284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q2758

Project ID : 92 Clifford Street, Newark

Client : Sciacca General Contractors, LLC

Lab Sample Number	Client Sample Number
Q2758-01	WASTE
Q2758-02	WASTE

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: 8/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2758**

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

QA Review Signature: **PRADIP PRAJAPATI** **Date:** **08/07/2025**

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LAB CHRONICLE

OrderID:	Q2758	**OrderDate:**	8/1/2025 4:14:00 PM
Client:	Sciacca General Contractors, LLC	**Project:**	92 Clifford Street, Newark
Contact:	Rosanne Scirica	**Location:**	D21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2758-01	**WASTE**	**SOIL**			**08/01/25**			**08/01/25**
			VOC-TCLVOA-10	8260D			08/04/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2758

Client: Sciacca General Contractors, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								

0

Total Voc :

Total Concentration:

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2758

Client: Sciacca General Contractors, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2758-01	WASTE	1,2-Dichloroethane-d4	50	51.9	104		63	155
		Dibromofluoromethane	50	46.8	94		70	134
		Toluene-d8	50	45.5	91		74	123
		4-Bromofluorobenzene	50	45.0	90		17	146
VW0804SBL01	VW0804SBL01	1,2-Dichloroethane-d4	50	50.6	101		63	155
		Dibromofluoromethane	50	48.1	96		70	134
		Toluene-d8	50	45.3	91		74	123
		4-Bromofluorobenzene	50	41.6	83		17	146
VW0804SBS01	VW0804SBS01	1,2-Dichloroethane-d4	50	52.8	106		63	155
		Dibromofluoromethane	50	55.9	112		70	134
		Toluene-d8	50	55.6	111		74	123
		4-Bromofluorobenzene	50	55.9	112		17	146
VW0804SBSD0	VW0804SBSD01	1,2-Dichloroethane-d4	50	51.4	103		63	155
		Dibromofluoromethane	50	50.9	102		70	134
		Toluene-d8	50	49.5	99		74	123
		4-Bromofluorobenzene	50	48.6	97		17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2758 **Analytical Method:** SW8260D

Client: Sciacca General Contractors, LLC **Datafile :** VW031989.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0804SBS01	Dichlorodifluoromethane	20	17.3	ug/Kg	86			64	136	
	Chloromethane	20	19.6	ug/Kg	98			52	151	
	Vinyl chloride	20	17.7	ug/Kg	89			56	148	
	Bromomethane	20	18.8	ug/Kg	94			58	141	
	Chloroethane	20	19.9	ug/Kg	100			69	130	
	Trichlorofluoromethane	20	15.1	ug/Kg	76			69	134	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99			81	123	
	1,1-Dichloroethene	20	19.0	ug/Kg	95			79	121	
	Acetone	100	120	ug/Kg	120			40	171	
	Carbon disulfide	20	18.6	ug/Kg	93			59	130	
	Methyl tert-butyl Ether	20	19.9	ug/Kg	100			77	129	
	Methyl Acetate	20	19.8	ug/Kg	99			69	149	
	Methylene Chloride	20	16.6	ug/Kg	83			72	131	
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96			80	123	
	1,1-Dichloroethane	20	19.6	ug/Kg	98			82	123	
	Cyclohexane	20	18.0	ug/Kg	90			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	20.1	ug/Kg	101			76	129	
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98			82	123	
	Bromochloromethane	20	19.9	ug/Kg	100			80	127	
	Chloroform	20	20.4	ug/Kg	102			82	125	
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101			80	126	
	Methylcyclohexane	20	18.5	ug/Kg	93			77	123	
	Benzene	20	20.4	ug/Kg	102			84	121	
	1,2-Dichloroethane	20	20.0	ug/Kg	100			81	126	
	Trichloroethene	20	20.4	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	20.2	ug/Kg	101			83	122	
	Bromodichloromethane	20	20.6	ug/Kg	103			82	123	
	4-Methyl-2-Pentanone	100	95.7	ug/Kg	96			70	135	
	Toluene	20	20.2	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			78	124	
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101			81	122	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			82	125	
	2-Hexanone	100	99.1	ug/Kg	99			66	138	
	Dibromochloromethane	20	20.6	ug/Kg	103			79	125	
	1,2-Dibromoethane	20	19.7	ug/Kg	99			80	125	
	Tetrachloroethene	20	20.5	ug/Kg	103			83	125	
	Chlorobenzene	20	19.6	ug/Kg	98			84	122	
	Ethyl Benzene	20	19.3	ug/Kg	97			82	124	
	m/p-Xylenes	40	39.5	ug/Kg	99			83	124	
	o-Xylene	20	19.7	ug/Kg	99			83	123	
	Styrene	20	20.2	ug/Kg	101			82	124	
	Bromoform	20	19.3	ug/Kg	97			75	127	
	Isopropylbenzene	20	18.4	ug/Kg	92			82	124	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/Kg	93			77	127	
	1,3-Dichlorobenzene	20	19.3	ug/Kg	97			83	122	
	1,4-Dichlorobenzene	20	19.4	ug/Kg	97			84	121	
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2758 **Analytical Method:** SW8260D

