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Cover Page

Order ID : Q2818

Project ID : Reserve Turgyan Farms

Client : Earth Engineering Inc.

Lab Sample Number	Client Sample Number
Q2818-01	B-2-5-1
Q2818-02	B-3-5-2

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 8/13/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Earth Engineering Inc.
Project Name: Reserve Turgyan Farms
Project # N/A
Order ID # Q2818
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 08/11/2025

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_W were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial

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Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2818**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **MAHESH PATEL** **Date:** **08/13/2025**

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LAB CHRONICLE

OrderID:	Q2818	**OrderDate:**	8/11/2025 11:57:00 AM
Client:	Earth Engineering Inc.	**Project:**	Reserve Turgyan Farms
Contact:	Frank Dougherty, LSRP	**Location:**	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2818-01	**B-2-5-1**	**SOIL**			**08/11/25**			**08/11/25**
			VOC-TCLVOA-10	8260D			08/11/25	
Q2818-02	**B-3-5-2**	**SOIL**			**08/11/25**			**08/11/25**
			VOC-TCLVOA-10	8260D			08/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2818

Client: Earth Engineering Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**B-2-5-1**							
Q2818-01	B-2-5-1	SOIL	Acetone	13.9	J	5.00	26.6	ug/Kg
			Total Voc :	13.9				
			Total Concentration:	13.9				
Client ID:	**B-3-5-2**							
Q2818-02	B-3-5-2	SOIL	Acetone	10.7	J	5.00	26.5	ug/Kg
			Total Voc :	10.7				
			Total Concentration:	10.7				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2818

Client: Earth Engineering Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q2818-01	B-2-5-1	1,2-Dichloroethane-d4	50	51.5	103		63	155
		Dibromofluoromethane	50	49.6	99		70	134
		Toluene-d8	50	49.7	99		74	123
		4-Bromofluorobenzene	50	51.0	102		17	146
Q2818-02	B-3-5-2	1,2-Dichloroethane-d4	50	56.8	114		63	155
		Dibromofluoromethane	50	53.5	107		70	134
		Toluene-d8	50	50.0	100		74	123
		4-Bromofluorobenzene	50	54.4	109		17	146
VW0811SBL01	VW0811SBL01	1,2-Dichloroethane-d4	50	52.6	105		63	155
		Dibromofluoromethane	50	47.8	96		70	134
		Toluene-d8	50	49.1	98		74	123
		4-Bromofluorobenzene	50	47.4	95		17	146
VW0811SBS01	VW0811SBS01	1,2-Dichloroethane-d4	50	50.8	102		63	155
		Dibromofluoromethane	50	48.9	98		70	134
		Toluene-d8	50	49.8	100		74	123
		4-Bromofluorobenzene	50	52.4	105		17	146
VW0811SBSD0	VW0811SBSD01	1,2-Dichloroethane-d4	50	49.8	100		63	155
		Dibromofluoromethane	50	47.0	94		70	134
		Toluene-d8	50	48.3	97		74	123
		4-Bromofluorobenzene	50	49.8	100		17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** SW8260D

Client: Earth Engineering Inc. **Datafile :** VW032061.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0811SBS01	Dichlorodifluoromethane	20	21.3	ug/Kg	106			64	136	
	Chloromethane	20	20.8	ug/Kg	104			52	151	
	Vinyl chloride	20	21.1	ug/Kg	106			56	148	
	Bromomethane	20	21.5	ug/Kg	108			58	141	
	Chloroethane	20	20.8	ug/Kg	104			69	130	
	Trichlorofluoromethane	20	17.6	ug/Kg	88			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/Kg	101			81	123	
	1,1-Dichloroethene	20	20.4	ug/Kg	102			79	121	
	Acetone	100	120	ug/Kg	120			40	171	
	Carbon disulfide	20	20.2	ug/Kg	101			59	130	
	Methyl tert-butyl Ether	20	21.9	ug/Kg	110			77	129	
	Methyl Acetate	20	21.7	ug/Kg	109			69	149	
	Methylene Chloride	20	21.4	ug/Kg	107			72	131	
	trans-1,2-Dichloroethene	20	20.7	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	21.0	ug/Kg	105			82	123	
	Cyclohexane	20	20.0	ug/Kg	100			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			76	129	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			82	123	
	Bromochloromethane	20	20.5	ug/Kg	103			80	127	
	Chloroform	20	21.1	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	20.7	ug/Kg	104			80	126	
	Methylcyclohexane	20	20.0	ug/Kg	100			77	123	
	Benzene	20	21.0	ug/Kg	105			84	121	
	1,2-Dichloroethane	20	20.9	ug/Kg	104			81	126	
	Trichloroethene	20	20.2	ug/Kg	101			83	122	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			83	122	
	Bromodichloromethane	20	20.4	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	21.0	ug/Kg	105			83	122	
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	20.8	ug/Kg	104			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	20.6	ug/Kg	103			79	125	
	1,2-Dibromoethane	20	21.2	ug/Kg	106			80	125	
	Tetrachloroethene	20	21.1	ug/Kg	106			83	125	
	Chlorobenzene	20	20.2	ug/Kg	101			84	122	
	Ethyl Benzene	20	20.1	ug/Kg	101			82	124	
	m/p-Xylenes	40	40.9	ug/Kg	102			83	124	
	o-Xylene	20	21.2	ug/Kg	106			83	123	
	Styrene	20	20.9	ug/Kg	104			82	124	
	Bromoform	20	19.6	ug/Kg	98			75	127	
	Isopropylbenzene	20	19.9	ug/Kg	100			82	124	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/Kg	101			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104			84	121	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** SW8260D

Client: Earth Engineering Inc. **Datafile :** VW032061.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0811SBS01	1,2-Dibromo-3-Chloropropane	20	20.1	ug/Kg	101			66	134	
	1,2,4-Trichlorobenzene	20	19.5	ug/Kg	98			78	127	
	1,2,3-Trichlorobenzene	20	21.4	ug/Kg	107			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** SW8260D

Client: Earth Engineering Inc. **Datafile :** VW032062.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0811SBSD01	Dichlorodifluoromethane	20	20.4	ug/Kg	102	4		64	136	20
	Chloromethane	20	21.5	ug/Kg	108	4		52	151	20
	Vinyl chloride	20	20.6	ug/Kg	103	3		56	148	20
	Bromomethane	20	21.1	ug/Kg	106	2		58	141	20
	Chloroethane	20	20.9	ug/Kg	104	0		69	130	20
	Trichlorofluoromethane	20	20.7	ug/Kg	104	17		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99	2		81	123	20
	1,1-Dichloroethene	20	20.2	ug/Kg	101	1		79	121	20
	Acetone	100	110	ug/Kg	110	9		40	171	20
	Carbon disulfide	20	20.0	ug/Kg	100	1		59	130	20
	Methyl tert-butyl Ether	20	21.8	ug/Kg	109	1		77	129	20
	Methyl Acetate	20	21.5	ug/Kg	108	1		69	149	20
	Methylene Chloride	20	21.6	ug/Kg	108	1		72	131	20
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103	1		80	123	20
	1,1-Dichloroethane	20	20.5	ug/Kg	103	2		82	123	20
	Cyclohexane	20	20.1	ug/Kg	101	1		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	19.8	ug/Kg	99	1		76	129	20
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104	2		82	123	20
	Bromochloromethane	20	20.0	ug/Kg	100	3		80	127	20
	Chloroform	20	21.0	ug/Kg	105	1		82	125	20
	1,1,1-Trichloroethane	20	20.4	ug/Kg	102	2		80	126	20
	Methylcyclohexane	20	20.1	ug/Kg	101	1		77	123	20
	Benzene	20	20.2	ug/Kg	101	4		84	121	20
	1,2-Dichloroethane	20	20.8	ug/Kg	104	0		81	126	20
	Trichloroethene	20	20.1	ug/Kg	101	0		83	122	20
	1,2-Dichloropropane	20	20.1	ug/Kg	101	4		83	122	20
	Bromodichloromethane	20	20.0	ug/Kg	100	2		82	123	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	10		70	135	20
	Toluene	20	20.5	ug/Kg	103	2		83	122	20
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100	2		78	124	20
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102	2		81	122	20
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104	0		82	125	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20
	Dibromochloromethane	20	20.1	ug/Kg	101	2		79	125	20
	1,2-Dibromoethane	20	20.7	ug/Kg	104	2		80	125	20
	Tetrachloroethene	20	20.5	ug/Kg	103	3		83	125	20
	Chlorobenzene	20	20.2	ug/Kg	101	0		84	122	20
	Ethyl Benzene	20	20.5	ug/Kg	103	2		82	124	20
	m/p-Xylenes	40	40.7	ug/Kg	102	0		83	124	20
	o-Xylene	20	20.4	ug/Kg	102	4		83	123	20
	Styrene	20	20.8	ug/Kg	104	0		82	124	20
	Bromoform	20	20.2	ug/Kg	101	3		75	127	20
	Isopropylbenzene	20	19.5	ug/Kg	98	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	20.5	ug/Kg	103	2		77	127	20
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104	2		83	122	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	0		84	121	20
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104	2		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** SW8260D

Client: Earth Engineering Inc. **Datafile :** VW032062.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0811SBSD01	1,2-Dibromo-3-Chloropropane	20	19.6	ug/Kg	98	3		66	134	20
	1,2,4-Trichlorobenzene	20	20.4	ug/Kg	102	4		78	127	20
	1,2,3-Trichlorobenzene	20	20.6	ug/Kg	103	4		70	137	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW0811SBL01

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

Lab File ID: VW032060.D Lab Sample ID: VW0811SBL01

Date Analyzed: 08/11/2025 Time Analyzed: 12:18

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0811SBS01	VW0811SBS01	VW032061.D	08/11/2025
VW0811SBSD01	VW0811SBSD01	VW032062.D	08/11/2025
B-2-5-1	Q2818-01	VW032069.D	08/11/2025
B-3-5-2	Q2818-02	VW032070.D	08/11/2025

COMMENTS:

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: EARTH03
Lab Code: ACE
SDG NO.: Q2818
Lab File ID: VW032051.D
BFB Injection Date: 08/11/2025
Instrument ID: MSVOA_W
BFB Injection Time: 07:53
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	4.9 (7.3) 1
176	95.0 - 101.0% of mass 174	64.2 (95.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW032052.D	08/11/2025	08:25
VSTDICC010	VSTDICC010	VW032053.D	08/11/2025	09:09
VSTDICC020	VSTDICC020	VW032054.D	08/11/2025	09:47
VSTDICCC050	VSTDICCC050	VW032055.D	08/11/2025	10:09
VSTDICC100	VSTDICC100	VW032056.D	08/11/2025	10:46
VSTDICC150	VSTDICC150	VW032057.D	08/11/2025	11:08
VW0811SBL01	VW0811SBL01	VW032060.D	08/11/2025	12:18
VW0811SBS01	VW0811SBS01	VW032061.D	08/11/2025	12:48
VW0811SBSD01	VW0811SBSD01	VW032062.D	08/11/2025	13:10
B-2-5-1	Q2818-01	VW032069.D	08/11/2025	16:12
B-3-5-2	Q2818-02	VW032070.D	08/11/2025	16:34

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

Lab File ID: VW032055.D Date Analyzed: 08/11/2025

Instrument ID: MSVOA_W Time Analyzed: 10:09

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	223324	7.96	406973	8.85	378090	11.63
UPPER LIMIT	446648	8.459	813946	9.349	756180	12.129
LOWER LIMIT	111662	7.459	203487	8.349	189045	11.129
EPA SAMPLE NO.						
B-2-5-1	174717	7.97	370548	8.86	348814	11.63
B-3-5-2	163499	7.97	344516	8.86	338197	11.63
VW0811SBL01	176404	7.96	391811	8.85	359327	11.64
VW0811SBS01	224181	7.96	427747	8.85	394820	11.63
VW0811SBSD01	226773	7.96	441696	8.85	400240	11.64

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

Lab File ID: VW032055.D Date Analyzed: 08/11/2025

Instrument ID: MSVOA_W Time Analyzed: 10:09

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	178995	13.556				
UPPER LIMIT	357990	14.056				
LOWER LIMIT	89497.5	13.056				
EPA SAMPLE NO.						
B-2-5-1	162398	13.56				
B-3-5-2	164031	13.56				
VW0811SBL01	169733	13.56				
VW0811SBS01	191594	13.56				
VW0811SBSD01	195548	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Raw Data: **VW032069.D**

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.5
Sample Wt/Vol:	5.38 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032069.D	1	08/11/25 16:12	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.30	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.30	ug/Kg
75-01-4	Vinyl Chloride	0.84	U	0.84	5.30	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.30	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.30	ug/Kg
67-64-1	Acetone	13.9	J	5.00	26.6	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.78	U	0.78	5.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.30	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.91	U	0.91	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	5.30	ug/Kg
110-82-7	Cyclohexane	0.84	U	0.84	5.30	ug/Kg
78-93-3	2-Butanone	6.90	U	6.90	26.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.30	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.30	ug/Kg
67-66-3	Chloroform	0.89	U	0.89	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	U	0.99	5.30	ug/Kg
108-87-2	Methylcyclohexane	0.97	U	0.97	5.30	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.84	U	0.84	5.30	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.97	U	0.97	5.30	ug/Kg
75-27-4	Bromodichloromethane	0.83	U	0.83	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.6	ug/Kg
108-88-3	Toluene	0.83	U	0.83	5.30	ug/Kg

Raw Data: **VW032069.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.5
Sample Wt/Vol:	5.38 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032069.D	1	08/11/25 16:12	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.69	U	0.69	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.66	U	0.66	5.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.98	U	0.98	5.30	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	26.6	ug/Kg
124-48-1	Dibromochloromethane	0.92	U	0.92	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.93	U	0.93	5.30	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.30	ug/Kg
108-90-7	Chlorobenzene	0.97	U	0.97	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.30	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.6	ug/Kg
95-47-6	o-Xylene	0.87	U	0.87	5.30	ug/Kg
100-42-5	Styrene	0.75	U	0.75	5.30	ug/Kg
75-25-2	Bromoform	0.91	U	0.91	5.30	ug/Kg
98-82-8	Isopropylbenzene	0.83	U	0.83	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	3.20	5.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	3.40	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	49.7		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		17 - 146	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	7.965			
540-36-3	1,4-Difluorobenzene	371000	8.856			
3114-55-4	Chlorobenzene-d5	349000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.556			

Raw Data: **VW032069.D**

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.5
Sample Wt/Vol:	5.38 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032069.D	1	08/11/25 16:12	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032069.D
Acq On : 11 Aug 2025 16:12
Operator : SY/MD
Sample : Q2818-01
Misc : 5.38g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Quant Time: Aug 12 04:27:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

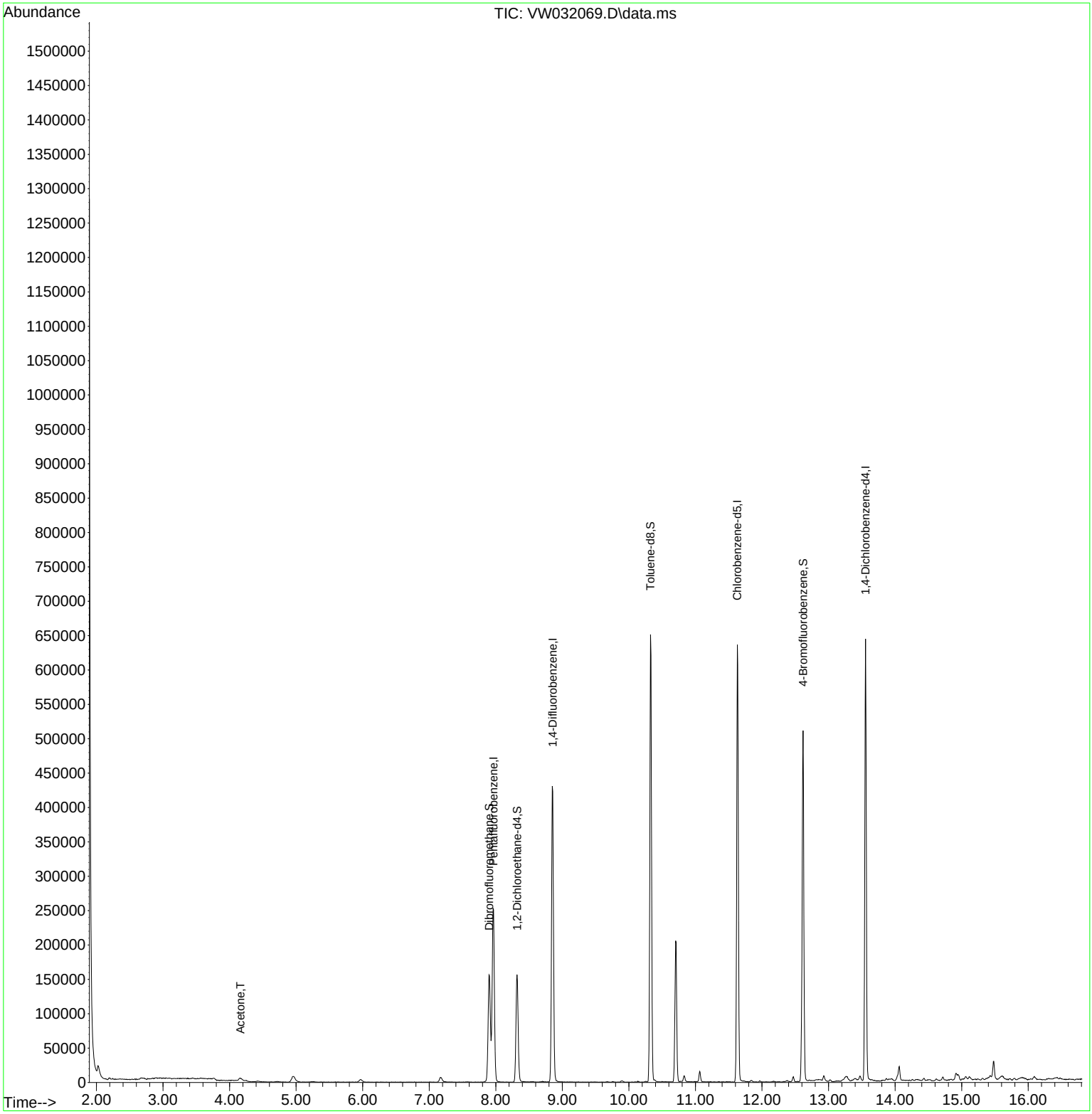
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	174717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	370548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	348814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	162398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130197	51.524	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 103.040%			
35) Dibromofluoromethane	7.898	113	118747	49.604	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.200%			
50) Toluene-d8	10.325	98	439783	49.669	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.340%			
62) 4-Bromofluorobenzene	12.617	95	166429	51.006	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.020%			
Target Compounds						Qvalue
16) Acetone	4.161	43	7642	13.062	ug/l	90

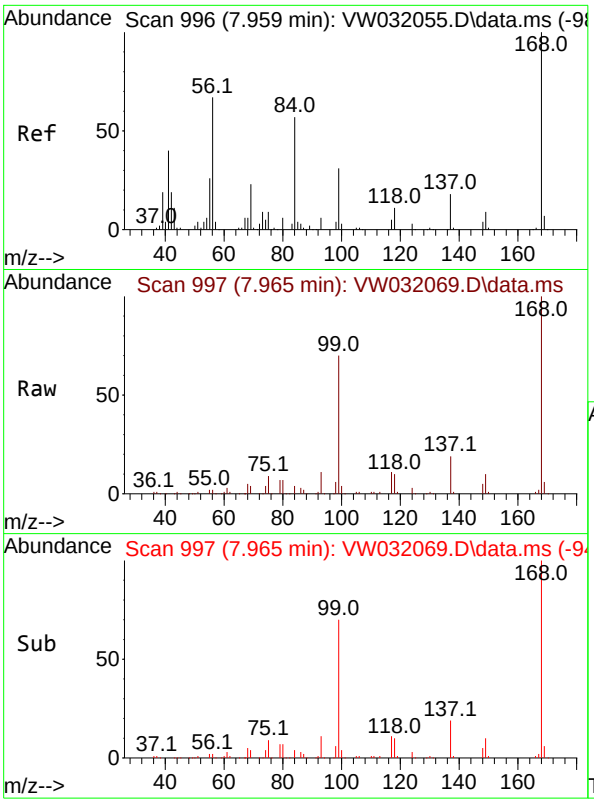
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032069.D
Acq On : 11 Aug 2025 16:12
Operator : SY/MD
Sample : Q2818-01
Misc : 5.38g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Quant Time: Aug 12 04:27:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration



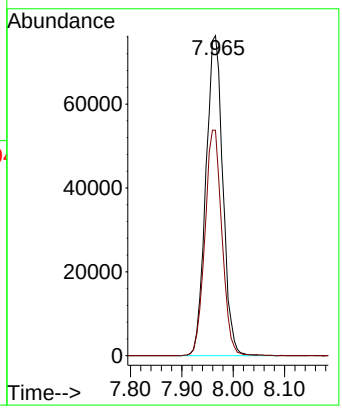


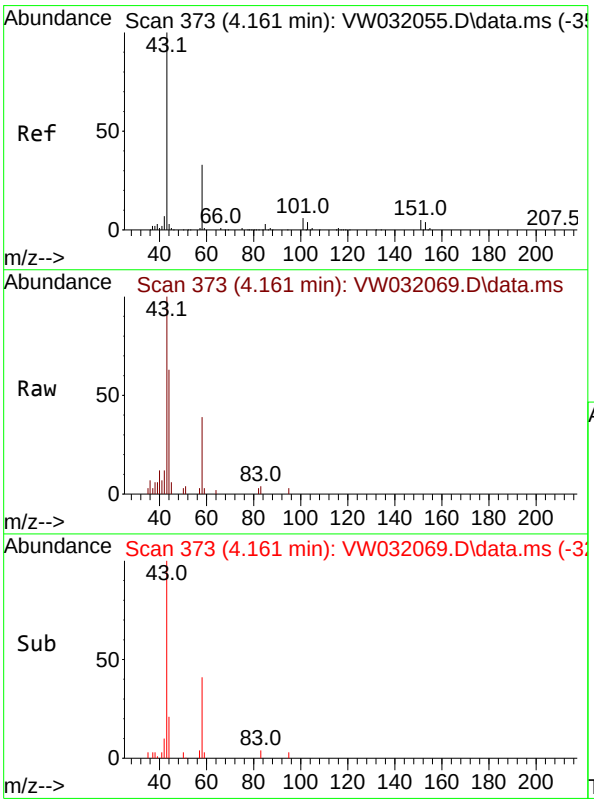
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Tgt Ion:168 Resp: 174717

Ion	Ratio	Lower	Upper
168	100		
99	70.4	56.0	84.0

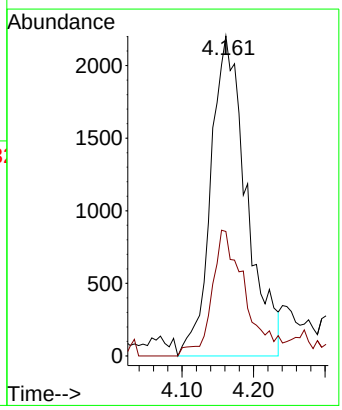


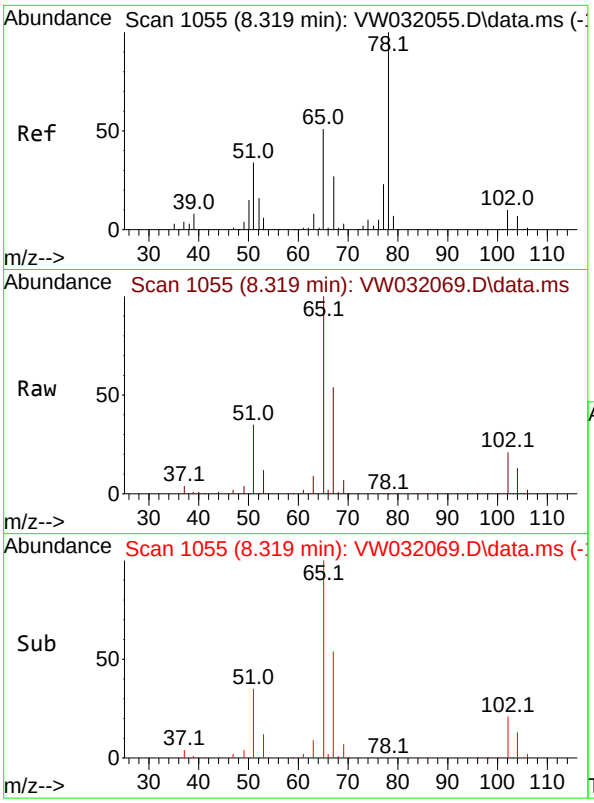


#16
Acetone
Concen: 13.062 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion: 43 Resp: 7642

Ion	Ratio	Lower	Upper
43	100		
58	38.9	26.6	39.8



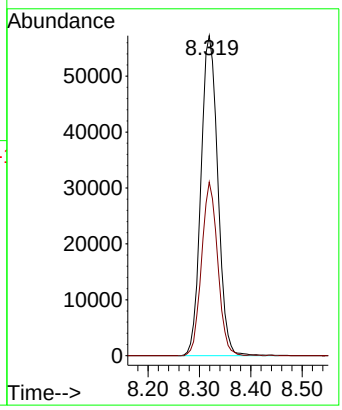


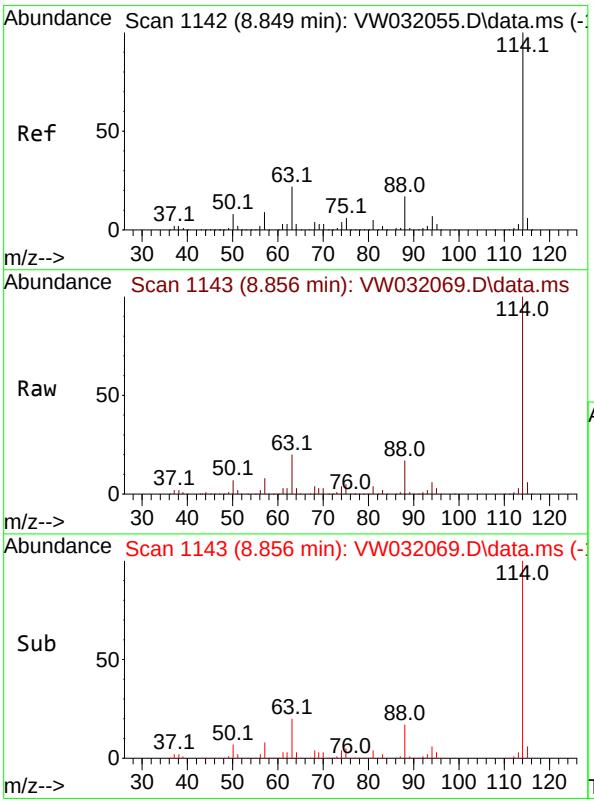
#33
1,2-Dichloroethane-d4
Concen: 51.524 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Tgt Ion: 65 Resp: 130197

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.4

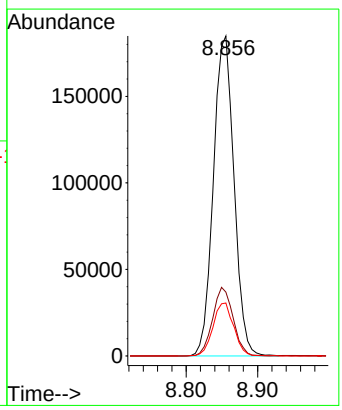


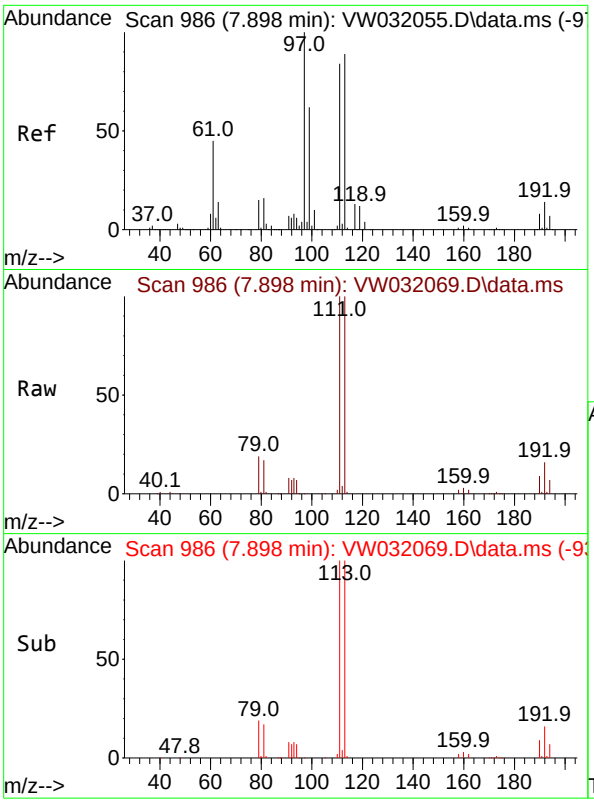


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion:114 Resp: 370548

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	43.0
88	16.5	0.0	33.8



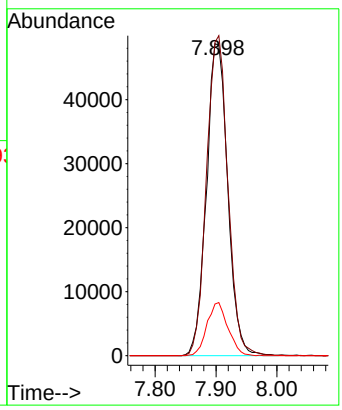


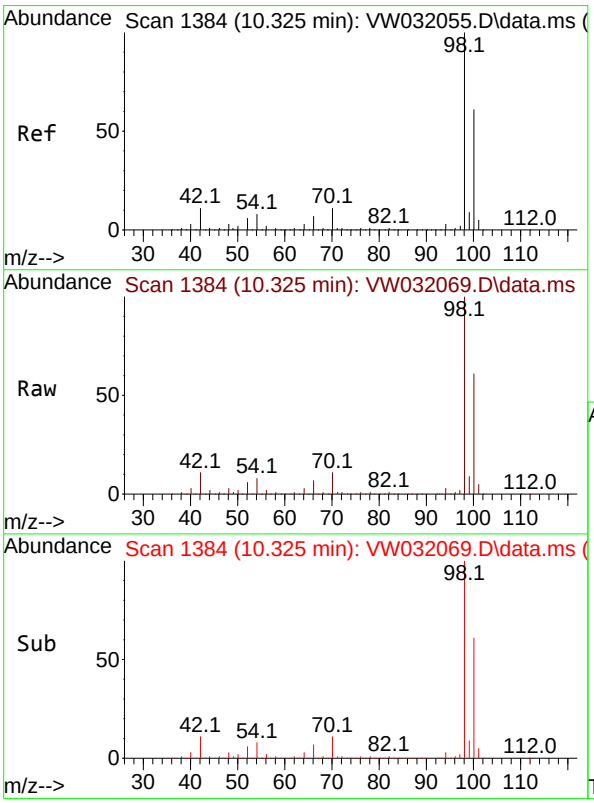
#35
Dibromofluoromethane
Concen: 49.604 ug/l
RT: 7.898 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Tgt Ion:113 Resp: 118747

Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.1	120.1
192	16.7	13.1	19.7

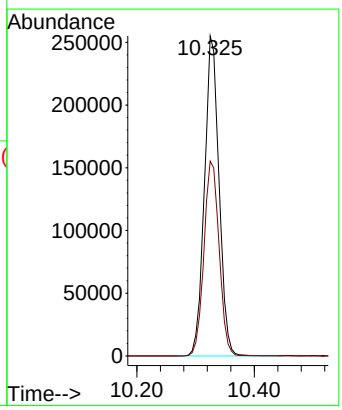


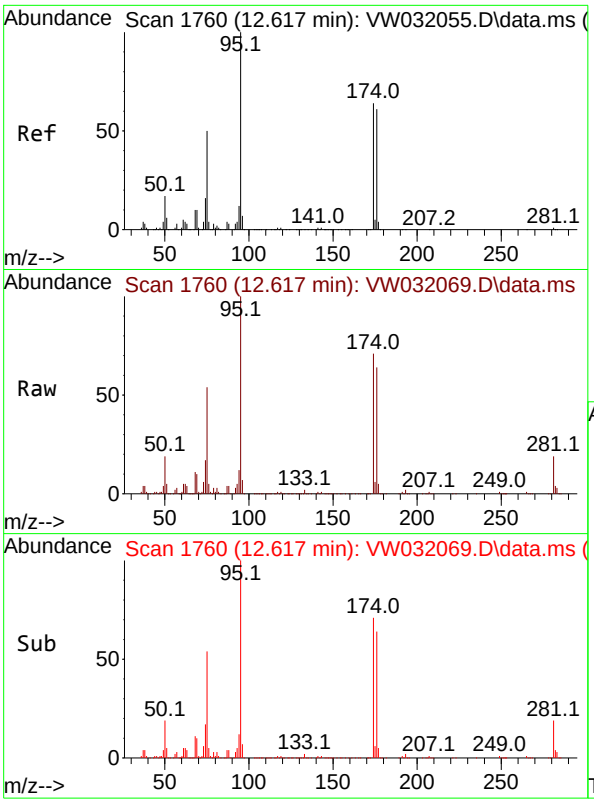


#50
Toluene-d8
Concen: 49.669 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion: 98 Resp: 439783

Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7



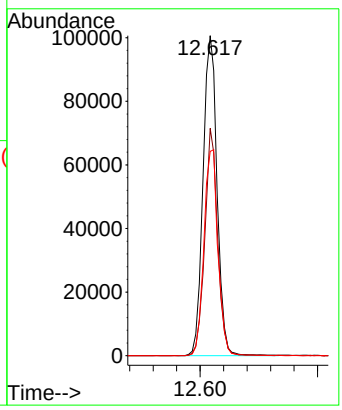


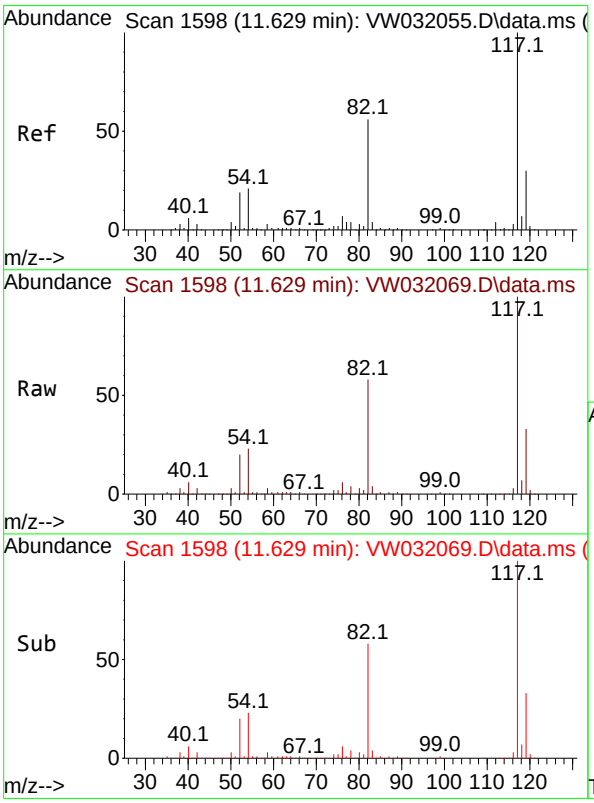
#62
4-Bromofluorobenzene
Concen: 51.006 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Tgt Ion: 95 Resp: 166429

Ion	Ratio	Lower	Upper
95	100		
174	64.9	0.0	129.0
176	64.7	0.0	124.6

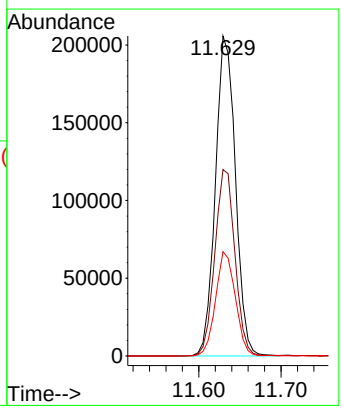


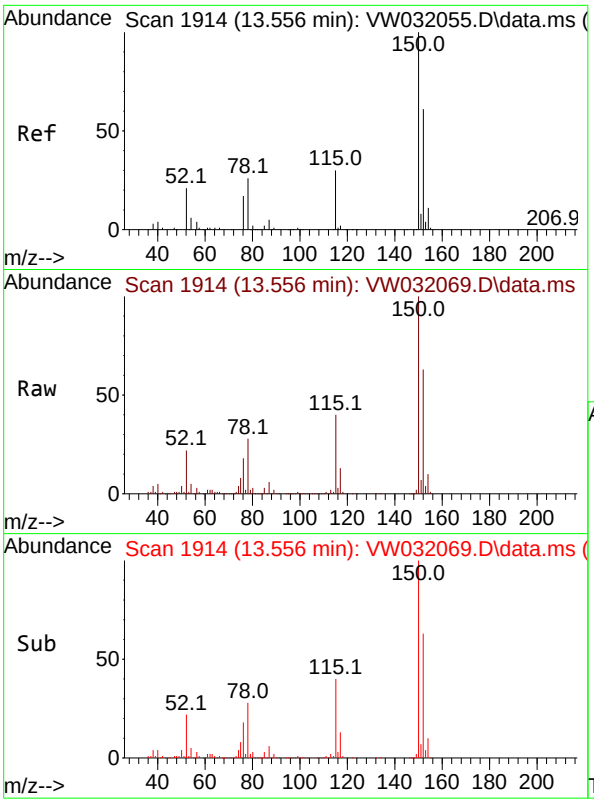


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Tgt Ion:117 Resp: 348814

Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.0	67.4
119	32.6	24.2	36.4



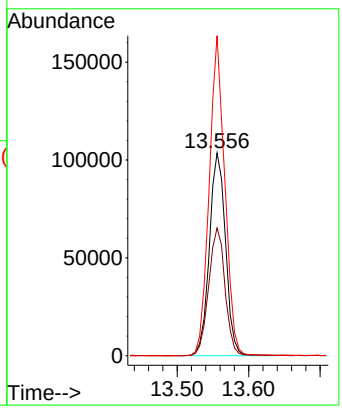


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032069.D
Acq: 11 Aug 2025 16:12

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Tgt Ion:152 Resp: 162398

Ion	Ratio	Lower	Upper
152	100		
115	63.9	32.6	97.8
150	152.7	0.0	359.4



Sample Results: **VW032069.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032069.D
Acq On : 11 Aug 2025 16:12
Operator : SY/MD
Sample : Q2818-01
Misc : 5.38g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260

Signal : TIC: VW032069.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.021	19	22	39	rVB	19107	53091	4.64%	0.753%
2	4.954	491	503	517	rBV3	8266	33746	2.95%	0.478%
3	5.966	660	669	677	rBV6	3760	12275	1.07%	0.174%
4	7.167	856	866	875	rBV3	6883	20654	1.80%	0.293%
5	7.898	970	986	991	rBV	155914	380174	33.20%	5.391%
6	7.959	991	996	1009	rVB	252018	580878	50.72%	8.236%
7	8.319	1047	1055	1071	rBV2	156053	354462	30.95%	5.026%
8	8.849	1132	1142	1152	rBV	430320	878921	76.75%	12.462%
9	10.325	1376	1384	1392	rBV	650828	1145154	100.00%	16.237%
10	10.703	1438	1446	1454	rBV	205293	377762	32.99%	5.356%
11	10.831	1461	1467	1477	rVB2	8734	16304	1.42%	0.231%
12	11.062	1498	1505	1512	rVB2	15186	25229	2.20%	0.358%
13	11.629	1589	1598	1612	rBV	636042	1087788	94.99%	15.424%
14	12.617	1751	1760	1771	rBV2	510186	902246	78.79%	12.793%
15	12.928	1807	1811	1819	rVB6	7721	14102	1.23%	0.200%
16	13.263	1853	1866	1868	rBV10	6975	21085	1.84%	0.299%
17	13.556	1907	1914	1927	rBV	642175	1008070	88.03%	14.293%
18	14.062	1986	1997	2005	rBV2	20576	45572	3.98%	0.646%
19	14.915	2129	2137	2140	rBV6	10132	22199	1.94%	0.315%
20	15.482	2224	2230	2238	rVB	26368	51719	4.52%	0.733%
21	15.610	2241	2251	2261	rVB	5483	21229	1.85%	0.301%

Sum of corrected areas: 7052660

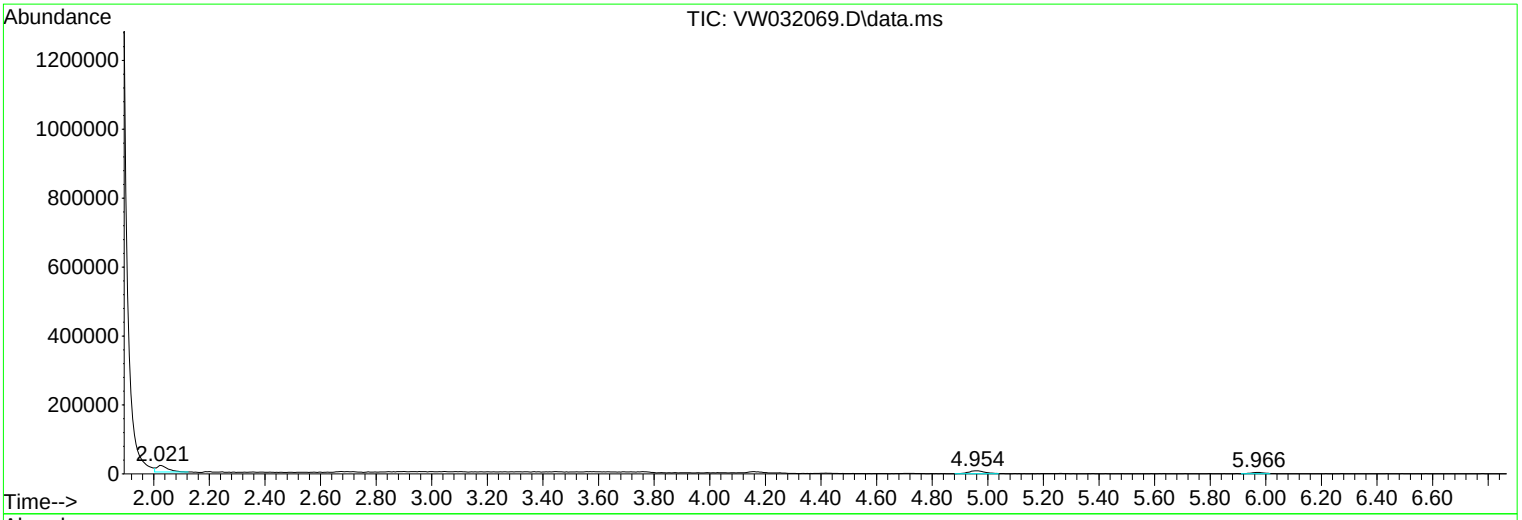
Sample Results: **VW032069.D**

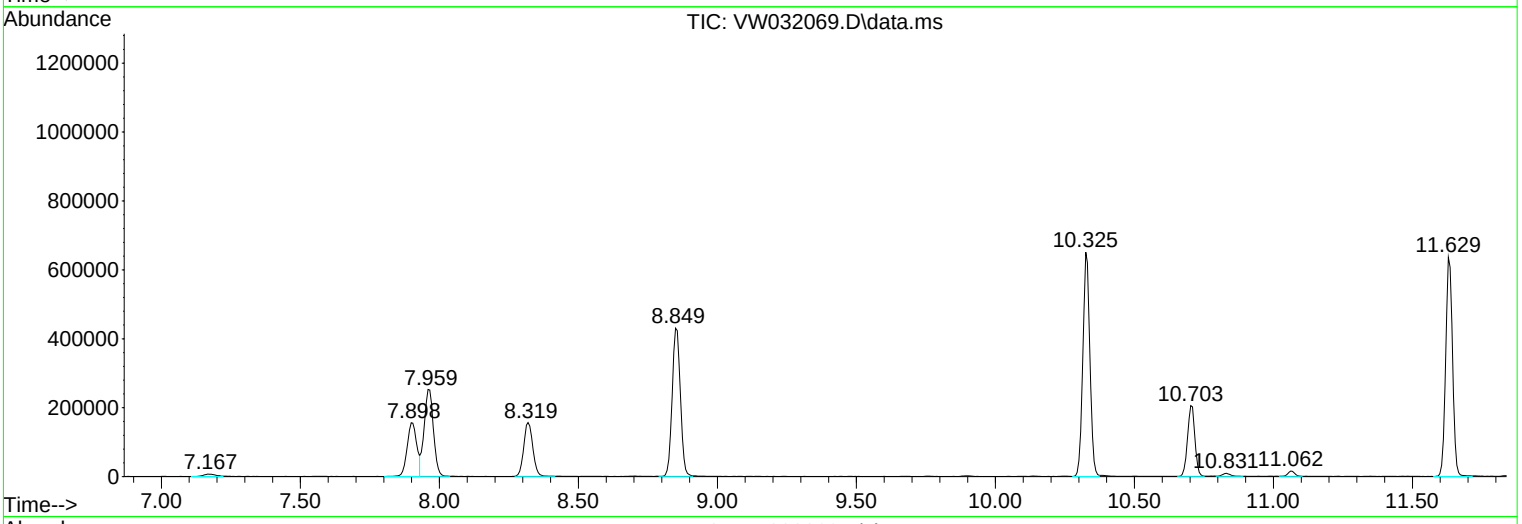
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032069.D
Acq On : 11 Aug 2025 16:12
Operator : SY/MD
Sample : Q2818-01
Misc : 5.38g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

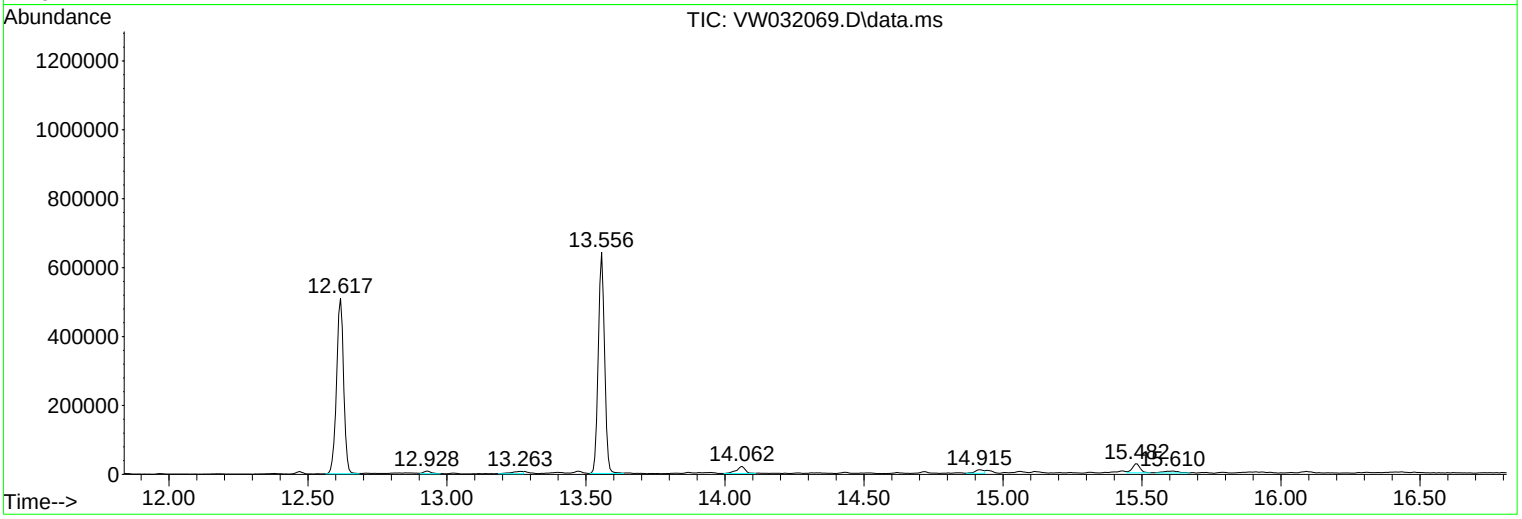
Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Sample Results: **VW032069.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032069.D
Acq On : 11 Aug 2025 16:12
Operator : SY/MD
Sample : Q2818-01
Misc : 5.38g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032069.D
Acq On : 11 Aug 2025 16:12
Operator : SY/MD
Sample : Q2818-01
Misc : 5.38g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-2-5-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VW032070.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.1
Sample Wt/Vol:	5.29 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032070.D	1	08/11/25 16:34	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.30	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.30	ug/Kg
75-01-4	Vinyl Chloride	0.84	U	0.84	5.30	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.30	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.30	ug/Kg
67-64-1	Acetone	10.7	J	5.00	26.5	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.77	U	0.77	5.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.30	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.91	U	0.91	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	5.30	ug/Kg
110-82-7	Cyclohexane	0.84	U	0.84	5.30	ug/Kg
78-93-3	2-Butanone	6.90	U	6.90	26.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.30	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.30	ug/Kg
67-66-3	Chloroform	0.89	U	0.89	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	U	0.99	5.30	ug/Kg
108-87-2	Methylcyclohexane	0.97	U	0.97	5.30	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.84	U	0.84	5.30	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.97	U	0.97	5.30	ug/Kg
75-27-4	Bromodichloromethane	0.83	U	0.83	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.5	ug/Kg
108-88-3	Toluene	0.83	U	0.83	5.30	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.1
Sample Wt/Vol:	5.29 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032070.D	1	08/11/25 16:34	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.69	U	0.69	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.66	U	0.66	5.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.98	U	0.98	5.30	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	26.5	ug/Kg
124-48-1	Dibromochloromethane	0.92	U	0.92	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.93	U	0.93	5.30	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.30	ug/Kg
108-90-7	Chlorobenzene	0.97	U	0.97	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.30	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.6	ug/Kg
95-47-6	o-Xylene	0.87	U	0.87	5.30	ug/Kg
100-42-5	Styrene	0.75	U	0.75	5.30	ug/Kg
75-25-2	Bromoform	0.91	U	0.91	5.30	ug/Kg
98-82-8	Isopropylbenzene	0.83	U	0.83	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	3.20	5.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	3.40	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.8		63 - 155	114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		17 - 146	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	7.965			
540-36-3	1,4-Difluorobenzene	345000	8.855			
3114-55-4	Chlorobenzene-d5	338000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	164000	13.556			

Raw Data: **VW032070.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.1
Sample Wt/Vol:	5.29 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032070.D	1	08/11/25 16:34	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032070.D
Acq On : 11 Aug 2025 16:34
Operator : SY/MD
Sample : Q2818-02
Misc : 5.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Quant Time: Aug 12 04:27:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

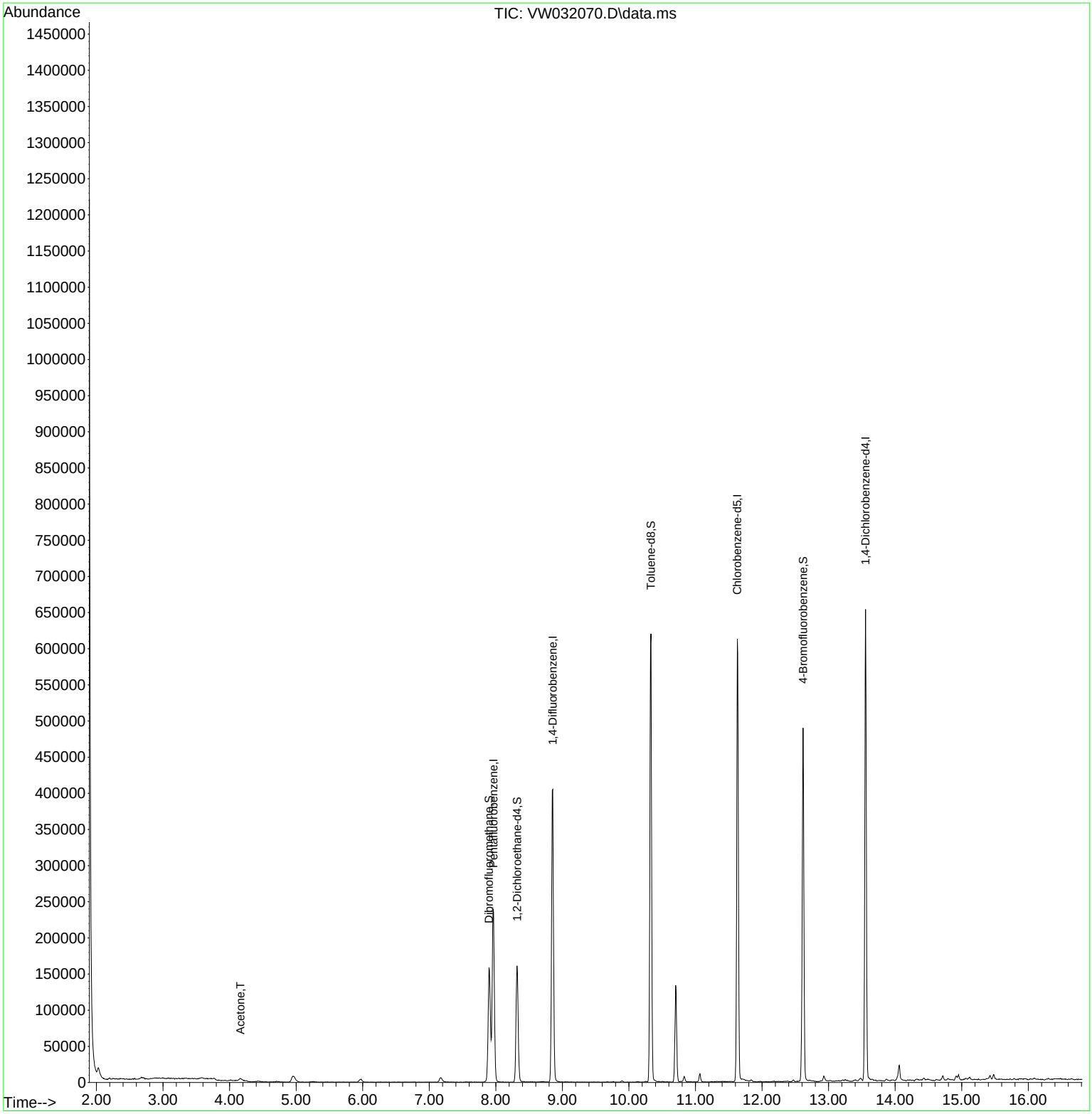
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	163499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	344516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	338197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	164031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	134381	56.829	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 113.660%			
35) Dibromofluoromethane	7.898	113	119002	53.467	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 106.940%			
50) Toluene-d8	10.331	98	411374	49.971	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.940%			
62) 4-Bromofluorobenzene	12.617	95	165115	54.427	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 108.860%			
Target Compounds						Qvalue
16) Acetone	4.161	43	5517	10.077	ug/l #	78

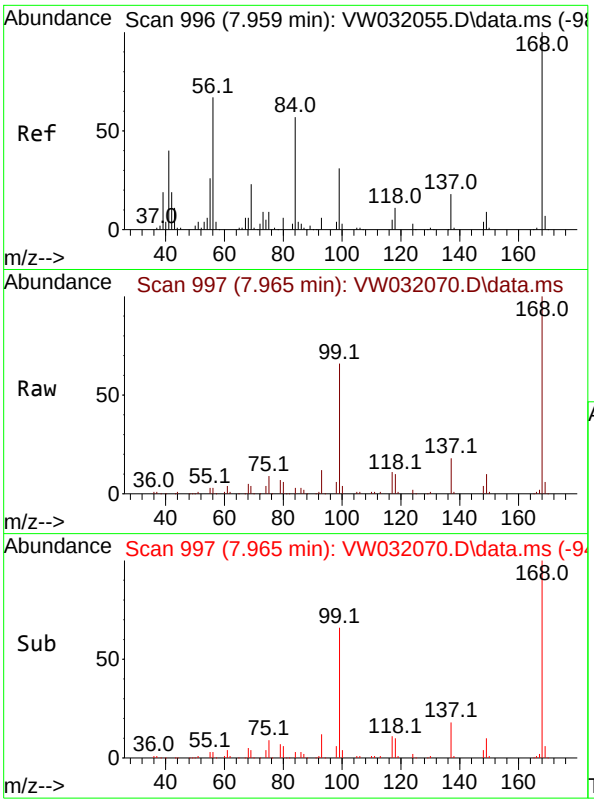
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032070.D
Acq On : 11 Aug 2025 16:34
Operator : SY/MD
Sample : Q2818-02
Misc : 5.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Quant Time: Aug 12 04:27:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration



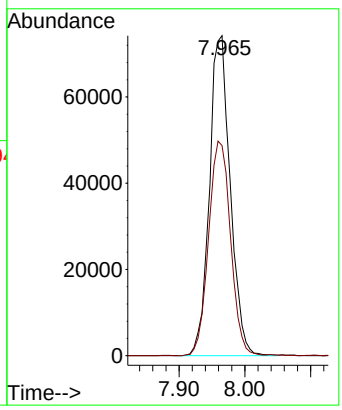


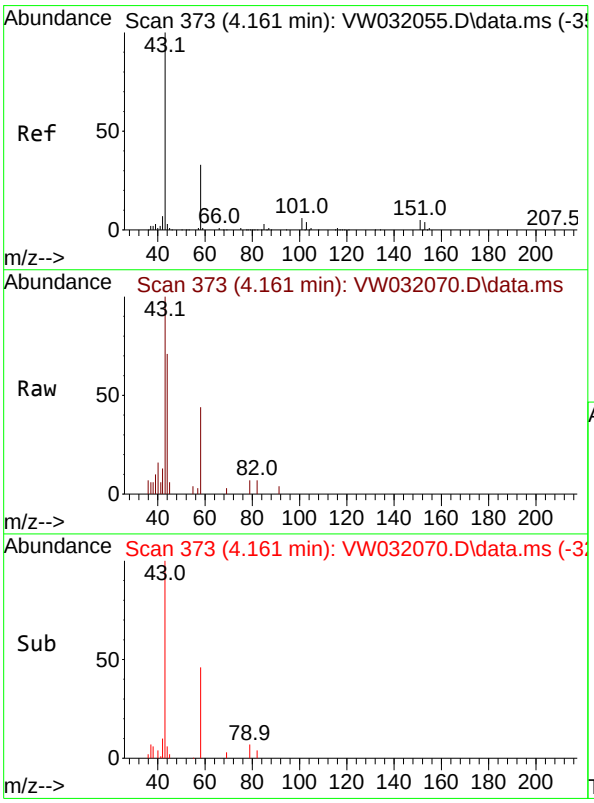
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Tgt Ion:168 Resp: 163499

Ion	Ratio	Lower	Upper
168	100		
99	65.6	56.0	84.0

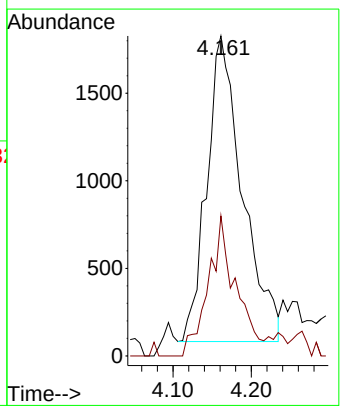


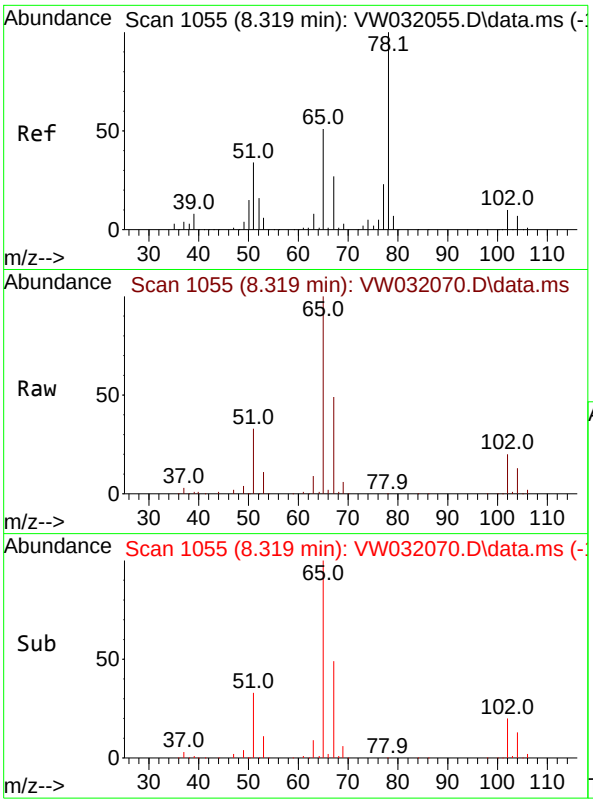


#16
Acetone
Concen: 10.077 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Tgt Ion: 43 Resp: 5517

Ion	Ratio	Lower	Upper
43	100		
58	45.8	26.6	39.8#



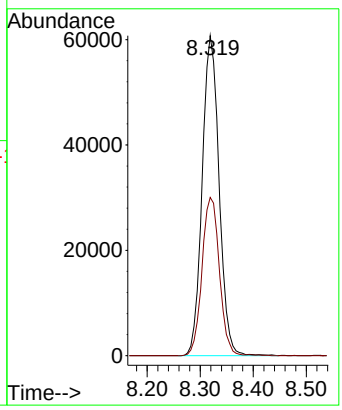


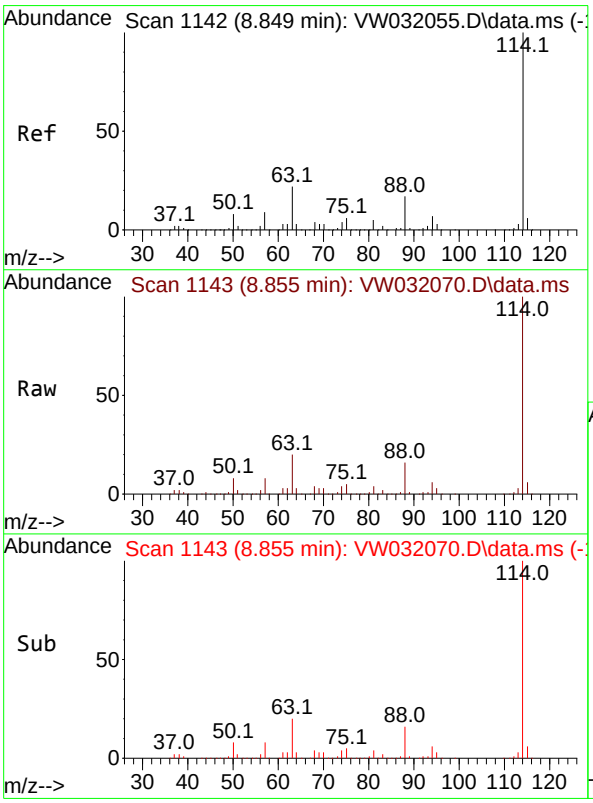
#33
1,2-Dichloroethane-d4
Concen: 56.829 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Tgt Ion: 65 Resp: 134381

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.4

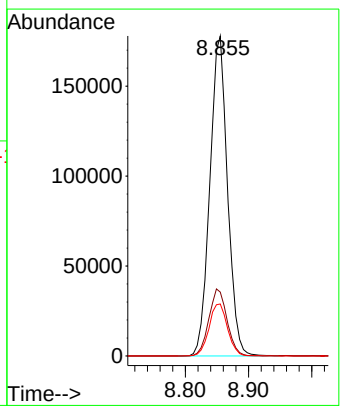


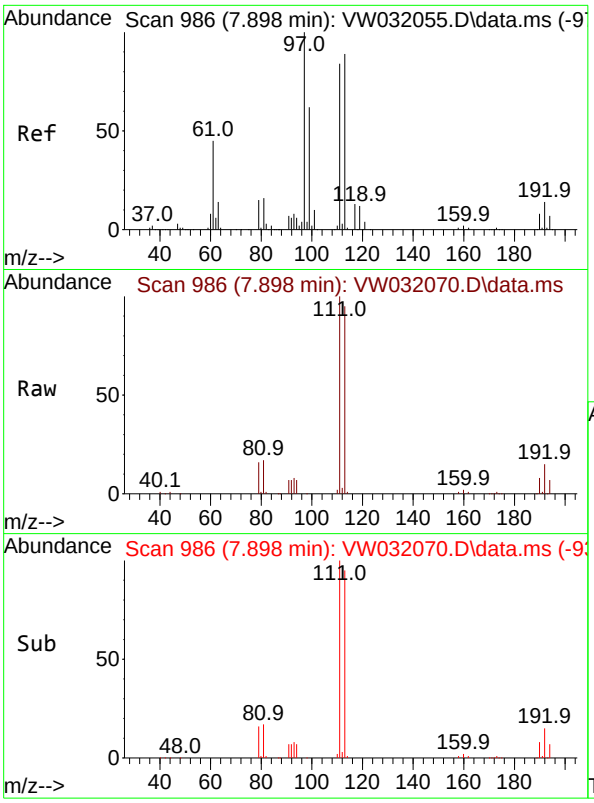


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Tgt Ion:114 Resp: 344516

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.0
88	16.3	0.0	33.8



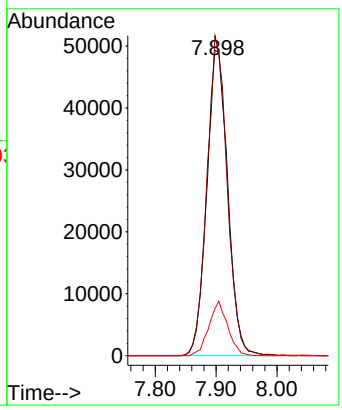


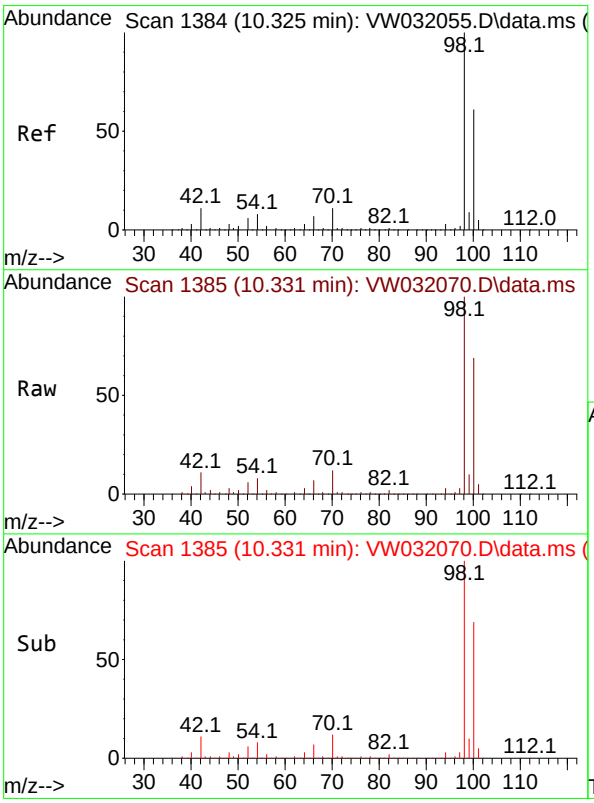
#35
Dibromofluoromethane
Concen: 53.467 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Tgt Ion:113 Resp: 119002

