	5.299	5.299	0.000	94	68418	20.0	20.4	
64 1,2-Dichloroethane	62	5.336	5.336	0.000	96	98993	20.0	22.7	
65 n-Heptane	71	5.366	5.366	0.000	94	67881	20.0	18.9	
* 66 Fluorobenzene	96	5.488	5.488	0.000	98	636754	50.0	50.0	
67 n-Butanol	56	5.696	5.696	0.000	88	43972	500.0	459.2	
68 Trichloroethene	95	5.775	5.775	0.000	97	70157	20.0	19.8	
69 Ethyl acrylate	55	5.854	5.854	0.000	1	65583	20.0	9.93	a
70 Methylcyclohexane	83	5.879	5.879	0.000	91	136878	20.0	23.8	
71 1,2-Dichloropropane	63	6.019	6.019	0.000	93	72196	20.0	22.1	
72 Methyl methacrylate	100	6.055	6.055	0.000	90	24913	40.0	31.7	a
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	95	31630	1000.0	1000.0	
74 n-Propyl acetate	43	6.092	6.092	0.000	99	73899	20.0	19.2	
75 1,4-Dioxane	88	6.098	6.098	0.000	27	14245	400.0	444.5	
76 Dibromomethane	93	6.135	6.135	0.000	98	44295	20.0	20.9	
77 Dichlorobromomethane	83	6.250	6.250	0.000	99	86330	20.0	21.0	
78 2-Chloroethyl vinyl ether	63	6.531	6.531	0.000	88	31105	20.0	18.0	
79 2-Nitropropane	41	6.543	6.543	0.000	83	28751	40.0	57.0	
80 Epichlorohydrin	57	6.628	6.628	0.000	99	123290	400.0	361.9	
81 cis-1,3-Dichloropropene	75	6.677	6.677	0.000	94	103552	20.0	23.8	
82 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	97	312464	100.0	102.6	
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	99	566224	50.0	56.3	
84 Toluene	91	6.927	6.927	0.000	93	256175	20.0	23.3	
85 Ethyl methacrylate	69	7.147	7.147	0.000	70	61293	20.0	17.7	
86 trans-1,3-Dichloropropene	75	7.153	7.153	0.000	93	81775	20.0	22.4	
87 1,1,2-Trichloroethane	83	7.293	7.293	0.000	96	41628	20.0	22.1	
88 Tetrachloroethene	166	7.336	7.336	0.000	98	56651	20.0	19.5	

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	7.427	7.427	0.000	98	84458	20.0	22.3	
90 2-Hexanone	43	7.445	7.445	0.000	97	159152	100.0	89.3	
91 n-Butyl acetate	73	7.500	7.500	0.000	99	13165	20.0	20.7	
92 Chlorodibromomethane	129	7.573	7.573	0.000	99	48661	20.0	21.3	
93 Ethylene Dibromide	107	7.671	7.671	0.000	98	47026	20.0	20.5	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	88	356198	50.0	50.0	
95 Chlorobenzene	112	7.976	7.976	0.000	93	143624	20.0	21.0	
96 Ethylbenzene	106	8.018	8.018	0.000	98	80161	20.0	21.7	
97 1,1,1,2-Tetrachloroethane	131	8.031	8.031	0.000	96	58679	20.0	22.4	
98 m-Xylene & p-Xylene	106	8.092	8.092	0.000	98	97908	20.0	21.3	
99 n-Butyl acrylate	73	8.299	8.299	0.000	97	34885	20.0	20.4	
100 o-Xylene	106	8.348	8.348	0.000	94	110266	20.0	23.1	
101 Styrene	104	8.360	8.360	0.000	94	150184	20.0	21.1	
102 Amyl acetate (mixed isomers)	43	8.427	8.427	0.000	91	108073	20.0	26.7	
103 Bromoform	173	8.500	8.500	0.000	96	30495	20.0	20.0	
104 Isopropylbenzene	105	8.549	8.549	0.000	97	284034	20.0	23.8	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	86	147430	50.0	46.3	
106 1,1,2,2-Tetrachloroethane	83	8.762	8.762	0.000	98	72643	20.0	23.8	
107 Bromobenzene	156	8.768	8.768	0.000	97	61603	20.0	19.8	
108 N-Propylbenzene	91	8.787	8.787	0.000	99	325417	20.0	25.1	
109 trans-1,4-Dichloro-2-butene	53	8.799	8.799	0.000	75	18950	20.0	23.3	
110 1,2,3-Trichloropropane	110	8.805	8.805	0.000	93	19321	20.0	21.1	
111 4-Ethyltoluene	105	8.848	8.848	0.000	99	256078	20.0	23.7	
112 2-Chlorotoluene	91	8.860	8.860	0.000	96	251869	20.0	23.9	
113 1,3,5-Trimethylbenzene	105	8.884	8.884	0.000	93	241132	20.0	23.8	
114 Butyl Methacrylate	87	8.908	8.908	0.000	93	75631	20.0	22.4	
115 4-Chlorotoluene	91	8.927	8.927	0.000	99	191010	20.0	23.3	
116 tert-Butylbenzene	119	9.061	9.061	0.000	94	198833	20.0	22.6	
117 1,2,4-Trimethylbenzene	105	9.097	9.097	0.000	98	241619	20.0	23.2	
118 sec-Butylbenzene	105	9.183	9.183	0.000	99	309888	20.0	25.0	
119 4-Isopropyltoluene	119	9.262	9.262	0.000	98	254141	20.0	23.7	
120 1,3-Dichlorobenzene	146	9.293	9.293	0.000	95	123631	20.0	21.0	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	97	196008	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.347	9.347	0.000	79	124295	20.0	21.1	
123 1,2,3-Trimethylbenzene	105	9.347	9.347	0.000	98	264730	20.0	24.0	
124 Benzyl chloride	91	9.427	9.427	0.000	98	148877	20.0	25.3	
125 2,3-Dihydroindene	117	9.475	9.475	0.000	92	269508	20.0	23.8	
126 p-Diethylbenzene	119	9.482	9.482	0.000	94	147449	20.0	23.3	
127 n-Butylbenzene	92	9.500	9.500	0.000	98	145160	20.0	24.6	
128 1,2-Dichlorobenzene	146	9.579	9.579	0.000	95	133952	20.0	21.6	
129 1,2,4,5-Tetramethylbenzene	119	9.988	9.988	0.000	98	244166	20.0	22.5	
130 1,2-Dibromo-3-Chloropropane	75	10.097	10.097	0.000	94	15519	20.0	21.5	
131 1,3,5-Trichlorobenzene	180	10.201	10.201	0.000	97	106663	20.0	20.6	
132 1,2,4-Trichlorobenzene	180	10.701	10.701	0.000	94	100765	20.0	19.6	
133 Hexachlorobutadiene	225	10.780	10.780	0.000	96	46979	20.0	18.1	
134 Naphthalene	128	10.945	10.945	0.000	99	239192	20.0	20.5	
135 1,2,3-Trichlorobenzene	180	11.164	11.164	0.000	95	92012	20.0	19.7	
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.8	
S 137 Xylenes, Total	100				0		40.0	44.4	
S 138 Total BTEX	1				0		100.0	115.8	
S 139 1,3-Dichloropropene, Total	100				0		40.0	46.2	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00121	Amount Added: 4.00	Units: uL	
GASES Li_00414	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00134	Amount Added: 20.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01621.D

Injection Date: 06-Apr-2021 19:58:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

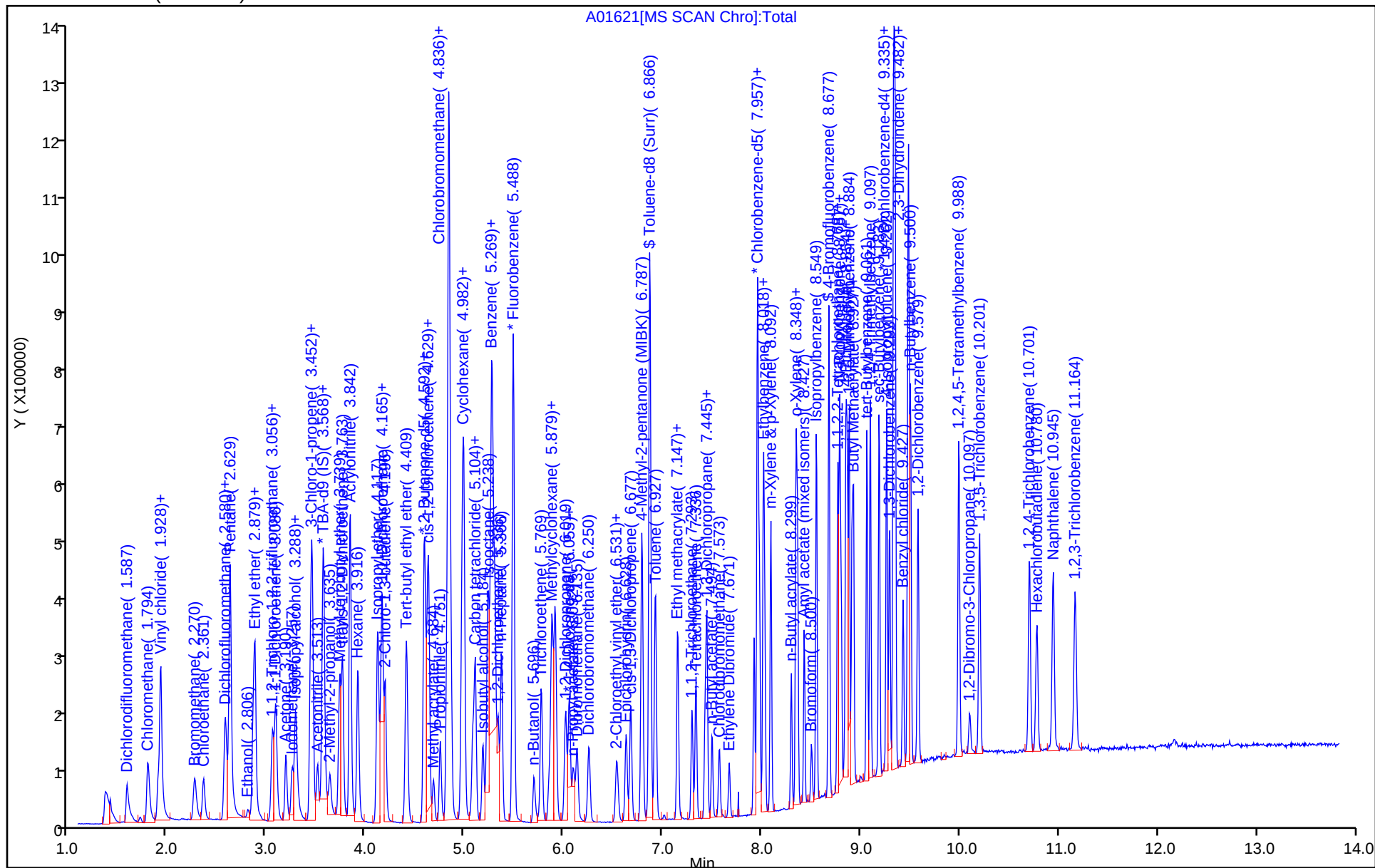
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01242.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 30-Mar-2021 01:42:30 ALS Bottle#: 99 Worklist Smp#: 1
 Injection Vol: 5.0 mL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 460-0126200-001
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 30-Mar-2021 18:16:34 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1681

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 140 BFB	95	2.910	2.910	0.000	91	82149	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00029

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01242.D

Injection Date: 30-Mar-2021 01:42:30

Instrument ID: CVOAMS1

Lims ID: BFB

Client ID:

Operator ID: VOA GC/MS1

ALS Bottle#: 99 Worklist Smp#: 1

Injection Vol: 5.0 mL

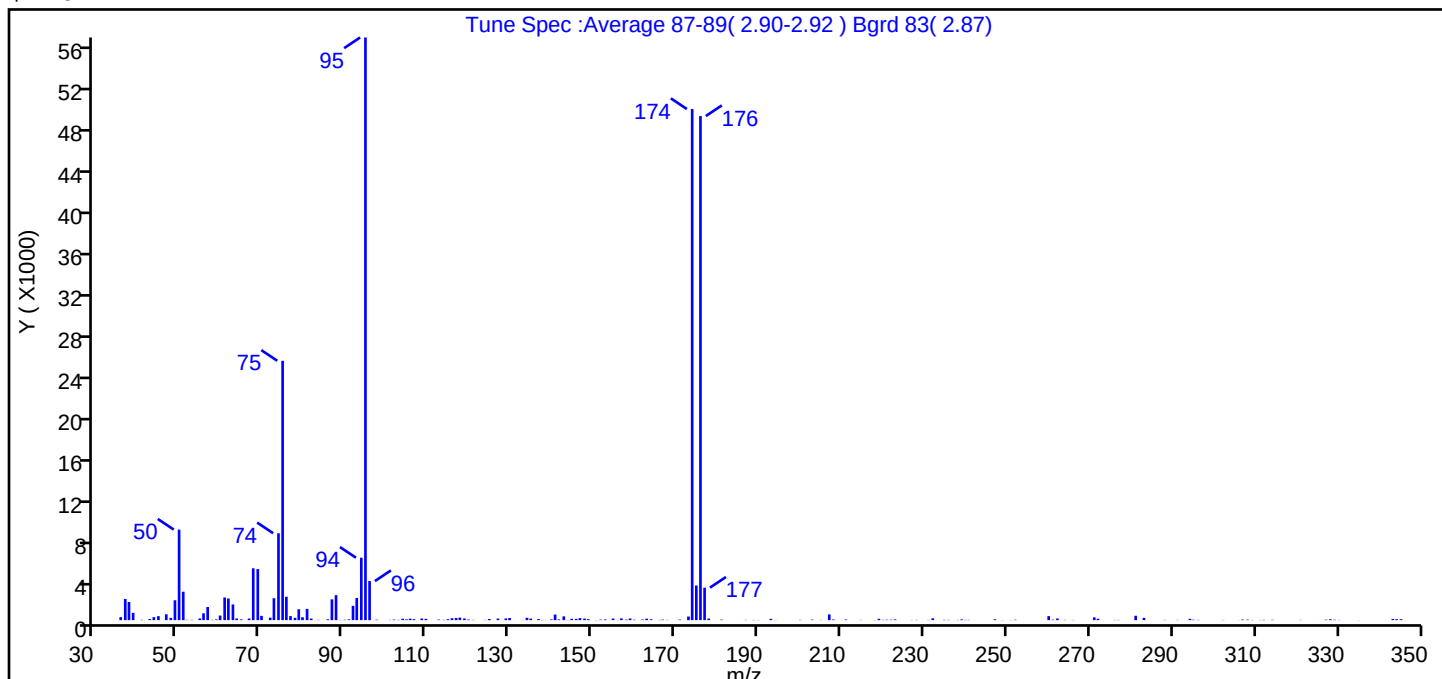
Dil. Factor: 1.0000

Method: 8260624W_1

Limit Group: VOA - 8260D 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	44.5
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.6 (0.7)
174	50 to 120% of m/z 95	87.7
175	5 to 9% of m/z 174	5.9 (6.8)
176	Greater than 95% but less than 101% of m/z 174	86.5 (98.6)
177	5 to 9% of m/z 176	5.6 (6.4)

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01242.D\8260624W_1.rslt\spectra.d
Injection Date: 30-Mar-2021 01:42:30
Spectrum: Tune Spec :Average 87-89(2.90-2.92) Bgrd 83(2.87)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	289	90.00	37	149.00	97	231.00	20
37.00	2042	91.00	73	151.00	14	232.00	176
38.00	1748	92.00	1380	152.00	49	235.00	34
39.00	699	93.00	2136	153.00	71	236.00	29
41.00	32	94.00	6016	155.00	157	238.00	21
43.00	106	95.00	56168	156.00	9	239.00	73
44.00	289	96.00	3767	157.00	169	240.00	25
45.00	385	98.00	49	158.00	52	241.00	27
47.00	566	101.00	21	159.00	162	247.00	84
48.00	217	102.00	54	160.00	41	249.00	13
49.00	1918	103.00	30	161.00	4	251.00	13
50.00	8727	104.00	136	162.00	62	252.00	41
51.00	2741	105.00	77	163.00	141	260.00	388
52.00	30	106.00	145	164.00	85	261.00	46
53.00	28	107.00	93	166.00	22	262.00	159
55.00	164	109.00	159	167.00	52	264.00	28
56.00	659	110.00	125	168.00	21	266.00	20
57.00	1266	113.00	54	171.00	55	271.00	269
58.00	26	114.00	28	173.00	351	272.00	135
59.00	69	115.00	89	174.00	49272	276.00	21
60.00	443	116.00	187	175.00	3337	277.00	24
61.00	2183	117.00	210	176.00	48592	281.00	421
62.00	2088	118.00	246	177.00	3130	283.00	222
63.00	1510	119.00	163	178.00	155	288.00	22
64.00	159	120.00	58	181.00	48	291.00	22
65.00	76	121.00	25	187.00	23	294.00	126
67.00	154	124.00	20	189.00	20	295.00	39
68.00	5000	125.00	114	190.00	15	296.00	25
69.00	4923	127.00	154	193.00	125	302.00	20
70.00	409	128.00	1	194.00	14	306.00	7
72.00	239	129.00	166	197.00	1	307.00	59
73.00	2112	130.00	210	200.00	28	308.00	53
74.00	8376	133.00	18	203.00	48	309.00	17

Report Date: 30-Mar-2021 18:16:35

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01242.D\8260624W_1.rslt\spectra.d

Injection Date: 30-Mar-2021 01:42:30

Spectrum: Tune Spec :Average 87-89(2.90-2.92) Bgrd 83(2.87)

Base Peak: 95.10

Minimum % Base Peak: 0

Number of Points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	25000	134.00	226	205.00	18	311.00	17
76.00	2256	135.00	149	207.00	552	312.00	32
77.00	393	137.00	101	208.00	67	314.00	37
78.00	223	138.00	17	211.00	60	321.00	22
79.00	1048	140.00	67	215.00	24	327.00	48
80.00	277	141.00	538	218.00	14	328.00	86
81.00	1087	142.00	68	219.00	129	329.00	38
82.00	154	143.00	363	220.00	29	330.00	19
84.00	26	144.00	15	221.00	38	335.00	9
86.00	84	145.00	128	222.00	43	343.00	116
87.00	2002	146.00	123	223.00	69	344.00	93
88.00	2408	147.00	196	227.00	18	345.00	91
89.00	19	148.00	152	228.00	21	346.00	3

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01592.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 06-Apr-2021 06:49:30 ALS Bottle#: 99 Worklist Smp#: 1
 Injection Vol: 5.0 mL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 460-0126577-001
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 06-Apr-2021 09:14:44 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: moroneyc

Date: 06-Apr-2021 06:55:59

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

\$ 140 BFB	95	2.917	2.917	0.000	89	66976	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00029

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01592.D

Injection Date: 06-Apr-2021 06:49:30

Instrument ID: CVOAMS1

Lims ID: BFB

Client ID:

Operator ID: VOA GC/MS1

ALS Bottle#: 99 Worklist Smp#: 1

Injection Vol: 5.0 mL

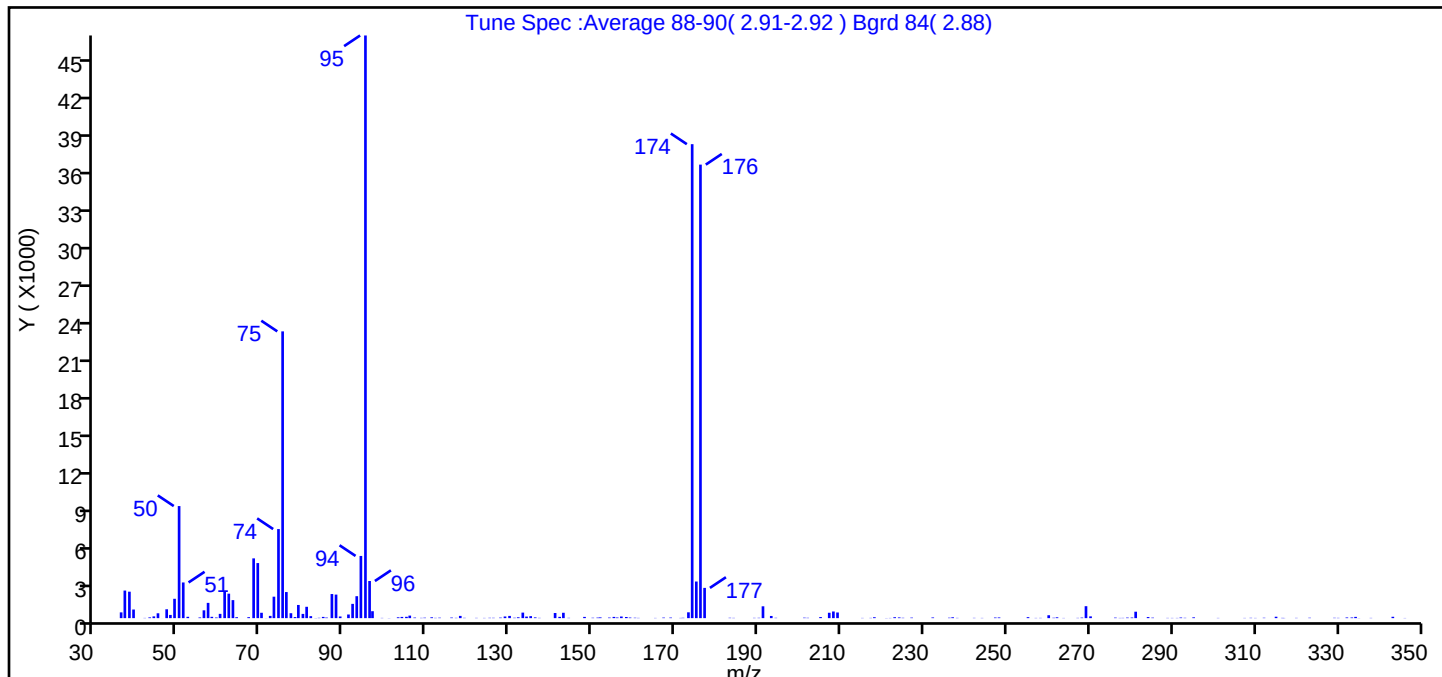
Dil. Factor: 1.0000

Method: 8260624W_1

Limit Group: VOA - 8260D 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	19.2
75	30 to 60% of m/z 95	49.2
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	1.0 (1.2)
174	50 to 120% of m/z 95	81.3
175	5 to 9% of m/z 174	6.3 (7.7)
176	Greater than 95% but less than 101% of m/z 174	77.8 (95.7)
177	5 to 9% of m/z 176	5.2 (6.7)

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01592.D\8260624W_1.rslt\spectra.d
Injection Date: 06-Apr-2021 06:49:30
Spectrum: Tune Spec :Average 88-90(2.91-2.92) Bgrd 84(2.88)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 187

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	465	89.00	134	155.00	100	255.00	79
37.00	2223	91.00	294	156.00	51	256.00	1
38.00	2132	92.00	1151	157.00	131	257.00	18
39.00	695	93.00	1769	158.00	92	258.00	20
42.00	18	94.00	5013	159.00	47	260.00	233
43.00	60	95.00	46960	160.00	33	261.00	31
44.00	142	96.00	2993	161.00	20	262.00	67
45.00	392	97.00	559	165.00	17	264.00	16
46.00	2	99.00	19	167.00	44	265.00	1
47.00	715	101.00	11	169.00	46	267.00	21
48.00	259	103.00	68	171.00	18	268.00	45
49.00	1560	104.00	99	172.00	28	269.00	964
50.00	9033	105.00	107	173.00	470	270.00	142
51.00	2876	106.00	204	174.00	38200	276.00	42
52.00	108	107.00	46	175.00	2952	277.00	18
55.00	54	109.00	22	176.00	36552	278.00	21
56.00	630	109.00	36	177.00	2438	279.00	45
57.00	1230	111.00	68	183.00	29	280.00	49
58.00	107	112.00	22	184.00	21	281.00	519
59.00	50	113.00	37	189.00	23	284.00	87
60.00	345	116.00	47	190.00	27	285.00	40
61.00	2116	117.00	23	191.00	954	289.00	19
62.00	1973	118.00	181	193.00	176	290.00	18
63.00	1452	119.00	25	194.00	27	291.00	17
64.00	75	122.00	21	201.00	38	292.00	50
67.00	78	124.00	18	202.00	27	293.00	26
68.00	4817	125.00	27	205.00	87	295.00	64
69.00	4439	126.00	27	207.00	434	301.00	18
70.00	433	128.00	43	208.00	537	307.00	17
71.00	7	129.00	134	209.00	456	309.00	26
72.00	181	130.00	180	215.00	18	310.00	17
73.00	1730	131.00	32	217.00	20	312.00	31
74.00	7179	132.00	69	218.00	73	315.00	114

Report Date: 06-Apr-2021 09:14:44

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01592.D\8260624W_1.rslt\spectra.d

Injection Date: 06-Apr-2021 06:49:30

Spectrum: Tune Spec :Average 88-90(2.91-2.92) Bgrd 84(2.88)

Base Peak: 95.10

Minimum % Base Peak: 0

Number of Points: 187

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	23112	133.00	446	221.00	12	316.00	20
76.00	2103	134.00	126	222.00	16	317.00	16
77.00	397	135.00	161	223.00	74	320.00	21
78.00	87	136.00	60	224.00	57	323.00	32
79.00	1062	137.00	22	225.00	28	329.00	28
80.00	342	141.00	414	227.00	42	330.00	22
81.00	915	142.00	104	232.00	55	332.00	55
82.00	160	143.00	433	236.00	35	333.00	53
83.00	12	144.00	24	237.00	70	334.00	102
84.00	27	148.00	100	238.00	20	335.00	9
85.00	100	150.00	32	242.00	22	338.00	19
86.00	46	151.00	43	244.00	18	343.00	110
87.00	1943	152.00	60	247.00	49	346.00	14
88.00	1898	154.00	46	248.00	56		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01619.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 06-Apr-2021 18:59:30 ALS Bottle#: 99 Worklist Smp#: 1
 Injection Vol: 5.0 mL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 460-0126610-001
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 06-Apr-2021 23:27:49 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1626

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 140 BFB	95	2.910	2.910	0.000	83	287195	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00029

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01619.D

Injection Date: 06-Apr-2021 18:59:30

Instrument ID: CVOAMS1

Lims ID: BFB

Client ID:

Operator ID: VOA GC/MS1

ALS Bottle#: 99 Worklist Smp#: 1

Injection Vol: 5.0 mL

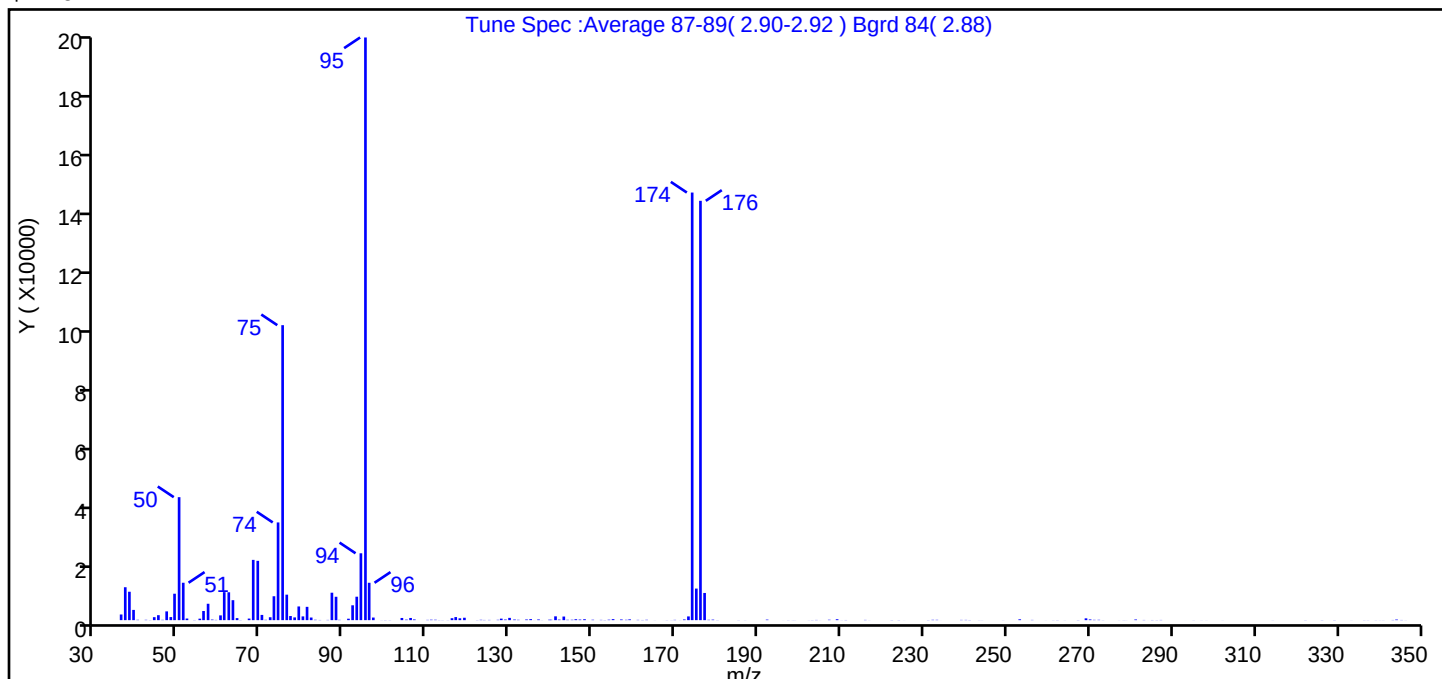
Dil. Factor: 1.0000

Method: 8260624W_1

Limit Group: VOA - 8260D 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	21.1
75	30 to 60% of m/z 95	50.6
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.6 (0.9)
174	50 to 120% of m/z 95	73.4
175	5 to 9% of m/z 174	5.4 (7.4)
176	Greater than 95% but less than 101% of m/z 174	72.0 (98.1)
177	5 to 9% of m/z 176	4.7 (6.5)

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01619.D\8260624W_1.rslt\spectra.d
Injection Date: 06-Apr-2021 18:59:30
Spectrum: Tune Spec :Average 87-89(2.90-2.92) Bgrd 84(2.88)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 199

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1930	91.00	490	150.00	139	234.00	8
37.00	11206	92.00	5058	152.00	90	239.00	84
38.00	9670	93.00	7981	153.00	46	240.00	83
39.00	3486	94.00	22768	154.00	154	241.00	51
40.00	122	95.00	198400	155.00	342	243.00	25
42.00	113	96.00	12723	156.00	6	244.00	20
43.00	36	97.00	886	157.00	225	249.00	20
44.00	1009	99.00	22	158.00	117	253.00	277
45.00	1689	100.00	41	159.00	259	256.00	79
46.00	103	101.00	36	161.00	94	259.00	12
47.00	2984	103.00	2	162.00	56	261.00	27
48.00	1048	104.00	741	163.00	117	262.00	41
49.00	8999	105.00	177	165.00	17	264.00	19
50.00	41872	106.00	742	167.00	6	267.00	48
51.00	12733	107.00	237	168.00	33	269.00	612
52.00	544	110.00	91	169.00	25	270.00	241
54.00	53	111.00	151	170.00	94	271.00	105
55.00	502	112.00	136	171.00	19	272.00	118
56.00	3109	113.00	35	172.00	231	273.00	29
57.00	5580	114.00	31	173.00	1271	277.00	18
58.00	192	115.00	30	174.00	145600	278.00	27
59.00	80	116.00	656	175.00	10747	279.00	18
60.00	1620	117.00	1042	176.00	142784	280.00	4
61.00	9537	118.00	629	177.00	9254	281.00	222
62.00	9489	119.00	818	178.00	116	283.00	65
63.00	6797	122.00	39	179.00	176	284.00	6
64.00	689	123.00	117	180.00	35	285.00	53
65.00	42	124.00	66	185.00	32	286.00	38
67.00	532	125.00	79	187.00	21	287.00	67
68.00	20520	127.00	113	192.00	183	293.00	5
69.00	20192	128.00	513	196.00	9	295.00	24
70.00	1779	129.00	203	197.00	31	297.00	18
71.00	117	130.00	770	198.00	21	298.00	16

Report Date: 06-Apr-2021 23:27:50

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01619.D\8260624W_1.rslt\spectra.d

Injection Date: 06-Apr-2021 18:59:30

Spectrum: Tune Spec :Average 87-89(2.90-2.92) Bgrd 84(2.88)

Base Peak: 95.10

Minimum % Base Peak: 0

Number of Points: 199

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	987	131.00	205	199.00	21	302.00	16
73.00	8138	132.00	117	202.00	24	314.00	20
74.00	33272	134.00	226	203.00	38	322.00	37
75.00	100440	135.00	346	204.00	70	326.00	42
76.00	8676	136.00	13	205.00	14	328.00	5
77.00	1402	137.00	233	207.00	138	329.00	46
78.00	932	138.00	20	209.00	305	333.00	17
79.00	4662	140.00	137	210.00	20	336.00	31
80.00	1276	140.00	141	211.00	54	337.00	29
81.00	4530	141.00	1298	216.00	81	339.00	27
82.00	892	142.00	184	217.00	17	340.00	19
83.00	129	143.00	1226	222.00	45	341.00	21
84.00	61	144.00	121	224.00	44	343.00	62
86.00	77	145.00	130	225.00	13	344.00	205
87.00	9342	146.00	309	231.00	45	345.00	62
88.00	7960	147.00	201	232.00	116	346.00	20
89.00	95	148.00	307	233.00	109		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-769671/8
 Matrix: Water Lab File ID: A01600.D
 Analysis Method: 8260D Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 04/06/2021 10:21
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 769671 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
79-01-6	Trichloroethene (TCE)	0.31	U	1.0	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-123
2037-26-5	Toluene-d8 (Surr)	109		80-120
460-00-4	4-Bromofluorobenzene	95		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01600.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 06-Apr-2021 10:21:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 460-0126577-008
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 12:21:01 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1669

First Level Reviewer: moroneyc

Date: 06-Apr-2021 11:17:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.568	3.568	0.000	33	389226	1000.0	1000.0	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	85	446158	250.0	250.0	
\$ 55 Dibromofluoromethane (Surr)	113	4.988	4.988	0.000	97	178842	50.0	50.6	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	37	226628	50.0	57.0	
* 66 Fluorobenzene	96	5.488	5.488	0.000	98	670169	50.0	50.0	
* 73 1,4-Dioxane-d8	96	6.049	6.055	-0.006	21	24481	1000.0	1000.0	
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	99	590676	50.0	54.6	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	88	383184	50.0	50.0	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	87	162461	50.0	47.5	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	97	216009	50.0	50.0	

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00129
 8260SURR250_00217

Amount Added: 1.00
 Amount Added: 1.00

Units: uL Run Reagent
 Units: uL Run Reagent

Report Date: 07-Apr-2021 12:24:00

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Euofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01600.D

Injection Date: 06-Apr-2021 10:21:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

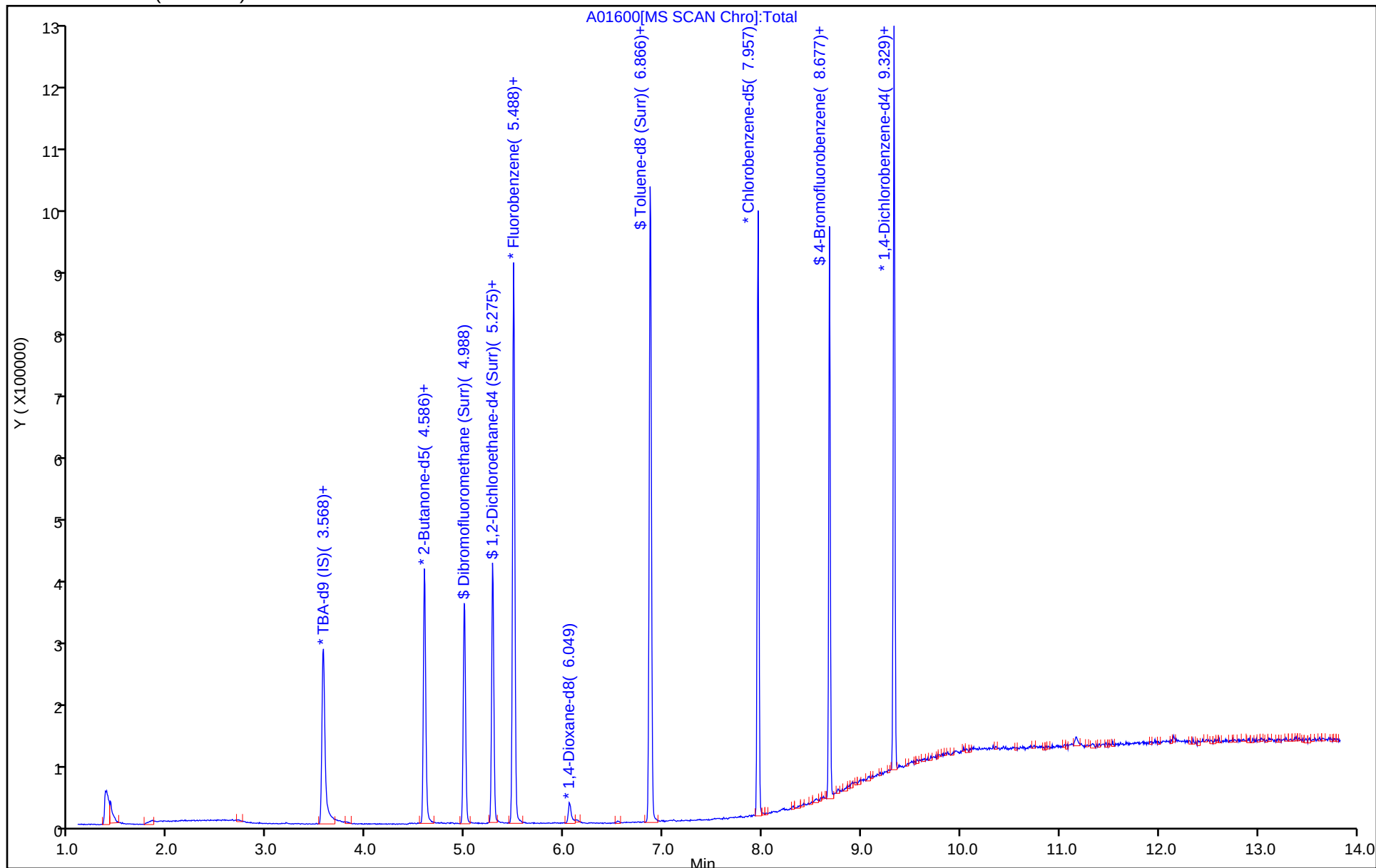
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-769803/9
 Matrix: Water Lab File ID: A01627.D
 Analysis Method: 8260D Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 04/06/2021 22:43
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 769803 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
79-01-6	Trichloroethene (TCE)	0.31	U	1.0	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-123
2037-26-5	Toluene-d8 (Surr)	109		80-120
460-00-4	4-Bromofluorobenzene	90		76-120
1868-53-7	Dibromofluoromethane (Surr)	98		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01627.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 06-Apr-2021 22:43:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 460-0126610-009
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 10:01:31 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1669

First Level Reviewer: moroneyc

Date: 07-Apr-2021 07:10:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.568	3.562	0.006	33	412632	1000.0	1000.0	
* 42 2-Butanone-d5	46	4.592	4.586	0.006	85	482658	250.0	250.0	
\$ 55 Dibromofluoromethane (Surr)	113	4.995	4.989	0.007	97	177913	50.0	49.0	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	37	232677	50.0	56.9	
* 66 Fluorobenzene	96	5.488	5.488	0.000	98	688640	50.0	50.0	
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	21	35422	1000.0	1000.0	
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	99	631568	50.0	54.4	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	88	411354	50.0	50.0	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	86	165555	50.0	45.1	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	97	214552	50.0	50.0	

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00129
 8260SURR250_00217

Amount Added: 1.00
 Amount Added: 1.00

Units: uL Run Reagent
 Units: uL Run Reagent

Report Date: 07-Apr-2021 10:02:26

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01627.D

Injection Date: 06-Apr-2021 22:43:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: MB

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

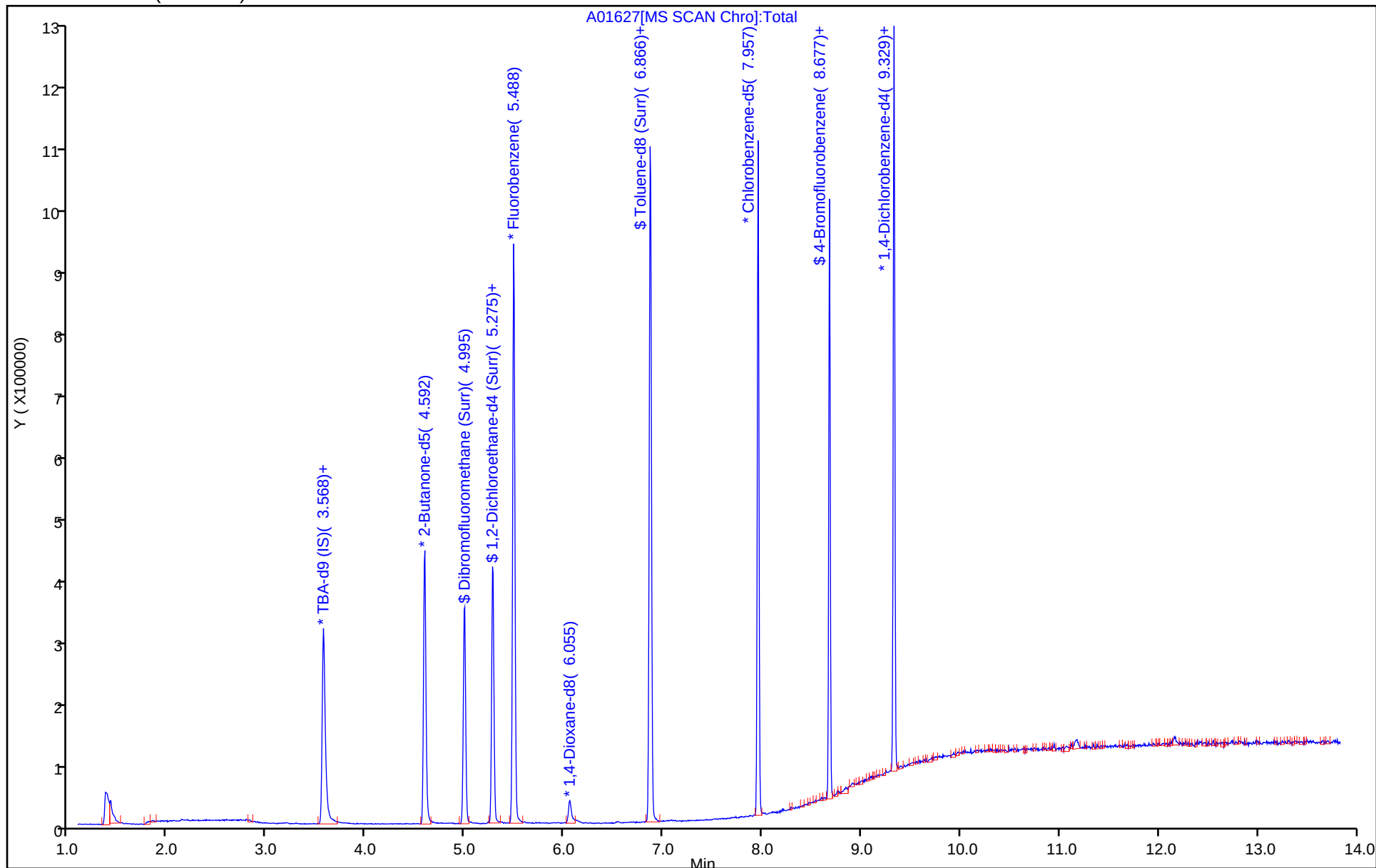
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-769671/5
 Matrix: Water Lab File ID: A01596.D
 Analysis Method: 8260D Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 04/06/2021 08:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 769671 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	22.5		1.0	0.26
156-59-2	cis-1,2-Dichloroethene	22.1		1.0	0.22
79-01-6	Trichloroethene (TCE)	18.4		1.0	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	123		75-123
2037-26-5	Toluene-d8 (Surr)	113		80-120
460-00-4	4-Bromofluorobenzene	89		76-120
1868-53-7	Dibromofluoromethane (Surr)	116		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01596.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 06-Apr-2021 08:34:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCSD
 Misc. Info.: 460-0126577-005
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 12:21:01 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1669

