Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

18-046-Aquino Lancaster
Eurofins SDG#480-213100-1
June 11, 2025
Sampling date: 9/26/2023

Prepared by:
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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Matrix Environmental Technologies, Inc., project located at 18-046-Aquino Lancaster, Eurofins SDG#480-213100-1 submitted to Vali-Data of WNY, LLC on April 8, 2025. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG). The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

ID	Sample ID	Laboratory ID
1	EX-1 (3.4)	480-213100-1
2	EX-2 (4.6)	480-213100-2
3	EX-3 (6.1)	480-213100-3
4	EX-4 (6.2)	480-213100-4

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Initial Calibration and Continuing Calibration.

Sample: DUSR ID#1 underwent medium level analysis due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibrations (ICal) and/or initial calibration verifications (ICV) should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICal/ICV HP5973S	1,4-Dioxane	RRF	UJ/J	480-685607, 1
ICal/ICV HP5977M	1,4-Dioxane	RRF	UJ/J	480-685473, 480-685723, 480-685857, 2-4

Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except a couple of target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
CCVIS 480-685588/4	1,4-Dioxane	RRF/74.9	UJ/J	480-685607, 1
CCVIS 480-685474/4	1,4-Dioxane	RRF	UJ/J	480-685473, 3
CCVIS 480-685474/4	Carbon tetrachloride	38.1	UJ/J	480-685473, 3
CCVIS 480-685724/4	1,4-Dioxane	RRF	UJ/J	480-685723, 4
CCVIS 480-685724/4	Carbon tetrachloride	37.4	UJ/J	480-685723, 4
CCVIS 480-685859/4	1,4-Dioxane	RRF	UJ/J	480-685857, 2
CCVIS 480-685859/4	Carbon tetrachloride	32.3	UJ/J	480-685857, 2

GC/MS PERFORMANCE CHECK

All criteria were met.

Job Narrative
480-213100-1

Receipt
The samples were received on 9/27/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-685474 recovered above the upper control limit for Carbon tetrachloride and 1,1,1-Trichloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: EX-3 (6.1') (480-213100-3).

Method 8260C: The following sample was analyzed using medium level soil analysis due to the nature of the sample matrix: EX-1 (3.4') (480-213100-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 685588 recovered above the upper control limit for 1,4-Dioxane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: EX-1 (3.4') (480-213100-1).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-685724 recovered above the upper control limit for 1,1,1-Trichloroethane and Carbon tetrachloride. The sample associated with this CCV was non-detect for the affected analytes; therefore, the data has been reported. The associated sample is impacted: EX-4 (6.2') (480-213100-4).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-685859 recovered above the upper control limit for Carbon tetrachloride. The sample(s) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: EX-2 (4.6') (480-213100-2).

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

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

Client Sample ID: EX-1 (3.4)

Date Collected: 09/26/23 09:43
Date Received: 09/27/23 09:00

Lab Sample ID: 480-213100-1

Matrix: Solid
Percent Solids: 85.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,1-Dichloroethane	53	U	53	16	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,1-Dichloroethene	53	U	53	18	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,2,4-Trimethylbenzene	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,2-Dichlorobenzene	53	U	53	13	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,2-Dichloroethane	53	U	53	22	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,3,5-Trimethylbenzene	53	U	53	16	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,3-Dichlorobenzene	53	U	53	14	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,4-Dichlorobenzene	53	U	53	7.4	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,4-Dioxane	1000	U	1000	270	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
2-Butanone (MEK)	260	U	260	160	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Acetone	260	U	260	220	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Benzene	53	U	53	10	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Carbon tetrachloride	53	U	53	13	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Chlorobenzene	53	U	53	7.0	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Chloroform	53	U	53	36	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
cis-1,2-Dichloroethene	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Ethylbenzene	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Methyl tert-butyl ether	53	U	53	20	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Methylene Chloride	53	U	53	10	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
n-Butylbenzene	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
N-Propylbenzene	53	U	53	14	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
sec-Butylbenzene	53	U	53	19	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
tert-Butylbenzene	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Tetrachloroethene	**110**		53	7.1	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Toluene	53	U	53	14	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
trans-1,2-Dichloroethene	53	U	53	12	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Trichloroethene	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Vinyl chloride	53	U	53	18	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Xylenes, Total	110	U	110	29	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/29/23 13:10*	*09/29/23 17:31*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*09/29/23 13:10*	*09/29/23 17:31*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*	*09/29/23 13:10*	*09/29/23 17:31*	*1*
Toluene-d8 (Surr)	*105*		*50 - 149*	*09/29/23 13:10*	*09/29/23 17:31*	*1*

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

Client Sample ID: EX-2 (4.6)

Date Collected: 09/26/23 10:03
Date Received: 09/27/23 09:00

Lab Sample ID: 480-213100-2

Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0	U	4.0	0.29	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,1-Dichloroethane	4.0	U	4.0	0.49	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,1-Dichloroethene	4.0	U	4.0	0.49	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,2,4-Trimethylbenzene	4.0	U	4.0	0.77	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,2-Dichlorobenzene	4.0	U	4.0	0.31	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,2-Dichloroethane	4.0	U	4.0	0.20	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,3,5-Trimethylbenzene	4.0	U	4.0	0.26	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,3-Dichlorobenzene	4.0	U	4.0	0.21	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,4-Dichlorobenzene	4.0	U	4.0	0.56	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,4-Dioxane	80	U	80	17	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
2-Butanone (MEK)	20	U	20	1.5	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Acetone	**9.0**	**J**	20	3.4	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Benzene	4.0	U	4.0	0.20	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Carbon tetrachloride	4.0	U	4.0	0.39	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Chlorobenzene	4.0	U	4.0	0.53	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Chloroform	4.0	U	4.0	0.25	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
cis-1,2-Dichloroethene	4.0	U	4.0	0.51	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Ethylbenzene	4.0	U	4.0	0.28	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Methyl tert-butyl ether	4.0	U	4.0	0.39	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Methylene Chloride	4.0	U	4.0	1.8	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
n-Butylbenzene	4.0	U	4.0	0.35	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
N-Propylbenzene	4.0	U	4.0	0.32	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
sec-Butylbenzene	4.0	U	4.0	0.35	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Tetrachloroethene	4.0	U	4.0	0.54	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Toluene	4.0	U	4.0	0.30	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
trans-1,2-Dichloroethene	4.0	U	4.0	0.41	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Trichloroethene	4.0	U	4.0	0.88	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Vinyl chloride	4.0	U	4.0	0.49	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Xylenes, Total	8.0	U	8.0	0.67	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
tert-Butylbenzene	4.0	U	4.0	0.42	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*64 - 126*	*09/27/23 10:00*	*10/02/23 21:39*	*1*
4-Bromofluorobenzene (Surr)	*106*		*72 - 126*	*09/27/23 10:00*	*10/02/23 21:39*	*1*
Toluene-d8 (Surr)	*91*		*71 - 125*	*09/27/23 10:00*	*10/02/23 21:39*	*1*
Dibromofluoromethane (Surr)	*117*		*60 - 140*	*09/27/23 10:00*	*10/02/23 21:39*	*1*

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

Client Sample ID: EX-3 (6.1)