Ion	Ratio	Lower	Upper
113	100		
111	100.4	80.1	120.1
192	15.9	13.1	19.7

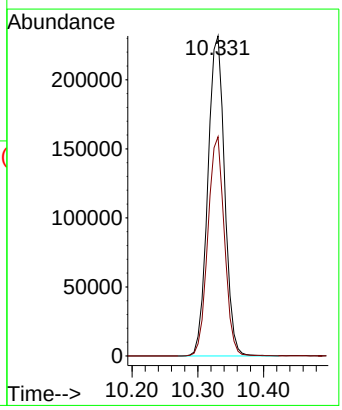


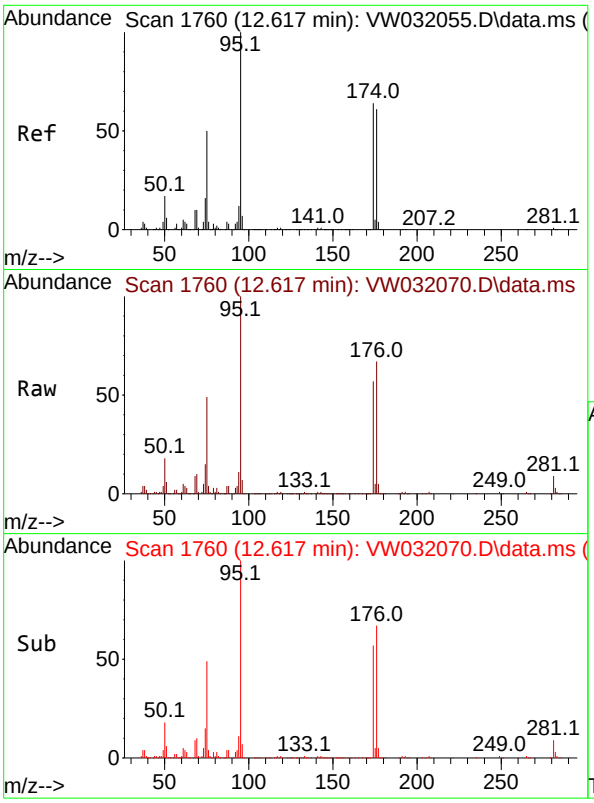


#50
Toluene-d8
Concen: 49.971 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Tgt Ion: 98 Resp: 411374

Ion	Ratio	Lower	Upper
98	100		
100	67.5	51.1	76.7



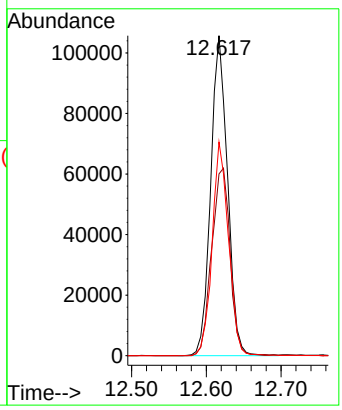


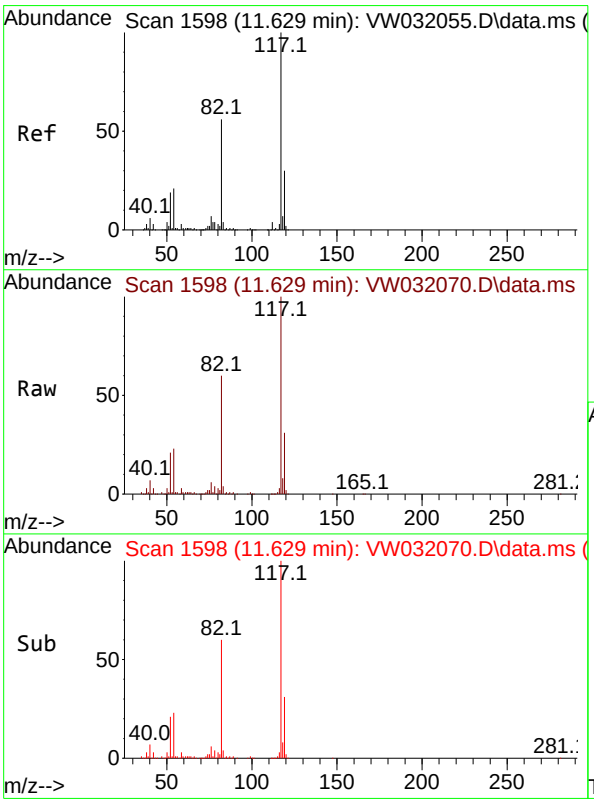
#62
4-Bromofluorobenzene
Concen: 54.427 ug/l
RT: 12.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Tgt Ion: 95 Resp: 165115

Ion	Ratio	Lower	Upper
95	100		
174	64.1	0.0	129.0
176	65.3	0.0	124.6

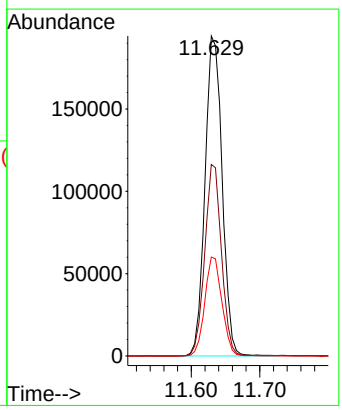


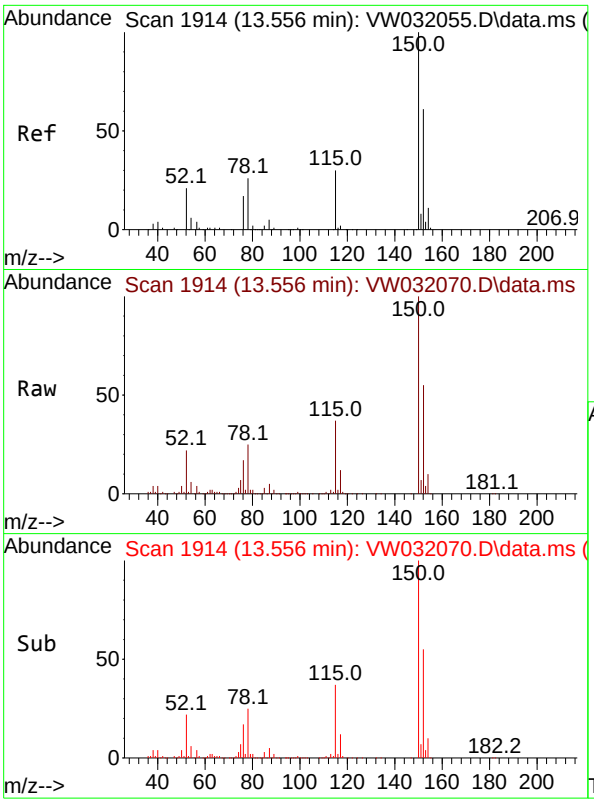


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Tgt Ion:117 Resp: 338197

Ion	Ratio	Lower	Upper
117	100		
82	59.8	45.0	67.4
119	30.9	24.2	36.4



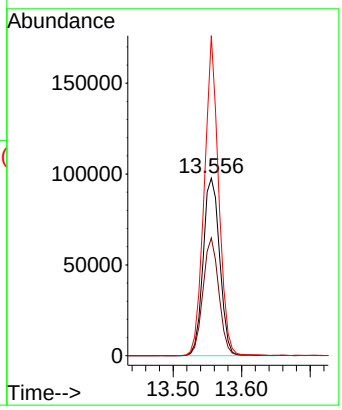


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032070.D
Acq: 11 Aug 2025 16:34

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Tgt Ion:152 Resp: 164031

Ion	Ratio	Lower	Upper
152	100		
115	63.8	32.6	97.8
150	156.4	0.0	359.4



Sample Results: **VW032070.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032070.D
Acq On : 11 Aug 2025 16:34
Operator : SY/MD
Sample : Q2818-02
Misc : 5.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260

Signal : TIC: VW032070.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.027	20	23	37	rVB	15370	41084	3.70%	0.626%
2	4.948	491	502	503	rBV4	8110	14979	1.35%	0.228%
3	7.173	857	867	877	rBV	6294	19447	1.75%	0.296%
4	7.898	972	986	991	rBV	158664	377248	34.01%	5.747%
5	7.959	991	996	1011	rVB	238506	543069	48.97%	8.274%
6	8.319	1046	1055	1065	rBV	160692	360243	32.48%	5.488%
7	8.855	1132	1143	1155	rBV	404698	825170	74.40%	12.571%
8	10.331	1376	1385	1393	rBV	619989	1109091	100.00%	16.897%
9	10.703	1436	1446	1455	rBV	133704	238591	21.51%	3.635%
10	10.831	1460	1467	1473	rVB	7415	13293	1.20%	0.203%
11	11.068	1498	1506	1511	rBV2	11098	18785	1.69%	0.286%
12	11.629	1588	1598	1608	rBV	612068	1059960	95.57%	16.148%
13	12.617	1751	1760	1773	rBV3	488224	843870	76.09%	12.856%
14	13.556	1907	1914	1927	rBV	651878	1041069	93.87%	15.861%
15	14.062	1986	1997	2008	rBV2	21041	45122	4.07%	0.687%
16	14.714	2097	2104	2110	rBV7	6521	12811	1.16%	0.195%

Sum of corrected areas: 6563832

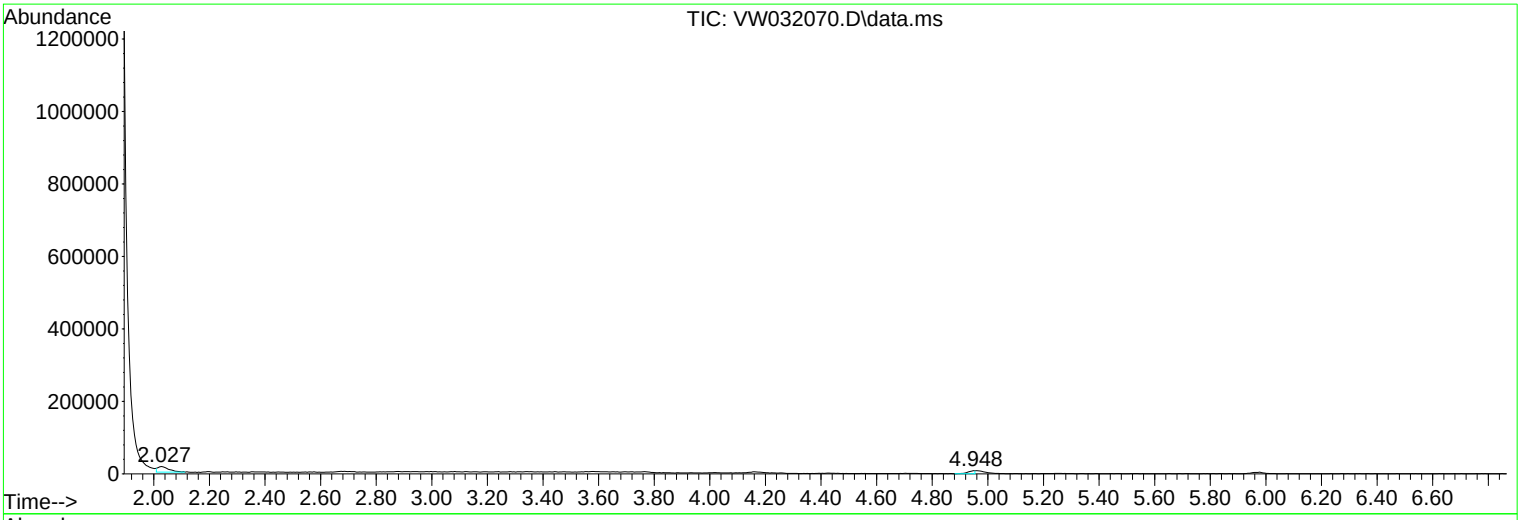
Sample Results: **VW032070.D**

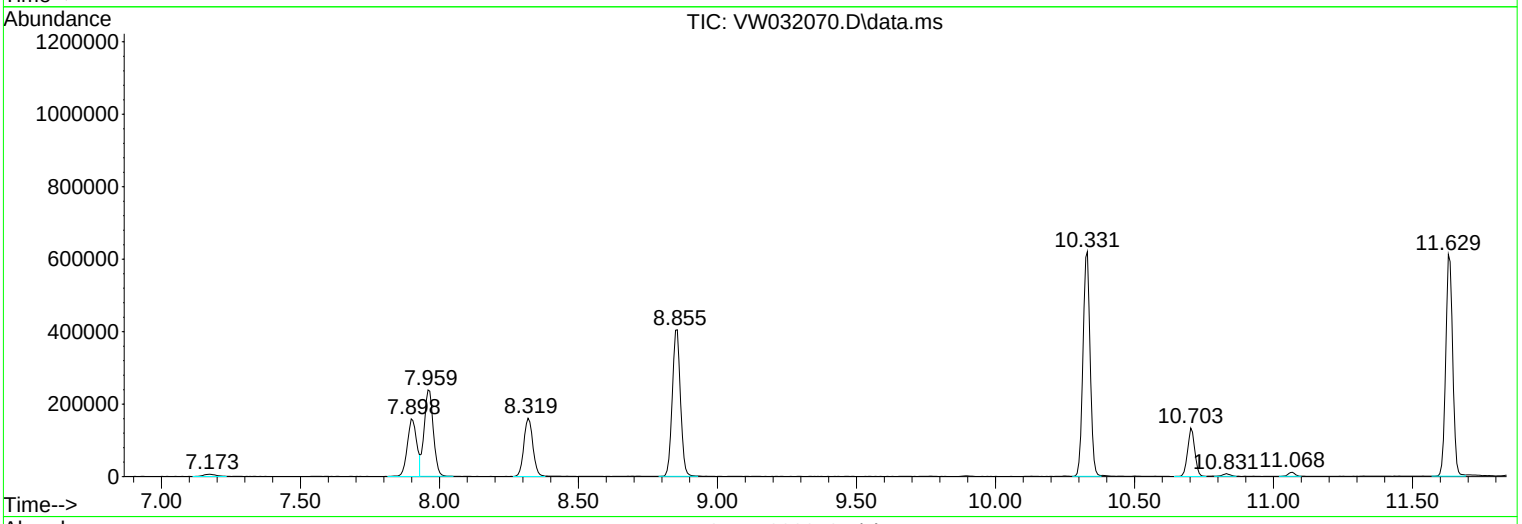
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032070.D
Acq On : 11 Aug 2025 16:34
Operator : SY/MD
Sample : Q2818-02
Misc : 5.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

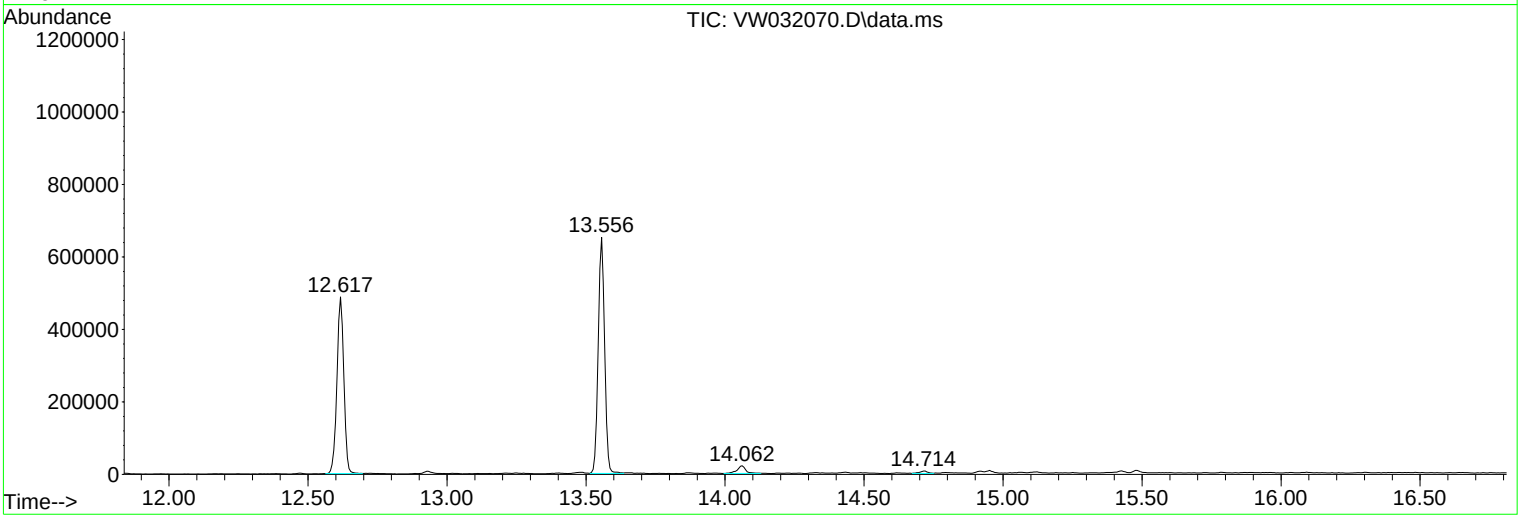
Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Sample Results: **VW032070.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032070.D
Acq On : 11 Aug 2025 16:34
Operator : SY/MD
Sample : Q2818-02
Misc : 5.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032070.D
Acq On : 11 Aug 2025 16:34
Operator : SY/MD
Sample : Q2818-02
Misc : 5.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-3-5-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG No.: Q2818

Instrument ID: MSVOA_W Calibration Date(s): 08/11/2025 08/11/2025

Heated Purge: (Y/N) Y Calibration Time(s): 08:25 11:08

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VW032052.D RRF010 = VW032053.D RRF020 = VW032054.D
RRF050 = VW032055.D RRF100 = VW032056.D RRF150 = VW032057.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.399	0.383	0.385	0.336	0.317	0.325	0.358	9.9
Chloromethane	0.549	0.482	0.501	0.438	0.452	0.469	0.482	8.2
Vinyl Chloride	0.622	0.621	0.646	0.530	0.540	0.537	0.583	9
Bromomethane	0.482	0.452	0.462	0.411	0.413	0.403	0.437	7.5
Chloroethane	0.409	0.389	0.408	0.367	0.373	0.368	0.386	5
Trichlorofluoromethane	0.545	0.436	0.439	0.464	0.413	0.504	0.467	10.6
1,1,2-Trichlorotrifluoroethane	0.616	0.566	0.588	0.517	0.507	0.510	0.551	8.4
1,1-Dichloroethene	0.650	0.620	0.649	0.575	0.568	0.577	0.606	6.3
Acetone	0.203	0.181	0.151	0.163	0.148	0.157	0.167	12.6
Carbon Disulfide	1.694	1.616	1.727	1.557	1.567	1.605	1.628	4.2
Methyl tert-butyl Ether	1.022	1.063	1.085	1.102	1.070	1.068	1.068	2.5
Methyl Acetate	0.485	0.604	0.491	0.555	0.494	0.551	0.530	9
Methylene Chloride	1.043	0.787	0.840	0.681	0.644	0.649	0.774	19.9
trans-1,2-Dichloroethene	0.650	0.641	0.673	0.627	0.636	0.634	0.644	2.6
1,1-Dichloroethane	1.193	1.200	1.249	1.157	1.173	1.161	1.189	2.9
Cyclohexane	1.170	1.080	1.073	0.961	0.941	0.958	1.031	8.9
2-Butanone	0.233	0.241	0.217	0.255	0.233	0.249	0.238	5.7
Carbon Tetrachloride	0.441	0.440	0.451	0.448	0.426	0.430	0.439	2.2
cis-1,2-Dichloroethene	0.711	0.736	0.772	0.749	0.775	0.769	0.752	3.3
Bromochloromethane	0.561	0.542	0.549	0.543	0.521	0.529	0.541	2.6
Chloroform	1.267	1.269	1.324	1.235	1.243	1.223	1.260	2.9
1,1,1-Trichloroethane	0.960	0.949	0.965	0.872	0.869	0.878	0.915	5.1
Methylcyclohexane	0.525	0.540	0.568	0.578	0.540	0.578	0.555	4.1
Benzene	1.399	1.423	1.439	1.469	1.365	1.398	1.415	2.6
1,2-Dichloroethane	0.461	0.467	0.458	0.466	0.429	0.436	0.453	3.6
Trichloroethene	0.353	0.334	0.342	0.339	0.319	0.335	0.337	3.3
1,2-Dichloropropane	0.339	0.342	0.352	0.352	0.327	0.339	0.342	2.8
Bromodichloromethane	0.501	0.499	0.505	0.532	0.498	0.516	0.509	2.6
4-Methyl-2-Pentanone	0.265	0.284	0.258	0.312	0.265	0.287	0.279	7.3
Toluene	0.837	0.882	0.910	0.932	0.887	0.902	0.892	3.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG No.: Q2818

Instrument ID: MSVOA_W Calibration Date(s): 08/11/2025 08/11/2025

Heated Purge: (Y/N) Y Calibration Time(s): 08:25 11:08

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VW032052.D RRF010 = VW032053.D RRF020 = VW032054.D
RRF050 = VW032055.D RRF100 = VW032056.D RRF150 = VW032057.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.430	0.450	0.464	0.515	0.483	0.517	0.476	7.4
cis-1,3-Dichloropropene	0.499	0.516	0.530	0.581	0.552	0.566	0.541	5.8
1,1,2-Trichloroethane	0.297	0.296	0.292	0.306	0.282	0.288	0.293	2.8
2-Hexanone	0.178	0.194	0.177	0.220	0.187	0.202	0.193	8.5
Dibromochloromethane	0.322	0.327	0.330	0.349	0.332	0.349	0.335	3.5
1,2-Dibromoethane	0.282	0.283	0.276	0.299	0.283	0.287	0.285	2.7
Tetrachloroethene	0.293	0.301	0.295	0.279	0.275	0.290	0.289	3.5
Chlorobenzene	1.112	1.116	1.098	1.068	1.043	1.093	1.088	2.6
Ethyl Benzene	1.714	1.806	1.921	1.870	1.830	1.921	1.843	4.3
m/p-Xylenes	0.645	0.707	0.754	0.731	0.702	0.730	0.711	5.3
o-Xylene	0.578	0.639	0.673	0.681	0.675	0.699	0.657	6.6
Styrene	1.004	1.135	1.226	1.211	1.181	1.249	1.168	7.7
Bromoform	0.186	0.189	0.184	0.206	0.188	0.212	0.194	6
Isopropylbenzene	2.910	3.454	3.525	3.657	3.595	3.825	3.494	9
1,1,2,2-Tetrachloroethane	0.803	0.871	0.769	0.872	0.794	0.870	0.830	5.6
1,3-Dichlorobenzene	1.546	1.721	1.684	1.752	1.583	1.679	1.661	4.8
1,4-Dichlorobenzene	1.653	1.733	1.739	1.673	1.625	1.646	1.678	2.8
1,2-Dichlorobenzene	1.455	1.558	1.490	1.528	1.450	1.544	1.504	3.1
1,2-Dibromo-3-Chloropropane	0.151	0.146	0.131	0.159	0.141	0.157	0.147	7.1
1,2,4-Trichlorobenzene	0.794	0.878	0.905	0.920	0.937	0.966	0.900	6.6
1,2,3-Trichlorobenzene	0.714	0.791	0.804	0.836	0.866	0.903	0.819	8
1,2-Dichloroethane-d4	0.746	0.748	0.720	0.716	0.712	0.697	0.723	2.7
Dibromofluoromethane	0.336	0.328	0.326	0.325	0.313	0.311	0.323	3
Toluene-d8	1.175	1.180	1.207	1.245	1.184	1.178	1.195	2.3
4-Bromofluorobenzene	0.428	0.431	0.444	0.460	0.438	0.441	0.440	2.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report MSVOA_W

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W081125S.M
Title : SW846 8260
Last Update : Tue Aug 12 04:04:48 2025
Response Via : Initial Calibration

Calibration Files
5 =VW032052.D 10 =VW032053.D 20 =VW032054.D 50 =VW032055.D 100 =VW032056.D 150 =VW032057.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.399	0.383	0.385	0.336	0.317	0.325	0.358	9.94
3)	P	Chloromethane	0.549	0.482	0.501	0.438	0.452	0.469	0.482	8.23
4)	C	Vinyl Chloride	0.622	0.621	0.646	0.530	0.540	0.537	0.583	8.96#
5)	T	Bromomethane	0.482	0.452	0.462	0.411	0.413	0.403	0.437	7.45
6)	T	Chloroethane	0.409	0.389	0.408	0.367	0.373	0.368	0.386	5.01
7)	T	Trichlorofluor...	0.545	0.436	0.439	0.464	0.413	0.504	0.467	10.57
8)	T	Diethyl Ether	0.391	0.382	0.392	0.380	0.372	0.378	0.382	2.05
9)	T	1,1,2-Trichlor...	0.616	0.566	0.588	0.517	0.507	0.510	0.551	8.37
10)	T	Methyl Iodide	0.789	0.788	0.836	0.748	0.759	0.764	0.781	4.05
11)	T	Tert butyl alc...	0.047	0.048	0.042	0.050	0.045	0.049	0.047	6.50
12)	CM	1,1-Dichloroet...	0.650	0.620	0.649	0.575	0.568	0.577	0.606	6.31#
13)	T	Acrolein	0.087	0.083	0.073	0.071	0.067	0.067	0.075	11.40
14)	T	Allyl chloride	0.887	0.868	0.918	0.862	0.870	0.891	0.883	2.35
15)	T	Acrylonitrile	0.180	0.189	0.170	0.192	0.175	0.187	0.182	4.66
16)	T	Acetone	0.203	0.181	0.151	0.163	0.148	0.157	0.167	12.57
17)	T	Carbon Disulfide	1.694	1.616	1.727	1.557	1.567	1.605	1.628	4.23
18)	T	Methyl Acetate	0.485	0.604	0.491	0.555	0.494	0.551	0.530	8.98
19)	T	Methyl tert-bu...	1.022	1.063	1.085	1.102	1.070	1.068	1.068	2.49
20)	T	Methylene Chlo...	1.043	0.787	0.840	0.681	0.644	0.649	0.774	19.85
21)	T	trans-1,2-Dich...	0.650	0.641	0.673	0.627	0.636	0.634	0.644	2.55
22)	T	Diisopropyl ether	1.724	1.866	1.939	1.888	1.874	1.871	1.860	3.87
23)	T	Vinyl Acetate	1.104	1.150	1.217	1.299	1.266	1.293	1.222	6.56
24)	P	1,1-Dichloroet...	1.193	1.200	1.249	1.157	1.173	1.161	1.189	2.88
25)	T	2-Butanone	0.233	0.241	0.217	0.255	0.233	0.249	0.238	5.68
26)	T	2,2-Dichloropr...	0.635	0.610	0.606	0.579	0.563	0.585	0.596	4.32
27)	T	cis-1,2-Dichlo...	0.711	0.736	0.772	0.749	0.775	0.769	0.752	3.35
28)	T	Bromochloromet...	0.561	0.542	0.549	0.543	0.521	0.529	0.541	2.63
29)	T	Tetrahydrofuran	0.150	0.159	0.145	0.171	0.153	0.163	0.157	5.96
30)	C	Chloroform	1.267	1.269	1.324	1.235	1.243	1.223	1.260	2.87#
31)	T	Cyclohexane	1.170	1.080	1.073	0.961	0.941	0.958	1.031	8.88
32)	T	1,1,1-Trichlor...	0.960	0.949	0.965	0.872	0.869	0.878	0.915	5.14
33)	S	1,2-Dichloroet...	0.746	0.748	0.720	0.716	0.712	0.697	0.723	2.75
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.336	0.328	0.326	0.325	0.313	0.311	0.323	2.97
36)	T	1,1-Dichloropr...	0.458	0.457	0.472	0.467	0.439	0.439	0.455	3.00
37)	T	Ethyl Acetate	0.268	0.270	0.241	0.294	0.261	0.276	0.268	6.54
38)	T	Carbon Tetrach...	0.441	0.440	0.451	0.448	0.426	0.430	0.439	2.21
39)	T	Methylcyclohexane	0.525	0.540	0.568	0.578	0.540	0.578	0.555	4.12
40)	TM	Benzene	1.399	1.423	1.439	1.469	1.365	1.398	1.415	2.56
41)	T	Methacrylonitrile	0.139	0.137	0.146	0.167	0.160	0.162	0.152	8.40
42)	TM	1,2-Dichloroet...	0.461	0.467	0.458	0.466	0.429	0.436	0.453	3.59
43)	T	Isopropyl Acetate	0.469	0.481	0.460	0.538	0.486	0.526	0.493	6.37
44)	TM	Trichloroethene	0.353	0.334	0.342	0.339	0.319	0.335	0.337	3.34
45)	C	1,2-Dichloropr...	0.339	0.342	0.352	0.352	0.327	0.339	0.342	2.77#
46)	T	Dibromomethane	0.230	0.219	0.219	0.229	0.209	0.219	0.221	3.39
47)	T	Bromodichlorom...	0.501	0.499	0.505	0.532	0.498	0.516	0.509	2.60
48)	T	Methyl methacr...	0.211	0.230	0.223	0.266	0.238	0.261	0.238	9.10
49)	T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003	9.50
50)	S	Toluene-d8	1.175	1.180	1.207	1.245	1.184	1.178	1.195	2.28
51)	T	4-Methyl-2-Pen...	0.265	0.284	0.258	0.312	0.265	0.287	0.279	7.26
52)	CM	Toluene	0.837	0.882	0.910	0.932	0.887	0.902	0.892	3.63#
53)	T	t-1,3-Dichloro...	0.430	0.450	0.464	0.515	0.483	0.517	0.476	7.39
54)	T	cis-1,3-Dichlo...	0.499	0.516	0.530	0.581	0.552	0.566	0.541	5.78
55)	T	1,1,2-Trichlor...	0.297	0.296	0.292	0.306	0.282	0.288	0.293	2.78
56)	T	Ethyl methacry...	0.339	0.363	0.366	0.440	0.410	0.437	0.392	10.78

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W081125S.M

57)	T	1,3-Dichloropr...	0.510	0.524	0.506	0.533	0.486	0.509	0.511	3.15
58)	T	2-Chloroethyl ...	0.198	0.208	0.206	0.241	0.223	0.227	0.217	7.42
59)	T	2-Hexanone	0.178	0.194	0.177	0.220	0.187	0.202	0.193	8.48
60)	T	Dibromochlorom...	0.322	0.327	0.330	0.349	0.332	0.349	0.335	3.49
61)	T	1,2-Dibromoethane	0.282	0.283	0.276	0.299	0.283	0.287	0.285	2.67
62)	S	4-Bromofluorob...	0.428	0.431	0.444	0.460	0.438	0.441	0.440	2.60
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.293	0.301	0.295	0.279	0.275	0.290	0.289	3.46
65)	PM	Chlorobenzene	1.112	1.116	1.097	1.068	1.043	1.093	1.088	2.58
66)	T	1,1,1,2-Tetrac...	0.333	0.341	0.342	0.339	0.327	0.355	0.340	2.85
67)	C	Ethyl Benzene	1.714	1.806	1.921	1.870	1.830	1.921	1.843	4.27#
68)	T	m/p-Xylenes	0.645	0.707	0.754	0.731	0.702	0.730	0.711	5.25
69)	T	o-Xylene	0.578	0.639	0.673	0.681	0.675	0.699	0.657	6.65
70)	T	Styrene	1.004	1.135	1.226	1.211	1.181	1.249	1.168	7.65
71)	P	Bromoform	0.186	0.189	0.184	0.206	0.188	0.212	0.194	6.05
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.910	3.454	3.525	3.657	3.595	3.825	3.494	8.96
74)	T	N-amyl acetate	0.829	0.983	0.903	1.113	1.048	1.140	1.003	12.11
75)	P	1,1,2,2-Tetrac...	0.803	0.871	0.769	0.872	0.794	0.870	0.830	5.62
76)	T	1,2,3-Trichlor...	0.702	0.703	0.672	0.769	0.578	0.648	0.679	9.43
77)	T	Bromobenzene	0.746	0.873	0.802	0.873	0.860	0.852	0.835	6.07
78)	T	n-propylbenzene	3.663	4.310	4.404	4.500	4.396	4.539	4.302	7.52
79)	T	2-Chlorotoluene	2.380	2.674	2.664	2.741	2.695	2.776	2.655	5.31
80)	T	1,3,5-Trimethy...	2.519	2.982	3.000	3.103	3.023	3.172	2.967	7.77
81)	T	trans-1,4-Dich...	0.230	0.246	0.229	0.289	0.274	0.305	0.262	12.22
82)	T	4-Chlorotoluene	2.579	2.850	2.857	2.905	2.804	2.931	2.821	4.49
83)	T	tert-Butylbenzene	2.031	2.395	2.537	2.583	2.550	2.675	2.462	9.34
84)	T	1,2,4-Trimethy...	2.533	3.053	3.137	3.198	3.013	3.185	3.020	8.25
85)	T	sec-Butylbenzene	3.263	3.631	3.824	3.858	3.796	3.961	3.722	6.70
86)	T	p-Isopropyltol...	2.637	3.049	3.202	3.295	3.123	3.313	3.103	8.03
87)	T	1,3-Dichlorobe...	1.546	1.721	1.684	1.752	1.583	1.679	1.661	4.83
88)	T	1,4-Dichlorobe...	1.653	1.733	1.739	1.673	1.625	1.646	1.678	2.83
89)	T	n-Butylbenzene	2.606	2.979	3.064	3.181	3.052	3.206	3.015	7.21
90)	T	Hexachloroethane	0.527	0.556	0.565	0.567	0.567	0.624	0.568	5.55
91)	T	1,2-Dichlorobe...	1.455	1.558	1.490	1.528	1.450	1.544	1.504	3.07
92)	T	1,2-Dibromo-3-...	0.151	0.146	0.131	0.159	0.141	0.157	0.147	7.12
93)	T	1,2,4-Trichlor...	0.794	0.878	0.905	0.920	0.937	0.966	0.900	6.63
94)	T	Hexachlorobuta...	0.412	0.413	0.397	0.385	0.383	0.424	0.402	4.10
95)	T	Naphthalene	1.760	2.104	2.001	2.430	2.327	2.608	2.205	14.02
96)	T	1,2,3-Trichlor...	0.714	0.791	0.804	0.836	0.866	0.903	0.819	8.04

