

Cover Page

Order ID : Q2928

Project ID : Residential Soil Testing

Client : Hero Construction

Lab Sample Number

Q2928-01
Q2928-02

Client Sample Number

27-BELL
27-BELL

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: 8/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2928

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 Custody

✓

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: SOHIL JODHANI

Date: 08/30/2025

LAB CHRONICLE

OrderID:	Q2928	OrderDate:	8/21/2025 12:10:14 PM
Client:	Hero Construction	Project:	Residential Soil Testing
Contact:	Khadija Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2928-02	27-BELL	SOIL	VOC-TCLVOA-10	8260D	08/21/25		08/22/25	08/21/25



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2928

Client: Hero Construction

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q2928-02	27-BELL 27-BELL	SOIL	Methylene Chloride	5.40	J	3.00	8.40	ug/Kg
			Total Voc :	5.40				
			Total Concentration:	5.40				



QC SUMMARY

Surrogate Summary

SDG No.: Q2928

Client: Hero Construction

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2928-02	27-BELL	1,2-Dichloroethane-d4	50	49.5	99		63	155
		Dibromofluoromethane	50	49.6	99		70	134
		Toluene-d8	50	47.9	96		74	123
		4-Bromofluorobenzene	50	49.0	98		17	146
VW0822SBL01	VW0822SBL01	1,2-Dichloroethane-d4	50	53.9	108		63	155
		Dibromofluoromethane	50	54.6	109		70	134
		Toluene-d8	50	49.8	100		74	123
		4-Bromofluorobenzene	50	47.1	94		17	146
VW0822SBS01	VW0822SBS01	1,2-Dichloroethane-d4	50	50.5	101		63	155
		Dibromofluoromethane	50	51.0	102		70	134
		Toluene-d8	50	50.4	101		74	123
		4-Bromofluorobenzene	50	49.5	99		17	146
VW0822SBSD0	VW0822SBSD01	1,2-Dichloroethane-d4	50	47.5	95		63	155
		Dibromofluoromethane	50	53.8	108		70	134
		Toluene-d8	50	52.0	104		74	123
		4-Bromofluorobenzene	50	51.5	103		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2928</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Hero Construction</u>	Datafile :	<u>VW032109.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0822SBS01	Dichlorodifluoromethane	20	23.8	ug/Kg	119			64	136	
	Chloromethane	20	18.5	ug/Kg	93			52	151	
	Vinyl chloride	20	21.0	ug/Kg	105			56	148	
	Bromomethane	20	23.3	ug/Kg	117			58	141	
	Chloroethane	20	20.9	ug/Kg	104			69	130	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	23.9	ug/Kg	119			81	123	
	1,1-Dichloroethene	20	22.1	ug/Kg	111			79	121	
	Acetone	100	130	ug/Kg	130			40	171	
	Carbon disulfide	20	18.1	ug/Kg	91			59	130	
	Methyl tert-butyl Ether	20	19.3	ug/Kg	97			77	129	
	Methyl Acetate	20	19.5	ug/Kg	98			69	149	
	Methylene Chloride	20	22.6	ug/Kg	113			72	131	
	trans-1,2-Dichloroethene	20	19.4	ug/Kg	97			80	123	
	1,1-Dichloroethane	20	19.4	ug/Kg	97			82	123	
	Cyclohexane	20	18.4	ug/Kg	92			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	22.6	ug/Kg	113			76	129	
	cis-1,2-Dichloroethene	20	19.4	ug/Kg	97			82	123	
	Bromochloromethane	20	19.9	ug/Kg	100			80	127	
	Chloroform	20	20.7	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103			80	126	
	Methylcyclohexane	20	20.5	ug/Kg	103			77	123	
	Benzene	20	20.9	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	22.9	ug/Kg	115			81	126	
	Trichloroethene	20	21.4	ug/Kg	107			83	122	
	1,2-Dichloropropane	20	20.9	ug/Kg	104			83	122	
	Bromodichloromethane	20	22.2	ug/Kg	111			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	21.5	ug/Kg	108			83	122	
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103			78	124	
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	22.2	ug/Kg	111			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	22.6	ug/Kg	113			79	125	
	1,2-Dibromoethane	20	22.5	ug/Kg	113			80	125	
	Tetrachloroethene	20	23.3	ug/Kg	117			83	125	
	Chlorobenzene	20	21.1	ug/Kg	106			84	122	
	Ethyl Benzene	20	20.8	ug/Kg	104			82	124	
	m/p-Xylenes	40	42.9	ug/Kg	107			83	124	
	o-Xylene	20	21.3	ug/Kg	106			83	123	
	Styrene	20	21.3	ug/Kg	106			82	124	
	Bromoform	20	22.5	ug/Kg	113			75	127	
	Isopropylbenzene	20	18.9	ug/Kg	95			82	124	
	1,1,2,2-Tetrachloroethane	20	19.8	ug/Kg	99			77	127	
	1,3-Dichlorobenzene	20	20.6	ug/Kg	103			83	122	
	1,4-Dichlorobenzene	20	21.1	ug/Kg	106			84	121	
	1,2-Dichlorobenzene	20	19.9	ug/Kg	100			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2928

Analytical Method: SW8260D

Client: Hero Construction

Datafile : VW032109.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VW0822SBS01	1,2-Dibromo-3-Chloropropane	20	19.3	ug/Kg	97			66	134	
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			78	127	
	1,2,3-Trichlorobenzene	20	20.8	ug/Kg	104			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q2928	Analytical Method:	SW8260D
Client:	Hero Construction	Datafile :	VW032110.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0822SBSD01	Dichlorodifluoromethane	20	22.3	ug/Kg	112	6		64	136	20
	Chloromethane	20	18.9	ug/Kg	95	2		52	151	20
	Vinyl chloride	20	19.9	ug/Kg	100	5		56	148	20
	Bromomethane	20	21.7	ug/Kg	109	7		58	141	20
	Chloroethane	20	20.2	ug/Kg	101	3		69	130	20
	Trichlorofluoromethane	20	23.0	ug/Kg	115	17		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/Kg	101	16		81	123	20
	1,1-Dichloroethene	20	19.3	ug/Kg	97	13		79	121	20
	Acetone	100	110	ug/Kg	110	17		40	171	20
	Carbon disulfide	20	16.6	ug/Kg	83	9		59	130	20
	Methyl tert-butyl Ether	20	18.2	ug/Kg	91	6		77	129	20
	Methyl Acetate	20	19.0	ug/Kg	95	3		69	149	20
	Methylene Chloride	20	20.8	ug/Kg	104	8		72	131	20
	trans-1,2-Dichloroethene	20	18.9	ug/Kg	95	2		80	123	20
	1,1-Dichloroethane	20	17.8	ug/Kg	89	9		82	123	20
	Cyclohexane	20	17.2	ug/Kg	86	7		76	122	20
	2-Butanone	100	98.5	ug/Kg	99	1		69	131	20
	Carbon Tetrachloride	20	22.8	ug/Kg	114	1		76	129	20
	cis-1,2-Dichloroethene	20	19.3	ug/Kg	97	0		82	123	20
	Bromochloromethane	20	18.9	ug/Kg	95	5		80	127	20
	Chloroform	20	19.5	ug/Kg	98	6		82	125	20
	1,1,1-Trichloroethane	20	19.6	ug/Kg	98	5		80	126	20
	Methylcyclohexane	20	20.3	ug/Kg	102	1		77	123	20
	Benzene	20	21.0	ug/Kg	105	1		84	121	20
	1,2-Dichloroethane	20	22.3	ug/Kg	112	3		81	126	20
	Trichloroethene	20	22.1	ug/Kg	111	4		83	122	20
	1,2-Dichloropropane	20	20.3	ug/Kg	102	2		83	122	20
	Bromodichloromethane	20	22.2	ug/Kg	111	0		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		70	135	20
	Toluene	20	21.8	ug/Kg	109	1		83	122	20
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101	2		78	124	20
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	1		81	122	20
	1,1,2-Trichloroethane	20	22.0	ug/Kg	110	1		82	125	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20
	Dibromochloromethane	20	23.5	ug/Kg	117	3		79	125	20
	1,2-Dibromoethane	20	22.8	ug/Kg	114	1		80	125	20
	Tetrachloroethene	20	23.3	ug/Kg	117	0		83	125	20
	Chlorobenzene	20	21.3	ug/Kg	106	0		84	122	20
	Ethyl Benzene	20	20.8	ug/Kg	104	0		82	124	20
	m/p-Xylenes	40	41.6	ug/Kg	104	3		83	124	20
	o-Xylene	20	21.0	ug/Kg	105	1		83	123	20
	Styrene	20	20.9	ug/Kg	104	2		82	124	20
	Bromoform	20	22.9	ug/Kg	115	2		75	127	20
	Isopropylbenzene	20	18.5	ug/Kg	93	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.4	ug/Kg	97	2		77	127	20
	1,3-Dichlorobenzene	20	20.6	ug/Kg	103	0		83	122	20
	1,4-Dichlorobenzene	20	20.1	ug/Kg	101	5		84	121	20
	1,2-Dichlorobenzene	20	20.4	ug/Kg	102	2		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2928</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Hero Construction</u>	Datafile :	<u>VW032110.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0822SBSD01	1,2-Dibromo-3-Chloropropane	20	18.7	ug/Kg	94	3		66	134	20
	1,2,4-Trichlorobenzene	20	21.2	ug/Kg	106	5		78	127	20
	1,2,3-Trichlorobenzene	20	21.3	ug/Kg	106	2		70	137	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VW0822SBL01

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Lab File ID: VW032108.D

Lab Sample ID: VW0822SBL01

Date Analyzed: 08/22/2025

Time Analyzed: 13:35

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
VW0822SBS01	VW0822SBS01	VW032109.D	08/22/2025
VW0822SBSD01	VW0822SBSD01	VW032110.D	08/22/2025
27-BELL	Q2928-02	VW032123.D	08/22/2025

COMMENTS: _____



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Fax : 908 789 8922

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

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
VSTDIC005	VSTDIC005	VW032052.D	08/11/2025	08:25
VSTDIC010	VSTDIC010	VW032053.D	08/11/2025	09:09
VSTDIC020	VSTDIC020	VW032054.D	08/11/2025	09:47
VSTDIC050	VSTDIC050	VW032055.D	08/11/2025	10:09
VSTDIC100	VSTDIC100	VW032056.D	08/11/2025	10:46
VSTDIC150	VSTDIC150	VW032057.D	08/11/2025	11:08



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**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Lab File ID: VW032106.D

BFB Injection Date: 08/22/2025

Instrument ID: MSVOA_W

BFB Injection Time: 10:45

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	22
75	30.0 - 60.0% of mass 95	56.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	71.7
175	5.0 - 9.0% of mass 174	5.9 (8.3) 1
176	95.0 - 101.0% of mass 174	71.5 (99.9) 1
177	5.0 - 9.0% of mass 176	4.7 (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
VSTDCCC050	VSTDCCC050	VW032107.D	08/22/2025	12:12
VW0822SBL01	VW0822SBL01	VW032108.D	08/22/2025	13:35
VW0822SBS01	VW0822SBS01	VW032109.D	08/22/2025	14:22
VW0822SBSD01	VW0822SBSD01	VW032110.D	08/22/2025	14:44
27-BELL	Q2928-02	VW032123.D	08/22/2025	19:46

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: HERO01
Lab Code: ACE SDG NO.: Q2928
Lab File ID: VW032107.D Date Analyzed: 08/22/2025
Instrument ID: MSVOA_W Time Analyzed: 12:12
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	229263	7.96	385827	8.85	350083	11.63
UPPER LIMIT	458526	8.459	771654	9.349	700166	12.129
LOWER LIMIT	114632	7.459	192914	8.349	175042	11.129
EPA SAMPLE NO.						
27-BELL	183461	7.97	365151	8.85	344552	11.64
VW0822SBL01	152490	7.96	320732	8.85	308340	11.64
VW0822SBS01	205288	7.95	359763	8.85	335789	11.63
VW0822SBSD01	208637	7.97	348689	8.85	334530	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: HERO01
 Lab Code: ACE SDG NO.: Q2928
 Lab File ID: VW032107.D Date Analyzed: 08/22/2025
 Instrument ID: MSVOA_W Time Analyzed: 12:12
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	177844	13.556				
UPPER LIMIT	355688	14.056				
LOWER LIMIT	88922	13.056				
EPA SAMPLE NO.						
27-BELL	168107	13.56				
VW0822SBL01	143329	13.56				
VW0822SBS01	176918	13.56				
VW0822SBSD01	180581	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

Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.2
Sample Wt/Vol:	7.16 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
VW032123.D	1	08/22/25 19:46	VW082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.96	U	0.96	4.20	ug/Kg
74-87-3	Chloromethane	0.96	U	0.96	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.20	ug/Kg
74-83-9	Bromomethane	0.90	U	0.90	4.20	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.84	U	0.84	4.20	ug/Kg
67-64-1	Acetone	4.00	U	4.00	21.0	ug/Kg
75-15-0	Carbon Disulfide	0.89	U	0.89	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.20	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.20	ug/Kg
75-09-2	Methylene Chloride	5.40	J	3.00	8.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.72	U	0.72	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.67	U	0.67	4.20	ug/Kg
110-82-7	Cyclohexane	0.66	U	0.66	4.20	ug/Kg
78-93-3	2-Butanone	5.50	U	5.50	21.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.63	U	0.63	4.20	ug/Kg
74-97-5	Bromochloromethane	0.97	U	0.97	4.20	ug/Kg
67-66-3	Chloroform	0.71	U	0.71	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.76	U	0.76	4.20	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	4.20	ug/Kg
79-01-6	Trichloroethene	0.68	U	0.68	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.76	U	0.76	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	21.0	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.20	ug/Kg

Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.2
Sample Wt/Vol:	7.16 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
VW032123.D	1	08/22/25 19:46	VW082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.55	U	0.55	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.77	U	0.77	4.20	ug/Kg
591-78-6	2-Hexanone	3.10	U	3.10	21.0	ug/Kg
124-48-1	Dibromochloromethane	0.73	U	0.73	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.74	U	0.74	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	4.20	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.56	U	0.56	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.40	ug/Kg
95-47-6	o-Xylene	0.69	U	0.69	4.20	ug/Kg
100-42-5	Styrene	0.60	U	0.60	4.20	ug/Kg
75-25-2	Bromoform	0.72	U	0.72	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.70	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	47.9		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		17 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	183000	7.965			
540-36-3	1,4-Difluorobenzene	365000	8.849			
3114-55-4	Chlorobenzene-d5	345000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	168000	13.556			

Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.2
Sample Wt/Vol:	7.16 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
VW032123.D	1	08/22/25 19:46	VW082225

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\VW082225\
 Data File : VW032123.D
 Acq On : 22 Aug 2025 19:46
 Operator : SY/MD
 Sample : Q2928-02
 Misc : 7.16g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 27-BELL

Quant Time: Aug 25 04:02:47 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)

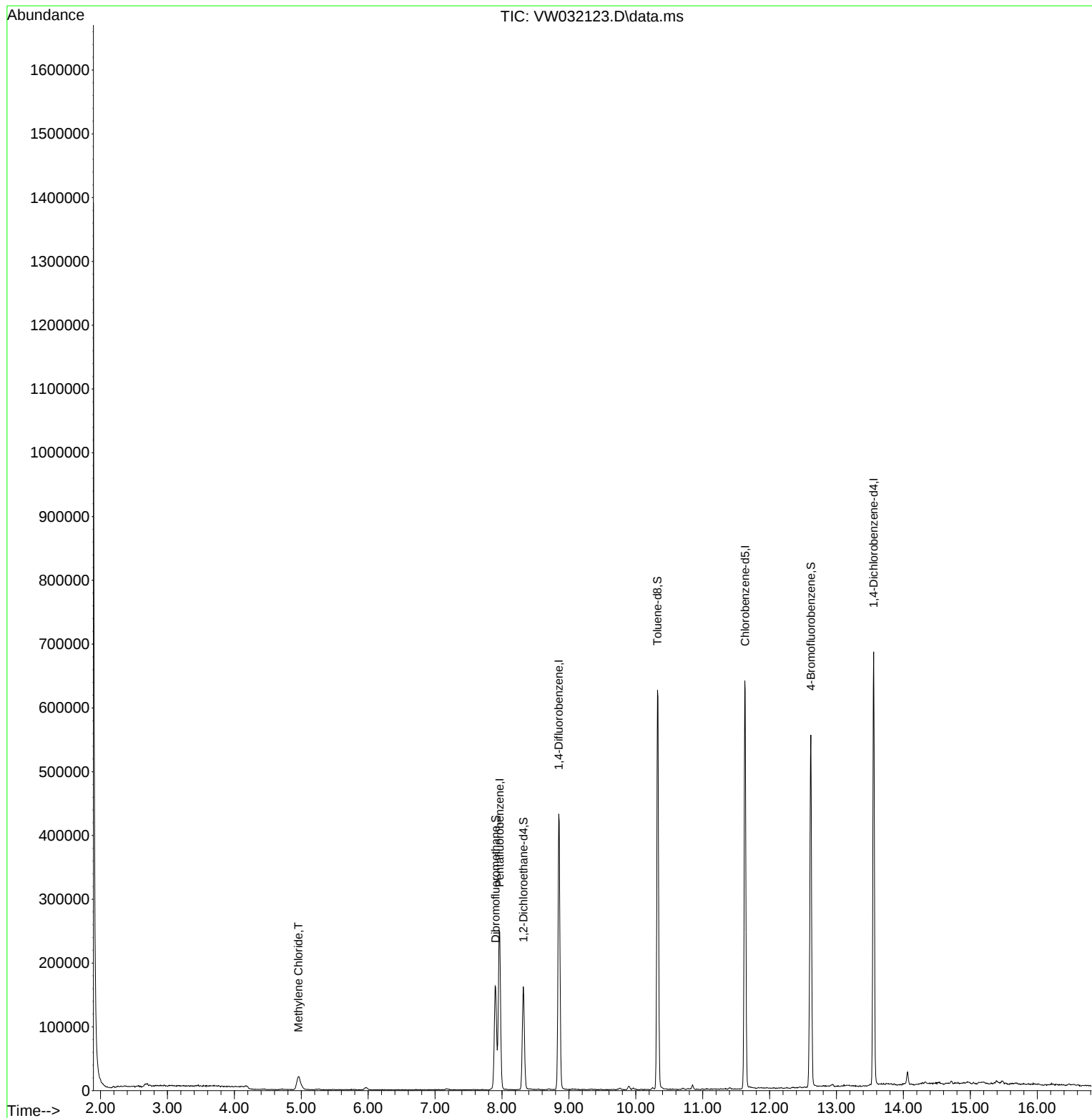
Internal Standards						
1) Pentafluorobenzene	7.965	168	183461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	365151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	344552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131254	49.467	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	98.940%
35) Dibromofluoromethane	7.904	113	117096	49.638	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.280%
50) Toluene-d8	10.325	98	418031	47.910	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.820%
62) 4-Bromofluorobenzene	12.617	95	157703	49.046	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	98.100%
Target Compounds						Qvalue
20) Methylene Chloride	4.960	84	18388	6.474	ug/l	97

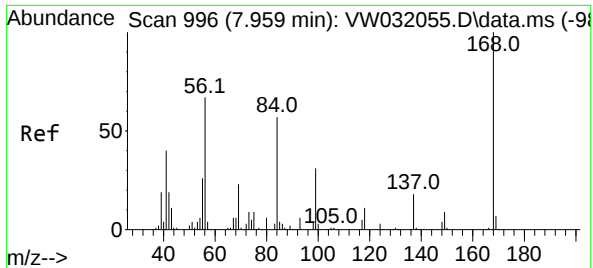
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032123.D
Acq On : 22 Aug 2025 19:46
Operator : SY/MD
Sample : Q2928-02
Misc : 7.16g/5mL/MSVOA_W/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
27-BELL

Quant Time: Aug 25 04:02:47 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

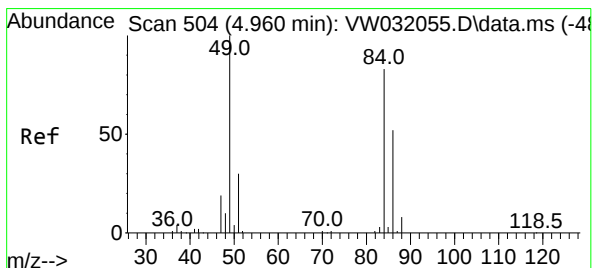
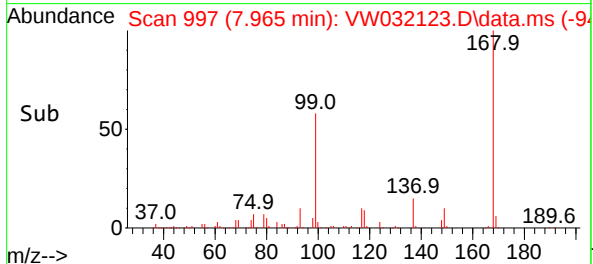
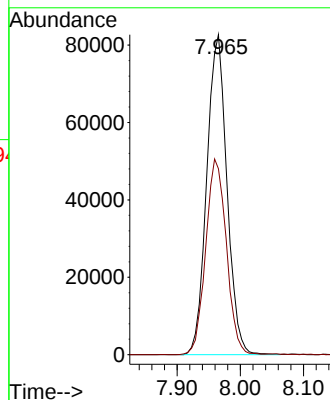
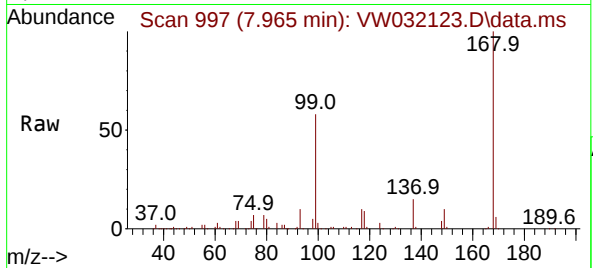




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032123.D
Acq: 22 Aug 2025 19:46