Date Collected: 09/26/23 12:11
Date Received: 09/27/23 09:00

Lab Sample ID: 480-213100-3

Matrix: Solid
Percent Solids: 84.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.7	U	3.7	0.27	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,1-Dichloroethane	3.7	U	3.7	0.45	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,1-Dichloroethene	3.7	U	3.7	0.45	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,2,4-Trimethylbenzene	3.7	U	3.7	0.71	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,2-Dichlorobenzene	3.7	U	3.7	0.29	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,2-Dichloroethane	3.7	U	3.7	0.19	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,3,5-Trimethylbenzene	3.7	U	3.7	0.24	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,3-Dichlorobenzene	3.7	U	3.7	0.19	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,4-Dichlorobenzene	3.7	U	3.7	0.52	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,4-Dioxane	74	U	74	16	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
2-Butanone (MEK)	19	U	19	1.4	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Acetone	**8.7**	**J**	19	3.1	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Benzene	3.7	U	3.7	0.18	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Carbon tetrachloride	3.7	U	3.7	0.36	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Chlorobenzene	3.7	U	3.7	0.49	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Chloroform	3.7	U	3.7	0.23	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
cis-1,2-Dichloroethene	**9.0**		3.7	0.47	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Ethylbenzene	3.7	U	3.7	0.26	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Methyl tert-butyl ether	3.7	U	3.7	0.36	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Methylene Chloride	3.7	U	3.7	1.7	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
n-Butylbenzene	3.7	U	3.7	0.32	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
N-Propylbenzene	3.7	U	3.7	0.30	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
sec-Butylbenzene	3.7	U	3.7	0.32	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Tetrachloroethene	**6.4**		3.7	0.50	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Toluene	3.7	U	3.7	0.28	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
trans-1,2-Dichloroethene	**0.86**	**J**	3.7	0.38	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Trichloroethene	**5.4**		3.7	0.82	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Vinyl chloride	3.7	U	3.7	0.45	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Xylenes, Total	7.4	U	7.4	0.62	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
tert-Butylbenzene	3.7	U	3.7	0.39	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*64 - 126*	*09/27/23 10:00*	*09/29/23 01:32*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*	*09/27/23 10:00*	*09/29/23 01:32*	*1*
Toluene-d8 (Surr)	*93*		*71 - 125*	*09/27/23 10:00*	*09/29/23 01:32*	*1*
Dibromofluoromethane (Surr)	*111*		*60 - 140*	*09/27/23 10:00*	*09/29/23 01:32*	*1*

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

Client Sample ID: EX-4 (6.2)

Date Collected: 09/26/23 12:33
Date Received: 09/27/23 09:00

Lab Sample ID: 480-213100-4

Matrix: Solid
Percent Solids: 78.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,1-Dichloroethane	4.3	U	4.3	0.52	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,1-Dichloroethene	4.3	U	4.3	0.52	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,2,4-Trimethylbenzene	4.3	U	4.3	0.82	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,2-Dichlorobenzene	4.3	U	4.3	0.33	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,2-Dichloroethane	4.3	U	4.3	0.21	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,3,5-Trimethylbenzene	4.3	U	4.3	0.27	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,4-Dichlorobenzene	4.3	U	4.3	0.60	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,4-Dioxane	85	U	85	19	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
2-Butanone (MEK)	21	U	21	1.6	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Acetone	**8.3**	**J**	21	3.6	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Benzene	4.3	U	4.3	0.21	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Carbon tetrachloride	4.3	U	4.3	0.41	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Chlorobenzene	4.3	U	4.3	0.56	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Chloroform	4.3	U	4.3	0.26	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
cis-1,2-Dichloroethene	**22**		4.3	0.54	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Ethylbenzene	4.3	U	4.3	0.29	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Methyl tert-butyl ether	4.3	U	4.3	0.42	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
n-Butylbenzene	4.3	U	4.3	0.37	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
N-Propylbenzene	4.3	U	4.3	0.34	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
sec-Butylbenzene	4.3	U	4.3	0.37	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Tetrachloroethene	4.3	U	4.3	0.57	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Toluene	4.3	U	4.3	0.32	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.44	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Trichloroethene	4.3	U	4.3	0.94	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Vinyl chloride	**8.2**		4.3	0.52	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Xylenes, Total	8.5	U	8.5	0.71	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
tert-Butylbenzene	4.3	U	4.3	0.44	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 126*	*09/27/23 10:00*	*10/01/23 10:28*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*	*09/27/23 10:00*	*10/01/23 10:28*	*1*
Toluene-d8 (Surr)	*93*		*71 - 125*	*09/27/23 10:00*	*10/01/23 10:28*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 140*	*09/27/23 10:00*	*10/01/23 10:28*	*1*

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

Lab Name: Eurofins Buffalo Job No.: 480-213100-1 Analy Batch No.: 681984

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/31/2023 15:42 Calibration End Date: 08/31/2023 18:25 Calibration ID: 45300

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	+++++ 1.8185	1.8061 1.8762	1.7317 2.0047	1.7064	1.8331	Ave		1.8252			0.1000	5.4		20.0			
Cyclohexane	+++++ 2.2830	2.2537 2.4924	2.2151 2.5871	2.3341	2.3413	Ave		2.3581			0.1000	5.7		20.0			
Carbon tetrachloride	+++++ 1.4574	1.4520 1.5955	1.2698 1.6900	1.4029	1.4531	Ave		1.4744			0.1000	9.2		20.0			
1,1-Dichloropropene	1.5740 1.6652	1.4561 1.8295	1.5617 1.9028	1.7052	1.7720	Ave		1.6833				8.9		20.0			
Benzene	4.7719 5.0484	4.7986 5.2146	4.6601 5.3860	5.2747	5.3127	Ave		5.0584			0.5000	5.5		20.0			
Isobutyl alcohol	+++++ 0.0595	0.0620 0.0634	0.0508 0.0630	0.0490	0.0633	Ave		0.0587				10.5		20.0			
1,2-Dichloroethane	2.1071 1.9620	1.9877 1.9589	1.8812 2.0226	1.9588	2.0693	Ave		1.9935			0.1000	3.6		20.0			
n-Heptane	1.9611 2.0362	2.0857 2.1858	2.2632 2.1993	2.1647	2.0623	Ave		2.1198				4.7		20.0			
Trichloroethene	1.2392 1.2515	1.3019 1.3145	1.2008 1.3404	1.2943	1.2775	Ave		1.2775			0.2000	3.5		20.0			
Methylcyclohexane	+++++ 2.2076	2.1566 2.4030	2.0610 2.4552	2.2259	2.2156	Ave		2.2464			0.1000	6.1		20.0			
1,2-Dichloropropane	1.2574 1.2694	1.2645 1.2963	1.1648 1.3418	1.2839	1.3105	Ave		1.2736			0.1000	4.1		20.0			
Dibromomethane	+++++ 0.7989	0.6886 0.8020	0.7959 0.8285	0.7849	0.8324	Ave		0.7902			0.1000	6.1		20.0			
1,4-Dioxane	0.0037 0.0037	0.0040 0.0039	0.0038 0.0037	0.0030	0.0038	Ave		0.0037				8.6		20.0			
Bromodichloromethane	1.4422 1.5654	1.4053 1.6256	1.2624 1.7153	1.4285	1.6047	Ave		1.5062			0.2000	9.7		20.0			
2-Chloroethyl vinyl ether	0.9459 0.9900	0.8629 0.9704	0.8935 1.0020	0.9073	0.9838	Ave		0.9445				5.4		20.0			
cis-1,3-Dichloropropene	1.9644 2.1157	1.7660 2.1463	1.8043 2.2651	2.0053	2.1453	Ave		2.0266			0.2000	8.6		20.0			
4-Methyl-2-pentanone (MIBK)	0.8479 0.8223	0.8471 0.8273	0.7951 0.8020	0.8003	0.8442	Ave		0.8233			0.1000	2.7		20.0			
Toluene	1.4192 1.3899	1.3354 1.4759	1.3054 1.4601	1.4029	1.4146	Ave		1.4004			0.4000	4.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Buffalo Job No.: 480-213100-1 Analy Batch No.: 681463