Client: Sciacca General Contractors, LLC **Datafile :** VW031989.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0804SBS01	1,2-Dibromo-3-Chloropropane	20	17.3	ug/Kg	86			66	134	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			78	127	
	1,2,3-Trichlorobenzene	20	18.9	ug/Kg	95			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2758 **Analytical Method:** SW8260D

Client: Sciacca General Contractors, LLC **Datafile :** VW031990.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0804SBSD01	Dichlorodifluoromethane	20	16.5	ug/Kg	83	4		64	136	20
	Chloromethane	20	18.9	ug/Kg	95	3		52	151	20
	Vinyl chloride	20	17.1	ug/Kg	86	3		56	148	20
	Bromomethane	20	19.1	ug/Kg	96	2		58	141	20
	Chloroethane	20	19.6	ug/Kg	98	2		69	130	20
	Trichlorofluoromethane	20	17.3	ug/Kg	86	12		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	18.9	ug/Kg	95	4		81	123	20
	1,1-Dichloroethene	20	18.3	ug/Kg	92	3		79	121	20
	Acetone	100	120	ug/Kg	120	0		40	171	20
	Carbon disulfide	20	18.0	ug/Kg	90	3		59	130	20
	Methyl tert-butyl Ether	20	20.2	ug/Kg	101	1		77	129	20
	Methyl Acetate	20	20.7	ug/Kg	104	5		69	149	20
	Methylene Chloride	20	16.1	ug/Kg	81	2		72	131	20
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96	0		80	123	20
	1,1-Dichloroethane	20	19.6	ug/Kg	98	0		82	123	20
	Cyclohexane	20	18.3	ug/Kg	92	2		76	122	20
	2-Butanone	100	110	ug/Kg	110	10		69	131	20
	Carbon Tetrachloride	20	18.1	ug/Kg	91	10		76	129	20
	cis-1,2-Dichloroethene	20	19.8	ug/Kg	99	1		82	123	20
	Bromochloromethane	20	19.1	ug/Kg	96	4		80	127	20
	Chloroform	20	20.1	ug/Kg	101	1		82	125	20
	1,1,1-Trichloroethane	20	19.4	ug/Kg	97	4		80	126	20
	Methylcyclohexane	20	17.4	ug/Kg	87	7		77	123	20
	Benzene	20	18.8	ug/Kg	94	8		84	121	20
	1,2-Dichloroethane	20	19.2	ug/Kg	96	4		81	126	20
	Trichloroethene	20	19.3	ug/Kg	97	5		83	122	20
	1,2-Dichloropropane	20	19.3	ug/Kg	97	4		83	122	20
	Bromodichloromethane	20	19.3	ug/Kg	97	6		82	123	20
	4-Methyl-2-Pentanone	100	98.1	ug/Kg	98	2		70	135	20
	Toluene	20	18.7	ug/Kg	94	7		83	122	20
	t-1,3-Dichloropropene	20	18.8	ug/Kg	94	3		78	124	20
	cis-1,3-Dichloropropene	20	19.0	ug/Kg	95	6		81	122	20
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102	0		82	125	20
	2-Hexanone	100	100	ug/Kg	100	1		66	138	20
	Dibromochloromethane	20	18.5	ug/Kg	93	10		79	125	20
	1,2-Dibromoethane	20	19.4	ug/Kg	97	2		80	125	20
	Tetrachloroethene	20	18.7	ug/Kg	94	9		83	125	20
	Chlorobenzene	20	18.9	ug/Kg	95	3		84	122	20
	Ethyl Benzene	20	18.3	ug/Kg	92	5		82	124	20
	m/p-Xylenes	40	38.2	ug/Kg	96	3		83	124	20
	o-Xylene	20	18.6	ug/Kg	93	6		83	123	20
	Styrene	20	19.3	ug/Kg	97	4		82	124	20
	Bromoform	20	19.9	ug/Kg	100	3		75	127	20
	Isopropylbenzene	20	17.9	ug/Kg	90	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.2	ug/Kg	96	3		77	127	20
	1,3-Dichlorobenzene	20	18.2	ug/Kg	91	6		83	122	20
	1,4-Dichlorobenzene	20	19.1	ug/Kg	96	1		84	121	20
	1,2-Dichlorobenzene	20	19.5	ug/Kg	98	1		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2758 **Analytical Method:** SW8260D