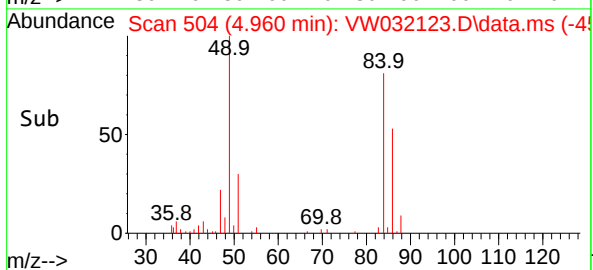
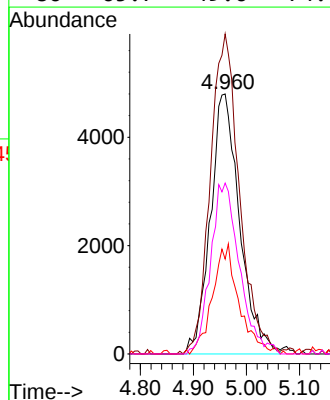
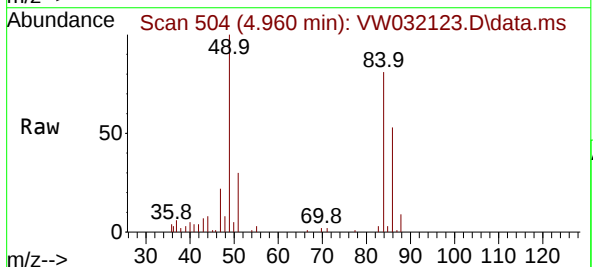
Instrument :
MSVOA_W
ClientSampleId :
27-BELL

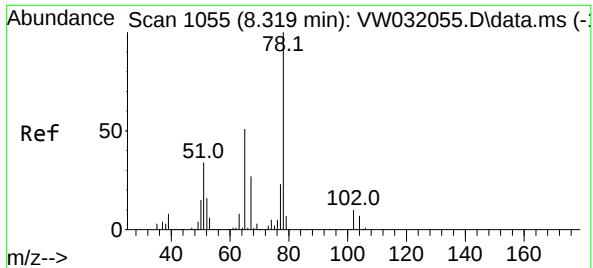
Tgt Ion:168 Resp: 183461
Ion Ratio Lower Upper
168 100
99 58.0 56.0 84.0



#20
Methylene Chloride
Concen: 6.474 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.000 min
Lab File: VW032123.D
Acq: 22 Aug 2025 19:46

Tgt Ion: 84 Resp: 18388
Ion Ratio Lower Upper
84 100
49 122.0 95.9 143.9
51 36.5 28.6 43.0
86 65.7 49.6 74.4





#33

1,2-Dichloroethane-d4

Concen: 49.467 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032123.D

Acq: 22 Aug 2025 19:46

Instrument :

MSVOA_W

ClientSampleId :

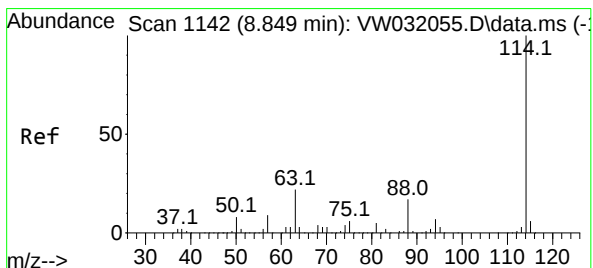
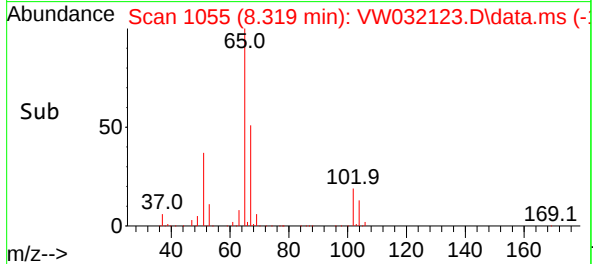
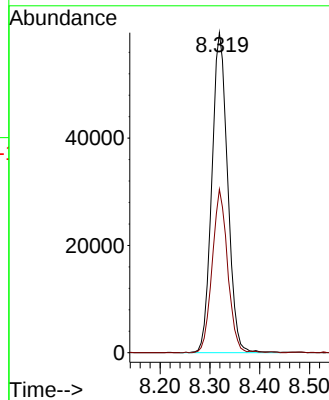
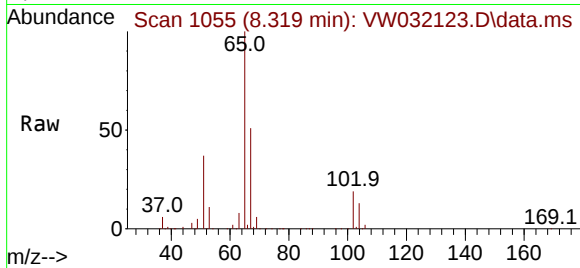
27-BELL

Tgt Ion: 65 Resp: 131254

Ion Ratio Lower Upper

65 100

67 49.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032123.D

Acq: 22 Aug 2025 19:46

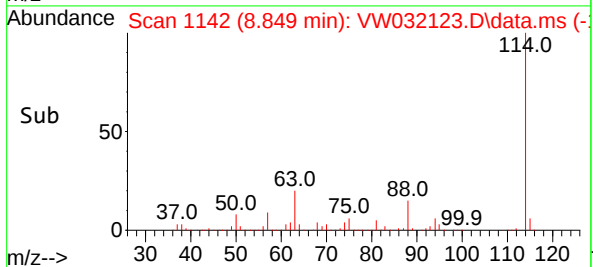
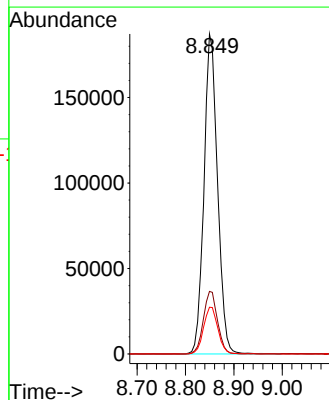
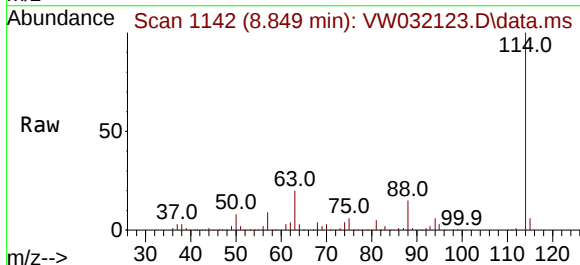
Tgt Ion: 114 Resp: 365151

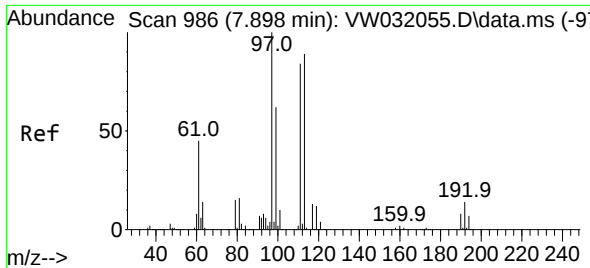
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.0

88 14.6 0.0 33.8

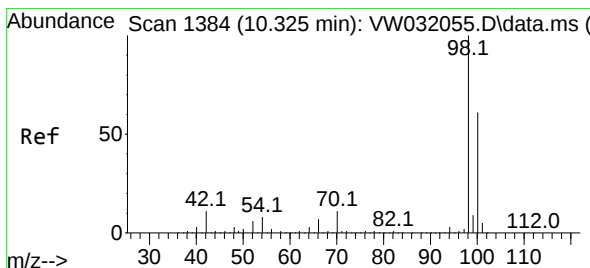
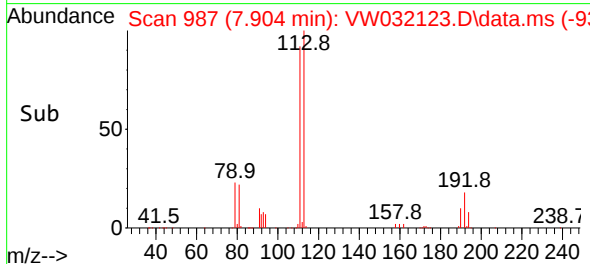
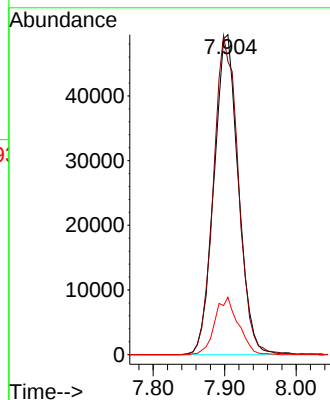
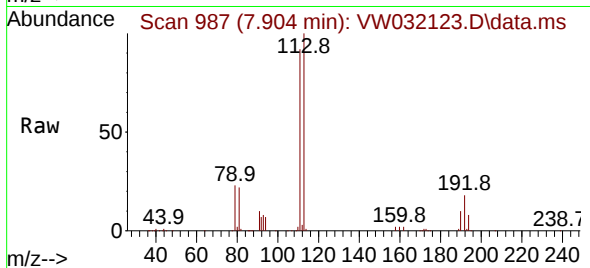




#35
Dibromofluoromethane
Concen: 49.638 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032123.D
Acq: 22 Aug 2025 19:46

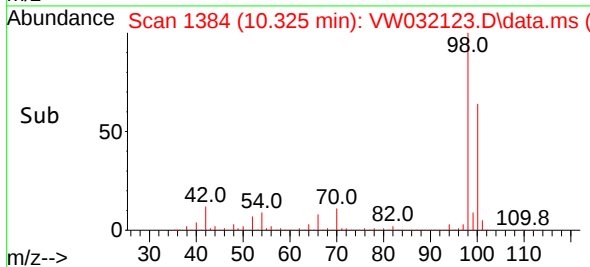
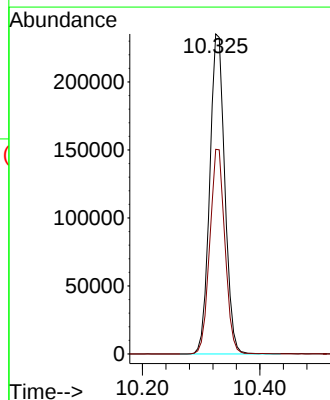
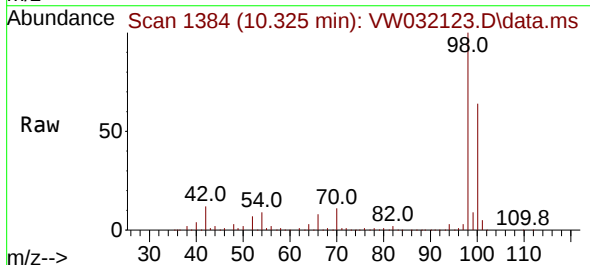
Instrument :
MSVOA_W
ClientSampleId :
27-BELL

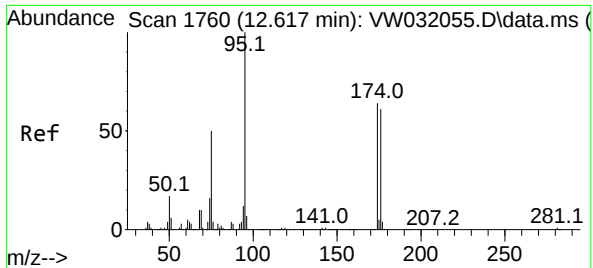
Tgt Ion:113 Resp: 117096
Ion Ratio Lower Upper
113 100
111 101.5 80.1 120.1
192 17.4 13.1 19.7



#50
Toluene-d8
Concen: 47.910 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032123.D
Acq: 22 Aug 2025 19:46

Tgt Ion: 98 Resp: 418031
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7

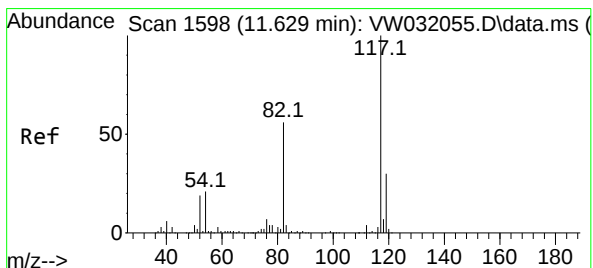
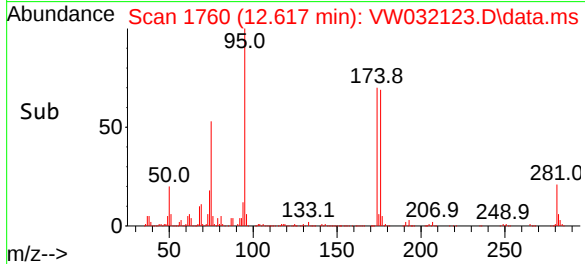
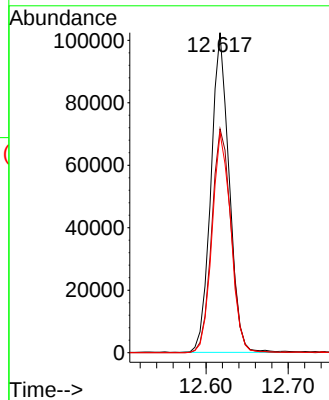
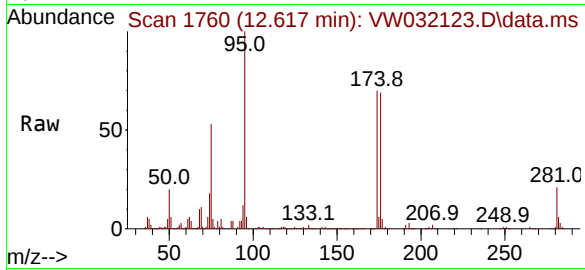




#62
4-Bromofluorobenzene
Concen: 49.046 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032123.D
Acq: 22 Aug 2025 19:46

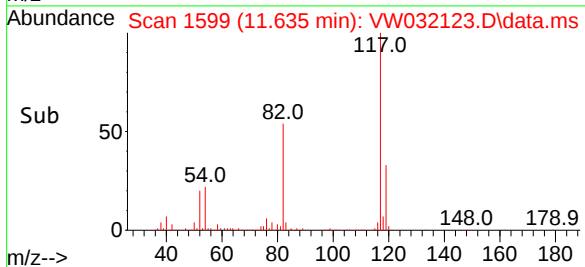
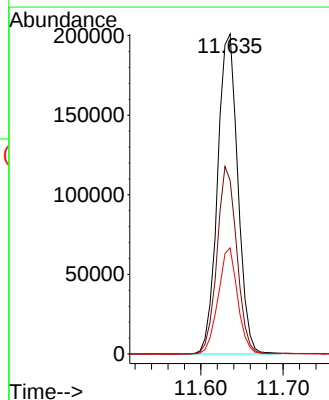
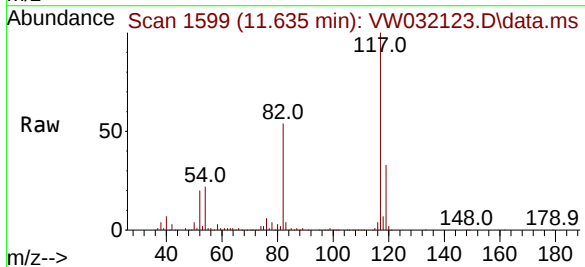
Instrument :
MSVOA_W
ClientSampleId :
27-BELL

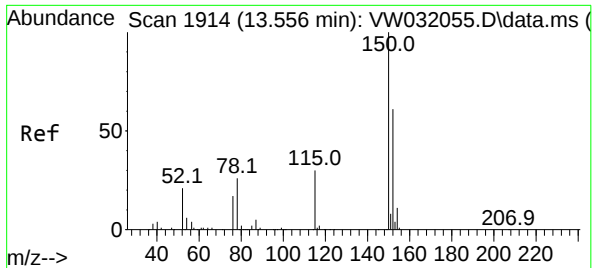
Tgt Ion:	95	Resp:	157703
Ion Ratio	Lower	Upper	
95	100		
174	74.8	0.0	129.0
176	70.9	0.0	124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032123.D
Acq: 22 Aug 2025 19:46

Tgt Ion:	117	Resp:	344552
Ion Ratio	Lower	Upper	
117	100		
82	54.3	45.0	67.4
119	33.1	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: VW032123.D

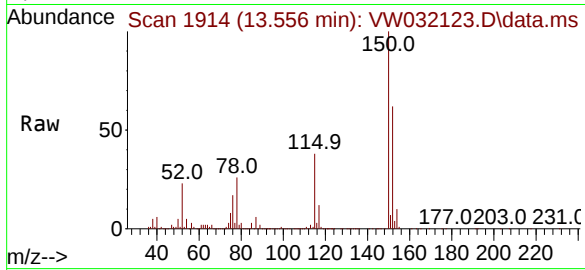
Acq: 22 Aug 2025 19:46

Instrument :

MSVOA_W

ClientSampleId :

27-BELL



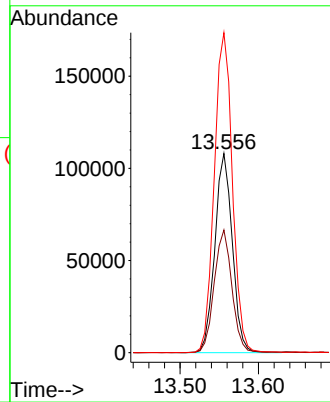
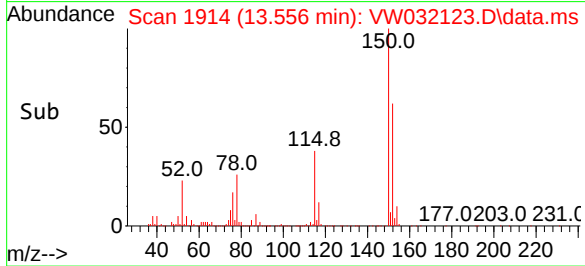
Tgt Ion:152 Resp: 168107

Ion Ratio Lower Upper

152 100

115 62.2 32.6 97.8

150 166.1 0.0 359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032123.D
Acq On : 22 Aug 2025 19:46
Operator : SY/MD
Sample : Q2928-02
Misc : 7.16g/5mL/MSVOA_W/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
27-BELL

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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: VW032123.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.960	489	504	520	rBV3	20769	89869	8.01%	1.345%
2	7.898	969	986	991	rBV	162940	402505	35.87%	6.024%
3	7.959	991	996	1009	rVB	249188	580212	51.71%	8.684%
4	8.319	1046	1055	1066	rBV	160984	353891	31.54%	5.297%
5	8.849	1133	1142	1158	rBV	432098	870481	77.57%	13.028%
6	10.325	1376	1384	1401	rBV	625201	1122137	100.00%	16.795%
7	11.629	1586	1598	1608	rBV	640743	1112054	99.10%	16.644%
8	12.617	1750	1760	1769	rBV2	552724	1030518	91.84%	15.423%
9	13.556	1907	1914	1926	rBV	678838	1086117	96.79%	16.256%
10	14.062	1992	1997	2003	rVB	19538	33717	3.00%	0.505%