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032052.D
Acq On : 11 Aug 2025 08:25
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 12 03:36:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda
08/12/2025
Supervised By :Semsettin Yesilyurt
08/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	225574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	424617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	391234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	196943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	16827	5.158	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 10.320%#			
35) Dibromofluoromethane	7.898	113	14278	5.205	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 10.400%#			
50) Toluene-d8	10.331	98	49876	4.916	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 9.840%#			
62) 4-Bromofluorobenzene	12.617	95	18184	4.863	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 9.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	9007	5.583	ug/l	100
3) Chloromethane	2.253	50	12377	5.695	ug/l	95
4) Vinyl Chloride	2.399	62	14029	5.337	ug/l	91
5) Bromomethane	2.826	94	10878	5.516	ug/l	95
6) Chloroethane	2.966	64	9219	5.300	ug/l	98
7) Trichlorofluoromethane	3.302	101	12298	5.840	ug/l	94
8) Diethyl Ether	3.716	74	8824	5.114	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	13903	5.596	ug/l	94
10) Methyl Iodide	4.301	142	17789	5.050	ug/l	99
11) Tert butyl alcohol	5.222	59	5328	25.221	ug/l	94
12) 1,1-Dichloroethene	4.076	96	14655	5.357	ug/l	94
13) Acrolein	3.929	56	9831	29.207	ug/l	89
14) Allyl chloride	4.698	41	19999	5.023	ug/l	98
15) Acrylonitrile	5.399	53	20340	24.751	ug/l	99
16) Acetone	4.161	43	22915	30.337	ug/l	99
17) Carbon Disulfide	4.417	76	38213	5.204	ug/l	96
18) Methyl Acetate	4.704	43	10943	4.578	ug/l #	76
19) Methyl tert-butyl Ether	5.460	73	23062	4.785	ug/l	99
20) Methylene Chloride	4.954	84	23529	6.737	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	14671	5.053	ug/l	93
22) Diisopropyl ether	6.338	45	38895	4.634	ug/l	94
23) Vinyl Acetate	6.283	43	124477	22.588	ug/l	98
24) 1,1-Dichloroethane	6.246	63	26909	5.018	ug/l	99
25) 2-Butanone	7.197	43	26284	24.484	ug/l	100
26) 2,2-Dichloropropane	7.185	77	14330	5.326	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	16041	4.727	ug/l	98
28) Bromochloromethane	7.526	49	12660	5.188	ug/l	98
29) Tetrahydrofuran	7.551	42	16965	23.963	ug/l	96
30) Chloroform	7.691	83	28586	5.028	ug/l	99
31) Cyclohexane	7.959	56	26393	5.677	ug/l #	83
32) 1,1,1-Trichloroethane	7.880	97	21662	5.246	ug/l	96
36) 1,1-Dichloropropene	8.099	75	19468	5.034	ug/l	99
37) Ethyl Acetate	7.276	43	11365	4.990	ug/l	99
38) Carbon Tetrachloride	8.081	117	18734	5.020	ug/l	92
39) Methylcyclohexane	9.337	83	22284	4.728	ug/l	94
40) Benzene	8.331	78	59395	4.941	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032052.D
Acq On : 11 Aug 2025 08:25
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 12 03:36:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda
08/12/2025
Supervised By :Semsettin Yesilyurt
08/12/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.496	41	5910	4.576 ug/l #	95
42) 1,2-Dichloroethane	8.410	62	19560	5.085 ug/l	99
43) Isopropyl Acetate	8.435	43	19928	4.756 ug/l	98
44) Trichloroethene	9.093	130	14999	5.240 ug/l	93
45) 1,2-Dichloropropane	9.374	63	14387	4.954 ug/l	98
46) Dibromomethane	9.465	93	9753	5.204 ug/l	97
47) Bromodichloromethane	9.648	83	21279	4.927 ug/l	100
48) Methyl methacrylate	9.441	41	8949	4.424 ug/l	97
49) 1,4-Dioxane	9.465	88	2259	93.217 ug/l #	85
51) 4-Methyl-2-Pentanone	10.215	43	56184	23.755 ug/l	98
52) Toluene	10.386	92	35525	4.692 ug/l	96
53) t-1,3-Dichloropropene	10.611	75	18259	4.513 ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	21173	4.612 ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	12594	5.057 ug/l	95
56) Ethyl methacrylate	10.648	69	14387	4.317 ug/l	95
57) 1,3-Dichloropropane	10.934	76	21654	4.988 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	41991	22.777 ug/l	98
59) 2-Hexanone	10.971	43	37796	23.074 ug/l	95
60) Dibromochloromethane	11.129	129	13654	4.799 ug/l	98
61) 1,2-Dibromoethane	11.239	107	11992	4.955 ug/l	100
64) Tetrachloroethene	10.861	164	11449	5.066 ug/l	93
65) Chlorobenzene	11.654	112	43515	5.110 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	13037	4.907 ug/l	98
67) Ethyl Benzene	11.727	91	67071	4.650 ug/l	97
68) m/p-Xylenes	11.837	106	50482	9.070 ug/l	96
69) o-Xylene	12.166	106	22602	4.393 ug/l	97
70) Styrene	12.178	104	39288	4.300 ug/l	98
71) Bromoform	12.349	173	7283	4.792 ug/l #	95
73) Isopropylbenzene	12.458	105	57306	4.164 ug/l	98
74) N-amyl acetate	12.269	43	16327	4.135 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.708	83	15805	4.836 ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	13829m	4.568 ug/l	
77) Bromobenzene	12.745	156	14698	4.471 ug/l	97
78) n-propylbenzene	12.800	91	72140	4.257 ug/l	99
79) 2-Chlorotoluene	12.885	91	46879	4.483 ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	49607	4.245 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	4520	4.378 ug/l	92
82) 4-Chlorotoluene	12.983	91	50782	4.570 ug/l	100
83) tert-Butylbenzene	13.202	119	39993	4.124 ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	49891	4.194 ug/l	100
85) sec-Butylbenzene	13.379	105	64254	4.382 ug/l	98
86) p-Isopropyltoluene	13.495	119	51939	4.249 ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	30445	4.654 ug/l	94
88) 1,4-Dichlorobenzene	13.574	146	32554	4.925 ug/l	95
89) n-Butylbenzene	13.818	91	51328	4.323 ug/l	99
90) Hexachloroethane	14.086	117	10372	4.640 ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	28653	4.836 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	2976	5.123 ug/l	93
93) 1,2,4-Trichlorobenzene	15.123	180	15646	4.414 ug/l	99
94) Hexachlorobutadiene	15.226	225	8109	5.118 ug/l	98
95) Naphthalene	15.360	128	34667	3.991 ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	14053	4.357 ug/l	92

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032052.D
Acq On : 11 Aug 2025 08:25
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 12 03:36:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda
08/12/2025
Supervised By :Semsettin Yesilyurt
08/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032052.D
Acq On : 11 Aug 2025 08:25
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 12 03:36:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

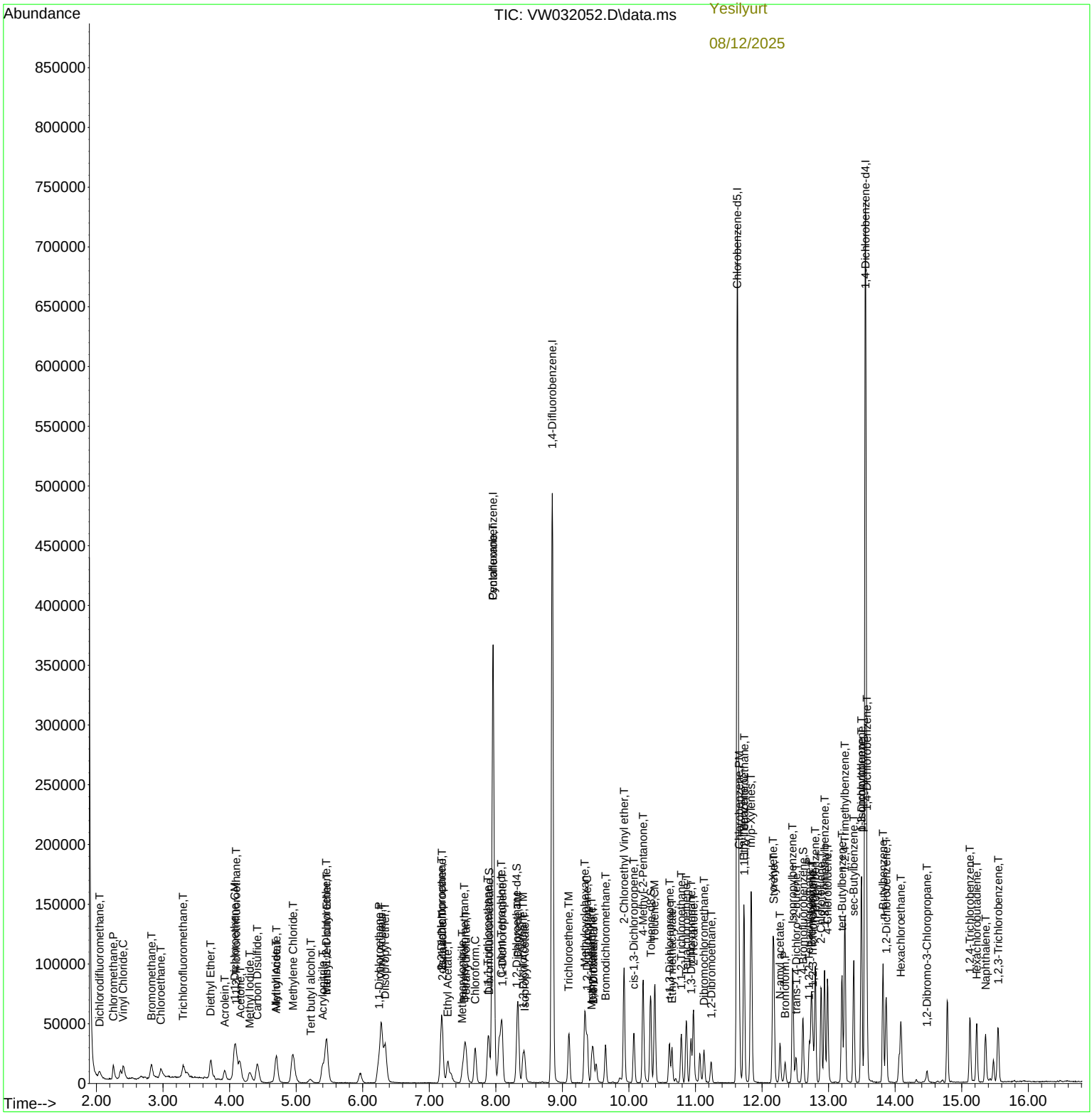
Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda

08/12/2025

Supervised By :Semsettin Yesilyurt

08/12/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032053.D
Acq On : 11 Aug 2025 09:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:37:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	225221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	426784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	385631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	181281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	33671	10.337	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	20.680%#		
35) Dibromofluoromethane	7.904	113	27978	10.147	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	20.300%#		
50) Toluene-d8	10.331	98	100702	9.875	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	19.740%#		
62) 4-Bromofluorobenzene	12.617	95	36748	9.778	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	19.560%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.039	85	17258	10.714	ug/l	99
3) Chloromethane	2.253	50	21693	9.998	ug/l	91
4) Vinyl Chloride	2.405	62	27978	10.660	ug/l	92
5) Bromomethane	2.826	94	20345	10.332	ug/l	93
6) Chloroethane	2.966	64	17509	10.081	ug/l	98
7) Trichlorofluoromethane	3.301	101	19623	9.333	ug/l	99
8) Diethyl Ether	3.716	74	17227	10.000	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	25491	10.276	ug/l	99
10) Methyl Iodide	4.301	142	35515	10.098	ug/l	98
11) Tert butyl alcohol	5.228	59	10754	50.985	ug/l	98
12) 1,1-Dichloroethene	4.082	96	27944	10.231	ug/l	99
13) Acrolein	3.929	56	18650	55.493	ug/l	94
14) Allyl chloride	4.704	41	39114	9.839	ug/l	100
15) Acrylonitrile	5.405	53	42536	51.842	ug/l	100
16) Acetone	4.161	43	40816	54.122	ug/l	99
17) Carbon Disulfide	4.423	76	72806	9.931	ug/l	97
18) Methyl Acetate	4.716	43	27191	11.394	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	47872	9.947	ug/l	97
20) Methylene Chloride	4.960	84	35462	10.170	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	28875	9.962	ug/l	93
22) Diisopropyl ether	6.344	45	84045	10.029	ug/l	97
23) Vinyl Acetate	6.283	43	259050	47.081	ug/l	99
24) 1,1-Dichloroethane	6.240	63	54051	10.095	ug/l	98
25) 2-Butanone	7.197	43	54327	50.685	ug/l	98
26) 2,2-Dichloropropane	7.185	77	27463	10.224	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	33173	9.791	ug/l	99
28) Bromochloromethane	7.532	49	24412	10.019	ug/l	99
29) Tetrahydrofuran	7.557	42	35909	50.800	ug/l	99
30) Chloroform	7.697	83	57170	10.071	ug/l	99
31) Cyclohexane	7.971	56	48633	10.477	ug/l #	95
32) 1,1,1-Trichloroethane	7.886	97	42747	10.368	ug/l	97
36) 1,1-Dichloropropene	8.093	75	38994	10.032	ug/l	99
37) Ethyl Acetate	7.276	43	23053	10.070	ug/l	96
38) Carbon Tetrachloride	8.081	117	37535	10.007	ug/l	91
39) Methylcyclohexane	9.343	83	46100	9.731	ug/l	96
40) Benzene	8.337	78	121462	10.053	ug/l	95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032053.D
Acq On : 11 Aug 2025 09:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:37:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	11729	9.035	ug/l	#	90
42) 1,2-Dichloroethane	8.410	62	39882	10.316	ug/l		100
43) Isopropyl Acetate	8.435	43	41036	9.743	ug/l		98
44) Trichloroethene	9.105	130	28498	9.905	ug/l		99
45) 1,2-Dichloropropane	9.374	63	29199	10.004	ug/l		98
46) Dibromomethane	9.471	93	18653	9.901	ug/l		98
47) Bromodichloromethane	9.654	83	42618	9.818	ug/l		98
48) Methyl methacrylate	9.441	41	19654	9.666	ug/l		98
49) 1,4-Dioxane	9.465	88	4684	192.302	ug/l		99
51) 4-Methyl-2-Pentanone	10.215	43	121419	51.075	ug/l		99
52) Toluene	10.392	92	75250	9.888	ug/l		100
53) t-1,3-Dichloropropene	10.605	75	38397	9.441	ug/l		96
54) cis-1,3-Dichloropropene	10.075	75	44031	9.543	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	25277	10.097	ug/l		96
56) Ethyl methacrylate	10.648	69	31022	9.260	ug/l		97
57) 1,3-Dichloropropane	10.934	76	44743	10.254	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	88627	47.830	ug/l		100
59) 2-Hexanone	10.971	43	82830	50.310	ug/l		97
60) Dibromochloromethane	11.129	129	27954	9.776	ug/l		100
61) 1,2-Dibromoethane	11.239	107	24146	9.926	ug/l		99
64) Tetrachloroethene	10.867	164	23235	10.431	ug/l		90
65) Chlorobenzene	11.660	112	86096	10.257	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.733	131	26286	10.037	ug/l		97
67) Ethyl Benzene	11.733	91	139254	9.794	ug/l		98
68) m/p-Xylenes	11.837	106	108990	19.866	ug/l		98
69) o-Xylene	12.166	106	49259	9.714	ug/l		97
70) Styrene	12.184	104	87542	9.719	ug/l		99
71) Bromoform	12.349	173	14547	9.711	ug/l	#	97
73) Isopropylbenzene	12.464	105	125246	9.886	ug/l		98
74) N-amyl acetate	12.269	43	35636	9.804	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.714	83	31581	10.499	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	25489m	9.147	ug/l		
77) Bromobenzene	12.745	156	31656	10.462	ug/l		98
78) n-propylbenzene	12.800	91	156266	10.019	ug/l		98
79) 2-Chlorotoluene	12.891	91	96942	10.071	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	108123	10.053	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.513	75	8936	9.403	ug/l		90
82) 4-Chlorotoluene	12.989	91	103329	10.103	ug/l		100
83) tert-Butylbenzene	13.202	119	86848	9.729	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	110697	10.110	ug/l		99
85) sec-Butylbenzene	13.379	105	131663	9.756	ug/l		98
86) p-Isopropyltoluene	13.495	119	110557	9.827	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	62383	10.361	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	62843	10.328	ug/l		98
89) n-Butylbenzene	13.818	91	108004	9.881	ug/l		99
90) Hexachloroethane	14.086	117	20175	9.805	ug/l		96
91) 1,2-Dichlorobenzene	13.867	146	56501	10.359	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5305	9.920	ug/l		95
93) 1,2,4-Trichlorobenzene	15.129	180	31816	9.751	ug/l		97
94) Hexachlorobutadiene	15.232	225	14987	10.276	ug/l		98
95) Naphthalene	15.360	128	76287	9.542	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	28678	9.660	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032053.D
Acq On : 11 Aug 2025 09:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:37:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

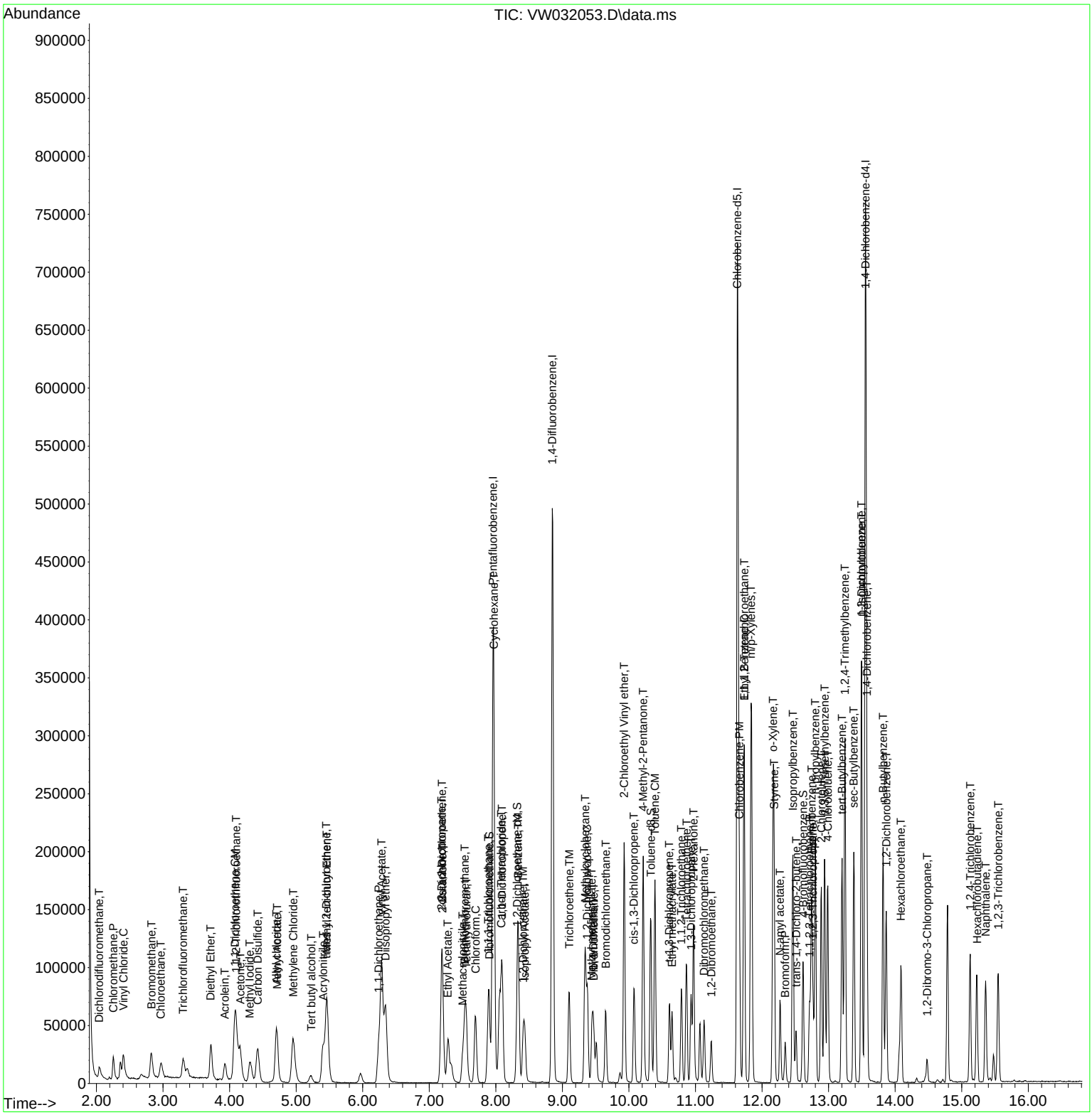
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032053.D
Acq On : 11 Aug 2025 09:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 12 03:37:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032054.D
Acq On : 11 Aug 2025 09:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:37:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	221832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	428395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	386857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	191343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	63857	19.904	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	39.800%#		
35) Dibromofluoromethane	7.898	113	55788	20.158	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	40.320%#		
50) Toluene-d8	10.325	98	206901	20.212	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	40.420%#		
62) 4-Bromofluorobenzene	12.617	95	76008	20.149	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	40.300%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	34171	21.537	ug/l	94
3) Chloromethane	2.253	50	44499	20.821	ug/l	99
4) Vinyl Chloride	2.405	62	57293	22.162	ug/l	91
5) Bromomethane	2.814	94	41008	21.144	ug/l	93
6) Chloroethane	2.966	64	36220	21.173	ug/l	100
7) Trichlorofluoromethane	3.302	101	38977	18.821	ug/l	99
8) Diethyl Ether	3.716	74	34764	20.489	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.088	101	52165	21.351	ug/l	99
10) Methyl Iodide	4.308	142	74197	21.419	ug/l	99
11) Tert butyl alcohol	5.216	59	18539	89.237	ug/l	100
12) 1,1-Dichloroethene	4.076	96	57624	21.419	ug/l	98
13) Acrolein	3.923	56	32512	98.218	ug/l	96
14) Allyl chloride	4.698	41	81458	20.804	ug/l	99
15) Acrylonitrile	5.393	53	75311	93.190	ug/l	98
16) Acetone	4.155	43	67134	90.379	ug/l	99
17) Carbon Disulfide	4.417	76	153247	21.222	ug/l	97
18) Methyl Acetate	4.704	43	43536	18.522	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	96253	20.306	ug/l	99
20) Methylene Chloride	4.948	84	74547	21.706	ug/l	94
21) trans-1,2-Dichloroethene	5.454	96	59717	20.917	ug/l	97
22) Diisopropyl ether	6.338	45	172071	20.846	ug/l	99
23) Vinyl Acetate	6.277	43	539862	99.617	ug/l	99
24) 1,1-Dichloroethane	6.240	63	110835	21.016	ug/l	98
25) 2-Butanone	7.191	43	96191	91.114	ug/l	97
26) 2,2-Dichloropropane	7.179	77	53780	20.327	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	68545	20.540	ug/l	99
28) Bromochloromethane	7.527	49	48715	20.298	ug/l	99
29) Tetrahydrofuran	7.551	42	64317	92.379	ug/l	98
30) Chloroform	7.691	83	117474	21.011	ug/l	97
31) Cyclohexane	7.965	56	95253	20.833	ug/l	98
32) 1,1,1-Trichloroethane	7.880	97	85600	21.078	ug/l	97
36) 1,1-Dichloropropene	8.087	75	80811	20.712	ug/l	99
37) Ethyl Acetate	7.270	43	41235	17.945	ug/l	98
38) Carbon Tetrachloride	8.081	117	77289	20.527	ug/l	91
39) Methylcyclohexane	9.337	83	97412	20.484	ug/l	94
40) Benzene	8.331	78	246590	20.333	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032054.D
Acq On : 11 Aug 2025 09:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:37:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	25075	19.242	ug/l		97
42) 1,2-Dichloroethane	8.410	62	78543	20.239	ug/l		99
43) Isopropyl Acetate	8.435	43	78887	18.660	ug/l		98
44) Trichloroethene	9.099	130	58636	20.302	ug/l		99
45) 1,2-Dichloropropane	9.374	63	60346	20.597	ug/l		100
46) Dibromomethane	9.465	93	37580	19.873	ug/l		98
47) Bromodichloromethane	9.648	83	86577	19.869	ug/l		92
48) Methyl methacrylate	9.441	41	38175	18.704	ug/l		97
49) 1,4-Dioxane	9.459	88	8924	364.998	ug/l		97
51) 4-Methyl-2-Pentanone	10.209	43	220661	92.472	ug/l		99
52) Toluene	10.392	92	155974	20.418	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	79452	19.463	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	90828	19.612	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	49974	19.888	ug/l		95
56) Ethyl methacrylate	10.648	69	62694	18.645	ug/l		97
57) 1,3-Dichloropropane	10.934	76	86678	19.790	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	176339	94.809	ug/l		98
59) 2-Hexanone	10.971	43	151264	91.530	ug/l		100
60) Dibromochloromethane	11.130	129	56607	19.721	ug/l		100
61) 1,2-Dibromoethane	11.233	107	47302	19.371	ug/l		100
64) Tetrachloroethene	10.861	164	45660	20.434	ug/l		99
65) Chlorobenzene	11.654	112	169830	20.169	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.727	131	52937	20.150	ug/l		98
67) Ethyl Benzene	11.727	91	297193	20.836	ug/l		97
68) m/p-Xylenes	11.837	106	233224	42.376	ug/l		98
69) o-Xylene	12.166	106	104192	20.482	ug/l		100
70) Styrene	12.178	104	189664	20.991	ug/l		98
71) Bromoform	12.349	173	28540	18.991	ug/l	#	96
73) Isopropylbenzene	12.459	105	269829	20.178	ug/l		99
74) N-amyl acetate	12.270	43	69075	18.005	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.709	83	58836	18.531	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	51456m	17.494	ug/l		
77) Bromobenzene	12.745	156	61389	19.221	ug/l		98
78) n-propylbenzene	12.800	91	337098	20.476	ug/l		100
79) 2-Chlorotoluene	12.885	91	203918	20.069	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	229615	20.226	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.507	75	17512	17.458	ug/l		92
82) 4-Chlorotoluene	12.983	91	218637	20.253	ug/l		98
83) tert-Butylbenzene	13.202	119	194168	20.608	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	240078	20.774	ug/l		100
85) sec-Butylbenzene	13.379	105	292689	20.547	ug/l		97
86) p-Isopropyltoluene	13.495	119	245081	20.638	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	128893	20.282	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	133097	20.724	ug/l		97
89) n-Butylbenzene	13.818	91	234522	20.328	ug/l		99
90) Hexachloroethane	14.086	117	43226	19.904	ug/l		93
91) 1,2-Dichlorobenzene	13.861	146	114056	19.812	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10011	17.736	ug/l		95
93) 1,2,4-Trichlorobenzene	15.123	180	69229	20.102	ug/l		95
94) Hexachlorobutadiene	15.226	225	30358	19.720	ug/l		91
95) Naphthalene	15.360	128	153137	18.147	ug/l		98
96) 1,2,3-Trichlorobenzene	15.543	180	61526	19.635	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032054.D
Acq On : 11 Aug 2025 09:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:37:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

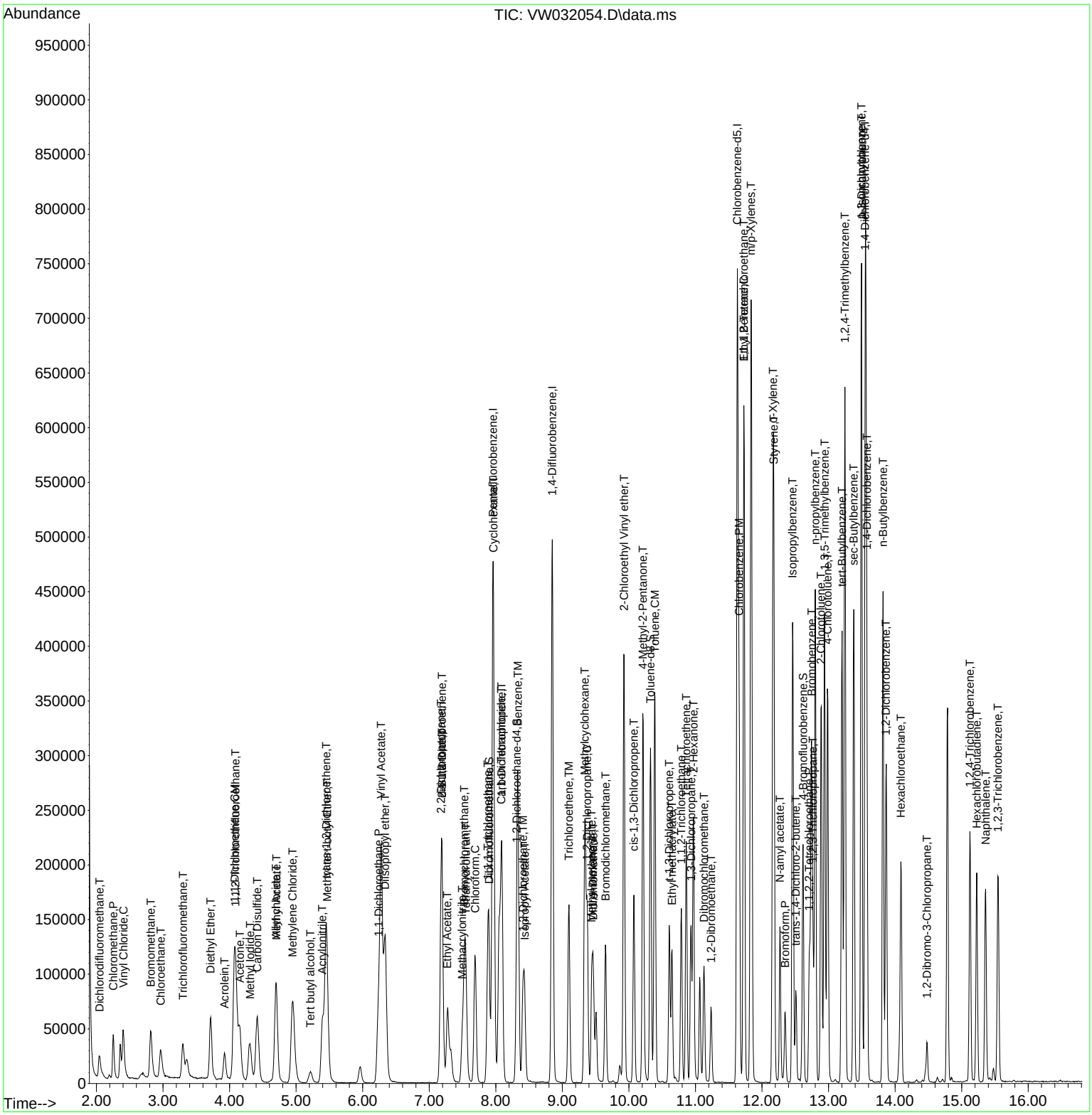
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032054.D
Acq On : 11 Aug 2025 09:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 12 03:37:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032055.D
Acq On : 11 Aug 2025 10:09
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:38:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	223324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	406973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	378090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	178995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159972	49.529	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 99.060%			
35) Dibromofluoromethane	7.898	113	132195	50.279	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.560%			
50) Toluene-d8	10.325	98	506634	52.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.200%			
62) 4-Bromofluorobenzene	12.617	95	187331	52.274	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	75096	47.015	ug/l	100
3) Chloromethane	2.259	50	97719	45.418	ug/l	100
4) Vinyl Chloride	2.405	62	118378	45.486	ug/l	100
5) Bromomethane	2.820	94	91749	46.991	ug/l	100
6) Chloroethane	2.972	64	82045	47.641	ug/l	100
7) Trichlorofluoromethane	3.302	101	103706	49.743	ug/l	100
8) Diethyl Ether	3.722	74	84764	49.624	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.094	101	115526	46.968	ug/l	100
10) Methyl Iodide	4.307	142	167079	47.909	ug/l	100
11) Tert butyl alcohol	5.222	59	56322	269.294	ug/l	100
12) 1,1-Dichloroethene	4.082	96	128304	47.373	ug/l	100
13) Acrolein	3.930	56	78858	236.637	ug/l	100
14) Allyl chloride	4.704	41	192434	48.819	ug/l	100
15) Acrylonitrile	5.405	53	213941	262.963	ug/l	100
16) Acetone	4.161	43	182559	244.127	ug/l	100
17) Carbon Disulfide	4.423	76	347752	47.836	ug/l	100
18) Methyl Acetate	4.710	43	123902	52.361	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	246045	51.560	ug/l	100
20) Methylene Chloride	4.960	84	152186	44.016	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	139994	48.707	ug/l	100
22) Diisopropyl ether	6.344	45	421731	50.751	ug/l	100
23) Vinyl Acetate	6.283	43	1450553	265.873	ug/l	100
24) 1,1-Dichloroethane	6.240	63	258279	48.646	ug/l	100
25) 2-Butanone	7.191	43	284711	267.883	ug/l	100
26) 2,2-Dichloropropane	7.191	77	129390	48.578	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	167240	49.779	ug/l	100
28) Bromochloromethane	7.533	49	121266	50.191	ug/l	100
29) Tetrahydrofuran	7.551	42	190719	272.100	ug/l	100
30) Chloroform	7.691	83	275905	49.018	ug/l	100
31) Cyclohexane	7.971	56	214597	46.622	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	194676	47.617	ug/l	100
36) 1,1-Dichloropropene	8.099	75	190046	51.274	ug/l	100
37) Ethyl Acetate	7.276	43	119689	54.829	ug/l	100
38) Carbon Tetrachloride	8.087	117	182422	51.000	ug/l	100
39) Methylcyclohexane	9.343	83	235341	52.093	ug/l	100
40) Benzene	8.337	78	597760	51.883	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032055.D
Acq On : 11 Aug 2025 10:09
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:38:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	68136	55.039	ug/l		100
42) 1,2-Dichloroethane	8.410	62	189755	51.471	ug/l		100
43) Isopropyl Acetate	8.435	43	219064	54.544	ug/l		100
44) Trichloroethene	9.099	130	137910	50.264	ug/l		100
45) 1,2-Dichloropropane	9.374	63	143446	51.537	ug/l		100
46) Dibromomethane	9.465	93	93001	51.770	ug/l		100
47) Bromodichloromethane	9.654	83	216521	52.307	ug/l		100
48) Methyl methacrylate	9.441	41	108287	55.849	ug/l		100
49) 1,4-Dioxane	9.465	88	26579	1144.321	ug/l		100
51) 4-Methyl-2-Pentanone	10.215	43	635174	280.194	ug/l		100
52) Toluene	10.392	92	379230	52.258	ug/l		100
53) t-1,3-Dichloropropene	10.611	75	209555	54.035	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	236454	53.744	ug/l		100
55) 1,1,2-Trichloroethane	10.788	97	124341	52.088	ug/l		100
56) Ethyl methacrylate	10.648	69	178974	56.027	ug/l		100
57) 1,3-Dichloropropane	10.934	76	216719	52.084	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	490522	277.613	ug/l		100
59) 2-Hexanone	10.971	43	447423	284.986	ug/l		100
60) Dibromochloromethane	11.129	129	142234	52.161	ug/l		100
61) 1,2-Dibromoethane	11.233	107	121625	52.430	ug/l		100
64) Tetrachloroethene	10.867	164	105400	48.263	ug/l		100
65) Chlorobenzene	11.654	112	403926	49.082	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.727	131	128215	49.935	ug/l		100
67) Ethyl Benzene	11.727	91	706877	50.709	ug/l		100
68) m/p-Xylenes	11.837	106	552442	102.704	ug/l		100
69) o-Xylene	12.166	106	257591	51.812	ug/l		100
70) Styrene	12.178	104	457949	51.858	ug/l		100
71) Bromoform	12.349	173	77959	53.078	ug/l	#	100
73) Isopropylbenzene	12.465	105	654522	52.323	ug/l		100
74) N-amyl acetate	12.269	43	199256	55.520	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.708	83	156076	52.549	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	137632m	50.019	ug/l		
77) Bromobenzene	12.745	156	156335	52.326	ug/l		100
78) n-propylbenzene	12.800	91	805515	52.304	ug/l		100
79) 2-Chlorotoluene	12.891	91	490665	51.622	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	555481	52.305	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	51811	55.213	ug/l		100
82) 4-Chlorotoluene	12.983	91	519957	51.488	ug/l		100
83) tert-Butylbenzene	13.202	119	462373	52.460	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	572429	52.950	ug/l		100
85) sec-Butylbenzene	13.379	105	690647	51.829	ug/l		100
86) p-Isopropyltoluene	13.495	119	589769	53.089	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	313624	52.754	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	299453	49.844	ug/l		100
89) n-Butylbenzene	13.818	91	569364	52.756	ug/l		100
90) Hexachloroethane	14.086	117	101464	49.942	ug/l		100
91) 1,2-Dichlorobenzene	13.867	146	273581	50.801	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	28437	53.857	ug/l		100
93) 1,2,4-Trichlorobenzene	15.129	180	164726	51.132	ug/l		100
94) Hexachlorobutadiene	15.226	225	68983	47.902	ug/l		100
95) Naphthalene	15.354	128	434944	55.099	ug/l		100
96) 1,2,3-Trichlorobenzene	15.549	180	149556	51.022	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032055.D
Acq On : 11 Aug 2025 10:09
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:38:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