SDG No.:

Instrument ID: HP5977M GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/28/2023 11:48 Calibration End Date: 08/28/2023 14:15 Calibration ID: 45282

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	1.9558 1.7144	1.7452 1.6198	1.7816	1.7165	1.8157	Ave		1.7642			0.1000	5.9		20.0			
Cyclohexane	+++++ 2.4657	2.7084 2.2471	2.6810	2.5324	2.6118	Ave		2.5411			0.1000	6.7		20.0			
Carbon tetrachloride	1.5638 1.4137	1.4052 1.3502	1.3827	1.3865	1.4763	Ave		1.4255			0.1000	5.1		20.0			
1,1-Dichloropropene	1.7723 1.5221	1.6322 1.4133	1.5684	1.5633	1.6066	Ave		1.5826				6.9		20.0			
Benzene	5.3330 4.6998	4.8779 4.4246	4.8501	4.7775	4.8923	Ave		4.8365			0.5000	5.6		20.0			
Isobutyl alcohol	0.0714 0.0667	0.0628 0.0638	0.0733	0.0800	0.0872	Ave		0.0722				12.4		20.0			
1,2-Dichloroethane	2.1399 1.8959	1.9074 1.8045	1.9389	1.9765	1.9836	Ave		1.9495			0.1000	5.3		20.0			
n-Heptane	2.3400 2.0616	2.1166 1.8142	2.1101	2.0025	2.0476	Ave		2.0704				7.6		20.0			
Trichloroethene	1.3915 1.2334	1.2872 1.1646	1.2653	1.2638	1.2753	Ave		1.2687			0.2000	5.3		20.0			
Methylcyclohexane	+++++ 2.0604	2.3000 1.8803	2.2393	2.1513	2.2301	Ave		2.1436			0.1000	7.1		20.0			
1,2-Dichloropropane	1.3681 1.3786	1.3371 1.2996	1.3096	1.3235	1.3915	Ave		1.3440			0.1000	2.7		20.0			
Dibromomethane	0.8344 0.8487	0.7915 0.7985	0.8198	0.8371	0.8636	Ave		0.8277			0.1000	3.2		20.0			
1,4-Dioxane	+++++ 0.0066	0.0053 0.0062	0.0077	0.0083	0.0085	Ave		0.0071				17.9		20.0			
Bromodichloromethane	1.4793 1.6115	1.4191 1.5914	1.4518	1.5188	1.6082	Ave		1.5257			0.2000	5.2		20.0			
2-Chloroethyl vinyl ether	0.6770 0.9212	0.7077 0.8553	0.7310	0.8136	0.8181	Ave		0.7891				11.1		20.0			
cis-1,3-Dichloropropene	1.6548 2.0311	1.6894 1.9558	1.7296	1.8652	1.9395	Ave		1.8379			0.2000	8.0		20.0			
4-Methyl-2-pentanone (MIBK)	0.6676 0.7036	0.6449 0.6682	0.6814	0.7138	0.7393	Ave		0.6884			0.1000	4.7		20.0			
Toluene	1.4167 1.2816	1.3030 1.2178	1.2772	1.2956	1.3080	Ave		1.3000			0.4000	4.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213100-1

SDG No.:

Lab Sample ID: ICV 480-682178/4 Calibration Date: 09/01/2023 12:31

Instrument ID: HP5973S Calib Start Date: 08/31/2023 15:42

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 08/31/2023 18:25

Lab File ID: S0821.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.246	2.689	0.1000	29.9	25.0	19.7	30.0
1,2-Dichloropropane	Ave	1.274	1.351	0.1000	26.5	25.0	6.1	30.0
Dibromomethane	Ave	0.7902	0.8376	0.1000	26.5	25.0	6.0	30.0
1,4-Dioxane	Ave	0.0037	0.0023		312	500	-37.6	50.0
Bromodichloromethane	Ave	1.506	1.651	0.2000	27.4	25.0	9.6	30.0
2-Chloroethyl vinyl ether	Ave	0.9445	0.9947		26.3	25.0	5.3	30.0
cis-1,3-Dichloropropene	Ave	2.027	2.231	0.2000	27.5	25.0	10.1	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8233	0.8190	0.1000	124	125	-0.5	30.0
Toluene	Ave	1.400	1.502	0.4000	26.8	25.0	7.3	30.0
trans-1,3-Dichloropropene	Ave	0.8317	0.9124	0.1000	27.4	25.0	9.7	30.0
Ethyl methacrylate	Ave	0.8513	0.8683		25.5	25.0	2.0	30.0
1,1,2-Trichloroethane	Ave	0.4231	0.4392	0.1000	25.9	25.0	3.8	30.0
Tetrachloroethene	Ave	0.5739	0.6351	0.2000	27.7	25.0	10.7	30.0
1,3-Dichloropropane	Ave	0.8993	0.9240		25.7	25.0	2.7	30.0
2-Hexanone	Ave	0.5608	0.5608	0.1000	125	125	0.0	30.0
Dibromochloromethane	Ave	0.4340	0.5045	0.1000	29.1	25.0	16.2	30.0
1,2-Dibromoethane	Ave	0.5071	0.5367		26.5	25.0	5.8	30.0
Chlorobenzene	Ave	1.509	1.615	0.5000	26.8	25.0	7.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4629	0.5334		28.8	25.0	15.2	30.0
Ethylbenzene	Ave	2.667	2.913	0.1000	27.3	25.0	9.2	30.0
m,p-Xylene	Ave	1.025	1.129	0.1000	27.5	25.0	10.1	30.0
o-Xylene	Ave	1.046	1.133	0.3000	27.1	25.0	8.3	30.0
Styrene	Ave	1.722	1.816	0.3000	26.4	25.0	5.4	30.0
Bromoform	Ave	0.2939	0.3310	0.1000	28.2	25.0	12.6	50.0
Isopropylbenzene	Ave	2.672	3.002	0.1000	28.1	25.0	12.4	30.0
Bromobenzene	Ave	0.6655	0.7025		26.4	25.0	5.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7548	0.7843	0.3000	26.0	25.0	3.9	30.0
N-Propylbenzene	Ave	3.273	3.686		28.2	25.0	12.6	30.0
1,2,3-Trichloropropane	Ave	0.2439	0.2581		26.5	25.0	5.8	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2809	0.3047		27.1	25.0	8.5	50.0
2-Chlorotoluene	Ave	0.6161	0.6612		26.8	25.0	7.3	30.0
1,3,5-Trimethylbenzene	Ave	2.335	2.632		28.2	25.0	12.7	30.0
4-Chlorotoluene	Ave	0.6480	0.7152		27.6	25.0	10.4	30.0
tert-Butylbenzene	Ave	0.5002	0.5730		28.6	25.0	14.6	30.0
1,2,4-Trimethylbenzene	Ave	2.493	2.643		26.5	25.0	6.1	30.0
sec-Butylbenzene	Ave	2.977	3.405		28.6	25.0	14.4	30.0
1,3-Dichlorobenzene	Ave	1.330	1.420	0.6000	26.7	25.0	6.7	30.0
4-Isopropyltoluene	Ave	2.577	2.936		28.5	25.0	13.9	30.0
1,4-Dichlorobenzene	Ave	1.394	1.465	0.5000	26.3	25.0	5.1	30.0
n-Butylbenzene	Ave	2.380	2.778		29.2	25.0	16.7	30.0
1,2-Dichlorobenzene	Ave	1.316	1.378	0.4000	26.2	25.0	4.7	30.0