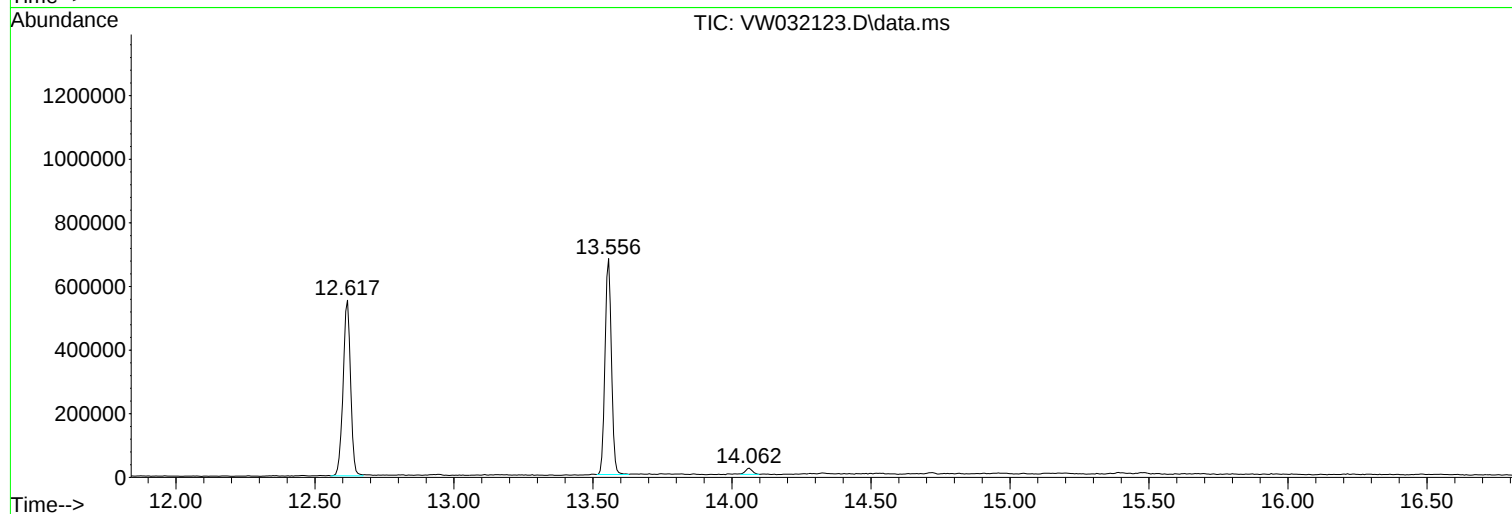
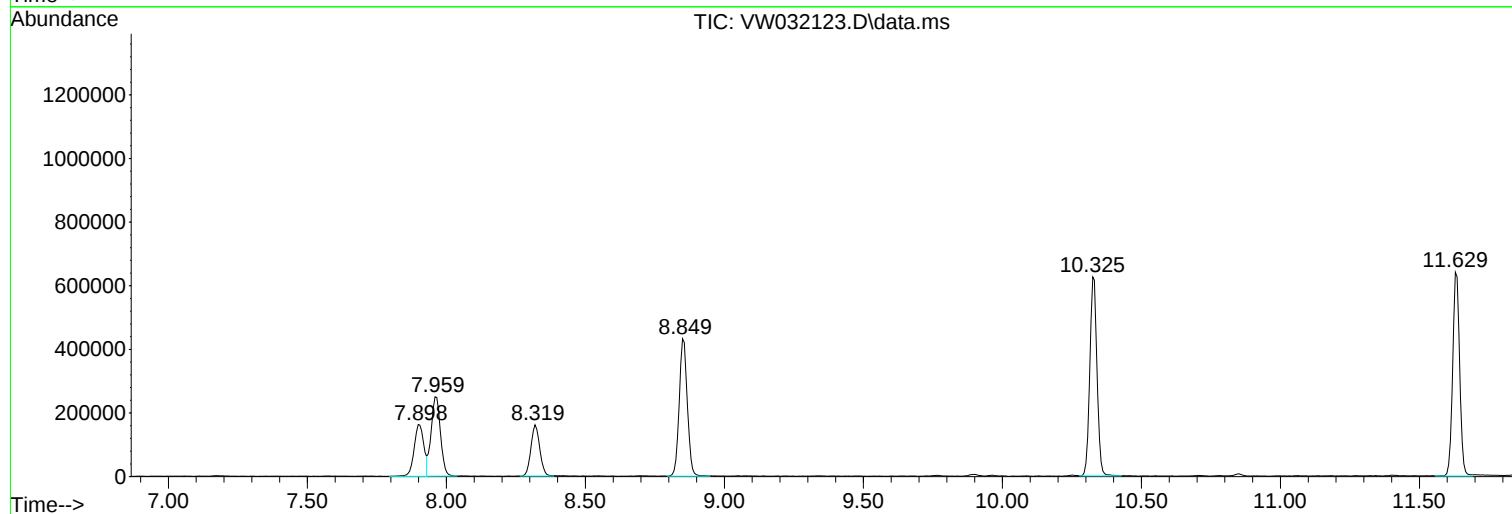
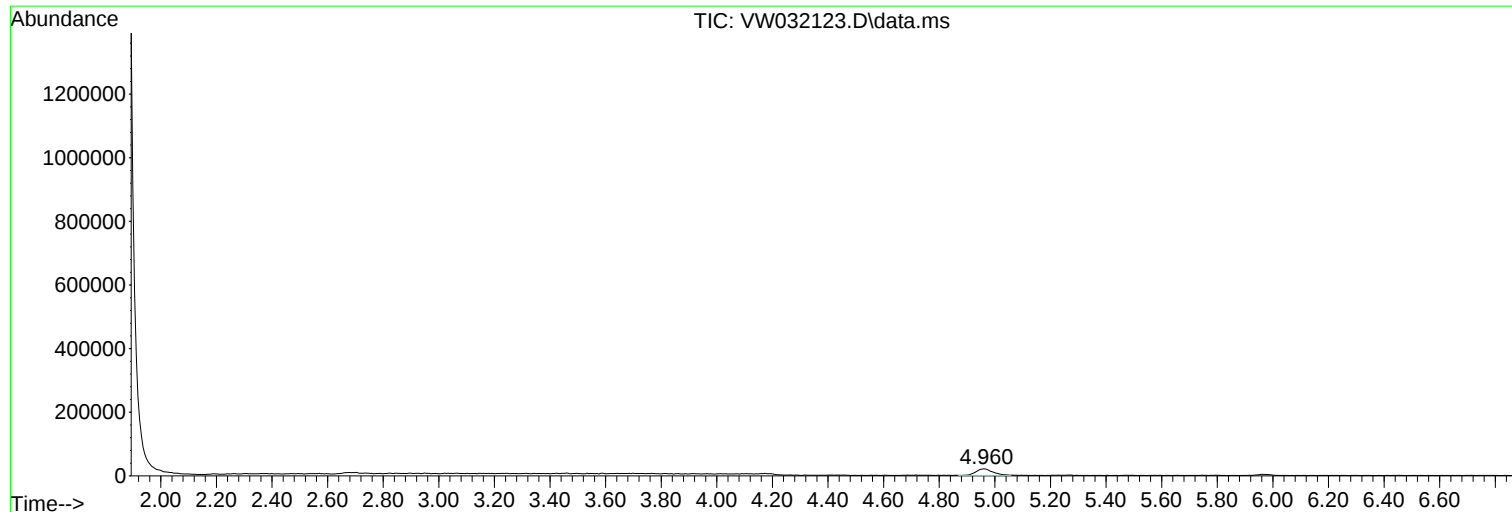
Sum of corrected areas: 6681501

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032123.D
Acq On : 22 Aug 2025 19:46
Operator : SY/MD
Sample : Q2928-02
Misc : 7.16g/5mL/MSVOA_W/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
27-BELL

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032123.D
Acq On : 22 Aug 2025 19:46
Operator : SY/MD
Sample : Q2928-02
Misc : 7.16g/5mL/MSVOA_W/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
27-BELL

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\VW082225\
Data File : VW032123.D
Acq On : 22 Aug 2025 19:46
Operator : SY/MD
Sample : Q2928-02
Misc : 7.16g/5mL/MSVOA_W/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
27-BELL

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: HERO01
 Lab Code: ACE SDG No.: Q2928
 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	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.



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: HERO01
 Lab Code: ACE SDG No.: Q2928
 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	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.

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

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

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

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

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

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

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

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

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

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

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

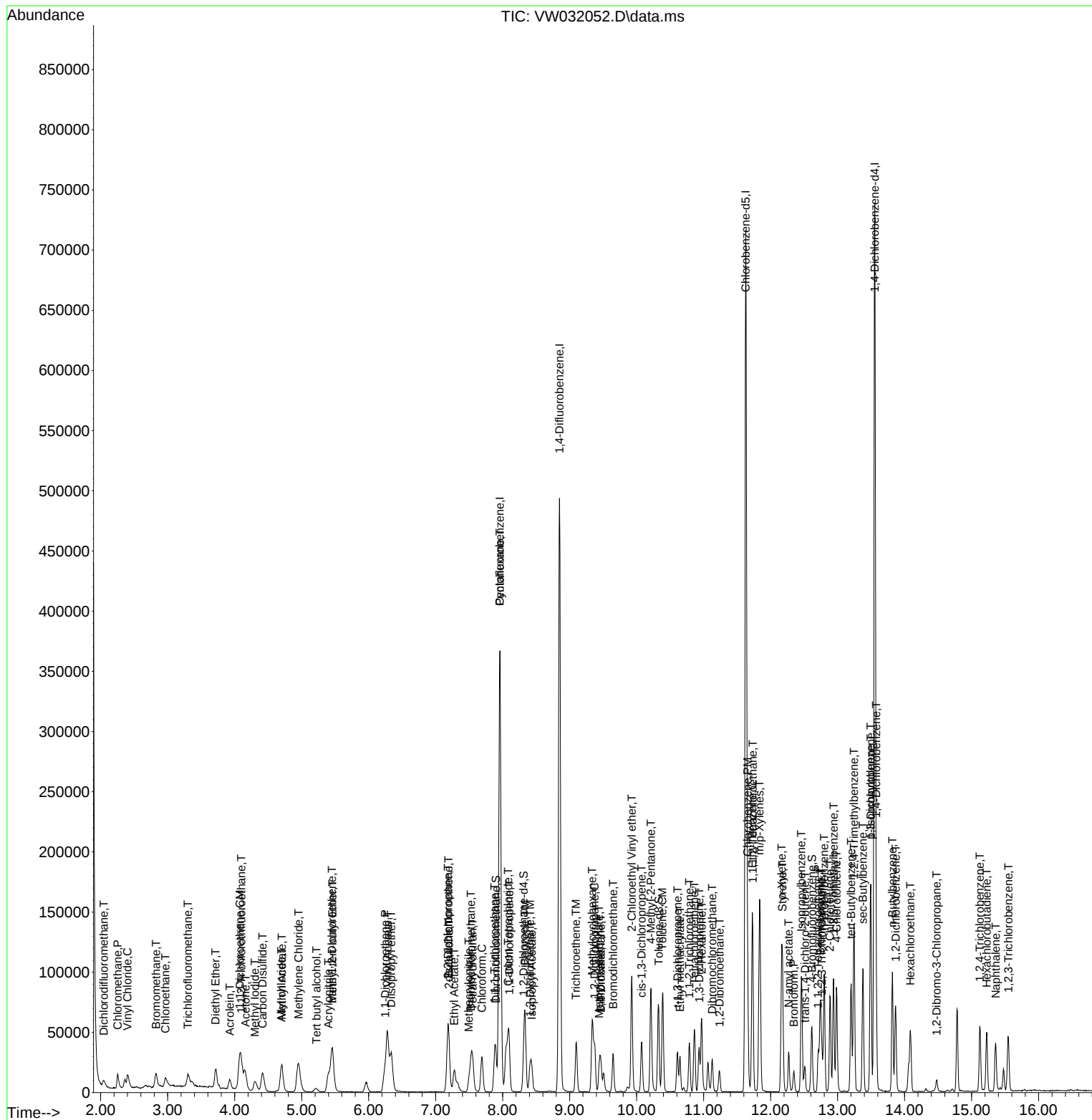
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032052.D
Acq On : 11 Aug 2025 08:25
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

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



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

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

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

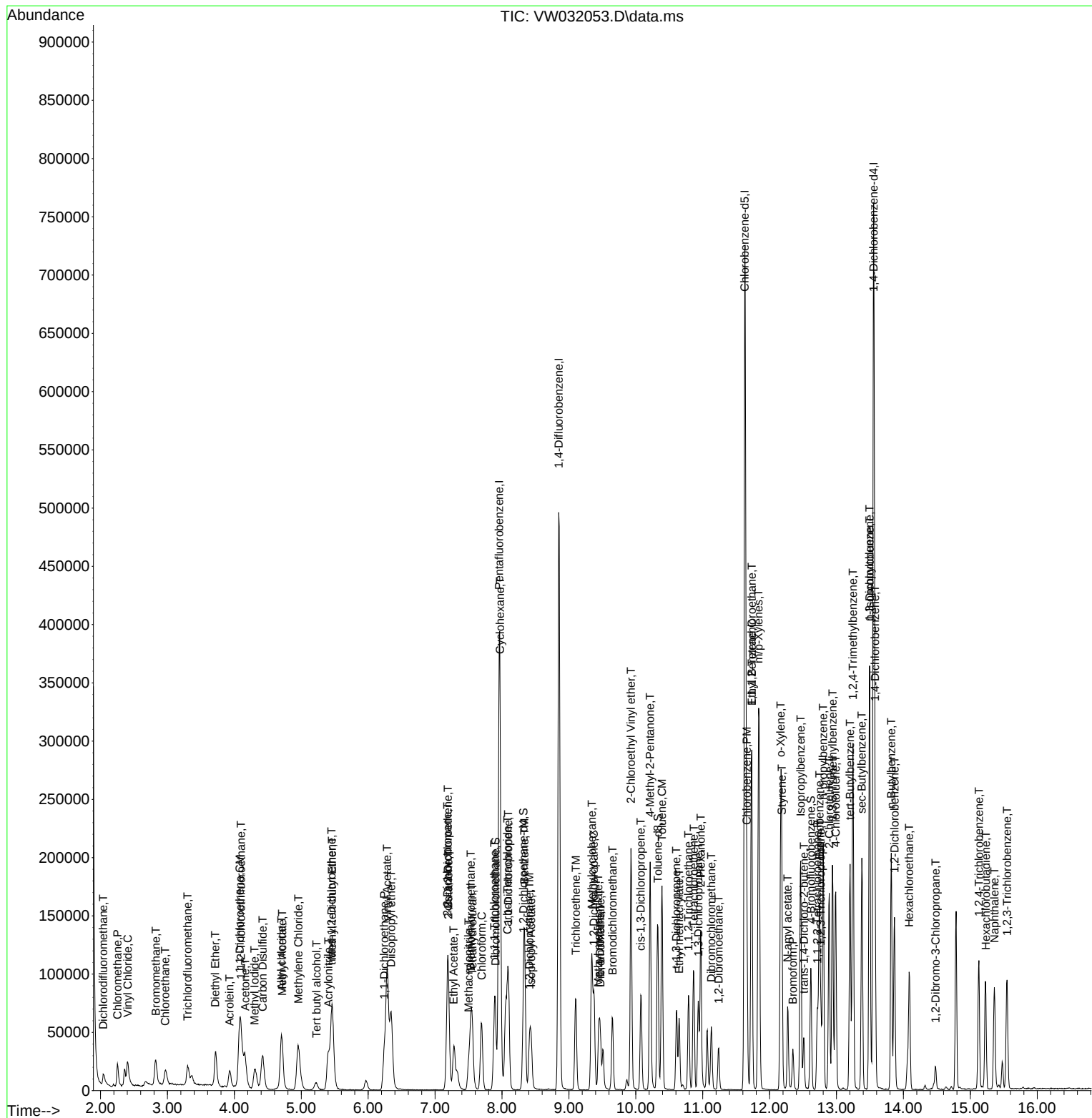
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032054.D
 Acq On : 11 Aug 2025 09:47
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032054.D
 Acq On : 11 Aug 2025 09:47
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Manual Integrations

APPROVED

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

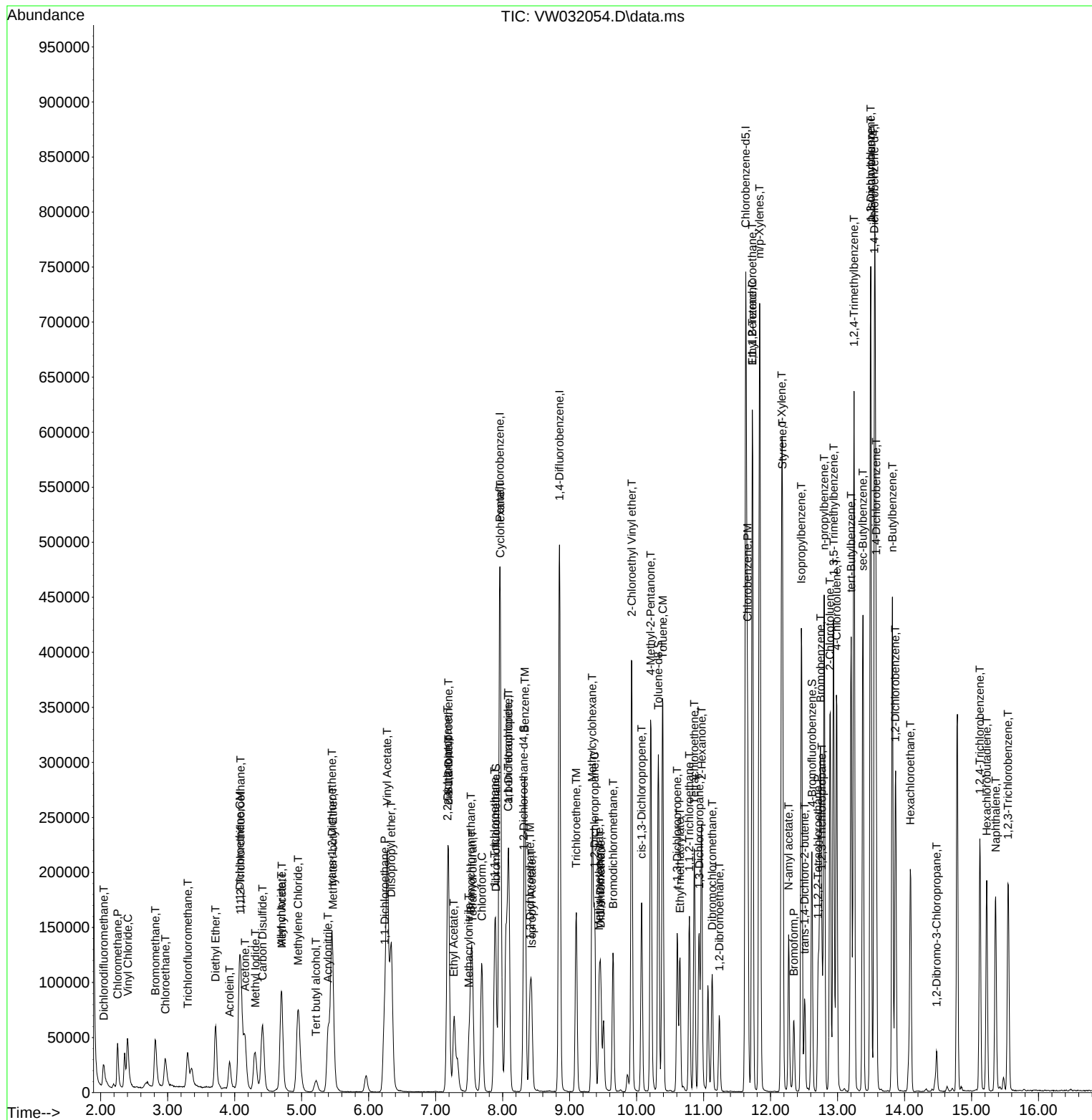
Quant Time: Aug 12 03:37:51 2025

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



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

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

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

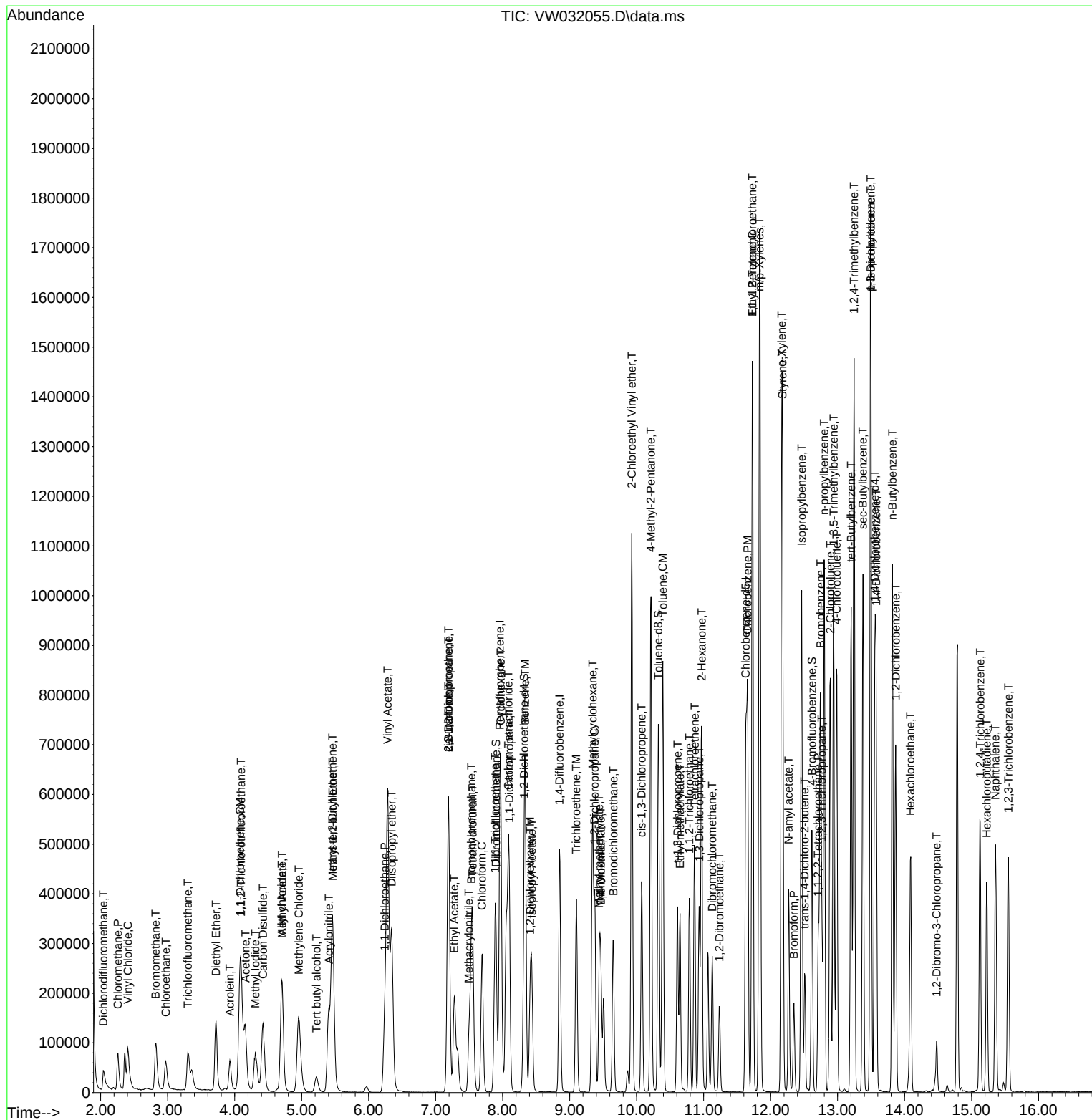
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032055.D
Acq On : 11 Aug 2025 10:09
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

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



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

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						08/12/2025
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						08/12/2025
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

08/12/2025
 Supervised By :Semsettin
 Kesilyurt

08/12/2025

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

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

08/12/2025
 Supervised By :Semsettin
 Yesilyurt

08/12/2025

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

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

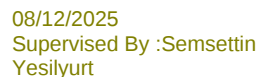
08/12/2025
Supervised By :Semsettin
Yesilyurt