First Level Reviewer: moroneyc

Date: 06-Apr-2021 09:13:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.587	1.587	0.000	99	100474	20.0	27.1	
6 Chloromethane	50	1.800	1.800	0.000	99	122333	20.0	28.4	
7 Vinyl chloride	62	1.904	1.904	0.000	98	108223	20.0	28.2	
8 Butadiene	39	1.928	1.928	0.000	98	104045	20.0	35.5	
9 Bromomethane	94	2.269	2.269	0.000	99	54294	20.0	21.4	
10 Chloroethane	64	2.361	2.361	0.000	100	55887	20.0	27.3	
11 Dichlorofluoromethane	67	2.580	2.580	0.000	97	125747	20.0	26.2	
12 Trichlorofluoromethane	101	2.580	2.580	0.000	58	88582	20.0	24.0	
13 Pentane	72	2.629	2.629	0.000	96	24062	40.0	46.6	
14 Ethanol	46	2.861	2.812	0.049	97	16118	800.0	896.7	
15 Ethyl ether	59	2.861	2.861	0.000	93	61688	20.0	25.4	
16 2-Methyl-1,3-butadiene	53	2.879	2.879	0.000	92	68940	20.0	28.0	
19 Acrolein	56	3.056	3.056	0.000	97	18714	40.0	53.4	
20 112TCTFE	101	3.062	3.056	0.006	95	57593	20.0	24.2	
21 1,1-Dichloroethene	96	3.092	3.092	0.000	96	57529	20.0	22.5	
22 Acetone	58	3.190	3.196	-0.006	87	31701	100.0	86.6	
23 Iodomethane	142	3.257	3.257	0.000	97	89653	20.0	19.5	
24 Isopropyl alcohol	45	3.294	3.294	0.000	32	37253	200.0	174.2	a
25 Carbon disulfide	76	3.294	3.294	0.000	99	237388	20.0	24.5	
26 3-Chloro-1-propene	76	3.440	3.440	0.000	91	42235	20.0	22.8	
27 Methyl acetate	43	3.458	3.452	0.006	79	119591	40.0	53.8	
28 Cyclopentene	67	3.458	3.458	0.000	90	180299	20.0	26.7	
29 Acetonitrile	41	3.513	3.513	0.000	98	65336	200.0	190.9	
* 30 TBA-d9 (IS)	65	3.568	3.568	0.000	86	337414	1000.0	1000.0	
31 Methylene Chloride	84	3.574	3.574	0.000	97	73136	20.0	23.9	
32 2-Methyl-2-propanol	59	3.635	3.641	-0.006	99	57930	200.0	165.2	
33 Methyl tert-butyl ether	73	3.739	3.739	0.000	98	197414	20.0	23.5	
34 trans-1,2-Dichloroethene	96	3.763	3.763	0.000	98	67604	20.0	22.7	
35 Acrylonitrile	53	3.842	3.842	0.000	95	311277	200.0	275.3	
36 Hexane	43	3.915	3.922	-0.007	94	64437	20.0	28.9	
37 Isopropyl ether	45	4.117	4.123	-0.006	99	234180	20.0	27.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 1,1-Dichloroethane	63	4.153	4.153	0.000	99	127414	20.0	25.1	
39 Vinyl acetate	86	4.165	4.165	0.000	100	24011	40.0	35.5	
40 2-Chloro-1,3-butadiene	88	4.196	4.196	0.000	92	55441	20.0	22.3	
41 Tert-butyl ethyl ether	59	4.409	4.409	0.000	88	216548	20.0	25.1	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	99	351164	250.0	250.0	
43 2,2-Dichloropropane	97	4.604	4.598	0.006	95	20044	20.0	22.9	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	93	70438	20.0	22.1	
46 Ethyl acetate	70	4.635	4.635	0.000	93	10382	40.0	28.1	
45 2-Butanone (MEK)	72	4.641	4.635	0.006	96	29651	100.0	70.8	
47 Methyl acrylate	55	4.684	4.684	0.000	99	46936	20.0	19.6	
48 Propionitrile	54	4.751	4.751	0.000	98	107872	200.0	210.5	
50 Chlorobromomethane	128	4.818	4.818	0.000	92	32030	20.0	20.2	
49 Tetrahydrofuran	72	4.818	4.818	0.000	62	16363	40.0	35.9	
51 Methacrylonitrile	67	4.842	4.842	0.000	94	252875	200.0	218.0	
52 Chloroform	83	4.860	4.860	0.000	98	108995	20.0	22.8	
53 Cyclohexane	56	4.970	4.970	0.000	94	134988	20.0	28.8	
54 1,1,1-Trichloroethane	97	4.982	4.982	0.000	97	88140	20.0	22.5	
\$ 55 Dibromofluoromethane (Surr)	113	4.988	4.988	0.000	97	155855	50.0	57.8	
56 Carbon tetrachloride	117	5.080	5.080	0.000	98	68325	20.0	21.8	
57 1,1-Dichloropropene	75	5.104	5.104	0.000	95	82063	20.0	21.7	
58 Isobutyl alcohol	43	5.183	5.184	-0.001	97	50342	500.0	384.4	
59 Isooctane	57	5.232	5.232	0.000	98	273569	20.0	29.8	
60 Benzene	78	5.269	5.269	0.000	94	234308	20.0	27.0	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	86	185810	50.0	61.3	
62 Isopropyl acetate	61	5.293	5.287	0.006	97	23709	20.0	19.7	
63 Tert-amyl methyl ether	87	5.299	5.299	0.000	98	55323	20.0	20.6	
64 1,2-Dichloroethane	62	5.336	5.336	0.000	97	77188	20.0	22.0	
65 n-Heptane	71	5.366	5.372	-0.006	95	50596	20.0	17.6	
* 66 Fluorobenzene	96	5.488	5.488	0.000	98	510602	50.0	50.0	
67 n-Butanol	56	5.702	5.702	0.000	92	32695	500.0	379.0	
68 Trichloroethene	95	5.775	5.775	0.000	97	52383	20.0	18.4	
69 Ethyl acrylate	55	5.860	5.854	0.006	1	44366	20.0	8.38	M
70 Methylcyclohexane	83	5.878	5.878	0.000	94	113519	20.0	24.6	
71 1,2-Dichloropropane	63	6.019	6.019	0.000	96	53346	20.0	20.4	
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	94	23588	1000.0	1000.0	M
72 Methyl methacrylate	100	6.055	6.055	0.000	91	15710	40.0	24.9	a
74 n-Propyl acetate	43	6.098	6.098	0.000	99	48012	20.0	15.6	
75 1,4-Dioxane	88	6.110	6.104	0.006	27	9743	400.0	407.7	
76 Dibromomethane	93	6.134	6.135	-0.001	97	31498	20.0	18.6	
77 Dichlorobromomethane	83	6.250	6.250	0.000	98	62241	20.0	18.9	
78 2-Chloroethyl vinyl ether	63	6.531	6.531	0.000	97	19082	20.0	13.8	
79 2-Nitropropane	41	6.543	6.543	0.000	97	20802	40.0	51.5	
80 Epichlorohydrin	57	6.628	6.628	0.000	99	85753	400.0	295.7	
81 cis-1,3-Dichloropropene	75	6.677	6.677	0.000	95	66494	20.0	20.8	
82 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	242574	100.0	93.6	
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	98	418528	50.0	56.6	
84 Toluene	91	6.927	6.927	0.000	93	176685	20.0	21.9	
85 Ethyl methacrylate	69	7.153	7.147	0.006	74	41492	20.0	15.0	
86 trans-1,3-Dichloropropene	75	7.153	7.153	0.000	91	50874	20.0	19.0	
87 1,1,2-Trichloroethane	83	7.293	7.293	0.000	96	29504	20.0	21.3	
88 Tetrachloroethene	166	7.335	7.336	-0.001	96	37660	20.0	17.6	
89 1,3-Dichloropropane	76	7.427	7.427	0.000	98	54217	20.0	19.5	

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	7.445	7.445	0.000	98	110099	100.0	72.6	
91 n-Butyl acetate	73	7.500	7.500	0.000	99	9000	20.0	19.2	
92 Chlorodibromomethane	129	7.567	7.573	-0.006	97	31673	20.0	18.9	
93 Ethylene Dibromide	107	7.671	7.671	0.000	99	29576	20.0	17.5	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	89	261697	50.0	50.0	
95 Chlorobenzene	112	7.976	7.976	0.000	92	97215	20.0	19.3	
96 Ethylbenzene	106	8.018	8.018	0.000	99	56210	20.0	20.7	
97 1,1,1,2-Tetrachloroethane	131	8.030	8.031	0.000	95	44206	20.0	23.0	
98 m-Xylene & p-Xylene	106	8.091	8.091	0.000	99	67488	20.0	20.0	
99 n-Butyl acrylate	73	8.299	8.299	0.000	97	24763	20.0	19.7	
100 o-Xylene	106	8.347	8.348	-0.001	93	76068	20.0	21.7	
101 Styrene	104	8.360	8.360	0.000	94	102333	20.0	19.6	
102 Amyl acetate (mixed isomers)	43	8.427	8.427	0.000	90	81448	20.0	27.2	
103 Bromoform	173	8.500	8.500	0.000	96	20868	20.0	18.6	
104 Isopropylbenzene	105	8.549	8.549	0.000	97	205599	20.0	23.5	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	84	103685	50.0	44.4	
106 1,1,2,2-Tetrachloroethane	83	8.762	8.762	0.000	98	55100	20.0	24.4	
107 Bromobenzene	156	8.768	8.768	0.000	96	39994	20.0	17.4	
108 N-Propylbenzene	91	8.786	8.786	0.000	98	235328	20.0	24.5	
109 trans-1,4-Dichloro-2-butene	53	8.805	8.799	0.006	72	14284	20.0	23.7	
110 1,2,3-Trichloropropane	110	8.805	8.805	0.000	93	13581	20.0	20.1	
111 4-Ethyltoluene	105	8.847	8.847	0.000	98	199739	20.0	24.9	
112 2-Chlorotoluene	91	8.866	8.860	0.006	96	183100	20.0	23.5	
113 1,3,5-Trimethylbenzene	105	8.884	8.884	0.000	92	172551	20.0	23.0	
114 Butyl Methacrylate	87	8.908	8.914	-0.006	94	52832	20.0	21.1	
115 4-Chlorotoluene	91	8.927	8.927	0.000	99	130109	20.0	21.4	
116 tert-Butylbenzene	119	9.061	9.061	0.000	92	127930	20.0	19.7	
117 1,2,4-Trimethylbenzene	105	9.097	9.097	0.000	98	171192	20.0	22.2	
118 sec-Butylbenzene	105	9.189	9.189	0.000	99	214688	20.0	23.4	
119 4-Isopropyltoluene	119	9.262	9.262	0.000	98	173606	20.0	21.8	
120 1,3-Dichlorobenzene	146	9.292	9.292	0.000	95	84856	20.0	19.5	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	98	145144	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.347	9.347	0.000	74	83537	20.0	19.2	
123 1,2,3-Trimethylbenzene	105	9.347	9.347	0.000	98	188358	20.0	23.1	
124 Benzyl chloride	91	9.427	9.427	0.000	98	102224	20.0	23.4	
125 2,3-Dihydroindene	117	9.475	9.475	0.000	92	192622	20.0	23.0	
126 p-Diethylbenzene	119	9.487	9.481	0.006	91	104284	20.0	22.3	
127 n-Butylbenzene	92	9.500	9.500	0.000	98	104599	20.0	24.0	
128 1,2-Dichlorobenzene	146	9.579	9.579	0.000	94	92510	20.0	20.1	
129 1,2,4,5-Tetramethylbenzene	119	9.993	9.994	-0.001	97	165059	20.0	20.5	
130 1,2-Dibromo-3-Chloropropane	75	10.103	10.097	0.006	94	13432	20.0	25.2	
131 1,3,5-Trichlorobenzene	180	10.201	10.201	0.000	96	74866	20.0	19.5	
132 1,2,4-Trichlorobenzene	180	10.707	10.707	0.000	94	73937	20.0	19.5	
133 Hexachlorobutadiene	225	10.780	10.780	0.000	95	29722	20.0	15.5	
134 Naphthalene	128	10.945	10.945	0.000	99	199562	20.0	23.1	
135 1,2,3-Trichlorobenzene	180	11.164	11.164	0.000	96	71135	20.0	20.5	
S 136 1,2-Dichloroethene, Total	100				0		40.0	44.8	
S 137 Xylenes, Total	100				0		40.0	41.7	
S 138 Total BTEX	1				0		100.0	111.2	
S 139 1,3-Dichloropropene, Total	100				0		40.0	39.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ACROLEIN W_00121	Amount Added: 4.00	Units: uL	
GASES Li_00414	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00134	Amount Added: 20.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 07-Apr-2021 12:21:59

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01596.D

Injection Date: 06-Apr-2021 08:34:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

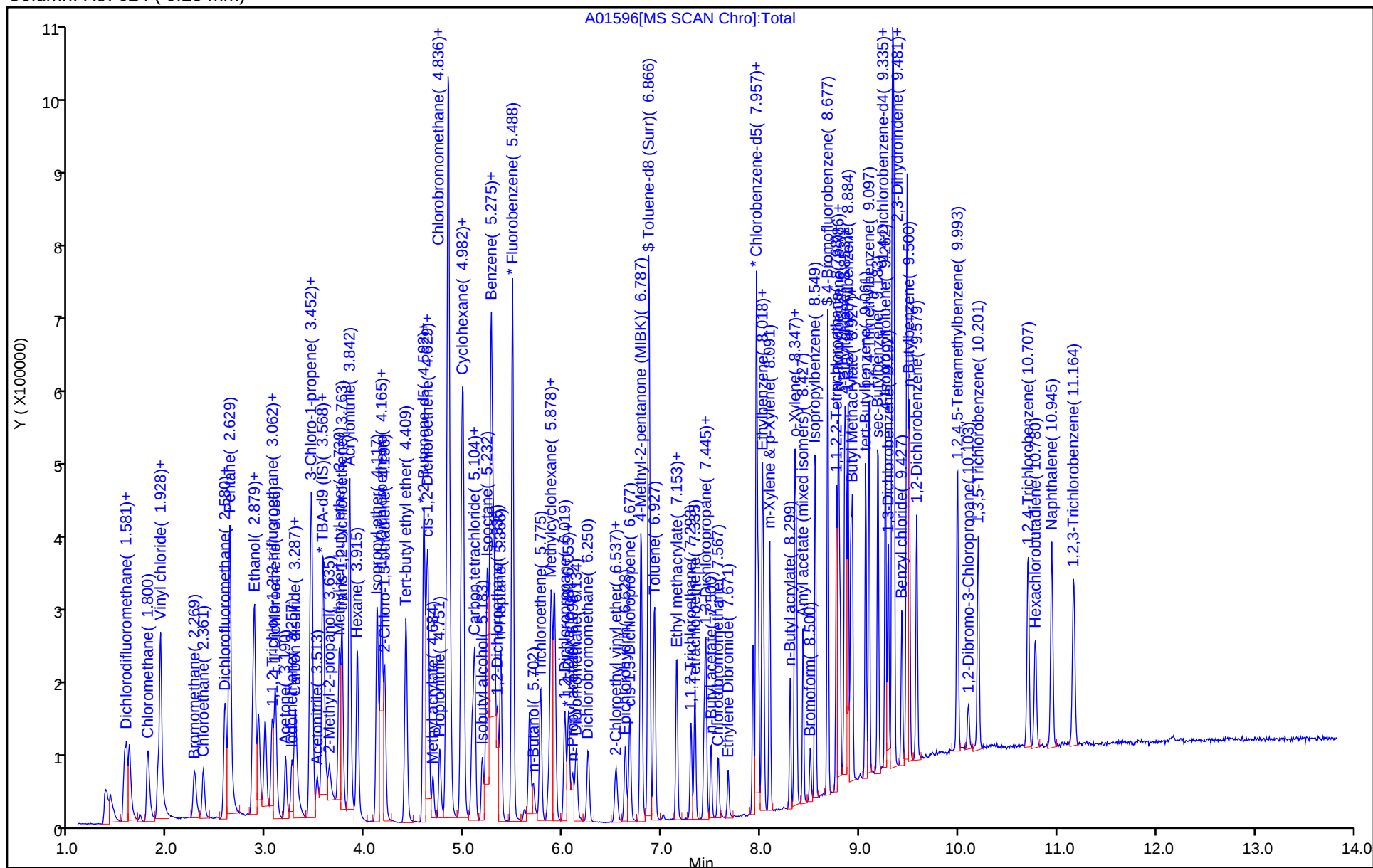
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01596.D

Injection Date: 06-Apr-2021 08:34:30

Instrument ID: CVOAMS1

Lims ID: LCS

Client ID:

Operator ID: VOA GC/MS1

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

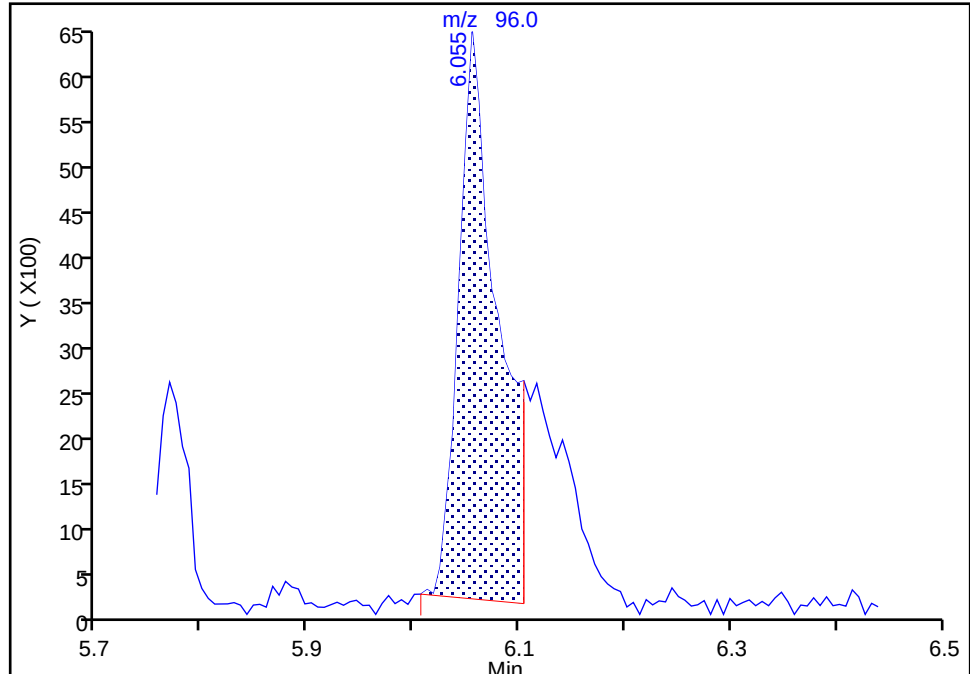
Detector: MS SCAN

* 73 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

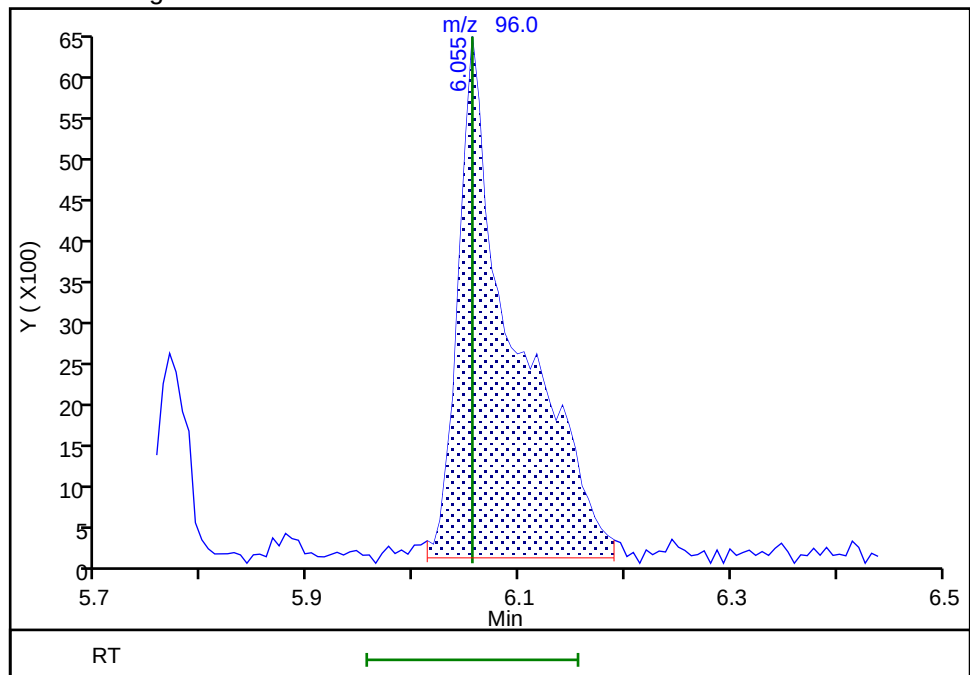
RT: 6.06
Area: 16299
Amount: 1000.0000
Amount Units: ug/l

Processing Integration Results



RT: 6.06
Area: 23588
Amount: 1000.0000
Amount Units: ug/l

Manual Integration Results



Reviewer: moroneyc, 06-Apr-2021 09:12:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-769803/4
 Matrix: Water Lab File ID: A01622.D
 Analysis Method: 8260D Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 04/06/2021 20:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 769803 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	21.6		1.0	0.26
156-59-2	cis-1,2-Dichloroethene	22.0		1.0	0.22
79-01-6	Trichloroethene (TCE)	21.3		1.0	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		75-123
2037-26-5	Toluene-d8 (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene	87		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01622.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 06-Apr-2021 20:25:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 460-0126610-004
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 09:59:55 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1669

First Level Reviewer: asfawa

Date: 07-Apr-2021 09:59:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.587	1.587	0.000	99	86788	20.0	20.1	
6 Chloromethane	50	1.800	1.794	0.006	99	130977	20.0	26.1	
7 Vinyl chloride	62	1.904	1.904	0.000	98	111831	20.0	25.1	
8 Butadiene	39	1.928	1.928	0.000	98	107405	20.0	31.5	
9 Bromomethane	94	2.270	2.270	0.000	98	60013	20.0	20.3	
10 Chloroethane	64	2.361	2.361	0.000	100	61777	20.0	25.9	
11 Dichlorofluoromethane	67	2.580	2.580	0.000	98	136546	20.0	24.4	
12 Trichlorofluoromethane	101	2.580	2.580	0.000	56	90928	20.0	21.1	
13 Pentane	72	2.629	2.629	0.000	96	24983	40.0	44.8	
14 Ethanol	46	2.812	2.806	0.006	97	20686	800.0	1064.9	
15 Ethyl ether	59	2.861	2.861	0.000	95	71040	20.0	25.1	
16 2-Methyl-1,3-butadiene	53	2.879	2.879	0.000	98	76479	20.0	26.6	
19 Acrolein	56	3.056	3.056	0.000	97	27702	40.0	73.2	
20 112TCTFE	101	3.056	3.056	0.000	94	62687	20.0	22.6	
21 1,1-Dichloroethene	96	3.086	3.086	0.000	95	64415	20.0	21.6	
22 Acetone	58	3.190	3.190	0.000	87	40791	100.0	91.7	
23 Iodomethane	142	3.257	3.257	0.000	98	100816	20.0	18.8	
24 Isopropyl alcohol	45	3.288	3.288	0.000	43	57351	200.0	248.2	
25 Carbon disulfide	76	3.288	3.294	-0.006	99	266531	20.0	23.6	
26 3-Chloro-1-propene	76	3.440	3.440	0.000	91	47075	20.0	21.8	
27 Methyl acetate	43	3.452	3.452	0.000	99	140320	40.0	54.2	
28 Cyclopentene	67	3.458	3.458	0.000	95	196739	20.0	25.0	
29 Acetonitrile	41	3.513	3.513	0.000	99	121897	200.0	329.6	
* 30 TBA-d9 (IS)	65	3.568	3.562	0.006	80	364617	1000.0	1000.0	
31 Methylene Chloride	84	3.574	3.574	0.000	98	84615	20.0	23.7	
32 2-Methyl-2-propanol	59	3.635	3.635	0.000	99	82598	200.0	217.9	
33 Methyl tert-butyl ether	73	3.739	3.739	0.000	98	233805	20.0	23.9	
34 trans-1,2-Dichloroethene	96	3.763	3.763	0.000	98	75171	20.0	21.7	
35 Acrylonitrile	53	3.842	3.842	0.000	95	353170	200.0	268.1	
36 Hexane	43	3.916	3.916	0.000	94	75067	20.0	28.9	
37 Isopropyl ether	45	4.117	4.117	0.000	99	283577	20.0	28.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 1,1-Dichloroethane	63	4.153	4.153	0.000	99	147455	20.0	24.9	
39 Vinyl acetate	86	4.166	4.165	0.001	100	31376	40.0	43.0	
40 2-Chloro-1,3-butadiene	88	4.196	4.196	0.000	92	63718	20.0	22.0	
41 Tert-butyl ethyl ether	59	4.409	4.409	0.000	88	261519	20.0	26.0	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	96	426348	250.0	250.0	
43 2,2-Dichloropropane	97	4.604	4.598	0.006	96	23683	20.0	23.2	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	92	81789	20.0	22.0	
45 2-Butanone (MEK)	72	4.635	4.635	0.000	96	45230	100.0	89.0	
46 Ethyl acetate	70	4.641	4.635	0.006	96	17118	40.0	38.2	
47 Methyl acrylate	55	4.684	4.684	0.000	99	70635	20.0	25.3	
48 Propionitrile	54	4.751	4.751	0.000	98	130610	200.0	235.8	
50 Chlorobromomethane	128	4.818	4.818	0.000	98	36862	20.0	19.9	
49 Tetrahydrofuran	72	4.818	4.818	0.000	66	19970	40.0	36.1	
51 Methacrylonitrile	67	4.836	4.836	0.000	94	342441	200.0	253.4	
52 Chloroform	83	4.860	4.860	0.000	98	129743	20.0	23.3	
53 Cyclohexane	56	4.970	4.970	0.000	95	147080	20.0	26.9	
54 1,1,1-Trichloroethane	97	4.982	4.982	0.000	97	100387	20.0	22.0	
\$ 55 Dibromofluoromethane (Surr)	113	4.989	4.989	0.000	97	158025	50.0	50.3	
56 Carbon tetrachloride	117	5.080	5.080	0.000	97	78467	20.0	21.5	
57 1,1-Dichloropropene	75	5.104	5.104	0.000	94	101031	20.0	23.0	
58 Isobutyl alcohol	43	5.184	5.184	0.000	97	83958	500.0	593.2	
59 Isooctane	57	5.232	5.232	0.000	98	307287	20.0	28.7	
60 Benzene	78	5.269	5.269	0.000	96	302868	20.0	26.2	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	86	207249	50.0	58.7	
62 Isopropyl acetate	61	5.287	5.287	0.000	96	33572	20.0	23.9	
63 Tert-amyl methyl ether	87	5.306	5.299	0.007	99	67572	20.0	21.6	
64 1,2-Dichloroethane	62	5.336	5.336	0.000	96	99063	20.0	24.3	
65 n-Heptane	71	5.373	5.366	0.007	95	70500	20.0	21.0	
* 66 Fluorobenzene	96	5.488	5.488	0.000	98	594877	50.0	50.0	
67 n-Butanol	56	5.702	5.696	0.006	89	52548	500.0	563.6	
68 Trichloroethene	95	5.769	5.775	-0.006	97	70534	20.0	21.3	
69 Ethyl acrylate	55	5.848	5.854	-0.006	1	73631	20.0	11.9	a
70 Methylcyclohexane	83	5.879	5.879	0.000	94	127693	20.0	23.8	
71 1,2-Dichloropropane	63	6.019	6.019	0.000	93	77198	20.0	25.3	
72 Methyl methacrylate	100	6.055	6.055	0.000	93	27642	40.0	37.6	a
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	93	30733	1000.0	1000.0	
74 n-Propyl acetate	43	6.092	6.092	0.000	99	88885	20.0	24.7	
75 1,4-Dioxane	88	6.104	6.098	0.006	27	15245	400.0	489.6	
76 Dibromomethane	93	6.135	6.135	0.000	97	43899	20.0	22.2	
77 Dichlorobromomethane	83	6.257	6.250	0.007	99	87840	20.0	22.9	
78 2-Chloroethyl vinyl ether	63	6.531	6.531	0.000	97	35416	20.0	22.0	
79 2-Nitropropane	41	6.543	6.543	0.000	98	32435	40.0	68.6	
80 Epichlorohydrin	57	6.628	6.628	0.000	99	134942	400.0	383.3	
81 cis-1,3-Dichloropropene	75	6.677	6.677	0.000	94	112142	20.0	26.3	
82 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	347263	100.0	110.3	
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	99	544224	50.0	55.2	
84 Toluene	91	6.927	6.927	0.000	93	265348	20.0	24.6	
85 Ethyl methacrylate	69	7.147	7.147	0.000	71	67545	20.0	20.9	
86 trans-1,3-Dichloropropene	75	7.153	7.153	0.000	93	91624	20.0	25.6	
87 1,1,2-Trichloroethane	83	7.293	7.293	0.000	97	45620	20.0	24.7	
88 Tetrachloroethene	166	7.336	7.336	0.000	96	54256	20.0	19.0	
89 1,3-Dichloropropane	76	7.427	7.427	0.000	96	91309	20.0	24.6	

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	7.445	7.445	0.000	98	186676	100.0	101.4	
91 n-Butyl acetate	73	7.494	7.500	-0.006	99	14389	20.0	23.1	
92 Chlorodibromomethane	129	7.573	7.573	0.000	96	48851	20.0	21.8	
93 Ethylene Dibromide	107	7.671	7.671	0.000	99	49106	20.0	21.8	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	89	349132	50.0	50.0	
95 Chlorobenzene	112	7.976	7.976	0.000	92	150903	20.0	22.5	
96 Ethylbenzene	106	8.018	8.018	0.000	99	80492	20.0	22.2	
97 1,1,1,2-Tetrachloroethane	131	8.031	8.031	0.000	95	57632	20.0	22.4	
98 m-Xylene & p-Xylene	106	8.092	8.092	0.000	99	97660	20.0	21.7	
99 n-Butyl acrylate	73	8.299	8.299	0.000	96	36532	20.0	21.8	
100 o-Xylene	106	8.348	8.348	0.000	93	106276	20.0	22.7	
101 Styrene	104	8.360	8.360	0.000	94	157610	20.0	22.6	
102 Amyl acetate (mixed isomers)	43	8.427	8.427	0.000	90	121616	20.0	32.1	
103 Bromoform	173	8.500	8.500	0.000	95	30905	20.0	20.6	
104 Isopropylbenzene	105	8.549	8.549	0.000	97	281112	20.0	24.0	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	85	136084	50.0	43.6	
106 1,1,2,2-Tetrachloroethane	83	8.762	8.762	0.000	98	76622	20.0	26.8	
107 Bromobenzene	156	8.768	8.768	0.000	96	58612	20.0	20.1	
108 N-Propylbenzene	91	8.787	8.787	0.000	98	331166	20.0	27.3	
109 trans-1,4-Dichloro-2-butene	53	8.805	8.799	0.006	73	21670	20.0	28.4	
110 1,2,3-Trichloropropane	110	8.805	8.805	0.000	92	18929	20.0	22.1	
111 4-Ethyltoluene	105	8.848	8.848	0.000	98	275857	20.0	27.2	
112 2-Chlorotoluene	91	8.866	8.860	0.006	95	254166	20.0	25.8	
113 1,3,5-Trimethylbenzene	105	8.884	8.884	0.000	92	241383	20.0	25.4	
114 Butyl Methacrylate	87	8.915	8.908	0.007	94	77281	20.0	24.5	
115 4-Chlorotoluene	91	8.927	8.927	0.000	99	193660	20.0	25.2	
116 tert-Butylbenzene	119	9.061	9.061	0.000	92	197747	20.0	24.1	
117 1,2,4-Trimethylbenzene	105	9.097	9.097	0.000	98	238385	20.0	24.4	
118 sec-Butylbenzene	105	9.189	9.183	0.006	99	308053	20.0	26.5	
119 4-Isopropyltoluene	119	9.262	9.262	0.000	97	250016	20.0	24.9	
120 1,3-Dichlorobenzene	146	9.293	9.293	0.000	94	119528	20.0	21.7	
* 121 1,4-Dichlorobenzene-d4	152	9.335	9.329	0.006	97	183454	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.347	9.347	0.000	70	121770	20.0	22.1	
123 1,2,3-Trimethylbenzene	105	9.347	9.347	0.000	98	262823	20.0	25.5	
124 Benzyl chloride	91	9.427	9.427	0.000	98	147042	20.0	26.7	
125 2,3-Dihydroindene	117	9.482	9.475	0.007	91	264406	20.0	25.0	
126 p-Diethylbenzene	119	9.488	9.482	0.006	93	142820	20.0	24.1	
127 n-Butylbenzene	92	9.506	9.500	0.006	98	145494	20.0	26.4	
128 1,2-Dichlorobenzene	146	9.579	9.579	0.000	94	127109	20.0	21.9	
129 1,2,4,5-Tetramethylbenzene	119	9.994	9.988	0.006	97	254803	20.0	25.0	
130 1,2-Dibromo-3-Chloropropane	75	10.103	10.097	0.006	93	16407	20.0	24.3	
131 1,3,5-Trichlorobenzene	180	10.201	10.201	0.000	96	104163	20.0	21.5	
132 1,2,4-Trichlorobenzene	180	10.707	10.701	0.006	94	104657	20.0	21.8	
133 Hexachlorobutadiene	225	10.780	10.780	0.000	96	48074	20.0	19.8	
134 Naphthalene	128	10.945	10.945	0.000	99	261987	20.0	24.0	
135 1,2,3-Trichlorobenzene	180	11.170	11.164	0.006	95	96649	20.0	22.1	
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.7	
S 137 Xylenes, Total	100				0		40.0	44.4	
S 138 Total BTEX	1				0		100.0	117.4	
S 139 1,3-Dichloropropene, Total	100				0		40.0	51.9	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00121	Amount Added: 4.00	Units: uL	
GASES Li_00414	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00134	Amount Added: 20.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01622.D

Injection Date: 06-Apr-2021 20:25:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

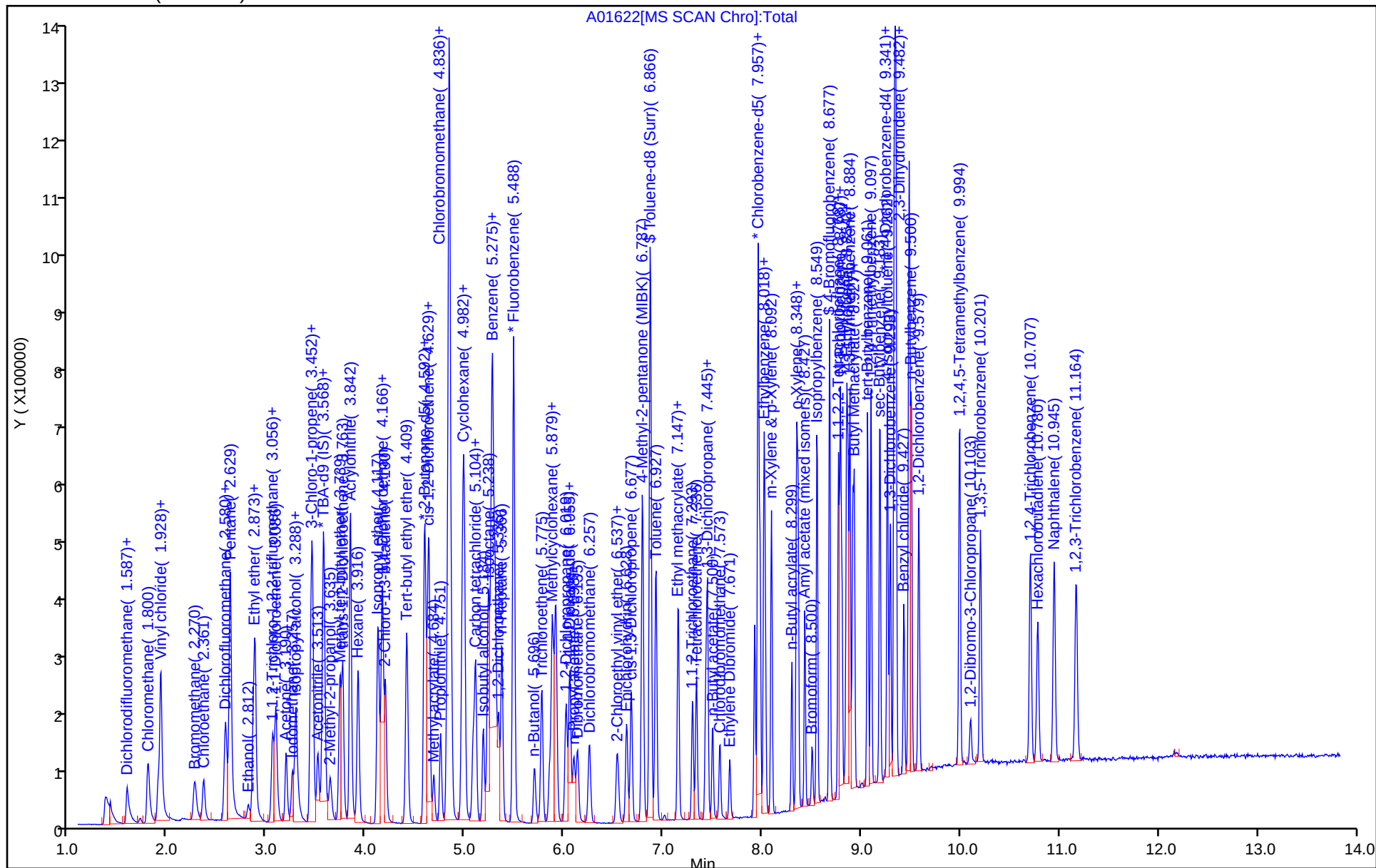
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 460-769671/6
 Matrix: Water Lab File ID: A01597.D
 Analysis Method: 8260D Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 04/06/2021 09:00
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 769671 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	19.2		1.0	0.26
156-59-2	cis-1,2-Dichloroethene	20.0		1.0	0.22
79-01-6	Trichloroethene (TCE)	19.3		1.0	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		75-123
2037-26-5	Toluene-d8 (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene	87		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01597.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 06-Apr-2021 09:00:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCSD
 Misc. Info.: 460-0126577-006
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 12:21:01 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1669

First Level Reviewer: moroneyc

Date: 06-Apr-2021 09:22:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.587	1.587	0.000	99	92873	20.0	20.7	
6 Chloromethane	50	1.800	1.800	0.000	99	119179	20.0	22.9	
7 Vinyl chloride	62	1.904	1.904	0.000	98	100977	20.0	21.8	
8 Butadiene	39	1.928	1.928	0.000	98	99851	20.0	28.2	
9 Bromomethane	94	2.270	2.269	0.001	99	54138	20.0	17.6	
10 Chloroethane	64	2.361	2.361	0.000	99	54780	20.0	22.2	
11 Dichlorofluoromethane	67	2.580	2.580	0.000	97	123180	20.0	21.3	
12 Trichlorofluoromethane	101	2.580	2.580	0.000	59	86699	20.0	19.4	
13 Pentane	72	2.629	2.629	0.000	96	25237	40.0	44.2	
14 Ethanol	46	2.812	2.812	0.000	99	17199	800.0	864.5	
15 Ethyl ether	59	2.861	2.861	0.000	93	67452	20.0	23.0	
16 2-Methyl-1,3-butadiene	53	2.879	2.879	0.000	94	69651	20.0	23.4	
19 Acrolein	56	3.056	3.056	0.000	97	19949	40.0	51.4	
20 112TCTFE	101	3.056	3.056	0.000	94	59493	20.0	20.7	
21 1,1-Dichloroethene	96	3.093	3.092	0.001	95	59413	20.0	19.2	
22 Acetone	58	3.196	3.196	0.000	87	40700	100.0	91.7	
23 Iodomethane	142	3.257	3.257	0.000	98	94838	20.0	17.1	
24 Isopropyl alcohol	45	3.294	3.294	0.000	43	55510	200.0	234.6	
25 Carbon disulfide	76	3.294	3.294	0.000	99	244373	20.0	20.9	
26 3-Chloro-1-propene	76	3.440	3.440	0.000	92	44211	20.0	19.8	
27 Methyl acetate	43	3.458	3.452	0.006	98	139802	40.0	52.1	
28 Cyclopentene	67	3.458	3.458	0.000	94	184554	20.0	22.6	
29 Acetonitrile	41	3.513	3.513	0.000	99	122461	200.0	323.3	
* 30 TBA-d9 (IS)	65	3.568	3.568	0.000	81	373451	1000.0	1000.0	
31 Methylene Chloride	84	3.574	3.574	0.000	95	78425	20.0	21.2	
32 2-Methyl-2-propanol	59	3.641	3.641	0.000	99	81774	200.0	210.6	
33 Methyl tert-butyl ether	73	3.739	3.739	0.000	98	223996	20.0	22.1	
34 trans-1,2-Dichloroethene	96	3.763	3.763	0.000	98	70787	20.0	19.7	
35 Acrylonitrile	53	3.842	3.842	0.000	94	351670	200.0	257.6	
36 Hexane	43	3.922	3.922	0.000	95	69653	20.0	25.9	
37 Isopropyl ether	45	4.123	4.123	0.000	98	269455	20.0	26.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 1,1-Dichloroethane	63	4.153	4.153	0.000	99	135850	20.0	22.2	
39 Vinyl acetate	86	4.166	4.165	0.001	100	28733	40.0	38.4	
40 2-Chloro-1,3-butadiene	88	4.196	4.196	0.000	92	59643	20.0	19.9	
41 Tert-butyl ethyl ether	59	4.409	4.409	0.000	88	250924	20.0	24.1	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	94	425517	250.0	250.0	
43 2,2-Dichloropropane	97	4.604	4.598	0.006	96	20729	20.0	19.6	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	92	77203	20.0	20.0	
46 Ethyl acetate	70	4.641	4.635	0.006	96	15977	40.0	35.7	
45 2-Butanone (MEK)	72	4.635	4.635	0.000	96	44734	100.0	88.2	
47 Methyl acrylate	55	4.684	4.684	0.000	100	69139	20.0	23.9	
48 Propionitrile	54	4.751	4.751	0.000	99	127376	200.0	224.6	
50 Chlorobromomethane	128	4.818	4.818	0.000	98	36129	20.0	18.8	
49 Tetrahydrofuran	72	4.818	4.818	0.000	73	19485	40.0	35.3	
51 Methacrylonitrile	67	4.836	4.842	-0.006	94	339923	200.0	242.7	
52 Chloroform	83	4.861	4.860	0.001	98	122250	20.0	21.2	
53 Cyclohexane	56	4.970	4.970	0.000	95	137087	20.0	24.2	
54 1,1,1-Trichloroethane	97	4.982	4.982	0.000	97	92335	20.0	19.5	
\$ 55 Dibromofluoromethane (Surr)	113	4.989	4.988	0.001	97	163563	50.0	50.3	
56 Carbon tetrachloride	117	5.080	5.080	0.000	97	74012	20.0	19.6	
57 1,1-Dichloropropene	75	5.104	5.104	0.000	94	93669	20.0	20.5	
58 Isobutyl alcohol	43	5.184	5.184	0.000	94	83871	500.0	578.6	
59 Isooctane	57	5.232	5.232	0.000	98	291424	20.0	26.3	
60 Benzene	78	5.269	5.269	0.000	96	283984	20.0	23.5	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	86	213806	50.0	58.4	
62 Isopropyl acetate	61	5.287	5.287	0.000	97	33035	20.0	22.7	
63 Tert-amyl methyl ether	87	5.306	5.299	0.007	93	65919	20.0	20.3	
64 1,2-Dichloroethane	62	5.336	5.336	0.000	96	95471	20.0	22.6	
65 n-Heptane	71	5.373	5.372	0.001	96	62758	20.0	18.0	
* 66 Fluorobenzene	96	5.488	5.488	0.000	98	616544	50.0	50.0	
67 n-Butanol	56	5.696	5.702	-0.006	90	50598	500.0	529.9	
68 Trichloroethene	95	5.775	5.775	0.000	96	66370	20.0	19.3	
69 Ethyl acrylate	55	5.854	5.854	0.000	1	71377	20.0	11.2	a
70 Methylcyclohexane	83	5.879	5.878	0.001	94	120550	20.0	21.7	
71 1,2-Dichloropropane	63	6.019	6.019	0.000	94	72623	20.0	23.0	
* 73 1,4-Dioxane-d8	96	6.049	6.055	-0.006	94	31833	1000.0	1000.0	
72 Methyl methacrylate	100	6.055	6.055	0.000	91	27711	40.0	36.4	
74 n-Propyl acetate	43	6.098	6.098	0.000	99	88380	20.0	23.7	
75 1,4-Dioxane	88	6.110	6.104	0.006	27	14407	400.0	446.7	
76 Dibromomethane	93	6.135	6.135	0.000	97	42256	20.0	20.6	
77 Dichlorobromomethane	83	6.257	6.250	0.007	99	83300	20.0	20.9	
78 2-Chloroethyl vinyl ether	63	6.531	6.531	0.000	88	34872	20.0	20.9	
79 2-Nitropropane	41	6.543	6.543	0.000	89	32116	40.0	65.6	
80 Epichlorohydrin	57	6.628	6.628	0.000	99	135540	400.0	385.7	
81 cis-1,3-Dichloropropene	75	6.677	6.677	0.000	94	105559	20.0	23.7	
82 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	343776	100.0	109.4	
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	99	566157	50.0	55.1	
84 Toluene	91	6.927	6.927	0.000	93	248600	20.0	22.1	
85 Ethyl methacrylate	69	7.147	7.147	0.000	74	65577	20.0	19.6	
86 trans-1,3-Dichloropropene	75	7.153	7.153	0.000	91	87906	20.0	23.6	
87 1,1,2-Trichloroethane	83	7.293	7.293	0.000	95	44547	20.0	23.1	
88 Tetrachloroethene	166	7.336	7.336	0.000	96	50777	20.0	17.1	
89 1,3-Dichloropropane	76	7.427	7.427	0.000	99	89597	20.0	23.1	

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	7.445	7.445	0.000	97	184881	100.0	100.6	
91 n-Butyl acetate	73	7.500	7.500	0.000	98	14030	20.0	21.6	
92 Chlorodibromomethane	129	7.573	7.573	0.000	98	47645	20.0	20.4	
93 Ethylene Dibromide	107	7.671	7.671	0.000	98	47647	20.0	20.3	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	89	363948	50.0	50.0	
95 Chlorobenzene	112	7.976	7.976	0.000	92	140219	20.0	20.0	
96 Ethylbenzene	106	8.018	8.018	0.000	99	76364	20.0	20.2	
97 1,1,1,2-Tetrachloroethane	131	8.031	8.031	0.001	95	55342	20.0	20.7	
98 m-Xylene & p-Xylene	106	8.092	8.091	0.001	99	92379	20.0	19.7	
99 n-Butyl acrylate	73	8.299	8.299	0.000	97	35839	20.0	20.5	
100 o-Xylene	106	8.348	8.348	0.000	93	99403	20.0	20.4	
101 Styrene	104	8.360	8.360	0.000	94	145339	20.0	20.0	
102 Amyl acetate (mixed isomers)	43	8.427	8.427	0.000	90	115478	20.0	30.4	
103 Bromoform	173	8.500	8.500	0.000	95	30783	20.0	19.7	
104 Isopropylbenzene	105	8.549	8.549	0.000	96	261830	20.0	21.5	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	85	140891	50.0	43.3	
106 1,1,2,2-Tetrachloroethane	83	8.762	8.762	0.000	98	74335	20.0	26.0	
107 Bromobenzene	156	8.768	8.768	0.000	95	56862	20.0	19.5	
108 N-Propylbenzene	91	8.787	8.786	0.001	98	299988	20.0	24.7	
109 trans-1,4-Dichloro-2-butene	53	8.799	8.799	0.000	71	20544	20.0	26.9	
110 1,2,3-Trichloropropane	110	8.805	8.805	0.000	89	19322	20.0	22.5	
111 4-Ethyltoluene	105	8.848	8.847	0.001	98	257111	20.0	25.3	
112 2-Chlorotoluene	91	8.866	8.860	0.006	96	235990	20.0	23.9	
113 1,3,5-Trimethylbenzene	105	8.884	8.884	0.000	92	225182	20.0	23.7	
114 Butyl Methacrylate	87	8.909	8.914	-0.005	96	74201	20.0	23.4	
115 4-Chlorotoluene	91	8.927	8.927	0.000	99	179302	20.0	23.3	
116 tert-Butylbenzene	119	9.061	9.061	0.000	92	185244	20.0	22.5	
117 1,2,4-Trimethylbenzene	105	9.098	9.097	0.001	98	222125	20.0	22.7	
118 sec-Butylbenzene	105	9.183	9.189	-0.006	99	285978	20.0	24.6	
119 4-Isopropyltoluene	119	9.262	9.262	0.000	98	230181	20.0	22.8	
120 1,3-Dichlorobenzene	146	9.293	9.292	0.001	95	111213	20.0	20.2	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	98	183839	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.347	9.347	0.000	72	112230	20.0	20.3	
123 1,2,3-Trimethylbenzene	105	9.347	9.347	0.000	98	245993	20.0	23.8	
124 Benzyl chloride	91	9.427	9.427	0.000	98	136589	20.0	24.7	
125 2,3-Dihydroindene	117	9.475	9.475	0.000	92	245813	20.0	23.2	
126 p-Diethylbenzene	119	9.488	9.481	0.007	91	130391	20.0	22.0	
127 n-Butylbenzene	92	9.506	9.500	0.006	99	133368	20.0	24.1	
128 1,2-Dichlorobenzene	146	9.579	9.579	0.000	94	120905	20.0	20.8	
129 1,2,4,5-Tetramethylbenzene	119	9.994	9.994	0.000	97	235107	20.0	23.1	
130 1,2-Dibromo-3-Chloropropane	75	10.097	10.097	0.000	93	15786	20.0	23.4	
131 1,3,5-Trichlorobenzene	180	10.201	10.201	0.000	96	97772	20.0	20.1	
132 1,2,4-Trichlorobenzene	180	10.707	10.707	0.000	94	97195	20.0	20.2	
133 Hexachlorobutadiene	225	10.780	10.780	0.000	96	45393	20.0	18.7	
134 Naphthalene	128	10.945	10.945	0.000	99	261367	20.0	23.9	
135 1,2,3-Trichlorobenzene	180	11.164	11.164	0.000	95	92175	20.0	21.0	
S 136 1,2-Dichloroethene, Total	100				0		40.0	39.7	
S 137 Xylenes, Total	100				0		40.0	40.0	
S 138 Total BTEX	1				0		100.0	105.9	
S 139 1,3-Dichloropropene, Total	100				0		40.0	47.3	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00121	Amount Added: 4.00	Units: uL	
GASES Li_00414	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00134	Amount Added: 20.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126577.b\A01597.D

Injection Date: 06-Apr-2021 09:00:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: LCSD