Client: Sciacca General Contractors, LLC **Datafile :** VW031990.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0804SBSD01	1,2-Dibromo-3-Chloropropane	20	18.9	ug/Kg	95	10		66	134	20
	1,2,4-Trichlorobenzene	20	18.8	ug/Kg	94	5		78	127	20
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	3		70	137	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW0804SBL01

Lab Name: Alliance Contract: SCIA01

Lab Code: ACE SDG NO.: Q2758

Lab File ID: VW031988.D Lab Sample ID: VW0804SBL01

Date Analyzed: 08/04/2025 Time Analyzed: 09:54

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
VW0804SBS01	VW0804SBS01	VW031989.D	08/04/2025
VW0804SBSD01	VW0804SBSD01	VW031990.D	08/04/2025
WASTE	Q2758-01	VW031998.D	08/04/2025

COMMENTS:

Raw Data: **VW031890.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: SCIA01
Lab Code: ACE
SDG NO.: Q2758
Lab File ID: VW031890.D
BFB Injection Date: 07/22/2025
Instrument ID: MSVOA_W
BFB Injection Time: 08:14
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	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
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	4.8 (7.1) 1
176	95.0 - 101.0% of mass 174	63.8 (95) 1
177	5.0 - 9.0% of mass 176	4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW031891.D	07/22/2025	09:05
VSTDICC010	VSTDICC010	VW031892.D	07/22/2025	09:37
VSTDICC020	VSTDICC020	VW031893.D	07/22/2025	10:17
VSTDICCC050	VSTDICCC050	VW031894.D	07/22/2025	10:39
VSTDICC100	VSTDICC100	VW031895.D	07/22/2025	11:18
VSTDICC150	VSTDICC150	VW031896.D	07/22/2025	12:00

Raw Data: **VW031986.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: SCIA01
Lab Code: ACE
SDG NO.: Q2758
Lab File ID: VW031986.D
BFB Injection Date: 08/04/2025
Instrument ID: MSVOA_W
BFB Injection Time: 07:47
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
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	66.6 (99) 1
177	5.0 - 9.0% of mass 176	4 (6) 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	VW031987.D	08/04/2025	09:24
VW0804SBL01	VW0804SBL01	VW031988.D	08/04/2025	09:54
VW0804SBS01	VW0804SBS01	VW031989.D	08/04/2025	10:20
VW0804SBSD01	VW0804SBSD01	VW031990.D	08/04/2025	10:42
WASTE	Q2758-01	VW031998.D	08/04/2025	13:56