08/12/2025

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh
Dadoda



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

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

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

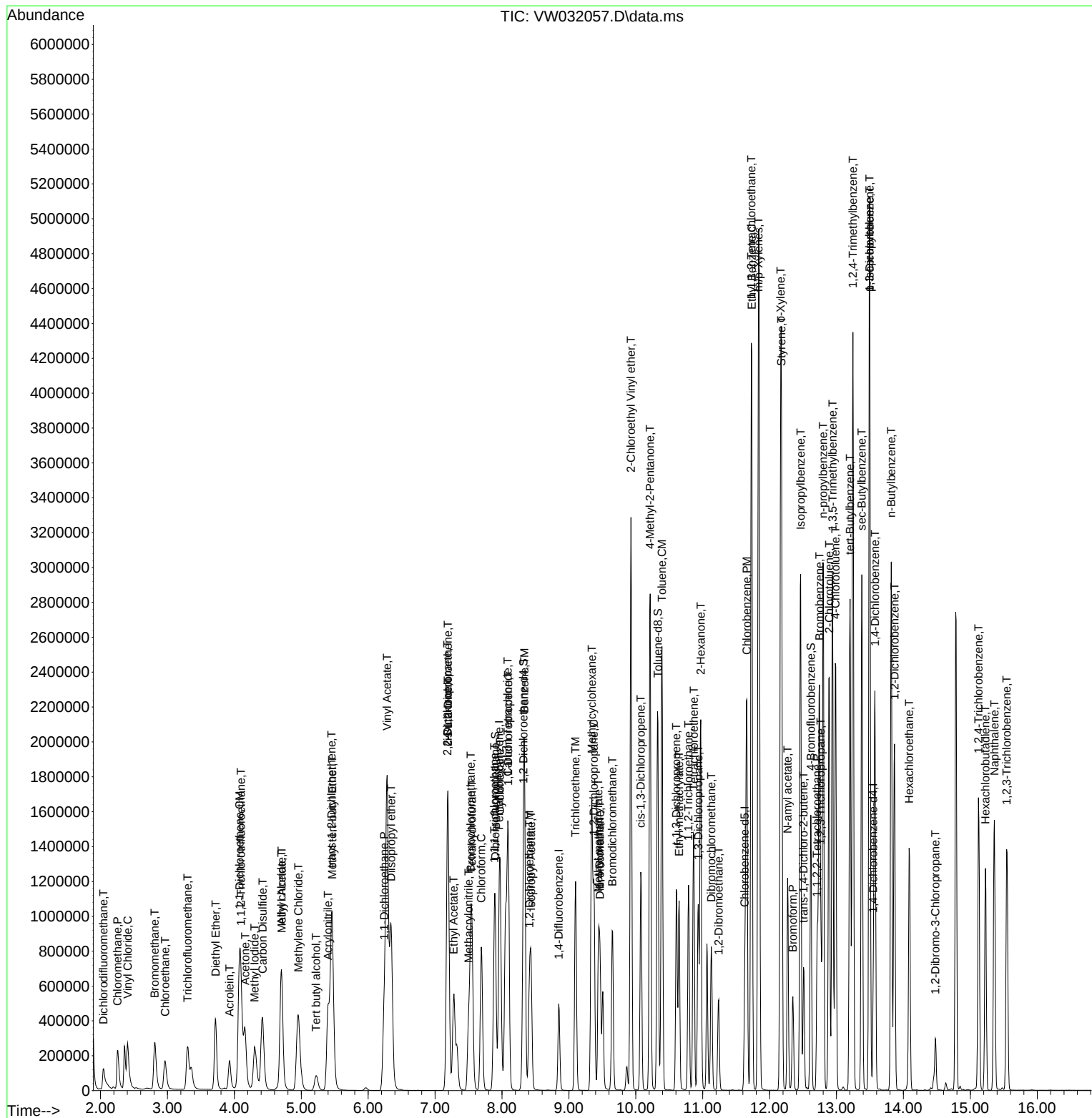
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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



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

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

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 :
ICVW081125

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

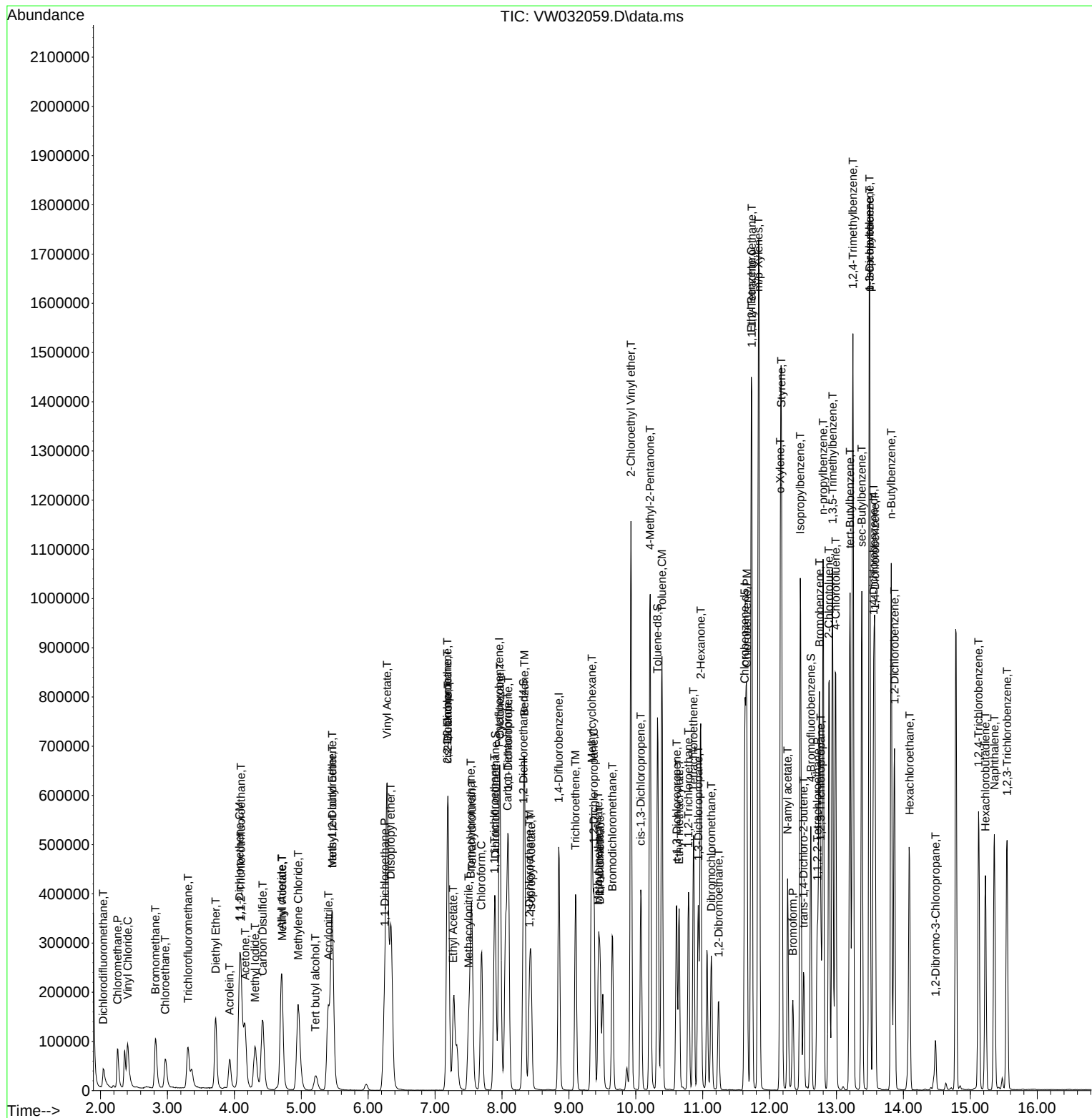
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032059.D
Acq On : 11 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW081125

Manual Integrations

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



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)
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

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

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 :
ICVWVW081125

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

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

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-ethyl 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

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 :
ICVWVW081125

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>HERO01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2928</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>08/22/2025 12:12</u>
Lab File ID:	<u>VW032107.D</u>	Init. Calib. Date(s):	<u>08/11/2025 08/11/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>08:25 11:08</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.358	0.349		-2.51	20
Chloromethane	0.482	0.393	0.1	-18.47	20
Vinyl Chloride	0.583	0.545		-6.52	20
Bromomethane	0.437	0.441		0.92	20
Chloroethane	0.386	0.377		-2.33	20
Trichlorofluoromethane	0.467	0.489		4.71	20
1,1,2-Trichlorotrifluoroethane	0.551	0.604		9.62	20
1,1-Dichloroethene	0.606	0.640		5.61	20
Acetone	0.167	0.188		12.57	20
Carbon Disulfide	1.628	1.435		-11.85	20
Methyl tert-butyl Ether	1.068	1.006		-5.8	20
Methyl Acetate	0.530	0.453		-14.53	20
Methylene Chloride	0.774	0.660		-14.73	20
trans-1,2-Dichloroethene	0.644	0.612		-4.97	20
1,1-Dichloroethane	1.189	1.097	0.1	-7.74	20
Cyclohexane	1.031	0.909		-11.83	20
2-Butanone	0.238	0.220		-7.56	20
Carbon Tetrachloride	0.439	0.530		20.73	20
cis-1,2-Dichloroethene	0.752	0.729		-3.06	20
Bromochloromethane	0.541	0.470		-13.12	20
Chloroform	1.260	1.241		-1.51	20
1,1,1-Trichloroethane	0.915	0.922		0.76	20
Methylcyclohexane	0.555	0.602		8.47	20
Benzene	1.415	1.488		5.16	20
1,2-Dichloroethane	0.453	0.496		9.49	20
Trichloroethene	0.337	0.359		6.53	20
1,2-Dichloropropane	0.342	0.351		2.63	20
Bromodichloromethane	0.509	0.554		8.84	20
4-Methyl-2-Pentanone	0.279	0.303		8.6	20
Toluene	0.892	0.971		8.86	20
t-1,3-Dichloropropene	0.476	0.513		7.77	20
cis-1,3-Dichloropropene	0.541	0.575		6.28	20
1,1,2-Trichloroethane	0.293	0.311		6.14	20
2-Hexanone	0.193	0.213		10.36	20
Dibromochloromethane	0.335	0.382		14.03	20
1,2-Dibromoethane	0.285	0.302		5.97	20
Tetrachloroethene	0.289	0.332		14.88	20
Chlorobenzene	1.088	1.175	0.3	8	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>HERO01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2928</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>08/22/2025 12:12</u>
Lab File ID:	<u>VW032107.D</u>	Init. Calib. Date(s):	<u>08/11/2025 08/11/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>08:25 11:08</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.079		12.81	20
m/p-Xylenes	0.711	0.819		15.19	20
o-Xylene	0.657	0.753		14.61	20
Styrene	1.168	1.307		11.9	20
Bromoform	0.194	0.242	0.1	24.74	20
Isopropylbenzene	3.494	3.813		9.13	20
1,1,2,2-Tetrachloroethane	0.830	0.843	0.3	1.57	20
1,3-Dichlorobenzene	1.661	1.884		13.43	20
1,4-Dichlorobenzene	1.678	1.851		10.31	20
1,2-Dichlorobenzene	1.504	1.629		8.31	20
1,2-Dibromo-3-Chloropropane	0.147	0.145		-1.36	20
1,2,4-Trichlorobenzene	0.900	0.998		10.89	20
1,2,3-Trichlorobenzene	0.819	0.899		9.77	20
1,2-Dichloroethane-d4	0.723	0.663		-8.3	20
Dibromofluoromethane	0.323	0.326		0.93	20
Toluene-d8	1.195	1.210		1.25	20
4-Bromofluorobenzene	0.440	0.431		-2.05	20

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\VW082225\
 Data File : VW032107.D
 Acq On : 22 Aug 2025 12:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

08/25/2025
 Supervised By : Mahesh
 Dadoda

Quant Time: Aug 25 03:50:17 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	229263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	385827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	350083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	177844	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	152066	45.861	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	91.720%
35) Dibromofluoromethane	7.898	113	125841	50.486	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	100.980%
50) Toluene-d8	10.325	98	466809	50.634	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.260%
62) 4-Bromofluorobenzene	12.617	95	166189	48.916	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	97.840%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	79950	48.758	ug/l	96
3) Chloromethane	2.253	50	90146	40.813	ug/l	99
4) Vinyl Chloride	2.405	62	124908	46.752	ug/l	94
5) Bromomethane	2.820	94	101013	50.395	ug/l	95
6) Chloroethane	2.966	64	86326	48.829	ug/l	99
7) Trichlorofluoromethane	3.302	101	112002	52.330	ug/l	97
8) Diethyl Ether	3.716	74	83017	47.343	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	138537	54.865	ug/l	97
10) Methyl Iodide	4.308	142	173519	48.466	ug/l	96
11) Tert butyl alcohol	5.216	59	47760	222.440	ug/l	96
12) 1,1-Dichloroethene	4.076	96	146702	52.763	ug/l	94
13) Acrolein	3.930	56	28240	82.547	ug/l	98
14) Allyl chloride	4.698	41	180376	44.575	ug/l #	87
15) Acrylonitrile	5.399	53	187399	224.373	ug/l	99
16) Acetone	4.155	43	215353	280.521	ug/l	94
17) Carbon Disulfide	4.417	76	329086	44.096	ug/l	98
18) Methyl Acetate	4.698	43	103907	42.773	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	230631	47.078	ug/l	99
20) Methylene Chloride	4.954	84	151276	42.619	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	140330	47.559	ug/l	96
22) Diisopropyl ether	6.338	45	393820	46.165	ug/l	94
23) Vinyl Acetate	6.277	43	1376206	245.711	ug/l	99
24) 1,1-Dichloroethane	6.240	63	251551	46.152	ug/l	99
25) 2-Butanone	7.191	43	252610	231.522	ug/l	97
26) 2,2-Dichloropropane	7.179	77	138368	50.603	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	167202	48.478	ug/l	96
28) Bromochloromethane	7.527	49	107827	43.473	ug/l	97
29) Tetrahydrofuran	7.545	42	165971	230.658	ug/l	98
30) Chloroform	7.685	83	284406	49.220	ug/l	100
31) Cyclohexane	7.965	56	208290	44.080	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	211487	50.388	ug/l	97
36) 1,1-Dichloropropene	8.093	75	190790	54.296	ug/l	99
37) Ethyl Acetate	7.270	43	111072	53.670	ug/l	97
38) Carbon Tetrachloride	8.081	117	204584	60.331	ug/l	96
39) Methylcyclohexane	9.343	83	232096	54.191	ug/l	97
40) Benzene	8.331	78	573925	52.545	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032107.D
 Acq On : 22 Aug 2025 12:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Semsettin

Yesilyurt

08/25/2025

Supervised By :Mahesh
Dadoda

Quant Time: Aug 25 03:50:17 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	7.496	41	64477	54.938	ug/l	98
42) 1,2-Dichloroethane	8.410	62	191460	54.779	ug/l	98
43) Isopropyl Acetate	8.435	43	204668	53.753	ug/l	98
44) Trichloroethene	9.099	130	138614	53.290	ug/l	99
45) 1,2-Dichloropropane	9.374	63	135525	51.359	ug/l	98
46) Dibromomethane	9.465	93	91794	53.899	ug/l	96
47) Bromodichloromethane	9.648	83	213806	54.482	ug/l	98
48) Methyl methacrylate	9.441	41	95664	52.043	ug/l	93
49) 1,4-Dioxane	9.459	88	24278	1102.542	ug/l	98
51) 4-Methyl-2-Pentanone	10.209	43	583607	271.556	ug/l	98
52) Toluene	10.386	92	374497	54.434	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	197759	53.789	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	221731	53.160	ug/l #	88
55) 1,1,2-Trichloroethane	10.788	97	119964	53.009	ug/l	97
56) Ethyl methacrylate	10.648	69	163765	54.076	ug/l #	94
57) 1,3-Dichloropropane	10.928	76	203093	51.484	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.922	63	418525	249.848	ug/l	99
59) 2-Hexanone	10.965	43	410868	276.045	ug/l	96
60) Dibromochloromethane	11.130	129	147281	56.972	ug/l	98
61) 1,2-Dibromoethane	11.233	107	116633	53.033	ug/l	97
64) Tetrachloroethene	10.861	164	116098	57.415	ug/l	95
65) Chlorobenzene	11.654	112	411476	53.999	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	137785	57.955	ug/l	97
67) Ethyl Benzene	11.727	91	727983	56.401	ug/l	99
68) m/p-Xylenes	11.837	106	573373	115.123	ug/l	99
69) o-Xylene	12.166	106	263527	57.247	ug/l	97
70) Styrene	12.178	104	457694	55.976	ug/l	99
71) Bromoform	12.349	173	84763	62.328	ug/l #	99
73) Isopropylbenzene	12.459	105	678121	54.561	ug/l	98
74) N-amyl acetate	12.270	43	191017	53.569	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.715	83	149910	50.800	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	109550m	45.386	ug/l	
77) Bromobenzene	12.745	156	165247	55.667	ug/l	90
78) n-propylbenzene	12.800	91	858032	56.074	ug/l	98
79) 2-Chlorotoluene	12.891	91	499434	52.885	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	577915	54.770	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	45905	49.236	ug/l	91
82) 4-Chlorotoluene	12.983	91	513517	51.180	ug/l	94
83) tert-Butylbenzene	13.202	119	512461	58.520	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	594687	55.365	ug/l	99
85) sec-Butylbenzene	13.379	105	746453	56.380	ug/l	100
86) p-Isopropyltoluene	13.489	119	618425	56.029	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	334998	56.714	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	329197	55.149	ug/l	97
89) n-Butylbenzene	13.818	91	615433	57.394	ug/l	99
90) Hexachloroethane	14.086	117	113164	56.062	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	289722	54.146	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	25812	49.202	ug/l	94
93) 1,2,4-Trichlorobenzene	15.123	180	177438	55.434	ug/l	99
94) Hexachlorobutadiene	15.226	225	82155	57.418	ug/l	95
95) Naphthalene	15.360	128	412715	52.621	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	159949	54.921	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032107.D
Acq On : 22 Aug 2025 12:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

08/25/2025
Supervised By :Mahesh
Dadoda

08/25/2025

Quant Time: Aug 25 03:50:17 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032107.D
 Acq On : 22 Aug 2025 12:12
 Operator : SY/MD
 Sample : VSTDCCC050
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Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Semsettin
 Yesilyurt