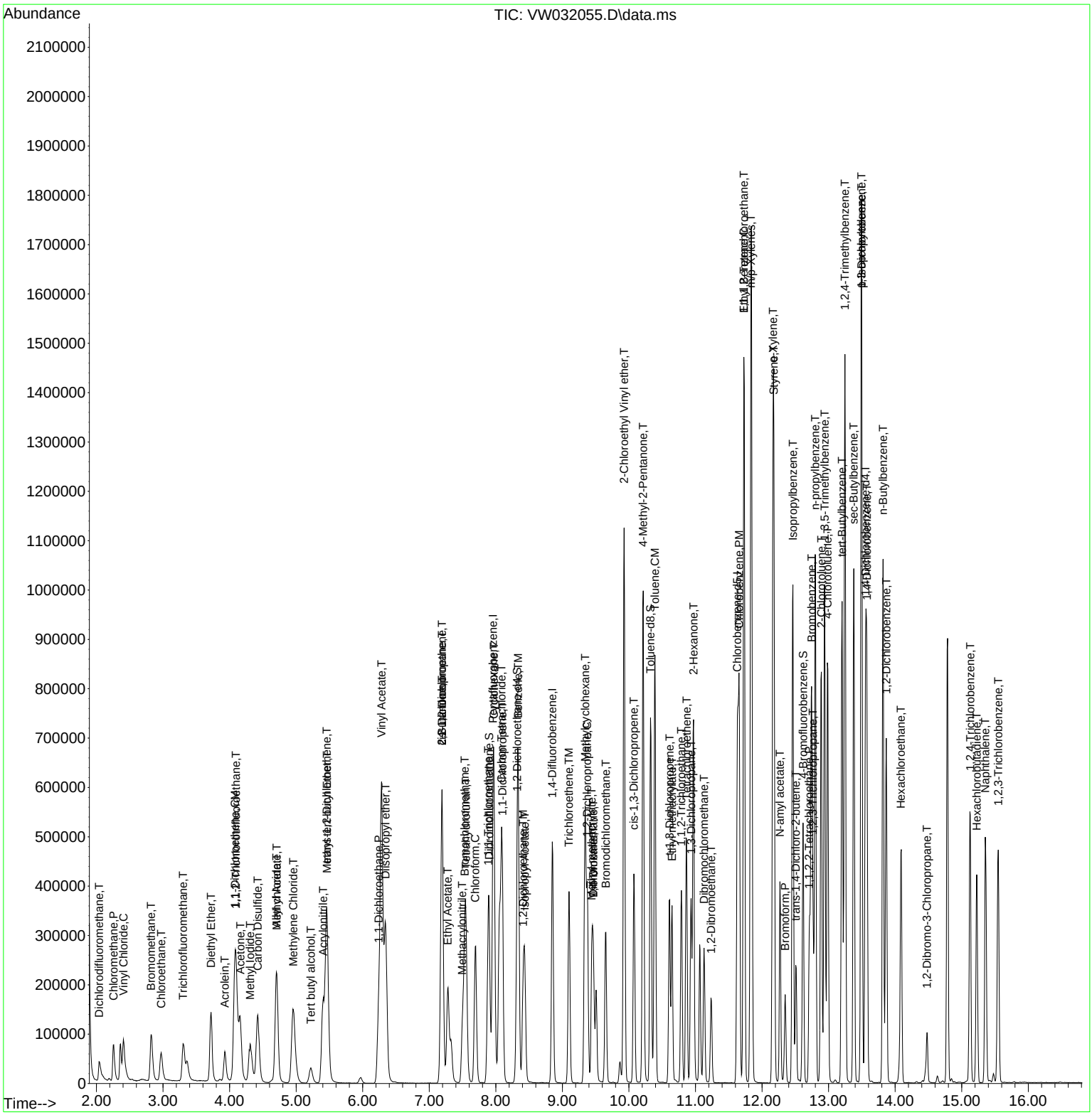
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032055.D
Acq On : 11 Aug 2025 10:09
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 12 03:38:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032056.D
Acq On : 11 Aug 2025 10:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:39:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	221384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	424901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	387705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	180763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	315411	98.509	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 197.020%#			
35) Dibromofluoromethane	7.898	113	266117	96.945	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 193.900%#			
50) Toluene-d8	10.325	98	1005940	99.078	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 198.160%#			
62) 4-Bromofluorobenzene	12.617	95	372416	99.536	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 199.080%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	140330	88.627	ug/l	100
3) Chloromethane	2.253	50	200261	93.894	ug/l	99
4) Vinyl Chloride	2.405	62	239040	92.654	ug/l	94
5) Bromomethane	2.820	94	182687	94.386	ug/l	96
6) Chloroethane	2.966	64	164961	96.628	ug/l	98
7) Trichlorofluoromethane	3.295	101	182663	88.382	ug/l	96
8) Diethyl Ether	3.716	74	164632	97.227	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	224293	91.988	ug/l	100
10) Methyl Iodide	4.301	142	336162	97.237	ug/l	99
11) Tert butyl alcohol	5.216	59	99671	480.735	ug/l	100
12) 1,1-Dichloroethene	4.070	96	251341	93.615	ug/l	92
13) Acrolein	3.923	56	148403	449.230	ug/l	100
14) Allyl chloride	4.698	41	385062	98.543	ug/l	99
15) Acrylonitrile	5.393	53	388290	481.445	ug/l	99
16) Acetone	4.155	43	328664	443.358	ug/l	100
17) Carbon Disulfide	4.417	76	693616	96.248	ug/l	97
18) Methyl Acetate	4.704	43	218695	93.230	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	473924	100.184	ug/l	99
20) Methylene Chloride	4.954	84	285049	83.165	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	281466	98.787	ug/l	98
22) Diisopropyl ether	6.332	45	829703	100.722	ug/l	98
23) Vinyl Acetate	6.277	43	2803250	518.312	ug/l	100
24) 1,1-Dichloroethane	6.240	63	519360	98.678	ug/l	99
25) 2-Butanone	7.191	43	515739	489.508	ug/l	99
26) 2,2-Dichloropropane	7.185	77	249271	94.405	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	343091	103.016	ug/l	97
28) Bromochloromethane	7.526	49	230727	96.333	ug/l	100
29) Tetrahydrofuran	7.551	42	338578	487.284	ug/l	99
30) Chloroform	7.685	83	550232	98.613	ug/l	96
31) Cyclohexane	7.965	56	416558	91.292	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	384671	94.913	ug/l	99
36) 1,1-Dichloropropene	8.093	75	373215	96.444	ug/l	99
37) Ethyl Acetate	7.270	43	221929	97.375	ug/l	99
38) Carbon Tetrachloride	8.081	117	362373	97.035	ug/l	91
39) Methylcyclohexane	9.337	83	459134	97.342	ug/l	97
40) Benzene	8.331	78	1160107	96.444	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032056.D
Acq On : 11 Aug 2025 10:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:39:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	135773	105.048	ug/l		97
42) 1,2-Dichloroethane	8.410	62	364674	94.743	ug/l		100
43) Isopropyl Acetate	8.435	43	413211	98.543	ug/l		99
44) Trichloroethene	9.093	130	270995	94.602	ug/l		99
45) 1,2-Dichloropropane	9.374	63	278124	95.707	ug/l		99
46) Dibromomethane	9.465	93	177966	94.888	ug/l		98
47) Bromodichloromethane	9.648	83	422958	97.867	ug/l		98
48) Methyl methacrylate	9.441	41	202632	100.098	ug/l		98
49) 1,4-Dioxane	9.459	88	46383	1912.696	ug/l		99
51) 4-Methyl-2-Pentanone	10.209	43	1127080	476.209	ug/l		99
52) Toluene	10.386	92	753592	99.464	ug/l		96
53) t-1,3-Dichloropropene	10.605	75	410734	101.442	ug/l		95
54) cis-1,3-Dichloropropene	10.075	75	468972	102.096	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	239507	96.099	ug/l		97
56) Ethyl methacrylate	10.642	69	348446	104.477	ug/l		99
57) 1,3-Dichloropropane	10.934	76	412949	95.056	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	948129	513.956	ug/l		99
59) 2-Hexanone	10.965	43	793810	484.283	ug/l		99
60) Dibromochloromethane	11.129	129	282060	99.074	ug/l		99
61) 1,2-Dibromoethane	11.233	107	240542	99.317	ug/l		99
64) Tetrachloroethene	10.867	164	213297	95.247	ug/l		94
65) Chlorobenzene	11.654	112	808609	95.819	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.727	131	253284	96.197	ug/l		97
67) Ethyl Benzene	11.727	91	1418619	99.243	ug/l		96
68) m/p-Xylenes	11.837	106	1089143	197.459	ug/l		97
69) o-Xylene	12.166	106	523329	102.652	ug/l		97
70) Styrene	12.178	104	916019	101.158	ug/l		100
71) Bromoform	12.349	173	145781	96.794	ug/l	#	92
73) Isopropylbenzene	12.458	105	1299533	102.870	ug/l		100
74) N-amyl acetate	12.269	43	378722	104.494	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.708	83	286977	95.677	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	208848m	75.158	ug/l		
77) Bromobenzene	12.745	156	311049	103.091	ug/l		96
78) n-propylbenzene	12.800	91	1589147	102.177	ug/l		99
79) 2-Chlorotoluene	12.891	91	974324	101.505	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	1092987	101.912	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.507	75	98906	104.370	ug/l		98
82) 4-Chlorotoluene	12.983	91	1013836	99.412	ug/l		99
83) tert-Butylbenzene	13.202	119	922044	103.591	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	1089327	99.778	ug/l		96
85) sec-Butylbenzene	13.379	105	1372324	101.978	ug/l		98
86) p-Isopropyltoluene	13.495	119	1128935	100.630	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	572145	95.298	ug/l		96
88) 1,4-Dichlorobenzene	13.574	146	587417	96.819	ug/l		99
89) n-Butylbenzene	13.818	91	1103362	101.235	ug/l		99
90) Hexachloroethane	14.086	117	204823	99.832	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	524204	96.387	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	50993	95.632	ug/l		97
93) 1,2,4-Trichlorobenzene	15.129	180	338661	104.094	ug/l		97
94) Hexachlorobutadiene	15.226	225	138434	95.189	ug/l		98
95) Naphthalene	15.360	128	841296	105.533	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	313033	105.748	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032056.D
Acq On : 11 Aug 2025 10:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:39:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

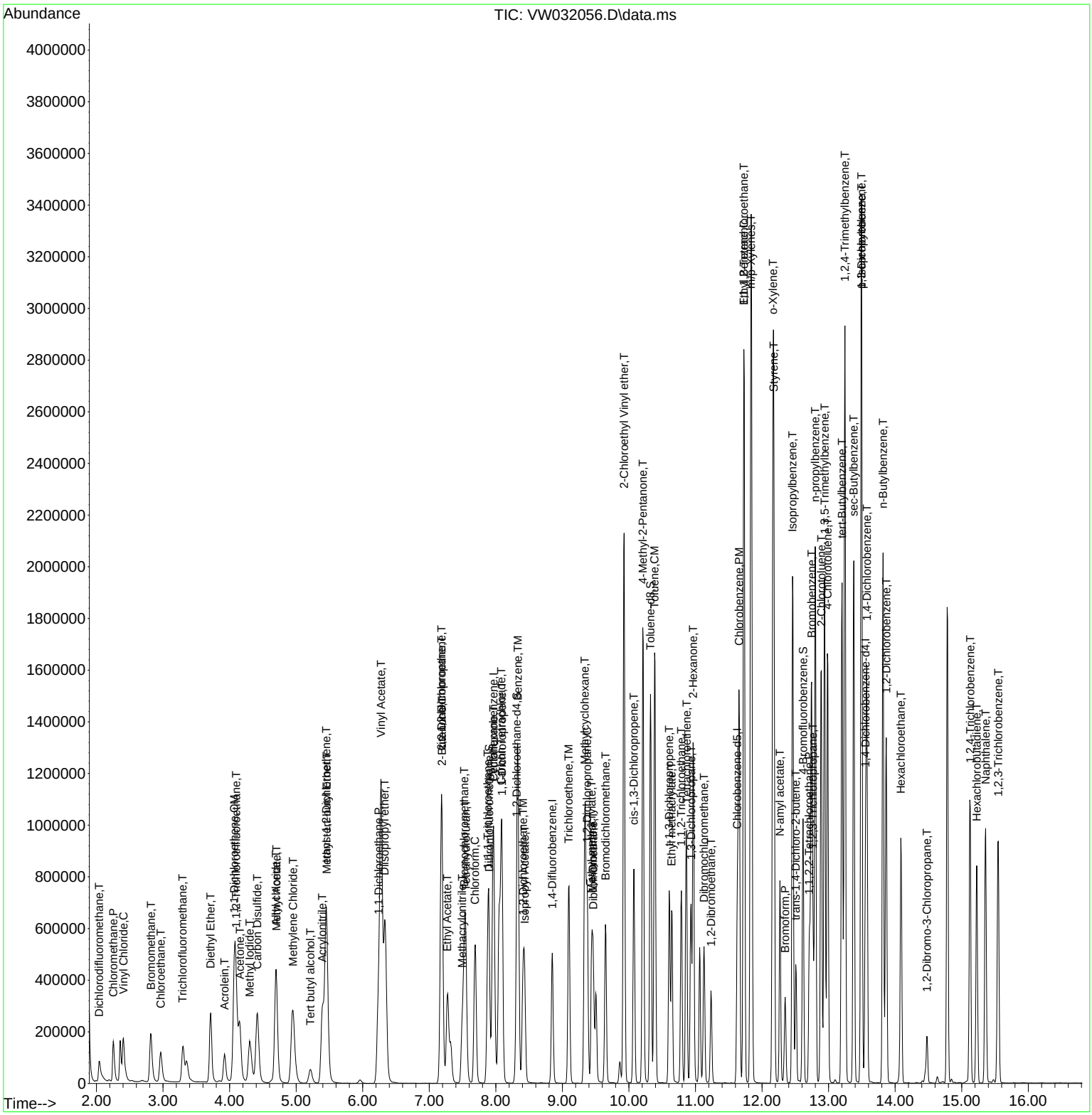
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032056.D
Acq On : 11 Aug 2025 10:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 12 03:39:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032057.D
Acq On : 11 Aug 2025 11:08
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	224613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	422167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	375277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	172321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	469688	144.584	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 289.160%#			
35) Dibromofluoromethane	7.898	113	393306	144.207	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 288.420%#			
50) Toluene-d8	10.331	98	1492050	147.908	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 295.820%#			
62) 4-Bromofluorobenzene	12.617	95	558308	150.185	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 300.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	218953	136.294	ug/l	100
3) Chloromethane	2.253	50	315772	145.923	ug/l	97
4) Vinyl Chloride	2.405	62	362119	138.343	ug/l	95
5) Bromomethane	2.808	94	271810	138.413	ug/l	98
6) Chloroethane	2.966	64	247890	143.117	ug/l	99
7) Trichlorofluoromethane	3.301	101	339384	161.851	ug/l	98
8) Diethyl Ether	3.722	74	254566	148.178	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	343759	138.957	ug/l	99
10) Methyl Iodide	4.301	142	514954	146.812	ug/l	100
11) Tert butyl alcohol	5.222	59	164147	780.336	ug/l	99
12) 1,1-Dichloroethene	4.076	96	388559	142.642	ug/l	94
13) Acrolein	3.929	56	224901	671.009	ug/l	98
14) Allyl chloride	4.704	41	600290	151.415	ug/l	99
15) Acrylonitrile	5.399	53	629942	769.843	ug/l	99
16) Acetone	4.161	43	528585	702.794	ug/l	100
17) Carbon Disulfide	4.423	76	1081188	147.872	ug/l	98
18) Methyl Acetate	4.710	43	371024	155.895	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	719923	149.999	ug/l	100
20) Methylene Chloride	4.960	84	437275	125.744	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	427242	147.794	ug/l	96
22) Diisopropyl ether	6.344	45	1260898	150.866	ug/l	98
23) Vinyl Acetate	6.283	43	4356523	793.927	ug/l	99
24) 1,1-Dichloroethane	6.240	63	782153	146.472	ug/l	99
25) 2-Butanone	7.191	43	837991	783.936	ug/l	100
26) 2,2-Dichloropropane	7.185	77	393976	147.064	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	518413	153.420	ug/l	98
28) Bromochloromethane	7.532	49	356684	146.781	ug/l	99
29) Tetrahydrofuran	7.551	42	549203	779.054	ug/l	99
30) Chloroform	7.691	83	823850	145.528	ug/l	98
31) Cyclohexane	7.971	56	645762	139.490	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	591372	143.816	ug/l	98
36) 1,1-Dichloropropene	8.093	75	556189	144.659	ug/l	99
37) Ethyl Acetate	7.276	43	348970	154.109	ug/l	99
38) Carbon Tetrachloride	8.087	117	544688	146.799	ug/l	97
39) Methylcyclohexane	9.343	83	732413	156.286	ug/l	99
40) Benzene	8.337	78	1770706	148.159	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032057.D
Acq On : 11 Aug 2025 11:08
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	205729	160.204	ug/l		97
42) 1,2-Dichloroethane	8.410	62	552184	144.388	ug/l		100
43) Isopropyl Acetate	8.435	43	665712	159.788	ug/l		100
44) Trichloroethene	9.099	130	424873	149.281	ug/l		93
45) 1,2-Dichloropropane	9.374	63	429280	148.679	ug/l		100
46) Dibromomethane	9.465	93	277058	148.678	ug/l		99
47) Bromodichloromethane	9.648	83	653476	152.185	ug/l		99
48) Methyl methacrylate	9.441	41	330511	164.326	ug/l		99
49) 1,4-Dioxane	9.459	88	79016	3279.484	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.215	43	1817273	772.800	ug/l		99
52) Toluene	10.392	92	1142813	151.812	ug/l		96
53) t-1,3-Dichloropropene	10.605	75	654765	162.760	ug/l		99
54) cis-1,3-Dichloropropene	10.075	75	716583	157.011	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	364680	147.271	ug/l		98
56) Ethyl methacrylate	10.648	69	553265	166.963	ug/l		99
57) 1,3-Dichloropropane	10.934	76	644418	149.298	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	1437682	784.377	ug/l		99
59) 2-Hexanone	10.971	43	1278917	785.288	ug/l		98
60) Dibromochloromethane	11.129	129	442362	156.387	ug/l		99
61) 1,2-Dibromoethane	11.239	107	363192	150.929	ug/l		96
64) Tetrachloroethene	10.867	164	326491	150.622	ug/l		94
65) Chlorobenzene	11.660	112	1230240	150.609	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.727	131	400167	157.017	ug/l		97
67) Ethyl Benzene	11.733	91	2162983	156.328	ug/l		97
68) m/p-Xylenes	11.837	106	1643338	307.801	ug/l		100
69) o-Xylene	12.166	106	786831	159.450	ug/l		99
70) Styrene	12.178	104	1406640	160.482	ug/l		97
71) Bromoform	12.349	173	238675	163.720	ug/l	#	93
73) Isopropylbenzene	12.464	105	1977280	164.188	ug/l		99
74) N-amyl acetate	12.269	43	589285	170.556	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.708	83	449708	157.276	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	334775m	126.378	ug/l		
77) Bromobenzene	12.745	156	440559	153.167	ug/l		98
78) n-propylbenzene	12.800	91	2346333	158.253	ug/l		99
79) 2-Chlorotoluene	12.891	91	1434986	156.820	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	1639597	160.368	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	157641	174.499	ug/l		96
82) 4-Chlorotoluene	12.983	91	1515300	155.863	ug/l		98
83) tert-Butylbenzene	13.202	119	1383127	163.006	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	1646381	158.189	ug/l		100
85) sec-Butylbenzene	13.379	105	2047763	159.625	ug/l		99
86) p-Isopropyltoluene	13.495	119	1712519	160.127	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	867827	151.629	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	851057	147.144	ug/l		99
89) n-Butylbenzene	13.818	91	1657492	159.527	ug/l		98
90) Hexachloroethane	14.086	117	322461	164.868	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	798257	153.968	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	81063	159.472	ug/l		94
93) 1,2,4-Trichlorobenzene	15.123	180	499355	161.006	ug/l		98
94) Hexachlorobutadiene	15.226	225	218963	157.938	ug/l		97
95) Naphthalene	15.360	128	1348344	177.424	ug/l		99
96) 1,2,3-Trichlorobenzene	15.543	180	466811	165.423	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032057.D
Acq On : 11 Aug 2025 11:08
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

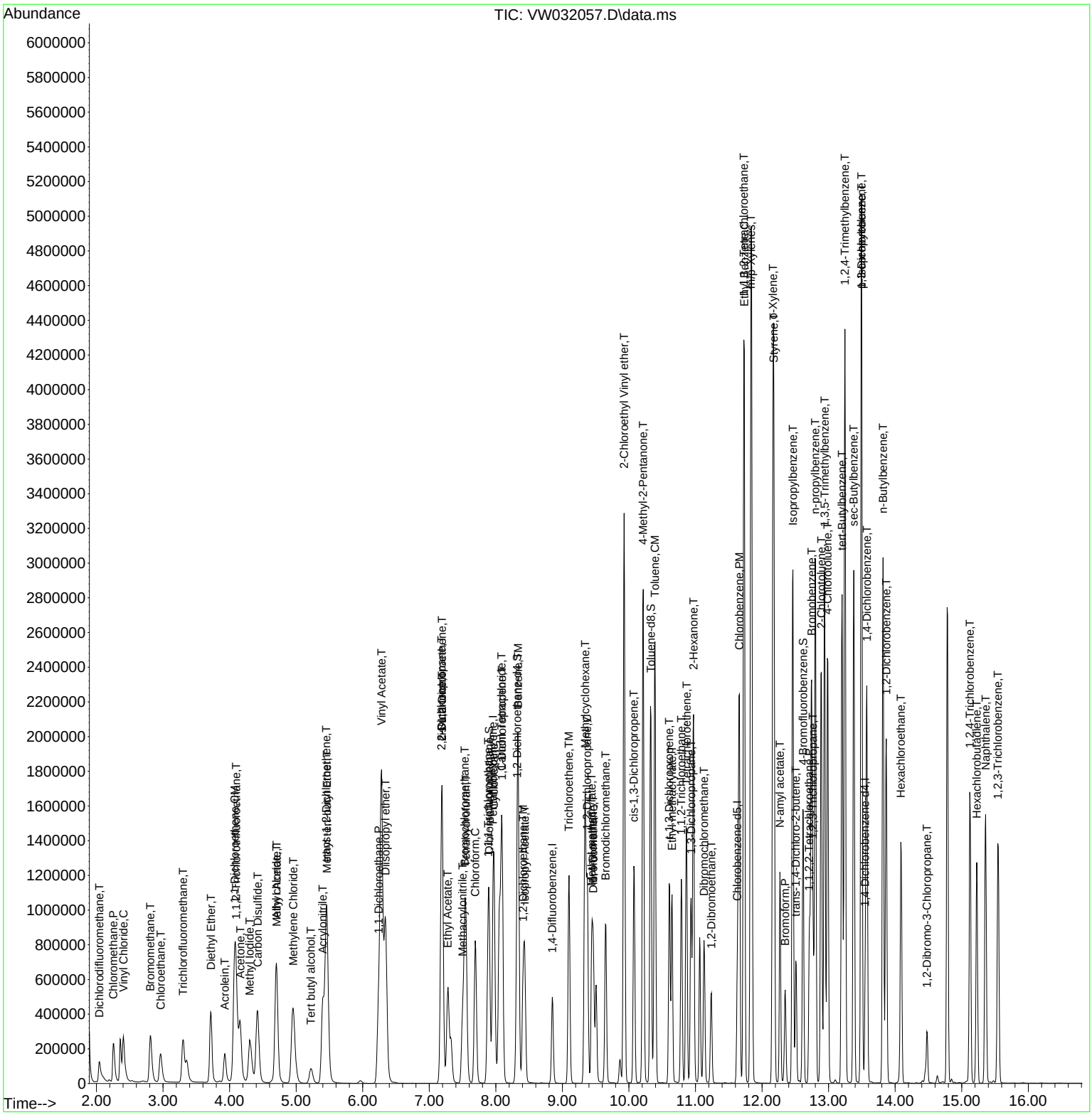
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032057.D
Acq On : 11 Aug 2025 11:08
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 12 03:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	226453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	420434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	386856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	182577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161155	49.205	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 98.420%			
35) Dibromofluoromethane	7.898	113	135642	49.939	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.880%			
50) Toluene-d8	10.325	98	499377	49.708	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.420%			
62) 4-Bromofluorobenzene	12.617	95	190514	51.460	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	69757	43.069	ug/l	98
3) Chloromethane	2.253	50	103574	47.474	ug/l	100
4) Vinyl Chloride	2.405	62	124287	47.096	ug/l	95
5) Bromomethane	2.820	94	93451	47.201	ug/l	100
6) Chloroethane	2.966	64	83573	47.858	ug/l	97
7) Trichlorofluoromethane	3.308	101	108634	51.386	ug/l	91
8) Diethyl Ether	3.722	74	87261	50.380	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	118012	47.316	ug/l	99
10) Methyl Iodide	4.307	142	175903	49.742	ug/l	97
11) Tert butyl alcohol	5.210	59	57666	271.910	ug/l	99
12) 1,1-Dichloroethene	4.076	96	131802	47.992	ug/l	97
13) Acrolein	3.929	56	80072	236.960	ug/l	98
14) Allyl chloride	4.710	41	204222	51.094	ug/l	99
15) Acrylonitrile	5.405	53	219409	265.958	ug/l	99
16) Acetone	4.161	43	192802	254.262	ug/l	97
17) Carbon Disulfide	4.423	76	360982	48.970	ug/l	96
18) Methyl Acetate	4.716	43	126246	52.614	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	263546	54.465	ug/l	100
20) Methylene Chloride	4.954	84	162865	46.453	ug/l	96
21) trans-1,2-Dichloroethene	5.466	96	145825	50.035	ug/l	98
22) Diisopropyl ether	6.338	45	438483	52.038	ug/l	97
23) Vinyl Acetate	6.283	43	1494873	270.210	ug/l	100
24) 1,1-Dichloroethane	6.246	63	265060	49.234	ug/l	98
25) 2-Butanone	7.191	43	293227	272.083	ug/l	96
26) 2,2-Dichloropropane	7.185	77	134123	49.659	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	175120	51.404	ug/l	98
28) Bromochloromethane	7.532	49	123268	50.315	ug/l	98
29) Tetrahydrofuran	7.551	42	194909	274.235	ug/l	100
30) Chloroform	7.691	83	284250	49.803	ug/l	98
31) Cyclohexane	7.971	56	217714	46.646	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	207733	50.108	ug/l	97
36) 1,1-Dichloropropene	8.093	75	189820	49.574	ug/l	100
37) Ethyl Acetate	7.270	43	124516	55.214	ug/l	99
38) Carbon Tetrachloride	8.081	117	184816	50.015	ug/l	98
39) Methylcyclohexane	9.343	83	243533	52.181	ug/l	98
40) Benzene	8.337	78	598350	50.272	ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	70600	55.204	ug/l		97
42) 1,2-Dichloroethane	8.410	62	194825	51.154	ug/l		99
43) Isopropyl Acetate	8.435	43	227561	54.846	ug/l		99
44) Trichloroethene	9.099	130	139383	49.175	ug/l		99
45) 1,2-Dichloropropane	9.374	63	147807	51.403	ug/l		99
46) Dibromomethane	9.465	93	93713	50.497	ug/l		98
47) Bromodichloromethane	9.648	83	221409	51.775	ug/l		100
48) Methyl methacrylate	9.441	41	110265	55.048	ug/l		98
49) 1,4-Dioxane	9.459	88	27718	1155.151	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.215	43	645391	275.585	ug/l		100
52) Toluene	10.392	92	377919	50.410	ug/l		96
53) t-1,3-Dichloropropene	10.611	75	212772	53.108	ug/l		99
54) cis-1,3-Dichloropropene	10.075	75	238970	52.577	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	127536	51.716	ug/l		97
56) Ethyl methacrylate	10.648	69	186039	56.374	ug/l		99
57) 1,3-Dichloropropane	10.934	76	220027	51.186	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	498131	272.893	ug/l		99
59) 2-Hexanone	10.971	43	457083	281.817	ug/l		100
60) Dibromochloromethane	11.129	129	147264	52.276	ug/l		100
61) 1,2-Dibromoethane	11.239	107	126064	52.603	ug/l		100
64) Tetrachloroethene	10.861	164	114507	51.245	ug/l		95
65) Chlorobenzene	11.660	112	416485	49.461	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.733	131	132212	50.324	ug/l		98
67) Ethyl Benzene	11.727	91	716757	50.253	ug/l		100
68) m/p-Xylenes	11.837	106	559216	101.607	ug/l		99
69) o-Xylene	12.160	106	261548	51.416	ug/l		98
70) Styrene	12.178	104	468335	51.833	ug/l		99
71) Bromoform	12.349	173	82571	54.945	ug/l	#	98
73) Isopropylbenzene	12.458	105	670779	52.571	ug/l		99
74) N-amyl acetate	12.269	43	203837	55.682	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.714	83	159092	52.514	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	119168m	48.091	ug/l		
77) Bromobenzene	12.745	156	152028	49.886	ug/l		94
78) n-propylbenzene	12.800	91	803474	51.148	ug/l		99
79) 2-Chlorotoluene	12.885	91	495562	51.114	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	566437	52.291	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	51275	53.570	ug/l		97
82) 4-Chlorotoluene	12.989	91	518248	50.312	ug/l		99
83) tert-Butylbenzene	13.202	119	483459	53.777	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	587831	53.308	ug/l		99
85) sec-Butylbenzene	13.379	105	687367	50.571	ug/l		100
86) p-Isopropyltoluene	13.495	119	584473	51.580	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	305044	50.304	ug/l		95
88) 1,4-Dichlorobenzene	13.574	146	306047	49.942	ug/l		97
89) n-Butylbenzene	13.818	91	571978	51.958	ug/l		98
90) Hexachloroethane	14.092	117	104295	50.329	ug/l		95
91) 1,2-Dichlorobenzene	13.867	146	279745	50.926	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29014	53.872	ug/l		98
93) 1,2,4-Trichlorobenzene	15.123	180	173386	52.764	ug/l		90
94) Hexachlorobutadiene	15.226	225	75299	51.262	ug/l		92
95) Naphthalene	15.360	128	438139	54.415	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	162431	54.327	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
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ALS Vial : 10 Sample Multiplier: 1