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: SCIA01

Lab Code: ACE SDG NO.: Q2758

Lab File ID: VW031987.D Date Analyzed: 08/04/2025

Instrument ID: MSVOA_W Time Analyzed: 09:24

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	244933	7.96	432425	8.85	389959	11.63
UPPER LIMIT	489866	8.459	864850	9.349	779918	12.129
LOWER LIMIT	122467	7.459	216213	8.349	194980	11.129
EPA SAMPLE NO.						
WASTE	181912	7.97	397326	8.86	370242	11.63
VW0804SBL01	168222	7.95	365101	8.85	334575	11.63
VW0804SBS01	212167	7.96	385271	8.85	349774	11.63
VW0804SBSD01	219677	7.96	423534	8.86	380864	11.63

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: SCIA01

Lab Code: ACE SDG NO.: Q2758

Lab File ID: VW031987.D Date Analyzed: 08/04/2025

Instrument ID: MSVOA_W Time Analyzed: 09:24

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

	IS4 AREA #	RT #				
12 HOUR STD	173087	13.556				
UPPER LIMIT	346174	14.056				
LOWER LIMIT	86543.5	13.056				
EPA SAMPLE NO.						
WASTE	168478	13.56				
VW0804SBL01	154504	13.56				
VW0804SBS01	170576	13.56				
VW0804SBSD01	179411	13.55				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VW031998.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	92 Clifford Street, Newark	Date Received:	08/01/25
Client Sample ID:	WASTE	SDG No.:	Q2758
Lab Sample ID:	Q2758-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.9
Sample Wt/Vol:	5.12 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
VW031998.D	1	08/04/25 13:56	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.30	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.30	ug/Kg
75-01-4	Vinyl Chloride	0.83	U	0.83	5.30	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.30	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.30	ug/Kg
67-64-1	Acetone	5.00	U	5.00	26.3	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.77	U	0.77	5.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.30	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.90	U	0.90	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.84	U	0.84	5.30	ug/Kg
110-82-7	Cyclohexane	0.83	U	0.83	5.30	ug/Kg
78-93-3	2-Butanone	6.90	U	6.90	26.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.79	U	0.79	5.30	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.30	ug/Kg
67-66-3	Chloroform	0.88	U	0.88	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.98	U	0.98	5.30	ug/Kg
108-87-2	Methylcyclohexane	0.96	U	0.96	5.30	ug/Kg
71-43-2	Benzene	0.83	U	0.83	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.83	U	0.83	5.30	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.96	U	0.96	5.30	ug/Kg
75-27-4	Bromodichloromethane	0.82	U	0.82	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.3	ug/Kg
108-88-3	Toluene	0.82	U	0.82	5.30	ug/Kg

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Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	92 Clifford Street, Newark	Date Received:	08/01/25
Client Sample ID:	WASTE	SDG No.:	Q2758
Lab Sample ID:	Q2758-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.9
Sample Wt/Vol:	5.12 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
VW031998.D	1	08/04/25 13:56	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.68	U	0.68	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.65	U	0.65	5.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.97	U	0.97	5.30	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	26.3	ug/Kg
124-48-1	Dibromochloromethane	0.91	U	0.91	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.93	U	0.93	5.30	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.30	ug/Kg
108-90-7	Chlorobenzene	0.96	U	0.96	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.70	U	0.70	5.30	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.5	ug/Kg
95-47-6	o-Xylene	0.86	U	0.86	5.30	ug/Kg
100-42-5	Styrene	0.75	U	0.75	5.30	ug/Kg
75-25-2	Bromoform	0.90	U	0.90	5.30	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	0.82	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	3.10	5.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.30	U	3.30	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		70 - 134	94%	SPK: 50
2037-26-5	Toluene-d8	45.5		74 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		17 - 146	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	182000	7.965			
540-36-3	1,4-Difluorobenzene	397000	8.856			
3114-55-4	Chlorobenzene-d5	370000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	168000	13.556			