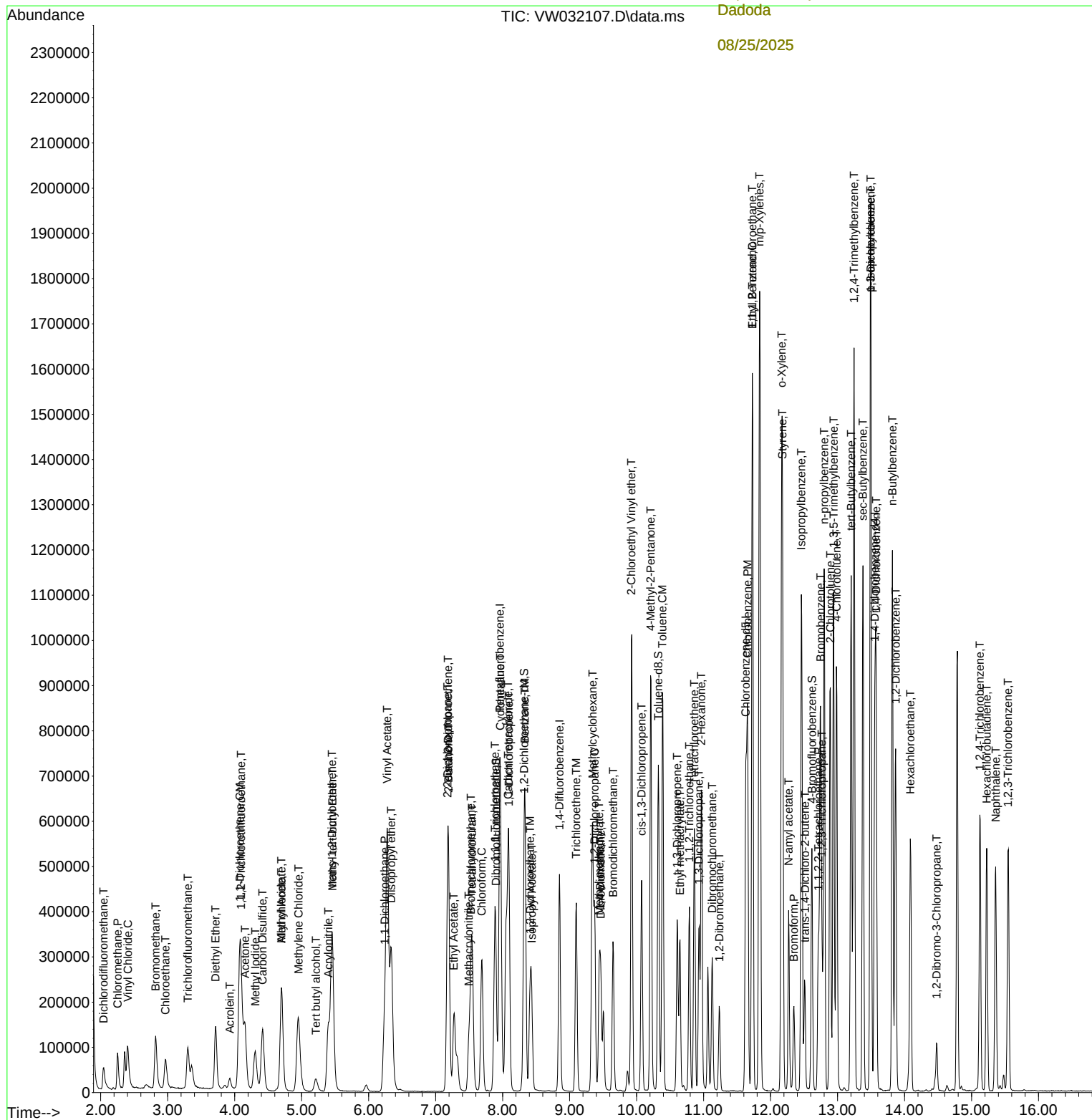
08/25/2025

Supervised By :Mahesh

Dadoda

08/25/2025

Quant Time: Aug 25 03:50:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032107.D
 Acq On : 22 Aug 2025 12:12
 Operator : SY/MD
 Sample : VSTDCCC050
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 LabSampleId :
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Quant Time: Aug 25 03:50:17 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	103	0.00
2 T	Dichlorodifluoromethane	0.358	0.349	2.5	106	0.00
3 P	Chloromethane	0.482	0.393	18.5	92	0.00
4 C	Vinyl Chloride	0.583	0.545	6.5#	106	0.00
5 T	Bromomethane	0.437	0.441	-0.9	110	0.00
6 T	Chloroethane	0.386	0.377	2.3	105	0.00
7 T	Trichlorofluoromethane	0.467	0.489	-4.7	108	0.00
8 T	Diethyl Ether	0.382	0.362	5.2	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.604	-9.6	120	0.00
10 T	Methyl Iodide	0.781	0.757	3.1	104	0.00
11 T	Tert butyl alcohol	0.047	0.042	10.6	85	0.00
12 CM	1,1-Dichloroethene	0.606	0.640	-5.6#	114	0.00
13 T	Acrolein	0.075	0.025	66.7#	36#	0.00
14 T	Allyl chloride	0.883	0.787	10.9	94	0.00
15 T	Acrylonitrile	0.182	0.163	10.4	88	0.00
16 T	Acetone	0.167	0.188	-12.6	118	0.00
17 T	Carbon Disulfide	1.628	1.435	11.9	95	0.00
18 T	Methyl Acetate	0.530	0.453	14.5	84	-0.01
19 T	Methyl tert-butyl Ether	1.068	1.006	5.8	94	0.00
20 T	Methylene Chloride	0.774	0.660	14.7	99	0.00
21 T	trans-1,2-Dichloroethene	0.644	0.612	5.0	100	0.00
22 T	Diisopropyl ether	1.860	1.718	7.6	93	0.00
23 T	Vinyl Acetate	1.222	1.201	1.7	95	0.00
24 P	1,1-Dichloroethane	1.189	1.097	7.7	97	0.00
25 T	2-Butanone	0.238	0.220	7.6	89	0.00
26 T	2,2-Dichloropropane	0.596	0.604	-1.3	107	-0.01
27 T	cis-1,2-Dichloroethene	0.752	0.729	3.1	100	0.00
28 T	Bromochloromethane	0.541	0.470	13.1	89	0.00
29 T	Tetrahydrofuran	0.157	0.145	7.6	87	0.00
30 C	Chloroform	1.260	1.241	1.5#	103	0.00
31 T	Cyclohexane	1.031	0.909	11.8	97	0.00
32 T	1,1,1-Trichloroethane	0.915	0.922	-0.8	109	0.00
33 S	1,2-Dichloroethane-d4	0.723	0.663	8.3	95	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35 S	Dibromofluoromethane	0.323	0.326	-0.9	95	0.00
36 T	1,1-Dichloropropene	0.455	0.494	-8.6	100	0.00
37 T	Ethyl Acetate	0.268	0.288	-7.5	93	0.00
38 T	Carbon Tetrachloride	0.439	0.530	-20.7	112	0.00
39 T	Methylcyclohexane	0.555	0.602	-8.5	99	0.00
40 TM	Benzene	1.415	1.488	-5.2	96	0.00
41 T	Methacrylonitrile	0.152	0.167	-9.9	95	0.00
42 TM	1,2-Dichloroethane	0.453	0.496	-9.5	101	0.00
43 T	Isopropyl Acetate	0.493	0.530	-7.5	93	0.00
44 TM	Trichloroethene	0.337	0.359	-6.5	101	0.00
45 C	1,2-Dichloropropane	0.342	0.351	-2.6#	94	0.00
46 T	Dibromomethane	0.221	0.238	-7.7	99	0.00
47 T	Bromodichloromethane	0.509	0.554	-8.8	99	0.00
48 T	Methyl methacrylate	0.238	0.248	-4.2	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032107.D
 Acq On : 22 Aug 2025 12:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 25 03:50:17 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	91	0.00
50 S	Toluene-d8	1.195	1.210	-1.3	92	0.00
51 T	4-Methyl-2-Pentanone	0.279	0.303	-8.6	92	0.00
52 CM	Toluene	0.892	0.971	-8.9#	99	0.00
53 T	t-1,3-Dichloropropene	0.476	0.513	-7.8	94	0.00
54 T	cis-1,3-Dichloropropene	0.541	0.575	-6.3	94	0.00
55 T	1,1,2-Trichloroethane	0.293	0.311	-6.1	96	0.00
56 T	Ethyl methacrylate	0.392	0.424	-8.2	92	0.00
57 T	1,3-Dichloropropane	0.511	0.526	-2.9	94	0.00
58 T	2-Chloroethyl Vinyl ether	0.217	0.217	0.0	85	0.00
59 T	2-Hexanone	0.193	0.213	-10.4	92	0.00
60 T	Dibromochloromethane	0.335	0.382	-14.0	104	0.00
61 T	1,2-Dibromoethane	0.285	0.302	-6.0	96	0.00
62 S	4-Bromofluorobenzene	0.440	0.431	2.0	89	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64 T	Tetrachloroethene	0.289	0.332	-14.9	110	0.00
65 PM	Chlorobenzene	1.088	1.175	-8.0	102	0.00
66 T	1,1,1,2-Tetrachloroethane	0.340	0.394	-15.9	107	0.00
67 C	Ethyl Benzene	1.843	2.079	-12.8#	103	0.00
68 T	m/p-Xylenes	0.711	0.819	-15.2	104	0.00
69 T	o-Xylene	0.657	0.753	-14.6	102	0.00
70 T	Styrene	1.168	1.307	-11.9	100	0.00
71 P	Bromoform	0.194	0.242	-24.7	109	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73 T	Isopropylbenzene	3.494	3.813	-9.1	104	0.00
74 T	N-amyl acetate	1.003	1.074	-7.1	96	0.00
75 P	1,1,2,2-Tetrachloroethane	0.830	0.843	-1.6	96	0.00
76 T	1,2,3-Trichloropropane	0.679	0.616	9.3	80	0.00
77 T	Bromobenzene	0.835	0.929	-11.3	106	0.00
78 T	n-propylbenzene	4.302	4.825	-12.2	107	0.00
79 T	2-Chlorotoluene	2.655	2.808	-5.8	102	0.00
80 T	1,3,5-Trimethylbenzene	2.967	3.250	-9.5	104	0.00
81 T	trans-1,4-Dichloro-2-butene	0.262	0.258	1.5	89	0.00
82 T	4-Chlorotoluene	2.821	2.887	-2.3	99	0.00
83 T	tert-Butylbenzene	2.462	2.882	-17.1	111	0.00
84 T	1,2,4-Trimethylbenzene	3.020	3.344	-10.7	104	0.00
85 T	sec-Butylbenzene	3.722	4.197	-12.8	108	0.00
86 T	p-Isopropyltoluene	3.103	3.477	-12.1	105	0.00
87 T	1,3-Dichlorobenzene	1.661	1.884	-13.4	107	0.00
88 T	1,4-Dichlorobenzene	1.678	1.851	-10.3	110	0.00
89 T	n-Butylbenzene	3.015	3.461	-14.8	108	0.00
90 T	Hexachloroethane	0.568	0.636	-12.0	112	0.00
91 T	1,2-Dichlorobenzene	1.504	1.629	-8.3	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.147	0.145	1.4	91	0.00
93 T	1,2,4-Trichlorobenzene	0.900	0.998	-10.9	108	0.00
94 T	Hexachlorobutadiene	0.402	0.462	-14.9	119	0.00
95 T	Naphthalene	2.205	2.321	-5.3	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032107.D
Acq On : 22 Aug 2025 12:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 03:50:17 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	0.899	-9.8	107	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032107.D
 Acq On : 22 Aug 2025 12:12
 Operator : SY/MD
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 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	103	0.00
2 T	Dichlorodifluoromethane	50.000	48.758	2.5	106	0.00
3 P	Chloromethane	50.000	40.813	18.4	92	0.00
4 C	Vinyl Chloride	50.000	46.752	6.5#	106	0.00
5 T	Bromomethane	50.000	50.395	-0.8	110	0.00
6 T	Chloroethane	50.000	48.829	2.3	105	0.00
7 T	Trichlorofluoromethane	50.000	52.330	-4.7	108	0.00
8 T	Diethyl Ether	50.000	47.343	5.3	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	54.865	-9.7	120	0.00
10 T	Methyl Iodide	50.000	48.466	3.1	104	0.00
11 T	Tert butyl alcohol	250.000	222.440	11.0	85	0.00
12 CM	1,1-Dichloroethene	50.000	52.763	-5.5#	114	0.00
13 T	Acrolein	250.000	82.547	67.0#	36	0.00
14 T	Allyl chloride	50.000	44.575	10.8	94	0.00
15 T	Acrylonitrile	250.000	224.373	10.3	88	0.00
16 T	Acetone	250.000	280.521	-12.2	118	0.00
17 T	Carbon Disulfide	50.000	44.096	11.8	95	0.00
18 T	Methyl Acetate	50.000	42.773	14.5	84	-0.01
19 T	Methyl tert-butyl Ether	50.000	47.078	5.8	94	0.00
20 T	Methylene Chloride	50.000	42.619	14.8	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.559	4.9	100	0.00
22 T	Diisopropyl ether	50.000	46.165	7.7	93	0.00
23 T	Vinyl Acetate	250.000	245.711	1.7	95	0.00
24 P	1,1-Dichloroethane	50.000	46.152	7.7	97	0.00
25 T	2-Butanone	250.000	231.522	7.4	89	0.00
26 T	2,2-Dichloropropane	50.000	50.603	-1.2	107	-0.01
27 T	cis-1,2-Dichloroethene	50.000	48.478	3.0	100	0.00
28 T	Bromochloromethane	50.000	43.473	13.1	89	0.00
29 T	Tetrahydrofuran	250.000	230.658	7.7	87	0.00
30 C	Chloroform	50.000	49.220	1.6#	103	0.00
31 T	Cyclohexane	50.000	44.080	11.8	97	0.00
32 T	1,1,1-Trichloroethane	50.000	50.388	-0.8	109	0.00
33 S	1,2-Dichloroethane-d4	50.000	45.861	8.3	95	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35 S	Dibromofluoromethane	50.000	50.486	-1.0	95	0.00
36 T	1,1-Dichloropropene	50.000	54.296	-8.6	100	0.00
37 T	Ethyl Acetate	50.000	53.670	-7.3	93	0.00
38 T	Carbon Tetrachloride	50.000	60.331	-20.7	112	0.00
39 T	Methylcyclohexane	50.000	54.191	-8.4	99	0.00
40 TM	Benzene	50.000	52.545	-5.1	96	0.00
41 T	Methacrylonitrile	50.000	54.938	-9.9	95	0.00
42 TM	1,2-Dichloroethane	50.000	54.779	-9.6	101	0.00
43 T	Isopropyl Acetate	50.000	53.753	-7.5	93	0.00
44 TM	Trichloroethene	50.000	53.290	-6.6	101	0.00
45 C	1,2-Dichloropropane	50.000	51.359	-2.7#	94	0.00
46 T	Dibromomethane	50.000	53.899	-7.8	99	0.00
47 T	Bromodichloromethane	50.000	54.482	-9.0	99	0.00
48 T	Methyl methacrylate	50.000	52.043	-4.1	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032107.D
 Acq On : 22 Aug 2025 12:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 25 03:50:17 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	1102.542	-10.3	91	0.00
50 S	Toluene-d8	50.000	50.634	-1.3	92	0.00
51 T	4-Methyl-2-Pentanone	250.000	271.556	-8.6	92	0.00
52 CM	Toluene	50.000	54.434	-8.9#	99	0.00
53 T	t-1,3-Dichloropropene	50.000	53.789	-7.6	94	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.160	-6.3	94	0.00
55 T	1,1,2-Trichloroethane	50.000	53.009	-6.0	96	0.00
56 T	Ethyl methacrylate	50.000	54.076	-8.2	92	0.00
57 T	1,3-Dichloropropane	50.000	51.484	-3.0	94	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	249.848	0.1	85	0.00
59 T	2-Hexanone	250.000	276.045	-10.4	92	0.00
60 T	Dibromochloromethane	50.000	56.972	-13.9	104	0.00
61 T	1,2-Dibromoethane	50.000	53.033	-6.1	96	0.00
62 S	4-Bromofluorobenzene	50.000	48.916	2.2	89	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64 T	Tetrachloroethene	50.000	57.415	-14.8	110	0.00
65 PM	Chlorobenzene	50.000	53.999	-8.0	102	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	57.955	-15.9	107	0.00
67 C	Ethyl Benzene	50.000	56.401	-12.8#	103	0.00
68 T	m/p-Xylenes	100.000	115.123	-15.1	104	0.00
69 T	o-Xylene	50.000	57.247	-14.5	102	0.00
70 T	Styrene	50.000	55.976	-12.0	100	0.00
71 P	Bromoform	50.000	62.328	-24.7	109	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73 T	Isopropylbenzene	50.000	54.561	-9.1	104	0.00
74 T	N-ethyl acetate	50.000	53.569	-7.1	96	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.800	-1.6	96	0.00
76 T	1,2,3-Trichloropropane	50.000	45.386	9.2	80	0.00
77 T	Bromobenzene	50.000	55.667	-11.3	106	0.00
78 T	n-propylbenzene	50.000	56.074	-12.1	107	0.00
79 T	2-Chlorotoluene	50.000	52.885	-5.8	102	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.770	-9.5	104	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.236	1.5	89	0.00
82 T	4-Chlorotoluene	50.000	51.180	-2.4	99	0.00
83 T	tert-Butylbenzene	50.000	58.520	-17.0	111	0.00
84 T	1,2,4-Trimethylbenzene	50.000	55.365	-10.7	104	0.00
85 T	sec-Butylbenzene	50.000	56.380	-12.8	108	0.00
86 T	p-Isopropyltoluene	50.000	56.029	-12.1	105	0.00
87 T	1,3-Dichlorobenzene	50.000	56.714	-13.4	107	0.00
88 T	1,4-Dichlorobenzene	50.000	55.149	-10.3	110	0.00
89 T	n-Butylbenzene	50.000	57.394	-14.8	108	0.00
90 T	Hexachloroethane	50.000	56.062	-12.1	112	0.00
91 T	1,2-Dichlorobenzene	50.000	54.146	-8.3	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.202	1.6	91	0.00
93 T	1,2,4-Trichlorobenzene	50.000	55.434	-10.9	108	0.00
94 T	Hexachlorobutadiene	50.000	57.418	-14.8	119	0.00
95 T	Naphthalene	50.000	52.621	-5.2	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032107.D
Acq On : 22 Aug 2025 12:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 03:50:17 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	54.921	-9.8	107	0.00

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



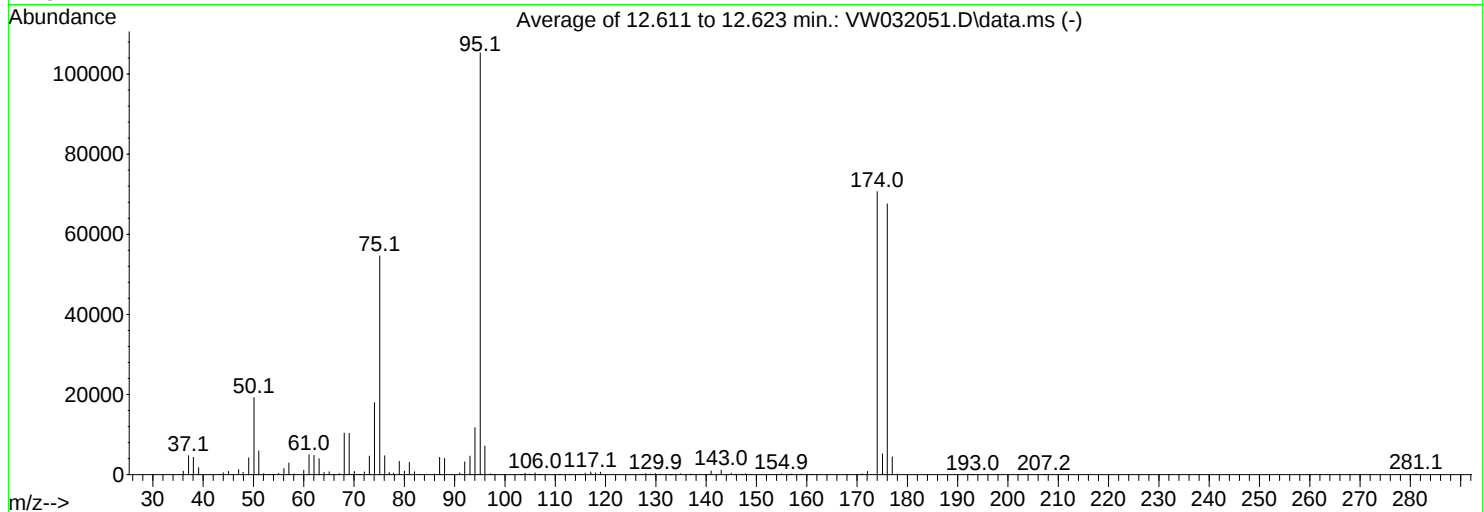
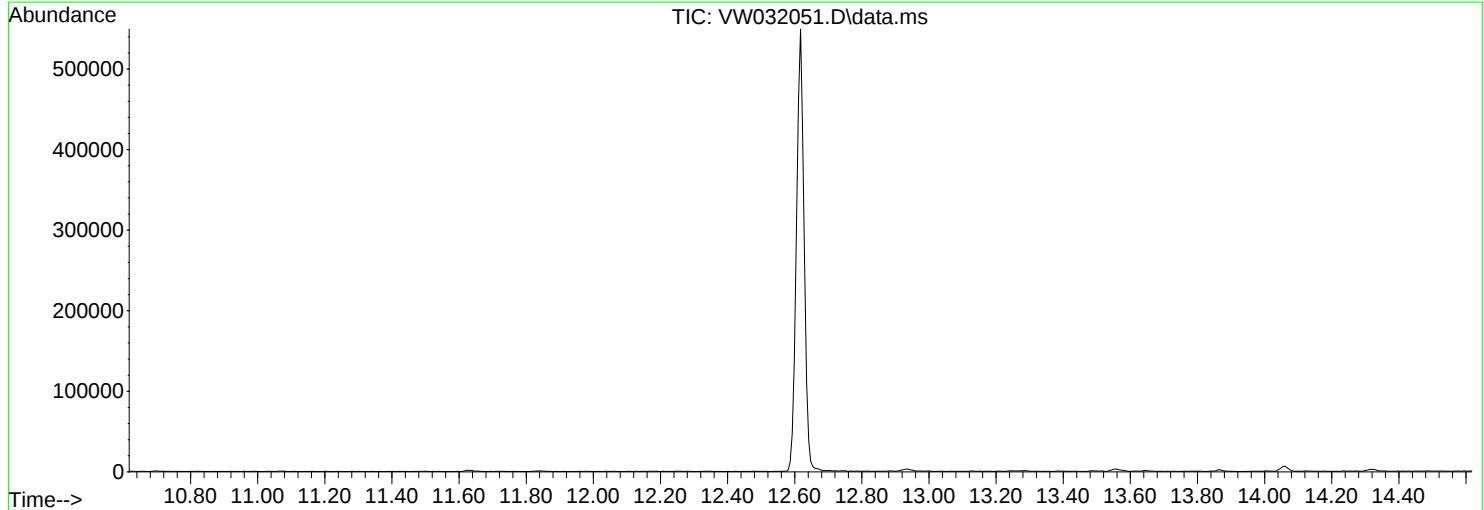
QC SAMPLE DATA

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

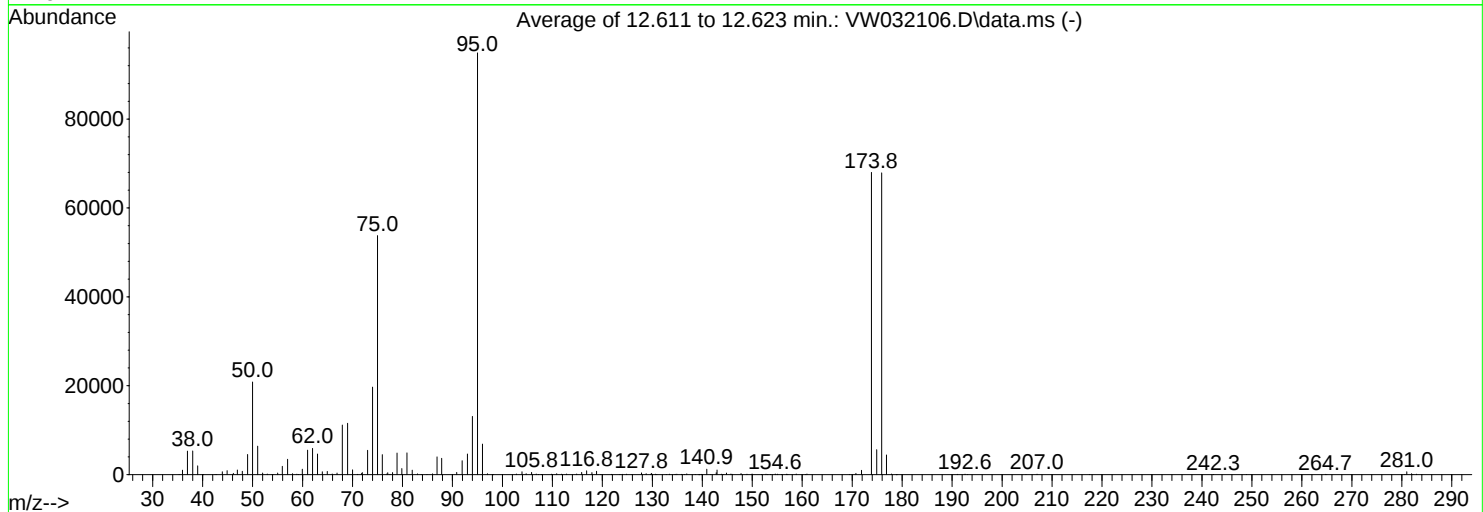
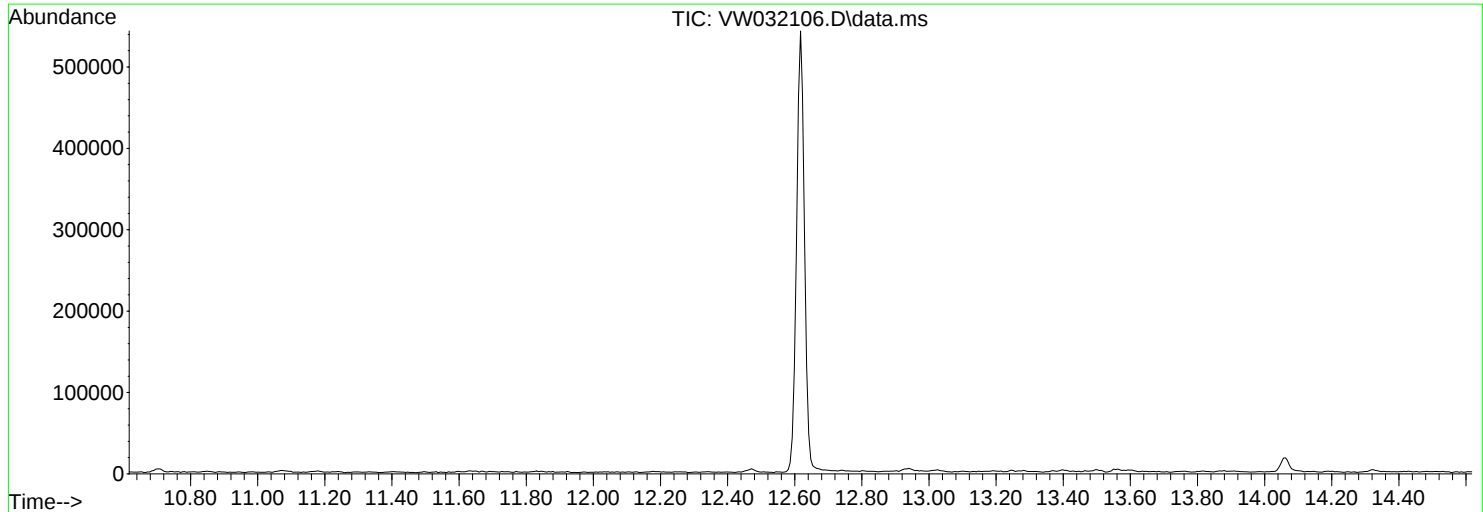
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	19253	PASS
75	95	30	60	51.9	54621	PASS
95	95	100	100	100.0	105291	PASS
96	95	5	9	6.8	7140	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.1	70667	PASS
175	174	5	9	7.3	5189	PASS
176	174	95	101	95.6	67573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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032106.D
Acq On : 22 Aug 2025 10:45
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 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	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	22.0	20861	PASS
75	95	30	60	56.7	53779	PASS
95	95	100	100	100.0	94904	PASS
96	95	5	9	7.2	6877	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	71.7	68000	PASS
175	174	5	9	8.3	5635	PASS
176	174	95	101	99.9	67899	PASS
177	176	5	9	6.5	4440	PASS

Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	VW0822SBL01	SDG No.:	Q2928
Lab Sample ID:	VW0822SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
Prep Method :	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032108.D	1	08/22/25 13:35	VW082225

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

Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	VW0822SBL01	SDG No.:	Q2928
Lab Sample ID:	VW0822SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
Prep Method :	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032108.D	1	08/22/25 13:35	VW082225

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	53.9		63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		70 - 134	109%	SPK: 50
2037-26-5	Toluene-d8	49.8		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		17 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	152000	7.959			
540-36-3	1,4-Difluorobenzene	321000	8.849			
3114-55-4	Chlorobenzene-d5	308000	11.636			
3855-82-1	1,4-Dichlorobenzene-d4	143000	13.556			

Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	VW0822SBL01	SDG No.:	Q2928
Lab Sample ID:	VW0822SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032108.D	1	08/22/25 13:35	VW082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VW082225\
 Data File : VW032108.D
 Acq On : 22 Aug 2025 13:35
 Operator : SY/MD
 Sample : VW0822SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBL01

Quant Time: Aug 25 03:51:48 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	152490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	320732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	308340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	143329	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	118893	53.909	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	107.820%
35) Dibromofluoromethane	7.898	113	113141	54.603	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	109.200%
50) Toluene-d8	10.325	98	381844	49.824	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	99.640%
62) 4-Bromofluorobenzene	12.617	95	133093	47.125	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	94.240%

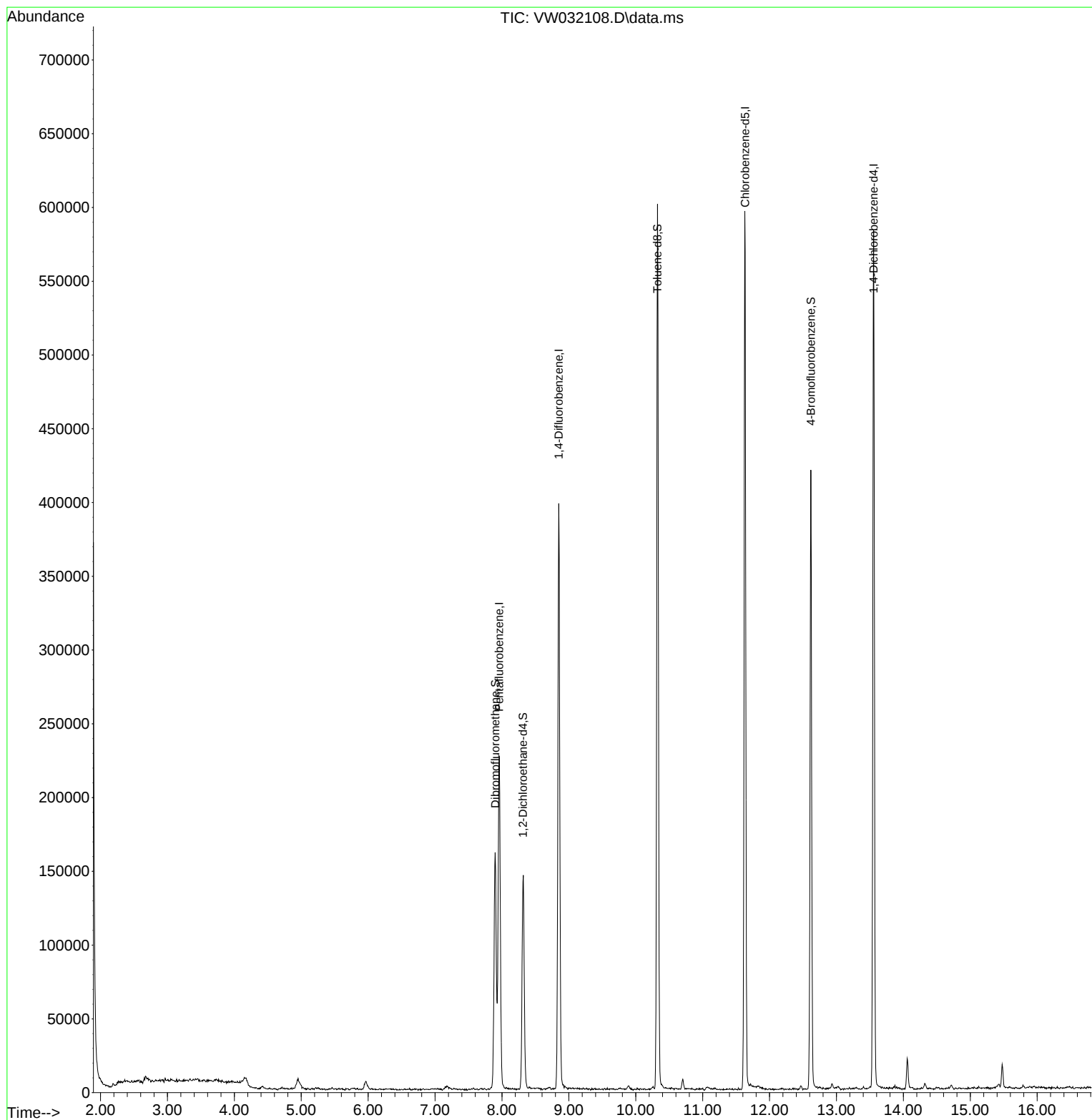
Target Compounds	Qvalue

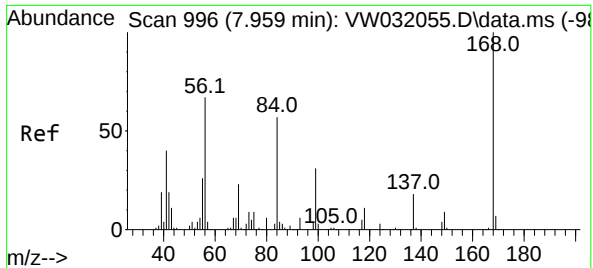
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032108.D
Acq On : 22 Aug 2025 13:35
Operator : SY/MD
Sample : VW0822SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBL01

Quant Time: Aug 25 03:51:48 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

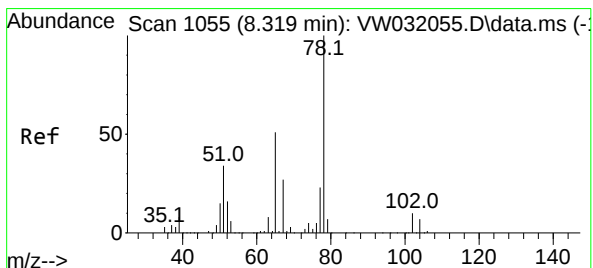
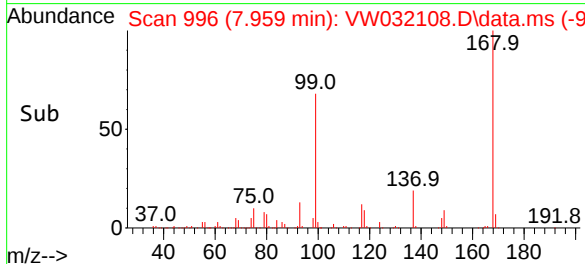
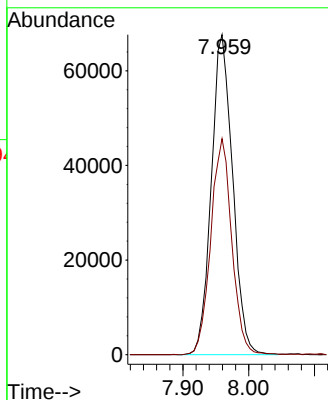
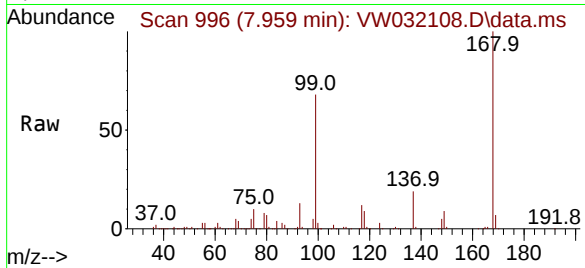




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032108.D
Acq: 22 Aug 2025 13:35

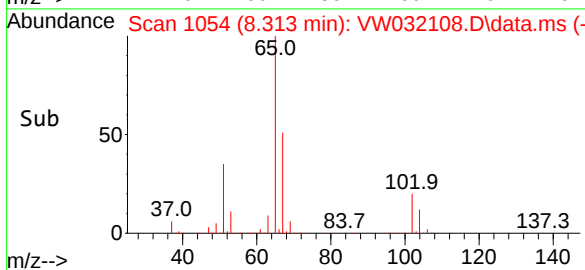
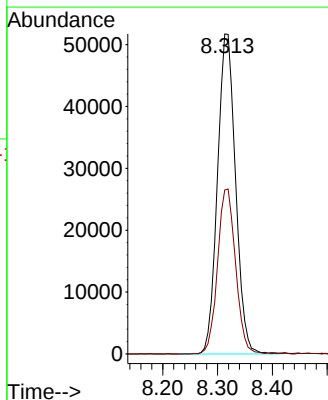
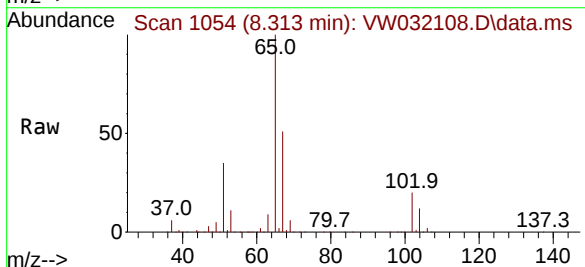
Instrument :
MSVOA_W
ClientSampleId :
VW0822SBL01

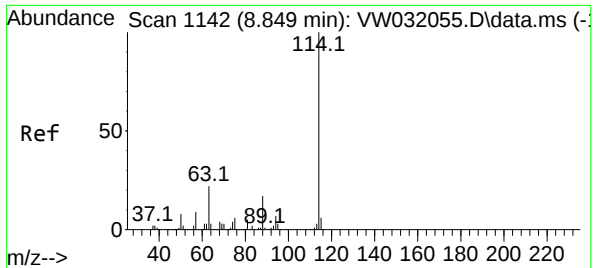
Tgt Ion:168 Resp: 152490
Ion Ratio Lower Upper
168 100
99 67.5 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 53.909 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032108.D
Acq: 22 Aug 2025 13:35

Tgt Ion: 65 Resp: 118893
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4

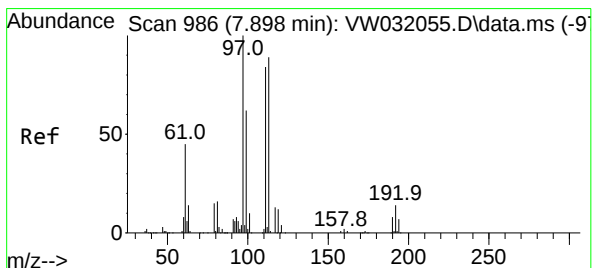
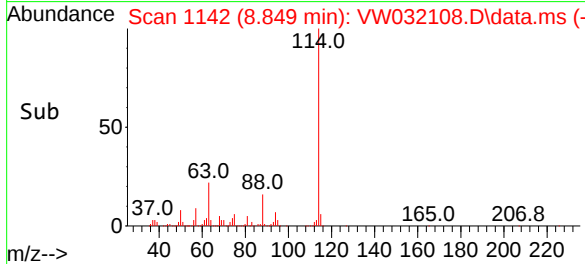
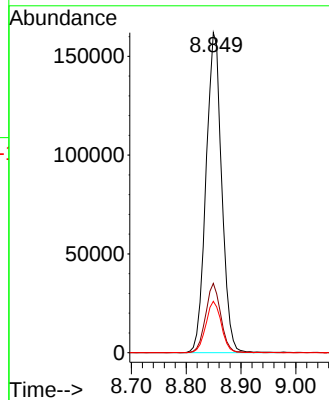
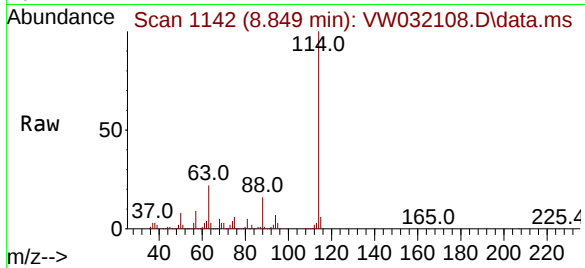




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032108.D
Acq: 22 Aug 2025 13:35

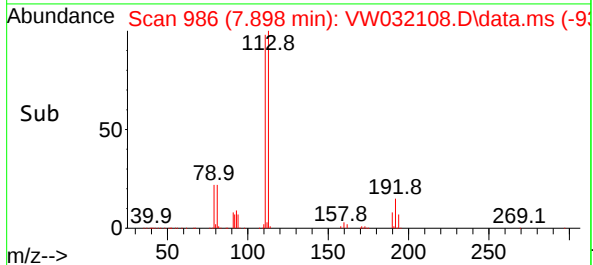
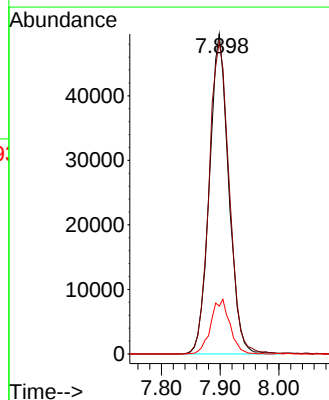
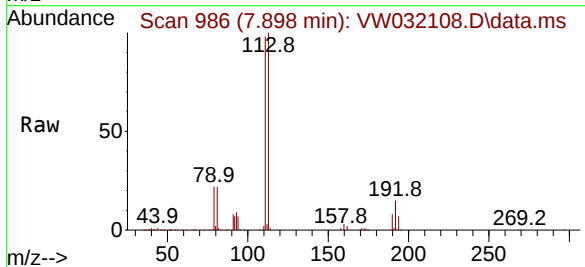
Instrument :
MSVOA_W
ClientSampleId :
VW0822SBL01

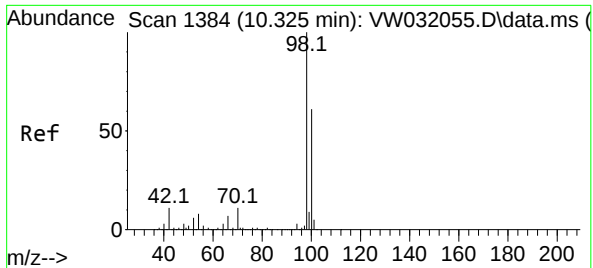
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.0
88	16.1	0.0	33.8



#35
Dibromofluoromethane
Concen: 54.603 ug/l
RT: 7.898 min Scan# 986
Delta R.T. 0.000 min
Lab File: VW032108.D
Acq: 22 Aug 2025 13:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.1	120.1
192	16.9	13.1	19.7

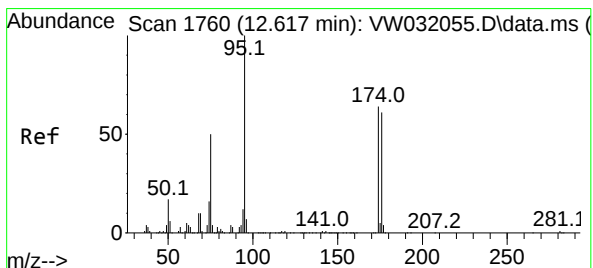
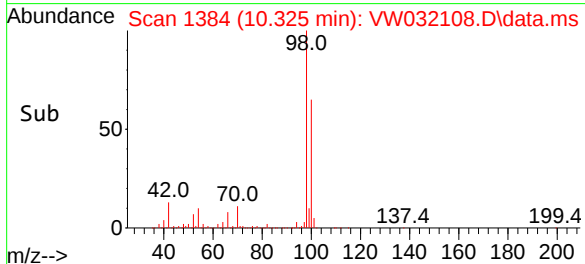
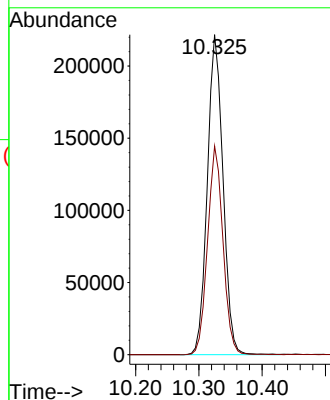
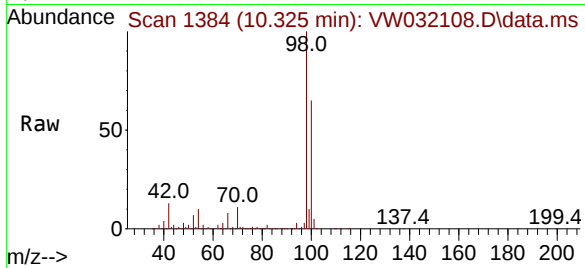




#50
Toluene-d8
Concen: 49.824 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032108.D
Acq: 22 Aug 2025 13:35

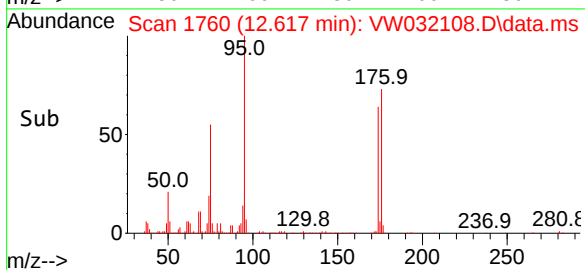
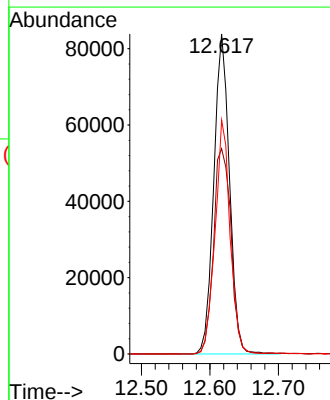
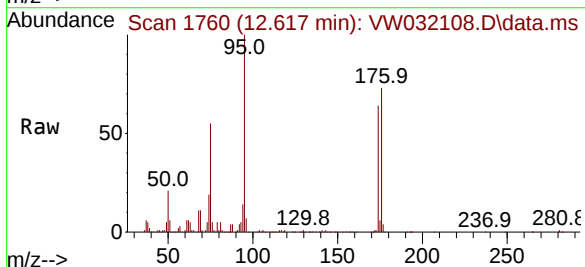
Instrument :
MSVOA_W
ClientSampleId :
VW0822SBL01

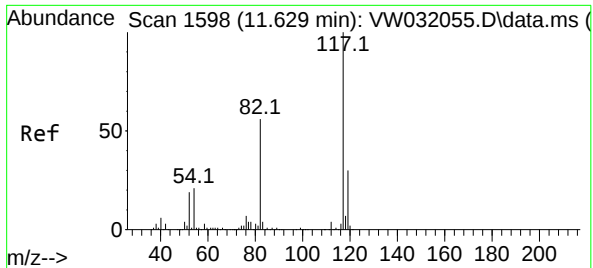
Tgt Ion: 98 Resp: 381844
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 47.125 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032108.D
Acq: 22 Aug 2025 13:35

Tgt Ion: 95 Resp: 133093
Ion Ratio Lower Upper
95 100
174 71.5 0.0 129.0
176 70.2 0.0 124.6

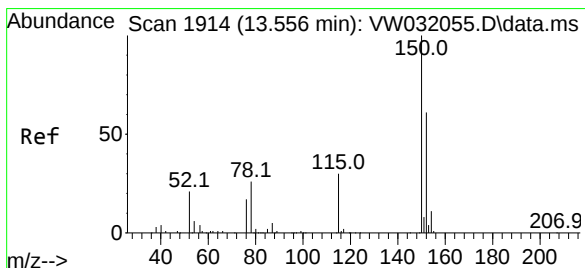
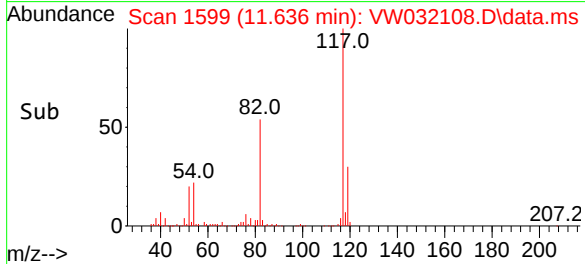
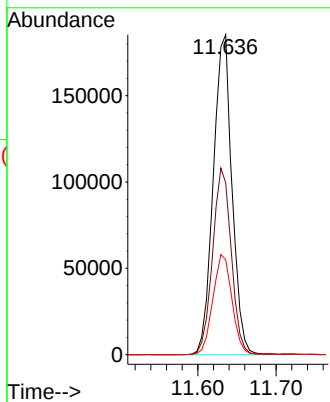
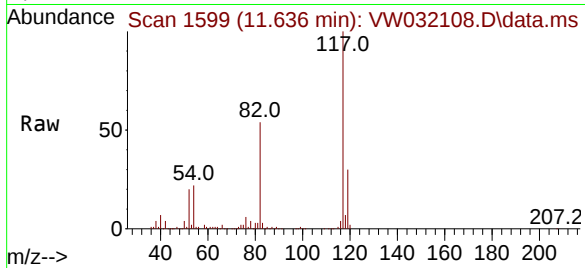




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 11599
Delta R.T. 0.006 min
Lab File: VW032108.D
Acq: 22 Aug 2025 13:35