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Instrument :
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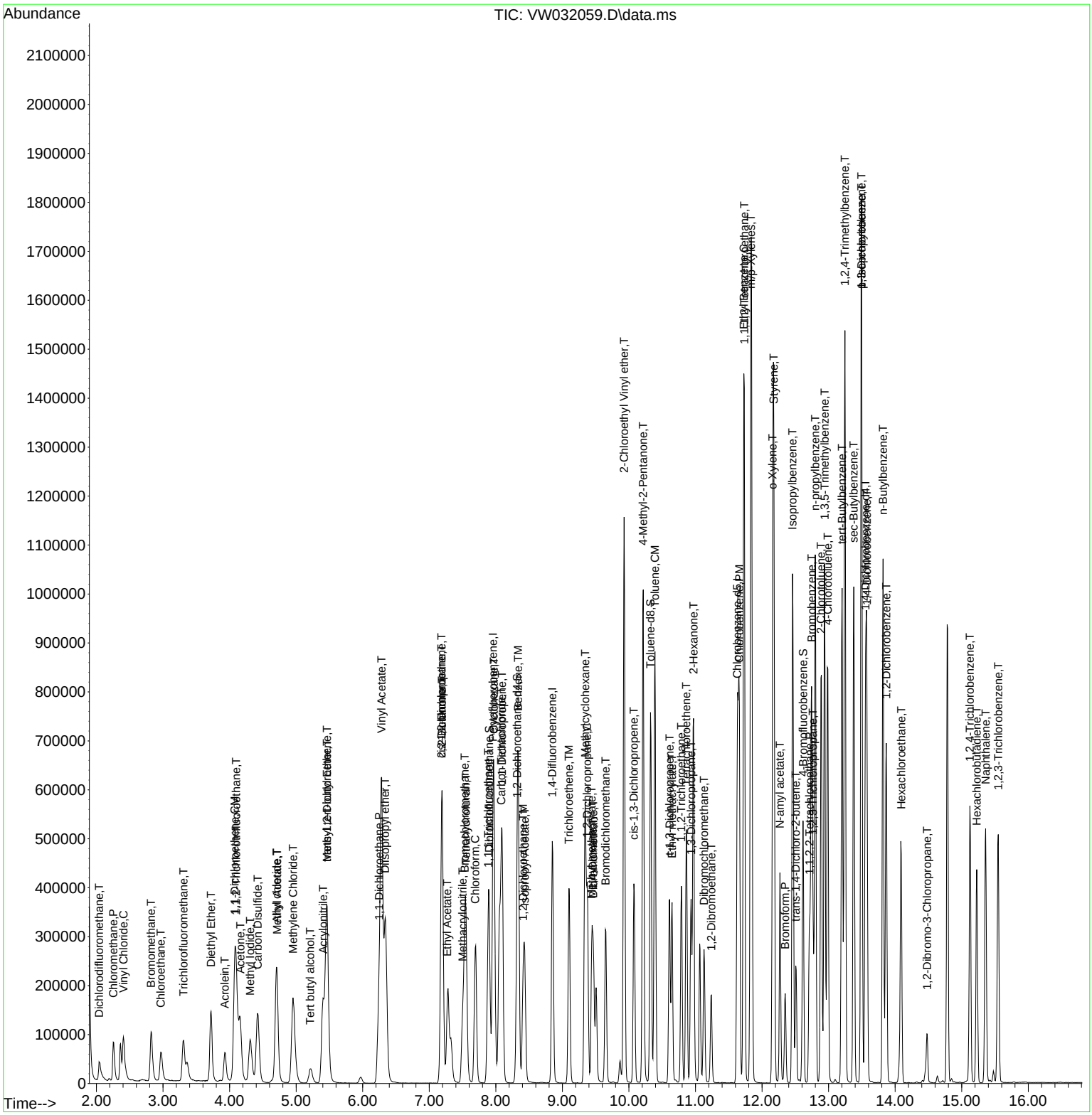
ClientSampleId :
ICVVW081125

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	0.358	0.308	14.0	93	0.00
3	P	Chloromethane	0.482	0.457	5.2	106	0.00
4	C	Vinyl Chloride	0.583	0.549	5.8#	105	0.00
5	T	Bromomethane	0.437	0.413	5.5	102	0.00
6	T	Chloroethane	0.386	0.369	4.4	102	0.00
7	T	Trichlorofluoromethane	0.467	0.480	-2.8	105	0.00
8	T	Diethyl Ether	0.382	0.385	-0.8	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.551	0.521	5.4	102	0.00
10	T	Methyl Iodide	0.781	0.777	0.5	105	0.00
11	T	Tert butyl alcohol	0.047	0.051	-8.5	102	-0.01
12	CM	1,1-Dichloroethene	0.606	0.582	4.0#	103	0.00
13	T	Acrolein	0.075	0.071	5.3	102	0.00
14	T	Allyl chloride	0.883	0.902	-2.2	106	0.00
15	T	Acrylonitrile	0.182	0.194	-6.6	103	0.00
16	T	Acetone	0.167	0.170	-1.8	106	0.00
17	T	Carbon Disulfide	1.628	1.594	2.1	104	0.00
18	T	Methyl Acetate	0.530	0.557	-5.1	102	0.00
19	T	Methyl tert-butyl Ether	1.068	1.164	-9.0	107	0.00
20	T	Methylene Chloride	0.774	0.719	7.1	107	0.00
21	T	trans-1,2-Dichloroethene	0.644	0.644	0.0	104	0.00
22	T	Diisopropyl ether	1.860	1.936	-4.1	104	0.00
23	T	Vinyl Acetate	1.222	1.320	-8.0	103	0.00
24	P	1,1-Dichloroethane	1.189	1.170	1.6	103	0.00
25	T	2-Butanone	0.238	0.259	-8.8	103	0.00
26	T	2,2-Dichloropropane	0.596	0.592	0.7	104	0.00
27	T	cis-1,2-Dichloroethene	0.752	0.773	-2.8	105	0.00
28	T	Bromochloromethane	0.541	0.544	-0.6	102	0.00
29	T	Tetrahydrofuran	0.157	0.172	-9.6	102	0.00
30	C	Chloroform	1.260	1.255	0.4#	103	0.00
31	T	Cyclohexane	1.031	0.961	6.8	101	0.00
32	T	1,1,1-Trichloroethane	0.915	0.917	-0.2	107	0.00
33	S	1,2-Dichloroethane-d4	0.723	0.712	1.5	101	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35	S	Dibromofluoromethane	0.323	0.323	0.0	103	0.00
36	T	1,1-Dichloropropene	0.455	0.451	0.9	100	0.00
37	T	Ethyl Acetate	0.268	0.296	-10.4	104	0.00
38	T	Carbon Tetrachloride	0.439	0.440	-0.2	101	0.00
39	T	Methylcyclohexane	0.555	0.579	-4.3	103	0.00
40	TM	Benzene	1.415	1.423	-0.6	100	0.00
41	T	Methacrylonitrile	0.152	0.168	-10.5	104	0.00
42	TM	1,2-Dichloroethane	0.453	0.463	-2.2	103	0.00
43	T	Isopropyl Acetate	0.493	0.541	-9.7	104	0.00
44	TM	Trichloroethene	0.337	0.332	1.5	101	0.00
45	C	1,2-Dichloropropane	0.342	0.352	-2.9#	103	0.00
46	T	Dibromomethane	0.221	0.223	-0.9	101	0.00
47	T	Bromodichloromethane	0.509	0.527	-3.5	102	0.00
48	T	Methyl methacrylate	0.238	0.262	-10.1	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.003	0.003	0.0	104	0.00
50	S	Toluene-d8	1.195	1.188	0.6	99	0.00
51	T	4-Methyl-2-Pentanone	0.279	0.307	-10.0	102	0.00
52	CM	Toluene	0.892	0.899	-0.8#	100	0.00
53	T	t-1,3-Dichloropropene	0.476	0.506	-6.3	102	0.00
54	T	cis-1,3-Dichloropropene	0.541	0.568	-5.0	101	0.00
55	T	1,1,2-Trichloroethane	0.293	0.303	-3.4	103	0.00
56	T	Ethyl methacrylate	0.392	0.442	-12.8	104	0.00
57	T	1,3-Dichloropropane	0.511	0.523	-2.3	102	0.00
58	T	2-Chloroethyl Vinyl ether	0.217	0.237	-9.2	102	0.00
59	T	2-Hexanone	0.193	0.217	-12.4	102	0.00
60	T	Dibromochloromethane	0.335	0.350	-4.5	104	0.00
61	T	1,2-Dibromoethane	0.285	0.300	-5.3	104	0.00
62	S	4-Bromofluorobenzene	0.440	0.453	-3.0	102	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.289	0.296	-2.4	109	0.00
65	PM	Chlorobenzene	1.088	1.077	1.0	103	0.00
66	T	1,1,1,2-Tetrachloroethane	0.340	0.342	-0.6	103	0.00
67	C	Ethyl Benzene	1.843	1.853	-0.5#	101	0.00
68	T	m/p-Xylenes	0.711	0.723	-1.7	101	0.00
69	T	o-Xylene	0.657	0.676	-2.9	102	0.00
70	T	Styrene	1.168	1.211	-3.7	102	0.00
71	P	Bromoform	0.194	0.213	-9.8	106	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.494	3.674	-5.2	102	0.00
74	T	N-amyl acetate	1.003	1.116	-11.3	102	0.00
75	P	1,1,2,2-Tetrachloroethane	0.830	0.871	-4.9	102	0.00
76	T	1,2,3-Trichloropropane	0.679	0.653	3.8	87	0.00
77	T	Bromobenzene	0.835	0.833	0.2	97	0.00
78	T	n-propylbenzene	4.302	4.401	-2.3	100	0.00
79	T	2-Chlorotoluene	2.655	2.714	-2.2	101	0.00
80	T	1,3,5-Trimethylbenzene	2.967	3.102	-4.6	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.262	0.281	-7.3	99	0.00
82	T	4-Chlorotoluene	2.821	2.839	-0.6	100	0.00
83	T	tert-Butylbenzene	2.462	2.648	-7.6	105	0.00
84	T	1,2,4-Trimethylbenzene	3.020	3.220	-6.6	103	0.00
85	T	sec-Butylbenzene	3.722	3.765	-1.2	100	0.00
86	T	p-Isopropyltoluene	3.103	3.201	-3.2	99	0.00
87	T	1,3-Dichlorobenzene	1.661	1.671	-0.6	97	0.00
88	T	1,4-Dichlorobenzene	1.678	1.676	0.1	102	0.00
89	T	n-Butylbenzene	3.015	3.133	-3.9	100	0.00
90	T	Hexachloroethane	0.568	0.571	-0.5	103	0.00
91	T	1,2-Dichlorobenzene	1.504	1.532	-1.9	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.147	0.159	-8.2	102	0.00
93	T	1,2,4-Trichlorobenzene	0.900	0.950	-5.6	105	0.00
94	T	Hexachlorobutadiene	0.402	0.412	-2.5	109	0.00
95	T	Naphthalene	2.205	2.400	-8.8	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.819	0.890	-8.7	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	50.000	43.069	13.9	93	0.00
3	P	Chloromethane	50.000	47.474	5.1	106	0.00
4	C	Vinyl Chloride	50.000	47.096	5.8#	105	0.00
5	T	Bromomethane	50.000	47.201	5.6	102	0.00
6	T	Chloroethane	50.000	47.858	4.3	102	0.00
7	T	Trichlorofluoromethane	50.000	51.386	-2.8	105	0.00
8	T	Diethyl Ether	50.000	50.380	-0.8	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.316	5.4	102	0.00
10	T	Methyl Iodide	50.000	49.742	0.5	105	0.00
11	T	Tert butyl alcohol	250.000	271.910	-8.8	102	-0.01
12	CM	1,1-Dichloroethene	50.000	47.992	4.0#	103	0.00
13	T	Acrolein	250.000	236.960	5.2	102	0.00
14	T	Allyl chloride	50.000	51.094	-2.2	106	0.00
15	T	Acrylonitrile	250.000	265.958	-6.4	103	0.00
16	T	Acetone	250.000	254.262	-1.7	106	0.00
17	T	Carbon Disulfide	50.000	48.970	2.1	104	0.00
18	T	Methyl Acetate	50.000	52.614	-5.2	102	0.00
19	T	Methyl tert-butyl Ether	50.000	54.465	-8.9	107	0.00
20	T	Methylene Chloride	50.000	46.453	7.1	107	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.035	-0.1	104	0.00
22	T	Diisopropyl ether	50.000	52.038	-4.1	104	0.00
23	T	Vinyl Acetate	250.000	270.210	-8.1	103	0.00
24	P	1,1-Dichloroethane	50.000	49.234	1.5	103	0.00
25	T	2-Butanone	250.000	272.083	-8.8	103	0.00
26	T	2,2-Dichloropropane	50.000	49.659	0.7	104	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.404	-2.8	105	0.00
28	T	Bromochloromethane	50.000	50.315	-0.6	102	0.00
29	T	Tetrahydrofuran	250.000	274.235	-9.7	102	0.00
30	C	Chloroform	50.000	49.803	0.4#	103	0.00
31	T	Cyclohexane	50.000	46.646	6.7	101	0.00
32	T	1,1,1-Trichloroethane	50.000	50.108	-0.2	107	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.205	1.6	101	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35	S	Dibromofluoromethane	50.000	49.939	0.1	103	0.00
36	T	1,1-Dichloropropene	50.000	49.574	0.9	100	0.00
37	T	Ethyl Acetate	50.000	55.214	-10.4	104	0.00
38	T	Carbon Tetrachloride	50.000	50.015	-0.0	101	0.00
39	T	Methylcyclohexane	50.000	52.181	-4.4	103	0.00
40	TM	Benzene	50.000	50.272	-0.5	100	0.00
41	T	Methacrylonitrile	50.000	55.204	-10.4	104	0.00
42	TM	1,2-Dichloroethane	50.000	51.154	-2.3	103	0.00
43	T	Isopropyl Acetate	50.000	54.846	-9.7	104	0.00
44	TM	Trichloroethene	50.000	49.175	1.7	101	0.00
45	C	1,2-Dichloropropane	50.000	51.403	-2.8#	103	0.00
46	T	Dibromomethane	50.000	50.497	-1.0	101	0.00
47	T	Bromodichloromethane	50.000	51.775	-3.5	102	0.00
48	T	Methyl methacrylate	50.000	55.048	-10.1	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1155.151	-15.5	104	0.00
50	S	Toluene-d8	50.000	49.708	0.6	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	275.585	-10.2	102	0.00
52	CM	Toluene	50.000	50.410	-0.8#	100	0.00
53	T	t-1,3-Dichloropropene	50.000	53.108	-6.2	102	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.577	-5.2	101	0.00
55	T	1,1,2-Trichloroethane	50.000	51.716	-3.4	103	0.00
56	T	Ethyl methacrylate	50.000	56.374	-12.7	104	0.00
57	T	1,3-Dichloropropane	50.000	51.186	-2.4	102	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	272.893	-9.2	102	0.00
59	T	2-Hexanone	250.000	281.817	-12.7	102	0.00
60	T	Dibromochloromethane	50.000	52.276	-4.6	104	0.00
61	T	1,2-Dibromoethane	50.000	52.603	-5.2	104	0.00
62	S	4-Bromofluorobenzene	50.000	51.460	-2.9	102	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	51.245	-2.5	109	0.00
65	PM	Chlorobenzene	50.000	49.461	1.1	103	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.324	-0.6	103	0.00
67	C	Ethyl Benzene	50.000	50.253	-0.5#	101	0.00
68	T	m/p-Xylenes	100.000	101.607	-1.6	101	0.00
69	T	o-Xylene	50.000	51.416	-2.8	102	0.00
70	T	Styrene	50.000	51.833	-3.7	102	0.00
71	P	Bromoform	50.000	54.945	-9.9	106	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	52.571	-5.1	102	0.00
74	T	N-amyl acetate	50.000	55.682	-11.4	102	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.514	-5.0	102	0.00
76	T	1,2,3-Trichloropropane	50.000	48.091	3.8	87	0.00
77	T	Bromobenzene	50.000	49.886	0.2	97	0.00
78	T	n-propylbenzene	50.000	51.148	-2.3	100	0.00
79	T	2-Chlorotoluene	50.000	51.114	-2.2	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.291	-4.6	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.570	-7.1	99	0.00
82	T	4-Chlorotoluene	50.000	50.312	-0.6	100	0.00
83	T	tert-Butylbenzene	50.000	53.777	-7.6	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.308	-6.6	103	0.00
85	T	sec-Butylbenzene	50.000	50.571	-1.1	100	0.00
86	T	p-Isopropyltoluene	50.000	51.580	-3.2	99	0.00
87	T	1,3-Dichlorobenzene	50.000	50.304	-0.6	97	0.00
88	T	1,4-Dichlorobenzene	50.000	49.942	0.1	102	0.00
89	T	n-Butylbenzene	50.000	51.958	-3.9	100	0.00
90	T	Hexachloroethane	50.000	50.329	-0.7	103	0.00
91	T	1,2-Dichlorobenzene	50.000	50.926	-1.9	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.872	-7.7	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.764	-5.5	105	0.00
94	T	Hexachlorobutadiene	50.000	51.262	-2.5	109	0.00
95	T	Naphthalene	50.000	54.415	-8.8	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Quant Time: Aug 12 04:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.327	-8.7	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VW032055.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: EARTH03
Lab Code: ACE
SDG No.: Q2818
Instrument ID: MSVOA_W
Calibration Date/Time: 08/11/2025 10:09
Lab File ID: VW032055.D
Init. Calib. Date(s): 08/11/2025 08/11/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 08:25 11:08
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.358	0.336		-6.14	
Chloromethane	0.482	0.438		-9.13	
Vinyl Chloride	0.583	0.530		-9.09	
Bromomethane	0.437	0.411		-5.95	
Chloroethane	0.386	0.367		-4.92	
Trichlorofluoromethane	0.467	0.464		-0.64	
1,1,2-Trichlorotrifluoroethane	0.551	0.517		-6.17	
1,1-Dichloroethene	0.606	0.575		-5.12	
Acetone	0.167	0.163		-2.39	
Carbon Disulfide	1.628	1.557		-4.36	
Methyl tert-butyl Ether	1.068	1.102		3.18	
Methyl Acetate	0.530	0.555		4.72	
Methylene Chloride	0.774	0.681		-12.02	
trans-1,2-Dichloroethene	0.644	0.627		-2.64	
1,1-Dichloroethane	1.189	1.157		-2.69	
Cyclohexane	1.031	0.961		-6.79	
2-Butanone	0.238	0.255		7.14	
Carbon Tetrachloride	0.439	0.448		2.05	
cis-1,2-Dichloroethene	0.752	0.749		-0.4	
Bromochloromethane	0.541	0.543		0.37	
Chloroform	1.260	1.235		-1.98	
1,1,1-Trichloroethane	0.915	0.872		-4.7	
Methylcyclohexane	0.555	0.578		4.14	
Benzene	1.415	1.469		3.82	
1,2-Dichloroethane	0.453	0.466		2.87	
Trichloroethene	0.337	0.339		0.59	
1,2-Dichloropropane	0.342	0.352		2.92	
Bromodichloromethane	0.509	0.532		4.52	
4-Methyl-2-Pentanone	0.279	0.312		11.83	
Toluene	0.892	0.932		4.48	
t-1,3-Dichloropropene	0.476	0.515		8.19	
cis-1,3-Dichloropropene	0.541	0.581		7.39	
1,1,2-Trichloroethane	0.293	0.306		4.44	
2-Hexanone	0.193	0.220		13.99	
Dibromochloromethane	0.335	0.349		4.18	
1,2-Dibromoethane	0.285	0.299		4.91	
Tetrachloroethene	0.289	0.279		-3.46	
Chlorobenzene	1.088	1.068		-1.84	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VW032055.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: EARTH03
Lab Code: ACE
SDG No.: Q2818
Instrument ID: MSVOA_W
Calibration Date/Time: 08/11/2025 10:09
Lab File ID: VW032055.D
Init. Calib. Date(s): 08/11/2025 08/11/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 08:25 11:08
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.870		1.47	
m/p-Xylenes	0.711	0.731		2.81	
o-Xylene	0.657	0.681		3.65	
Styrene	1.168	1.211		3.68	
Bromoform	0.194	0.206		6.19	
Isopropylbenzene	3.494	3.657		4.66	
1,1,2,2-Tetrachloroethane	0.830	0.872		5.06	
1,3-Dichlorobenzene	1.661	1.752		5.48	
1,4-Dichlorobenzene	1.678	1.673		-0.3	
1,2-Dichlorobenzene	1.504	1.528		1.6	
1,2-Dibromo-3-Chloropropane	0.147	0.159		8.16	
1,2,4-Trichlorobenzene	0.900	0.920		2.22	
1,2,3-Trichlorobenzene	0.819	0.836		2.08	
1,2-Dichloroethane-d4	0.723	0.716		-0.97	
Dibromofluoromethane	0.323	0.325		0.62	
Toluene-d8	1.195	1.245		4.18	
4-Bromofluorobenzene	0.440	0.460		4.55	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032055.D
Acq On : 11 Aug 2025 10:09
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 12 03:38:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	223324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	406973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	378090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	178995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159972	49.529	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 99.060%			
35) Dibromofluoromethane	7.898	113	132195	50.279	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.560%			
50) Toluene-d8	10.325	98	506634	52.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.200%			
62) 4-Bromofluorobenzene	12.617	95	187331	52.274	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	75096	47.015	ug/l	100
3) Chloromethane	2.259	50	97719	45.418	ug/l	100
4) Vinyl Chloride	2.405	62	118378	45.486	ug/l	100
5) Bromomethane	2.820	94	91749	46.991	ug/l	100
6) Chloroethane	2.972	64	82045	47.641	ug/l	100
7) Trichlorofluoromethane	3.302	101	103706	49.743	ug/l	100
8) Diethyl Ether	3.722	74	84764	49.624	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.094	101	115526	46.968	ug/l	100
10) Methyl Iodide	4.307	142	167079	47.909	ug/l	100
11) Tert butyl alcohol	5.222	59	56322	269.294	ug/l	100
12) 1,1-Dichloroethene	4.082	96	128304	47.373	ug/l	100
13) Acrolein	3.930	56	78858	236.637	ug/l	100
14) Allyl chloride	4.704	41	192434	48.819	ug/l	100
15) Acrylonitrile	5.405	53	213941	262.963	ug/l	100
16) Acetone	4.161	43	182559	244.127	ug/l	100
17) Carbon Disulfide	4.423	76	347752	47.836	ug/l	100
18) Methyl Acetate	4.710	43	123902	52.361	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	246045	51.560	ug/l	100
20) Methylene Chloride	4.960	84	152186	44.016	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	139994	48.707	ug/l	100
22) Diisopropyl ether	6.344	45	421731	50.751	ug/l	100
23) Vinyl Acetate	6.283	43	1450553	265.873	ug/l	100
24) 1,1-Dichloroethane	6.240	63	258279	48.646	ug/l	100
25) 2-Butanone	7.191	43	284711	267.883	ug/l	100
26) 2,2-Dichloropropane	7.191	77	129390	48.578	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	167240	49.779	ug/l	100
28) Bromochloromethane	7.533	49	121266	50.191	ug/l	100
29) Tetrahydrofuran	7.551	42	190719	272.100	ug/l	100
30) Chloroform	7.691	83	275905	49.018	ug/l	100
31) Cyclohexane	7.971	56	214597	46.622	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	194676	47.617	ug/l	100
36) 1,1-Dichloropropene	8.099	75	190046	51.274	ug/l	100
37) Ethyl Acetate	7.276	43	119689	54.829	ug/l	100
38) Carbon Tetrachloride	8.087	117	182422	51.000	ug/l	100
39) Methylcyclohexane	9.343	83	235341	52.093	ug/l	100
40) Benzene	8.337	78	597760	51.883	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032055.D
Acq On : 11 Aug 2025 10:09
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 12 03:38:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	68136	55.039	ug/l		100
42) 1,2-Dichloroethane	8.410	62	189755	51.471	ug/l		100
43) Isopropyl Acetate	8.435	43	219064	54.544	ug/l		100
44) Trichloroethene	9.099	130	137910	50.264	ug/l		100
45) 1,2-Dichloropropane	9.374	63	143446	51.537	ug/l		100
46) Dibromomethane	9.465	93	93001	51.770	ug/l		100
47) Bromodichloromethane	9.654	83	216521	52.307	ug/l		100
48) Methyl methacrylate	9.441	41	108287	55.849	ug/l		100
49) 1,4-Dioxane	9.465	88	26579	1144.321	ug/l		100
51) 4-Methyl-2-Pentanone	10.215	43	635174	280.194	ug/l		100
52) Toluene	10.392	92	379230	52.258	ug/l		100
53) t-1,3-Dichloropropene	10.611	75	209555	54.035	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	236454	53.744	ug/l		100
55) 1,1,2-Trichloroethane	10.788	97	124341	52.088	ug/l		100
56) Ethyl methacrylate	10.648	69	178974	56.027	ug/l		100
57) 1,3-Dichloropropane	10.934	76	216719	52.084	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	490522	277.613	ug/l		100
59) 2-Hexanone	10.971	43	447423	284.986	ug/l		100
60) Dibromochloromethane	11.129	129	142234	52.161	ug/l		100
61) 1,2-Dibromoethane	11.233	107	121625	52.430	ug/l		100
64) Tetrachloroethene	10.867	164	105400	48.263	ug/l		100
65) Chlorobenzene	11.654	112	403926	49.082	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.727	131	128215	49.935	ug/l		100
67) Ethyl Benzene	11.727	91	706877	50.709	ug/l		100
68) m/p-Xylenes	11.837	106	552442	102.704	ug/l		100
69) o-Xylene	12.166	106	257591	51.812	ug/l		100
70) Styrene	12.178	104	457949	51.858	ug/l		100
71) Bromoform	12.349	173	77959	53.078	ug/l	#	100
73) Isopropylbenzene	12.465	105	654522	52.323	ug/l		100
74) N-amyl acetate	12.269	43	199256	55.520	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.708	83	156076	52.549	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	137632m	50.019	ug/l		
77) Bromobenzene	12.745	156	156335	52.326	ug/l		100
78) n-propylbenzene	12.800	91	805515	52.304	ug/l		100
79) 2-Chlorotoluene	12.891	91	490665	51.622	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	555481	52.305	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	51811	55.213	ug/l		100
82) 4-Chlorotoluene	12.983	91	519957	51.488	ug/l		100
83) tert-Butylbenzene	13.202	119	462373	52.460	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	572429	52.950	ug/l		100
85) sec-Butylbenzene	13.379	105	690647	51.829	ug/l		100
86) p-Isopropyltoluene	13.495	119	589769	53.089	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	313624	52.754	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	299453	49.844	ug/l		100
89) n-Butylbenzene	13.818	91	569364	52.756	ug/l		100
90) Hexachloroethane	14.086	117	101464	49.942	ug/l		100
91) 1,2-Dichlorobenzene	13.867	146	273581	50.801	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	28437	53.857	ug/l		100
93) 1,2,4-Trichlorobenzene	15.129	180	164726	51.132	ug/l		100
94) Hexachlorobutadiene	15.226	225	68983	47.902	ug/l		100
95) Naphthalene	15.354	128	434944	55.099	ug/l		100
96) 1,2,3-Trichlorobenzene	15.549	180	149556	51.022	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032055.D
Acq On : 11 Aug 2025 10:09
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:38:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

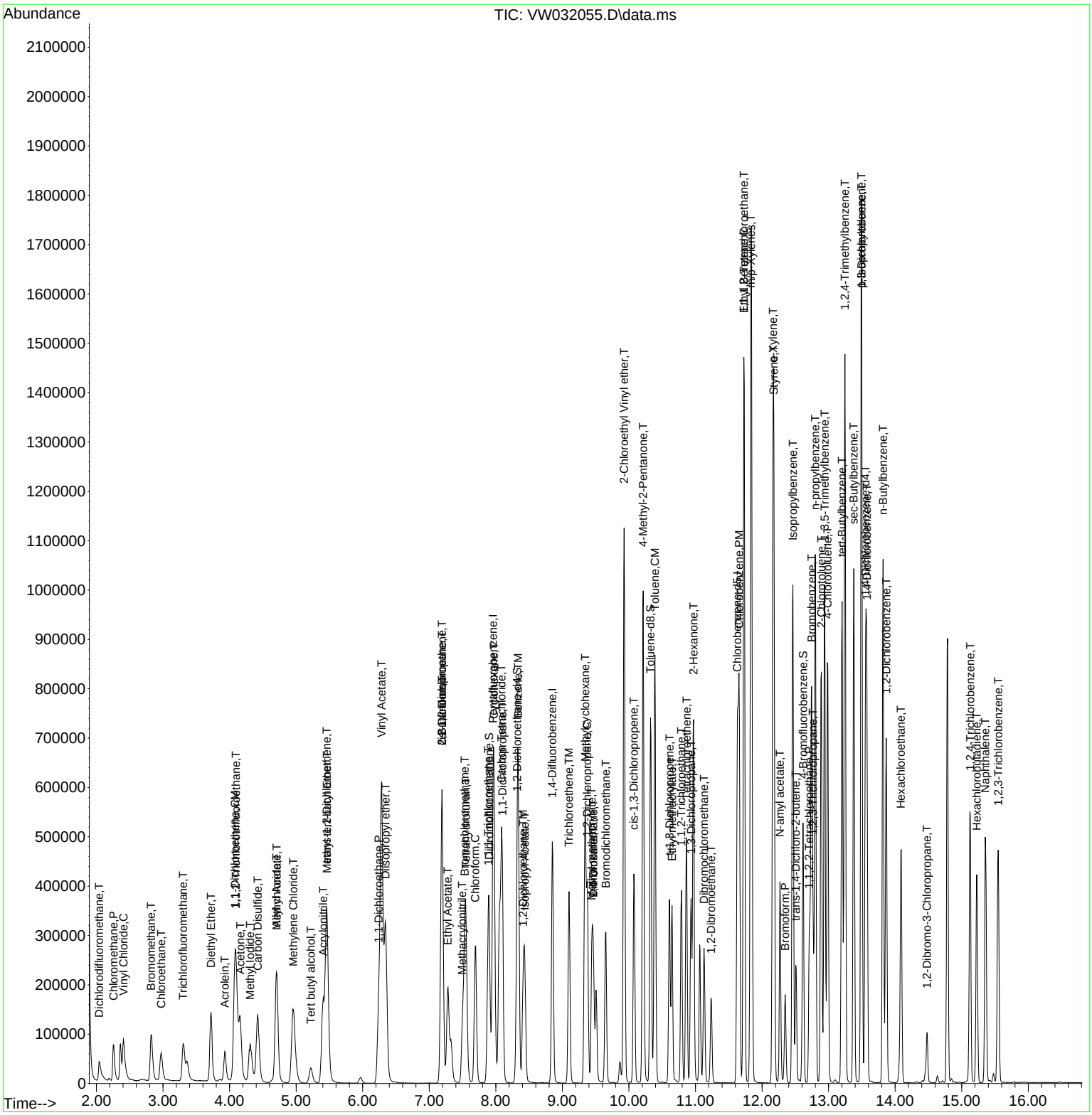
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032055.D
Acq On : 11 Aug 2025 10:09
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 12 03:38:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