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

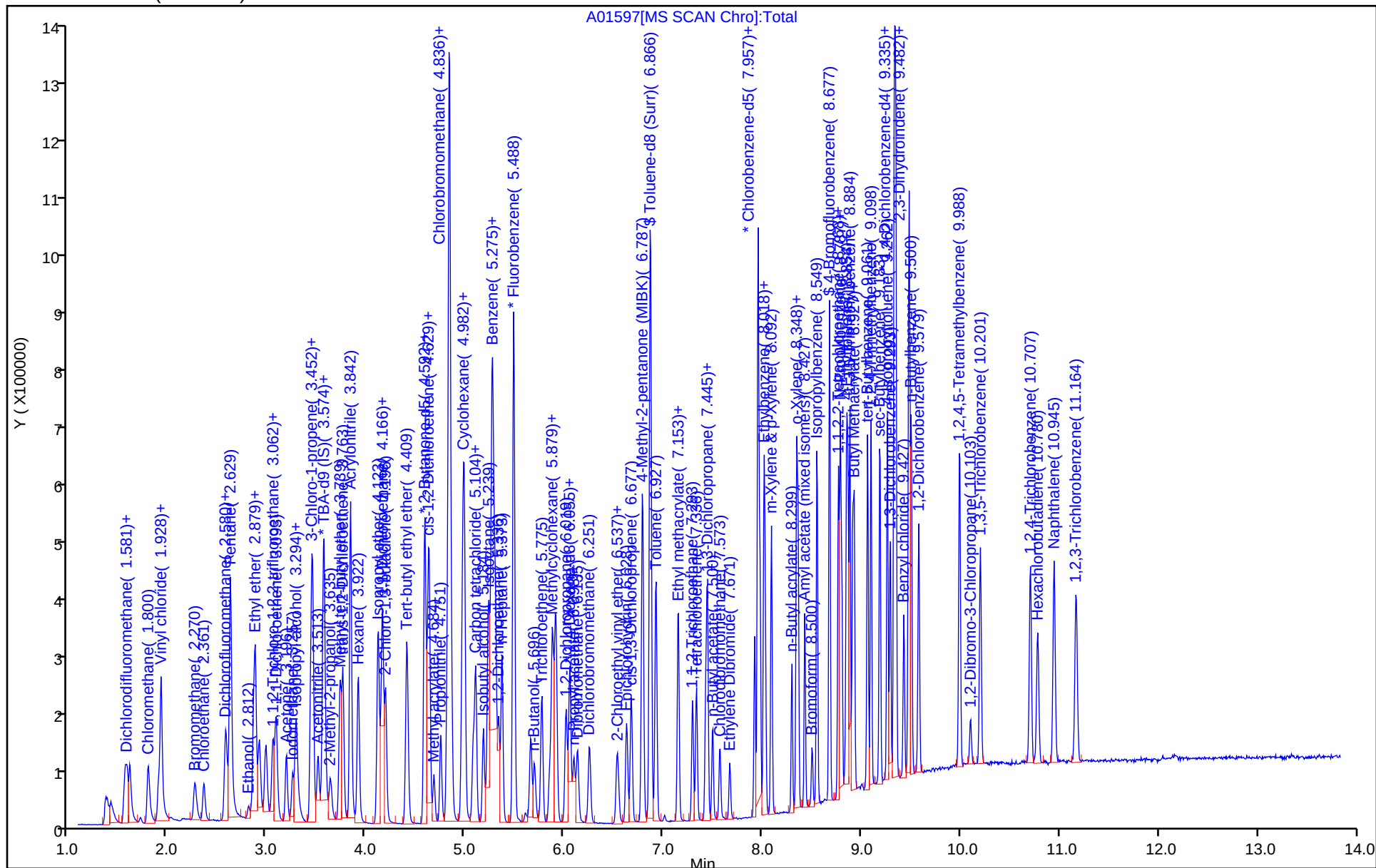
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 460-769803/5
 Matrix: Water Lab File ID: A01623.D
 Analysis Method: 8260D Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 04/06/2021 20:53
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 769803 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	20.4		1.0	0.26
156-59-2	cis-1,2-Dichloroethene	20.4		1.0	0.22
79-01-6	Trichloroethene (TCE)	20.2		1.0	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		75-123
2037-26-5	Toluene-d8 (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene	90		76-120
1868-53-7	Dibromofluoromethane (Surr)	99		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01623.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 06-Apr-2021 20:53:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCSD
 Misc. Info.: 460-0126610-005
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\8260624W_1.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 10:01:31 Calib Date: 30-Mar-2021 05:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20210330-126200.b\A01250.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1669

First Level Reviewer: asfawa

Date: 07-Apr-2021 10:01:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.587	1.587	0.000	99	97723	20.0	19.7	
6 Chloromethane	50	1.800	1.794	0.006	99	135818	20.0	23.6	
7 Vinyl chloride	62	1.904	1.904	0.000	98	121086	20.0	23.7	
8 Butadiene	39	1.928	1.928	0.000	99	115716	20.0	29.6	
9 Bromomethane	94	2.269	2.270	-0.001	98	64750	20.0	19.1	
10 Chloroethane	64	2.361	2.361	0.000	100	64289	20.0	23.5	
11 Dichlorofluoromethane	67	2.580	2.580	0.000	97	146060	20.0	22.8	
12 Trichlorofluoromethane	101	2.580	2.580	0.000	58	100430	20.0	20.4	
13 Pentane	72	2.629	2.629	0.000	96	27260	40.0	44.2	
14 Ethanol	46	2.812	2.806	0.006	98	22866	800.0	1064.1	
15 Ethyl ether	59	2.861	2.861	0.000	95	74797	20.0	23.0	
16 2-Methyl-1,3-butadiene	53	2.879	2.879	0.000	98	79702	20.0	24.2	
19 Acrolein	56	3.056	3.056	0.000	94	24785	40.0	59.2	
20 112TCTFE	101	3.062	3.056	0.006	96	68300	20.0	21.5	
21 1,1-Dichloroethene	96	3.086	3.086	0.000	96	69584	20.0	20.4	
22 Acetone	58	3.190	3.190	0.000	87	42538	100.0	89.3	
23 Iodomethane	142	3.257	3.257	0.000	98	111973	20.0	18.2	
24 Isopropyl alcohol	45	3.294	3.288	0.006	42	60381	200.0	236.2	
25 Carbon disulfide	76	3.294	3.294	0.000	99	286567	20.0	22.2	
26 3-Chloro-1-propene	76	3.440	3.440	0.000	92	50576	20.0	20.5	
27 Methyl acetate	43	3.458	3.452	0.006	100	142370	40.0	48.0	
28 Cyclopentene	67	3.458	3.458	0.000	92	211364	20.0	23.4	
29 Acetonitrile	41	3.513	3.513	0.000	100	131858	200.0	322.3	
* 30 TBA-d9 (IS)	65	3.568	3.562	0.006	81	403351	1000.0	1000.0	
31 Methylene Chloride	84	3.574	3.574	0.000	95	88841	20.0	21.7	
32 2-Methyl-2-propanol	59	3.641	3.635	0.006	99	88543	200.0	211.2	
33 Methyl tert-butyl ether	73	3.739	3.739	0.000	98	246424	20.0	22.0	
34 trans-1,2-Dichloroethene	96	3.763	3.763	0.000	97	81824	20.0	20.6	
35 Acrylonitrile	53	3.842	3.842	0.000	95	373299	200.0	247.3	
36 Hexane	43	3.915	3.916	-0.001	94	80640	20.0	27.1	
37 Isopropyl ether	45	4.117	4.117	0.000	99	290049	20.0	25.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 1,1-Dichloroethane	63	4.153	4.153	0.000	99	155573	20.0	23.0	
39 Vinyl acetate	86	4.165	4.165	0.000	100	33332	40.0	41.2	
40 2-Chloro-1,3-butadiene	88	4.196	4.196	0.000	92	68352	20.0	20.6	
41 Tert-butyl ethyl ether	59	4.409	4.409	0.000	89	271085	20.0	23.6	
* 42 2-Butanone-d5	46	4.586	4.586	0.000	96	456745	250.0	250.0	
43 2,2-Dichloropropane	97	4.604	4.598	0.006	96	25189	20.0	21.5	
44 cis-1,2-Dichloroethene	96	4.623	4.623	0.000	93	86907	20.0	20.4	
45 2-Butanone (MEK)	72	4.635	4.635	0.000	96	47128	100.0	86.6	
46 Ethyl acetate	70	4.635	4.635	0.000	95	17358	40.0	36.1	
47 Methyl acrylate	55	4.684	4.684	0.000	99	73612	20.0	23.0	
48 Propionitrile	54	4.751	4.751	0.000	98	134746	200.0	219.9	
50 Chlorobromomethane	128	4.818	4.818	0.000	97	40849	20.0	19.3	
49 Tetrahydrofuran	72	4.818	4.818	0.000	68	22320	40.0	37.6	
51 Methacrylonitrile	67	4.836	4.836	0.000	94	366990	200.0	237.0	
52 Chloroform	83	4.860	4.860	0.000	97	136876	20.0	21.5	
53 Cyclohexane	56	4.970	4.970	0.000	93	155955	20.0	24.9	
54 1,1,1-Trichloroethane	97	4.982	4.982	0.000	96	107002	20.0	20.5	
\$ 55 Dibromofluoromethane (Surr)	113	4.988	4.989	0.000	98	178389	50.0	49.6	
56 Carbon tetrachloride	117	5.080	5.080	0.000	98	87923	20.0	21.0	
57 1,1-Dichloropropene	75	5.104	5.104	0.000	96	109513	20.0	21.7	
58 Isobutyl alcohol	43	5.183	5.184	-0.001	97	87349	500.0	557.9	
59 Isooctane	57	5.232	5.232	0.000	98	335460	20.0	27.4	
60 Benzene	78	5.269	5.269	0.000	96	329269	20.0	24.7	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.000	87	229549	50.0	56.7	
62 Isopropyl acetate	61	5.287	5.287	0.000	97	35006	20.0	21.8	
63 Tert-amyl methyl ether	87	5.305	5.299	0.006	92	74454	20.0	20.8	
64 1,2-Dichloroethane	62	5.336	5.336	0.000	97	105756	20.0	22.6	
65 n-Heptane	71	5.372	5.366	0.006	94	74345	20.0	19.3	
* 66 Fluorobenzene	96	5.488	5.488	0.000	98	681619	50.0	50.0	
67 n-Butanol	56	5.702	5.696	0.006	88	55263	500.0	535.8	
68 Trichloroethene	95	5.775	5.775	0.000	97	76588	20.0	20.2	
69 Ethyl acrylate	55	5.854	5.854	0.000	1	78547	20.0	11.1	a
70 Methylcyclohexane	83	5.878	5.879	-0.001	94	141324	20.0	23.0	
71 1,2-Dichloropropane	63	6.019	6.019	0.000	94	81304	20.0	23.3	
72 Methyl methacrylate	100	6.055	6.055	0.000	89	31158	40.0	37.0	a
* 73 1,4-Dioxane-d8	96	6.055	6.055	0.000	94	40654	1000.0	1000.0	
74 n-Propyl acetate	43	6.098	6.092	0.006	98	91736	20.0	22.3	
75 1,4-Dioxane	88	6.104	6.098	0.006	27	19243	400.0	467.2	
76 Dibromomethane	93	6.128	6.135	-0.007	97	48050	20.0	21.2	
77 Dichlorobromomethane	83	6.250	6.250	0.000	99	94026	20.0	21.4	
78 2-Chloroethyl vinyl ether	63	6.531	6.531	0.000	97	37582	20.0	20.3	
79 2-Nitropropane	41	6.543	6.543	0.000	97	34698	40.0	64.1	
80 Epichlorohydrin	57	6.628	6.628	0.000	99	144607	400.0	383.4	
81 cis-1,3-Dichloropropene	75	6.677	6.677	0.000	94	118624	20.0	24.2	
82 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	97	358488	100.0	106.3	
\$ 83 Toluene-d8 (Surr)	98	6.866	6.866	0.000	99	625966	50.0	55.2	
84 Toluene	91	6.927	6.927	0.000	93	288582	20.0	23.3	
85 Ethyl methacrylate	69	7.153	7.147	0.006	71	71783	20.0	19.4	
86 trans-1,3-Dichloropropene	75	7.153	7.153	0.000	93	97814	20.0	23.8	
87 1,1,2-Trichloroethane	83	7.293	7.293	0.000	97	49992	20.0	23.5	
88 Tetrachloroethene	166	7.335	7.336	-0.001	98	62821	20.0	19.2	
89 1,3-Dichloropropane	76	7.427	7.427	0.000	97	97960	20.0	22.9	

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	7.445	7.445	0.000	97	192947	100.0	97.8	
91 n-Butyl acetate	73	7.500	7.500	0.000	99	15396	20.0	21.5	
92 Chlorodibromomethane	129	7.573	7.573	0.000	98	55014	20.0	21.3	
93 Ethylene Dibromide	107	7.671	7.671	0.000	97	53533	20.0	20.7	
* 94 Chlorobenzene-d5	117	7.957	7.957	0.000	88	401568	50.0	50.0	
95 Chlorobenzene	112	7.976	7.976	0.000	93	164427	20.0	21.3	
96 Ethylbenzene	106	8.018	8.018	0.000	99	88923	20.0	21.3	
97 1,1,1,2-Tetrachloroethane	131	8.030	8.031	-0.001	94	63516	20.0	21.5	
98 m-Xylene & p-Xylene	106	8.091	8.092	-0.001	98	108394	20.0	20.9	
99 n-Butyl acrylate	73	8.299	8.299	0.000	96	39626	20.0	20.6	
100 o-Xylene	106	8.347	8.348	-0.001	94	117607	20.0	21.8	
101 Styrene	104	8.360	8.360	0.000	94	170380	20.0	21.2	
102 Amyl acetate (mixed isomers)	43	8.427	8.427	0.000	90	122612	20.0	28.5	
103 Bromoform	173	8.500	8.500	0.000	96	34393	20.0	20.0	
104 Isopropylbenzene	105	8.549	8.549	0.000	96	311993	20.0	23.2	
\$ 105 4-Bromofluorobenzene	174	8.677	8.677	0.000	87	161373	50.0	45.0	
106 1,1,2,2-Tetrachloroethane	83	8.762	8.762	0.000	98	79775	20.0	24.6	
107 Bromobenzene	156	8.768	8.768	0.000	98	66732	20.0	20.2	
108 N-Propylbenzene	91	8.786	8.787	-0.001	98	353062	20.0	25.7	
109 trans-1,4-Dichloro-2-butene	53	8.799	8.799	0.000	71	22241	20.0	25.7	
110 1,2,3-Trichloropropane	110	8.805	8.805	0.000	89	21098	20.0	21.7	
111 4-Ethyltoluene	105	8.847	8.848	-0.001	98	273917	20.0	23.8	
112 2-Chlorotoluene	91	8.860	8.860	0.000	96	274031	20.0	24.5	
113 1,3,5-Trimethylbenzene	105	8.884	8.884	0.000	92	262009	20.0	24.3	
114 Butyl Methacrylate	87	8.908	8.908	0.000	94	80953	20.0	22.6	
115 4-Chlorotoluene	91	8.927	8.927	0.000	99	207869	20.0	23.9	
116 tert-Butylbenzene	119	9.061	9.061	0.000	93	221823	20.0	23.8	
117 1,2,4-Trimethylbenzene	105	9.097	9.097	0.000	98	261524	20.0	23.6	
118 sec-Butylbenzene	105	9.183	9.183	0.000	99	339825	20.0	25.8	
119 4-Isopropyltoluene	119	9.262	9.262	0.000	97	277363	20.0	24.3	
120 1,3-Dichlorobenzene	146	9.292	9.293	-0.001	95	134221	20.0	21.5	
* 121 1,4-Dichlorobenzene-d4	152	9.329	9.329	0.000	97	208105	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.347	9.347	0.000	84	135239	20.0	21.6	
123 1,2,3-Trimethylbenzene	105	9.347	9.347	0.000	98	290685	20.0	24.8	
124 Benzyl chloride	91	9.427	9.427	0.000	98	156962	20.0	25.1	
125 2,3-Dihydroindene	117	9.475	9.475	0.000	93	289326	20.0	24.1	
126 p-Diethylbenzene	119	9.481	9.482	-0.001	94	160744	20.0	24.0	
127 n-Butylbenzene	92	9.500	9.500	0.000	98	155326	20.0	24.8	
128 1,2-Dichlorobenzene	146	9.579	9.579	0.000	95	142977	20.0	21.7	
129 1,2,4,5-Tetramethylbenzene	119	9.987	9.988	-0.001	97	288566	20.0	25.0	
130 1,2-Dibromo-3-Chloropropane	75	10.097	10.097	0.000	94	17527	20.0	22.9	
131 1,3,5-Trichlorobenzene	180	10.201	10.201	0.000	97	122218	20.0	22.2	
132 1,2,4-Trichlorobenzene	180	10.701	10.701	0.000	94	122961	20.0	22.6	
133 Hexachlorobutadiene	225	10.780	10.780	0.000	97	58306	20.0	21.2	
134 Naphthalene	128	10.945	10.945	0.000	99	313885	20.0	25.4	
135 1,2,3-Trichlorobenzene	180	11.164	11.164	0.000	95	117394	20.0	23.6	
S 136 1,2-Dichloroethene, Total	100				0		40.0	41.0	
S 137 Xylenes, Total	100				0		40.0	42.8	
S 138 Total BTEX	1				0		100.0	112.1	
S 139 1,3-Dichloropropene, Total	100				0		40.0	48.0	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00121	Amount Added: 4.00	Units: uL	
GASES Li_00414	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00134	Amount Added: 20.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00217	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20210406-126610.b\A01623.D

Injection Date: 06-Apr-2021 20:53:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: LCSD

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

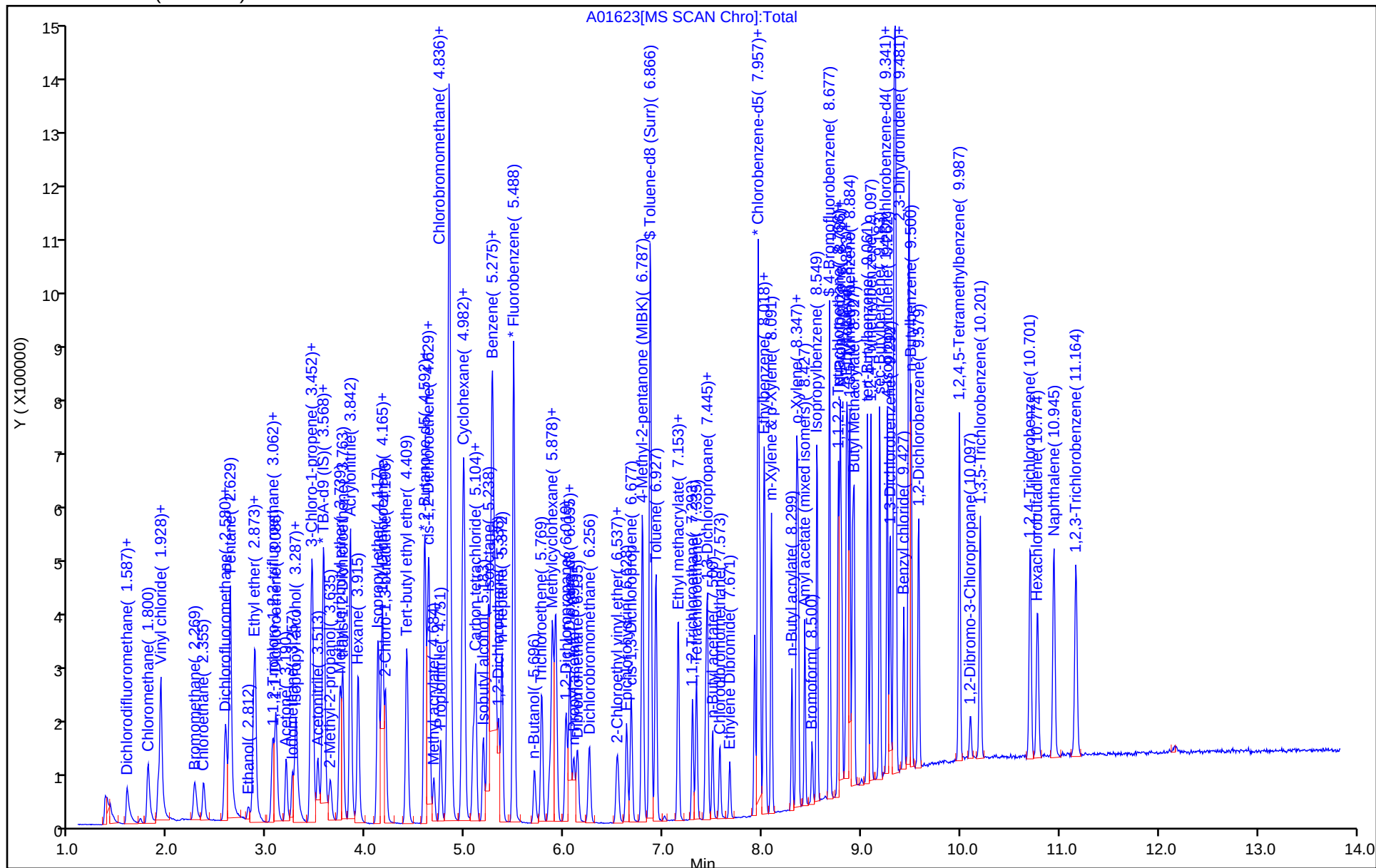
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8260624W_1

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Instrument ID: CVOAMS1 Start Date: 03/30/2021 01:42Analysis Batch Number: 768128 End Date: 03/30/2021 08:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-768128/1		03/30/2021 01:42	1	A01242.D	Rtx-624 0.25 (mm)
STD7 460-768128/3 IC		03/30/2021 02:38	1	A01244.D	Rtx-624 0.25 (mm)
STD1 460-768128/4 IC		03/30/2021 03:05	1	A01245.D	Rtx-624 0.25 (mm)
STD5 460-768128/5 IC		03/30/2021 03:32	1	A01246.D	Rtx-624 0.25 (mm)
STD20 460-768128/6 ICIS		03/30/2021 03:59	1	A01247.D	Rtx-624 0.25 (mm)
STD50 460-768128/7 IC		03/30/2021 04:26	1	A01248.D	Rtx-624 0.25 (mm)
STD200 460-768128/8 IC		03/30/2021 04:54	1	A01249.D	Rtx-624 0.25 (mm)
STD500 460-768128/9 IC		03/30/2021 05:21	1	A01250.D	Rtx-624 0.25 (mm)
ICV 460-768128/16		03/30/2021 08:28	1	A01257.D	Rtx-624 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Instrument ID: CVOAMS1 Start Date: 04/06/2021 06:49Analysis Batch Number: 769671 End Date: 04/06/2021 17:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-769671/1		04/06/2021 06:49	1	A01592.D	Rtx-624 0.25 (mm)
CCVIS 460-769671/4		04/06/2021 08:07	1	A01595.D	Rtx-624 0.25 (mm)
LCS 460-769671/5		04/06/2021 08:34	1	A01596.D	Rtx-624 0.25 (mm)
LCSD 460-769671/6		04/06/2021 09:00	1	A01597.D	Rtx-624 0.25 (mm)
MB 460-769671/8		04/06/2021 10:21	1	A01600.D	Rtx-624 0.25 (mm)
460-231372-3	FB-1_040121	04/06/2021 13:56	1	A01608.D	Rtx-624 0.25 (mm)
ZZZZZ		04/06/2021 14:23	1		Rtx-624 0.25 (mm)
ZZZZZ		04/06/2021 14:50	1		Rtx-624 0.25 (mm)
ZZZZZ		04/06/2021 15:17	1		Rtx-624 0.25 (mm)
ZZZZZ		04/06/2021 15:44	1		Rtx-624 0.25 (mm)
ZZZZZ		04/06/2021 16:11	1		Rtx-624 0.25 (mm)
ZZZZZ		04/06/2021 16:38	1		Rtx-624 0.25 (mm)
460-231372-1	MW-7S_040121	04/06/2021 17:32	1	A01616.D	Rtx-624 0.25 (mm)
460-231372-2	DUP-1_040121	04/06/2021 17:59	1	A01617.D	Rtx-624 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Instrument ID: CVOAMS1 Start Date: 04/06/2021 18:59Analysis Batch Number: 769803 End Date: 04/06/2021 23:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-769803/1		04/06/2021 18:59	1	A01619.D	Rtx-624 0.25 (mm)
CCVIS 460-769803/3		04/06/2021 19:58	1	A01621.D	Rtx-624 0.25 (mm)
LCS 460-769803/4		04/06/2021 20:25	1	A01622.D	Rtx-624 0.25 (mm)
LCSD 460-769803/5		04/06/2021 20:53	1	A01623.D	Rtx-624 0.25 (mm)
MB 460-769803/9		04/06/2021 22:43	1	A01627.D	Rtx-624 0.25 (mm)
460-231372-4	TRIP BLANK	04/06/2021 23:10	1	A01628.D	Rtx-624 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Batch Number: 768128 Batch Start Date: 03/30/21 01:42 Batch Analyst: Starzec, MargaretBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	14DIOXINTER 00127	524freon 00034	8260 SP 00137	8260ISNEW 00129
BFB 460-768128/1		8260D		5 mL	5 mL				
STD7 460-768128/3 IC		8260D		5 mL	5 mL				1 uL
STD1 460-768128/4 IC		8260D		5 mL	5 mL	30 uL	10 uL		1 uL
STD5 460-768128/5 IC		8260D		5 mL	5 mL		10 uL		1 uL
STD20 460-768128/6 ICIS		8260D		5 mL	5 mL		20 uL		1 uL
STD50 460-768128/7 IC		8260D		5 mL	5 mL		50 uL		1 uL
STD200 460-768128/8 IC		8260D		5 mL	5 mL				1 uL
STD500 460-768128/9 IC		8260D		5 mL	5 mL				1 uL
ICV 460-768128/16		8260D		5 mL	5 mL			20 uL	1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	8260MIX1COMB 00134	8260SURR250 00217	8FreonHi 00030	8FreonsSS 00030	ACROLEIN SP 00123	ACROLEIN W 00121
BFB 460-768128/1		8260D							
STD7 460-768128/3 IC		8260D			1 uL				
STD1 460-768128/4 IC		8260D		10 uL	1 uL				4 uL
STD5 460-768128/5 IC		8260D		10 uL	1 uL				4 uL
STD20 460-768128/6 ICIS		8260D		20 uL	1 uL				4 uL
STD50 460-768128/7 IC		8260D		50 uL	1 uL				10 uL
STD200 460-768128/8 IC		8260D			1 uL	20 uL			20 uL
STD500 460-768128/9 IC		8260D			1 uL	50 uL			40 uL
ICV 460-768128/16		8260D			1 uL		20 uL	4 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.

8260D

Page 1 of 3

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Batch Number: 768128 Batch Start Date: 03/30/21 01:42 Batch Analyst: Starzec, MargaretBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACRY/EPIH MIX 00084	BFB 00029	Ethanol mix 00050	GAS C SP 00402	GAS Hi 00384	GASES Li 00413
BFB 460-768128/1		8260D			1 uL				
STD7 460-768128/3 IC		8260D		20 uL					2.5 uL
STD1 460-768128/4 IC		8260D							10 uL
STD5 460-768128/5 IC		8260D							10 uL
STD20 460-768128/6 ICIS		8260D							20 uL
STD50 460-768128/7 IC		8260D							50 uL
STD200 460-768128/8 IC		8260D				20 uL		20 uL	
STD500 460-768128/9 IC		8260D				50 uL		50 uL	
ICV 460-768128/16		8260D					20 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MIX 2 Hi 00109	MIX I Hi 00136				
BFB 460-768128/1		8260D							
STD7 460-768128/3 IC		8260D							
STD1 460-768128/4 IC		8260D							
STD5 460-768128/5 IC		8260D							
STD20 460-768128/6 ICIS		8260D							
STD50 460-768128/7 IC		8260D							
STD200 460-768128/8 IC		8260D		20 uL	20 uL				
STD500 460-768128/9 IC		8260D		50 uL	50 uL				
ICV 460-768128/16		8260D							

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.

8260D

Page 2 of 3

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Batch Number: 768128 Batch Start Date: 03/30/21 01:42 Batch Analyst: Starzec, MargaretBatch Method: 8260D Batch End Date: _____

Batch Notes	

Basis	Basis Description

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.

8260D

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Batch Number: 769671 Batch Start Date: 04/06/21 06:49 Batch Analyst: Moroney, Christopher JBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260ISNEW 00129	8260MIX1COMB 00134	8260SURRE250 00217
BFB 460-769671/1		8260D		5 mL	5 mL				
CCVIS 460-769671/4		8260D		5 mL	5 mL		1 uL	20 uL	1 uL
LCS 460-769671/5		8260D		5 mL	5 mL		1 uL	20 uL	1 uL
LCSD 460-769671/6		8260D		5 mL	5 mL		1 uL	20 uL	1 uL
MB 460-769671/8		8260D		5 mL	5 mL		1 uL		1 uL
460-231372-B-3	FB-1_040121	8260D	T	5 mL	5 mL	<2 PH Units	1 uL		1 uL
460-231372-B-1	MW-7S_040121	8260D	T	5 mL	5 mL	<2 PH Units	1 uL		1 uL
460-231372-B-2	DUP-1_040121	8260D	T	5 mL	5 mL	<2 PH Units	1 uL		1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACROLEIN W 00121	BFB 00029	GASES Li 00414			
BFB 460-769671/1		8260D			1 uL				
CCVIS 460-769671/4		8260D		4 uL		20 uL			
LCS 460-769671/5		8260D		4 uL		20 uL			
LCSD 460-769671/6		8260D		4 uL		20 uL			
MB 460-769671/8		8260D							
460-231372-B-3	FB-1_040121	8260D	T						
460-231372-B-1	MW-7S_040121	8260D	T						
460-231372-B-2	DUP-1_040121	8260D	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Batch Number: 769803 Batch Start Date: 04/06/21 18:59 Batch Analyst: Yallabandi, Gopichand XBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260ISNEW 00129	8260MIX1COMB 00134	8260SURR250 00217
BFB 460-769803/1		8260D		5 mL	5 mL				
CCVIS 460-769803/3		8260D		5 mL	5 mL		1 uL	20 uL	1 uL
LCS 460-769803/4		8260D		5 mL	5 mL		1 uL	20 uL	1 uL
LCSD 460-769803/5		8260D		5 mL	5 mL		1 uL	20 uL	1 uL
MB 460-769803/9		8260D		5 mL	5 mL		1 uL		1 uL
460-231372-C-4	TRIP BLANK	8260D	T	5 mL	5 mL	<2 PH Units	1 uL		1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACROLEIN W 00121	BFB 00029	GASES Li 00414			
BFB 460-769803/1		8260D			1 uL				
CCVIS 460-769803/3		8260D		4 uL		20 uL			
LCS 460-769803/4		8260D		4 uL		20 uL			
LCSD 460-769803/5		8260D		4 uL		20 uL			
MB 460-769803/9		8260D							
460-231372-C-4	TRIP BLANK	8260D	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D_SIM

Volatile Organic Compounds (GC/MS)

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-231372-1

SDG No.: _____

Matrix: Water

Level: Low

GC Column (1): Rtx-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	BFB #
MW-7S_040121	460-231372-1	104
DUP-1_040121	460-231372-2	105
FB-1_040121	460-231372-3	107
	MB 460-769881/8	102
	MB 460-770057/8	105
	LCS 460-769881/4	104
	LCS 460-770057/4	107
	LCSD 460-769881/6	104
	LCSD 460-770057/5	107

BFB = 4-Bromofluorobenzene

QC LIMITS
65-133

Column to be used to flag recovery values

FORM II 8260D SIM

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: S045287.D
Lab ID: LCS 460-769881/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	5.00	5.09	102	72-124	

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.: 460-231372-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: S045319.D

Lab ID: LCS 460-770057/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	5.00	4.27	85	72-124	

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.: 460-231372-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S045289.D
 Lab ID: LCSD 460-769881/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,4-Dioxane	5.00	5.15	103	1	30	72-124	

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.: 460-231372-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: S045320.D
Lab ID: LCSD 460-770057/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,4-Dioxane	5.00	4.96	99	15	30	72-124	

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.: 460-231372-1
SDG No.: _____
Lab File ID: S045291.D Lab Sample ID: MB 460-769881/8
Matrix: Water Heated Purge: (Y/N) Y
Instrument ID: CVOAMS14 Date Analyzed: 04/07/2021 10:42
GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-769881/4	S045287.D	04/07/2021 09:03
	LCSD 460-769881/6	S045289.D	04/07/2021 09:51
MW-7S_040121	460-231372-1	S045308.D	04/07/2021 17:31
DUP-1_040121	460-231372-2	S045309.D	04/07/2021 17:55

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Lab File ID: S045323.D Lab Sample ID: MB 460-770057/8
Matrix: Water Heated Purge: (Y/N) Y
Instrument ID: CVOAMS14 Date Analyzed: 04/07/2021 23:02
GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-770057/4	S045319.D	04/07/2021 21:26
	LCSD 460-770057/5	S045320.D	04/07/2021 21:50
FB-1_040121	460-231372-3	S045325.D	04/07/2021 23:50

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Lab File ID: S044702b.D BFB Injection Date: 03/26/2021
 Instrument ID: CVOAMS14 BFB Injection Time: 12:37
 Analysis Batch No.: 767485

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	135.9
96	5 - 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.0
174	50 - 200% of m/z 95	73.6
175	5 - 9% of m/z 174	8.9
176	95 -105% of m/z 174	97.2
177	5 - 10% of m/z 176	7.3

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
	STD04 460-767485/3	S044704.D	03/26/2021	13:27
	STD1 460-767485/4	S044705.D	03/26/2021	13:51
	STD5 460-767485/5	S044706.D	03/26/2021	14:15
	STD10 460-767485/6	S044707.D	03/26/2021	14:39
	STD20 460-767485/7	S044708.D	03/26/2021	15:03
	STD30 460-767485/8	S044709.D	03/26/2021	15:28
	STD40 460-767485/9	S044710.D	03/26/2021	15:52
	STD50 460-767485/10	S044711.D	03/26/2021	16:16
	ICV 460-767485/13	S044714.D	03/26/2021	17:28

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Sample No.: STD5 460-767485/5 Date Analyzed: 03/26/2021 14:15
 Instrument ID: CVOAMS14 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): S044706.D Heated Purge: (Y/N) Y
 Calibration ID: 84204

	FB		DXE		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	30418	5.23	311	5.95	5063	8.68	
UPPER LIMIT	60836	5.73	622	6.45	10126	9.18	
LOWER LIMIT	15209	4.73	156	5.45	2532	8.18	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-767485/13		25831	5.23	336	5.95	4215	8.68

FB = Fluorobenzene

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

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.: 460-231372-1
 SDG No.: _____
 Sample No.: CCVIS 460-769881/3 Date Analyzed: 04/07/2021 08:39
 Instrument ID: CVOAMS14 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): S045286.D Heated Purge: (Y/N) Y
 Calibration ID: 84204

		FB		DXE		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		35976	5.23	387	5.95	5630	8.67
UPPER LIMIT		71952	5.73	774	6.45	11260	9.17
LOWER LIMIT		17988	4.73	194	5.45	2815	8.17
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 460-769881/4		36896	5.23	315	5.95	5840	8.67
LCSD 460-769881/6		36488	5.23	334	5.95	5802	8.67
MB 460-769881/8		21394	5.23	333	5.95	5047	8.67
460-231372-1	MW-7S_040121	26214	5.23	395	5.95	6205	8.67
460-231372-2	DUP-1_040121	26423	5.23	391	5.95	6039	8.67

FB = Fluorobenzene

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

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.: 460-231372-1
 SDG No.: _____
 Sample No.: CCVIS 460-770057/2 Date Analyzed: 04/07/2021 20:38
 Instrument ID: CVOAMS14 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): S045317.D Heated Purge: (Y/N) Y
 Calibration ID: 84204

	FB		DXE		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	26108	5.23	442	5.95	6313	8.67	
UPPER LIMIT	52216	5.73	884	6.45	12626	9.17	
LOWER LIMIT	13054	4.73	221	5.45	3157	8.17	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-770057/4		25498	5.23	435	5.95	6186	8.67
LCSD 460-770057/5		26144	5.23	364	5.95	6344	8.67
MB 460-770057/8		24087	5.23	368	5.94	5916	8.67
460-231372-3	FB-1_040121	23471	5.23	451	5.95	5725	8.67

FB = Fluorobenzene

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

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: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Client Sample ID: MW-7S_040121 Lab Sample ID: 460-231372-1
Matrix: Water Lab File ID: S045308.D
Analysis Method: 8260D SIM Date Collected: 04/01/2021 19:15
Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2021 17:31
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 769881 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.33	U	0.40	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	104		65-133

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045308.D
 Lims ID: 460-231372-D-1
 Client ID: MW-7S_040121
 Sample Type: Client
 Inject. Date: 07-Apr-2021 17:31:15 ALS Bottle#: 0 Worklist Smp#: 25
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: 460-231372-D-1
 Misc. Info.: 460-0126631-025
 Operator ID: Instrument ID: CVOAMS14
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 08-Apr-2021 13:16:43 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1669

First Level Reviewer: boykink

Date: 07-Apr-2021 20:28:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.233	5.231	0.002	66	26214	0.5000	
* 2 1,4-Dioxane-d8	64	5.945	5.947	-0.002	48	395	10.0	
* 3 Chlorobenzene-d5	119	8.674	8.667	0.007	100	6205	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.097	10.099	-0.002	96	8181	0.5197	

QC Flag Legend

Processing Flags

Reagents:

SimissurNEW_00046

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045308.D

Injection Date: 07-Apr-2021 17:31:15

Instrument ID: CVOAMS14

Operator ID:

Lims ID: 460-231372-D-1

Lab Sample ID: 460-231372-1

Worklist Smp#: 25

Client ID: MW-7S_040121

Purge Vol: 10.000 mL

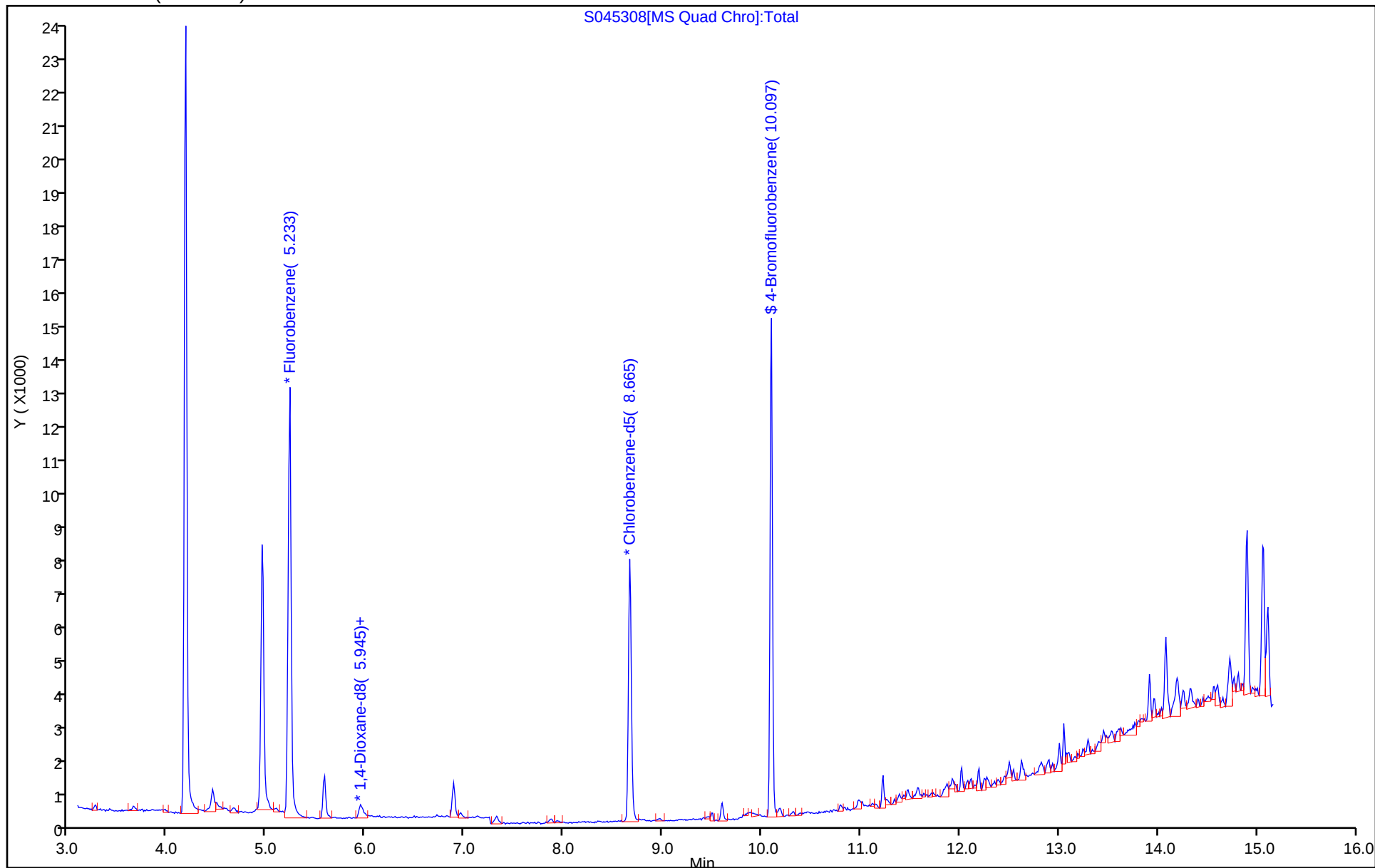
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Client Sample ID: DUP-1_040121 Lab Sample ID: 460-231372-2
Matrix: Water Lab File ID: S045309.D
Analysis Method: 8260D SIM Date Collected: 04/01/2021 00:00
Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2021 17:55
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 769881 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.33	U	0.40	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	105		65-133

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045309.D
 Lims ID: 460-231372-D-2
 Client ID: DUP-1_040121
 Sample Type: Client
 Inject. Date: 07-Apr-2021 17:55:23 ALS Bottle#: 0 Worklist Smp#: 26
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: 460-231372-D-2
 Misc. Info.: 460-0126631-026
 Operator ID: Instrument ID: CVOAMS14
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 08-Apr-2021 13:16:43 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1669

First Level Reviewer: boykink

Date: 07-Apr-2021 20:28:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.233	5.231	0.002	66	26423	0.5000	
* 2 1,4-Dioxane-d8	64	5.945	5.947	-0.002	47	391	10.0	
* 3 Chlorobenzene-d5	119	8.665	8.667	-0.002	91	6039	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.097	10.099	-0.002	96	8036	0.5245	

QC Flag Legend

Processing Flags

Reagents:

SimissurNEW_00046

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045309.D

Injection Date: 07-Apr-2021 17:55:23

Instrument ID: CVOAMS14

Operator ID:

Lims ID: 460-231372-D-2

Lab Sample ID: 460-231372-2

Worklist Smp#: 26

Client ID: DUP-1_040121

Purge Vol: 10.000 mL

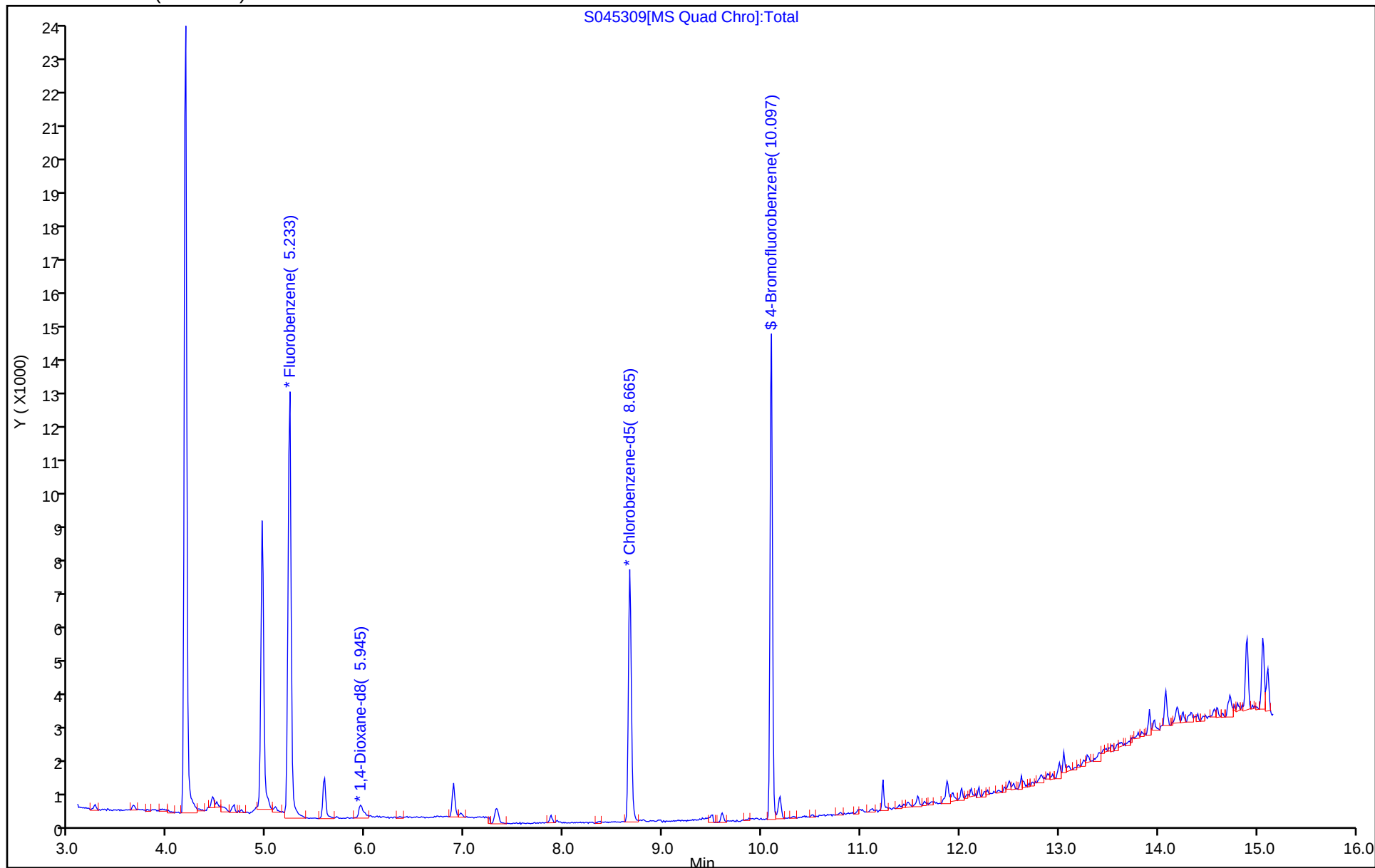
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Client Sample ID: FB-1_040121 Lab Sample ID: 460-231372-3
Matrix: Water Lab File ID: S045325.D
Analysis Method: 8260D SIM Date Collected: 04/01/2021 19:25
Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2021 23:50
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 770057 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.33	U	0.40	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		65-133

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\S045325.D
 Lims ID: 460-231372-D-3
 Client ID: FB-1_040121
 Sample Type: Client
 Inject. Date: 07-Apr-2021 23:50:17 ALS Bottle#: 0 Worklist Smp#: 10
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: 460-231372-d-3
 Misc. Info.: 460-0126668-010
 Operator ID: Instrument ID: CVOAMS14
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 08-Apr-2021 04:49:27 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1686

First Level Reviewer: boykink

Date: 08-Apr-2021 01:22:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.233	5.233	0.000	66	23471	0.5000	
* 2 1,4-Dioxane-d8	64	5.945	5.945	0.000	36	451	10.0	M
* 3 Chlorobenzene-d5	119	8.665	8.665	0.000	100	5725	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.097	10.097	0.000	95	7792	0.5365	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SimissurNEW_00046

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\S045325.D

Injection Date: 07-Apr-2021 23:50:17

Instrument ID: CVOAMS14

Operator ID:

Lims ID: 460-231372-D-3

Lab Sample ID: 460-231372-3

Worklist Smp#: 10

Client ID: FB-1_040121

Purge Vol: 10.000 mL

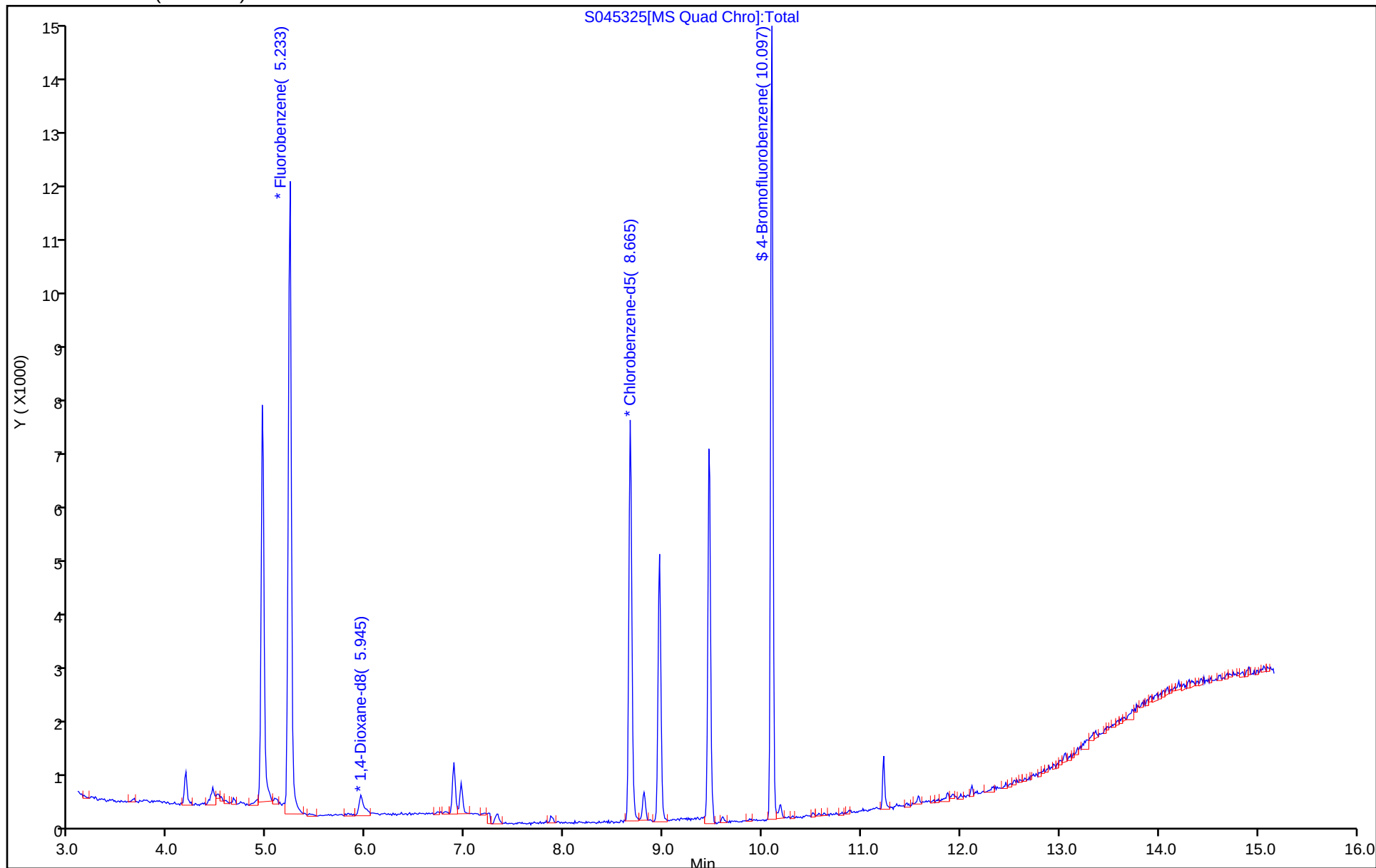
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\S045325.D

Injection Date: 07-Apr-2021 23:50:17

Instrument ID: CVOAMS14

Lims ID: 460-231372-D-3

Lab Sample ID: 460-231372-3

Client ID: FB-1_040121

Operator ID:

ALS Bottle#:

0

Worklist Smp#: 10

Purge Vol: 10.000 mL

Dil. Factor: 1.0000

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

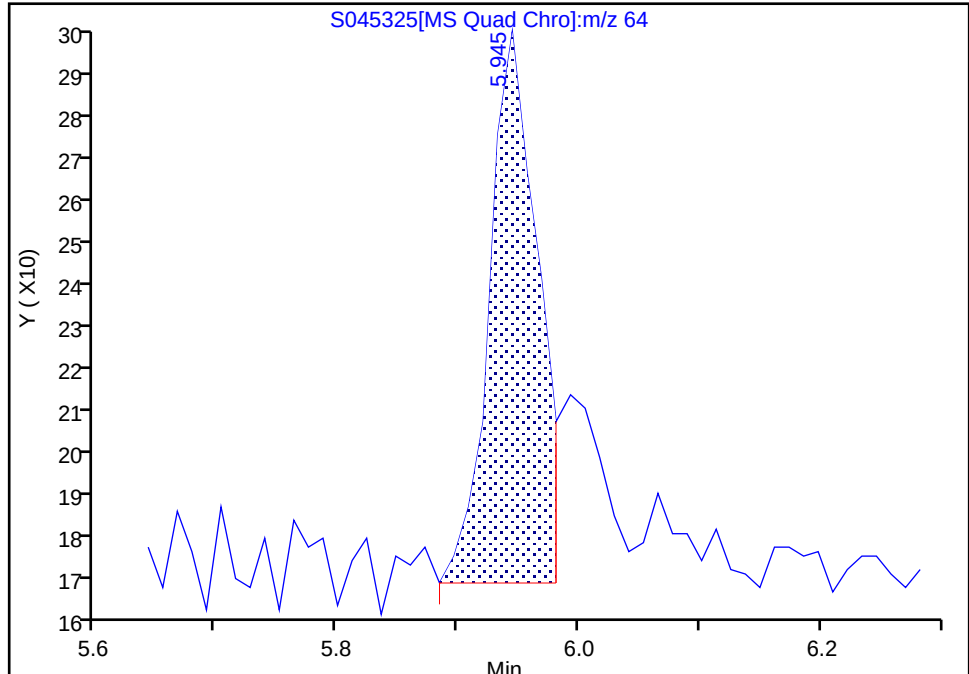
Detector: MS SCAN

* 2 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

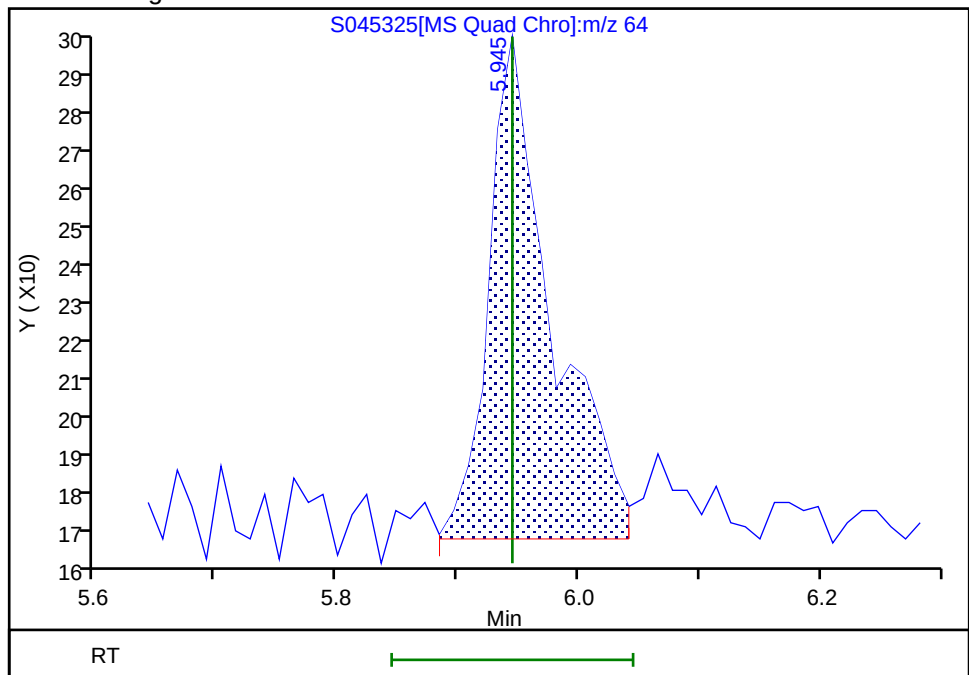
RT: 5.94
Area: 346
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 5.94
Area: 451
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: boykink, 08-Apr-2021 01:22:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 767485

SDG No.: _____

Instrument ID: CVOAMS14 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/26/2021 12:57 Calibration End Date: 03/26/2021 16:16 Calibration ID: 84204

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD04 460-767485/3	S044704.D
Level 2	STD1 460-767485/4	S044705.D
Level 3	STD5 460-767485/5	S044706.D
Level 4	STD10 460-767485/6	S044707.D
Level 5	STD20 460-767485/7	S044708.D
Level 6	STD30 460-767485/8	S044709.D
Level 7	STD40 460-767485/9	S044710.D
Level 8	STD50 460-767485/10	S044711.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Chloroform	0.7378 0.9653	0.8207 0.9888	0.7351 0.6219	0.8484	0.9149	Ave		0.829 1			0.2000	15.3		20.0			
Benzene	2.0511 1.8751	1.9254 1.8875	1.6724 1.1963	1.6540	1.7243	Ave		1.748 3			0.5000	15.0		20.0			
1,4-Dioxane	2.8291 2.9102	2.3054 3.2546	2.8360 2.6966	3.1850	2.8973	Ave		2.864 3				10.2		20.0			
Ethylene Dibromide	1.0888 1.5081	1.2598 1.5691	1.1377 0.9427	1.2162	1.3538	Ave		1.259 5			0.1000	16.8		20.0			
1,2,3-Trichloropropane	0.4422 0.5240	0.5231 0.5512	0.4563 0.3168	0.4825	0.5116	Ave		0.476 0				15.6		20.0			
1,2-Dibromo-3-Chloropropane	0.2758 0.3176	0.3375 0.3442	0.3160 +++++	0.3766	0.3740	Ave		0.334 5			0.0500	10.6		20.0			
4-Bromofluorobenzene	1.2756 1.2645	1.2783 1.2869	1.2536 1.2434	1.2620	1.2831	Ave		1.268 4				1.2		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1 Analy Batch No.: 767485

SDG No.: _____

Instrument ID: CVOAMS14 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/26/2021 12:57 Calibration End Date: 03/26/2021 16:16 Calibration ID: 84204

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD04 460-767485/3	S044704.D
Level 2	STD1 460-767485/4	S044705.D
Level 3	STD5 460-767485/5	S044706.D
Level 4	STD10 460-767485/6	S044707.D
Level 5	STD20 460-767485/7	S044708.D
Level 6	STD30 460-767485/8	S044709.D
Level 7	STD40 460-767485/9	S044710.D
Level 8	STD50 460-767485/10	S044711.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
Chloroform	FB	Ave	909 20974	1795 40448	2236 69063	4688	8580	0.0200 0.500	0.0400 1.00	0.0500 2.00	0.100	0.200
Benzene	FB	Ave	2527 40745	4211 77212	5087 132855	9139	16170	0.0200 0.500	0.0400 1.00	0.0500 2.00	0.100	0.200
1,4-Dioxane	DXE	Ave	49 2689	77 3515	441 4382	895	1750	0.400 30.0	1.00 40.0	5.00 50.0	10.0	20.0
Ethylene Dibromide	CBNZ d5	Ave	229 5399	448 10566	576 17813	1114	2125	0.0200 0.500	0.0400 1.00	0.0500 2.00	0.100	0.200
1,2,3-Trichloropropane	CBNZ d5	Ave	93 1876	186 3712	231 5986	442	803	0.0200 0.500	0.0400 1.00	0.0500 2.00	0.100	0.200
1,2-Dibromo-3-Chloropropane	CBNZ d5	Ave	58 1137	120 2318	160 +++++	345	587	0.0200 0.500	0.0400 1.00	0.0500 +++++	0.100	0.200
4-Bromofluorobenzene	CBNZ d5	Ave	6707 4527	5682 4333	6347 5874	5780	5035	0.500 0.500	0.500 0.500	0.500 0.500	0.500	0.500

Curve Type Legend

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044704.D
 Lims ID: STD04
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 26-Mar-2021 13:27:26 ALS Bottle#: 0 Worklist Smp#: 3
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: STD04
 Misc. Info.: 460-0126050-003
 Operator ID: Instrument ID: CVOAMS14
 Sublist: chrom-8260SIM_14*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 28-Mar-2021 10:06:34 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: desais

Date: 26-Mar-2021 13:57:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.231	5.231	0.000	100	30801	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.947	5.947	0.000	41	433	10.0	10.0	
* 3 Chlorobenzene-d5	119	8.676	8.675	0.001	100	5258	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.099	10.099	0.000	86	6707	0.5000	0.5028	
6 Chloroform	83	4.451	4.451	0.000	100	909	0.0200	0.0178	
7 Benzene	78	4.940	4.940	0.000	44	2527	0.0200	0.0235	a
8 1,4-Dioxane	88	6.007	6.007	0.000	19	49	0.4000	0.3951	a
9 Ethylene Dibromide	109	8.126	8.134	-0.008	87	229	0.0200	0.0173	
10 1,2,3-Trichloropropane	110	10.352	10.344	0.008	95	93	0.0200	0.0186	
11 1,2-Dibromo-3-Chloropropane	157	12.257	12.257	0.000	84	58	0.0200	0.0165	Ma

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SIMDIOX50_00059	Amount Added: 4.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 1.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044704.D

Injection Date: 26-Mar-2021 13:27:26

Instrument ID: CVOAMS14

Operator ID:

Lims ID: STD04

Worklist Smp#: 3

Client ID:

Purge Vol: 10.000 mL

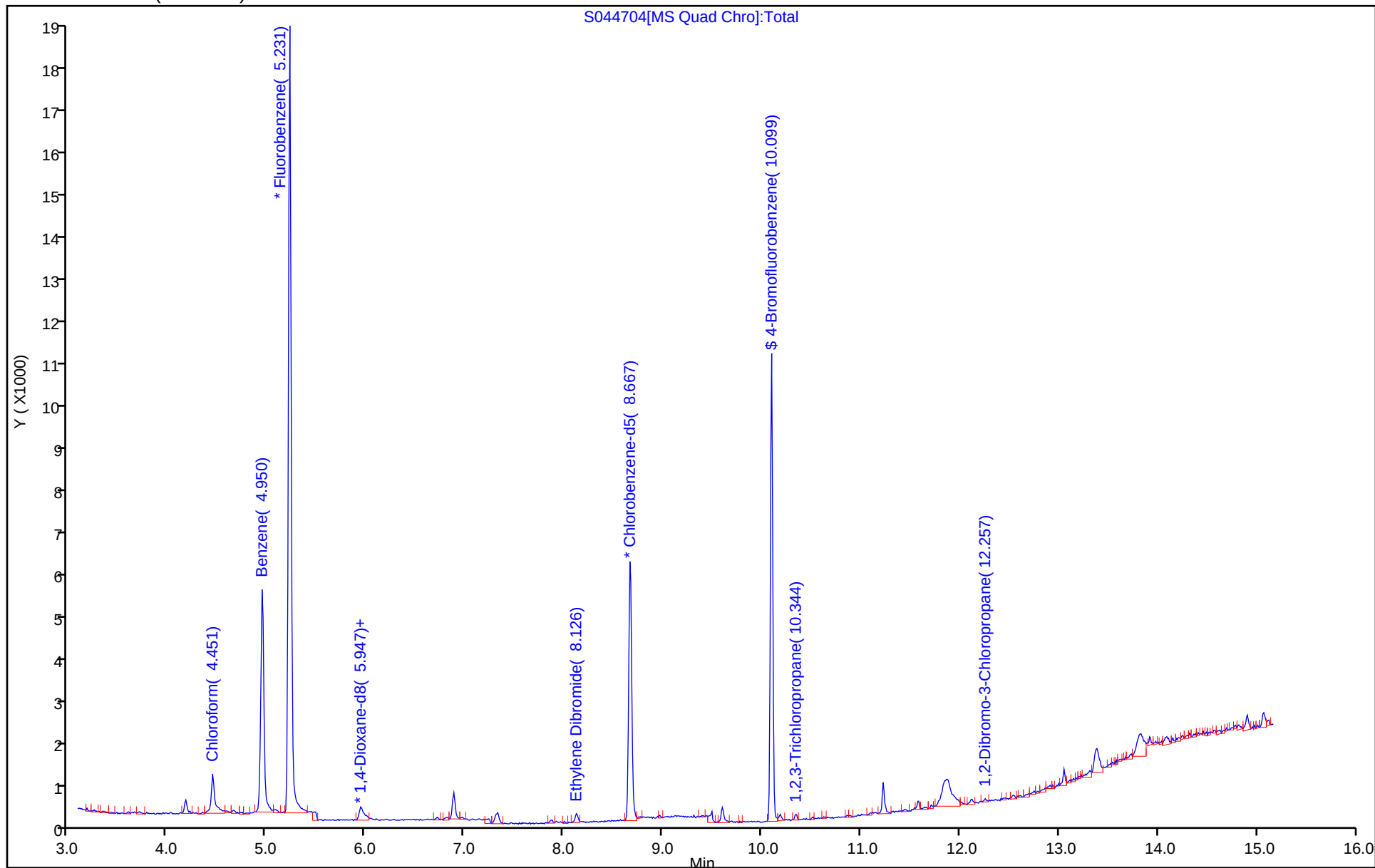
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044705.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 26-Mar-2021 13:51:33 ALS Bottle#: 0 Worklist Smp#: 4
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: STD1
 Misc. Info.: 460-0126050-004
 Operator ID: Instrument ID: CVOAMS14
 Sublist: chrom-8260SIM_14*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 28-Mar-2021 10:06:35 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: desais

Date: 26-Mar-2021 14:31:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.231	5.231	0.000	100	27338	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.946	5.947	-0.001	39	334	10.0	10.0	
* 3 Chlorobenzene-d5	119	8.675	8.675	0.000	90	4445	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.099	10.099	0.000	99	5682	0.5000	0.5039	
6 Chloroform	83	4.451	4.451	0.000	99	1795	0.0400	0.0396	
7 Benzene	78	4.940	4.940	0.000	36	4211	0.0400	0.0441	a
8 1,4-Dioxane	88	6.007	6.007	0.000	85	77	1.00	0.8049	a
9 Ethylene Dibromide	109	8.126	8.134	-0.008	96	448	0.0400	0.0400	
10 1,2,3-Trichloropropane	110	10.343	10.344	-0.001	100	186	0.0400	0.0440	
11 1,2-Dibromo-3-Chloropropane	157	12.257	12.257	0.000	88	120	0.0400	0.0404	a

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SIMDIOX50_00059	Amount Added: 10.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 2.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044705.D

Injection Date: 26-Mar-2021 13:51:33

Instrument ID: CVOAMS14

Operator ID:

Lims ID: STD1

Worklist Smp#: 4

Client ID:

Purge Vol: 10.000 mL

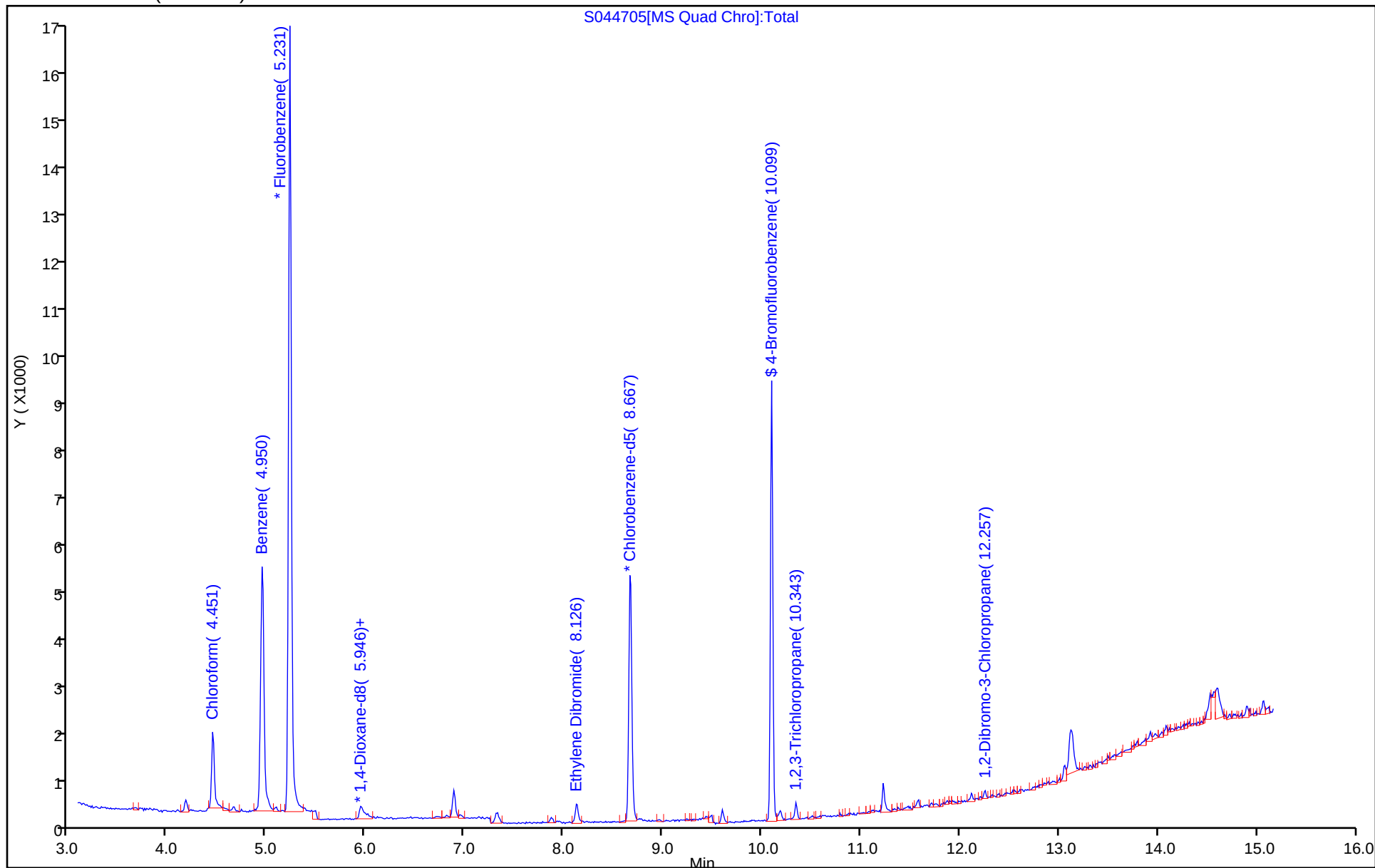
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044706.D
 Lims ID: STD5
 Client ID:
 Sample Type: ICIS Calib Level: 3
 Inject. Date: 26-Mar-2021 14:15:43 ALS Bottle#: 0 Worklist Smp#: 5
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: STD5
 Misc. Info.: 460-0126050-005
 Operator ID: Instrument ID: CVOAMS14
 Sublist: chrom-8260SIM_14*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 28-Mar-2021 10:06:36 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: kluseys

Date: 26-Mar-2021 14:41:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.231	5.231	0.000	100	30418	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.947	5.947	0.000	35	311	10.0	10.0	
* 3 Chlorobenzene-d5	119	8.675	8.675	0.000	90	5063	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.099	10.099	0.000	100	6347	0.5000	0.4942	
6 Chloroform	83	4.451	4.451	0.000	100	2236	0.0500	0.0443	
7 Benzene	78	4.940	4.940	0.000	34	5087	0.0500	0.0478	a
8 1,4-Dioxane	88	6.007	6.007	0.000	89	441	5.00	4.95	a
9 Ethylene Dibromide	109	8.134	8.134	0.000	96	576	0.0500	0.0452	
10 1,2,3-Trichloropropane	110	10.344	10.344	0.000	97	231	0.0500	0.0479	
11 1,2-Dibromo-3-Chloropropane	157	12.257	12.257	0.000	85	160	0.0500	0.0472	a

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SIMDIOX50_00059	Amount Added: 20.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 1.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044706.D

Injection Date: 26-Mar-2021 14:15:43

Instrument ID: CVOAMS14

Operator ID:

Lims ID: STD5

Worklist Smp#: 5

Client ID:

Purge Vol: 10.000 mL

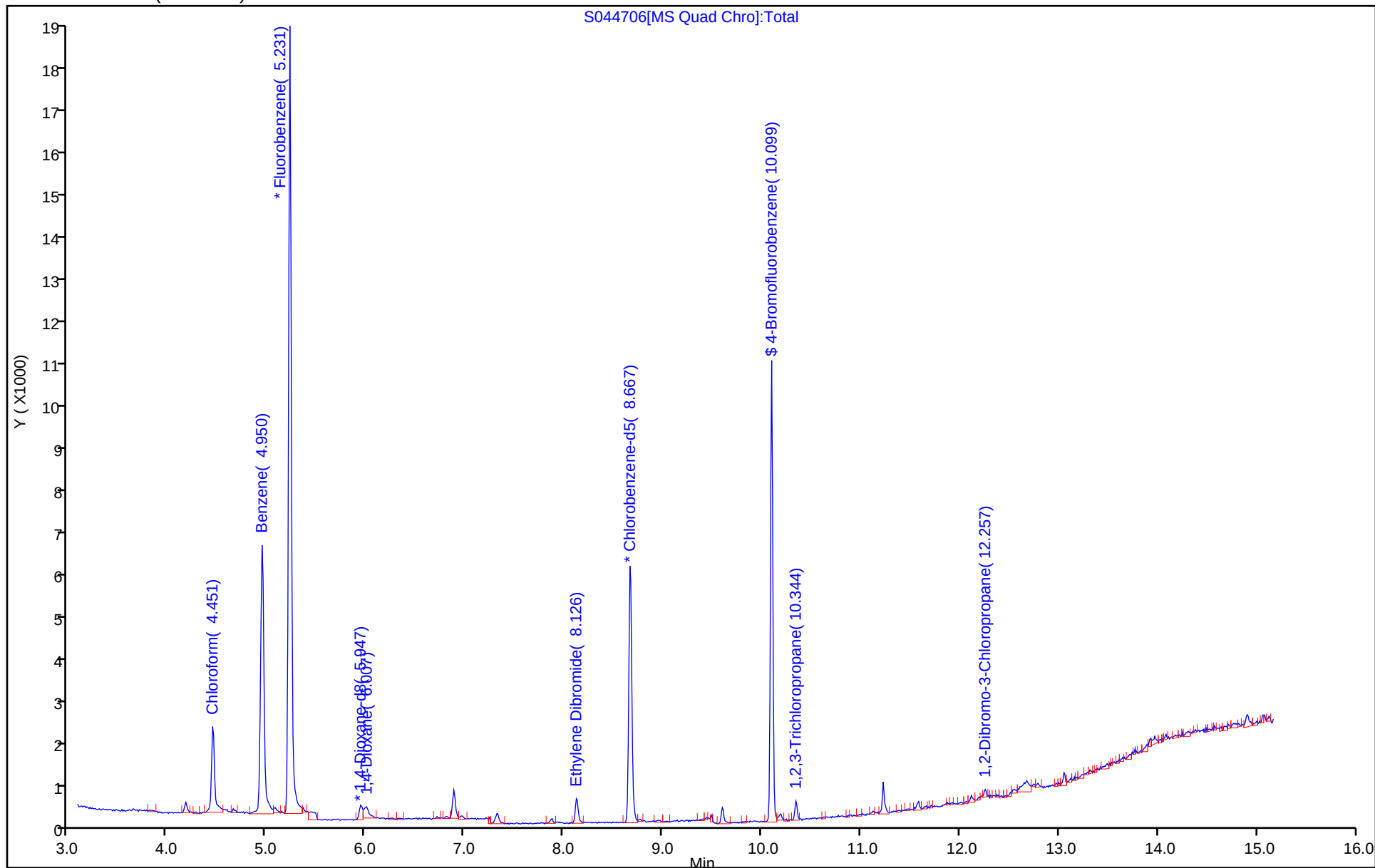
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044707.D
 Lims ID: STD10
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 26-Mar-2021 14:39:52 ALS Bottle#: 0 Worklist Smp#: 6
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: STD10
 Misc. Info.: 460-0126050-006
 Operator ID: Instrument ID: CVOAMS14
 Sublist: chrom-8260SIM_14*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 28-Mar-2021 10:06:37 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: kluseys

Date: 26-Mar-2021 16:09:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.231	5.231	0.000	100	27627	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.947	5.947	0.000	34	281	10.0	10.0	
* 3 Chlorobenzene-d5	119	8.676	8.675	0.001	90	4580	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.099	10.099	0.000	100	5780	0.5000	0.4975	
6 Chloroform	83	4.451	4.451	0.000	100	4688	0.1000	0.1023	
7 Benzene	78	4.940	4.940	0.000	47	9139	0.1000	0.0946	
8 1,4-Dioxane	88	5.995	6.007	-0.012	84	895	10.0	11.1	
9 Ethylene Dibromide	109	8.126	8.134	-0.008	97	1114	0.1000	0.0966	
10 1,2,3-Trichloropropane	110	10.344	10.344	0.000	100	442	0.1000	0.1014	
11 1,2-Dibromo-3-Chloropropane	157	12.257	12.257	0.000	98	345	0.1000	0.1126	

QC Flag Legend

Processing Flags

Reagents:

SIMDIOX50_00059	Amount Added: 20.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 1.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044707.D

Injection Date: 26-Mar-2021 14:39:52

Instrument ID: CVOAMS14

Operator ID:

Lims ID: STD10

Worklist Smp#: 6

Client ID:

Purge Vol: 10.000 mL

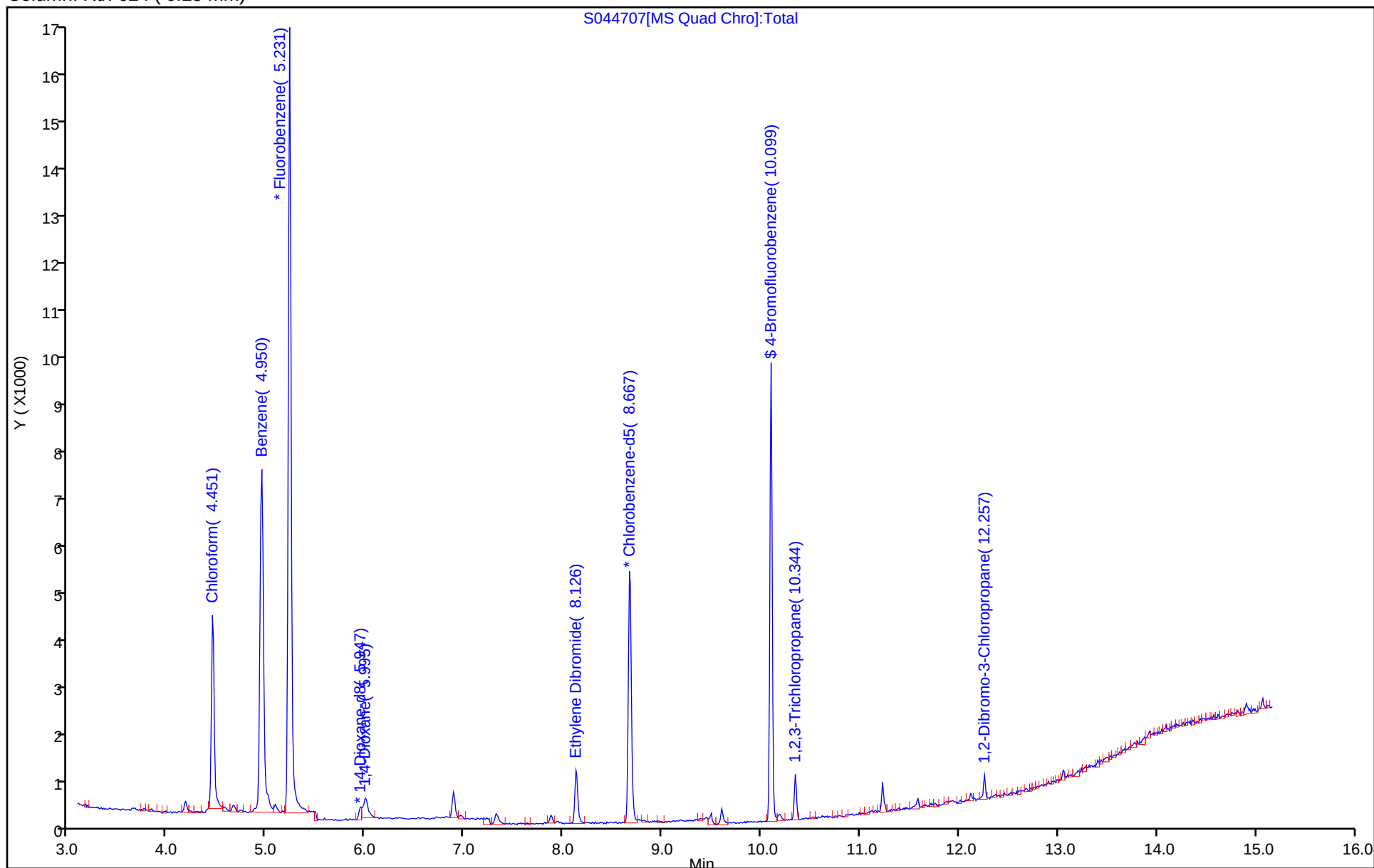
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044708.D
 Lims ID: STD20
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 26-Mar-2021 15:03:59 ALS Bottle#: 0 Worklist Smp#: 7
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: STD20
 Misc. Info.: 460-0126050-007
 Operator ID: Instrument ID: CVOAMS14
 Sublist: chrom-8260SIM_14*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 28-Mar-2021 10:06:39 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: kluseys

Date: 26-Mar-2021 15:34:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.231	5.231	0.000	100	23444	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.947	5.947	-0.001	31	302	10.0	10.0	M
* 3 Chlorobenzene-d5	119	8.675	8.675	0.000	89	3924	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.099	10.099	0.000	100	5035	0.5000	0.5058	
6 Chloroform	83	4.451	4.451	0.000	100	8580	0.2000	0.2207	
7 Benzene	78	4.940	4.940	0.000	37	16170	0.2000	0.1973	
8 1,4-Dioxane	88	5.995	6.007	-0.012	93	1750	20.0	20.2	
9 Ethylene Dibromide	109	8.134	8.134	0.000	100	2125	0.2000	0.2150	
10 1,2,3-Trichloropropane	110	10.344	10.344	0.000	99	803	0.2000	0.2150	
11 1,2-Dibromo-3-Chloropropane	157	12.257	12.257	0.000	92	587	0.2000	0.2236	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SIMDIOX50_00059	Amount Added: 20.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 1.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044708.D

Injection Date: 26-Mar-2021 15:03:59

Instrument ID: CVOAMS14

Operator ID:

Lims ID: STD20

Worklist Smp#: 7

Client ID:

Purge Vol: 10.000 mL

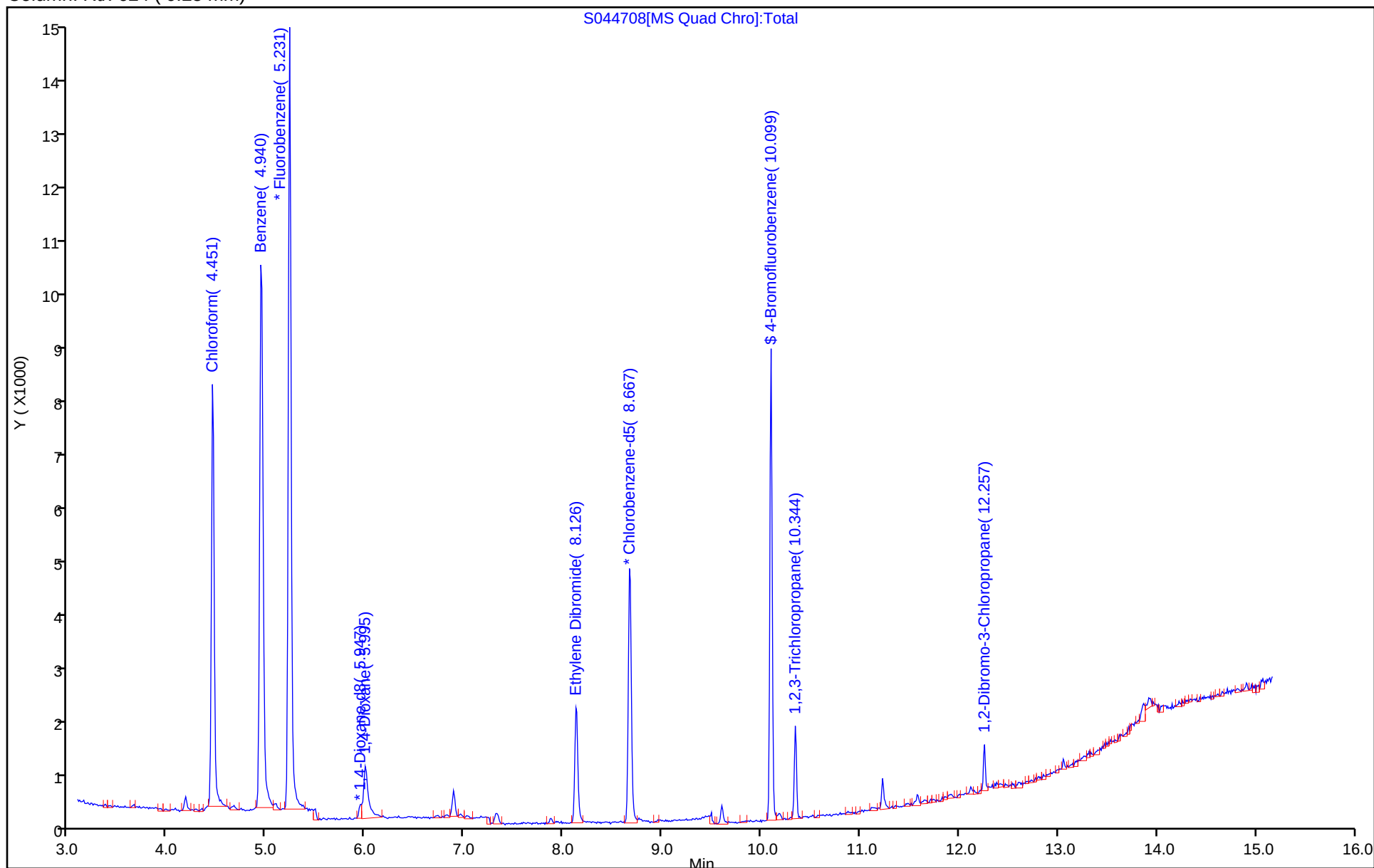
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044709.D
 Lims ID: STD30
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 26-Mar-2021 15:28:03 ALS Bottle#: 0 Worklist Smp#: 8
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: STD30
 Misc. Info.: 460-0126050-008
 Operator ID: Instrument ID: CVOAMS14
 Sublist: chrom-8260SIM_14*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 28-Mar-2021 10:06:40 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: kluseys

Date: 26-Mar-2021 15:56:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.231	5.231	0.000	100	21729	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.947	5.947	0.000	24	308	10.0	10.0	M
* 3 Chlorobenzene-d5	119	8.676	8.675	0.001	89	3580	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.099	10.099	0.000	98	4527	0.5000	0.4985	
6 Chloroform	83	4.451	4.451	0.000	100	20974	0.5000	0.5821	
7 Benzene	78	4.940	4.940	0.000	31	40745	0.5000	0.5363	
8 1,4-Dioxane	88	5.995	6.007	-0.012	94	2689	30.0	30.5	
9 Ethylene Dibromide	109	8.126	8.134	-0.008	98	5399	0.5000	0.5987	
10 1,2,3-Trichloropropane	110	10.344	10.344	0.000	98	1876	0.5000	0.5505	
11 1,2-Dibromo-3-Chloropropane	157	12.257	12.257	0.000	91	1137	0.5000	0.4747	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SIMDIOX50_00059	Amount Added: 30.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 2.50	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044709.D

Injection Date: 26-Mar-2021 15:28:03

Instrument ID: CVOAMS14

Operator ID:

Lims ID: STD30

Worklist Smp#: 8

Client ID:

Purge Vol: 10.000 mL

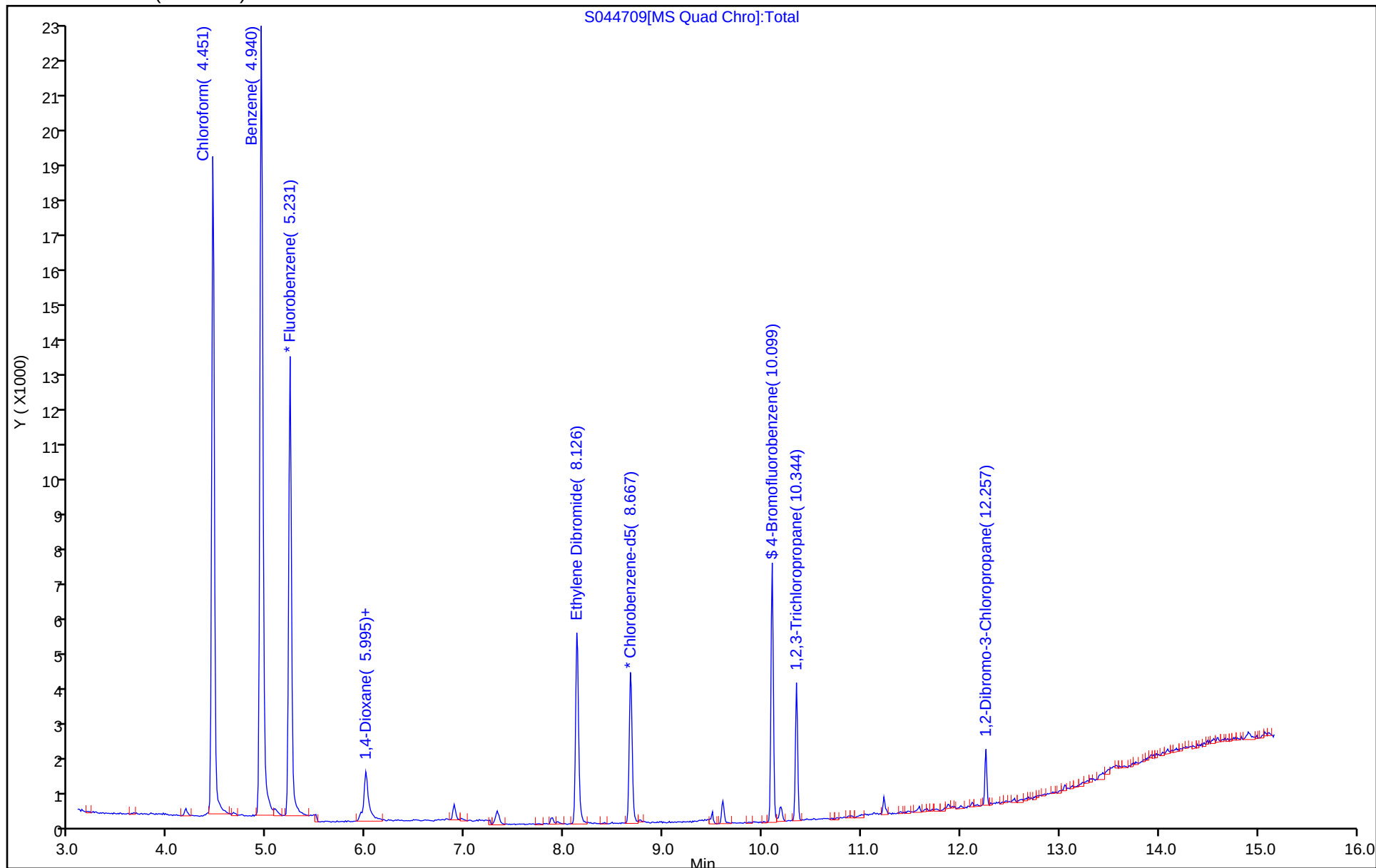
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044710.D
 Lims ID: STD40
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 26-Mar-2021 15:52:04 ALS Bottle#: 0 Worklist Smp#: 9
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: STD40
 Misc. Info.: 460-0126050-009
 Operator ID: Instrument ID: CVOAMS14
 Sublist: chrom-8260SIM_14*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 28-Mar-2021 10:06:41 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: kluseys

Date: 28-Mar-2021 10:04:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.231	5.231	0.000	100	20454	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.947	5.947	0.000	29	270	10.0	10.0	M
* 3 Chlorobenzene-d5	119	8.676	8.675	0.001	90	3367	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.099	10.099	0.000	99	4333	0.5000	0.5073	
6 Chloroform	83	4.451	4.451	0.000	100	40448	1.00	1.19	
7 Benzene	78	4.940	4.940	0.000	29	77212	1.00	1.08	
8 1,4-Dioxane	88	5.995	6.007	-0.012	99	3515	40.0	45.5	
9 Ethylene Dibromide	109	8.126	8.134	-0.008	98	10566	1.00	1.25	
10 1,2,3-Trichloropropane	110	10.344	10.344	0.000	98	3712	1.00	1.16	
11 1,2-Dibromo-3-Chloropropane	157	12.257	12.257	0.000	94	2318	1.00	1.03	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SIMDIOX50_00059	Amount Added: 40.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 5.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044710.D

Injection Date: 26-Mar-2021 15:52:04

Instrument ID: CVOAMS14

Operator ID:

Lims ID: STD40

Worklist Smp#: 9

Client ID:

Purge Vol: 10.000 mL

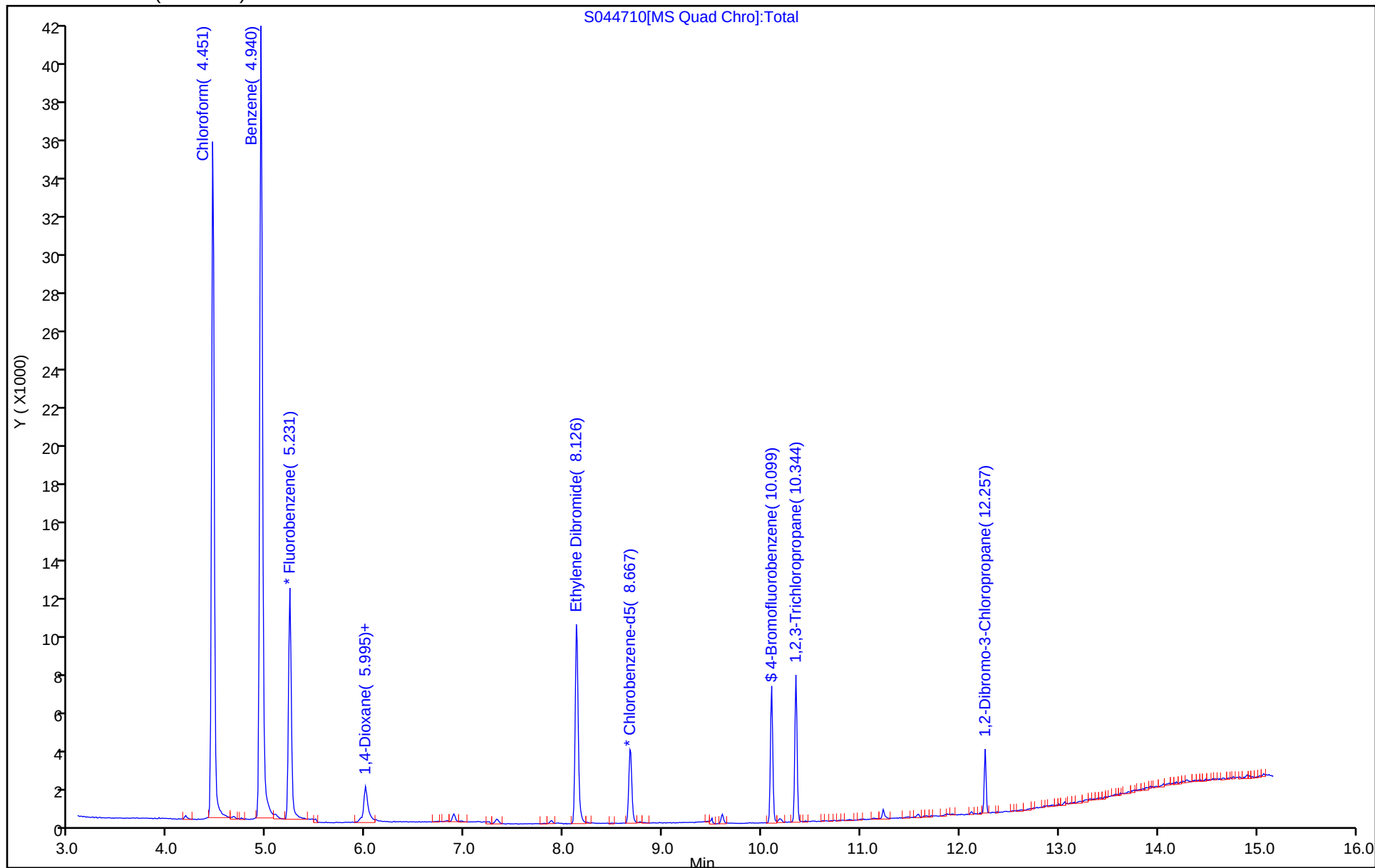
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Lims ID: STD50
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 26-Mar-2021 16:16:08 ALS Bottle#: 0 Worklist Smp#: 10
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: STD50
 Misc. Info.: 460-0126050-010
 Operator ID: Instrument ID: CVOAMS14
 Sublist: chrom-8260SIM_14*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 28-Mar-2021 10:06:42 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: kluseys