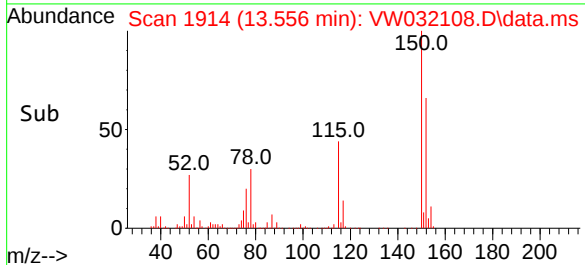
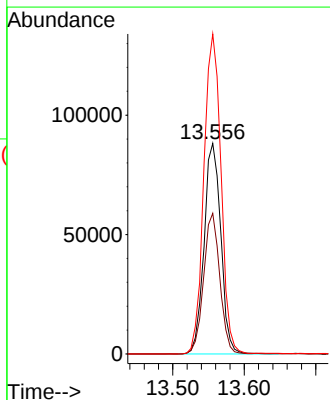
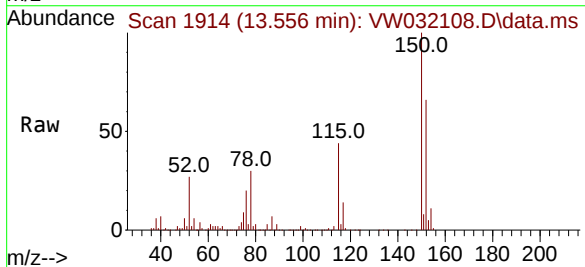
Instrument :
MSVOA_W
ClientSampleId :
VW0822SBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	45.0	67.4
119	29.6	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: VW032108.D
Acq: 22 Aug 2025 13:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.7	32.6	97.8
150	155.3	0.0	359.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032108.D
 Acq On : 22 Aug 2025 13:35
 Operator : SY/MD
 Sample : VW0822SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBL01

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: VW032108.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	494	503	512	rVB5	6564	21048	2.01%	0.361%
2	5.966	662	669	680	rVB8	5602	17259	1.65%	0.296%
3	7.898	977	986	991	rBV2	159557	387020	36.94%	6.629%
4	7.959	991	996	1012	rVB	225216	503966	48.11%	8.633%
5	8.319	1046	1055	1067	rBV	145171	330801	31.58%	5.666%
6	8.849	1132	1142	1155	rBV	396849	791146	75.52%	13.552%
7	10.325	1377	1384	1401	rBV	599594	1047606	100.00%	17.945%
8	10.703	1441	1446	1451	rVB3	6791	12087	1.15%	0.207%
9	11.629	1589	1598	1608	rBV	595499	1015476	96.93%	17.394%
10	12.617	1750	1760	1773	rBV	419787	697452	66.58%	11.947%
11	13.556	1907	1914	1928	rBV	580782	950959	90.77%	16.289%
12	14.056	1991	1996	2005	rBV	20676	37520	3.58%	0.643%
13	15.476	2224	2229	2234	rBV	15439	25590	2.44%	0.438%

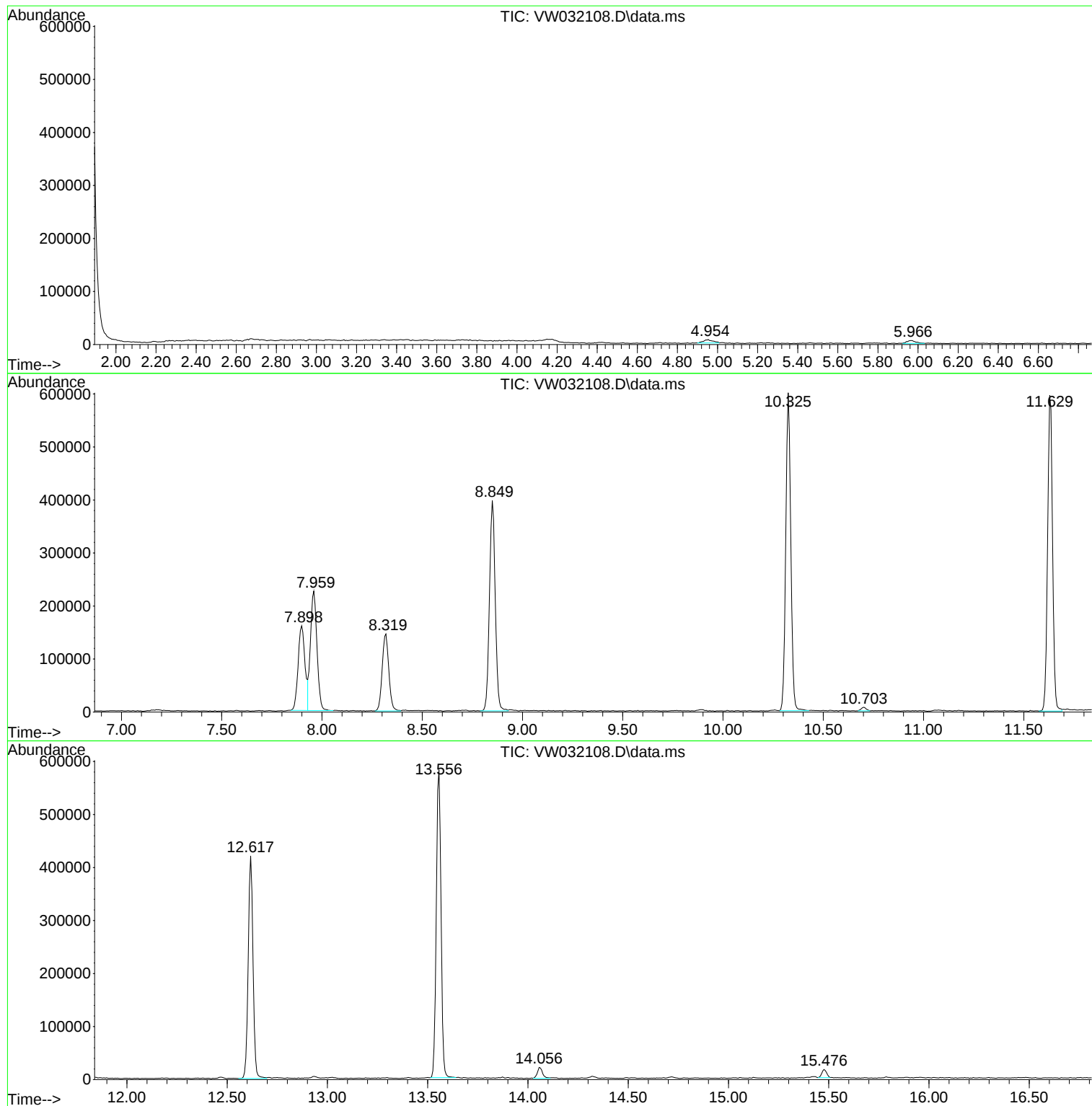
Sum of corrected areas: 5837930

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032108.D
Acq On : 22 Aug 2025 13:35
Operator : SY/MD
Sample : VW0822SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBL01

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032108.D
Acq On : 22 Aug 2025 13:35
Operator : SY/MD
Sample : VW0822SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBL01

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\VW082225\
Data File : VW032108.D
Acq On : 22 Aug 2025 13:35
Operator : SY/MD
Sample : VW0822SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBL01

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	VW0822SBS01	SDG No.:	Q2928
Lab Sample ID:	VW0822SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032109.D	1	08/22/25 14:22	VW082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	23.8		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.5		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	23.3		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.9		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	23.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	22.1		1.00	5.00	ug/Kg
67-64-1	Acetone	130		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.1		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.6		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.4		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.4		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.5		0.91	5.00	ug/Kg
71-43-2	Benzene	20.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	21.5		0.78	5.00	ug/Kg

Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	VW0822SBS01	SDG No.:	Q2928
Lab Sample ID:	VW0822SBS01	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
VW032109.D	1	08/22/25 14:22	VW082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.5		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	22.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	22.5		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	23.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.3		0.82	5.00	ug/Kg
100-42-5	Styrene	21.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	22.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.6		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.1		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.9		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.8		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.4		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		17 - 146	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	7.953			
540-36-3	1,4-Difluorobenzene	360000	8.849			
3114-55-4	Chlorobenzene-d5	336000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	177000	13.556			

Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	VW0822SBS01	SDG No.:	Q2928
Lab Sample ID:	VW0822SBS01	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
VW032109.D	1	08/22/25 14:22	VW082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VW082225\
 Data File : VW032109.D
 Acq On : 22 Aug 2025 14:22
 Operator : SY/MD
 Sample : VW0822SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
 Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 25 03:52:19 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	7.953	168	205288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	359763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	335789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	176918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	149860	50.474	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.940%			
35) Dibromofluoromethane	7.892	113	118578	51.019	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 102.040%			
50) Toluene-d8	10.325	98	433450	50.421	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 100.840%			
62) 4-Bromofluorobenzene	12.617	95	156844	49.510	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 99.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	34992	23.832	ug/l	96
3) Chloromethane	2.253	50	36549	18.480	ug/l	97
4) Vinyl Chloride	2.399	62	50270	21.013	ug/l	99
5) Bromomethane	2.820	94	41799	23.289	ug/l	91
6) Chloroethane	2.972	64	33021	20.859	ug/l	93
7) Trichlorofluoromethane	3.302	101	37209	19.415	ug/l	93
8) Diethyl Ether	3.710	74	34461	21.947	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.100	101	53990	23.879	ug/l	99
10) Methyl Iodide	4.301	142	66527	20.752	ug/l	96
11) Tert butyl alcohol	5.216	59	19013	98.894	ug/l #	94
12) 1,1-Dichloroethene	4.076	96	55125	22.142	ug/l	98
13) Acrolein	3.923	56	20312	66.307	ug/l	94
14) Allyl chloride	4.698	41	64004	17.664	ug/l #	87
15) Acrylonitrile	5.393	53	72540	96.995	ug/l	99
16) Acetone	4.155	43	89543	130.262	ug/l	97
17) Carbon Disulfide	4.417	76	121036	18.112	ug/l	98
18) Methyl Acetate	4.704	43	42453	19.517	ug/l	97
19) Methyl tert-butyl Ether	5.460	73	84603	19.287	ug/l	100
20) Methylene Chloride	4.948	84	71877	22.615	ug/l	98
21) trans-1,2-Dichloroethene	5.447	96	51252	19.398	ug/l	96
22) Diisopropyl ether	6.338	45	146579	19.189	ug/l	91
23) Vinyl Acetate	6.277	43	498666	99.431	ug/l	99
24) 1,1-Dichloroethane	6.240	63	94501	19.363	ug/l	99
25) 2-Butanone	7.191	43	101151	103.534	ug/l	95
26) 2,2-Dichloropropane	7.185	77	48414	19.773	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	59833	19.374	ug/l	98
28) Bromochloromethane	7.526	49	44302	19.947	ug/l	96
29) Tetrahydrofuran	7.551	42	62814	97.491	ug/l	99
30) Chloroform	7.691	83	106961	20.673	ug/l	97
31) Cyclohexane	7.965	56	77842	18.397	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	77288	20.565	ug/l	97
36) 1,1-Dichloropropene	8.093	75	69745	21.286	ug/l	99
37) Ethyl Acetate	7.270	43	40740	21.112	ug/l	98
38) Carbon Tetrachloride	8.075	117	71311	22.553	ug/l	98
39) Methylcyclohexane	9.337	83	81837	20.492	ug/l	98
40) Benzene	8.331	78	212449	20.860	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032109.D
 Acq On : 22 Aug 2025 14:22
 Operator : SY/MD
 Sample : VW0822SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

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 Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 25 03:52:19 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)
41) Methacrylonitrile	7.502	41	23274	21.267	ug/l	98
42) 1,2-Dichloroethane	8.410	62	74676	22.914	ug/l	98
43) Isopropyl Acetate	8.435	43	75485	21.261	ug/l	98
44) Trichloroethene	9.099	130	51970	21.427	ug/l	100
45) 1,2-Dichloropropane	9.374	63	51338	20.865	ug/l	98
46) Dibromomethane	9.465	93	36718	23.122	ug/l	99
47) Bromodichloromethane	9.648	83	81369	22.237	ug/l	97
48) Methyl methacrylate	9.441	41	34673	20.229	ug/l #	92
49) 1,4-Dioxane	9.459	88	9062	441.349	ug/l	98
51) 4-Methyl-2-Pentanone	10.215	43	223728	111.644	ug/l	95
52) Toluene	10.386	92	137995	21.511	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	70218	20.482	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	79307	20.391	ug/l #	89
55) 1,1,2-Trichloroethane	10.788	97	46920	22.235	ug/l	94
56) Ethyl methacrylate	10.648	69	55906	19.798	ug/l #	90
57) 1,3-Dichloropropane	10.928	76	77725	21.131	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	155411	99.497	ug/l	97
59) 2-Hexanone	10.971	43	157334	113.364	ug/l	93
60) Dibromochloromethane	11.129	129	54583	22.644	ug/l	99
61) 1,2-Dibromoethane	11.233	107	46138	22.499	ug/l	99
64) Tetrachloroethene	10.867	164	45127	23.267	ug/l	91
65) Chlorobenzene	11.654	112	154558	21.146	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.727	131	49555	21.731	ug/l	98
67) Ethyl Benzene	11.727	91	258010	20.840	ug/l	98
68) m/p-Xylenes	11.837	106	204903	42.892	ug/l	100
69) o-Xylene	12.166	106	94012	21.292	ug/l	98
70) Styrene	12.178	104	167404	21.345	ug/l	99
71) Bromoform	12.349	173	29379	22.523	ug/l #	99
73) Isopropylbenzene	12.465	105	233663	18.899	ug/l	99
74) N-amyl acetate	12.269	43	67085	18.912	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.708	83	58260	19.846	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	49342m	20.549	ug/l	
77) Bromobenzene	12.745	156	60471	20.477	ug/l	93
78) n-propylbenzene	12.800	91	305931	20.098	ug/l	100
79) 2-Chlorotoluene	12.885	91	180153	19.176	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	202943	19.334	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.507	75	15563	16.780	ug/l	87
82) 4-Chlorotoluene	12.989	91	190525	19.088	ug/l	96
83) tert-Butylbenzene	13.202	119	171218	19.654	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	210315	19.683	ug/l	98
85) sec-Butylbenzene	13.379	105	249499	18.943	ug/l	100
86) p-Isopropyltoluene	13.495	119	220677	20.098	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	121171	20.621	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	125352	21.110	ug/l	96
89) n-Butylbenzene	13.818	91	209429	19.633	ug/l	99
90) Hexachloroethane	14.086	117	38821	19.333	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	105825	19.881	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10096	19.345	ug/l	96
93) 1,2,4-Trichlorobenzene	15.123	180	64014	20.104	ug/l	96
94) Hexachlorobutadiene	15.232	225	31074	21.831	ug/l	97
95) Naphthalene	15.360	128	146469	18.773	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	60310	20.817	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032109.D
Acq On : 22 Aug 2025 14:22
Operator : SY/MD
Sample : VW0822SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

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Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 25 03:52:19 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

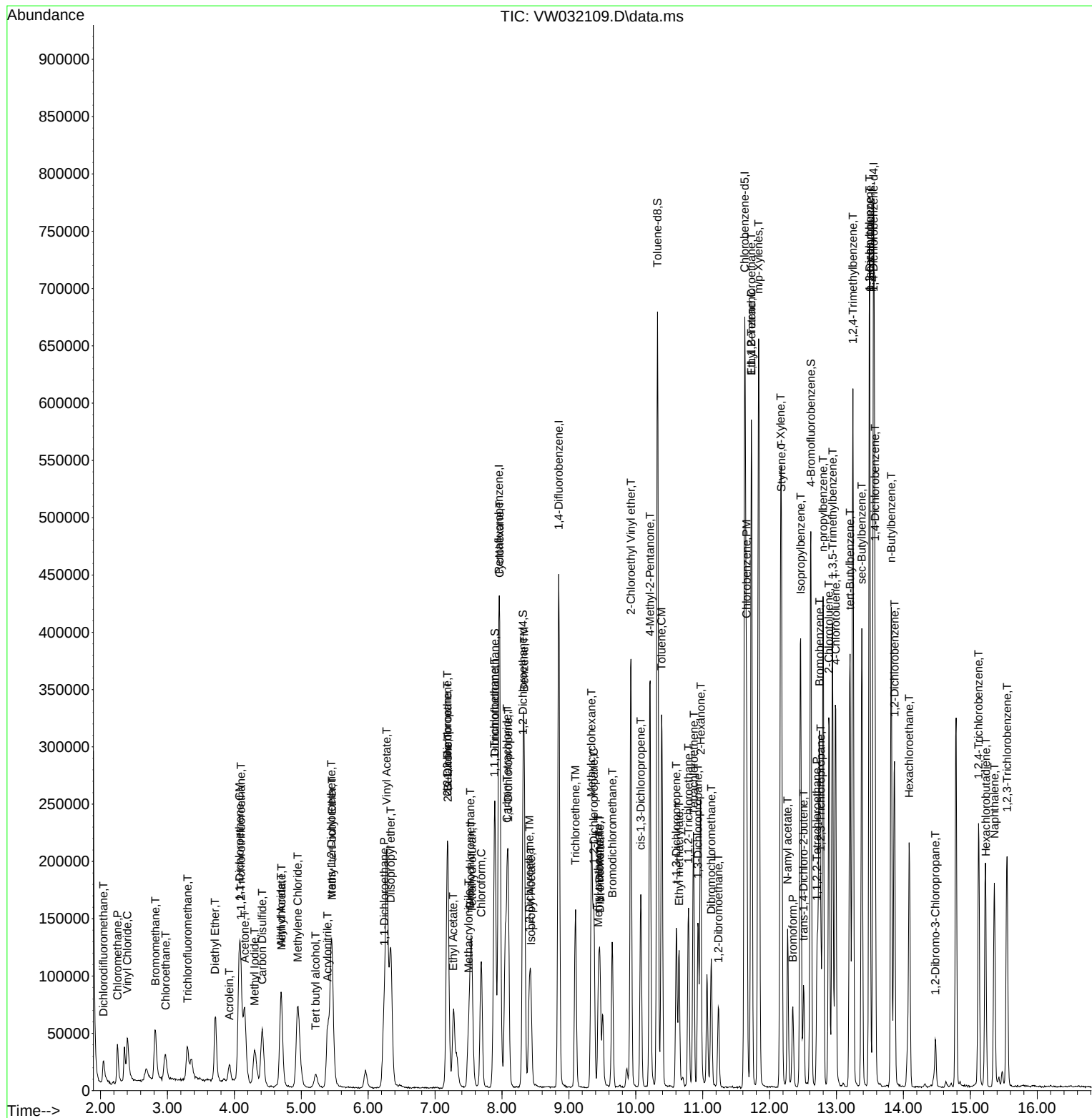
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	VW0822SBSD01	SDG No.:	Q2928
Lab Sample ID:	VW0822SBSD01	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
VW032110.D	1	08/22/25 14:44	VW082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.9		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.7		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	23.0		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.3		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	16.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.2		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.8		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	17.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	17.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	98.5		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.3		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	18.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.5		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	21.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	22.1		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	21.8		0.78	5.00	ug/Kg

Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	VW0822SBSD01	SDG No.:	Q2928
Lab Sample ID:	VW0822SBSD01	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
VW032110.D	1	08/22/25 14:44	VW082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.0		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	23.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	22.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	23.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.0		0.82	5.00	ug/Kg
100-42-5	Styrene	20.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	22.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.4		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.6		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.1		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.4		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.2		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.3		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.5		63 - 155	95%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		70 - 134	108%	SPK: 50
2037-26-5	Toluene-d8	52.0		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	7.965			
540-36-3	1,4-Difluorobenzene	349000	8.849			
3114-55-4	Chlorobenzene-d5	335000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	181000	13.556			



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

Report of Analysis

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Project:	Residential Soil Testing		Date Received:	
Client Sample ID:	VW0822SBSD01		SDG No.:	Q2928
Lab Sample ID:	VW0822SBSD01		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
VW032110.D	1	08/22/25 14:44	VW082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VW082225\
 Data File : VW032110.D
 Acq On : 22 Aug 2025 14:44
 Operator : SY/MD
 Sample : VW0822SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
 Supervised By :Mahesh Dadoda 08/25/2025