QC SAMPLE DATA

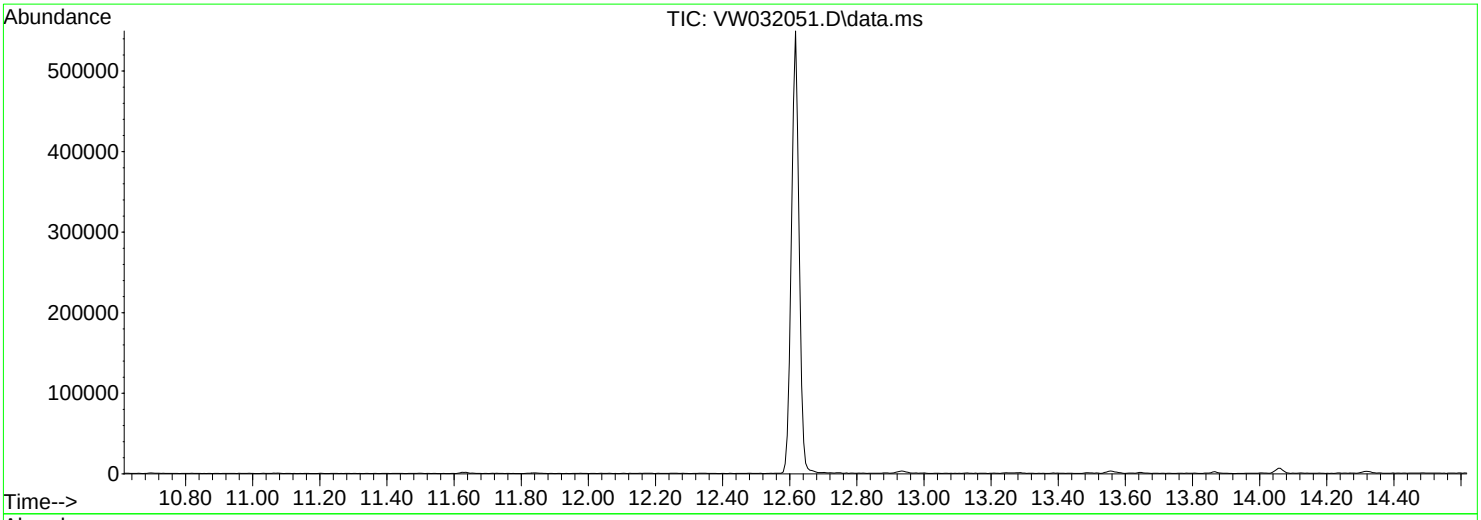
Sample Results: **VW032051.D**

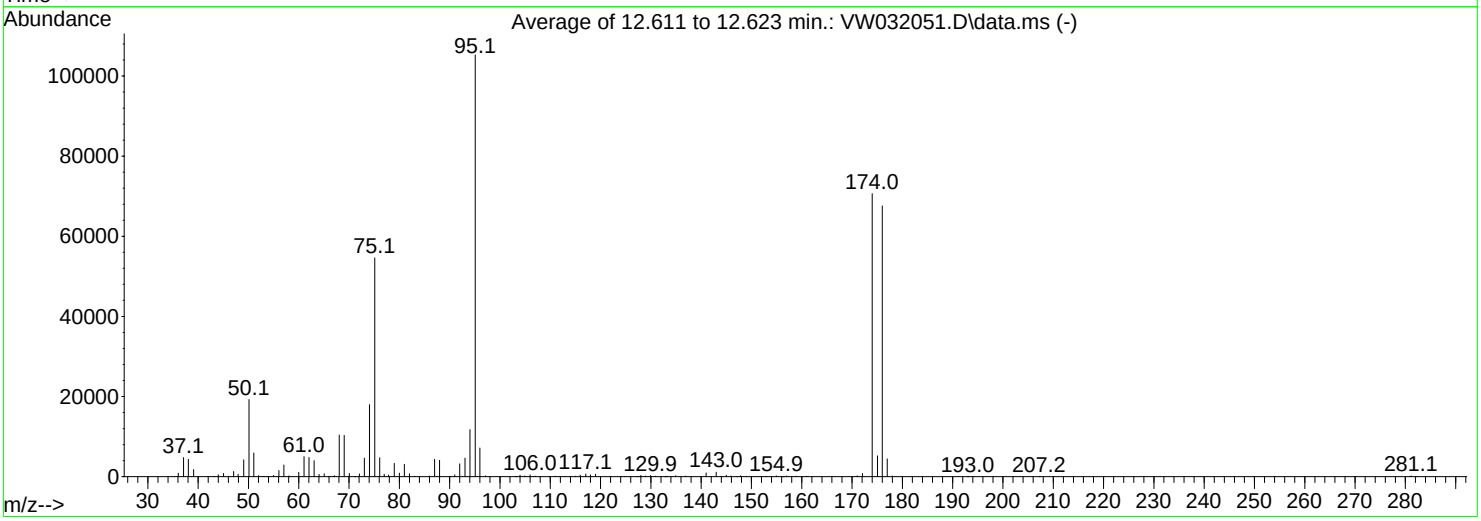
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032051.D
Acq On : 11 Aug 2025 07:53
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260
Last Update : Tue Aug 12 04:04:48 2025





AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	19253	PASS
75	95	30	60	51.9	54621	PASS
95	95	100	100	100.0	105291	PASS
96	95	5	9	6.8	7140	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.1	70667	PASS
175	174	5	9	7.3	5189	PASS
176	174	95	101	95.6	67573	PASS
177	176	5	9	6.5	4421	PASS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBL01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032060.D	1	08/11/25 12:18	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Raw Data: **VW032060.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBL01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032060.D	1	08/11/25 12:18	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	49.1		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		17 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	7.959			
540-36-3	1,4-Difluorobenzene	392000	8.849			
3114-55-4	Chlorobenzene-d5	359000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.556			

Raw Data: **VW032060.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBL01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032060.D	1	08/11/25 12:18	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032060.D
Acq On : 11 Aug 2025 12:18
Operator : SY/MD
Sample : VW0811SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Quant Time: Aug 12 04:22:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	176404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	391811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	359327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	169733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	134172	52.590	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.180%			
35) Dibromofluoromethane	7.898	113	121027	47.813	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 95.620%			
50) Toluene-d8	10.325	98	459644	49.095	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 98.180%			
62) 4-Bromofluorobenzene	12.617	95	163583	47.413	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 94.820%			

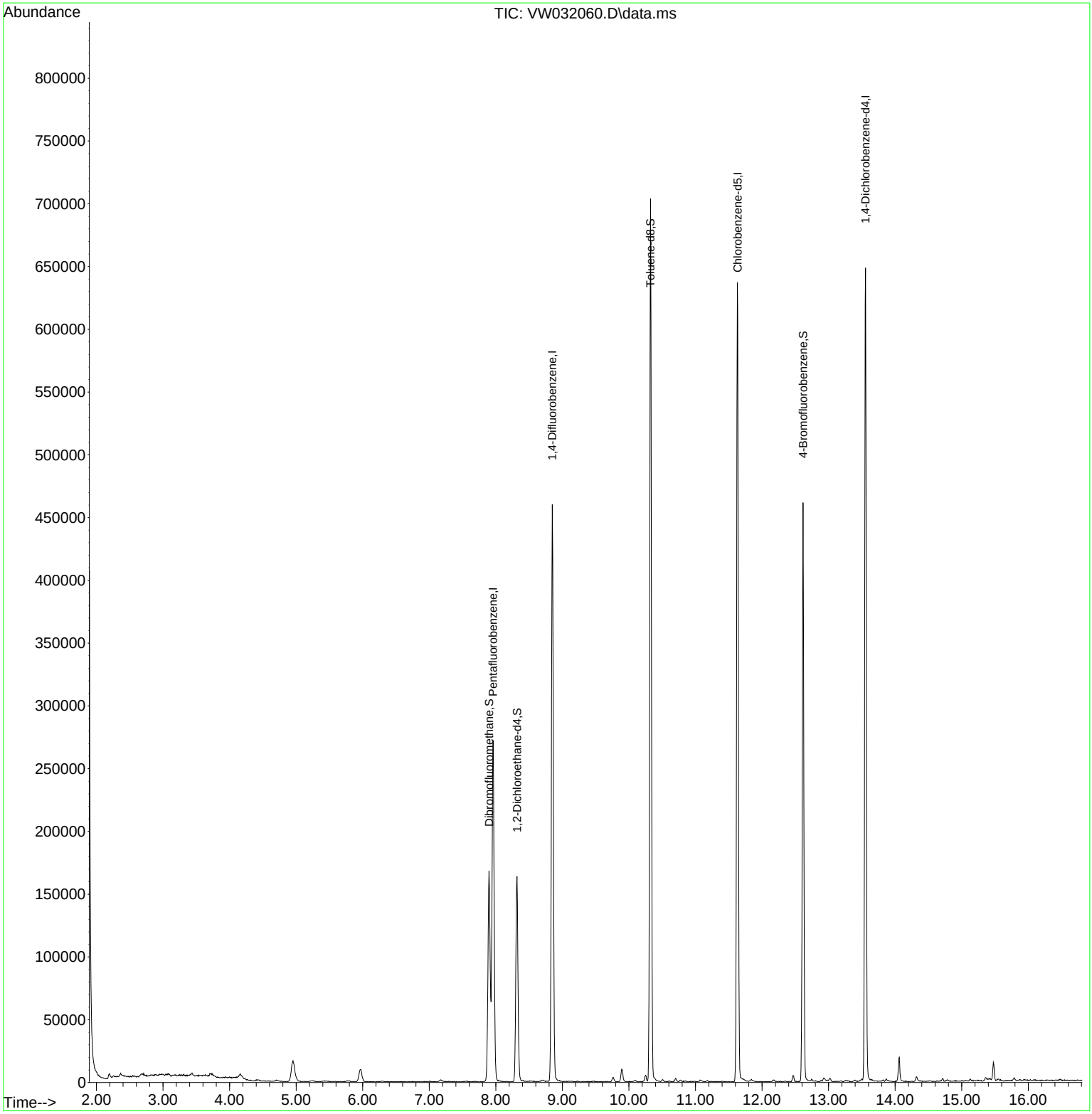
Target Compounds Qvalue

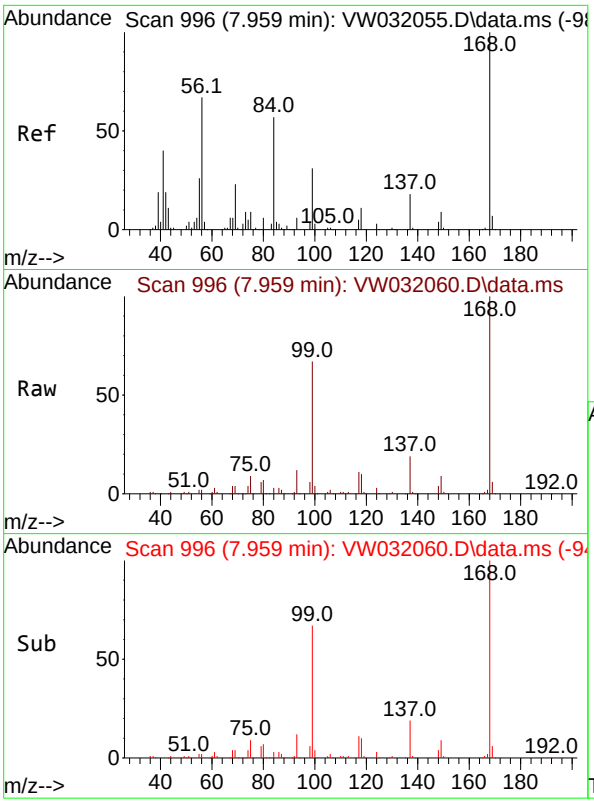
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032060.D
Acq On : 11 Aug 2025 12:18
Operator : SY/MD
Sample : VW0811SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Quant Time: Aug 12 04:22:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration



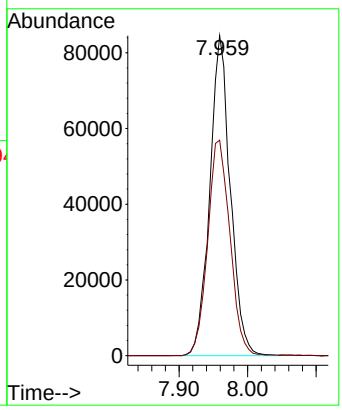


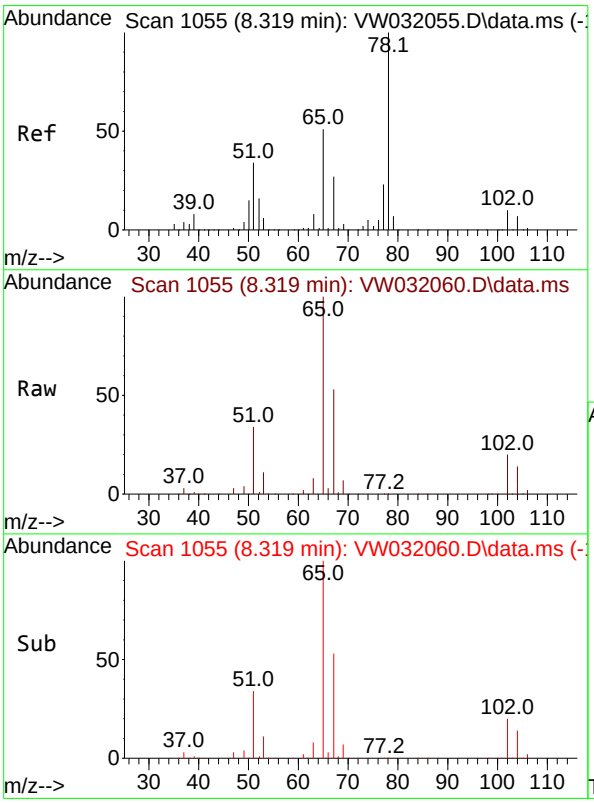
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Tgt Ion:168 Resp: 176404

Ion	Ratio	Lower	Upper
168	100		
99	67.3	56.0	84.0

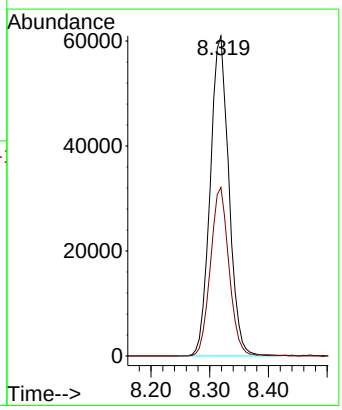


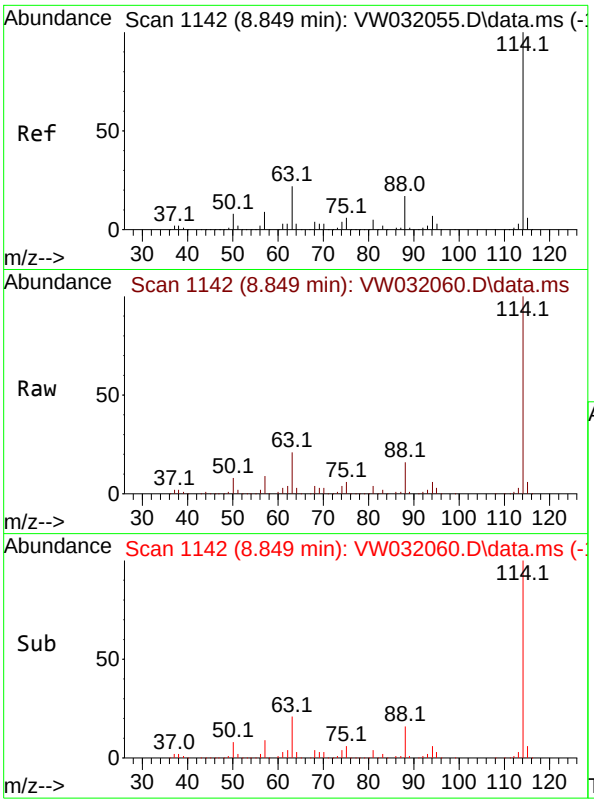


#33
1,2-Dichloroethane-d4
Concen: 52.590 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Tgt Ion: 65 Resp: 134172

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	102.4



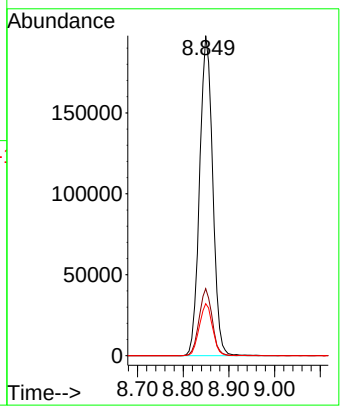


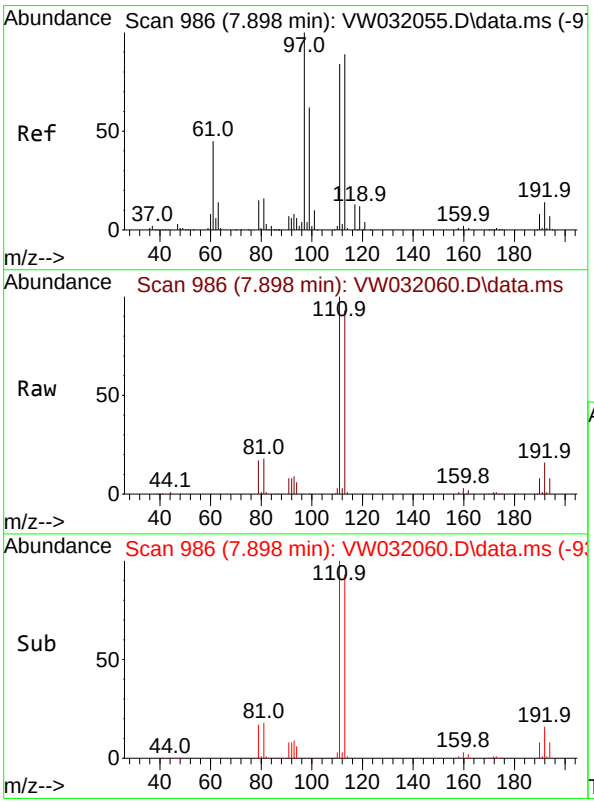
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Tgt Ion:114 Resp: 391811

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.0
88	16.3	0.0	33.8

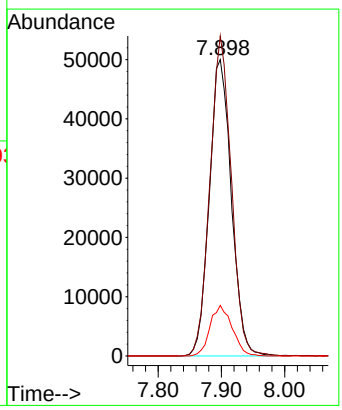


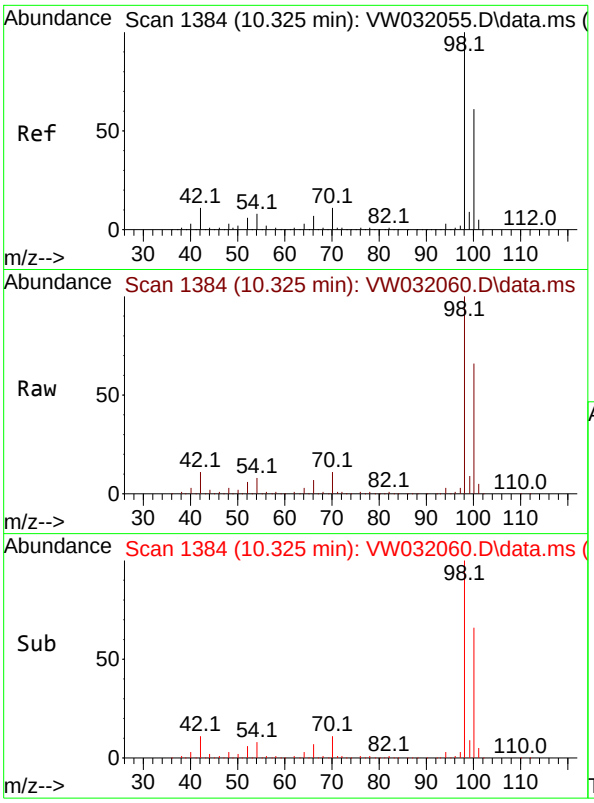


#35
Dibromofluoromethane
Concen: 47.813 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Tgt Ion:113 Resp: 121027

Ion	Ratio	Lower	Upper
113	100		
111	104.5	80.1	120.1
192	17.1	13.1	19.7



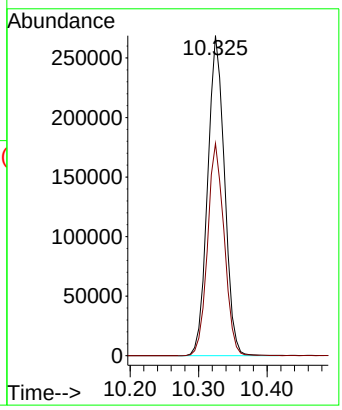


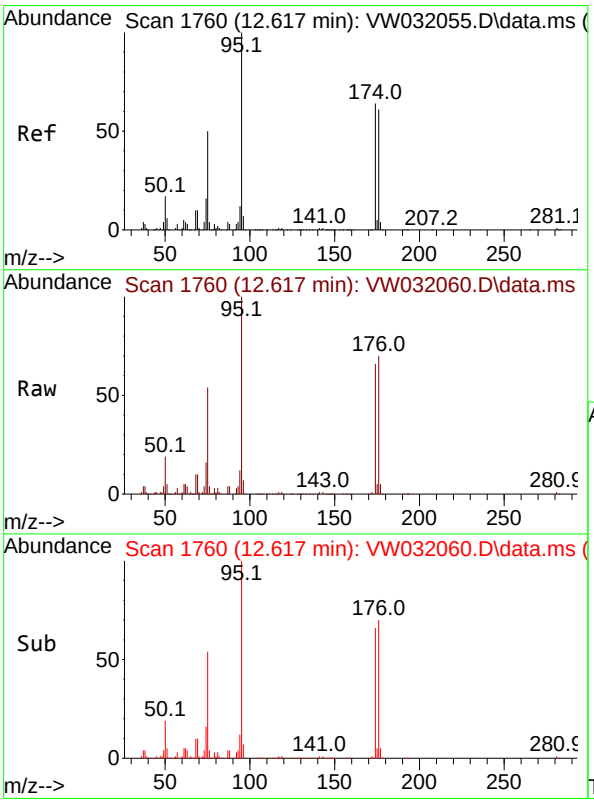
#50
Toluene-d8
Concen: 49.095 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Tgt Ion: 98 Resp: 459644

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.1	76.7

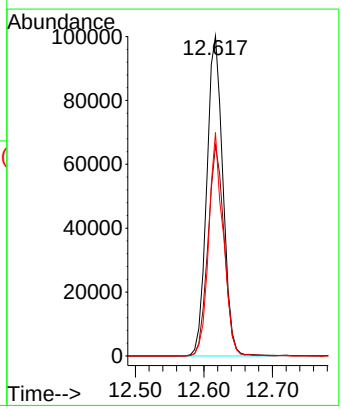


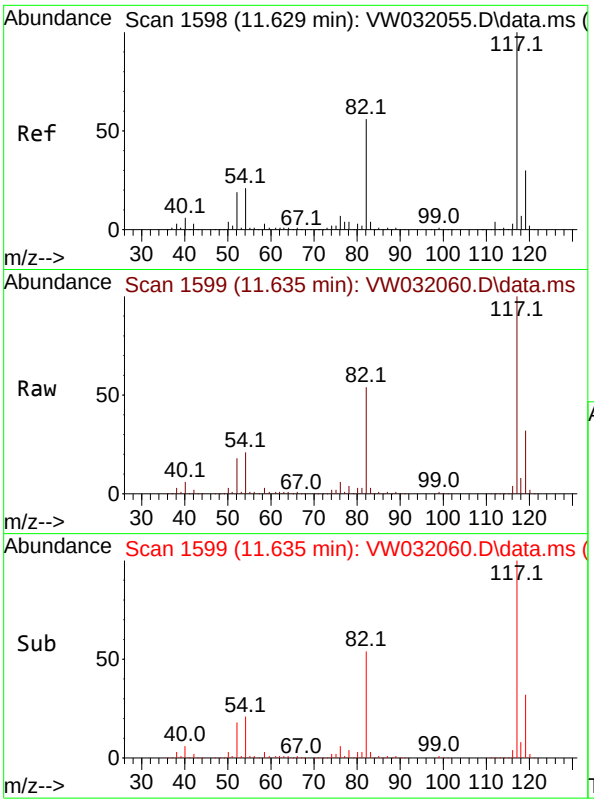


#62
4-Bromofluorobenzene
Concen: 47.413 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Tgt Ion: 95 Resp: 163583

Ion	Ratio	Lower	Upper
95	100		
174	66.1	0.0	129.0
176	62.9	0.0	124.6



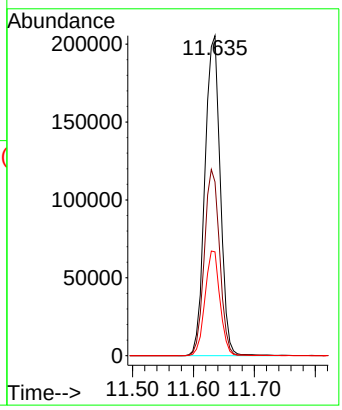


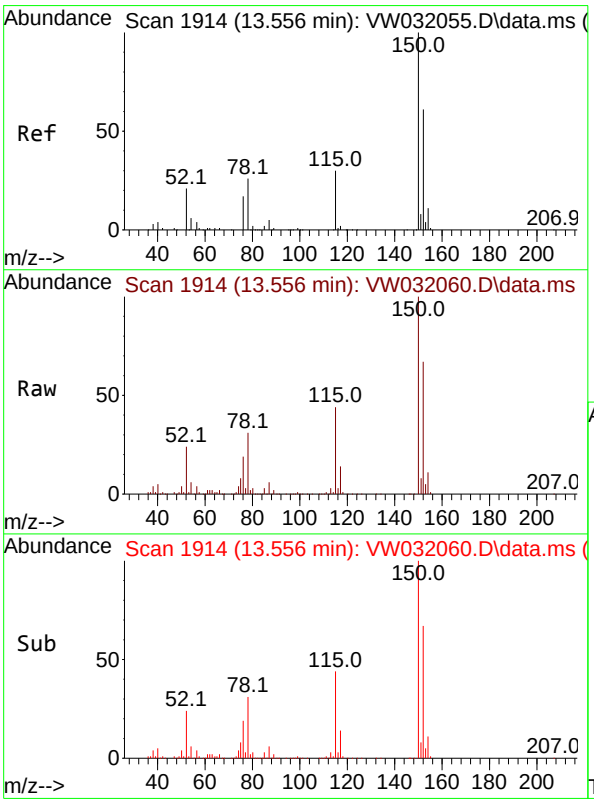
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Tgt Ion:117 Resp: 359327

Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.0	67.4
119	32.5	24.2	36.4

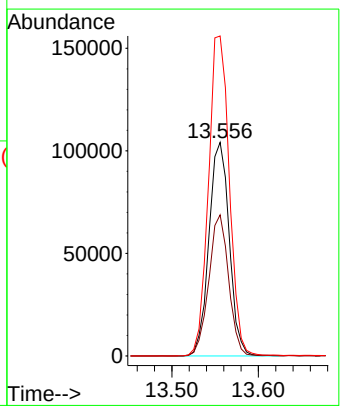




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Tgt Ion:152 Resp: 169733

Ion	Ratio	Lower	Upper
152	100		
115	64.8	32.6	97.8
150	154.1	0.0	359.4



Sample Results: **VW032060.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032060.D
Acq On : 11 Aug 2025 12:18
Operator : SY/MD
Sample : VW0811SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Title : SW846 8260

Signal : TIC: VW032060.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	490	503	518	rBV2	16589	63163	5.21%	0.961%
2	5.972	659	670	681	rVB2	9721	31421	2.59%	0.478%
3	7.898	976	986	991	rBV	167472	401435	33.08%	6.106%
4	7.959	991	996	1010	rVB	271374	586043	48.30%	8.914%
5	8.319	1045	1055	1066	rBV	163414	363364	29.95%	5.527%
6	8.849	1133	1142	1159	rBV	459336	918657	75.71%	13.974%
7	9.892	1306	1313	1323	rBV2	10139	21637	1.78%	0.329%
8	10.325	1376	1384	1404	rVB	703087	1213427	100.00%	18.457%
9	11.629	1589	1598	1606	rBV	636844	1115847	91.96%	16.973%
10	12.617	1752	1760	1772	rBV	460896	742846	61.22%	11.299%
11	13.556	1907	1914	1925	rBV	646925	1060143	87.37%	16.126%
12	14.062	1990	1997	2003	rBV2	19087	31499	2.60%	0.479%
13	15.476	2223	2229	2235	rVB	14627	24703	2.04%	0.376%

Sum of corrected areas: 6574185

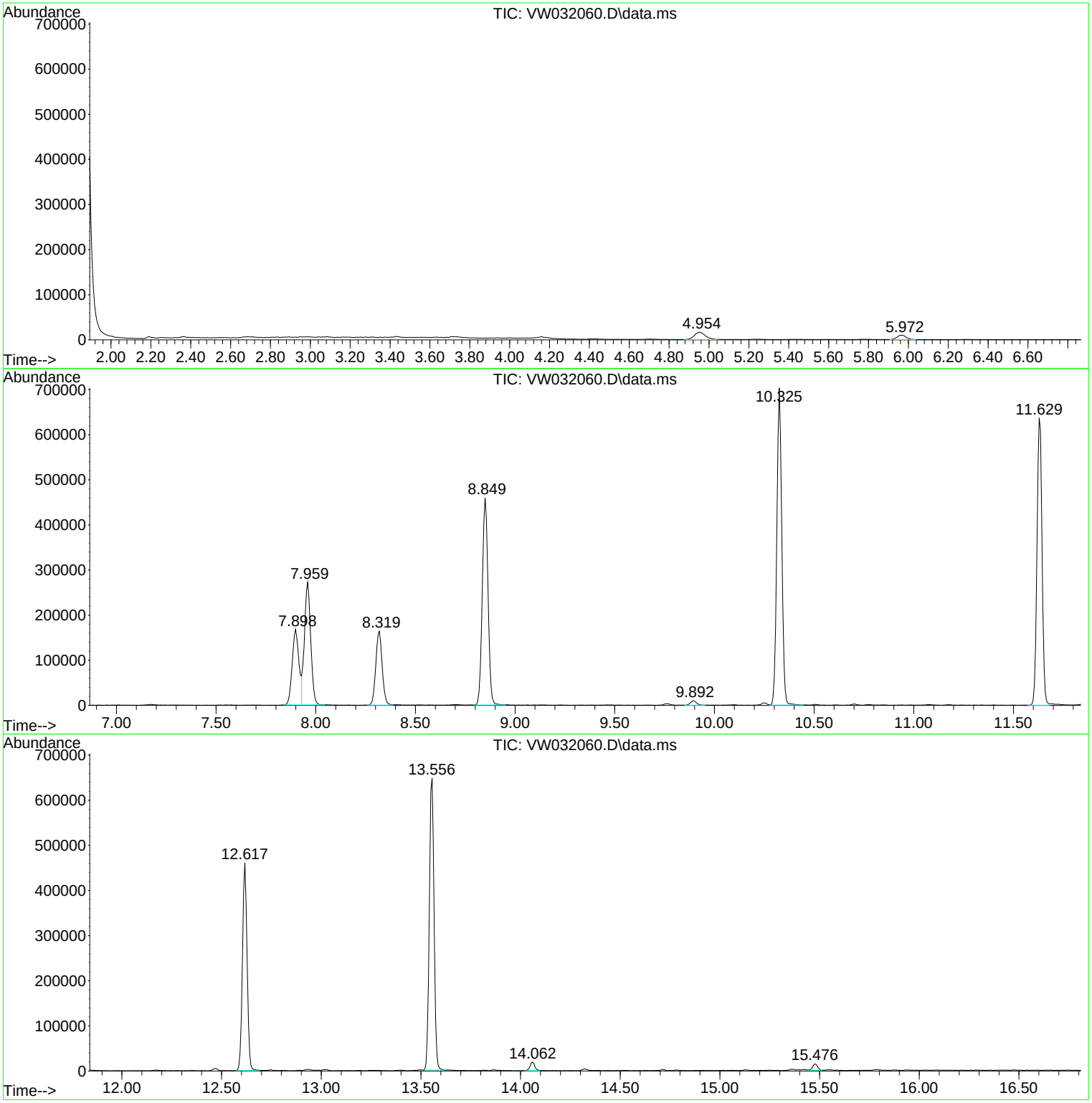
Sample Results: **VW032060.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032060.D
Acq On : 11 Aug 2025 12:18
Operator : SY/MD
Sample : VW0811SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VW032060.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032060.D
Acq On : 11 Aug 2025 12:18
Operator : SY/MD
Sample : VW0811SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032060.D
Acq On : 11 Aug 2025 12:18
Operator : SY/MD
Sample : VW0811SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBS01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032061.D	1	08/11/25 12:48	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.8		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	17.6		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.4		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.2		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.9		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.7		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.0		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.7		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	21.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	21.0		0.78	5.00	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBS01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032061.D	1	08/11/25 12:48	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.8		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.2		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.1		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.5		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	49.8		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		17 - 146	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	224000	7.959			
540-36-3	1,4-Difluorobenzene	428000	8.849			
3114-55-4	Chlorobenzene-d5	395000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	192000	13.556			