Date: 26-Mar-2021 17:24:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.231	5.231	0.000	100	27764	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.947	5.947	0.000	41	325	10.0	10.0	
* 3 Chlorobenzene-d5	119	8.676	8.675	0.001	87	4724	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.099	10.099	0.000	100	5874	0.5000	0.4901	
6 Chloroform	83	4.451	4.451	0.000	100	69063	2.00	1.50	
7 Benzene	78	4.940	4.940	0.000	29	132855	2.00	1.37	a
8 1,4-Dioxane	88	5.995	6.007	-0.012	100	4382	50.0	47.1	
9 Ethylene Dibromide	109	8.126	8.134	-0.008	98	17813	2.00	1.50	
10 1,2,3-Trichloropropane	110	10.344	10.344	0.000	98	5986	2.00	1.33	
11 1,2-Dibromo-3-Chloropropane	157	12.257	12.257	0.000	92	3597	2.00	1.14	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SIMDIOX50_00059	Amount Added: 50.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 10.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D

Injection Date: 26-Mar-2021 16:16:08

Instrument ID: CVOAMS14

Operator ID:

Lims ID: STD50

Worklist Smp#: 10

Client ID:

Purge Vol: 10.000 mL

Dil. Factor: 1.0000

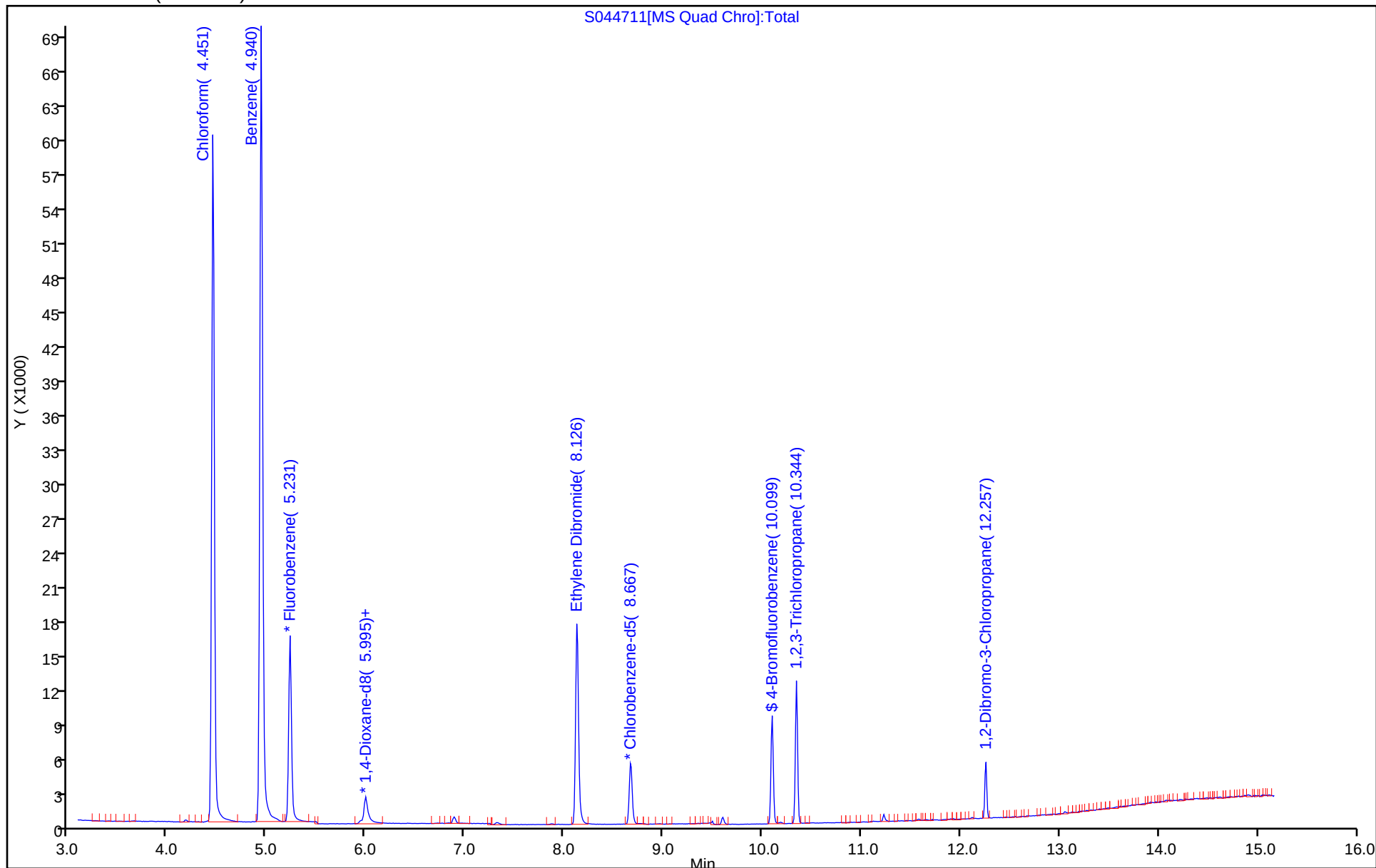
ALS Bottle#:

0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Lab Sample ID: ICV 460-767485/13 Calibration Date: 03/26/2021 17:28
 Instrument ID: CVOAMS14 Calib Start Date: 03/26/2021 12:57
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/26/2021 16:16
 Lab File ID: S044714.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chloroform	Ave	0.8291	0.8710	0.2000	0.0670	0.0500	5.1	30.0
Benzene	Ave	1.748	1.902	0.5000	0.100	0.0500	8.8	30.0
1,4-Dioxane	Ave	2.864	2.488		4.25	5.00	-13.1	30.0
Ethylene Dibromide	Ave	1.260	1.229	0.1000	0.0488	0.0500	-2.4	30.0
1,2,3-Trichloropropane	Ave	0.4760	0.4294		0.0451	0.0500	-9.8	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.3345	0.3037	0.0500	0.0454	0.0500	-9.2	30.0
4-Bromofluorobenzene	Ave	1.268	1.279		0.504	0.500	0.9	30.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044714.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 26-Mar-2021 17:28:22 ALS Bottle#: 0 Worklist Smp#: 13
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 460-0126050-013
 Operator ID: Instrument ID: CVOAMS14
 Sublist:
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 27-Mar-2021 20:09:25 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: kluseys

Date: 26-Mar-2021 20:23:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.231	5.231	0.000	100	25831	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.946	5.947	-0.001	42	336	10.0	10.0	
* 3 Chlorobenzene-d5	119	8.675	8.675	0.000	90	4215	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.099	10.099	0.000	99	5392	0.5000	0.5043	
6 Chloroform	83	4.450	4.451	-0.001	100	2250	0.0500	0.0525	
7 Benzene	78	4.940	4.940	0.000	59	4913	0.0500	0.0544	
8 1,4-Dioxane	88	6.007	6.007	0.000	88	418	5.00	4.25	
9 Ethylene Dibromide	109	8.125	8.134	-0.009	97	518	0.0500	0.0488	
10 1,2,3-Trichloropropane	110	10.343	10.344	-0.001	95	181	0.0500	0.0451	
11 1,2-Dibromo-3-Chloropropane	157	12.257	12.257	0.000	92	128	0.0500	0.0454	

QC Flag Legend

Processing Flags

Reagents:

SIMMIX1SS_00035	Amount Added: 1.00	Units: uL	
1,4DIOXSP_00112	Amount Added: 20.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044714.D

Injection Date: 26-Mar-2021 17:28:22

Instrument ID: CVOAMS14

Operator ID:

Lims ID: ICV

Worklist Smp#: 13

Client ID:

Purge Vol: 10.000 mL

Dil. Factor: 1.0000

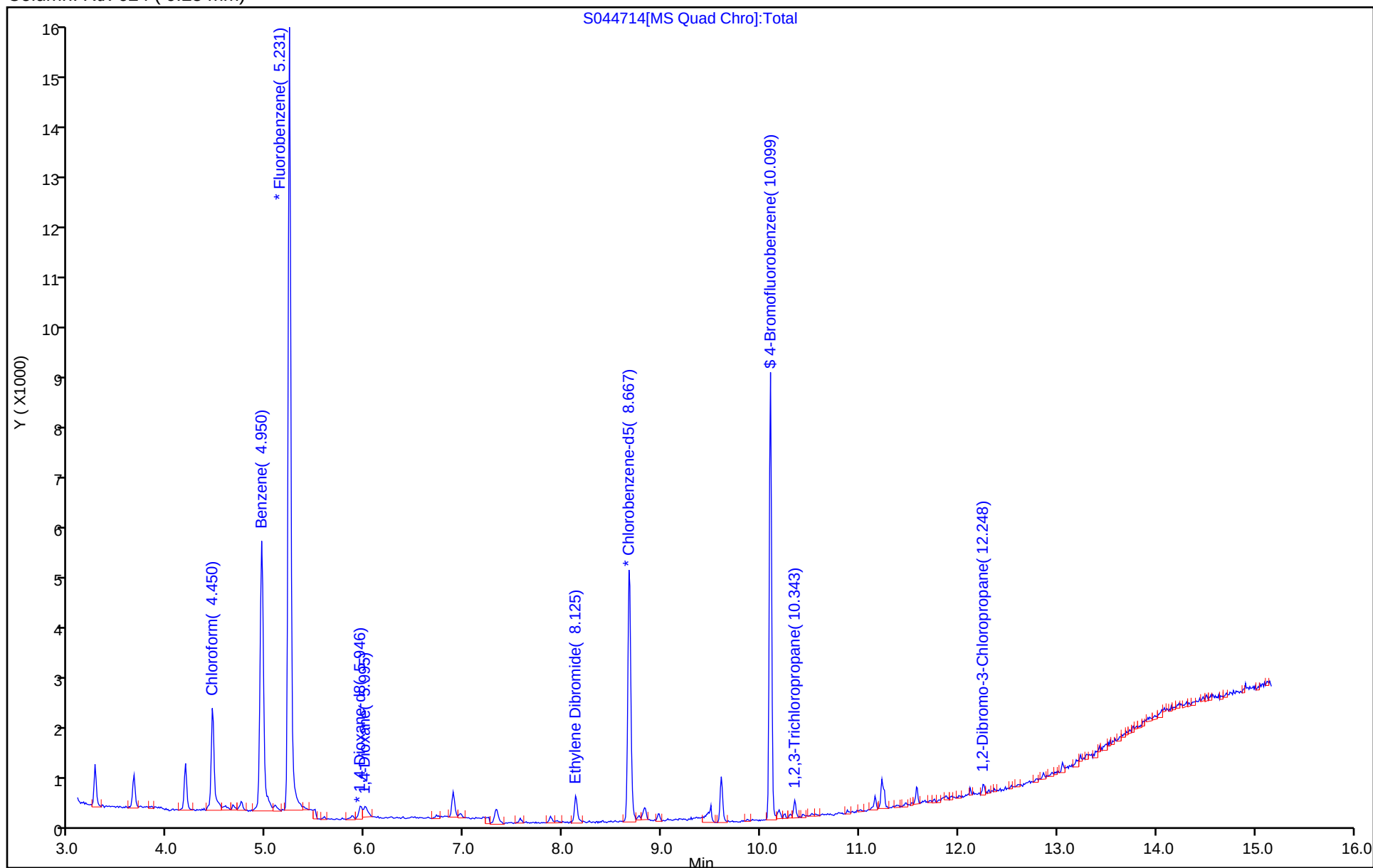
ALS Bottle#:

0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-769881/3 Calibration Date: 04/07/2021 08:39
 Instrument ID: CVOAMS14 Calib Start Date: 03/26/2021 12:57
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/26/2021 16:16
 Lab File ID: S045286.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chloroform	Ave	0.8291	0.7349	0.2000	0.0670	0.0500	-11.4	20.0
Benzene	Ave	1.748	1.641	0.5000	0.100	0.0500	-6.1	20.0
1,4-Dioxane	Ave	2.864	2.243		3.92	5.00	-21.7	50.0
Ethylene Dibromide	Ave	1.260	1.131	0.1000	0.0449	0.0500	-10.2	20.0
1,2,3-Trichloropropane	Ave	0.4760	0.4210		0.0442	0.0500	-11.6	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.3345	0.2202	0.0500	0.0329	0.0500	-34.2	50.0
4-Bromofluorobenzene	Ave	1.268	1.340		0.528	0.500	5.6	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045286.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 07-Apr-2021 08:39:54 ALS Bottle#: 0 Worklist Smp#: 3
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 460-0126631-003
 Operator ID: Instrument ID: CVOAMS14
 Sublist: chrom-8260SIM_14*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 11:13:00 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: desais

Date: 07-Apr-2021 09:28:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.231	5.231	0.000	100	35976	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.947	5.947	0.000	28	387	10.0	10.0	
* 3 Chlorobenzene-d5	119	8.667	8.667	0.000	98	5630	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.099	10.099	0.000	98	7542	0.5000	0.5281	
6 Chloroform	83	4.451	4.451	0.000	99	2644	0.0500	0.0443	
7 Benzene	78	4.940	4.940	0.000	98	5905	0.0500	0.0469	
8 1,4-Dioxane	88	5.995	5.995	0.000	82	434	5.00	3.92	
9 Ethylene Dibromide	109	8.126	8.126	0.000	96	637	0.0500	0.0449	
10 1,2,3-Trichloropropane	110	10.344	10.344	0.000	98	237	0.0500	0.0442	
11 1,2-Dibromo-3-Chloropropane	157	12.257	12.257	0.000	94	124	0.0500	0.0329	

QC Flag Legend

Processing Flags

Reagents:

SIMDIOX50_00059	Amount Added: 20.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 1.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045286.D

Injection Date: 07-Apr-2021 08:39:54

Instrument ID: CVOAMS14

Operator ID:

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 10.000 mL

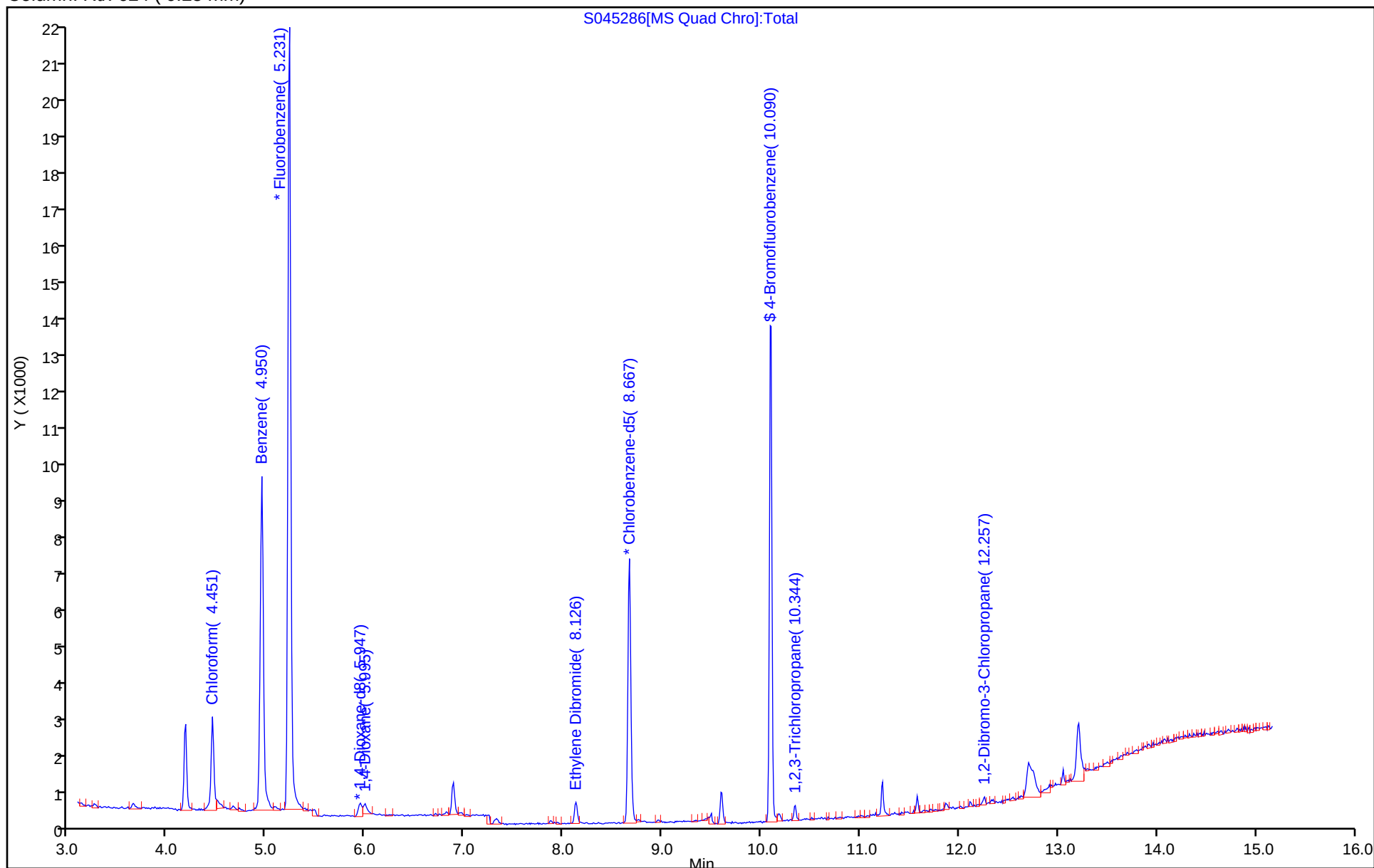
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-770057/2 Calibration Date: 04/07/2021 20:38
 Instrument ID: CVOAMS14 Calib Start Date: 03/26/2021 12:57
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/26/2021 16:16
 Lab File ID: S045317.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chloroform	Ave	0.8291	1.308	0.2000	0.0789	0.0500	57.8*	20.0
Benzene	Ave	1.748	3.115	0.5000	0.100	0.0500	78.2*	20.0
1,4-Dioxane	Ave	2.864	2.498		4.36	5.00	-12.8	50.0
Ethylene Dibromide	Ave	1.260	1.139	0.1000	0.0452	0.0500	-9.6	20.0
1,2,3-Trichloropropane	Ave	0.4760	0.3992		0.0419	0.0500	-16.1	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.3345	0.2265	0.0500	0.0339	0.0500	-32.3	50.0
4-Bromofluorobenzene	Ave	1.268	1.363		0.537	0.500	7.4	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\S045317.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 07-Apr-2021 20:38:06 ALS Bottle#: 0 Worklist Smp#: 2
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Operator ID: Instrument ID: CVOAMS14
 Sublist: chrom-8260SIM_14*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 08-Apr-2021 04:49:50 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1686

First Level Reviewer: boykink

Date: 07-Apr-2021 21:11:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.233	5.233	0.000	66	26108	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.945	5.945	0.000	33	442	10.0	10.0	M
* 3 Chlorobenzene-d5	119	8.665	8.665	0.000	99	6313	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.097	10.097	0.000	99	8603	0.5000	0.5372	
6 Chloroform	83	4.451	4.451	0.000	97	3415	0.0500	0.0789	
7 Benzene	78	4.940	4.940	0.000	96	8133	0.0500	0.0891	
8 1,4-Dioxane	88	5.993	5.993	0.000	93	552	5.00	4.36	
9 Ethylene Dibromide	109	8.124	8.124	0.000	98	719	0.0500	0.0452	
10 1,2,3-Trichloropropane	110	10.342	10.342	0.000	99	252	0.0500	0.0419	
11 1,2-Dibromo-3-Chloropropane	157	12.255	12.255	0.000	62	143	0.0500	0.0339	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SIMDIOX50_00059	Amount Added: 20.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 1.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\S045317.D

Injection Date: 07-Apr-2021 20:38:06

Instrument ID: CVOAMS14

Operator ID:

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 10.000 mL

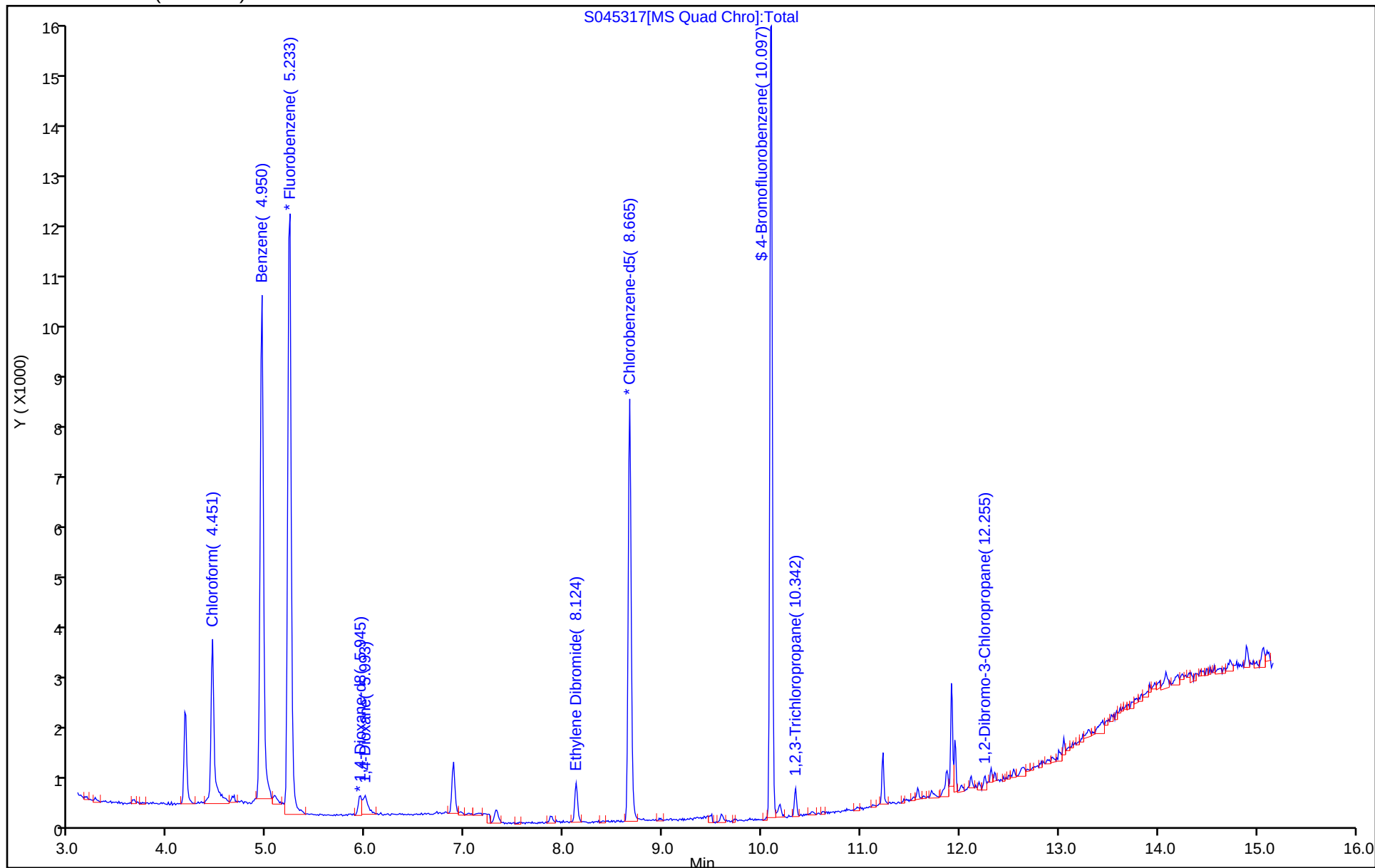
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044702b.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 26-Mar-2021 12:37:37 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 10.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0126050-001
Operator ID: Instrument ID: CVOAMS14
Method: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\8260SIM_14.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 27-Mar-2021 20:09:25 Calib Date: 26-Mar-2021 16:16:08
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: desais

Date: 26-Mar-2021 12:48:13

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

\$ 5 BFB	95	3.826	3.826	0.000	0	257425	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00028

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044702b.D

Injection Date: 26-Mar-2021 12:37:37

Instrument ID: CVOAMS14

Lims ID: BFB

Client ID:

Operator ID:

ALS Bottle#:

0

Worklist Smp#:

1

Injection Vol: 10.0 mL

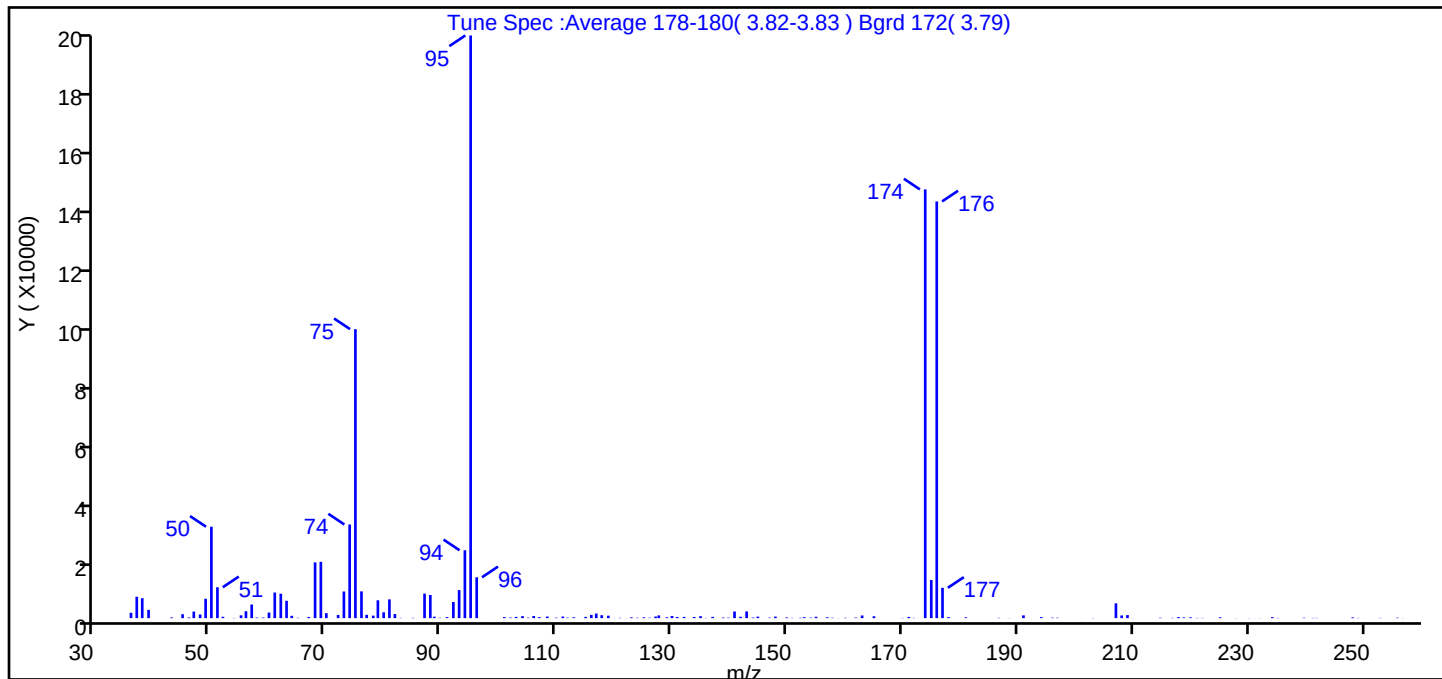
Dil. Factor: 1.0000

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.7
75	30 to 60% of m/z 95	49.6
96	5 to 9% of m/z 95	7.0
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	6.5 (8.9)
176	Greater than 95% but less than 101% of m/z 174	71.5 (97.2)
177	5 to 9% of m/z 176	5.2 (7.3)

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044702b.D\8260SIM_14.rslt\spectra.d
Injection Date: 26-Mar-2021 12:37:37
Spectrum: Tune Spec :Average 178-180(3.82-3.83) Bgrd 172(3.79)
Base Peak: 95.05
Minimum % Base Peak: 0
Number of Points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1765	82.00	1351	128.00	899	181.00	275
37.00	7086	83.00	95	129.00	277	187.00	105
38.00	6599	85.00	111	130.00	703	188.00	35
39.00	2746	87.00	8097	131.00	383	191.00	919
43.00	241	88.00	7642	132.00	414	194.00	328
45.00	1296	89.00	484	134.00	390	196.00	164
46.00	215	90.00	102	135.00	641	197.00	135
47.00	2178	91.00	331	136.00	58	201.00	24
48.00	1199	92.00	5323	137.00	423	202.00	1
49.00	6409	93.00	9275	139.00	200	203.00	65
50.00	30208	94.00	22432	140.00	150	207.00	4893
51.00	10209	95.00	192576	141.00	2193	208.00	890
52.00	460	96.00	13511	142.00	436	209.00	1013
54.00	72	98.00	24	143.00	2221	210.00	35
55.00	928	101.00	355	144.00	197	215.00	137
56.00	2277	102.00	186	145.00	499	217.00	99
57.00	4508	103.00	417	147.00	157	218.00	360
58.00	194	104.00	661	148.00	514	219.00	228
59.00	195	105.00	147	150.00	242	220.00	266
60.00	1852	106.00	712	151.00	83	221.00	86
61.00	8478	107.00	337	152.00	131	222.00	78
62.00	8081	108.00	532	153.00	318	225.00	284
63.00	5732	110.00	163	154.00	158	228.00	46
64.00	770	111.00	535	155.00	457	230.00	44
65.00	119	112.00	160	157.00	282	231.00	24
67.00	389	113.00	283	158.00	140	232.00	39
68.00	18424	115.00	420	159.00	37	234.00	332
69.00	18600	116.00	1070	160.00	130	235.00	79
70.00	1639	117.00	1522	162.00	193	240.00	140
72.00	1035	118.00	964	163.00	883	241.00	87
73.00	8810	119.00	811	165.00	620	242.00	81
74.00	30960	120.00	19	170.00	72	248.00	256
75.00	95512	121.00	102	171.00	401	249.00	71

Report Date: 27-Mar-2021 20:09:25

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044702b.D\8260SIM_14.rslt\spectra.d

Injection Date: 26-Mar-2021 12:37:37

Spectrum: Tune Spec :Average 178-180(3.82-3.83) Bgrd 172(3.79)

Base Peak: 95.05

Minimum % Base Peak: 0

Number of Points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	8849	122.00	22	172.00	84	250.00	17
77.00	1107	123.00	277	174.00	141696	253.00	78
78.00	833	124.00	119	175.00	12597	256.00	151
79.00	5906	125.00	273	176.00	137728	257.00	35
80.00	1939	126.00	128	177.00	10023		
81.00	6211	127.00	525	178.00	332		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-769881/8
Matrix: Water Lab File ID: S045291.D
Analysis Method: 8260D SIM Date Collected: _____
Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2021 10:42
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 769881 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.33	U	0.40	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		65-133

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045291.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 07-Apr-2021 10:42:37 ALS Bottle#: 0 Worklist Smp#: 8
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 460-0126631-008
 Operator ID: Instrument ID: CVOAMS14
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 12:14:36 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: desais

Date: 07-Apr-2021 11:12:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.233	5.231	0.002	66	21394	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.945	5.947	-0.002	19	333	10.0	10.0	
* 3 Chlorobenzene-d5	119	8.665	8.667	-0.002	91	5047	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.097	10.099	-0.002	97	6561	0.5000	0.5124	
7 Benzene	78	4.940	4.940	0.000	71	881		0.0118	

QC Flag Legend

Processing Flags

Reagents:

SimissurNEW_00046

Amount Added: 2.00

Units: uL

Run Reagent

Report Date: 07-Apr-2021 12:17:14

Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045291.D

Injection Date: 07-Apr-2021 10:42:37

Instrument ID: CVOAMS14

Operator ID:

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 10.000 mL

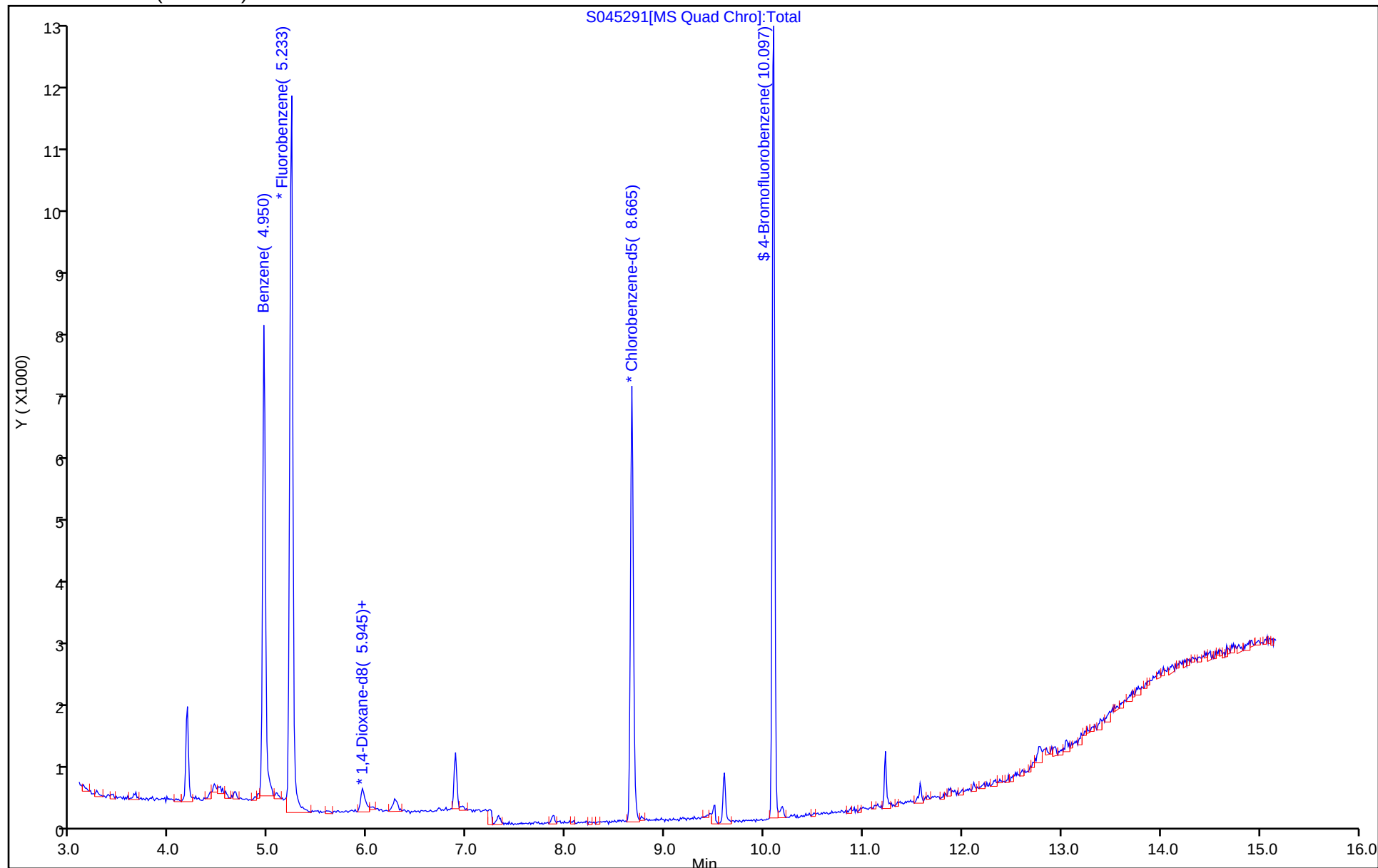
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-770057/8
Matrix: Water Lab File ID: S045323.D
Analysis Method: 8260D SIM Date Collected: _____
Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2021 23:02
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 770057 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.33	U	0.40	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	105		65-133

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\S045323.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 07-Apr-2021 23:02:12 ALS Bottle#: 0 Worklist Smp#: 8
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 460-0126668-008
 Operator ID: Instrument ID: CVOAMS14
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 08-Apr-2021 04:49:27 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1686

First Level Reviewer: desais

Date: 08-Apr-2021 04:37:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.233	5.233	0.000	66	24087	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.944	5.945	-0.001	37	368	10.0	10.0	
* 3 Chlorobenzene-d5	119	8.673	8.665	0.008	90	5916	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.097	10.097	0.000	95	7842	0.5000	0.5225	
7 Benzene	78	4.940	4.940	0.000	72	903		0.0107	

QC Flag Legend

Processing Flags

Reagents:

SimissurNEW_00046

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\S045323.D

Injection Date: 07-Apr-2021 23:02:12

Instrument ID: CVOAMS14

Operator ID:

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 10.000 mL

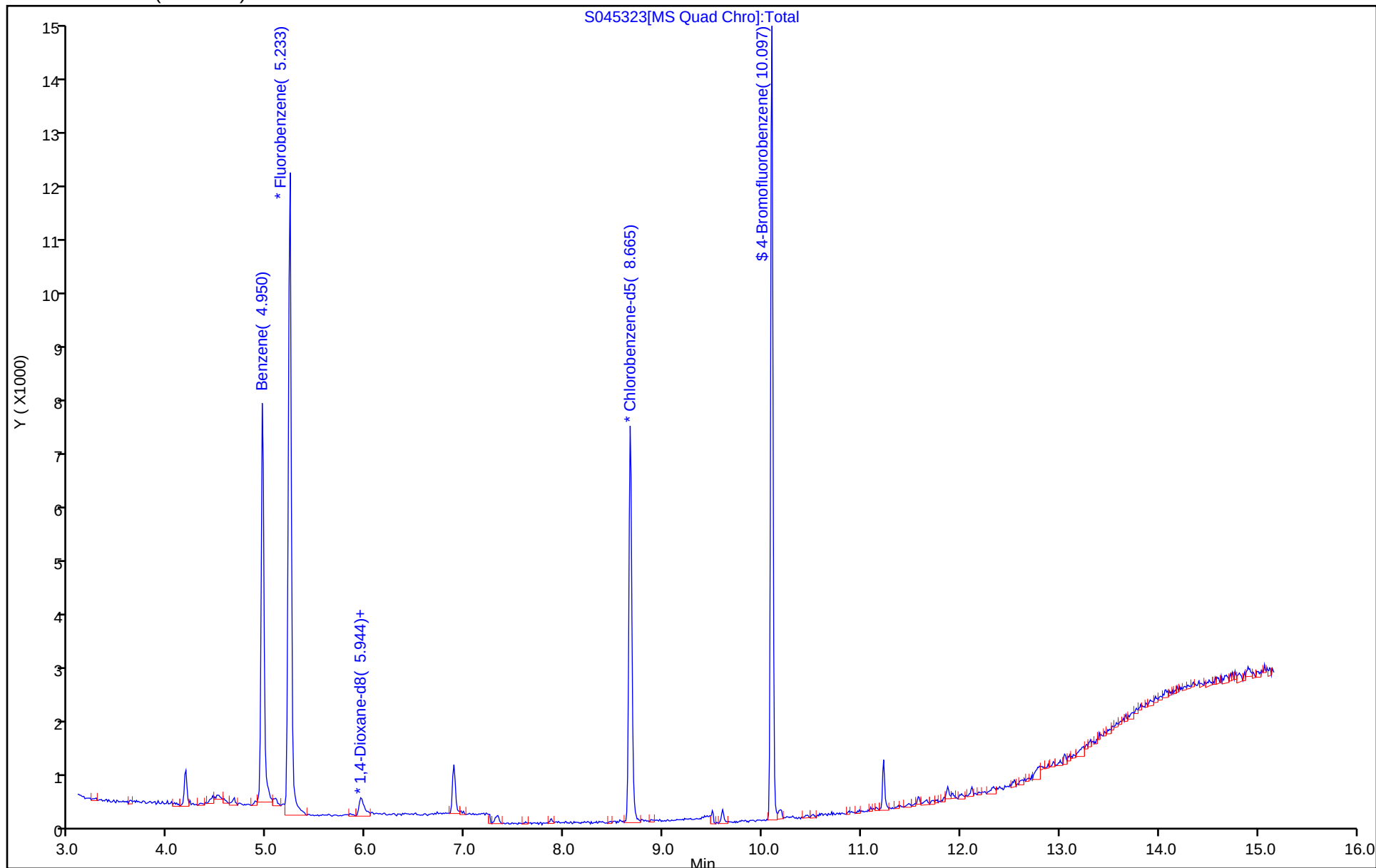
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 460-769881/4
Matrix: Water Lab File ID: S045287.D
Analysis Method: 8260D SIM Date Collected: _____
Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2021 09:03
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 769881 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	5.09		0.40	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	104		65-133

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045287.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 07-Apr-2021 09:03:56 ALS Bottle#: 0 Worklist Smp#: 4
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 460-0126631-004
 Operator ID: Instrument ID: CVOAMS14
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 11:13:00 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: desais

Date: 07-Apr-2021 09:29:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.231	5.231	0.000	100	36896	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.947	5.947	0.000	25	315	10.0	10.0	M
* 3 Chlorobenzene-d5	119	8.667	8.667	0.000	99	5840	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.099	10.099	0.000	99	7688	0.5000	0.5189	
6 Chloroform	83	4.451	4.451	0.000	100	2600	0.0500	0.0425	
7 Benzene	78	4.940	4.940	0.000	99	5621	0.0500	0.0436	
8 1,4-Dioxane	88	5.995	5.995	0.000	71	459	5.00	5.09	
9 Ethylene Dibromide	109	8.126	8.126	0.000	99	598	0.0500	0.0406	
10 1,2,3-Trichloropropane	110	10.344	10.344	0.000	98	208	0.0500	0.0374	
11 1,2-Dibromo-3-Chloropropane	157	12.257	12.257	0.000	84	106	0.0500	0.0271	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SIMDIOX50_00059	Amount Added: 20.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 1.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045287.D

Injection Date: 07-Apr-2021 09:03:56

Instrument ID: CVOAMS14

Operator ID:

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 10.000 mL

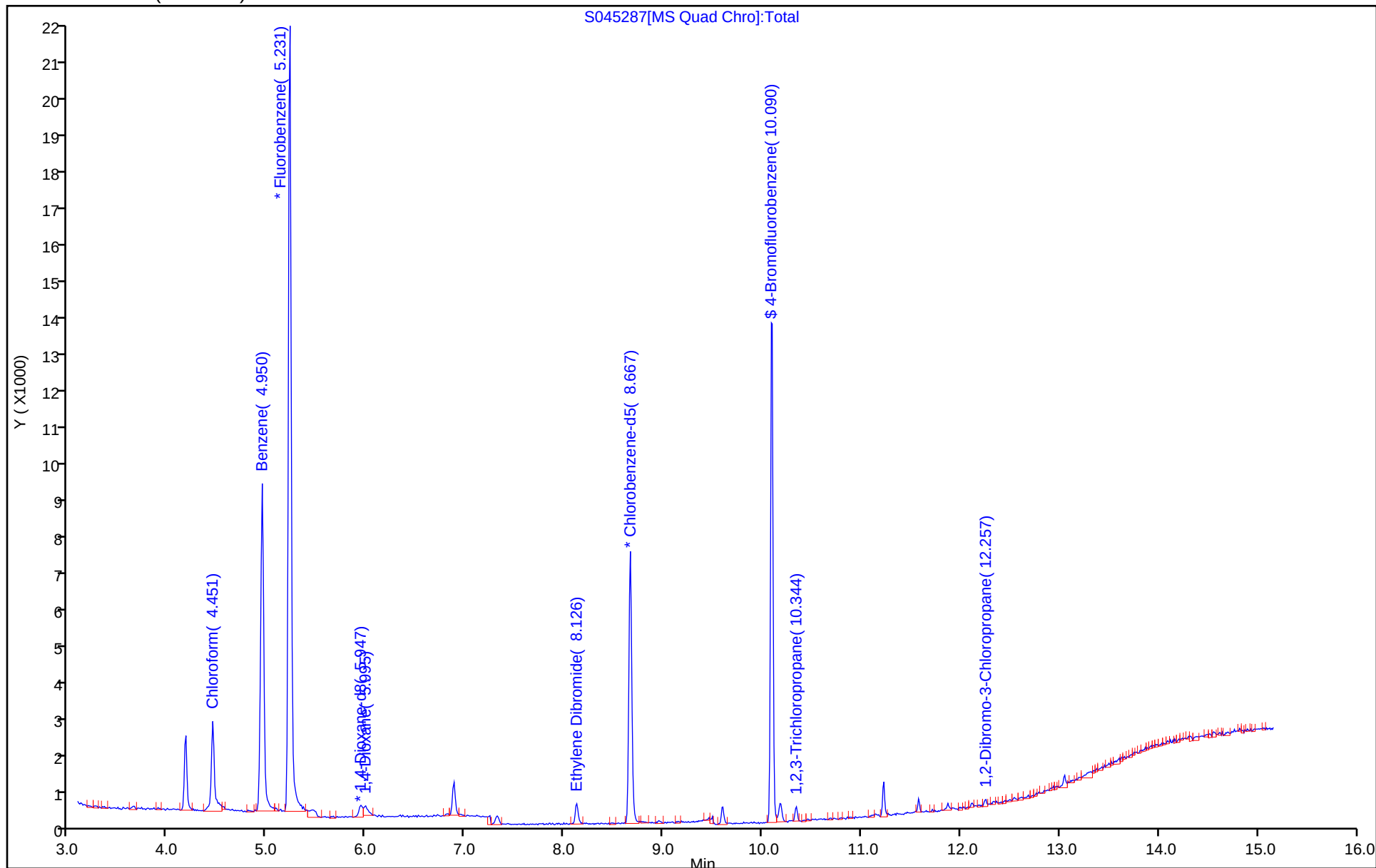
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045287.D

Injection Date: 07-Apr-2021 09:03:56

Instrument ID: CVOAMS14

Lims ID: LCS

Client ID:

Operator ID:

ALS Bottle#:

0

Worklist Smp#:

4

Purge Vol: 10.000 mL

Dil. Factor: 1.0000

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

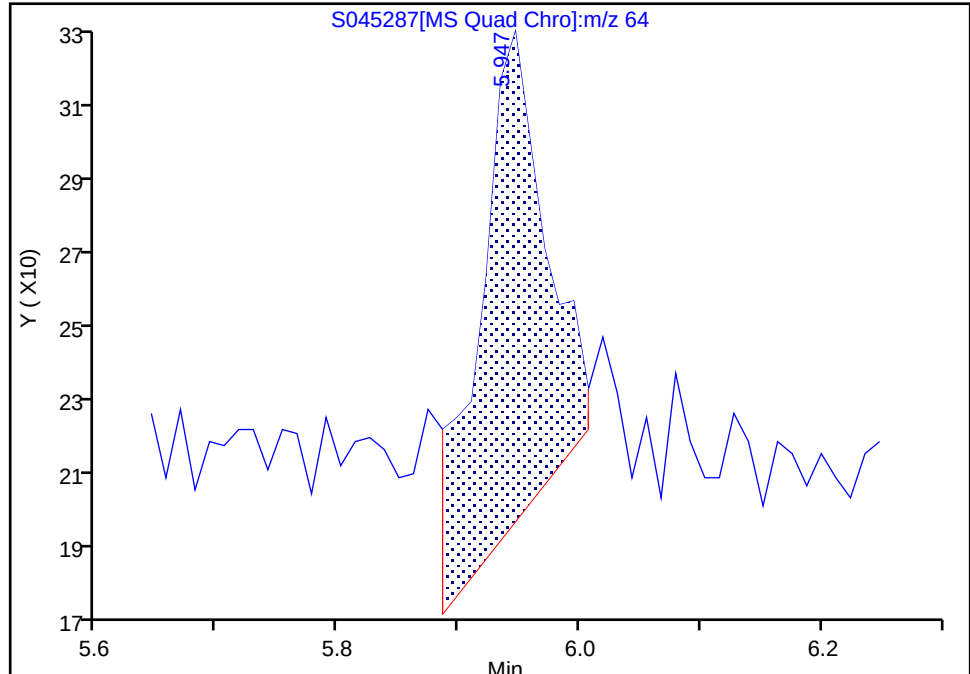
Detector: MS SCAN

* 2 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

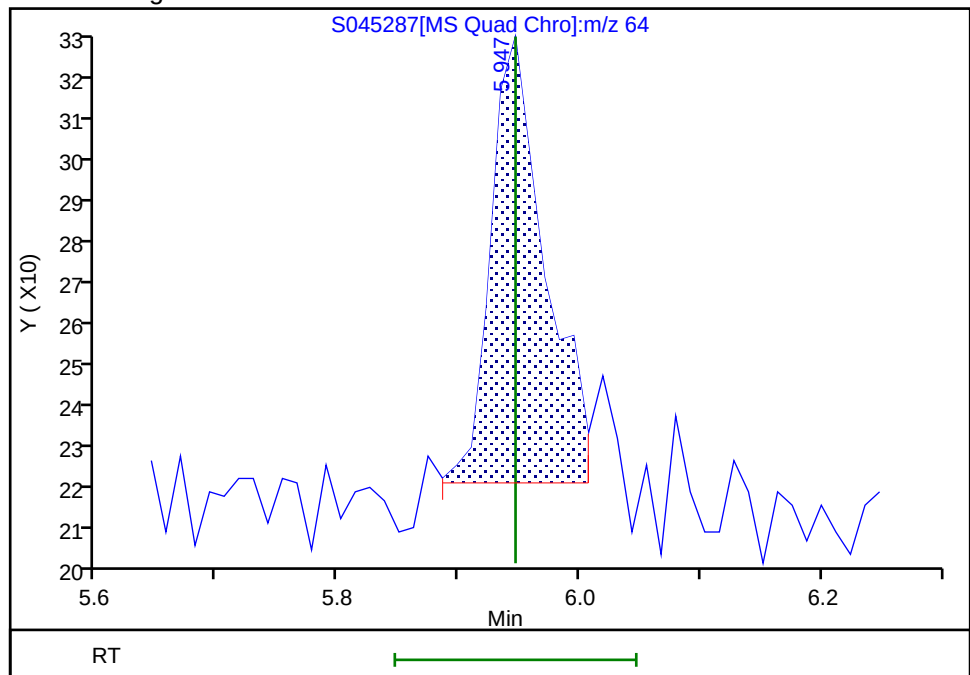
RT: 5.95
Area: 490
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 5.95
Area: 315
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: desais, 07-Apr-2021 09:29:49

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 460-770057/4
Matrix: Water Lab File ID: S045319.D
Analysis Method: 8260D SIM Date Collected: _____
Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2021 21:26
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 770057 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	4.27		0.40	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		65-133

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\S045319.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 07-Apr-2021 21:26:12 ALS Bottle#: 0 Worklist Smp#: 4
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Operator ID: Instrument ID: CVOAMS14
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 08-Apr-2021 04:49:27 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1686

First Level Reviewer: desais

Date: 08-Apr-2021 04:36:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.233	5.233	0.000	66	25498	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.945	5.945	0.000	21	435	10.0	10.0	M
* 3 Chlorobenzene-d5	119	8.674	8.665	0.009	89	6186	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.097	10.097	0.000	97	8406	0.5000	0.5357	
6 Chloroform	83	4.451	4.451	0.000	98	3090	0.0500	0.0731	
7 Benzene	78	4.940	4.940	0.000	93	6957	0.0500	0.0780	
8 1,4-Dioxane	88	5.993	5.993	0.000	90	532	5.00	4.27	
9 Ethylene Dibromide	109	8.124	8.124	0.000	95	714	0.0500	0.0458	
10 1,2,3-Trichloropropane	110	10.342	10.342	0.000	98	292	0.0500	0.0496	
11 1,2-Dibromo-3-Chloropropane	157	12.255	12.255	0.000	94	124	0.0500	0.0300	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SIMDIOX50_00059	Amount Added: 20.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 1.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\S045319.D

Injection Date: 07-Apr-2021 21:26:12

Instrument ID: CVOAMS14

Operator ID:

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 10.000 mL

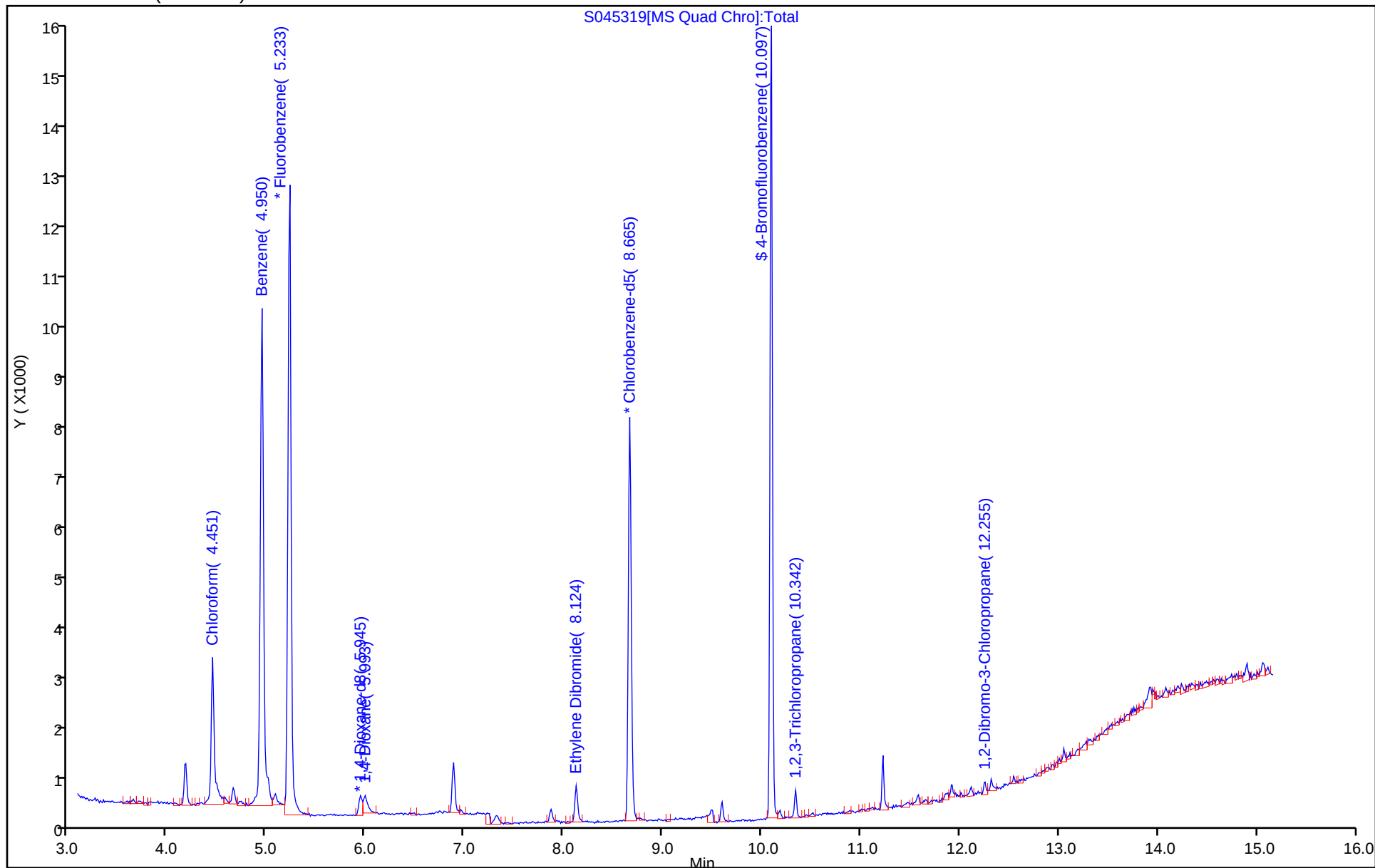
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\S045319.D

Injection Date: 07-Apr-2021 21:26:12

Instrument ID: CVOAMS14

Lims ID: LCS

Client ID:

Operator ID:

ALS Bottle#:

0

Worklist Smp#: 4

Purge Vol: 10.000 mL

Dil. Factor: 1.0000

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

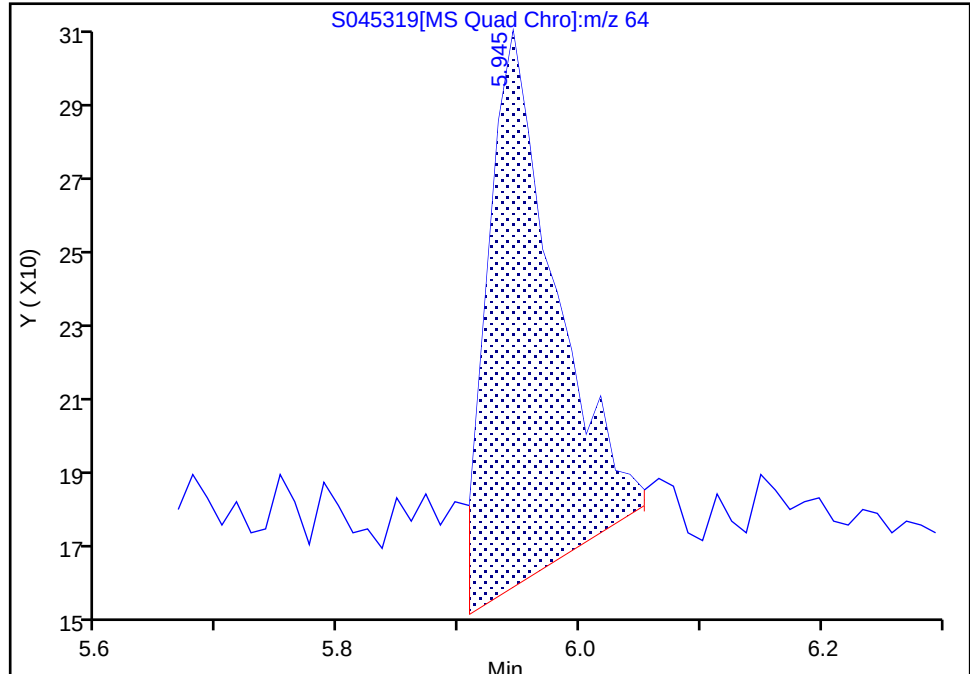
Detector: MS SCAN

* 2 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

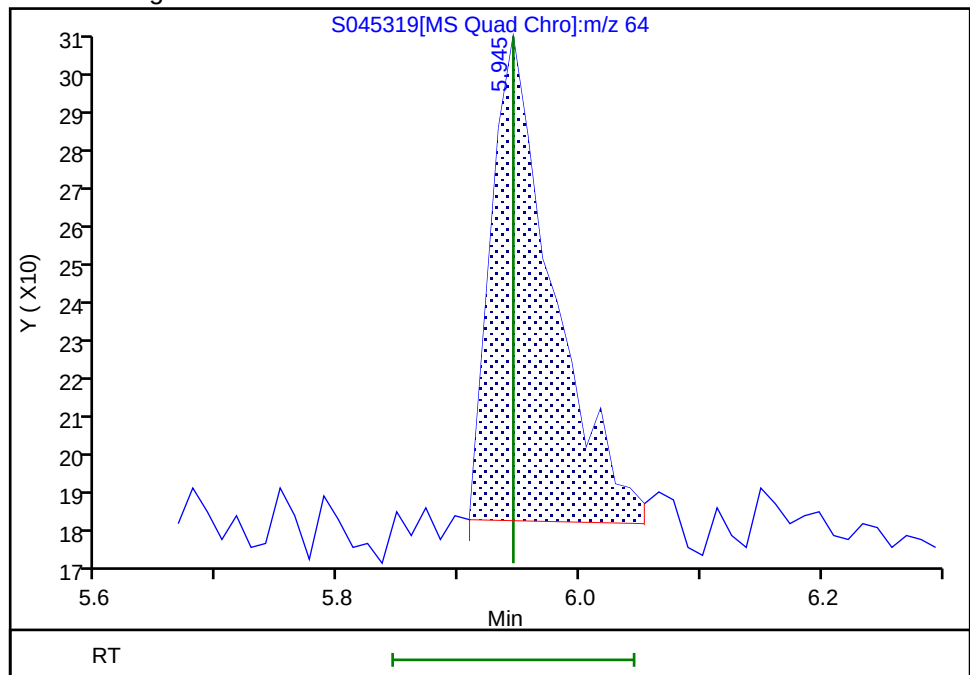
RT: 5.94
Area: 562
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 5.94
Area: 435
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: boykink, 08-Apr-2021 01:19:39

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 460-769881/6
Matrix: Water Lab File ID: S045289.D
Analysis Method: 8260D SIM Date Collected: _____
Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2021 09:51
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 769881 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	5.15		0.40	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	104		65-133

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045289.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 07-Apr-2021 09:51:57 ALS Bottle#: 0 Worklist Smp#: 6
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: LCSD
 Misc. Info.: 460-0126631-006
 Operator ID: Instrument ID: CVOAMS14
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 07-Apr-2021 11:13:02 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: desais

Date: 07-Apr-2021 10:26:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.231	5.231	0.000	100	36488	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.946	5.947	-0.001	26	334	10.0	10.0	M
* 3 Chlorobenzene-d5	119	8.667	8.667	0.000	99	5802	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.099	10.099	0.000	98	7634	0.5000	0.5187	
6 Chloroform	83	4.451	4.451	0.000	98	2708	0.0500	0.0448	
7 Benzene	78	4.940	4.940	0.000	97	5875	0.0500	0.0460	
8 1,4-Dioxane	88	5.995	5.995	0.000	74	493	5.00	5.15	
9 Ethylene Dibromide	109	8.126	8.126	0.000	97	647	0.0500	0.0443	
10 1,2,3-Trichloropropane	110	10.343	10.344	-0.001	97	233	0.0500	0.0422	
11 1,2-Dibromo-3-Chloropropane	157	12.257	12.257	0.000	87	93	0.0500	0.0240	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SIMDIOX50_00059	Amount Added: 20.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 1.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045289.D

Injection Date: 07-Apr-2021 09:51:57

Instrument ID: CVOAMS14

Operator ID:

Lims ID: LCSD

Worklist Smp#: 6

Client ID:

Purge Vol: 10.000 mL

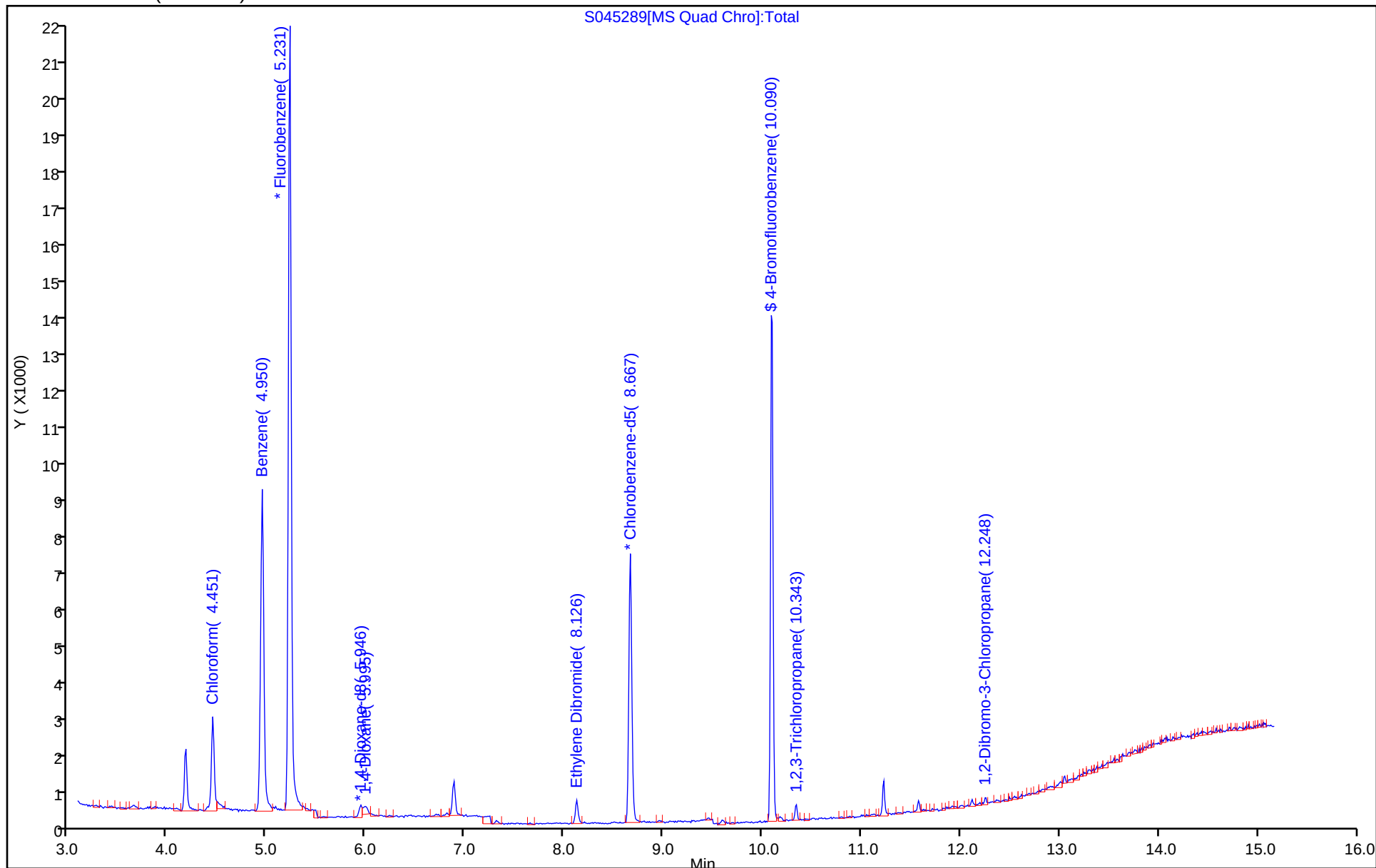
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126631.b\S045289.D

Injection Date: 07-Apr-2021 09:51:57

Instrument ID: CVOAMS14

Lims ID: LCSD

Client ID:

Operator ID:

ALS Bottle#:

0

Worklist Smp#: 6

Purge Vol: 10.000 mL

Dil. Factor: 1.0000

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

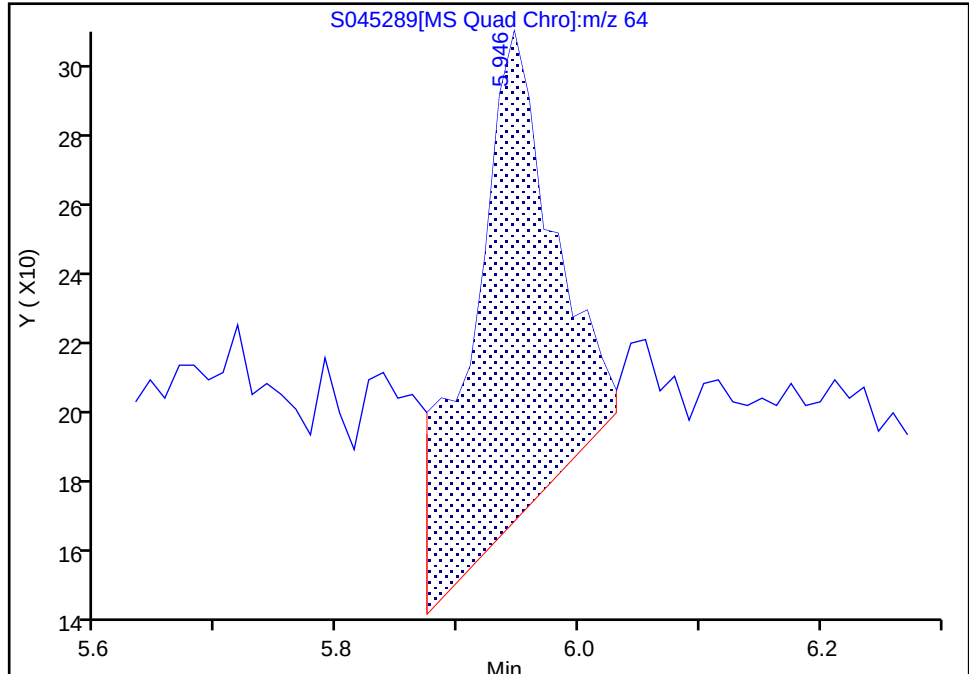
Detector: MS SCAN

* 2 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

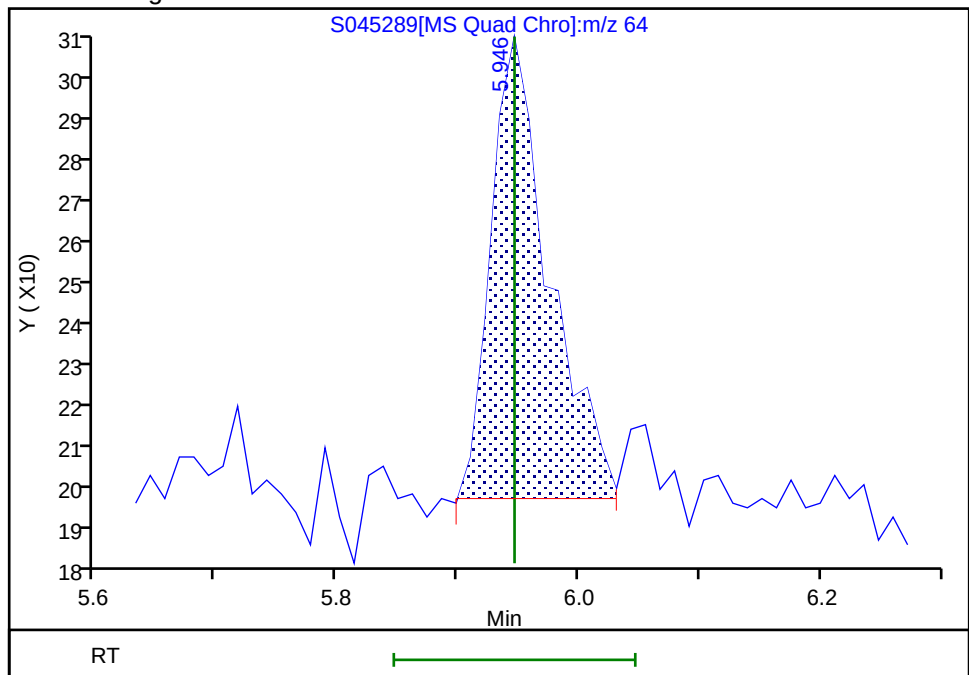
RT: 5.95
Area: 651
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 5.95
Area: 334
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: desais, 07-Apr-2021 10:26:19

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 460-770057/5
Matrix: Water Lab File ID: S045320.D
Analysis Method: 8260D SIM Date Collected: _____
Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2021 21:50
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 770057 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	4.96		0.40	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		65-133

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\S045320.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 07-Apr-2021 21:50:14 ALS Bottle#: 0 Worklist Smp#: 5
 Purge Vol: 10.000 mL Dil. Factor: 1.0000
 Sample Info: LCSD
 Operator ID: Instrument ID: CVOAMS14
 Method: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\8260SIM_14.m
 Limit Group: VOA - 8260D Water and Solid
 Last Update: 08-Apr-2021 04:49:27 Calib Date: 26-Mar-2021 16:16:08
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS14\20210326-126050.b\S044711.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1686

First Level Reviewer: boykink

Date: 08-Apr-2021 01:21:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.233	5.233	0.000	66	26144	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	5.945	5.945	0.000	30	364	10.0	10.0	
* 3 Chlorobenzene-d5	119	8.674	8.665	0.009	89	6344	0.5000	0.5000	
\$ 4 4-Bromofluorobenzene	174	10.097	10.097	0.000	97	8618	0.5000	0.5355	
6 Chloroform	83	4.451	4.451	0.000	100	3058	0.0500	0.0705	
7 Benzene	78	4.940	4.940	0.000	95	6644	0.0500	0.0727	
8 1,4-Dioxane	88	5.993	5.993	0.000	92	517	5.00	4.96	
9 Ethylene Dibromide	109	8.124	8.124	0.000	96	670	0.0500	0.0419	
10 1,2,3-Trichloropropane	110	10.342	10.342	0.000	99	209	0.0500	0.0346	
11 1,2-Dibromo-3-Chloropropane	157	12.255	12.255	0.000	88	143	0.0500	0.0337	

QC Flag Legend

Processing Flags

Reagents:

SIMDIOX50_00059	Amount Added: 20.00	Units: uL	
VMB/C/MIX1SIM_00037	Amount Added: 1.00	Units: uL	
SimissurNEW_00046	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS14\20210407-126668.b\S045320.D

Injection Date: 07-Apr-2021 21:50:14

Instrument ID: CVOAMS14

Operator ID:

Lims ID: LCSD

Worklist Smp#: 5

Client ID:

Purge Vol: 10.000 mL

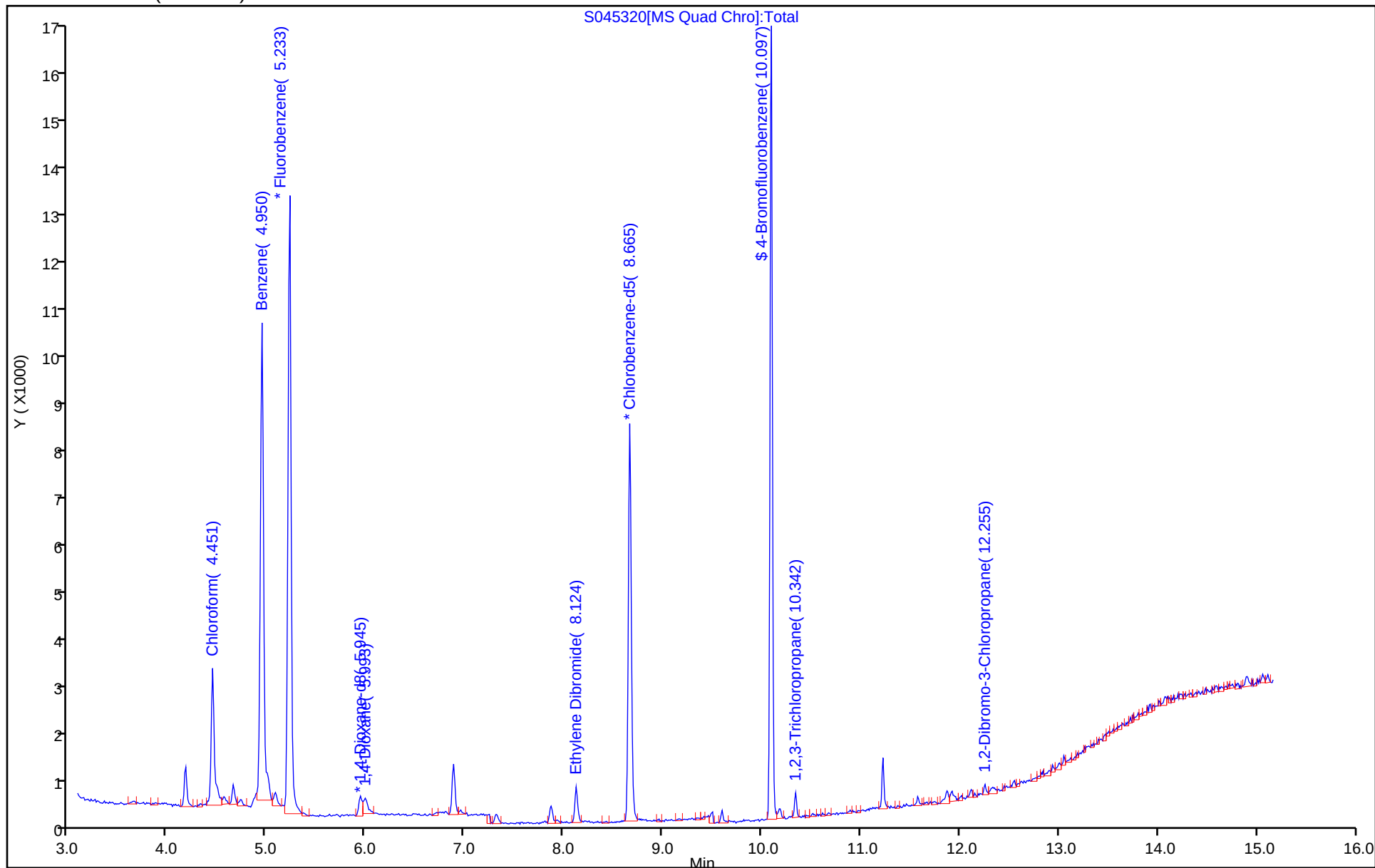
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: 8260SIM_14

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-231372-1

SDG No.:

Instrument ID: CVOAMS14

Start Date: 03/26/2021 12:37

Analysis Batch Number: 767485

End Date: 03/26/2021 17:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-767485/1		03/26/2021 12:37	1	S044702b.D	Rtx-624 0.25 (mm)
STD04 460-767485/3 IC		03/26/2021 13:27	1	S044704.D	Rtx-624 0.25 (mm)
STD1 460-767485/4 IC		03/26/2021 13:51	1	S044705.D	Rtx-624 0.25 (mm)
STD5 460-767485/5 ICIS		03/26/2021 14:15	1	S044706.D	Rtx-624 0.25 (mm)
STD10 460-767485/6 IC		03/26/2021 14:39	1	S044707.D	Rtx-624 0.25 (mm)
STD20 460-767485/7 IC		03/26/2021 15:03	1	S044708.D	Rtx-624 0.25 (mm)
STD30 460-767485/8 IC		03/26/2021 15:28	1	S044709.D	Rtx-624 0.25 (mm)
STD40 460-767485/9 IC		03/26/2021 15:52	1	S044710.D	Rtx-624 0.25 (mm)
STD50 460-767485/10 IC		03/26/2021 16:16	1	S044711.D	Rtx-624 0.25 (mm)
ICV 460-767485/13		03/26/2021 17:28	1	S044714.D	Rtx-624 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-231372-1

SDG No.:

Instrument ID: CVOAMS14

Start Date: 04/07/2021 08:00

Analysis Batch Number: 769881

End Date: 04/07/2021 19:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/07/2021 08:00	1		Rtx-624 0.25 (mm)
CCVIS 460-769881/3		04/07/2021 08:39	1	S045286.D	Rtx-624 0.25 (mm)
LCS 460-769881/4		04/07/2021 09:03	1	S045287.D	Rtx-624 0.25 (mm)
LCSD 460-769881/6		04/07/2021 09:51	1	S045289.D	Rtx-624 0.25 (mm)
MB 460-769881/8		04/07/2021 10:42	1	S045291.D	Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 11:06	1		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 11:30	1		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 12:18	1		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 12:42	2		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 13:06	5		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 13:30	10		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 13:54	1		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 15:30	1		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 15:54	1		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 16:18	1		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 16:43	1		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 17:07	1		Rtx-624 0.25 (mm)
460-231372-1	MW-7S_040121	04/07/2021 17:31	1	S045308.D	Rtx-624 0.25 (mm)
460-231372-2	DUP-1_040121	04/07/2021 17:55	1	S045309.D	Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 18:19	1		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 18:43	1		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 19:07	1		Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 19:31	1		Rtx-624 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, EdisonJob No.: 460-231372-1

SDG No.: _____

Instrument ID: CVOAMS14Start Date: 04/07/2021 20:14Analysis Batch Number: 770057End Date: 04/08/2021 06:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/07/2021 20:14	1		Rtx-624 0.25 (mm)
CCVIS 460-770057/2		04/07/2021 20:38	1	S045317.D	Rtx-624 0.25 (mm)
LCS 460-770057/4		04/07/2021 21:26	1	S045319.D	Rtx-624 0.25 (mm)
LCSD 460-770057/5		04/07/2021 21:50	1	S045320.D	Rtx-624 0.25 (mm)
MB 460-770057/8		04/07/2021 23:02	1	S045323.D	Rtx-624 0.25 (mm)
ZZZZZ		04/07/2021 23:26	1		Rtx-624 0.25 (mm)
460-231372-3	FB-1_040121	04/07/2021 23:50	1	S045325.D	Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 00:14	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 00:38	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 01:02	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 01:26	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 01:50	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 02:14	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 02:38	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 03:02	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 03:26	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 03:50	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 04:14	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 04:39	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 05:03	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 05:27	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 05:51	1		Rtx-624 0.25 (mm)
ZZZZZ		04/08/2021 06:15	1		Rtx-624 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Batch Number: 767485 Batch Start Date: 03/26/21 12:37 Batch Analyst: Desai, SaurabBatch Method: 8260D SIM Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	1,4DIOXSP 00112	BFB 00028	SIMDIOX50 00059	SimissurNEW 00046
BFB 460-767485/1		8260D SIM		10 mL	10 mL		1 uL		
STD04 460-767485/3 IC		8260D SIM		10 mL	10 mL			4 uL	2 uL
STD1 460-767485/4 IC		8260D SIM		10 mL	10 mL			10 uL	2 uL
STD5 460-767485/5 ICIS		8260D SIM		10 mL	10 mL			20 uL	2 uL
STD10 460-767485/6 IC		8260D SIM		10 mL	10 mL			20 uL	2 uL
STD20 460-767485/7 IC		8260D SIM		10 mL	10 mL			20 uL	2 uL
STD30 460-767485/8 IC		8260D SIM		10 mL	10 mL			30 uL	2 uL
STD40 460-767485/9 IC		8260D SIM		10 mL	10 mL			40 uL	2 uL
STD50 460-767485/10 IC		8260D SIM		10 mL	10 mL			50 uL	2 uL
ICV 460-767485/13		8260D SIM		10 mL	10 mL	20 uL			2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	SIMMIX1SS 00035	VMB/C/MIX1SIM 00037				
BFB 460-767485/1		8260D SIM							
STD04 460-767485/3 IC		8260D SIM			1 uL				
STD1 460-767485/4 IC		8260D SIM			2 uL				
STD5 460-767485/5 ICIS		8260D SIM			1 uL				
STD10 460-767485/6 IC		8260D SIM			1 uL				
STD20 460-767485/7 IC		8260D SIM			1 uL				
STD30 460-767485/8 IC		8260D SIM			2.5 uL				
STD40 460-767485/9 IC		8260D SIM			5 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.

8260D SIM

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Batch Number: 767485 Batch Start Date: 03/26/21 12:37 Batch Analyst: Desai, SaurabBatch Method: 8260D SIM Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	SIMMIX1SS 00035	VMB/C/MIX1SIM 00037				
STD50 460-767485/10 IC		8260D SIM			10 uL				
ICV 460-767485/13		8260D SIM		1 uL					

Batch Notes	

Basis	Basis Description

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.

8260D SIM

Page 2 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Batch Number: 769881 Batch Start Date: 04/07/21 08:00 Batch Analyst: Desai, SaurabBatch Method: 8260D SIM Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	SIMDIOX50 00059	SimissurNEW 00046	VMC/C/MIX1SIM 00037
CCVIS 460-769881/3		8260D SIM		10 mL	10 mL		20 uL	2 uL	1 uL
LCS 460-769881/4		8260D SIM		10 mL	10 mL		20 uL	2 uL	1 uL
LCSD 460-769881/6		8260D SIM		10 mL	10 mL		20 uL	2 uL	1 uL
MB 460-769881/8		8260D SIM		10 mL	10 mL			2 uL	
460-231372-D-1	MW-7S_040121	8260D SIM	T	10 mL	10 mL	<2 PH Units		2 uL	
460-231372-D-2	DUP-1_040121	8260D SIM	T	10 mL	10 mL	<2 PH Units		2 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.

8260D SIM

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Batch Number: 770057 Batch Start Date: 04/07/21 20:14 Batch Analyst: Boykin, KennethBatch Method: 8260D SIM Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	SIMDIOX50 00059	SimissurNEW 00046	VMB/C/MIX1SIM 00037
CCVIS 460-770057/2		8260D SIM		10 mL	10 mL		20 uL	2 uL	1 uL
LCS 460-770057/4		8260D SIM		10 mL	10 mL		20 uL	2 uL	1 uL
LCSD 460-770057/5		8260D SIM		10 mL	10 mL		20 uL	2 uL	1 uL
MB 460-770057/8		8260D SIM		10 mL	10 mL			2 uL	
460-231372-D-3	FB-1_040121	8260D SIM	T	10 mL	10 mL	<2 PH Units		2 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.

METALS

COVER PAGE
METALS

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-231372-1

SDG No.: _____

Project: Thomas & Betts Ansley Facility/Perkasie

Client Sample ID

MW-7S_040121

DUP-1_040121

FB-1_040121

Lab Sample ID

460-231372-1

460-231372-2

460-231372-3

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-7S_040121

Lab Sample ID: 460-231372-1

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-231372-1

SDG ID.:

Matrix: Water

Date Sampled: 04/01/2021 19:15

Reporting Basis: WET

Date Received: 04/02/2021 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	6.5	10.0	2.4	ug/L	J		1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DUP-1_040121

Lab Sample ID: 460-231372-2

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-231372-1

SDG ID.:

Matrix: Water

Date Sampled: 04/01/2021 00:00

Reporting Basis: WET

Date Received: 04/02/2021 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	6.9	10.0	2.4	ug/L	J		1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FB-1_040121

Lab Sample ID: 460-231372-3

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-231372-1

SDG ID.:

Matrix: Water

Date Sampled: 04/01/2021 19:25

Reporting Basis: WET

Date Received: 04/02/2021 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	2.4	10.0	2.4	ug/L	U		1	6010D

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

ICV Source: ME_ICV_D_00144 Concentration Units: ug/L

CCV Source: ME_CAL4_D_00010

Analyte	ICV 460-770236/7 04/08/2021 14:25				CCV 460-770236/16 04/08/2021 15:03				CCV 460-770236/64 04/08/2021 18:27			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	975.4		1000	98	1003		1000	100	975.2		1000	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

ICV Source: ME_ICV_D_00144 Concentration Units: ug/L

CCV Source: ME_CAL4_D_00010

Analyte	CCV 460-770236/76 04/08/2021 19:15				CCV 460-770236/80 04/08/2021 19:31							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	964.0		1000	96	963.0		1000	96				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-770236/8 04/08/2021 14:29		CCB 460-770236/17 04/08/2021 15:07		CCB 460-770236/65 04/08/2021 18:30		CCB 460-770236/77 04/08/2021 19:19	
		Found	C	Found	C	Found	C	Found	C
Lead	10.0	2.4	U	2.4	U	2.4	U	2.4	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-770236/81 04/08/2021 19:34							
		Found	C	Found	C	Found	C	Found	C
Lead	10.0	2.4	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Concentration Units: ug/L Lab Sample ID: MB 460-770101/1-A

Instrument Code: ICP5 Batch No.: 770236

CAS No.	Analyte	Concentration	C	Q	Method
7439-92-1	Lead	2.4	U		6010D

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-231372-1

SDG No.: _____

Lab Sample ID: ICSA 460-770236/10

Instrument ID: ICP5

Lab File ID: 770110D1.asc

ICS Source: ME_ICSA_D_00005

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Lead		-5.76	
<i>Aluminum</i>	<i>500000</i>	<i>512200</i>	<i>102</i>
<i>Antimony</i>		<i>-3.13</i>	
<i>Arsenic</i>		<i>-7.63</i>	
<i>Barium</i>		<i>-3.15</i>	
<i>Beryllium</i>		<i>-0.159</i>	
<i>Boron</i>		<i>-2.86</i>	
<i>Cadmium</i>		<i>0.341</i>	
<i>Calcium</i>	<i>500000</i>	<i>498800</i>	<i>100</i>
<i>Chromium</i>		<i>0.738</i>	
<i>Cobalt</i>		<i>1.30</i>	
<i>Copper</i>		<i>-7.73</i>	
<i>Iron</i>	<i>200000</i>	<i>194800</i>	<i>97</i>
<i>Magnesium</i>	<i>500000</i>	<i>503100</i>	<i>101</i>
<i>Manganese</i>		<i>0.963</i>	
<i>Molybdenum</i>		<i>0.155</i>	
<i>Nickel</i>		<i>-4.17</i>	
<i>Potassium</i>		<i>-114</i>	
<i>Selenium</i>		<i>-5.82</i>	
<i>Silicon</i>		<i>-64.1</i>	
<i>Silver</i>		<i>-8.48</i>	
<i>Sodium</i>		<i>-102</i>	
<i>Strontium</i>		<i>-1.83</i>	
<i>Sulfur</i>		<i>29.7</i>	
<i>Thallium</i>		<i>-1.33</i>	
<i>Tin</i>		<i>1.89</i>	
<i>Titanium</i>		<i>1.91</i>	
<i>Vanadium</i>		<i>-2.23</i>	
<i>Zinc</i>		<i>0.230</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-231372-1

SDG No.: _____

Lab Sample ID: ICSAB 460-770236/11

Instrument ID: ICP5

Lab File ID: 770110D1.asc

ICS Source: ME_ICSAB_D_00015

Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Lead	100	91.1	91
<i>Aluminum</i>	<i>500000</i>	<i>531800</i>	<i>106</i>
<i>Antimony</i>	<i>100</i>	<i>108</i>	<i>108</i>
<i>Arsenic</i>	<i>100</i>	<i>95.7</i>	<i>96</i>
<i>Barium</i>	<i>100</i>	<i>113</i>	<i>113</i>
<i>Beryllium</i>	<i>50.0</i>	<i>51.1</i>	<i>102</i>
<i>Boron</i>	<i>1000</i>	<i>989</i>	<i>99</i>
<i>Cadmium</i>	<i>100</i>	<i>99.0</i>	<i>99</i>
<i>Calcium</i>	<i>500000</i>	<i>513300</i>	<i>103</i>
<i>Chromium</i>	<i>100</i>	<i>101</i>	<i>101</i>
<i>Cobalt</i>	<i>100</i>	<i>99.2</i>	<i>99</i>
<i>Copper</i>	<i>100</i>	<i>99.8</i>	<i>100</i>
<i>Iron</i>	<i>200000</i>	<i>199300</i>	<i>100</i>
<i>Magnesium</i>	<i>500000</i>	<i>515700</i>	<i>103</i>
<i>Manganese</i>	<i>100</i>	<i>100</i>	<i>100</i>
<i>Molybdenum</i>	<i>100</i>	<i>98.9</i>	<i>99</i>
<i>Nickel</i>	<i>100</i>	<i>93.1</i>	<i>93</i>
<i>Potassium</i>	<i>10000</i>	<i>10800</i>	<i>108</i>
<i>Selenium</i>	<i>100</i>	<i>97.3</i>	<i>97</i>
<i>Silicon</i>	<i>1000</i>	<i>1030</i>	<i>103</i>
<i>Silver</i>	<i>100</i>	<i>101</i>	<i>101</i>
<i>Sodium</i>	<i>10000</i>	<i>11060</i>	<i>111</i>
<i>Strontium</i>	<i>100</i>	<i>106</i>	<i>106</i>
<i>Sulfur</i>		<i>15.2</i>	
<i>Thallium</i>	<i>100</i>	<i>89.9</i>	<i>90</i>
<i>Tin</i>	<i>100</i>	<i>99.1</i>	<i>99</i>
<i>Titanium</i>	<i>100</i>	<i>104</i>	<i>104</i>
<i>Vanadium</i>	<i>100</i>	<i>98.2</i>	<i>98</i>
<i>Zinc</i>	<i>100</i>	<i>96.7</i>	<i>97</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-230997-E-2-C MS
 Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
 SDG No.: _____
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Lead	504.0	6.4 J	500	100	75-125		6010D

SSR = Spiked Sample Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-230997-E-2-A PDS
Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
Matrix: Water Concentration Units: ug/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Lead	493.9	6.4 J	500	97	75-125		6010D

SSR = Spiked Sample Result

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

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-230997-E-2-B DU
Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1
SDG No.: _____
% Solids for Sample: _____ % Solids for Duplicate: _____
Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Lead	10.0	6.4 J	5.54 J	15		6010D

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

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-770236/14

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-231372-1

Sample Matrix: _____

LCS Source: me_LRC_00053

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Lead	50000	45110		90	90	110		6010D

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

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-770236/15

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-231372-1

Sample Matrix:

LCS Source:

Analyte	(ug/L)						
	True	Found	C	%R	Limits	Q	Method
Lead		2.4	U				6010D

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-770101/2-A

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-231372-1

Sample Matrix: Water

LCS Source: ME_LCS-int_00083

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Lead	500	520.0		104	80	120		6010D

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-230997-E-2-A SD

SDG No:

Lab Name: Eurofins TestAmerica, Edison

Job No: 460-231372-1

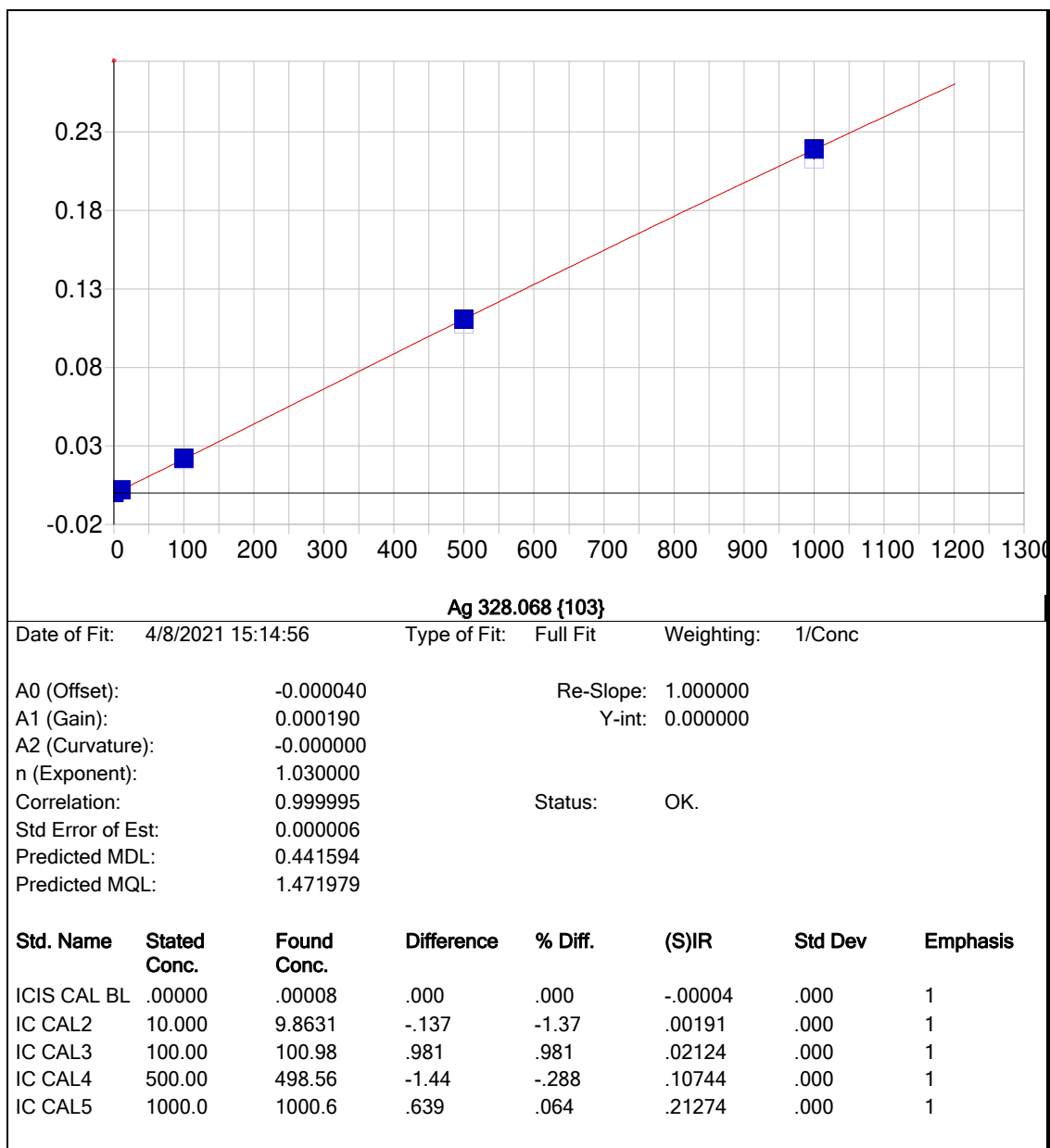
Matrix: Water

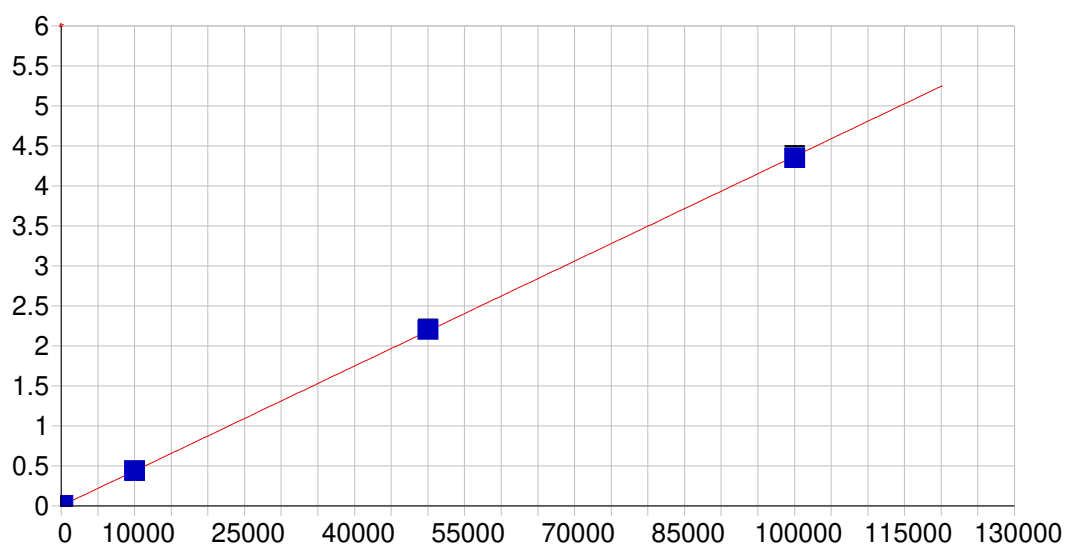
Concentration Units: ug/L

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Lead	6.4	J	11.8	U	NC		6010D

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

FORM VIII-IN



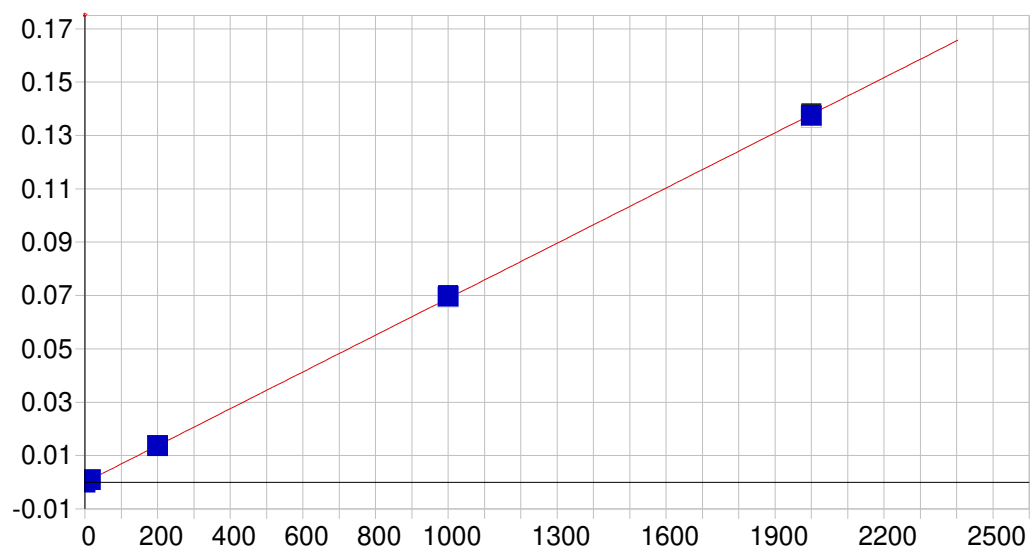


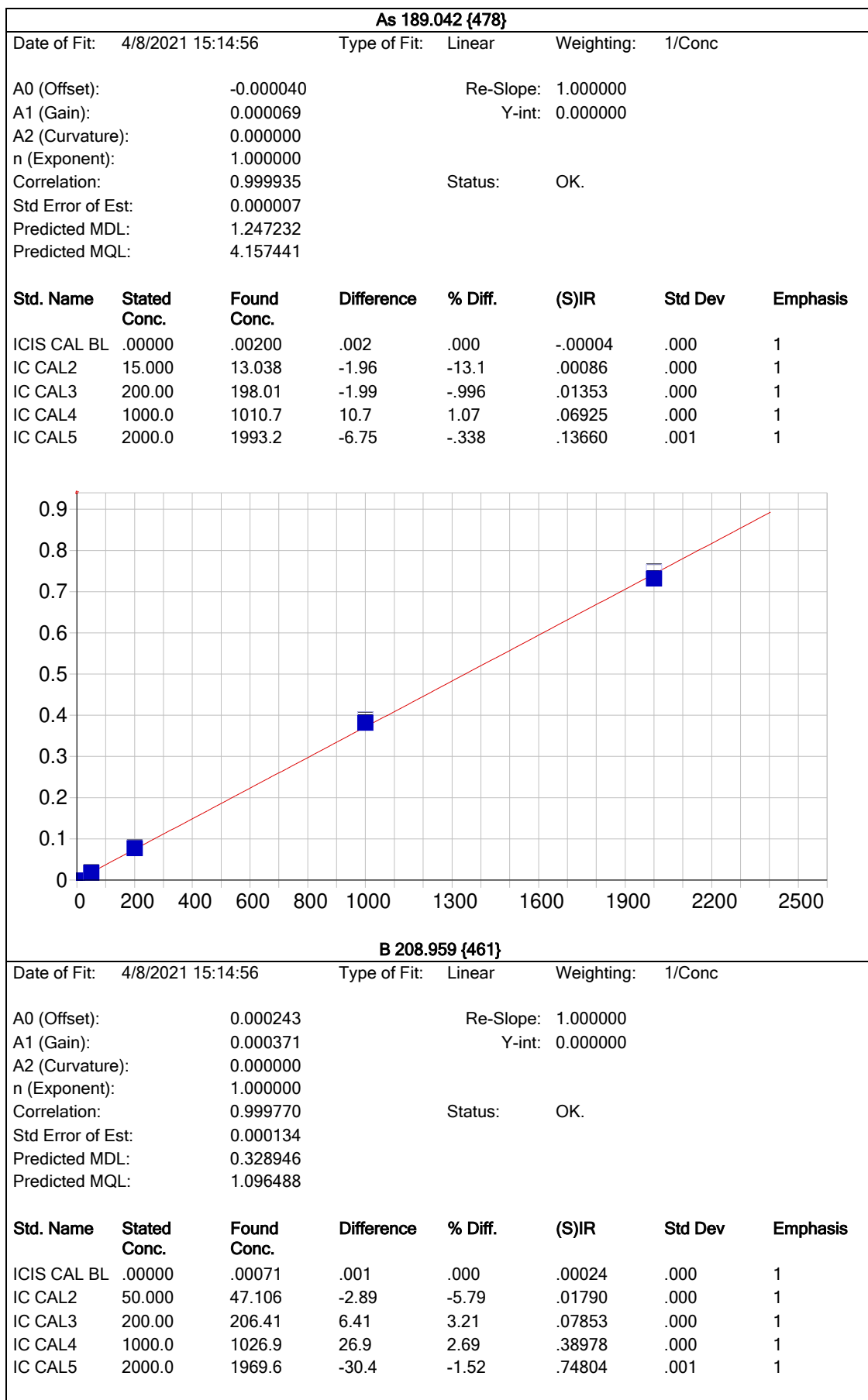
AI 396.152 { 85}

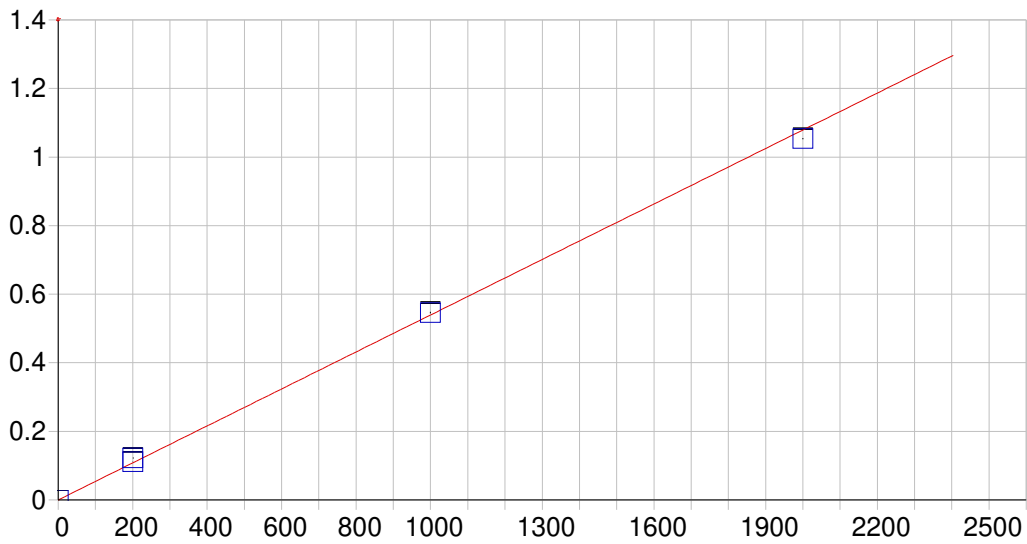
Date of Fit: 4/8/2021 15:14:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000496 Re-Slope: 1.000000
 A1 (Gain): 0.000044 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999983 Status: OK.
 Std Error of Est: 0.000058
 Predicted MDL: 8.742630
 Predicted MQL: 29.142101

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS CAL BL	.00000	.00444	.004	.000	.00050	.000	1
IC CAL2	200.00	194.21	-5.79	-2.90	.00900	.000	1
IC CAL3	10000.	10030.	29.6	.296	.43900	.001	1
IC CAL4	50000.	50405.	405.	.809	2.2042	.003	1
IC CAL5	100000.	99571.	-429.	-.429	4.3538	.021	1





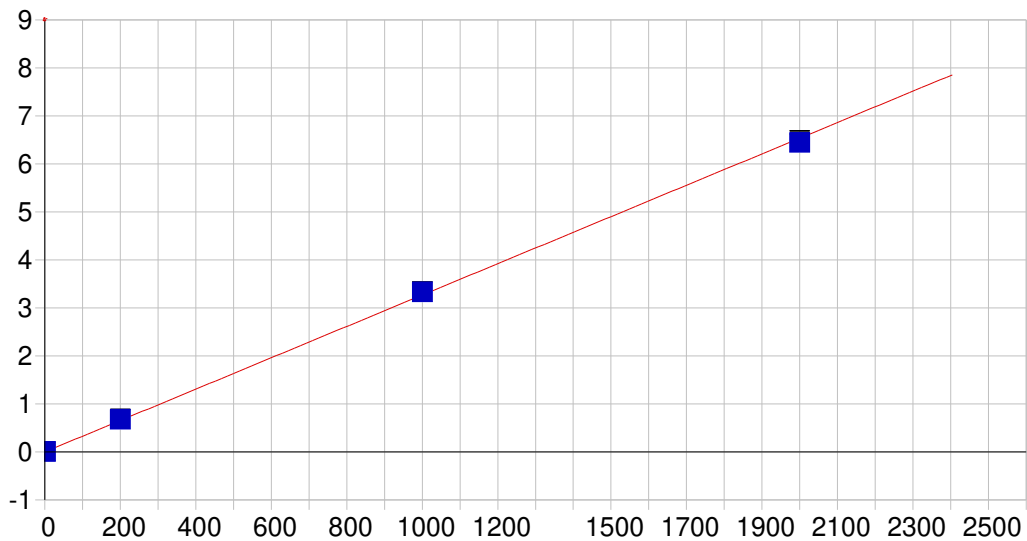


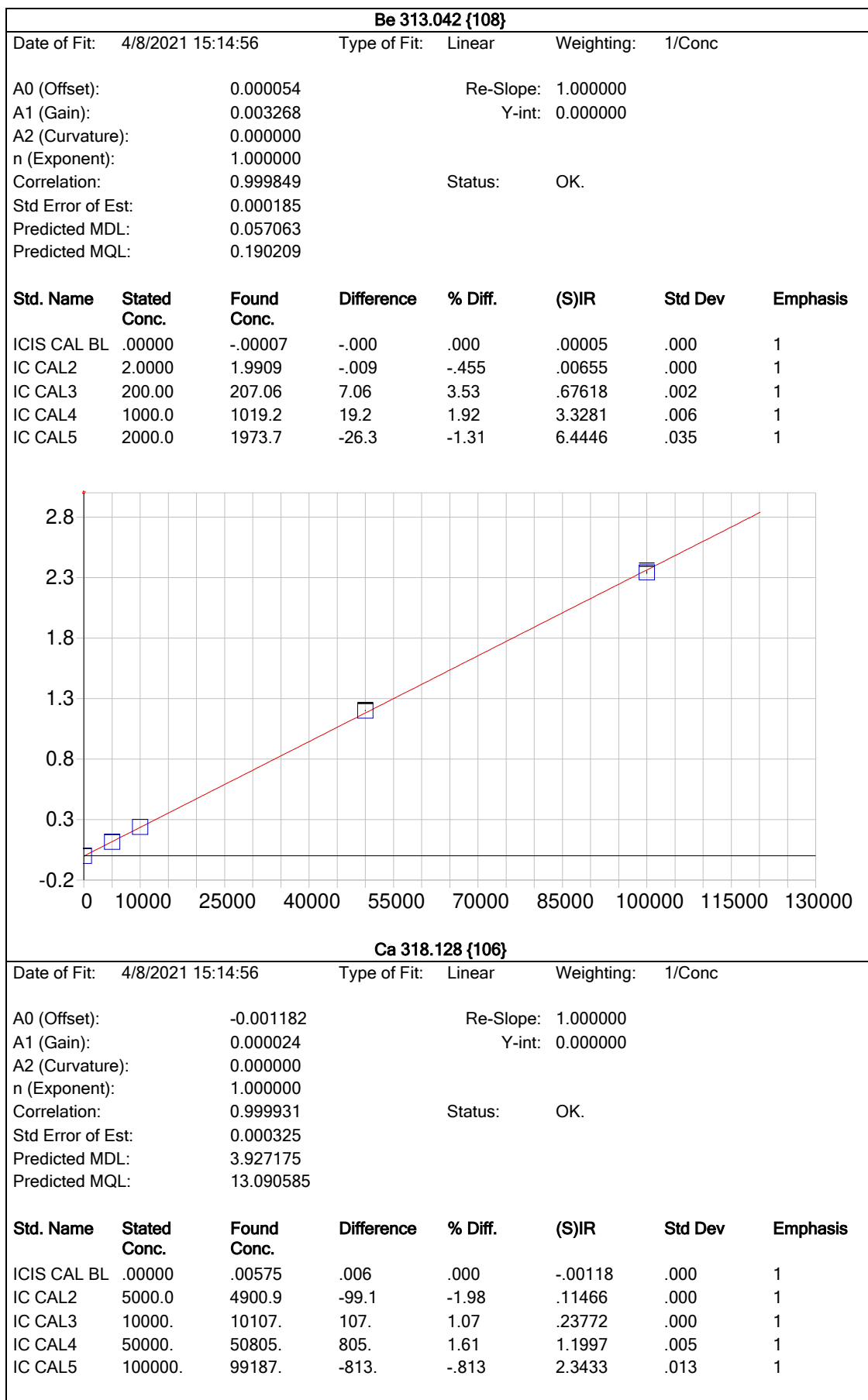
Ba 233.527 {445}

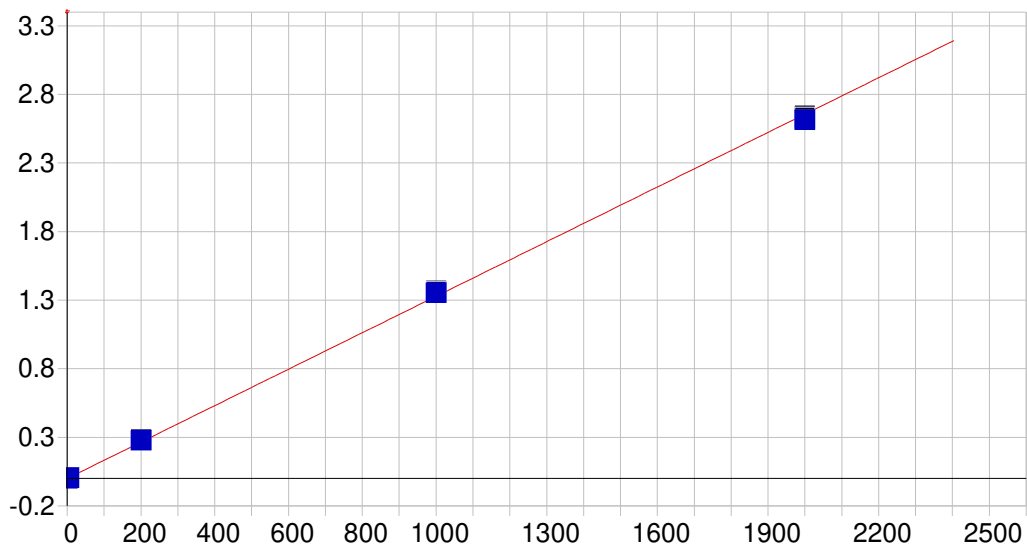
Date of Fit: 4/8/2021 15:14:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000073 Re-Slope: 1.000000
 A1 (Gain): 0.000539 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999285 Status: OK.
 Std Error of Est: 0.000686
 Predicted MDL: 0.165966
 Predicted MQL: 0.553221

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS CAL BL	.00000	-.03070	-.031	.000	.00006	.000	1
IC CAL2	200.00	226.24	26.2	13.1	.12210	.000	1
IC CAL3	200.00	206.43	6.43	3.21	.11142	.000	1
IC CAL4	1000.0	1013.0	13.0	1.30	.54647	.002	1
IC CAL5	2000.0	1954.3	-45.7	-2.28	1.0542	.002	1





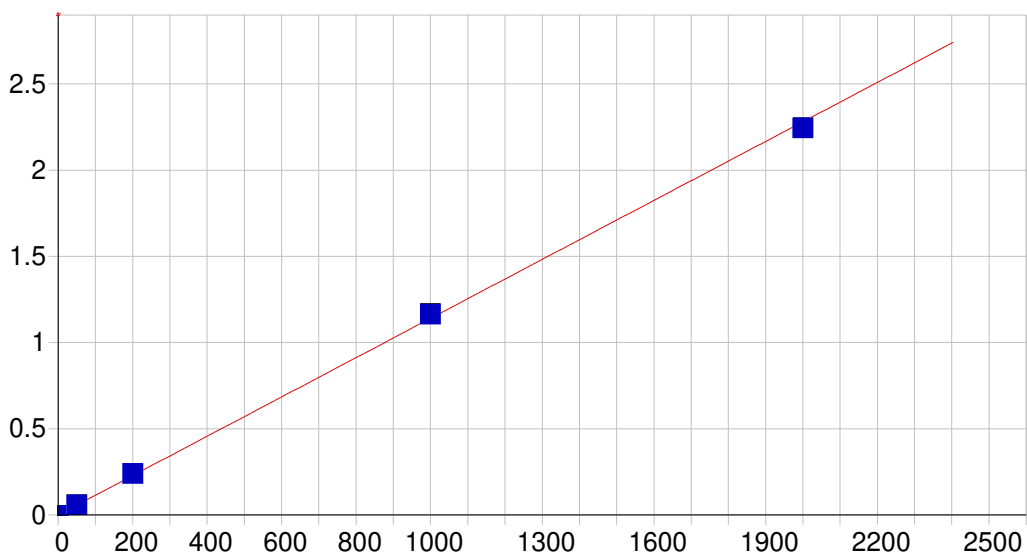


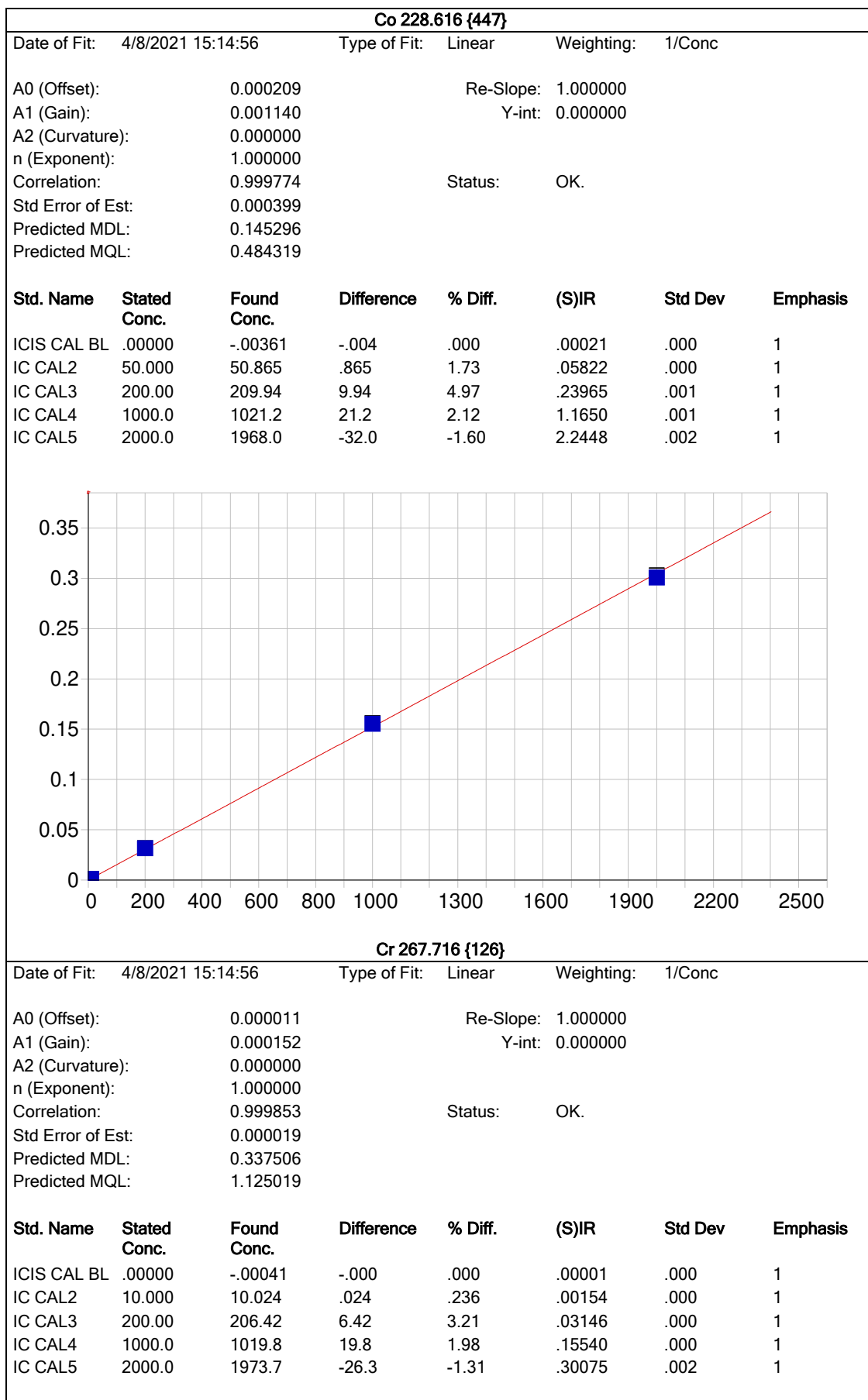
Cd 226.502 {449}

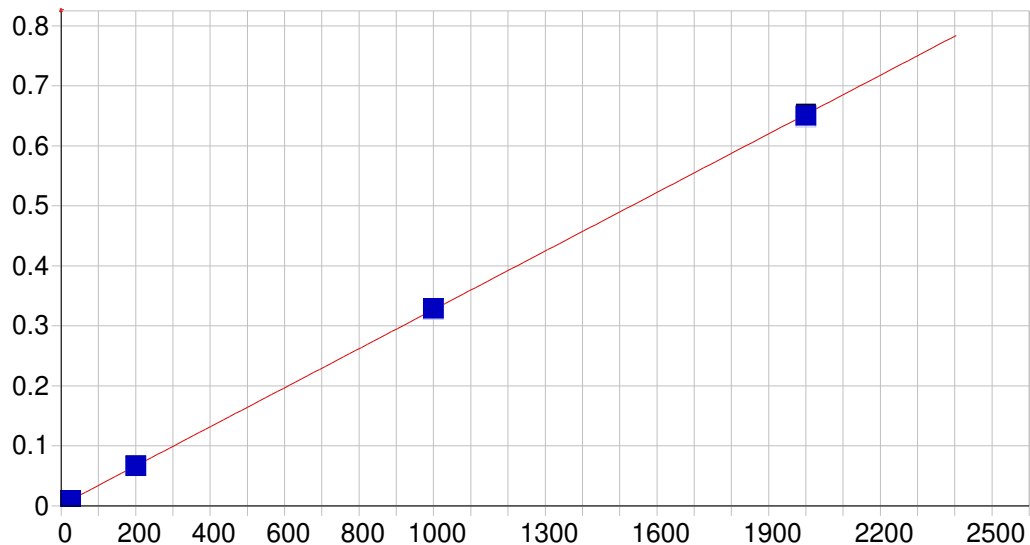
Date of Fit: 4/8/2021 15:14:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000176 Re-Slope: 1.000000
 A1 (Gain): 0.001328 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999800 Status: OK.
 Std Error of Est: 0.000123
 Predicted MDL: 0.097720
 Predicted MQL: 0.325733

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS CAL BL	.00000	-.00038	-.000	.000	-.00018	.000	1
IC CAL2	4.0000	4.1629	.163	4.07	.00538	.000	1
IC CAL3	200.00	209.74	9.74	4.87	.28013	.000	1
IC CAL4	1000.0	1019.6	19.6	1.96	1.3626	.002	1
IC CAL5	2000.0	1970.5	-29.5	-1.47	2.6344	.006	1





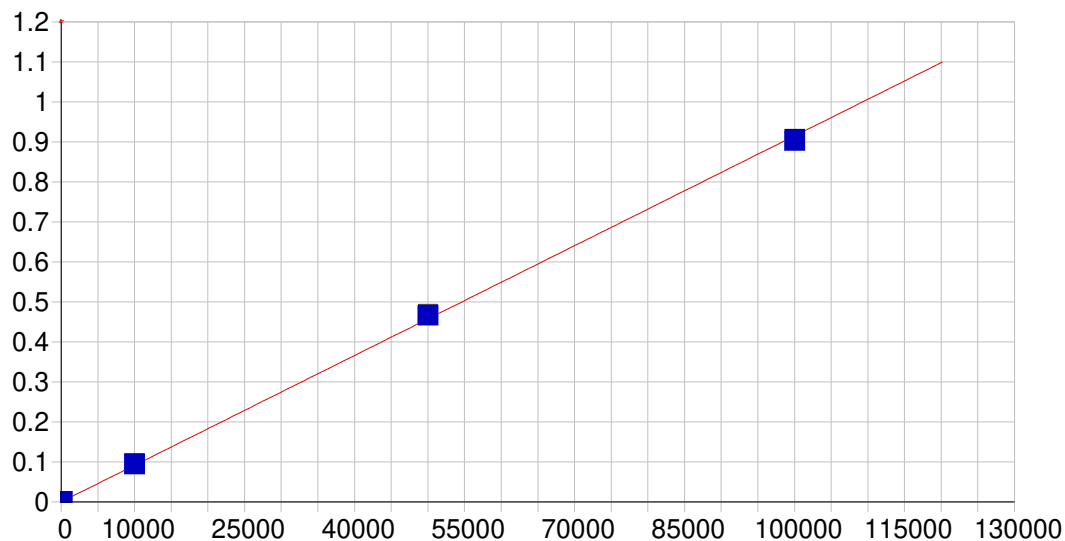


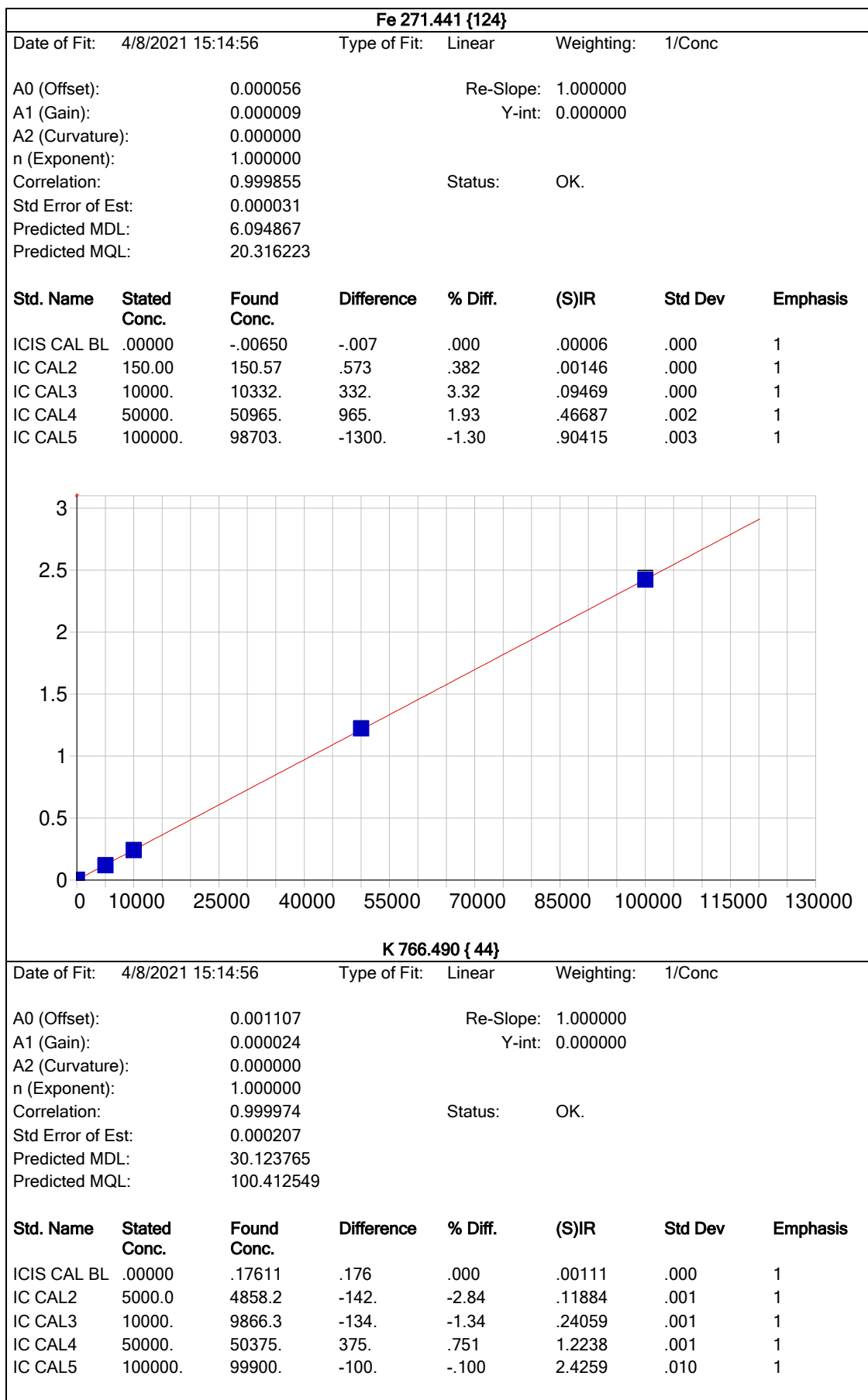
Cu 324.754 {104}

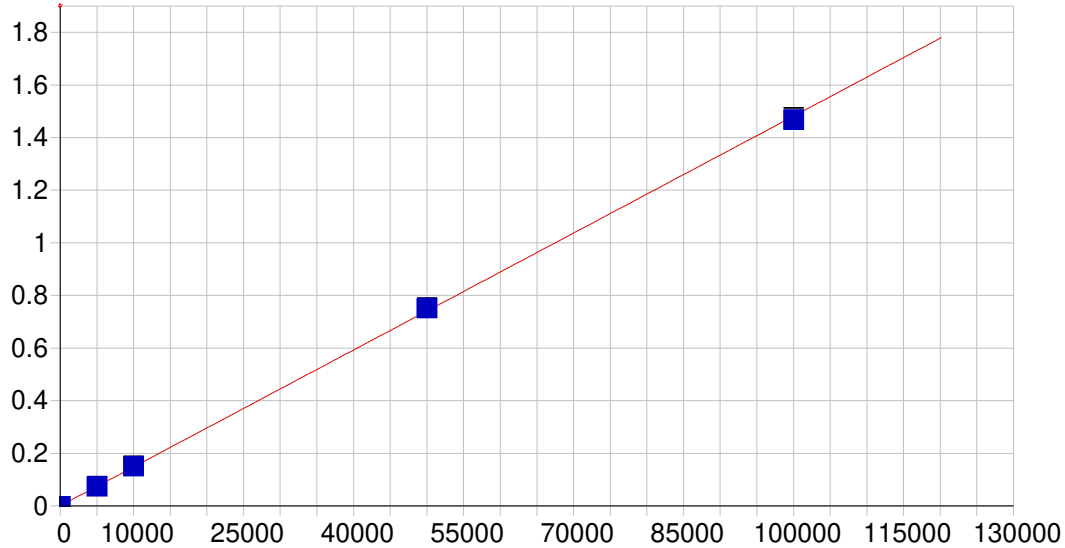
Date of Fit: 4/8/2021 15:14:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001635 Re-Slope: 1.000000
 A1 (Gain): 0.000325 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999993 Status: OK.
 Std Error of Est: 0.000014
 Predicted MDL: 0.253544
 Predicted MQL: 0.845147

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS CAL BL	.00000	-.00002	-.000	.000	.00163	.000	1
IC CAL2	25.000	24.911	-.089	-.357	.00973	.000	1
IC CAL3	200.00	200.42	.419	.209	.06653	.000	1
IC CAL4	1000.0	1005.3	5.26	.526	.32716	.000	1
IC CAL5	2000.0	1994.4	-5.59	-.279	.64745	.002	1





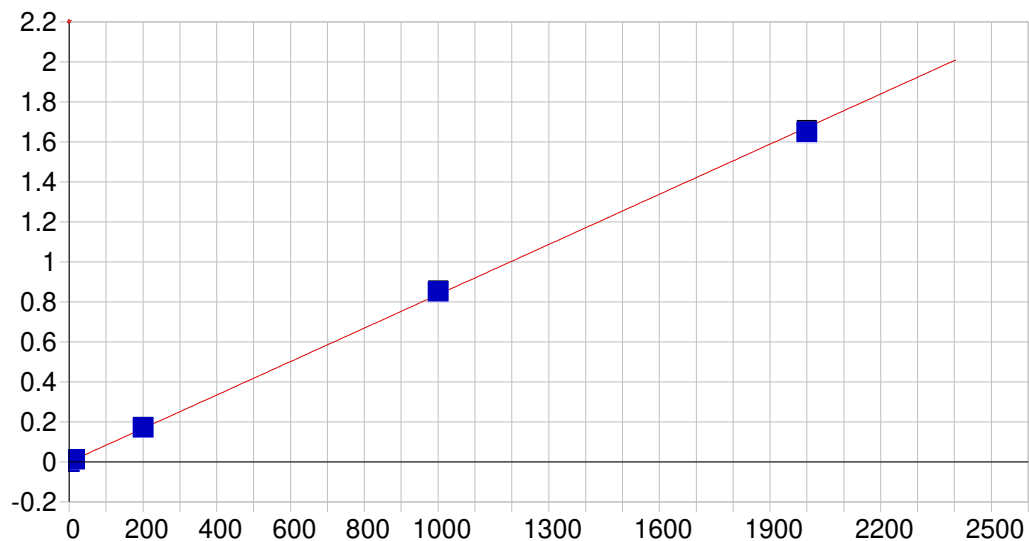


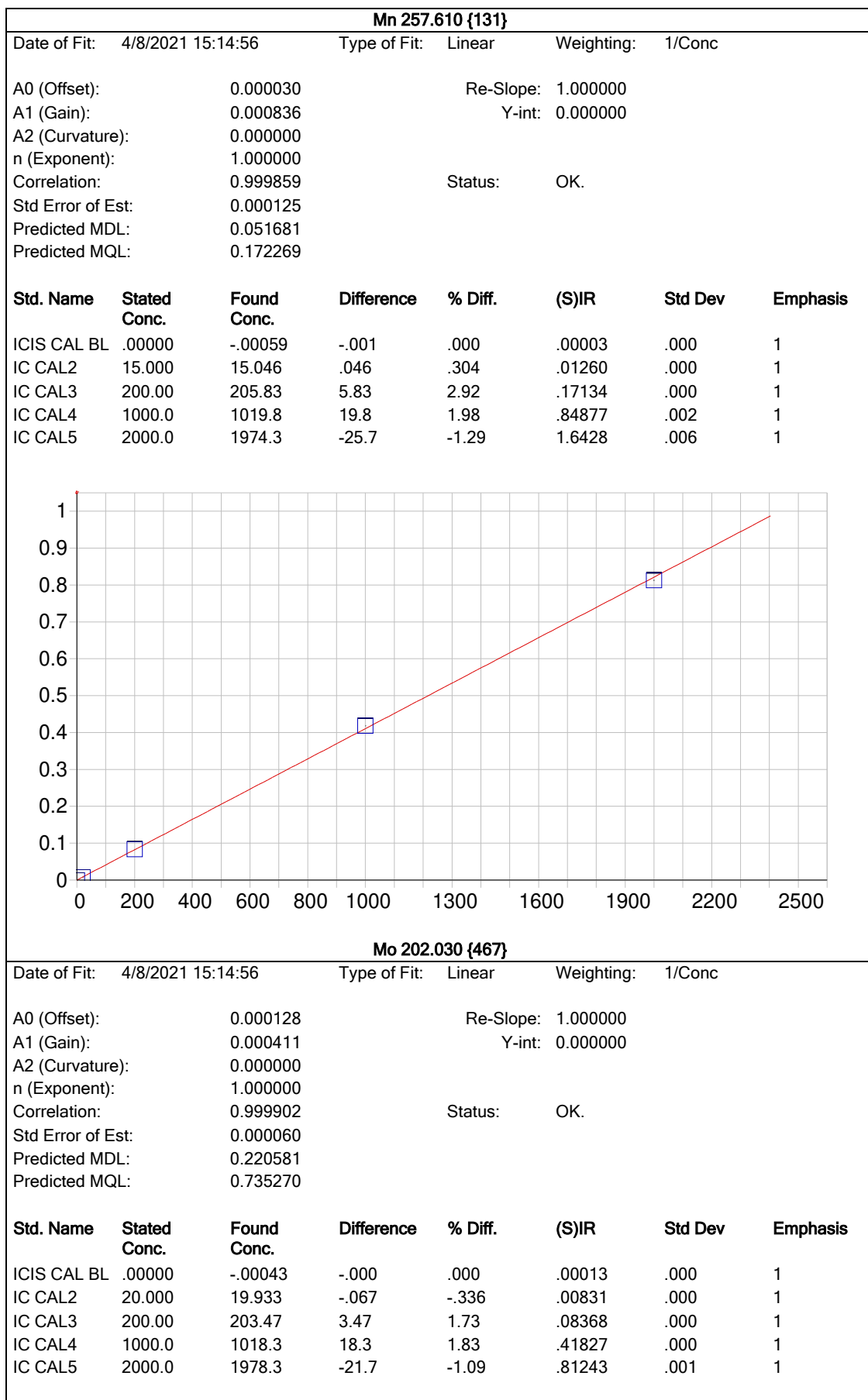
Mg 279.079 {121}

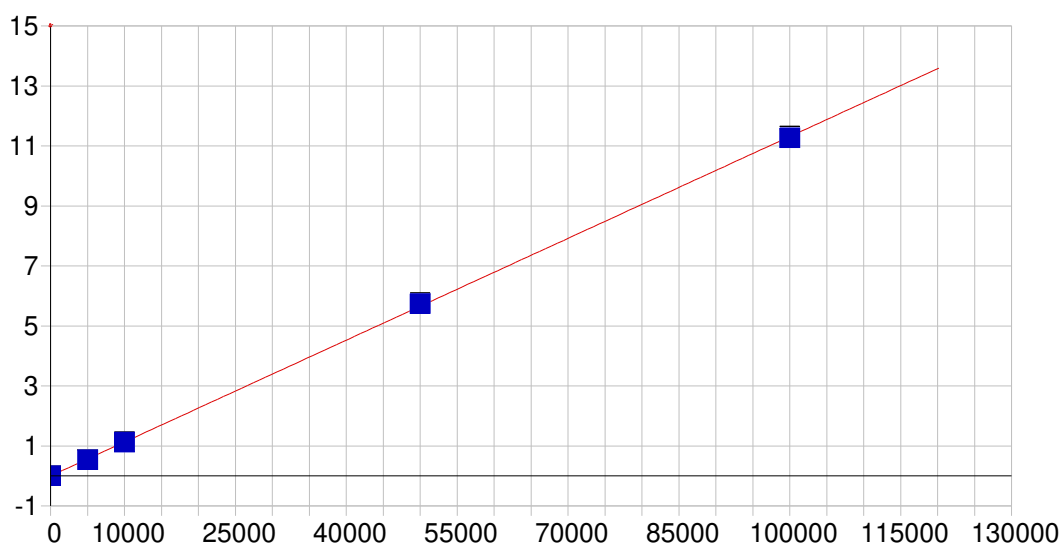
Date of Fit: 4/8/2021 15:14:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000032	Re-Slope:	1.000000
A1 (Gain):	0.000015	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999937	Status:	OK.
Std Error of Est:	0.000195		
Predicted MDL:	3.532067		
Predicted MQL:	11.773555		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS CAL BL	.00000	-.13372	-.134	.000	.00003	.000	1
IC CAL2	5000.0	5031.2	31.2	.624	.07457	.000	1
IC CAL3	10000.	10152.	152.	1.52	.15041	.000	1
IC CAL4	50000.	50718.	718.	1.44	.75136	.003	1
IC CAL5	100000.	99099.	-901.	-.901	1.4681	.007	1