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Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	92 Clifford Street, Newark	Date Received:	08/01/25
Client Sample ID:	WASTE	SDG No.:	Q2758
Lab Sample ID:	Q2758-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.9
Sample Wt/Vol:	5.12 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
VW031998.D	1	08/04/25 13:56	VW080425

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\VW080425\
Data File : VW031998.D
Acq On : 04 Aug 2025 13:56
Operator : SY/MD
Sample : Q2758-01
Misc : 5.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WASTE

Quant Time: Aug 05 01:19:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	181912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	397326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	370242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	142726	51.865	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 103.740%			
35) Dibromofluoromethane	7.898	113	126414	46.822	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 93.640%			
50) Toluene-d8	10.325	98	464468	45.455	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 90.900%			
62) 4-Bromofluorobenzene	12.617	95	176776	45.055	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 90.100%			

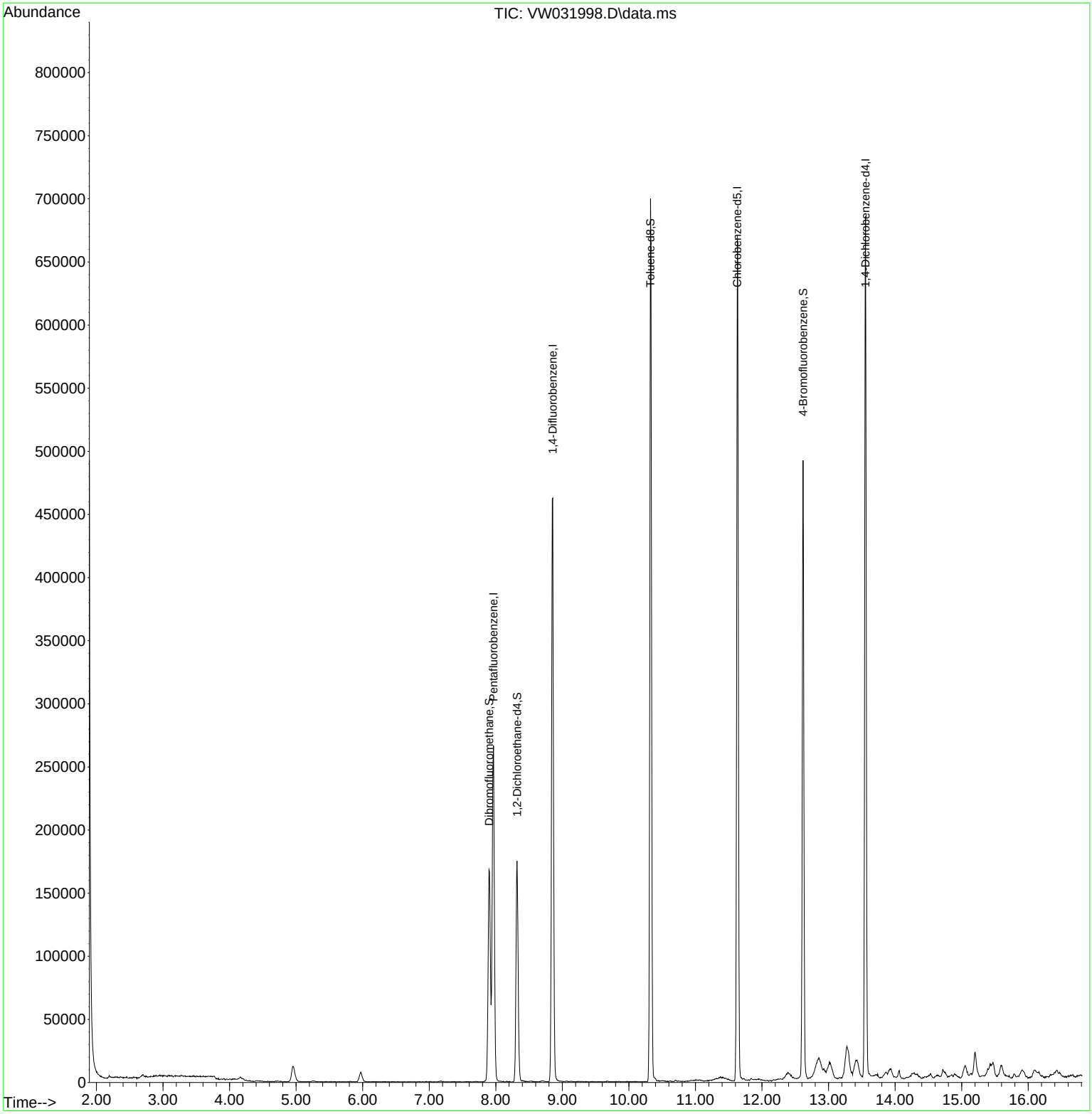
Target Compounds Qvalue

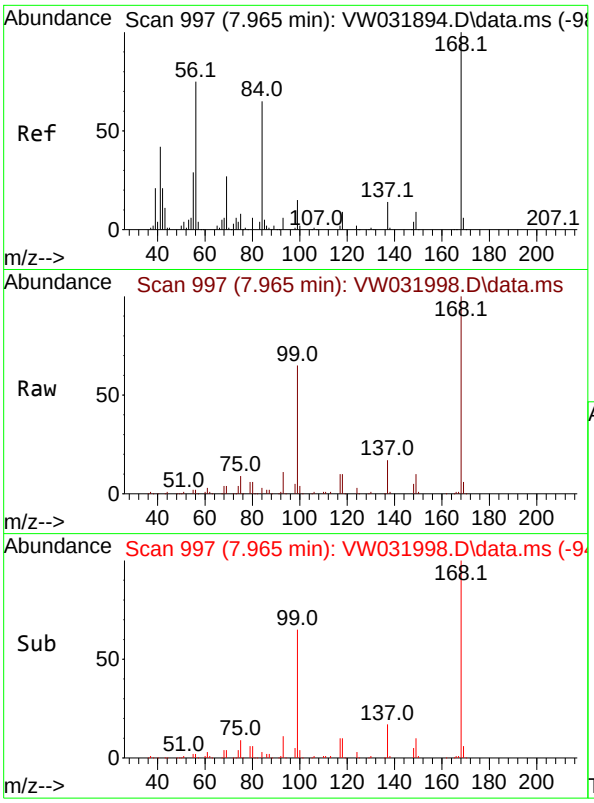
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031998.D
Acq On : 04 Aug 2025 13:56
Operator : SY/MD
Sample : Q2758-01
Misc : 5.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WASTE