FORM VII 8260C

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213100-1

SDG No.:

Lab Sample ID: CCVIS 480-685588/4 Calibration Date: 09/29/2023 14:35

Instrument ID: HP5973S Calib Start Date: 08/31/2023 15:42

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 08/31/2023 18:25

Lab File ID: S1784.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.246	2.206	0.1000	24.6	25.0	-1.8	20.0
1,2-Dichloropropane	Ave	1.274	1.196	0.1000	23.5	25.0	-6.1	20.0
Dibromomethane	Ave	0.7902	0.7553	0.1000	23.9	25.0	-4.4	20.0
1,4-Dioxane	Ave	0.0037	0.0065		874	500	74.9*	50.0
Bromodichloromethane	Ave	1.506	1.500	0.2000	24.9	25.0	-0.4	20.0
2-Chloroethyl vinyl ether	Ave	0.9445	0.8027		21.2	25.0	-15.0	20.0
cis-1,3-Dichloropropene	Ave	2.027	1.849	0.2000	22.8	25.0	-8.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8233	0.7803	0.1000	118	125	-5.2	20.0
Toluene	Ave	1.400	1.400	0.4000	25.0	25.0	-0.0	20.0
trans-1,3-Dichloropropene	Ave	0.8317	0.7959	0.1000	23.9	25.0	-4.3	20.0
Ethyl methacrylate	Ave	0.8513	0.7078		20.8	25.0	-16.9	20.0
1,1,2-Trichloroethane	Ave	0.4231	0.3984	0.1000	23.5	25.0	-5.8	20.0
Tetrachloroethene	Ave	0.5739	0.5878	0.2000	25.6	25.0	2.4	20.0
1,3-Dichloropropane	Ave	0.8993	0.8682		24.1	25.0	-3.5	20.0
2-Hexanone	Ave	0.5608	0.5495	0.1000	122	125	-2.0	20.0
Dibromochloromethane	Ave	0.4340	0.4309	0.1000	24.8	25.0	-0.7	20.0
1,2-Dibromoethane	Ave	0.5071	0.4827		23.8	25.0	-4.8	20.0
Chlorobenzene	Ave	1.509	1.470	0.5000	24.4	25.0	-2.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4629	0.4607		24.9	25.0	-0.5	20.0
Ethylbenzene	Ave	2.667	2.700	0.1000	25.3	25.0	1.2	20.0
m,p-Xylene	Ave	1.025	1.047	0.1000	25.5	25.0	2.1	20.0
o-Xylene	Ave	1.046	1.026	0.3000	24.5	25.0	-1.9	20.0
Styrene	Ave	1.722	1.645	0.3000	23.9	25.0	-4.5	20.0
Bromoform	Ave	0.2939	0.2733	0.1000	23.3	25.0	-7.0	50.0
Isopropylbenzene	Ave	2.672	2.907	0.1000	27.2	25.0	8.8	20.0
Bromobenzene	Ave	0.6655	0.6691		25.1	25.0	0.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7548	0.7174	0.3000	23.8	25.0	-5.0	20.0
N-Propylbenzene	Ave	3.273	3.510		26.8	25.0	7.3	20.0
1,2,3-Trichloropropane	Ave	0.2439	0.2336		23.9	25.0	-4.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2809	0.2446		21.8	25.0	-12.9	50.0
2-Chlorotoluene	Ave	0.6161	0.6294		25.5	25.0	2.2	20.0
1,3,5-Trimethylbenzene	Ave	2.335	2.482		26.6	25.0	6.3	20.0
4-Chlorotoluene	Ave	0.6480	0.6524		25.2	25.0	0.7	20.0
tert-Butylbenzene	Ave	0.5002	0.5275		26.4	25.0	5.4	20.0
1,2,4-Trimethylbenzene	Ave	2.493	2.563		25.7	25.0	2.8	20.0
sec-Butylbenzene	Ave	2.977	3.154		26.5	25.0	5.9	20.0
1,3-Dichlorobenzene	Ave	1.330	1.340	0.6000	25.2	25.0	0.7	20.0
4-Isopropyltoluene	Ave	2.577	2.737		26.6	25.0	6.2	20.0
1,4-Dichlorobenzene	Ave	1.394	1.353	0.5000	24.3	25.0	-2.9	20.0
n-Butylbenzene	Ave	2.380	2.553		26.8	25.0	7.3	20.0
1,2-Dichlorobenzene	Ave	1.316	1.307	0.4000	24.8	25.0	-0.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213100-1

SDG No.:

Lab Sample ID: ICV 480-681463/24 Calibration Date: 08/28/2023 19:06

Instrument ID: HP5977M Calib Start Date: 08/28/2023 11:48

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 08/28/2023 14:15

Lab File ID: M11015.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
Methylcyclohexane	Ave	2.144	1.782	0.1000	41.6	50.0	-16.9	30.0
1,2-Dichloropropane	Ave	1.344	1.364	0.1000	50.8	50.0	1.5	30.0
Dibromomethane	Ave	0.8277	0.8509	0.1000	51.4	50.0	2.8	30.0
1,4-Dioxane	Ave	0.0071	0.0078		1100	1000	10.3	50.0
Bromodichloromethane	Ave	1.526	1.613	0.2000	52.9	50.0	5.7	30.0
2-Chloroethyl vinyl ether	Ave	0.7891	0.8640		54.7	50.0	9.5	30.0
cis-1,3-Dichloropropene	Ave	1.838	1.919	0.2000	52.2	50.0	4.4	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6884	0.7340	0.1000	267	250	6.6	30.0
Toluene	Ave	1.300	1.255	0.4000	48.3	50.0	-3.5	30.0
trans-1,3-Dichloropropene	Ave	0.7059	0.7680	0.1000	54.4	50.0	8.8	30.0
Ethyl methacrylate	Ave	0.6201	0.6801		54.8	50.0	9.7	30.0
1,1,2-Trichloroethane	Ave	0.4025	0.4275	0.1000	53.1	50.0	6.2	30.0
Tetrachloroethene	Ave	0.5624	0.4981	0.2000	44.3	50.0	-11.4	30.0
1,3-Dichloropropane	Ave	0.8136	0.8482		52.1	50.0	4.3	30.0
2-Hexanone	Ave	0.4527	0.4854	0.1000	268	250	7.2	30.0
Dibromochloromethane	Ave	0.4882	0.5400	0.1000	55.3	50.0	10.6	30.0
1,2-Dibromoethane	Ave	0.4975	0.5320		53.5	50.0	6.9	30.0
Chlorobenzene	Ave	1.550	1.535	0.5000	49.5	50.0	-1.0	30.0
Ethylbenzene	Ave	2.461	2.319	0.1000	47.1	50.0	-5.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.5157	0.5519		53.5	50.0	7.0	30.0
m,p-Xylene	Ave	0.9810	0.9132	0.1000	46.5	50.0	-6.9	30.0
o-Xylene	Ave	1.030	0.9943	0.3000	48.3	50.0	-3.5	30.0
Styrene	Ave	1.647	1.660	0.3000	50.4	50.0	0.8	30.0
Bromoform	Ave	0.3018	0.3372	0.1000	55.9	50.0	11.7	50.0
Isopropylbenzene	Ave	2.268	2.110	0.1000	46.5	50.0	-7.0	30.0
Bromobenzene	Ave	0.6225	0.6315		50.7	50.0	1.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6279	0.6549	0.3000	52.1	50.0	4.3	30.0
N-Propylbenzene	Ave	2.638	2.433		46.1	50.0	-7.8	30.0
1,2,3-Trichloropropane	Ave	0.2059	0.2146		52.1	50.0	4.2	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2077	0.2126		51.2	50.0	2.3	50.0
2-Chlorotoluene	Ave	0.5765	0.5604		48.6	50.0	-2.8	30.0
1,3,5-Trimethylbenzene	Ave	2.000	1.906		47.7	50.0	-4.7	30.0
4-Chlorotoluene	Ave	0.5911	0.5755		48.7	50.0	-2.6	30.0
tert-Butylbenzene	Ave	0.4326	0.4055		46.9	50.0	-6.3	30.0
1,2,4-Trimethylbenzene	Ave	2.120	2.020		47.6	50.0	-4.7	30.0
sec-Butylbenzene	Ave	2.513	2.245		44.7	50.0	-10.7	30.0
1,3-Dichlorobenzene	Ave	1.226	1.167	0.6000	47.6	50.0	-4.8	30.0
4-Isopropyltoluene	Ave	2.246	2.017		44.9	50.0	-10.2	30.0
1,4-Dichlorobenzene	Ave	1.258	1.188	0.5000	47.2	50.0	-5.6	30.0
n-Butylbenzene	Ave	1.981	1.714		43.3	50.0	-13.5	30.0
1,2-Dichlorobenzene	Ave	1.243	1.215	0.4000	48.9	50.0	-2.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213100-1

SDG No.:

Lab Sample ID: CCVIS 480-685474/4 Calibration Date: 09/28/2023 18:39

Instrument ID: HP5977M Calib Start Date: 08/28/2023 11:48

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 08/28/2023 14:15

Lab File ID: M11493.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
Dichlorodifluoromethane	Ave	1.644	1.637	0.1000	49.8	50.0	-0.4	50.0
Chloromethane	Ave	2.125	2.169	0.1000	51.0	50.0	2.1	20.0
Vinyl chloride	Ave	1.746	1.888	0.1000	54.1	50.0	8.1	20.0
Butadiene	Ave	1.805	2.050		56.8	50.0	13.6	20.0
Bromomethane	Ave	1.002	1.073	0.1000	53.5	50.0	7.0	50.0
Chloroethane	Ave	0.9687	1.152	0.1000	59.5	50.0	18.9	50.0
Trichlorofluoromethane	Ave	1.885	2.283	0.1000	60.5	50.0	21.1*	20.0
Dichlorofluoromethane	Ave	2.187	2.548		58.2	50.0	16.5	20.0
Ethyl ether	Ave	1.406	1.435		51.0	50.0	2.1	20.0
Acrolein	Ave	0.1577	0.1481		235	250	-6.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.315	1.584	0.1000	60.2	50.0	20.4*	20.0
1,1-Dichloroethene	Ave	1.088	1.291	0.1000	59.3	50.0	18.7	20.0
Acetone	Ave	0.5116	0.5398	0.1000	264	250	5.5	50.0
Iodomethane	Ave	2.336	2.466		52.8	50.0	5.6	20.0
Carbon disulfide	Ave	3.736	4.349	0.1000	58.2	50.0	16.4	20.0
Allyl chloride	Ave	2.304	2.552		55.4	50.0	10.7	20.0
Methyl acetate	Ave	1.228	1.284	0.1000	105	100	4.5	50.0
Methylene Chloride	Lin1		1.510	0.1000	54.3	50.0	8.5	20.0
2-Methyl-2-propanol	Ave	0.2033	0.2172		534	500	6.8	50.0
Methyl tert-butyl ether	Ave	4.144	4.129	0.1000	49.8	50.0	-0.4	20.0
trans-1,2-Dichloroethene	Ave	1.268	1.466	0.1000	57.8	50.0	15.6	20.0
Acrylonitrile	Ave	0.6383	0.6702		525	500	5.0	20.0
Hexane	Ave	2.151	2.474		57.5	50.0	15.0	20.0
1,1-Dichloroethane	Ave	2.460	2.744	0.2000	55.8	50.0	11.5	20.0
Vinyl acetate	Ave	2.922	3.260		112	100	11.6	20.0
2,2-Dichloropropane	Ave	1.264	1.698		67.2	50.0	34.4*	20.0
cis-1,2-Dichloroethene	Ave	1.486	1.627	0.1000	54.8	50.0	9.5	20.0
2-Butanone (MEK)	Ave	0.7454	0.7827	0.1000	263	250	5.0	20.0
Chlorobromomethane	Ave	0.8021	0.8506		53.0	50.0	6.0	20.0
Tetrahydrofuran	Ave	0.5191	0.5225		101	100	0.6	20.0
Chloroform	Ave	2.344	2.545	0.2000	54.3	50.0	8.6	20.0
1,1,1-Trichloroethane	Ave	1.764	2.201	0.1000	62.4	50.0	24.8*	20.0
Cyclohexane	Ave	2.541	3.069	0.1000	60.4	50.0	20.8*	20.0
Carbon tetrachloride	Ave	1.425	1.969	0.1000	69.1	50.0	38.1*	20.0
1,1-Dichloropropene	Ave	1.583	1.836		58.0	50.0	16.0	20.0
Benzene	Ave	4.836	5.271	0.5000	54.5	50.0	9.0	20.0
Isobutyl alcohol	Ave	0.0722	0.0817		1410	1250	13.1	50.0
1,2-Dichloroethane	Ave	1.950	2.048	0.1000	52.5	50.0	5.1	20.0
n-Heptane	Ave	2.070	2.430		58.7	50.0	17.4	20.0
Trichloroethene	Ave	1.269	1.399	0.2000	55.1	50.0	10.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213100-1

SDG No.:

Lab Sample ID: CCVIS 480-685474/4 Calibration Date: 09/28/2023 18:39

Instrument ID: HP5977M Calib Start Date: 08/28/2023 11:48

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 08/28/2023 14:15

Lab File ID: M11493.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
Methylcyclohexane	Ave	2.144	2.569	0.1000	59.9	50.0	19.8	20.0
1,2-Dichloropropane	Ave	1.344	1.423	0.1000	52.9	50.0	5.8	20.0
Dibromomethane	Ave	0.8277	0.8735	0.1000	52.8	50.0	5.5	20.0
1,4-Dioxane	Ave	0.0071	0.0068		959	1000	-4.1	50.0
Bromodichloromethane	Ave	1.526	1.787	0.2000	58.6	50.0	17.1	20.0
2-Chloroethyl vinyl ether	Ave	0.7891	0.7607		48.2	50.0	-3.6	20.0
cis-1,3-Dichloropropene	Ave	1.838	1.984	0.2000	54.0	50.0	8.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6884	0.6491	0.1000	236	250	-5.7	20.0
Toluene	Ave	1.300	1.269	0.4000	48.8	50.0	-2.4	20.0
trans-1,3-Dichloropropene	Ave	0.7059	0.6723	0.1000	47.6	50.0	-4.8	20.0
Ethyl methacrylate	Ave	0.6201	0.5689		45.9	50.0	-8.3	20.0
1,1,2-Trichloroethane	Ave	0.4025	0.3663	0.1000	45.5	50.0	-9.0	20.0
Tetrachloroethene	Ave	0.5624	0.5802	0.2000	51.6	50.0	3.2	20.0
1,3-Dichloropropane	Ave	0.8136	0.7275		44.7	50.0	-10.6	20.0
2-Hexanone	Ave	0.4527	0.4177	0.1000	231	250	-7.7	20.0
Dibromochloromethane	Ave	0.4882	0.5338	0.1000	54.7	50.0	9.4	20.0
1,2-Dibromoethane	Ave	0.4975	0.4577		46.0	50.0	-8.0	20.0
Chlorobenzene	Ave	1.550	1.467	0.5000	47.3	50.0	-5.4	20.0
Ethylbenzene	Ave	2.461	2.405	0.1000	48.9	50.0	-2.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5157	0.5643		54.7	50.0	9.4	20.0
m,p-Xylene	Ave	0.9810	0.9620	0.1000	49.0	50.0	-1.9	20.0
o-Xylene	Ave	1.030	0.999	0.3000	48.5	50.0	-3.1	20.0
Styrene	Ave	1.647	1.551	0.3000	47.1	50.0	-5.9	20.0
Bromoform	Ave	0.3018	0.3448	0.1000	57.1	50.0	14.2	50.0
Isopropylbenzene	Ave	2.268	2.148	0.1000	47.3	50.0	-5.3	20.0
Bromobenzene	Ave	0.6225	0.5478		44.0	50.0	-12.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6279	0.5512	0.3000	43.9	50.0	-12.2	20.0
N-Propylbenzene	Ave	2.638	2.490		47.2	50.0	-5.6	20.0
1,2,3-Trichloropropane	Ave	0.2059	0.1762		42.8	50.0	-14.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2077	0.1822		43.8	50.0	-12.3	50.0
2-Chlorotoluene	Ave	0.5765	0.5340		46.3	50.0	-7.4	20.0
1,3,5-Trimethylbenzene	Ave	2.000	1.859		46.5	50.0	-7.0	20.0
4-Chlorotoluene	Ave	0.5911	0.5347		45.2	50.0	-9.5	20.0
tert-Butylbenzene	Ave	0.4326	0.4168		48.2	50.0	-3.6	20.0
1,2,4-Trimethylbenzene	Ave	2.120	1.964		46.3	50.0	-7.3	20.0
sec-Butylbenzene	Ave	2.513	2.412		48.0	50.0	-4.0	20.0
1,3-Dichlorobenzene	Ave	1.226	1.097	0.6000	44.7	50.0	-10.5	20.0
4-Isopropyltoluene	Ave	2.246	2.145		47.7	50.0	-4.5	20.0
1,4-Dichlorobenzene	Ave	1.258	1.116	0.5000	44.4	50.0	-11.3	20.0
n-Butylbenzene	Ave	1.981	1.903		48.0	50.0	-3.9	20.0
1,2-Dichlorobenzene	Ave	1.243	1.105	0.4000	44.4	50.0	-11.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213100-1

SDG No.:

Lab Sample ID: CCVIS 480-685724/4 Calibration Date: 10/01/2023 08:26

Instrument ID: HP5977M Calib Start Date: 08/28/2023 11:48

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 08/28/2023 14:15

Lab File ID: M11525.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
Dichlorodifluoromethane	Ave	1.644	2.076	0.1000	63.2	50.0	26.3	50.0
Chloromethane	Ave	2.125	2.476	0.1000	58.3	50.0	16.5	20.0
Vinyl chloride	Ave	1.746	1.993	0.1000	57.1	50.0	14.2	20.0
Butadiene	Ave	1.805	2.239		62.0	50.0	24.0*	20.0
Bromomethane	Ave	1.002	1.136	0.1000	56.7	50.0	13.3	50.0
Chloroethane	Ave	0.9687	1.204	0.1000	62.1	50.0	24.2	50.0
Trichlorofluoromethane	Ave	1.885	2.292	0.1000	60.8	50.0	21.6*	20.0
Dichlorofluoromethane	Ave	2.187	2.881		65.9	50.0	31.7*	20.0
Ethyl ether	Ave	1.406	1.476		52.5	50.0	5.0	20.0
Acrolein	Ave	0.1577	0.1523		241	250	-3.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.315	1.552	0.1000	59.0	50.0	18.0	20.0
1,1-Dichloroethene	Ave	1.088	1.267	0.1000	58.2	50.0	16.4	20.0
Acetone	Ave	0.5116	0.5745	0.1000	281	250	12.3	50.0
Iodomethane	Ave	2.336	2.470		52.9	50.0	5.8	20.0
Carbon disulfide	Ave	3.736	4.235	0.1000	56.7	50.0	13.4	20.0
Allyl chloride	Ave	2.304	2.559		55.5	50.0	11.0	20.0
Methyl acetate	Ave	1.228	1.352	0.1000	110	100	10.1	50.0
Methylene Chloride	Lin1		1.553	0.1000	55.8	50.0	11.7	20.0
2-Methyl-2-propanol	Ave	0.2033	0.2271		559	500	11.7	50.0
Methyl tert-butyl ether	Ave	4.144	4.228	0.1000	51.0	50.0	2.0	20.0
trans-1,2-Dichloroethene	Ave	1.268	1.456	0.1000	57.4	50.0	14.8	20.0
Acrylonitrile	Ave	0.6383	0.7046		552	500	10.4	20.0
Hexane	Ave	2.151	2.438		56.7	50.0	13.4	20.0
1,1-Dichloroethane	Ave	2.460	2.739	0.2000	55.7	50.0	11.3	20.0
Vinyl acetate	Ave	2.922	3.327		114	100	13.8	20.0
2,2-Dichloropropane	Ave	1.264	1.628		64.4	50.0	28.8*	20.0
cis-1,2-Dichloroethene	Ave	1.486	1.605	0.1000	54.0	50.0	8.0	20.0
2-Butanone (MEK)	Ave	0.7454	0.8248	0.1000	277	250	10.6	20.0
Chlorobromomethane	Ave	0.8021	0.8498		53.0	50.0	5.9	20.0
Tetrahydrofuran	Ave	0.5191	0.5574		107	100	7.4	20.0
Chloroform	Ave	2.344	2.592	0.2000	55.3	50.0	10.6	20.0
1,1,1-Trichloroethane	Ave	1.764	2.149	0.1000	60.9	50.0	21.8*	20.0
Cyclohexane	Ave	2.541	2.994	0.1000	58.9	50.0	17.8	20.0
Carbon tetrachloride	Ave	1.425	1.959	0.1000	68.7	50.0	37.4*	20.0
1,1-Dichloropropene	Ave	1.583	1.803		57.0	50.0	13.9	20.0
Benzene	Ave	4.836	5.277	0.5000	54.6	50.0	9.1	20.0
Isobutyl alcohol	Ave	0.0722	0.0863		1490	1250	19.5	50.0
1,2-Dichloroethane	Ave	1.950	2.094	0.1000	53.7	50.0	7.4	20.0
n-Heptane	Ave	2.070	2.376		57.4	50.0	14.8	20.0
Trichloroethene	Ave	1.269	1.390	0.2000	54.8	50.0	9.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213100-1