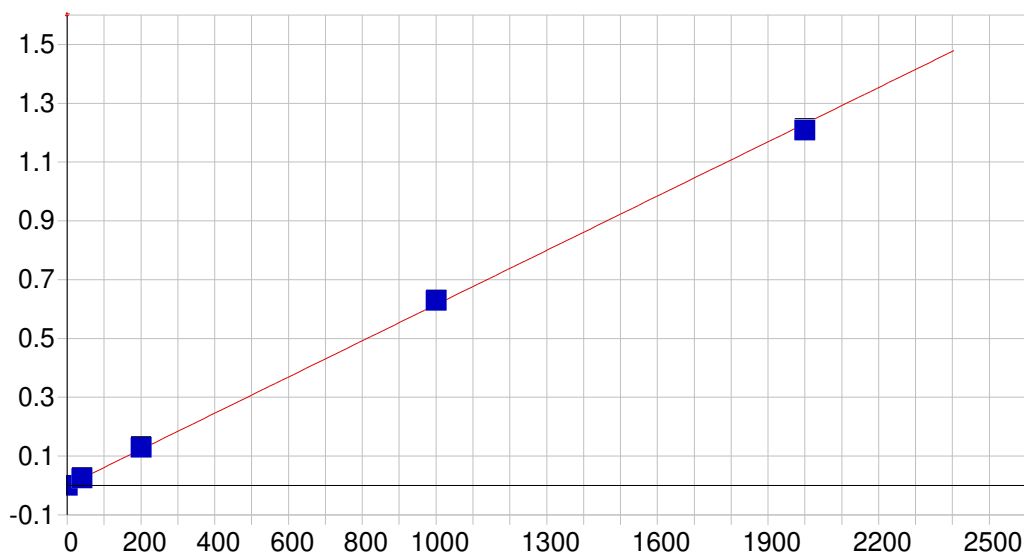


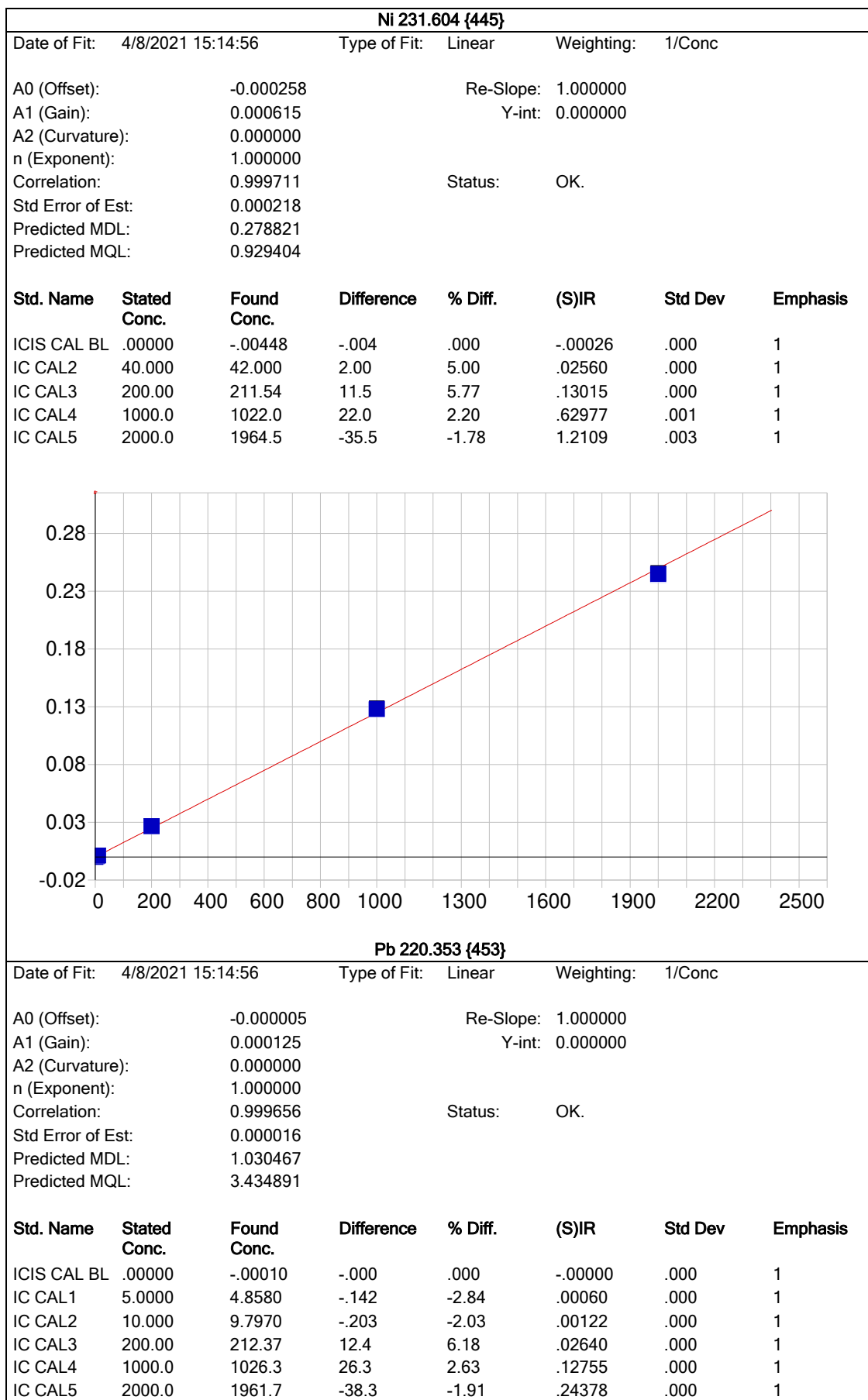
Na 589.592 { 57}

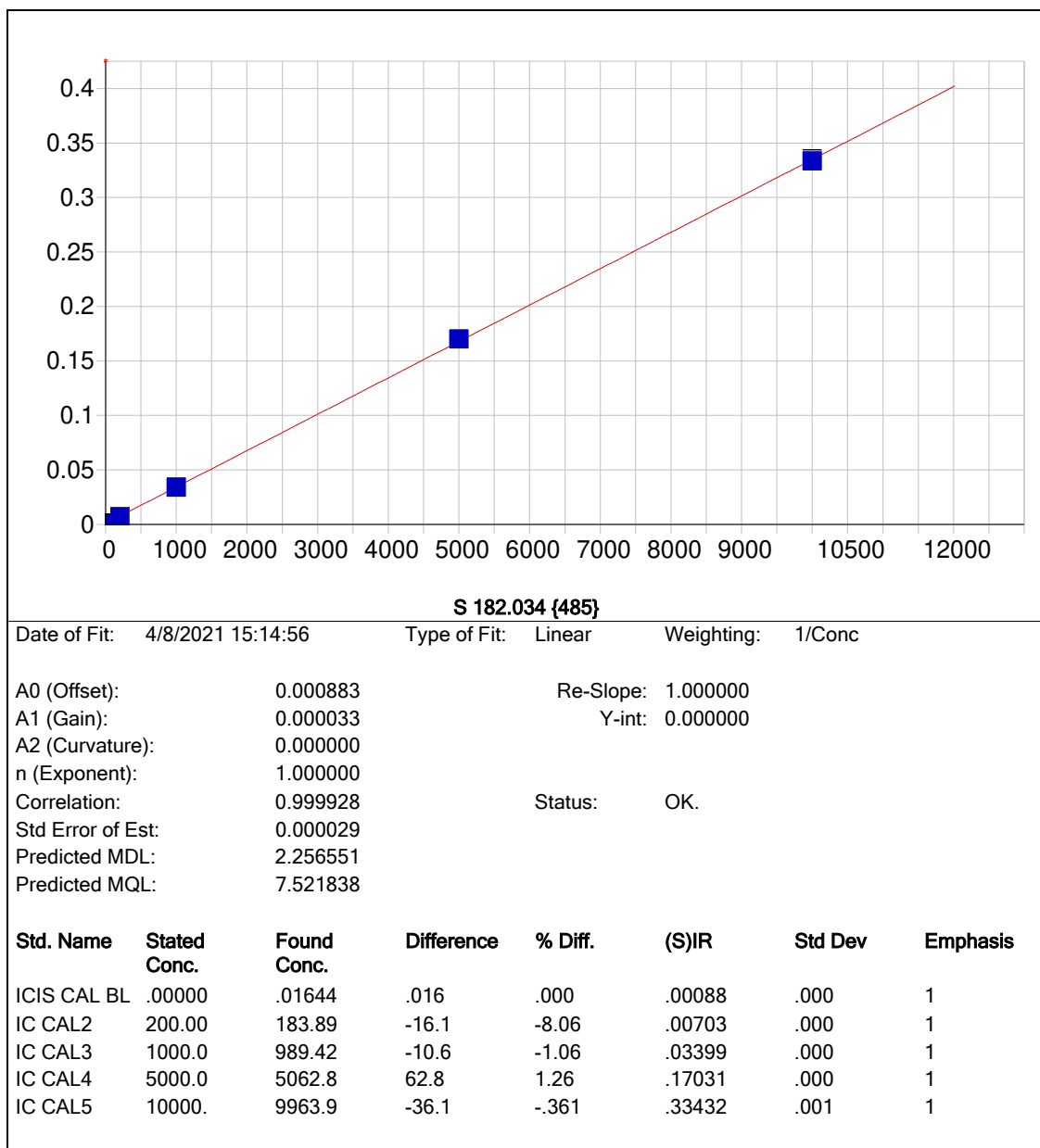
Date of Fit: 4/8/2021 15:14:56 Type of Fit: Linear Weighting: 1/Conc

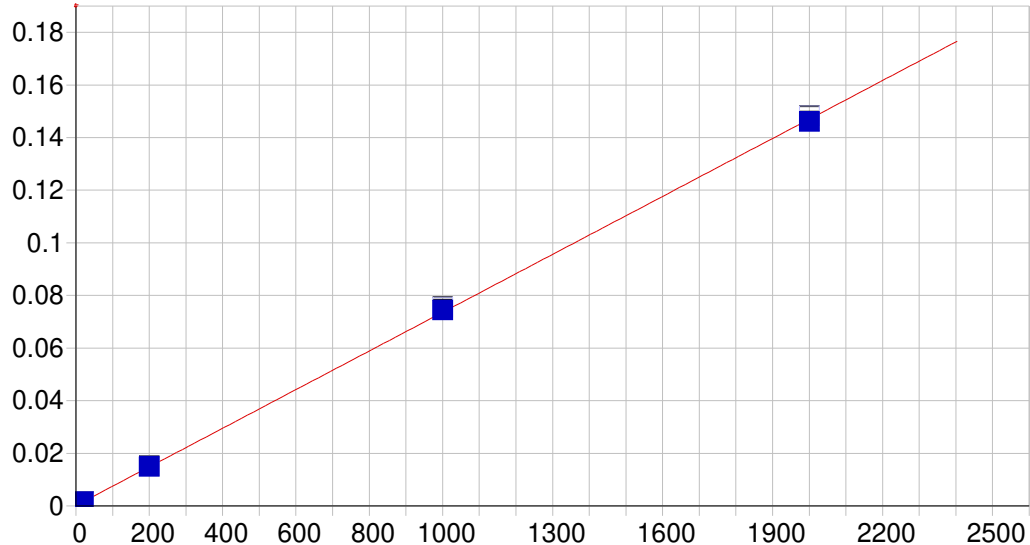
A0 (Offset): -0.001325 Re-Slope: 1.000000
 A1 (Gain): 0.000113 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999929 Status: OK.
 Std Error of Est: 0.001581
 Predicted MDL: 7.414986
 Predicted MQL: 24.716620

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS CAL BL	.00000	.20749	.207	.000	-.00130	.000	1
IC CAL2	5000.0	4772.4	-228.	-4.55	.53864	.003	1
IC CAL3	10000.	9938.0	-62.0	-.620	1.1240	.002	1
IC CAL4	50000.	50733.	733.	1.47	5.7431	.019	1
IC CAL5	100000.	99557.	-443.	-.443	11.272	.053	1







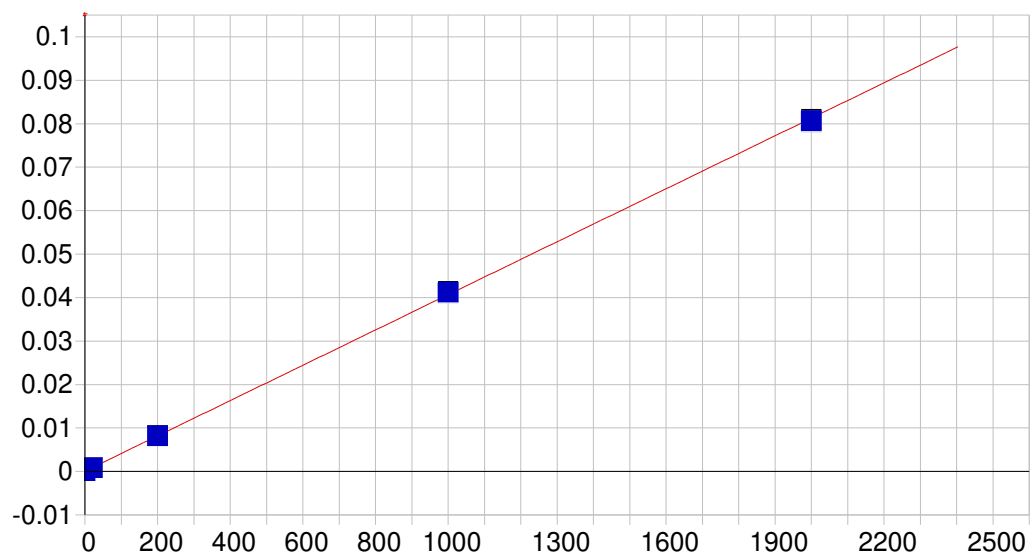


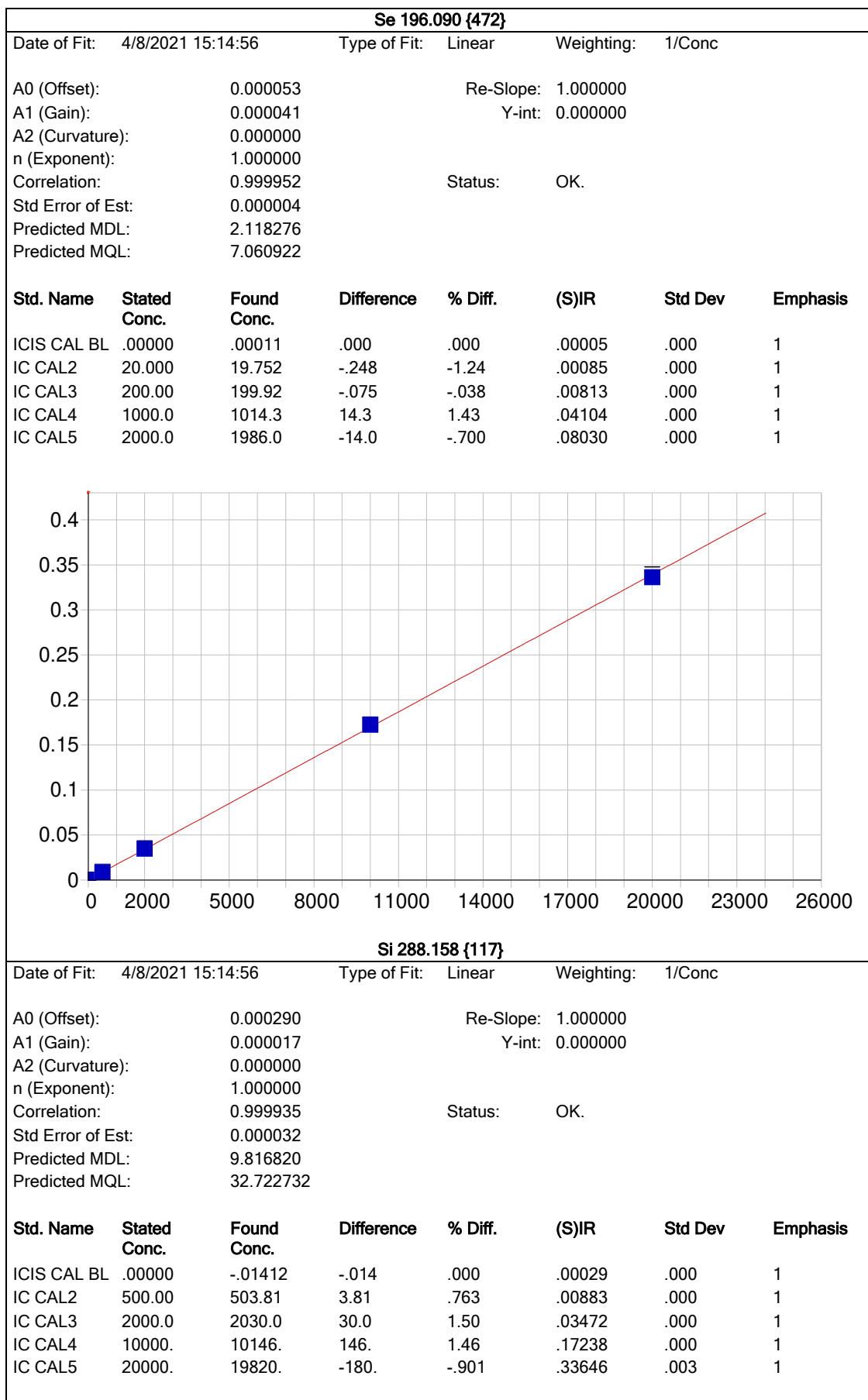
Sb 206.833 {463}

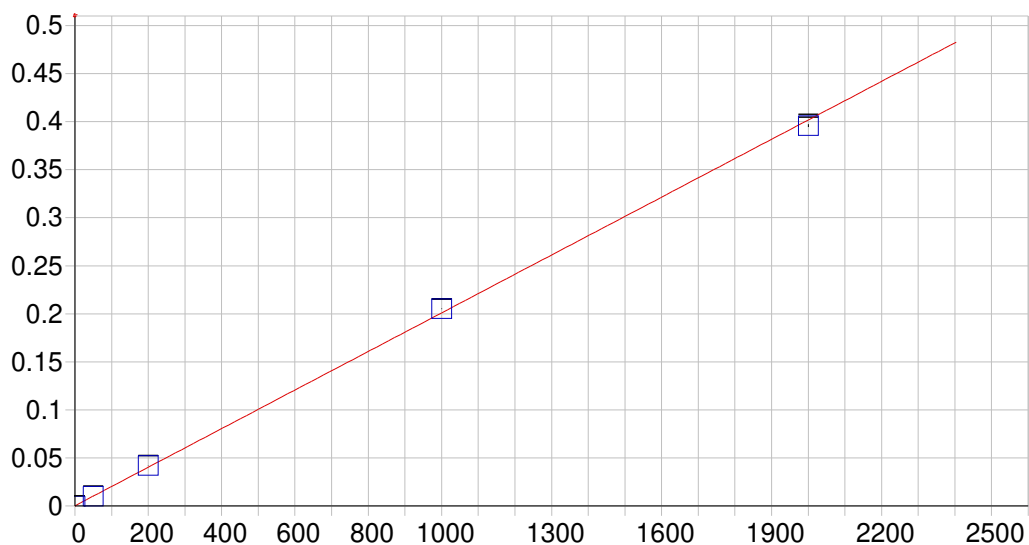
Date of Fit: 4/8/2021 15:14:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000140 Re-Slope: 1.000000
 A1 (Gain): 0.000073 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999960 Status: OK.
 Std Error of Est: 0.000007
 Predicted MDL: 1.436449
 Predicted MQL: 4.788162

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS CAL BL	.00000	.00023	.000	.000	.00014	.000	1
IC CAL2	20.000	19.467	-.533	-2.67	.00158	.000	1
IC CAL3	200.00	201.99	1.99	.995	.01519	.000	1
IC CAL4	1000.0	1011.9	11.9	1.19	.07555	.000	1
IC CAL5	2000.0	1986.6	-13.4	-.669	.14823	.000	1





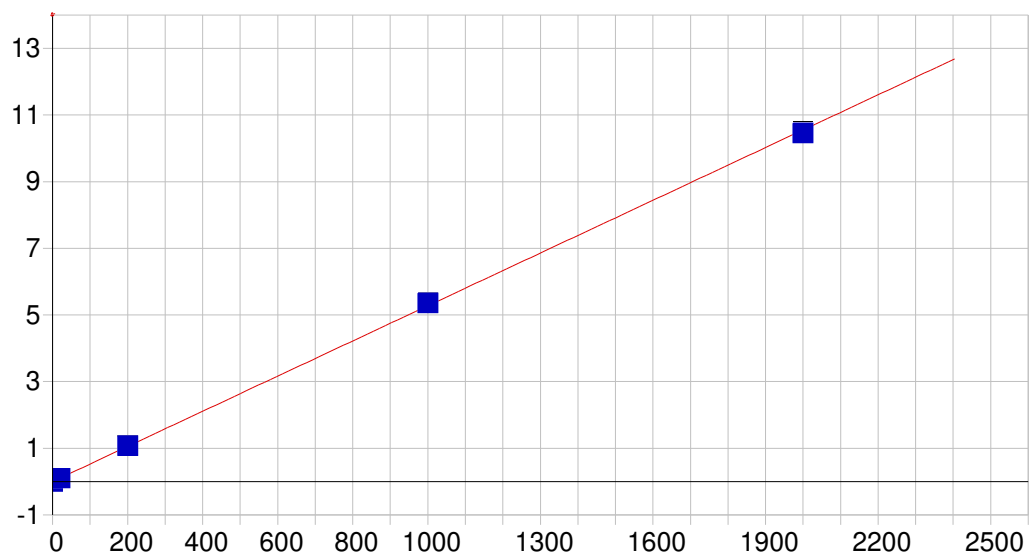


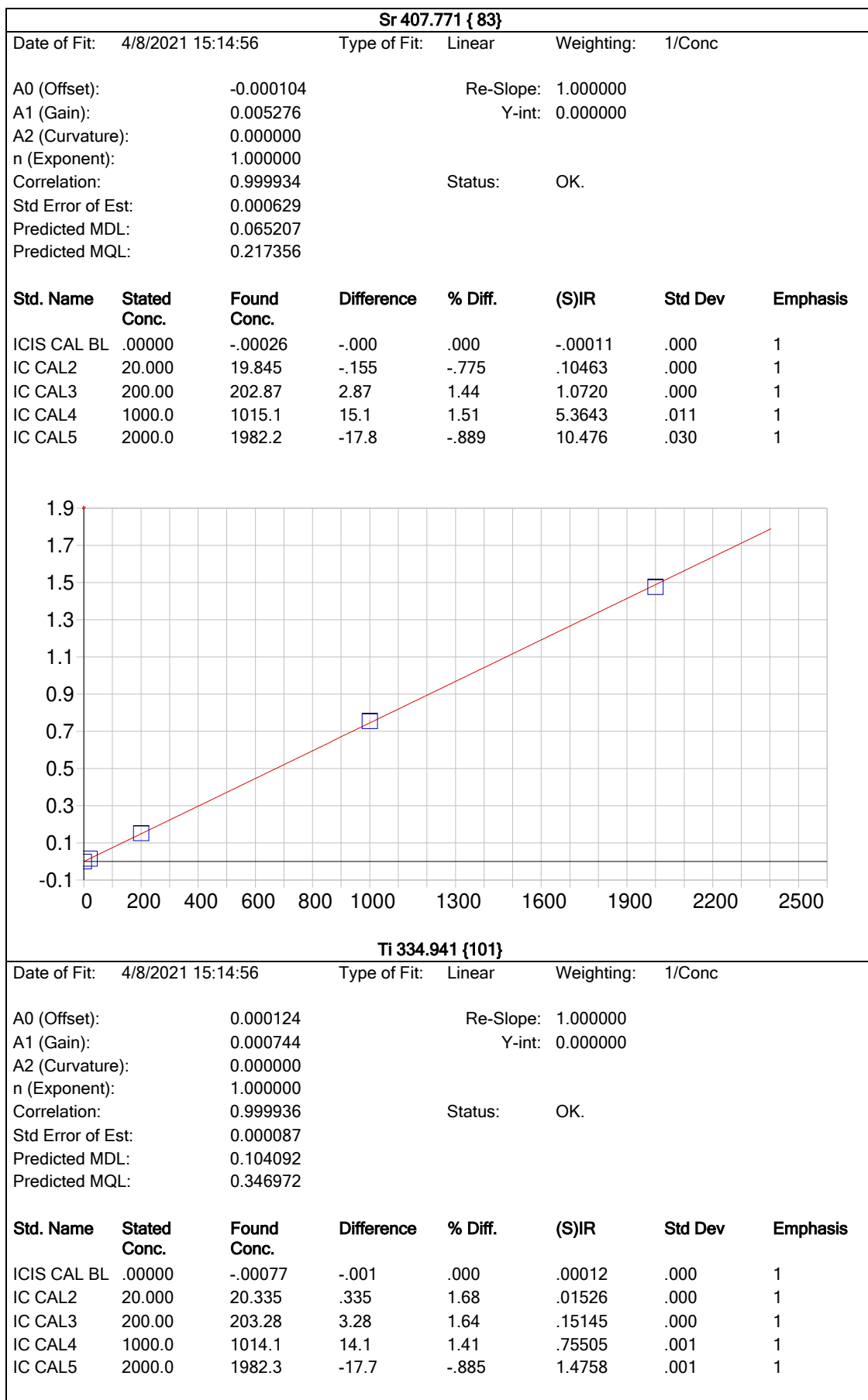
Sn 189.989 {477}

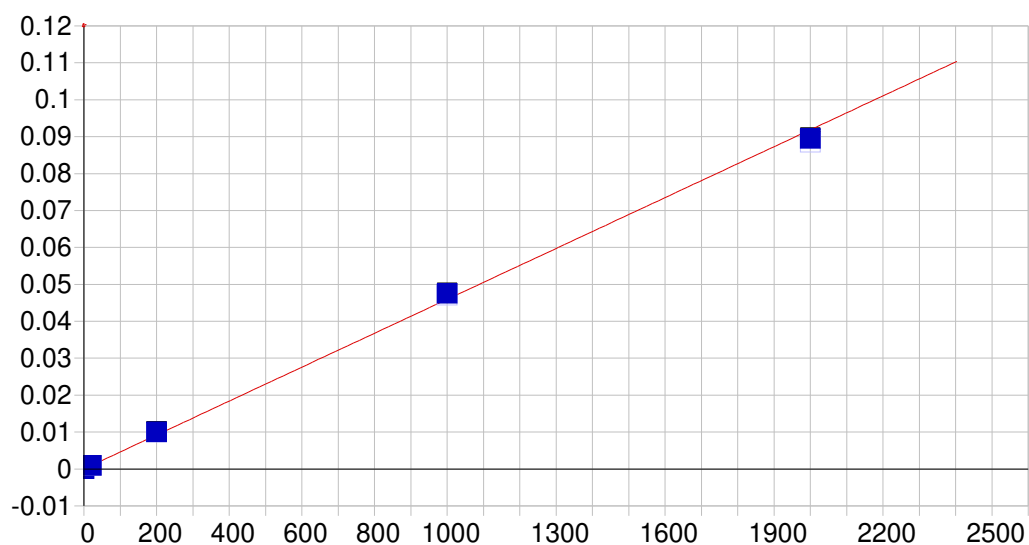
Date of Fit: 4/8/2021 15:14:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000127 Re-Slope: 1.000000
 A1 (Gain): 0.000201 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999812 Status: OK.
 Std Error of Est: 0.000064
 Predicted MDL: 0.430900
 Predicted MQL: 1.436334

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS CAL BL	.00000	-.00231	-.002	.000	.00013	.000	1
IC CAL2	50.000	49.857	-.143	-.285	.01014	.000	1
IC CAL3	200.00	208.60	8.60	4.30	.04202	.000	1
IC CAL4	1000.0	1020.7	20.7	2.07	.20510	.000	1
IC CAL5	2000.0	1970.8	-29.2	-1.46	.39589	.001	1





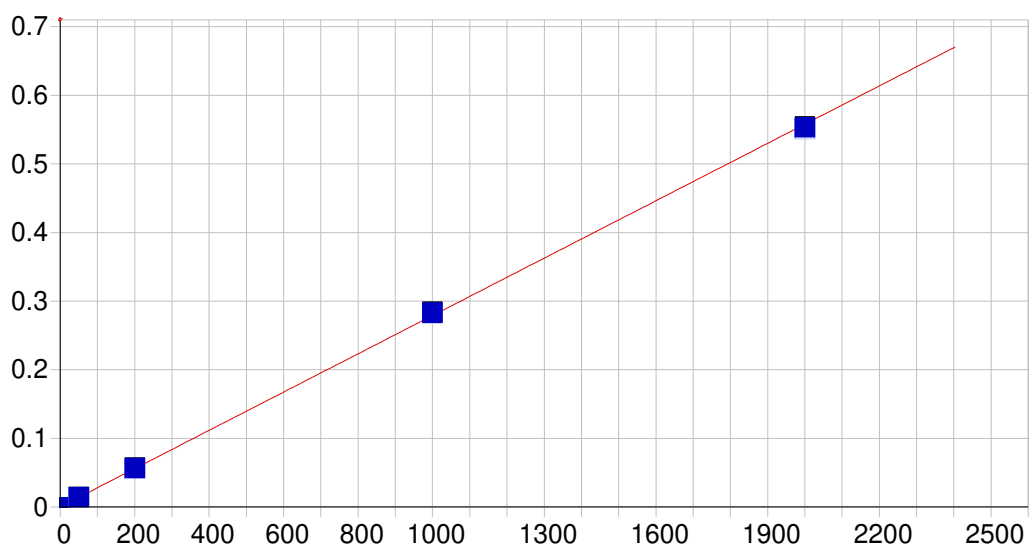


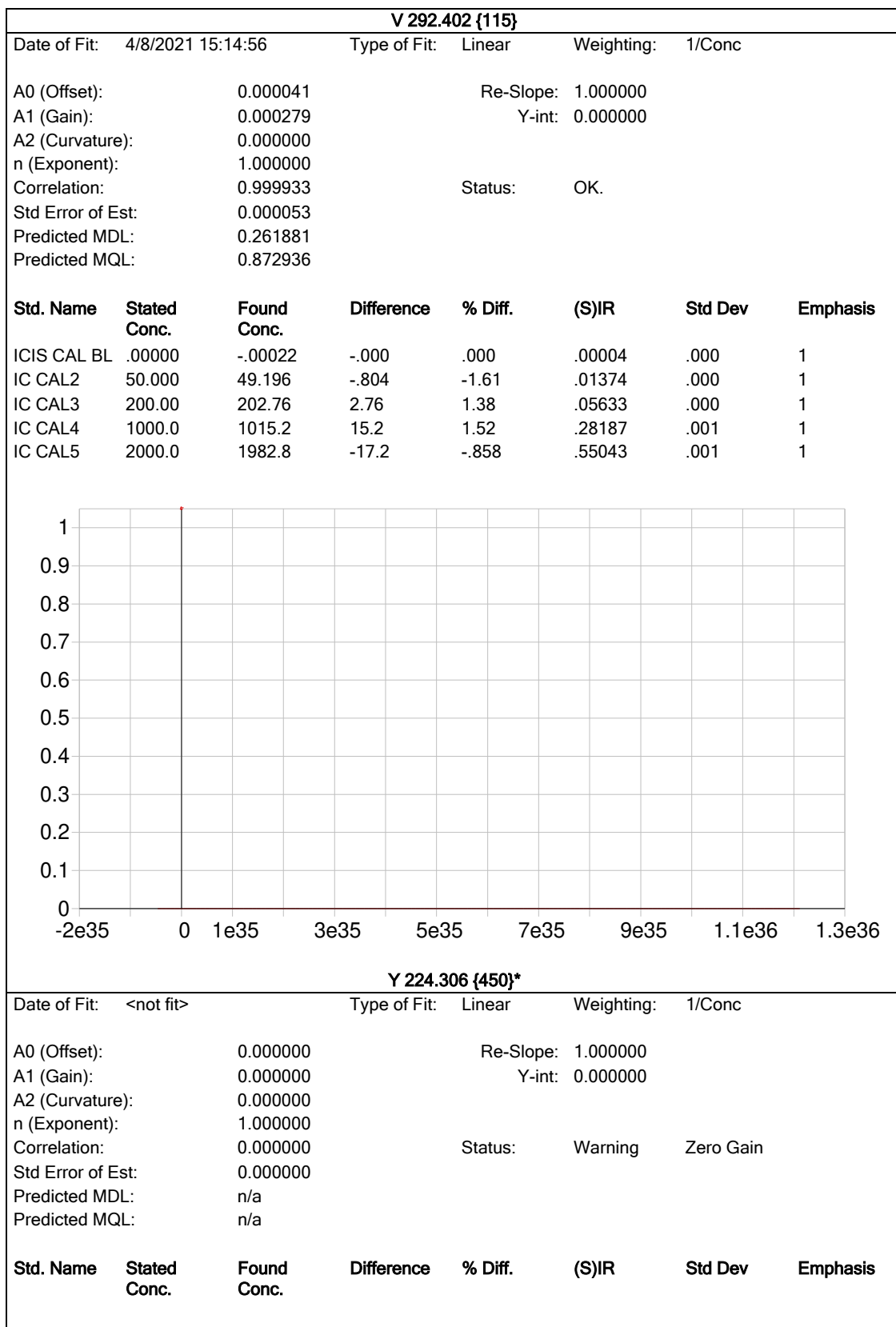
TI 190.856 {477}

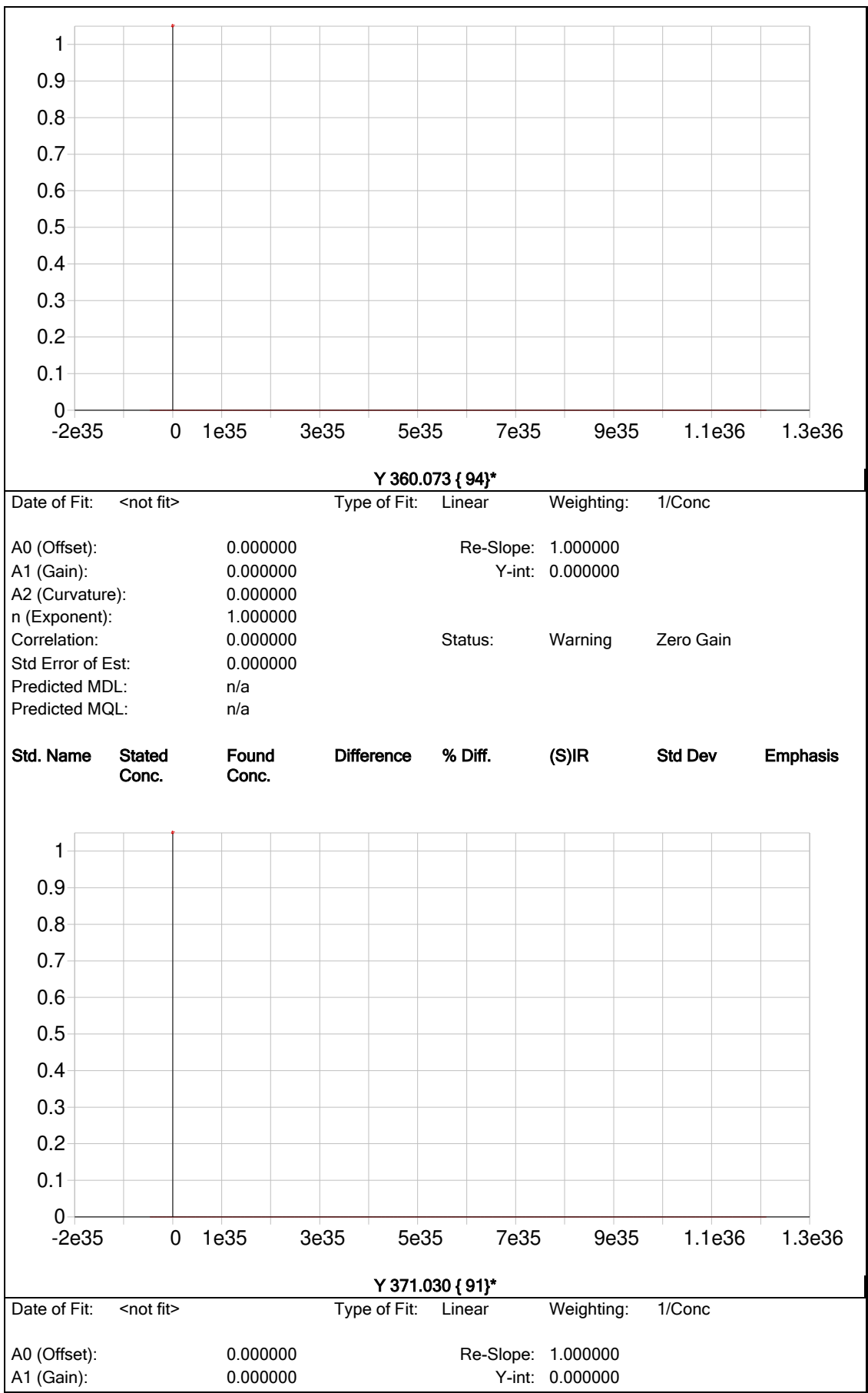
Date of Fit: 4/8/2021 15:14:56 Type of Fit: Linear Weighting: 1/Conc

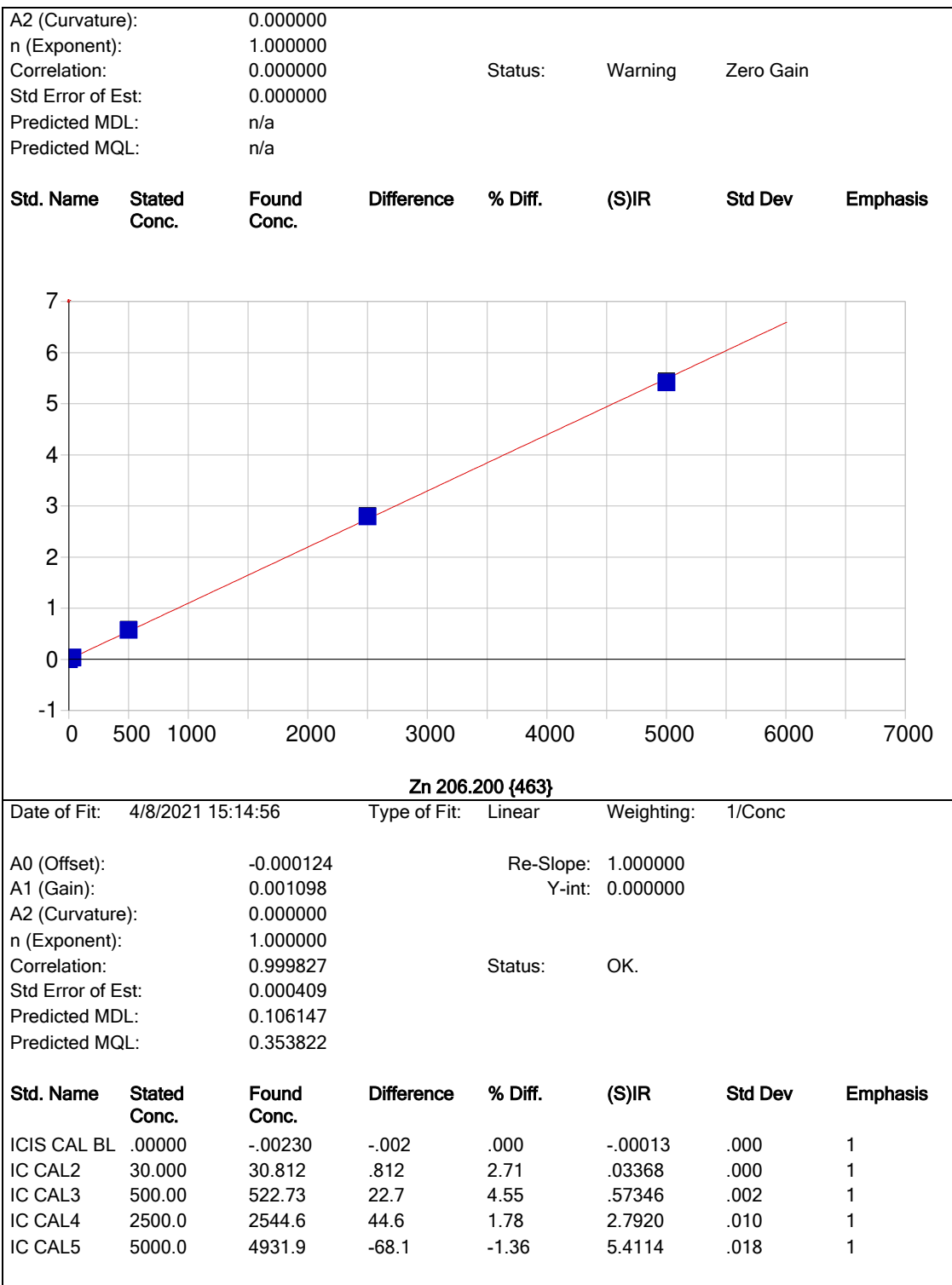
A0 (Offset): 0.000019 Re-Slope: 1.000000
 A1 (Gain): 0.000046 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999355 Status: OK.
 Std Error of Est: 0.000017
 Predicted MDL: 1.496302
 Predicted MQL: 4.987675

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS CAL BL	.00000	-.00150	-.002	.000	.00002	.000	1
IC CAL2	20.000	19.581	-.419	-2.09	.00091	.000	1
IC CAL3	200.00	217.43	17.4	8.71	.00990	.000	1
IC CAL4	1000.0	1034.7	34.7	3.47	.04703	.000	1
IC CAL5	2000.0	1948.3	-51.7	-2.58	.08849	.000	1









9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins TestAmerica, Edison

Job Number: 460-231372-1

SDG Number: _____

Matrix: Water

Instrument ID: ICP5

Method: 6010D

MDL Date: 12/07/2019 10:45

Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Lead		10	2.35

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins TestAmerica, Edison

Job Number: 460-231372-1

SDG Number: _____

Matrix: Water

Instrument ID: ICP5

Method: 6010D

XMDL Date: 12/07/2019 10:47

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Lead		10	2.35

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins TestAmerica, Edison

Job No: 460-231372-1

SDG No.: _____

Instrument ID: ICP5

Date: 04/22/2020 13:19

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Lead		50000	6010D

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-231372-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-770101/1-A	04/08/2021 03:39	770101		50	50
LCS 460-770101/2-A	04/08/2021 03:39	770101		50	50
460-230997-E-2-B DU	04/08/2021 03:39	770101		50	50
460-230997-E-2-C MS	04/08/2021 03:39	770101		50	50
460-231372-1	04/08/2021 03:39	770101		50	50
460-231372-2	04/08/2021 03:39	770101		50	50
460-231372-3	04/08/2021 03:39	770101		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010D

Start Date: 04/08/2021 14:02 End Date: 04/08/2021 23:08

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				P b																	
ICIS 460-770236/1	1		14:02	X																	
IC 460-770236/2			14:06	X																	
IC 460-770236/3			14:10	X																	
IC 460-770236/4			14:14	X																	
IC 460-770236/5			14:18	X																	
IC 460-770236/6			14:22	X																	
ICV 460-770236/7	1		14:25	X																	
ICB 460-770236/8	1		14:29	X																	
ZZZZZZ			14:33																		
ICSA 460-770236/10	1		14:37	X																	
ICSAB 460-770236/11	1		14:42	X																	
ZZZZZZ			14:46																		
ZZZZZZ			14:50																		
LRC 460-770236/14	1		14:54	X																	
LRC 460-770236/15	1		14:59	X																	
CCV 460-770236/16	1		15:03	X																	
CCB 460-770236/17	1		15:07	X																	
ZZZZZZ			15:20																		
ZZZZZZ			15:24																		
ZZZZZZ			15:28																		
ZZZZZZ			15:32																		
ZZZZZZ			15:36																		
ZZZZZZ			15:40																		
ZZZZZZ			15:44																		
ZZZZZZ			15:48																		
ZZZZZZ			15:52																		
ZZZZZZ			15:56																		
CCV 460-770236/28			16:00																		
CCB 460-770236/29			16:03																		
ZZZZZZ			16:08																		
ZZZZZZ			16:12																		
ZZZZZZ			16:16																		
ZZZZZZ			16:20																		
ZZZZZZ			16:24																		
ZZZZZZ			16:28																		
ZZZZZZ			16:32																		
ZZZZZZ			16:36																		
ZZZZZZ			16:40																		
ZZZZZZ			16:44																		
CCV 460-770236/40			16:48																		
CCB 460-770236/41			16:51																		
ZZZZZZ			16:56																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010D

Start Date: 04/08/2021 14:02 End Date: 04/08/2021 23:08

Lab Sample ID	D / F	T y p e	Time	Analytes															
				P b															
ZZZZZZ			17:00																
ZZZZZZ			17:04																
ZZZZZZ			17:08																
ZZZZZZ			17:13																
ZZZZZZ			17:17																
ZZZZZZ			17:21																
ZZZZZZ			17:25																
ZZZZZZ			17:29																
ZZZZZZ			17:34																
CCV 460-770236/52			17:38																
CCB 460-770236/53			17:42																
ZZZZZZ			17:46																
ZZZZZZ			17:50																
ZZZZZZ			17:54																
ZZZZZZ			17:59																
ZZZZZZ			18:02																
ZZZZZZ			18:06																
ZZZZZZ			18:10																
ZZZZZZ			18:15																
ZZZZZZ			18:19																
ZZZZZZ			18:23																
CCV 460-770236/64	1		18:27	X															
CCB 460-770236/65	1		18:30	X															
ZZZZZZ			18:35																
ZZZZZZ			18:39																
460-230997-E-2-A PDS	1	T	18:43	X															
460-230997-E-2-C MS	1	T	18:47	X															
460-230997-E-2-B DU	1	T	18:50	X															
ZZZZZZ			18:55																
460-230997-E-2-A SD	5	T	18:59	X															
460-231372-1	1	T	19:03	X															
460-231372-2	1	T	19:07	X															
460-231372-3	1	T	19:11	X															
CCV 460-770236/76	1		19:15	X															
CCB 460-770236/77	1		19:19	X															
MB 460-770101/1-A	1	T	19:23	X															
LCS 460-770101/2-A	1	T	19:27	X															
CCV 460-770236/80	1		19:31	X															
CCB 460-770236/81	1		19:34	X															
ZZZZZZ			19:40																
ZZZZZZ			19:44																
ZZZZZZ			19:48																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010D

Start Date: 04/08/2021 14:02 End Date: 04/08/2021 23:08

Lab Sample ID	D / F	T y p e	Time	Analytes															
				P b															
ZZZZZZ			19:51																
ZZZZZZ			19:55																
ZZZZZZ			19:59																
ZZZZZZ			20:03																
ZZZZZZ			20:07																
ZZZZZZ			20:11																
ZZZZZZ			20:15																
CCV 460-770236/92			20:19																
CCB 460-770236/93			20:23																
ZZZZZZ			20:27																
ZZZZZZ			20:31																
ZZZZZZ			20:35																
ZZZZZZ			20:39																
ZZZZZZ			20:43																
ZZZZZZ			20:47																
ZZZZZZ			20:51																
ZZZZZZ			20:55																
ZZZZZZ			20:59																
ZZZZZZ			21:03																
CCV 460-770236/104			21:07																
CCB 460-770236/105			21:11																
ZZZZZZ			21:15																
ZZZZZZ			21:19																
ZZZZZZ			21:23																
ZZZZZZ			21:27																
ZZZZZZ			21:31																
ZZZZZZ			21:35																
ZZZZZZ			21:39																
ZZZZZZ			21:43																
ZZZZZZ			21:47																
ZZZZZZ			21:51																
CCV 460-770236/116			21:55																
CCB 460-770236/117			21:59																
ZZZZZZ			22:03																
ZZZZZZ			22:07																
ZZZZZZ			22:11																
ZZZZZZ			22:15																
ZZZZZZ			22:19																
ZZZZZZ			22:23																
ZZZZZZ			22:27																
ZZZZZZ			22:31																
ZZZZZZ			22:36																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010D

Start Date: 04/08/2021 14:02 End Date: 04/08/2021 23:08

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				P b																	
ZZZZZZ			22:40																		
CCV 460-770236/128			22:44																		
CCB 460-770236/129			22:47																		
ZZZZZZ			22:52																		
ZZZZZZ			22:56																		
ZZZZZZ			23:00																		
CCV 460-770236/133			23:04																		
CCB 460-770236/134			23:08																		

Prep Types

T = Total/NA

15-IN
ICP INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-231372-1

SDG No.: _____

Analysis Batch No.: 770236

ICP Instrument ID: ICP5

Start Date: 04/08/2021 End Date: 04/08/2021

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Y	Q	Element Y	Q	Element Y	Q	Element Y	Q	Element	Q
				224.306		360.073		371.030			
ICIS 460-770236/1	14:02										
ICV 460-770236/7	14:25			94		95		99			
ICB 460-770236/8	14:29			99		100		99			
ICSA 460-770236/10	14:37			83		83		92			
ICSAB 460-770236/11	14:42			83		83		92			
LRC 460-770236/14	14:54			79		83		95			
LRC 460-770236/15	14:59			104		105		102			
CCV 460-770236/16	15:03			93		93		96			
CCB 460-770236/17	15:07			99		99		98			
CCV 460-770236/64	18:27			94		94		96			
CCB 460-770236/65	18:30			99		100		96			
460-230997-E-2-A PDS	18:43			91		92		96			
460-230997-E-2-C MS	18:47			91		92		95			
460-230997-E-2-B DU	18:50			93		93		96			
460-230997-E-2-A SD	18:59			97		98		96			
460-231372-1	19:03			97		98		97			
460-231372-2	19:07			97		98		96			
460-231372-3	19:11			101		102		98			
CCV 460-770236/76	19:15			95		94		95			
CCB 460-770236/77	19:19			100		101		96			
MB 460-770101/1-A	19:23			101		101		97			
LCS 460-770101/2-A	19:27			97		98		96			
CCV 460-770236/80	19:31			95		95		95			
CCB 460-770236/81	19:34			100		101		96			

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-231372-1

SDG No.: _____

Batch Number: 770101 Batch Start Date: 04/08/21 03:35 Batch Analyst: Collins, Garrett MBatch Method: 3010A Batch End Date: 04/08/21 08:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME LCS-int 00083			
MB 460-770101/1		3010A, 6010D		50 mL	50 mL				
LCS 460-770101/2		3010A, 6010D		50 mL	50 mL	1 mL			
460-230997-E-2 DU		3010A, 6010D	T	50 mL	50 mL				
460-230997-E-2 MS		3010A, 6010D	T	50 mL	50 mL	1 mL			
460-231372-E-1	MW-7S_040121	3010A, 6010D	T	50 mL	50 mL				
460-231372-E-2	DUP-1_040121	3010A, 6010D	T	50 mL	50 mL				
460-231372-E-3	FB-1_040121	3010A, 6010D	T	50 mL	50 mL				

Batch Notes	
Batch Comment	1:1 HCL MPR 385
Temperature - Corrected - End	94 corr Degrees C
Temperature - Corrected - Start	93 corr Degrees C
Digestion End Time	04/08/2021 05:35
Digestion Start Time	04/08/2021 03:35
Digestion Unit ID	#4
Nitric Acid ID	0000258286
Pipette/Syringe/Dispenser ID	#22
Analyst ID - Spike Analyst	GC
Thermometer ID	Metal- 6 (cf +3)
Digestion Tube/Cup ID	Lot # 2010025-1048-AK (Environmental Express 100 mL. tube)
Temperature - Uncorrected - End	91 uncorr Degrees C
Temperature - Uncorrected - Start	90 uncorr Degrees C

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.

6010D

Shipping and Receiving Documents

Address:

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

TAL-8210

[illegible]

Job Number:

231372

Number of Coolers:

IR Gun #

Cooler Temperatures

	RAW		CORRECTED	
	RAW	CORRECTED	RAW	CORRECTED
Cooler #1:	10	°C		°C
Cooler #2:		°C		°C
Cooler #3:		°C		°C
Cooler #4:		°C		°C
Cooler #5:		°C		°C
Cooler #6:		°C		°C
Cooler #7:		°C		°C
Cooler #8:		°C		°C
Cooler #9:		°C		°C

[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:

Login Sample Receipt Checklist

Client: Langan Engineering & Environmental Svcs

Job Number: 460-231372-1

Login Number: 231372

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	
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	