Quant Time: Aug 05 01:19:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



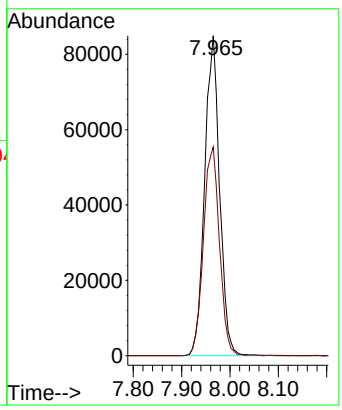


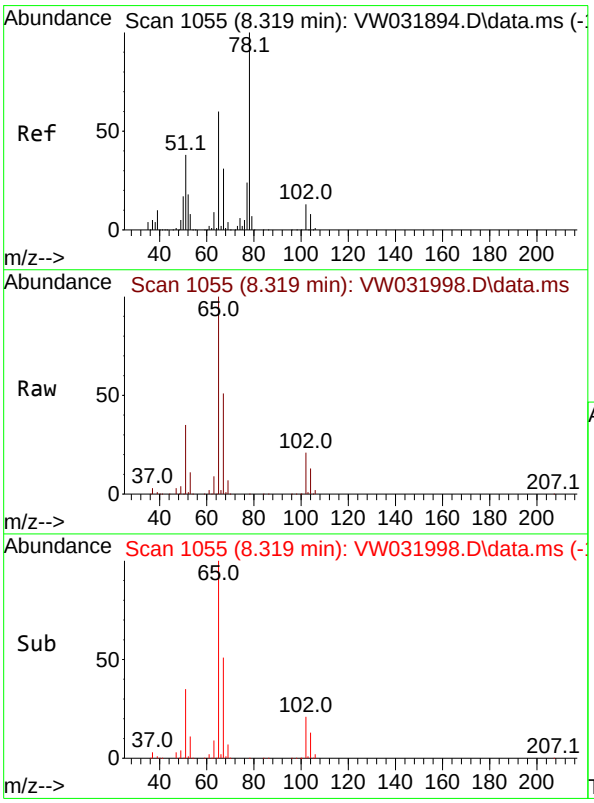
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Instrument :
MSVOA_W
ClientSampleId :
WASTE

Tgt Ion:168 Resp: 181912

Ion	Ratio	Lower	Upper
168	100		
99	65.3	48.2	72.2

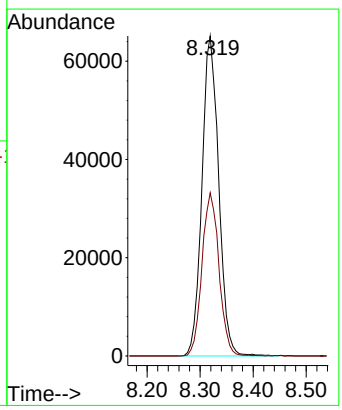


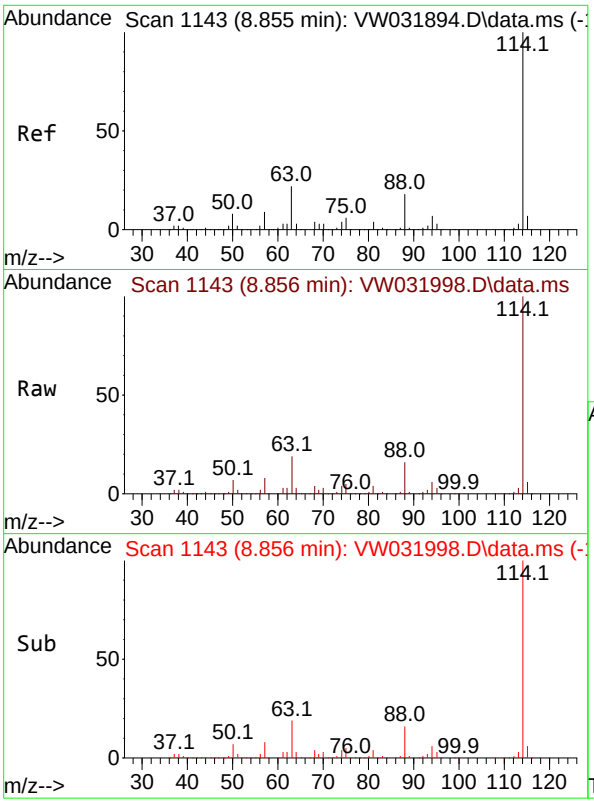


#33
1,2-Dichloroethane-d4
Concen: 51.865 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion: 65 Resp: 142726