Raw Data: **VW032061.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBS01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032061.D	1	08/11/25 12:48	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032061.D
Acq On : 11 Aug 2025 12:48
Operator : SY/MD
Sample : VW0811SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 12 04:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	224181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	427747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	394820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	191594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	164557	50.753	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 101.500%			
35) Dibromofluoromethane	7.898	113	135084	48.883	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.760%			
50) Toluene-d8	10.325	98	508647	49.765	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.617	95	197267	52.373	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	34210	21.336	ug/l	99
3) Chloromethane	2.253	50	44827	20.755	ug/l	100
4) Vinyl Chloride	2.405	62	55119	21.098	ug/l	96
5) Bromomethane	2.814	94	42172	21.516	ug/l	100
6) Chloroethane	2.972	64	36005	20.827	ug/l	93
7) Trichlorofluoromethane	3.302	101	36824	17.595	ug/l	97
8) Diethyl Ether	3.716	74	36836	21.483	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.094	101	49645	20.107	ug/l	99
10) Methyl Iodide	4.301	142	76912	21.970	ug/l	99
11) Tert butyl alcohol	5.222	59	21680	103.263	ug/l	99
12) 1,1-Dichloroethene	4.076	96	55559	20.435	ug/l	98
13) Acrolein	3.923	56	37149	111.050	ug/l	100
14) Allyl chloride	4.704	41	84834	21.439	ug/l	100
15) Acrylonitrile	5.399	53	86103	105.428	ug/l	99
16) Acetone	4.155	43	86915	115.783	ug/l	99
17) Carbon Disulfide	4.417	76	147760	20.248	ug/l	97
18) Methyl Acetate	4.704	43	51464	21.665	ug/l	99
19) Methyl tert-butyl Ether	5.454	73	104973	21.914	ug/l	99
20) Methylene Chloride	4.948	84	74303	21.408	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	59717	20.698	ug/l	96
22) Diisopropyl ether	6.338	45	180946	21.692	ug/l	98
23) Vinyl Acetate	6.283	43	585943	106.987	ug/l	99
24) 1,1-Dichloroethane	6.240	63	111769	20.971	ug/l	97
25) 2-Butanone	7.191	43	119059	111.594	ug/l	99
26) 2,2-Dichloropropane	7.185	77	55490	20.753	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	71568	21.221	ug/l	97
28) Bromochloromethane	7.526	49	49722	20.501	ug/l	100
29) Tetrahydrofuran	7.551	42	75818	107.756	ug/l	100
30) Chloroform	7.691	83	119431	21.137	ug/l	99
31) Cyclohexane	7.965	56	92372	19.992	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	84982	20.707	ug/l	97
36) 1,1-Dichloropropene	8.093	75	78541	20.161	ug/l	99
37) Ethyl Acetate	7.270	43	48130	20.977	ug/l	99
38) Carbon Tetrachloride	8.081	117	75079	19.971	ug/l	92
39) Methylcyclohexane	9.343	83	94968	20.000	ug/l	93
40) Benzene	8.337	78	254209	20.993	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032061.D
Acq On : 11 Aug 2025 12:48
Operator : SY/MD
Sample : VW0811SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 12 04:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	28577	21.963	ug/l		98
42) 1,2-Dichloroethane	8.410	62	81049	20.917	ug/l		98
43) Isopropyl Acetate	8.435	43	86573	20.509	ug/l		99
44) Trichloroethene	9.099	130	58362	20.238	ug/l		99
45) 1,2-Dichloropropane	9.374	63	61430	20.998	ug/l		100
46) Dibromomethane	9.465	93	38496	20.389	ug/l		97
47) Bromodichloromethane	9.648	83	88565	20.356	ug/l		96
48) Methyl methacrylate	9.441	41	43518	21.354	ug/l		98
49) 1,4-Dioxane	9.459	88	9712	397.829	ug/l		97
51) 4-Methyl-2-Pentanone	10.209	43	253567	106.423	ug/l		99
52) Toluene	10.386	92	160474	21.039	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	83098	20.387	ug/l		99
54) cis-1,3-Dichloropropene	10.075	75	96489	20.866	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	52115	20.771	ug/l		98
56) Ethyl methacrylate	10.648	69	71491	21.293	ug/l		98
57) 1,3-Dichloropropane	10.934	76	91289	20.874	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	195002	105.002	ug/l		99
59) 2-Hexanone	10.971	43	178926	108.432	ug/l		99
60) Dibromochloromethane	11.129	129	58977	20.578	ug/l		97
61) 1,2-Dibromoethane	11.239	107	51647	21.183	ug/l		100
64) Tetrachloroethene	10.861	164	48059	21.074	ug/l		97
65) Chlorobenzene	11.660	112	173499	20.189	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.727	131	53383	19.910	ug/l		99
67) Ethyl Benzene	11.727	91	293010	20.129	ug/l		96
68) m/p-Xylenes	11.837	106	229740	40.901	ug/l		98
69) o-Xylene	12.166	106	110031	21.194	ug/l		95
70) Styrene	12.178	104	192666	20.893	ug/l		98
71) Bromoform	12.349	173	30108	19.630	ug/l	#	97
73) Isopropylbenzene	12.465	105	266790	19.925	ug/l		99
74) N-amyl acetate	12.269	43	78852	20.526	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	63958	20.118	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	48380m	18.605	ug/l		
77) Bromobenzene	12.745	156	65314	20.423	ug/l		98
78) n-propylbenzene	12.800	91	339857	20.616	ug/l		98
79) 2-Chlorotoluene	12.885	91	209277	20.570	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	238429	20.975	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	18566	18.484	ug/l		92
82) 4-Chlorotoluene	12.983	91	222101	20.547	ug/l		100
83) tert-Butylbenzene	13.202	119	196393	20.817	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	241596	20.878	ug/l		99
85) sec-Butylbenzene	13.379	105	282666	19.818	ug/l		99
86) p-Isopropyltoluene	13.495	119	238749	20.078	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	129585	20.364	ug/l		96
88) 1,4-Dichlorobenzene	13.574	146	132968	20.677	ug/l		100
89) n-Butylbenzene	13.818	91	235392	20.377	ug/l		98
90) Hexachloroethane	14.092	117	41522	19.094	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	116780	20.259	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11343	20.070	ug/l		98
93) 1,2,4-Trichlorobenzene	15.123	180	67394	19.544	ug/l		99
94) Hexachlorobutadiene	15.226	225	31990	20.753	ug/l		93
95) Naphthalene	15.360	128	173199	20.498	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	67287	21.446	ug/l		99

Sample Results: **VW032061.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032061.D
Acq On : 11 Aug 2025 12:48
Operator : SY/MD
Sample : VW0811SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 04:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

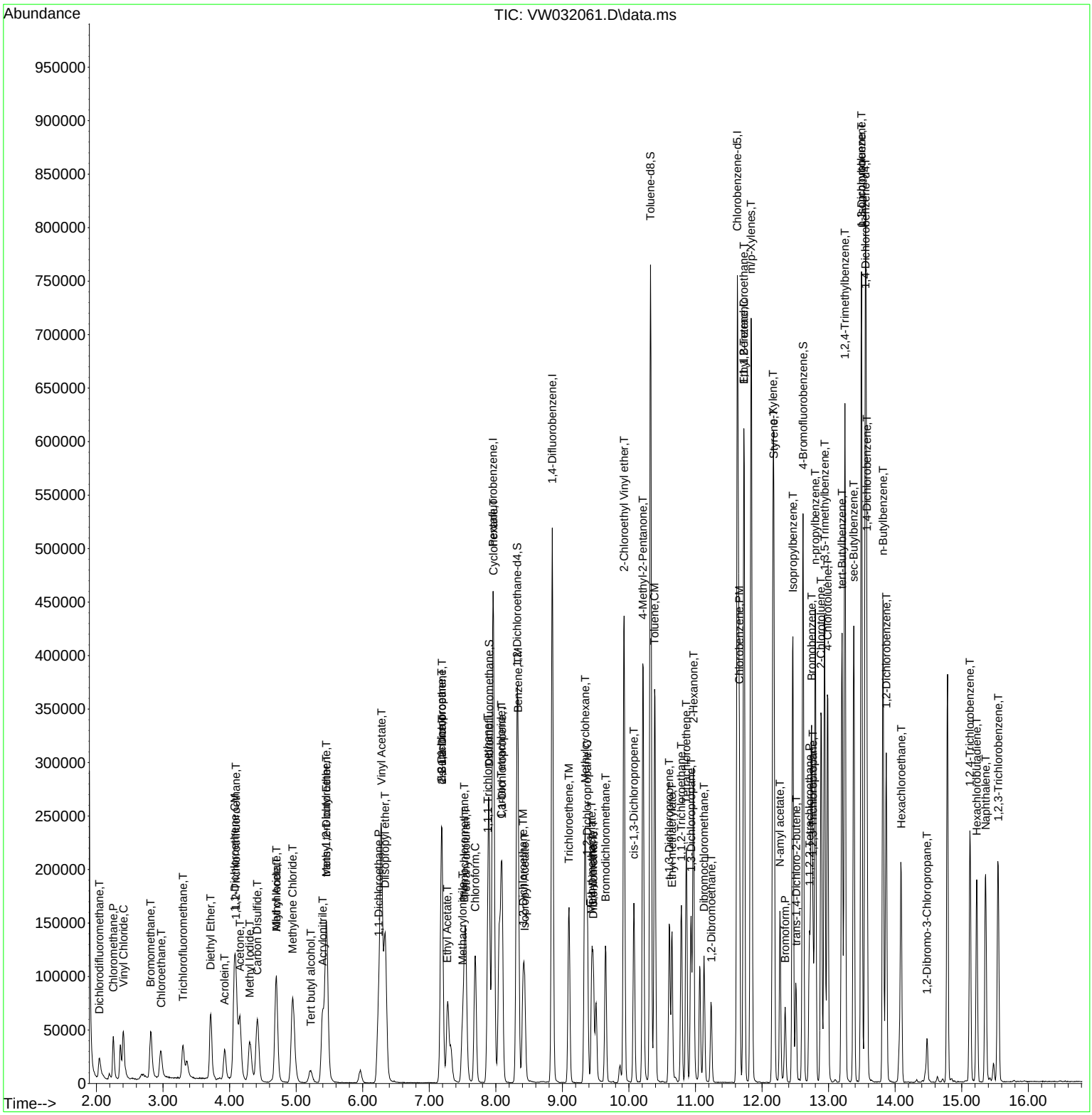
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032061.D
Acq On : 11 Aug 2025 12:48
Operator : SY/MD
Sample : VW0811SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 12 04:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBSD01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032062.D	1	08/11/25 13:10	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	21.5		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.9		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.2		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.0		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.6		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.5		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.4		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.1		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBSD01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032062.D	1	08/11/25 13:10	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.4		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.7		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.7		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.4		0.82	5.00	ug/Kg
100-42-5	Styrene	20.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.2		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.6		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0		70 - 134	94%	SPK: 50
2037-26-5	Toluene-d8	48.3		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	227000	7.959			
540-36-3	1,4-Difluorobenzene	442000	8.849			
3114-55-4	Chlorobenzene-d5	400000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	196000	13.556			

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	VW0811SBSD01	SDG No.:	Q2818
Lab Sample ID:	VW0811SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032062.D	1	08/11/25 13:10	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032062.D
Acq On : 11 Aug 2025 13:10
Operator : SY/MD
Sample : VW0811SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 12 04:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	226773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	441696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	400240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	195548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163196	49.758	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.520%		
35) Dibromofluoromethane	7.904	113	134207	47.032	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	94.060%		
50) Toluene-d8	10.331	98	509734	48.296	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	96.600%		
62) 4-Bromofluorobenzene	12.617	95	193625	49.782	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	99.560%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	33141	20.433	ug/l	95
3) Chloromethane	2.253	50	46903	21.468	ug/l	96
4) Vinyl Chloride	2.405	62	54316	20.553	ug/l	95
5) Bromomethane	2.820	94	41922	21.144	ug/l	99
6) Chloroethane	2.972	64	36568	20.911	ug/l	100
7) Trichlorofluoromethane	3.308	101	43905	20.739	ug/l	93
8) Diethyl Ether	3.722	74	36629	21.118	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	49478	19.810	ug/l	99
10) Methyl Iodide	4.307	142	73761	20.829	ug/l	98
11) Tert butyl alcohol	5.222	59	22637	106.589	ug/l	98
12) 1,1-Dichloroethene	4.076	96	55617	20.223	ug/l	92
13) Acrolein	3.929	56	36383	107.518	ug/l	99
14) Allyl chloride	4.698	41	83613	20.889	ug/l	99
15) Acrylonitrile	5.405	53	88342	106.933	ug/l	99
16) Acetone	4.155	43	82994	109.296	ug/l	99
17) Carbon Disulfide	4.423	76	147711	20.010	ug/l	98
18) Methyl Acetate	4.710	43	51758	21.540	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	105734	21.820	ug/l	96
20) Methylene Chloride	4.947	84	75897	21.617	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	59755	20.474	ug/l	93
22) Diisopropyl ether	6.337	45	181364	21.493	ug/l	92
23) Vinyl Acetate	6.283	43	596458	107.662	ug/l	99
24) 1,1-Dichloroethane	6.246	63	110715	20.536	ug/l	98
25) 2-Butanone	7.191	43	119355	110.592	ug/l	100
26) 2,2-Dichloropropane	7.191	77	57308	21.188	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	71058	20.829	ug/l	99
28) Bromochloromethane	7.532	49	49164	20.039	ug/l	99
29) Tetrahydrofuran	7.557	42	77560	108.972	ug/l	100
30) Chloroform	7.691	83	119914	20.980	ug/l	97
31) Cyclohexane	7.971	56	94081	20.129	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	84762	20.417	ug/l	98
36) 1,1-Dichloropropene	8.099	75	79280	19.708	ug/l	99
37) Ethyl Acetate	7.276	43	48057	20.284	ug/l	98
38) Carbon Tetrachloride	8.087	117	76962	19.825	ug/l	88
39) Methylcyclohexane	9.343	83	98634	20.117	ug/l	95
40) Benzene	8.337	78	252942	20.229	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032062.D
Acq On : 11 Aug 2025 13:10
Operator : SY/MD
Sample : VW0811SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 12 04:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	27124	20.188	ug/l		93
42) 1,2-Dichloroethane	8.416	62	83160	20.784	ug/l		99
43) Isopropyl Acetate	8.435	43	88890	20.393	ug/l		100
44) Trichloroethene	9.105	130	59840	20.095	ug/l		97
45) 1,2-Dichloropropane	9.373	63	60825	20.135	ug/l		95
46) Dibromomethane	9.465	93	39289	20.151	ug/l		98
47) Bromodichloromethane	9.654	83	89761	19.980	ug/l		96
48) Methyl methacrylate	9.441	41	43222	20.539	ug/l		99
49) 1,4-Dioxane	9.465	88	10586	419.936	ug/l		87
51) 4-Methyl-2-Pentanone	10.215	43	257970	104.852	ug/l		100
52) Toluene	10.392	92	161185	20.465	ug/l		100
53) t-1,3-Dichloropropene	10.611	75	84143	19.991	ug/l		99
54) cis-1,3-Dichloropropene	10.081	75	97621	20.444	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	53687	20.722	ug/l		97
56) Ethyl methacrylate	10.648	69	72299	20.854	ug/l		97
57) 1,3-Dichloropropane	10.934	76	90595	20.061	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	192035	100.139	ug/l		99
59) 2-Hexanone	10.971	43	180946	106.193	ug/l		100
60) Dibromochloromethane	11.129	129	59430	20.081	ug/l		100
61) 1,2-Dibromoethane	11.233	107	52100	20.693	ug/l		99
64) Tetrachloroethene	10.867	164	47470	20.534	ug/l		91
65) Chlorobenzene	11.660	112	176392	20.247	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.733	131	54330	19.988	ug/l		96
67) Ethyl Benzene	11.727	91	302504	20.500	ug/l		97
68) m/p-Xylenes	11.836	106	231893	40.725	ug/l		96
69) o-Xylene	12.166	106	107543	20.434	ug/l		99
70) Styrene	12.178	104	194078	20.761	ug/l		100
71) Bromoform	12.349	173	31350	20.163	ug/l	#	99
73) Isopropylbenzene	12.464	105	266409	19.494	ug/l		99
74) N-amyl acetate	12.269	43	79492	20.275	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.714	83	66644	20.539	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	57672m	21.730	ug/l		
77) Bromobenzene	12.745	156	67682	20.736	ug/l		97
78) n-propylbenzene	12.800	91	340328	20.228	ug/l		100
79) 2-Chlorotoluene	12.891	91	209148	20.142	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	234936	20.250	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	19731	19.247	ug/l		92
82) 4-Chlorotoluene	12.989	91	220054	19.946	ug/l		98
83) tert-Butylbenzene	13.202	119	194628	20.213	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	247687	20.972	ug/l		99
85) sec-Butylbenzene	13.379	105	295479	20.297	ug/l		98
86) p-Isopropyltoluene	13.495	119	247079	20.359	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	134680	20.737	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	136123	20.740	ug/l		98
89) n-Butylbenzene	13.818	91	235344	19.961	ug/l		99
90) Hexachloroethane	14.086	117	41787	18.827	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	122421	20.808	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	11304	19.597	ug/l		99
93) 1,2,4-Trichlorobenzene	15.122	180	71854	20.416	ug/l		95
94) Hexachlorobutadiene	15.226	225	30590	19.444	ug/l		99
95) Naphthalene	15.360	128	174401	20.223	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	65985	20.606	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032062.D
Acq On : 11 Aug 2025 13:10
Operator : SY/MD
Sample : VW0811SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 04:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

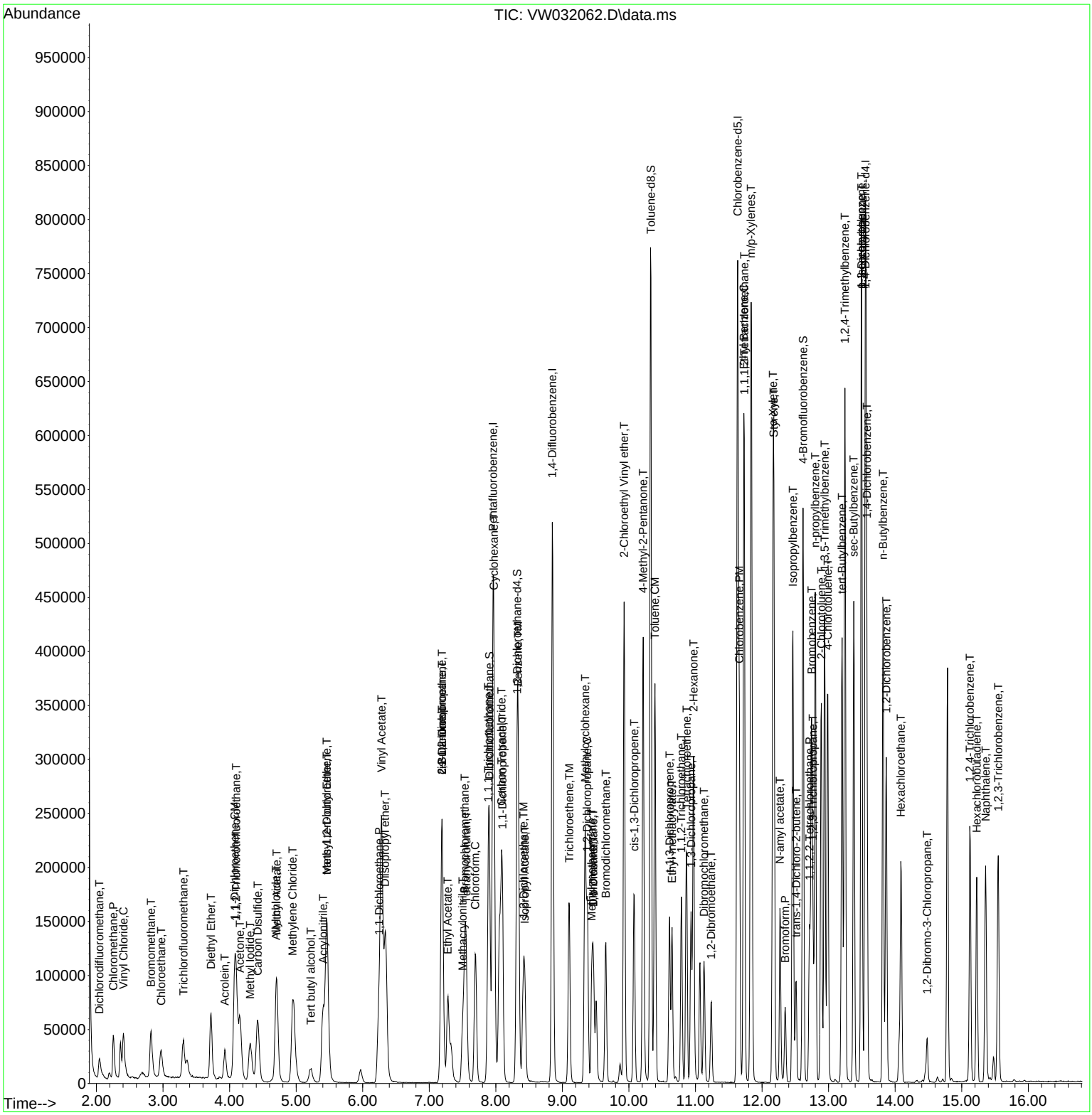
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032062.D
Acq On : 11 Aug 2025 13:10
Operator : SY/MD
Sample : VW0811SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 12 04:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
Supervised By :Semsettin Yesilyurt 08/12/2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	vw081125	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW032052.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:11:01 PM	SAM	8/12/2025 1:13:53 PM	Peak Integrated by Software
VSTDICC010	VW032053.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:59 PM	SAM	8/12/2025 1:13:55 PM	Peak Integrated by Software
VSTDICC020	VW032054.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:56 PM	SAM	8/12/2025 1:13:56 PM	Peak Integrated by Software
VSTDICCC050	VW032055.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:54 PM	SAM	8/12/2025 1:13:57 PM	Peak Integrated by Software
VSTDICC100	VW032056.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:53 PM	SAM	8/12/2025 1:13:59 PM	Peak Integrated by Software
VSTDICC150	VW032057.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:51 PM	SAM	8/12/2025 1:14:01 PM	Peak Integrated by Software
VSTDICV050	VW032059.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:49 PM	SAM	8/12/2025 1:14:02 PM	Peak Integrated by Software
VW0811SBS01	VW032061.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:47 PM	SAM	8/12/2025 1:14:04 PM	Peak Integrated by Software
VW0811SBSD01	VW032062.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:46 PM	SAM	8/12/2025 1:14:05 PM	Peak Integrated by Software
VSTDCCC050	VW032078.D	1,2,3-Trichloropropane	MMDadoda	8/12/2025 1:10:44 PM	SAM	8/12/2025 1:14:07 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW081125

Review By	Mahesh Dadoda	Review On	8/12/2025 1:11:21 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	8/12/2025 1:14:36 PM				
SubDirectory	VW081125	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135074
Initial Calibration Stds	VP135075,VP135076,VP135077,VP135078,VP135079,VP135080
CCC	VP135082
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135081
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032051.D	11 Aug 2025 07:53	SY/MD	Ok
2	VSTDICC005	VW032052.D	11 Aug 2025 08:25	SY/MD	Ok,M
3	VSTDICC010	VW032053.D	11 Aug 2025 09:09	SY/MD	Ok,M
4	VSTDICC020	VW032054.D	11 Aug 2025 09:47	SY/MD	Ok,M
5	VSTDICCC050	VW032055.D	11 Aug 2025 10:09	SY/MD	Ok,M
6	VSTDICC100	VW032056.D	11 Aug 2025 10:46	SY/MD	Ok,M
7	VSTDICC150	VW032057.D	11 Aug 2025 11:08	SY/MD	Ok,M
8	VIBLK	VW032058.D	11 Aug 2025 11:30	SY/MD	Ok
9	VSTDICV050	VW032059.D	11 Aug 2025 11:51	SY/MD	Ok,M
10	VW0811SBL01	VW032060.D	11 Aug 2025 12:18	SY/MD	Ok
11	VW0811SBS01	VW032061.D	11 Aug 2025 12:48	SY/MD	Ok,M
12	VW0811SBSD01	VW032062.D	11 Aug 2025 13:10	SY/MD	Ok,M
13	Q2807-01	VW032063.D	11 Aug 2025 14:00	SY/MD	Ok
14	Q2807-02	VW032064.D	11 Aug 2025 14:22	SY/MD	Ok
15	Q2807-03	VW032065.D	11 Aug 2025 14:44	SY/MD	Ok
16	Q2808-03	VW032066.D	11 Aug 2025 15:06	SY/MD	Ok
17	Q2809-01	VW032067.D	11 Aug 2025 15:28	SY/MD	Ok
18	Q2823-01	VW032068.D	11 Aug 2025 15:50	SY/MD	Ok
19	Q2818-01	VW032069.D	11 Aug 2025 16:12	SY/MD	Ok
20	Q2818-02	VW032070.D	11 Aug 2025 16:34	SY/MD	Ok
21	Q2819-01	VW032071.D	11 Aug 2025 16:56	SY/MD	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW081125

Review By	Mahesh Dadoda	Review On	8/12/2025 1:11:21 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	8/12/2025 1:14:36 PM				
SubDirectory	VW081125	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135074
Initial Calibration Stds	VP135075,VP135076,VP135077,VP135078,VP135079,VP135080
CCC	VP135082
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135081
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2819-02	VW032072.D	11 Aug 2025 17:18	SY/MD	Ok
23	Q2819-03	VW032073.D	11 Aug 2025 17:41	SY/MD	Ok
24	Q2819-04	VW032074.D	11 Aug 2025 18:03	SY/MD	Ok
25	Q2819-05	VW032075.D	11 Aug 2025 18:25	SY/MD	Ok
26	Q2819-06	VW032076.D	11 Aug 2025 18:47	SY/MD	Ok
27	VIBLK	VW032077.D	11 Aug 2025 19:09	SY/MD	Ok
28	VSTDCCC050	VW032078.D	11 Aug 2025 19:31	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW081125

Review By	Mahesh Dadoda	Review On	8/12/2025 1:11:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/12/2025 1:14:36 PM		
SubDirectory	VW081125	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135074
Initial Calibration Stds	VP135075,VP135076,VP135077,VP135078,VP135079,VP135080
CCC	VP135082
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135081
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032051.D	11 Aug 2025 07:53		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW032052.D	11 Aug 2025 08:25		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW032053.D	11 Aug 2025 09:09		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW032054.D	11 Aug 2025 09:47		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW032055.D	11 Aug 2025 10:09		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW032056.D	11 Aug 2025 10:46		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW032057.D	11 Aug 2025 11:08		SY/MD	Ok,M
8	VIBLK	VIBLK	VW032058.D	11 Aug 2025 11:30		SY/MD	Ok
9	VSTDICV050	ICVVW081125	VW032059.D	11 Aug 2025 11:51		SY/MD	Ok,M
10	VW0811SBL01	VW0811SBL01	VW032060.D	11 Aug 2025 12:18		SY/MD	Ok
11	VW0811SBS01	VW0811SBS01	VW032061.D	11 Aug 2025 12:48		SY/MD	Ok,M
12	VW0811SBSD01	VW0811SBSD01	VW032062.D	11 Aug 2025 13:10		SY/MD	Ok,M
13	Q2807-01	COMP-4	VW032063.D	11 Aug 2025 14:00	vial-A	SY/MD	Ok
14	Q2807-02	COMP-5	VW032064.D	11 Aug 2025 14:22	vial-A	SY/MD	Ok
15	Q2807-03	COMP-6	VW032065.D	11 Aug 2025 14:44	vial-A	SY/MD	Ok
16	Q2808-03	TP-7-VOC	VW032066.D	11 Aug 2025 15:06	vial-A	SY/MD	Ok
17	Q2809-01	OR-03-08082025	VW032067.D	11 Aug 2025 15:28	vial-A	SY/MD	Ok
18	Q2823-01	SU-04-081125	VW032068.D	11 Aug 2025 15:50	vial-A	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW081125

Review By	Mahesh Dadoda	Review On	8/12/2025 1:11:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/12/2025 1:14:36 PM		
SubDirectory	VW081125	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135074
Initial Calibration Stds	VP135075,VP135076,VP135077,VP135078,VP135079,VP135080
CCC	VP135082
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135081
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2818-01	B-2-5-1	VW032069.D	11 Aug 2025 16:12	vial-A	SY/MD	Ok
20	Q2818-02	B-3-5-2	VW032070.D	11 Aug 2025 16:34	vial-A	SY/MD	Ok
21	Q2819-01	22BP-N	VW032071.D	11 Aug 2025 16:56	vial-A	SY/MD	Ok
22	Q2819-02	22BP-E	VW032072.D	11 Aug 2025 17:18	vial-A	SY/MD	Ok
23	Q2819-03	22BP-W	VW032073.D	11 Aug 2025 17:41	vial-A	SY/MD	Ok
24	Q2819-04	22BP-S	VW032074.D	11 Aug 2025 18:03	vial-A	SY/MD	Ok
25	Q2819-05	11M-W	VW032075.D	11 Aug 2025 18:25	vial-A	SY/MD	Ok
26	Q2819-06	11M-S	VW032076.D	11 Aug 2025 18:47	vial-A	SY/MD	Ok
27	VIBLK	VIBLK	VW032077.D	11 Aug 2025 19:09		SY/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VW032078.D	11 Aug 2025 19:31		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/12/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 08/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136776

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2817-01	LEAD-PAINT-CHIPS	1	1.00	1.00	2.00	2.00	100.0	LEAD-PAINT-CHIPS
Q2818-01	B-2-5-1	2	1.15	10.59	11.74	10.42	87.5	
Q2818-02	B-3-5-2	3	1.16	10.66	11.82	10.66	89.1	
Q2823-01	SU-04-081125	4	1.13	10.70	11.83	11.11	93.3	
Q2823-02	SU-04-081125-E2	5	1.14	11.10	12.24	11.34	91.9	
Q2826-01	WC1	6	1.18	10.81	11.99	10.7	88.1	
Q2827-01	TP-8	7	1.16	11.41	12.57	7.33	54.1	
Q2827-02	TP-8-EPH	8	1.16	10.21	11.37	7.68	63.9	
Q2827-03	TP-8-VOC	9	1.18	10.87	12.05	9.22	74.0	
Q2827-05	TP-9	10	1.19	10.61	11.8	9.66	79.8	
Q2827-06	TP-9-EPH	11	1.16	10.06	11.22	8.93	77.2	
Q2827-07	TP-9-VOC	12	1.15	10.48	11.63	9.59	80.5	
Q2828-01	POWDER	13	1.19	10.32	11.51	11.45	99.4	
Q2829-01	SILICA	14	1.00	1.00	2.00	2.00	100.0	silica
Q2830-01	BIN0009-DRIVEWAY-TP-SOUTH-EAST	15	1.18	10.57	11.75	10.37	86.9	
Q2830-02	BIN0009-DRIVEWAY-TP-SOUTH-EAST	16	1.18	10.03	11.21	9.83	86.2	
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	17	1.18	10.74	11.92	10.37	85.6	
Q2830-04	BIN0009-DRIVEWAY-TP-WEST	18	1.15	10.59	11.74	10.21	85.6	
Q2830-05	BIN0009-DRIVEWAY-TP-WESTSIDE	19	1.19	10.46	11.65	9.66	81.0	
Q2830-06	BIN0009-DRIVEWAY-TP-WESTSIDE	20	1.15	10.94	12.09	9.36	75.0	
Q2830-07	BIN0009-DRIVEWAY-TP-EASTSIDE	21	1.18	10.48	11.66	9.22	76.7	
Q2830-08	BIN0009-DRIVEWAY-TP-EASTSIDE	22	1.19	10.66	11.85	9.67	79.5	
Q2831-01	VNJ-238	23	1.18	10.59	11.77	11.04	93.1	
Q2831-02	VNJ-238-VOC	24	1.19	10.62	11.81	11.04	92.7	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/12/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 08/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136776

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB136776

WorkList Name : %1-081125 **WorkList ID :** 191189 **Department :** Wet-Chemistry **Date :** 08-11-2025 08:22:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2817-01	LEAD-PAINT-CHIPS	Solid	Percent Solids	Cool 4 deg C	HOME01	D31	08/11/2025	Chemtech -SO
Q2818-01	B-2-5-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	J21	08/11/2025	Chemtech -SO
Q2818-02	B-3-5-2	Solid	Percent Solids	Cool 4 deg C	EARTH03	J21	08/11/2025	Chemtech -SO
Q2823-01	SU-04-081125	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/11/2025	Chemtech -SO
Q2823-02	SU-04-081125-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/11/2025	Chemtech -SO
Q2826-01	WC1	Solid	Percent Solids	Cool 4 deg C	GENV01	D31	08/11/2025	Chemtech -SO
Q2827-01	TP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2827-02	TP-8-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2827-03	TP-8-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2827-05	TP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2827-06	TP-9-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2827-07	TP-9-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2828-01	POWDER	Solid	Percent Solids	Cool 4 deg C	VIVA01	D21	08/11/2025	Chemtech -SO
Q2829-01	SILICA	Solid	Percent Solids	Cool 4 deg C	VIVA01	D21	08/11/2025	Chemtech -SO
Q2830-01	BIN009-DRIVEWAY-TP-SOUTH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2830-02	BIN009-DRIVEWAY-TP-SOUTH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2830-03	BIN009-DRIVEWAY-TP-WEST	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2830-04	BIN009-DRIVEWAY-TP-WEST	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2830-05	BIN009-DRIVEWAY-TP-WESTS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2830-06	BIN009-DRIVEWAY-TP-WESTS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2830-07	BIN009-DRIVEWAY-TP-EASTS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO

Date/Time 08.11.25 15:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 08.11.25 17:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB136776

WorkList Name : %1-081125 **WorkList ID :** 191189 **Department :** Wet-Chemistry **Date :** 08-11-2025 08:22:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2830-08	BIN009-DRIVEWAY-TP-EASTS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2831-01	VNJ-238	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/11/2025	Chemtech -SO
Q2831-02	VNJ-238-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/11/2025	Chemtech -SO

Date/Time 08.11.25 15:10
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 08.11.25 17:20
Raw Sample Received by:
Raw Sample Relinquished by:

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q 2818
COC Number 2047493

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: EARTH ENGINEERING INCORPORATED
ADDRESS: 403 Commerce Lane
CITY West Berlin STATE: NJ ZIP: 08091
ATTENTION: Frank Dougherty
PHONE: 856-768-1001 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Reserve @ Turgyan Farms
PROJECT NO. 38745.JO LOCATION: NJ
PROJECT MANAGER: Frank DOUGHERTY
e-mail: Frankd@earthengineering.com
PHONE: 856-768-1001 FAX:

CLIENT BILLING INFORMATION

BILL TO: SAME PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 3 DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☒ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☐ EDD FORMAT

ANALYSIS

1: TCL/TAL 2: EPH AF 3. 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	B-2-5-1	Soil		X	8-11-25	8:50	3	X	X								
2.	B-3-5-2	Soil		X	8-11-25	9:35	3	X	X								
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.		1 1147 8-11-25
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 6 of 6 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2818 EARTH03
Client Name : Earth Engineering Inc.
Client Contact : Frank Dougherty, LSRP
Invoice Name : Earth Engineering Inc.
Invoice Contact : Frank Dougherty, LSRP

Order Date : 8/11/2025 11:57:00 AM
Project Name : Leon Avenue
Receive DateTime : 8/11/2025 11:47:00 AM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2818-01	B-2-5-1	Solid	08/11/2025	08:50					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	3 Bus. Days	
Q2818-02	B-3-5-2	Solid	08/11/2025	09:35					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	3 Bus. Days	

JAB

stored in VOA Frz #02 after preservation

Relinguished By :
Date / Time : 8-11-25 1240

Received By :
Date / Time : 8-11-25 12:40 pm

Storage Area : VOA Refridgerator Room