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 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	208637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	348689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	334530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	180581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143367	47.512	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	95.020%		
35) Dibromofluoromethane	7.898	113	121253	53.826	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	107.660%		
50) Toluene-d8	10.325	98	433575	52.038	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	104.080%		
62) 4-Bromofluorobenzene	12.617	95	158110	51.494	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	102.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	33257	22.287	ug/l	94
3) Chloromethane	2.253	50	38017	18.914	ug/l	98
4) Vinyl Chloride	2.405	62	48311	19.870	ug/l	93
5) Bromomethane	2.820	94	39499	21.654	ug/l	97
6) Chloroethane	2.966	64	32448	20.168	ug/l	97
7) Trichlorofluoromethane	3.295	101	44839	23.021	ug/l	94
8) Diethyl Ether	3.722	74	30944	19.391	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.106	101	46526	20.247	ug/l	97
10) Methyl Iodide	4.314	142	64091	19.671	ug/l	97
11) Tert butyl alcohol	5.222	59	18242	93.361	ug/l #	71
12) 1,1-Dichloroethene	4.076	96	48727	19.258	ug/l	97
13) Acrolein	3.929	56	17552	56.378	ug/l	96
14) Allyl chloride	4.704	41	60358	16.390	ug/l	89
15) Acrylonitrile	5.405	53	69758	91.778	ug/l	99
16) Acetone	4.161	43	74797	107.063	ug/l	93
17) Carbon Disulfide	4.423	76	112411	16.552	ug/l	97
18) Methyl Acetate	4.710	43	41951	18.976	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	81024	18.174	ug/l	100
20) Methylene Chloride	4.954	84	67039	20.754	ug/l	98
21) trans-1,2-Dichloroethene	5.466	96	50701	18.882	ug/l	90
22) Diisopropyl ether	6.344	45	138697	17.866	ug/l	92
23) Vinyl Acetate	6.289	43	474733	93.139	ug/l	96
24) 1,1-Dichloroethane	6.246	63	88440	17.830	ug/l	100
25) 2-Butanone	7.197	43	97822	98.519	ug/l	99
26) 2,2-Dichloropropane	7.185	77	45617	18.332	ug/l	96
27) cis-1,2-Dichloroethene	7.191	96	60474	19.267	ug/l	95
28) Bromochloromethane	7.532	49	42593	18.870	ug/l	91
29) Tetrahydrofuran	7.551	42	60504	92.398	ug/l	97
30) Chloroform	7.697	83	102408	19.475	ug/l	98
31) Cyclohexane	7.971	56	74023	17.214	ug/l	91
32) 1,1,1-Trichloroethane	7.892	97	74890	19.607	ug/l	98
36) 1,1-Dichloropropene	8.093	75	68076	21.437	ug/l	99
37) Ethyl Acetate	7.270	43	40648	21.733	ug/l	98
38) Carbon Tetrachloride	8.087	117	69951	22.825	ug/l	94
39) Methylcyclohexane	9.343	83	78718	20.337	ug/l	99
40) Benzene	8.337	78	207275	20.998	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032110.D
 Acq On : 22 Aug 2025 14:44
 Operator : SY/MD
 Sample : VW0822SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
 Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 25 03:53:19 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)
41) Methacrylonitrile	7.502	41	21356	20.135	ug/l #	92
42) 1,2-Dichloroethane	8.416	62	70448	22.303	ug/l	97
43) Isopropyl Acetate	8.435	43	74687	21.704	ug/l	99
44) Trichloroethene	9.099	130	51860	22.061	ug/l	99
45) 1,2-Dichloropropane	9.374	63	48485	20.331	ug/l	95
46) Dibromomethane	9.465	93	34874	22.658	ug/l	95
47) Bromodichloromethane	9.654	83	78589	22.159	ug/l	99
48) Methyl methacrylate	9.441	41	34069	20.508	ug/l #	90
49) 1,4-Dioxane	9.459	88	8263	415.216	ug/l	93
51) 4-Methyl-2-Pentanone	10.215	43	218018	112.250	ug/l	97
52) Toluene	10.392	92	135391	21.775	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	67158	20.212	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	77280	20.501	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	44957	21.981	ug/l	96
56) Ethyl methacrylate	10.648	69	55577	20.306	ug/l #	92
57) 1,3-Dichloropropane	10.934	76	75986	21.314	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	154282	101.912	ug/l	96
59) 2-Hexanone	10.971	43	154674	114.987	ug/l	94
60) Dibromochloromethane	11.129	129	54957	23.523	ug/l	96
61) 1,2-Dibromoethane	11.239	107	45265	22.774	ug/l	99
64) Tetrachloroethene	10.867	164	44995	23.286	ug/l	94
65) Chlorobenzene	11.660	112	155006	21.288	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.733	131	50613	22.278	ug/l	97
67) Ethyl Benzene	11.733	91	256610	20.805	ug/l	98
68) m/p-Xylenes	11.837	106	197918	41.586	ug/l	100
69) o-Xylene	12.166	106	92378	21.000	ug/l	96
70) Styrene	12.178	104	163009	20.863	ug/l	99
71) Bromoform	12.349	173	29724	22.873	ug/l #	95
73) Isopropylbenzene	12.465	105	233398	18.494	ug/l	99
74) N-amyl acetate	12.269	43	69046	19.070	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	58077	19.382	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	51011m	20.813	ug/l	
77) Bromobenzene	12.745	156	61125	20.279	ug/l	89
78) n-propylbenzene	12.800	91	290994	18.729	ug/l	98
79) 2-Chlorotoluene	12.891	91	173370	18.080	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	204174	19.057	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	16615	17.551	ug/l	94
82) 4-Chlorotoluene	12.989	91	186347	18.291	ug/l	96
83) tert-Butylbenzene	13.202	119	167230	18.807	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	208113	19.081	ug/l	98
85) sec-Butylbenzene	13.379	105	252219	18.761	ug/l	99
86) p-Isopropyltoluene	13.495	119	215907	19.265	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	123252	20.550	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	122074	20.141	ug/l	97
89) n-Butylbenzene	13.818	91	199744	18.345	ug/l	98
90) Hexachloroethane	14.092	117	38361	18.716	ug/l	89
91) 1,2-Dichlorobenzene	13.867	146	110635	20.363	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.482	75	9955	18.688	ug/l	92
93) 1,2,4-Trichlorobenzene	15.129	180	68965	21.219	ug/l	94
94) Hexachlorobutadiene	15.232	225	33652	23.163	ug/l	93
95) Naphthalene	15.360	128	155063	19.471	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	63132	21.349	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032110.D
Acq On : 22 Aug 2025 14:44
Operator : SY/MD
Sample : VW0822SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 25 03:53:19 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

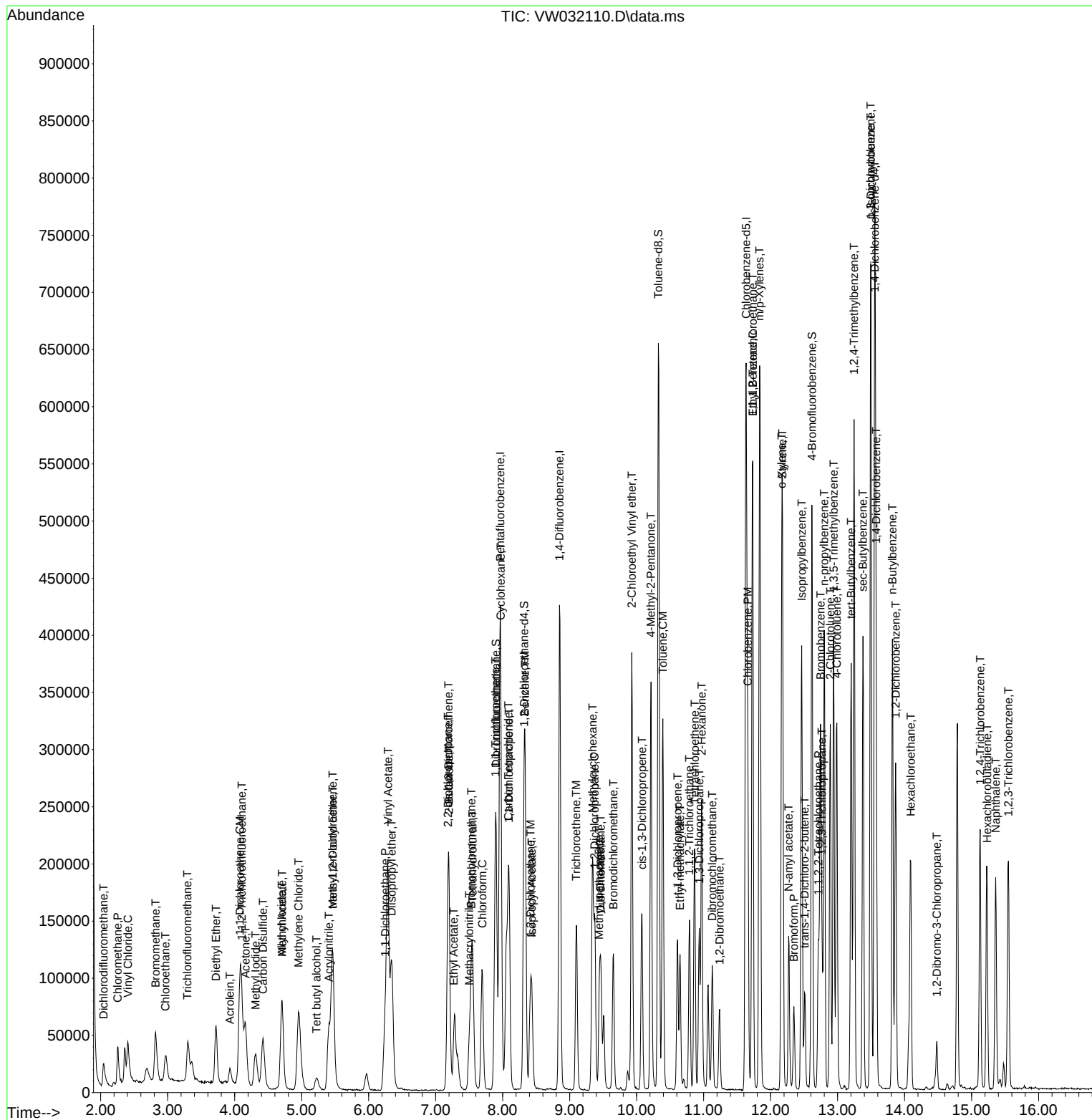
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\  
Data File : VW032110.D  
Acq On    : 22 Aug 2025  14:44  
Operator  : SY/MD  
Sample    : VW0822SBS01  
Misc      : 5.00g/5mL/MSVOA_W/SOIL  
ALS Vial  : 9      Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBSD01

Manual Integrations

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 25 03:53:19 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



Manual Integration Report

Sequence:	vw081125	Instrument	MSVOA_w
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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
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

Manual Integration Report

Sequence:

Vw082225

Instrument

MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032107.D	1,2,3-Trichloropropane	SAM	8/25/2025 3:22:31 PM	MMDadoda	8/25/2025 3:24:04 PM	Peak Integrated by Software
VW0822SBS01	VW032109.D	1,2,3-Trichloropropane	SAM	8/25/2025 3:22:35 PM	MMDadoda	8/25/2025 3:24:05 PM	Peak Integrated by Software
VW0822SBSD0 1	VW032110.D	1,2,3-Trichloropropane	SAM	8/25/2025 3:22:36 PM	MMDadoda	8/25/2025 3:24:07 PM	Peak Integrated by Software
VSTDCCC050	VW032125.D	1,2,3-Trichloropropane	SAM	8/25/2025 3:22:43 PM	MMDadoda	8/25/2025 3:24:14 PM	Peak Integrated by Software

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QC Batch ID # VW081125

Review By	Maresh 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	VSTDIC005	VW032052.D	11 Aug 2025 08:25	SY/MD	Ok,M
3	VSTDIC010	VW032053.D	11 Aug 2025 09:09	SY/MD	Ok,M
4	VSTDIC020	VW032054.D	11 Aug 2025 09:47	SY/MD	Ok,M
5	VSTDIC050	VW032055.D	11 Aug 2025 10:09	SY/MD	Ok,M
6	VSTDIC100	VW032056.D	11 Aug 2025 10:46	SY/MD	Ok,M
7	VSTDIC150	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

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

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QCBatch ID # VW082225

Review By	Semsettin Yesilyurt	Review On	8/25/2025 3:22:44 PM		
Supervise By	Maresh Dadoda	Supervise On	8/25/2025 7:24:10 PM		
SubDirectory	VW082225	HP Acquire Method	MSVOA_W	HP Processing Method	82w081125s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135242			
CCC		VP135244,VP135245, LOD VP135247,VP135248,LOQ VP135250			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032106.D	22 Aug 2025 10:45	SY/MD	Ok
2	VSTDCCC050	VW032107.D	22 Aug 2025 12:12	SY/MD	Ok,M
3	VW0822SBL01	VW032108.D	22 Aug 2025 13:35	SY/MD	Ok
4	VW0822SBS01	VW032109.D	22 Aug 2025 14:22	SY/MD	Ok,M
5	VW0822SBSD01	VW032110.D	22 Aug 2025 14:44	SY/MD	Ok,M
6	Q2893-01	VW032111.D	22 Aug 2025 15:24	SY/MD	ReRun
7	Q2893-01	VW032112.D	22 Aug 2025 15:45	SY/MD	ReRun
8	Q2893-02	VW032113.D	22 Aug 2025 16:07	SY/MD	Ok,M
9	Q2933-01	VW032114.D	22 Aug 2025 16:29	SY/MD	Ok
10	Q2933-03	VW032115.D	22 Aug 2025 16:50	SY/MD	Ok
11	Q2932-01	VW032116.D	22 Aug 2025 17:12	SY/MD	Ok
12	Q2932-03	VW032117.D	22 Aug 2025 17:34	SY/MD	Ok
13	Q2926-01	VW032118.D	22 Aug 2025 17:56	SY/MD	Ok
14	Q2947-01	VW032119.D	22 Aug 2025 18:18	SY/MD	Ok
15	Q2947-03	VW032120.D	22 Aug 2025 18:40	SY/MD	Ok
16	Q2941-01	VW032121.D	22 Aug 2025 19:02	SY/MD	Ok
17	Q2949-01	VW032122.D	22 Aug 2025 19:24	SY/MD	Ok
18	Q2928-02	VW032123.D	22 Aug 2025 19:46	SY/MD	Ok
19	VIBLK	VW032124.D	22 Aug 2025 20:08	SY/MD	Ok
20	VSTDCCC050	VW032125.D	22 Aug 2025 20:30	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW082225

Review By	Semsettin Yesilyurt	Review On	8/25/2025 3:22:44 PM
Supervise By	Maresh Dadoda	Supervise On	8/25/2025 7:24:10 PM
SubDirectory	VW082225	HP Acquire Method	MSVOA_W HP Processing Method 82w081125s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP135242
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135244, VP135245, LOD VP135247, VP135248, LOQ VP135250 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032106.D	22 Aug 2025 10:45		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032107.D	22 Aug 2025 12:12		SY/MD	Ok,M
3	VW0822SBL01	VW0822SBL01	VW032108.D	22 Aug 2025 13:35		SY/MD	Ok
4	VW0822SBS01	VW0822SBS01	VW032109.D	22 Aug 2025 14:22		SY/MD	Ok,M
5	VW0822SBSD01	VW0822SBSD01	VW032110.D	22 Aug 2025 14:44		SY/MD	Ok,M
6	Q2893-01	LOD-MDL-SOIL-01-QT	VW032111.D	22 Aug 2025 15:24	U Flag for com.#13	SY/MD	ReRun
7	Q2893-01	LOD-MDL-SOIL-01-QT	VW032112.D	22 Aug 2025 15:45	U Flag for com.#13	SY/MD	ReRun
8	Q2893-02	LOQ-SOIL-02-QT3-202	VW032113.D	22 Aug 2025 16:07		SY/MD	Ok,M
9	Q2933-01	25-SEPTIC	VW032114.D	22 Aug 2025 16:29	vial-A	SY/MD	Ok
10	Q2933-03	29-SEPTIC	VW032115.D	22 Aug 2025 16:50	vial-A	SY/MD	Ok
11	Q2932-01	ARS20-0009	VW032116.D	22 Aug 2025 17:12	vial-A	SY/MD	Ok
12	Q2932-03	ARS20-0002-SOIL	VW032117.D	22 Aug 2025 17:34	vial-A	SY/MD	Ok
13	Q2926-01	TR-04-08212025	VW032118.D	22 Aug 2025 17:56	vial-A Internal Standard Fail	SY/MD	Ok
14	Q2947-01	291	VW032119.D	22 Aug 2025 18:18	vial-A	SY/MD	Ok
15	Q2947-03	235	VW032120.D	22 Aug 2025 18:40	vial-A	SY/MD	Ok
16	Q2941-01	SOIL-COMP(1-2)	VW032121.D	22 Aug 2025 19:02	vial-A	SY/MD	Ok
17	Q2949-01	367	VW032122.D	22 Aug 2025 19:24	vial-A	SY/MD	Ok
18	Q2928-02	27-BELL	VW032123.D	22 Aug 2025 19:46	vial-A	SY/MD	Ok

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW082225

Review By	Semsettin Yesilyurt	Review On	8/25/2025 3:22:44 PM
Supervise By	Maresh Dadoda	Supervise On	8/25/2025 7:24:10 PM
SubDirectory	VW082225	HP Acquire Method	MSVOA_W HP Processing Method 82w081125s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP135242
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135244,VP135245, LOD VP135247,VP135248,LOQ VP135250 VP133934

19	VIBLK	VIBLK	VW032124.D	22 Aug 2025 20:08		SY/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VW032125.D	22 Aug 2025 20:30		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:00
In Date: 08/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 08/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136920

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
Q2926-01	TR-04-08212025	1	1.18	10.40	11.58	10.6	90.6	
Q2926-02	TR-04-08212025	2	1.16	11.03	12.19	11.11	90.2	
Q2928-01	27-BELL	3	1.17	10.46	11.63	10.09	85.3	
Q2928-02	27-BELL	4	1.19	10.25	11.44	9.72	83.2	
Q2938-01	LF1-GM	5	1.00	1.00	2.00	2.00	100.0	
Q2938-02	LF1-G	6	1.00	1.00	2.00	2.00	100.0	
Q2939-05	SVOC-GPC-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q2939-06	PEST-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q2939-07	PEST-GPC-BLANK-SPIKE	9	1.00	1.00	2.00	2.00	100.0	
Q2939-08	SVOC-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q2939-09	PEST-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2939-10	PEST -GPC2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2941-01	SOIL-COMP (1-2)	13	1.14	10.84	11.98	9.96	81.4	
Q2945-01	34866	14	1.19	10.08	11.27	10.84	95.7	
Q2946-01	820	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2946-02	821	16	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2947-01	291	17	1.12	10.63	11.75	11.33	96.0	
Q2947-02	291-E2	18	1.14	10.03	11.17	10.7	95.3	
Q2947-03	235	19	1.19	10.43	11.62	11.41	98.0	
Q2947-04	235-E2	20	1.16	10.49	11.65	11.44	98.0	
Q2948-01	KZZ054X-1-1	21	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-02	KZZ054X-1-2	22	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-03	JEH590U-1-1	23	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-04	JEH590U-1-2	24	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-05	JEH590U-2-1	25	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-06	JEH590U-2-2	26	1.00	1.00	2.00	2.00	100.0	PILC
Q2949-01	367	27	1.15	10.38	11.53	11.46	99.3	
Q2949-02	367-E2	28	1.14	11.00	12.14	11.84	97.3	

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

WORKLIST(Hardcopy Internal Chain)

136920

WorkList Name : %1-082225 WorkList ID : 191408 Department : Wet-Chemistry Date : 08-22-2025 08:05:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2926-01	TR-04-08212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/21/2025	Chemtech -SO
Q2926-02	TR-04-08212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/21/2025	Chemtech -SO
Q2928-01	27-BELL	Solid	Percent Solids	Cool 4 deg C	HERO01	D31	08/21/2025	Chemtech -SO
Q2928-02	27-BELL	Solid	Percent Solids	Cool 4 deg C	HERO01	D31	08/21/2025	Chemtech -SO
Q2938-01	LF1-GM	Solid	Percent Solids	Cool 4 deg C	ENTA08	A23	08/21/2025	Chemtech -SO
Q2938-02	LF1-G	Solid	Percent Solids	Cool 4 deg C	ENTA08	A23	08/21/2025	Chemtech -SO
Q2939-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2941-01	SOIL-COMP(1-2)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/22/2025	Chemtech -SO
Q2945-01	34866	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2946-01	820	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2946-02	821	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-01	291	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-02	291-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-03	235	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-04	235-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-01	KZZ054X-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO

Date/Time 08/22/25 15:00 Date/Time 08/22/25 17:15
 Raw Sample Received by: JS (Ext-66) Raw Sample Received by: JS (Ext-66)
 Raw Sample Relinquished by: JS (Ext-66) Raw Sample Relinquished by: JS (Ext-66)

WORKLIST(Hardcopy Internal Chain)

136920

WorkList Name : %1-082225 WorkList ID : 191408 Department : Wet-Chemistry Date : 08-22-2025 08:05:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2948-02	KZZ054X-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-03	JEH590U-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-04	JEH590U-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-05	JEH590U-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-06	JEH590U-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2949-01	367	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2949-02	367-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO

Date/Time 08/22/25 13:00

Raw Sample Received by: RB WCY

Raw Sample Relinquished by: RB (Ext-66)

Date/Time 08/22/25 17:15

Raw Sample Received by: RB (Ext-66)

Raw Sample Relinquished by: RB WCY



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Hero Construction

ADDRESS: 27 Bell street

CITY Orange STATE: NJ ZIP:

ATTENTION: Khadija Smith

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Residential soil testing

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY LA STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*

HARDCOPY (DATA PACKAGE) 5-DAY TAT 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) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1: Cyanide 2: EPA-F2 3: Pesticide-TCL 4: 5: VOC-TCL BNA-20 6: VOC-TCL VOA-10

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	27 BELL	SOL	X		8-21-25	1306	4	X	X	X	X							
2.	L	L		X	L	1310	4					X						
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER:	DATE/TIME: 1324	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT	COOLER TEMP: 3.9°C
1. [Signature]	8-21-2025	1. Khadija Smith	Comments: Eg2021 volume of soil used, 5:1 composite	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:		
2. [Signature]		2. [Signature]		
RELINQUISHED BY SAMPLER:	DATE/TIME: 1730	RECEIVED BY:		
3. [Signature]	8-21-2025	3. [Signature]		

CHEMTECH

Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Residential

Soil Testing

Service Order #:

Work Order #:

Labor WBS #:

Facility/Site:

Site Address:

22 Bell Street

Danvers, N.J.

Chemtech Order ID:

Sampler Name: Katherine Cavan

Client Project Coordinator & Phone:

Page #:

1 of 1

Date: 8.21.2025

Arrive Time: 12:40

Depart Time: 1:324

Waste Stream (circle one): drum / roll-off / soil pile / in situ / linear construction / frac-tank

Sample Matrices (circle all that apply): Water / ☒ Solid / NAPL / Concrete / Wipe

Collection Depths:

Temp (range):

°C

PID Readings (range):

Dimensions/CY:

222cy

PPM

Odor: Y / ☒ N

Color: ☒ Y / ☒ N

Sample Description:

Brown soil, rocks.

Field Observations:

sampled, 22 Bell.

Grid/Area Composite Map:

QA Control # A3041134

$$L \times W \times H = 48 \times 23 \times 5 = 6,000 \text{ CF}$$
$$27 = 222 \text{ cy}$$

WATER

L=48"

W=23"

H=5"

Sampler Signature:

8.21.2025

Client Signature:

Michael Smith

Supervisor Review/Date:

Date/Time Arrived at Lab:

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	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2928	HERO01	Order Date : 8/21/2025 12:10:14 PM	Project Mgr :
Client Name : Hero Construction		Project Name : Residential Soil Testing	Report Type : Level 1
Client Contact : Khadija Smith		Receive DateTime : 8/21/2025 12:00:00 AM	EDD Type : EQUIS
Invoice Name : Hero Construction		Purchase Order : 5:30 PM	Hard Copy Date :
Invoice Contact : Khadija Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2928-02	27-BELL	Solid	08/21/2025	13:10	VOC-TCLVOA-10		8260D		

5
10 Bus. Days
OK

Encls

Stated m.r. A
Frz # 02

Relinquished By : al
Date / Time : 8/22/25 8:45

Received By : Khadija Smith
Date / Time : 8/22/25 10:30 AM

Storage Area : VOA Refridgerator Room