SDG No.:

Lab Sample ID: CCVIS 480-685724/4 Calibration Date: 10/01/2023 08:26

Instrument ID: HP5977M Calib Start Date: 08/28/2023 11:48

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 08/28/2023 14:15

Lab File ID: M11525.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
Methylcyclohexane	Ave	2.144	2.506	0.1000	58.5	50.0	16.9	20.0
1,2-Dichloropropane	Ave	1.344	1.439	0.1000	53.5	50.0	7.0	20.0
Dibromomethane	Ave	0.8277	0.9063	0.1000	54.7	50.0	9.5	20.0
1,4-Dioxane	Ave	0.0071	0.0069		972	1000	-2.8	50.0
Bromodichloromethane	Ave	1.526	1.829	0.2000	59.9	50.0	19.9	20.0
2-Chloroethyl vinyl ether	Ave	0.7891	0.7935		50.3	50.0	0.5	20.0
cis-1,3-Dichloropropene	Ave	1.838	2.020	0.2000	54.9	50.0	9.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6884	0.6651	0.1000	242	250	-3.4	20.0
Toluene	Ave	1.300	1.239	0.4000	47.6	50.0	-4.7	20.0
trans-1,3-Dichloropropene	Ave	0.7059	0.6826	0.1000	48.3	50.0	-3.3	20.0
Ethyl methacrylate	Ave	0.6201	0.5708		46.0	50.0	-8.0	20.0
1,1,2-Trichloroethane	Ave	0.4025	0.3776	0.1000	46.9	50.0	-6.2	20.0
Tetrachloroethene	Ave	0.5624	0.5601	0.2000	49.8	50.0	-0.4	20.0
1,3-Dichloropropane	Ave	0.8136	0.7441		45.7	50.0	-8.5	20.0
2-Hexanone	Ave	0.4527	0.4274	0.1000	236	250	-5.6	20.0
Dibromochloromethane	Ave	0.4882	0.5470	0.1000	56.0	50.0	12.0	20.0
1,2-Dibromoethane	Ave	0.4975	0.4678		47.0	50.0	-6.0	20.0
Chlorobenzene	Ave	1.550	1.454	0.5000	46.9	50.0	-6.2	20.0
Ethylbenzene	Ave	2.461	2.359	0.1000	47.9	50.0	-4.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5157	0.5651		54.8	50.0	9.6	20.0
m,p-Xylene	Ave	0.9810	0.9385	0.1000	47.8	50.0	-4.3	20.0
o-Xylene	Ave	1.030	0.9869	0.3000	47.9	50.0	-4.2	20.0
Styrene	Ave	1.647	1.526	0.3000	46.3	50.0	-7.4	20.0
Bromoform	Ave	0.3018	0.3549	0.1000	58.8	50.0	17.6	50.0
Isopropylbenzene	Ave	2.268	2.070	0.1000	45.6	50.0	-8.7	20.0
Bromobenzene	Ave	0.6225	0.5340		42.9	50.0	-14.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6279	0.5513	0.3000	43.9	50.0	-12.2	20.0
N-Propylbenzene	Ave	2.638	2.426		46.0	50.0	-8.0	20.0
1,2,3-Trichloropropane	Ave	0.2059	0.1776		43.1	50.0	-13.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2077	0.1933		46.5	50.0	-7.0	50.0
2-Chlorotoluene	Ave	0.5765	0.5245		45.5	50.0	-9.0	20.0
1,3,5-Trimethylbenzene	Ave	2.000	1.820		45.5	50.0	-9.0	20.0
4-Chlorotoluene	Ave	0.5911	0.5226		44.2	50.0	-11.6	20.0
tert-Butylbenzene	Ave	0.4326	0.4007		46.3	50.0	-7.4	20.0
1,2,4-Trimethylbenzene	Ave	2.120	1.912		45.1	50.0	-9.8	20.0
sec-Butylbenzene	Ave	2.513	2.352		46.8	50.0	-6.4	20.0
1,3-Dichlorobenzene	Ave	1.226	1.067	0.6000	43.5	50.0	-12.9	20.0
4-Isopropyltoluene	Ave	2.246	2.098		46.7	50.0	-6.6	20.0
1,4-Dichlorobenzene	Ave	1.258	1.081	0.5000	43.0	50.0	-14.1	20.0
n-Butylbenzene	Ave	1.981	1.860		46.9	50.0	-6.1	20.0
1,2-Dichlorobenzene	Ave	1.243	1.096	0.4000	44.1	50.0	-11.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213100-1

SDG No.:

Lab Sample ID: CCVIS 480-685859/4 Calibration Date: 10/02/2023 19:29

Instrument ID: HP5977M Calib Start Date: 08/28/2023 11:48

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 08/28/2023 14:15

Lab File ID: M11543.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
Dichlorodifluoromethane	Ave	1.644	2.057	0.1000	62.6	50.0	25.2	50.0
Chloromethane	Ave	2.125	2.367	0.1000	55.7	50.0	11.4	20.0
Vinyl chloride	Ave	1.746	1.977	0.1000	56.6	50.0	13.3	20.0
Butadiene	Ave	1.805	2.233		61.9	50.0	23.8*	20.0
Bromomethane	Ave	1.002	1.134	0.1000	56.6	50.0	13.2	50.0
Chloroethane	Ave	0.9687	1.182	0.1000	61.0	50.0	22.0	50.0
Trichlorofluoromethane	Ave	1.885	2.317	0.1000	61.4	50.0	22.9*	20.0
Dichlorofluoromethane	Ave	2.187	2.883		65.9	50.0	31.8*	20.0
Ethyl ether	Ave	1.406	1.381		49.1	50.0	-1.8	20.0
Acrolein	Ave	0.1577	0.1434		227	250	-9.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.315	1.487	0.1000	56.5	50.0	13.1	20.0
1,1-Dichloroethene	Ave	1.088	1.170	0.1000	53.8	50.0	7.5	20.0
Acetone	Ave	0.5116	0.5446	0.1000	266	250	6.5	50.0
Iodomethane	Ave	2.336	2.356		50.4	50.0	0.9	20.0
Carbon disulfide	Ave	3.736	3.965	0.1000	53.1	50.0	6.1	20.0
Allyl chloride	Ave	2.304	2.415		52.4	50.0	4.8	20.0
Methyl acetate	Ave	1.228	1.288	0.1000	105	100	4.9	50.0
Methylene Chloride	Lin1		1.435	0.1000	51.5	50.0	3.1	20.0
2-Methyl-2-propanol	Ave	0.2033	0.2098		516	500	3.2	50.0
Methyl tert-butyl ether	Ave	4.144	4.053	0.1000	48.9	50.0	-2.2	20.0
trans-1,2-Dichloroethene	Ave	1.268	1.387	0.1000	54.7	50.0	9.4	20.0
Acrylonitrile	Ave	0.6383	0.6627		519	500	3.8	20.0
Hexane	Ave	2.151	2.324		54.0	50.0	8.1	20.0
1,1-Dichloroethane	Ave	2.460	2.625	0.2000	53.3	50.0	6.7	20.0
Vinyl acetate	Ave	2.922	3.210		110	100	9.8	20.0
2,2-Dichloropropane	Ave	1.264	1.590		62.9	50.0	25.8*	20.0
cis-1,2-Dichloroethene	Ave	1.486	1.545	0.1000	52.0	50.0	4.0	20.0
2-Butanone (MEK)	Ave	0.7454	0.7883	0.1000	264	250	5.8	20.0
Chlorobromomethane	Ave	0.8021	0.8214		51.2	50.0	2.4	20.0
Tetrahydrofuran	Ave	0.5191	0.5272		102	100	1.6	20.0
Chloroform	Ave	2.344	2.473	0.2000	52.7	50.0	5.5	20.0
1,1,1-Trichloroethane	Ave	1.764	2.110	0.1000	59.8	50.0	19.6	20.0
Cyclohexane	Ave	2.541	2.896	0.1000	57.0	50.0	14.0	20.0
Carbon tetrachloride	Ave	1.425	1.886	0.1000	66.1	50.0	32.3*	20.0
1,1-Dichloropropene	Ave	1.583	1.753		55.4	50.0	10.8	20.0
Benzene	Ave	4.836	5.016	0.5000	51.9	50.0	3.7	20.0
Isobutyl alcohol	Ave	0.0722	0.0808		1400	1250	12.0	50.0
1,2-Dichloroethane	Ave	1.950	1.992	0.1000	51.1	50.0	2.2	20.0
n-Heptane	Ave	2.070	2.281		55.1	50.0	10.2	20.0
Trichloroethene	Ave	1.269	1.362	0.2000	53.7	50.0	7.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-213100-1

SDG No.:

Lab Sample ID: CCVIS 480-685859/4 Calibration Date: 10/02/2023 19:29

Instrument ID: HP5977M Calib Start Date: 08/28/2023 11:48

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 08/28/2023 14:15

Lab File ID: M11543.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
Methylcyclohexane	Ave	2.144	2.410	0.1000	56.2	50.0	12.4	20.0
1,2-Dichloropropane	Ave	1.344	1.352	0.1000	50.3	50.0	0.6	20.0
Dibromomethane	Ave	0.8277	0.8659	0.1000	52.3	50.0	4.6	20.0
1,4-Dioxane	Ave	0.0071	0.0064		911	1000	-8.9	50.0
Bromodichloromethane	Ave	1.526	1.739	0.2000	57.0	50.0	14.0	20.0
2-Chloroethyl vinyl ether	Ave	0.7891	0.7582		48.0	50.0	-3.9	20.0
cis-1,3-Dichloropropene	Ave	1.838	1.914	0.2000	52.1	50.0	4.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6884	0.6220	0.1000	226	250	-9.6	20.0
Toluene	Ave	1.300	1.178	0.4000	45.3	50.0	-9.4	20.0
trans-1,3-Dichloropropene	Ave	0.7059	0.6390	0.1000	45.3	50.0	-9.5	20.0
Ethyl methacrylate	Ave	0.6201	0.5305		42.8	50.0	-14.5	20.0
1,1,2-Trichloroethane	Ave	0.4025	0.3542	0.1000	44.0	50.0	-12.0	20.0
Tetrachloroethene	Ave	0.5624	0.5279	0.2000	46.9	50.0	-6.1	20.0
1,3-Dichloropropane	Ave	0.8136	0.6833		42.0	50.0	-16.0	20.0
2-Hexanone	Ave	0.4527	0.4042	0.1000	223	250	-10.7	20.0
Dibromochloromethane	Ave	0.4882	0.5098	0.1000	52.2	50.0	4.4	20.0
1,2-Dibromoethane	Ave	0.4975	0.4337		43.6	50.0	-12.8	20.0
Chlorobenzene	Ave	1.550	1.366	0.5000	44.0	50.0	-11.9	20.0
Ethylbenzene	Ave	2.461	2.238	0.1000	45.5	50.0	-9.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5157	0.5269		51.1	50.0	2.2	20.0
m,p-Xylene	Ave	0.9810	0.8822	0.1000	45.0	50.0	-10.1	20.0
o-Xylene	Ave	1.030	0.9235	0.3000	44.8	50.0	-10.4	20.0
Styrene	Ave	1.647	1.437	0.3000	43.6	50.0	-12.8	20.0
Bromoform	Ave	0.3018	0.3283	0.1000	54.4	50.0	8.8	50.0
Isopropylbenzene	Ave	2.268	1.972	0.1000	43.5	50.0	-13.0	20.0
Bromobenzene	Ave	0.6225	0.4925		39.6	50.0	-20.9*	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6279	0.5188	0.3000	41.3	50.0	-17.4	20.0
N-Propylbenzene	Ave	2.638	2.284		43.3	50.0	-13.4	20.0
1,2,3-Trichloropropane	Ave	0.2059	0.1662		40.3	50.0	-19.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2077	0.1697		40.8	50.0	-18.3	50.0
2-Chlorotoluene	Ave	0.5765	0.4905		42.5	50.0	-14.9	20.0
1,3,5-Trimethylbenzene	Ave	2.000	1.738		43.5	50.0	-13.1	20.0
4-Chlorotoluene	Ave	0.5911	0.4986		42.2	50.0	-15.7	20.0
tert-Butylbenzene	Ave	0.4326	0.3842		44.4	50.0	-11.2	20.0
1,2,4-Trimethylbenzene	Ave	2.120	1.807		42.6	50.0	-14.8	20.0
sec-Butylbenzene	Ave	2.513	2.234		44.5	50.0	-11.1	20.0
1,3-Dichlorobenzene	Ave	1.226	1.021	0.6000	41.7	50.0	-16.7	20.0
4-Isopropyltoluene	Ave	2.246	1.999		44.5	50.0	-11.0	20.0
1,4-Dichlorobenzene	Ave	1.258	1.033	0.5000	41.0	50.0	-17.9	20.0
n-Butylbenzene	Ave	1.981	1.786		45.1	50.0	-9.8	20.0
1,2-Dichlorobenzene	Ave	1.243	1.036	0.4000	41.7	50.0	-16.7	20.0