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	101.4



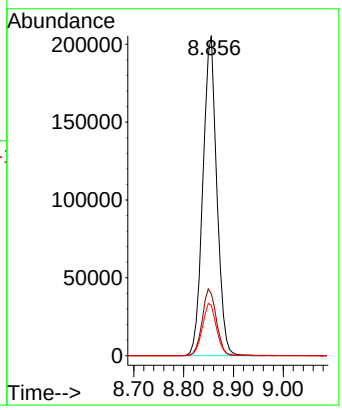


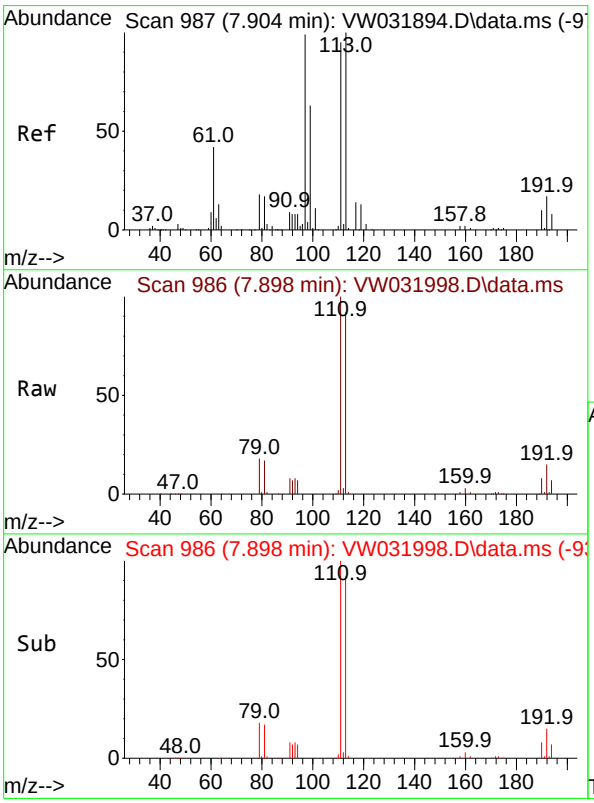
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Instrument :
MSVOA_W
ClientSampleId :
WASTE

Tgt Ion:114 Resp: 397326

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	44.2
88	15.8	0.0	35.6

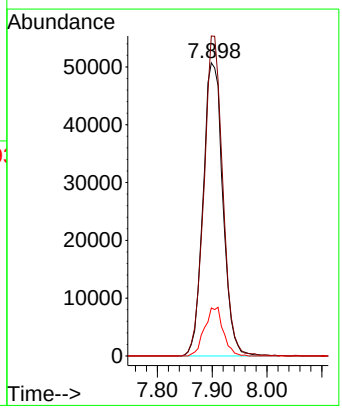


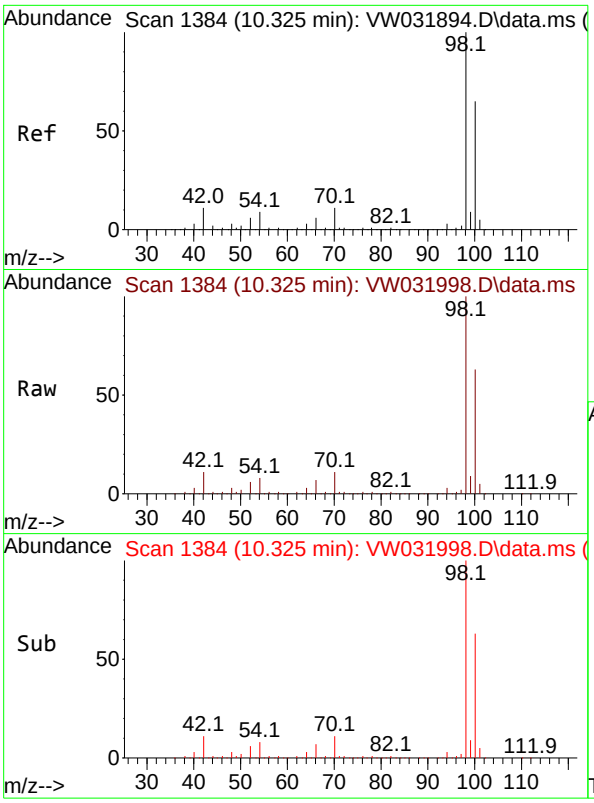


#35
Dibromofluoromethane
Concen: 46.822 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion:113 Resp: 126414

Ion	Ratio	Lower	Upper
113	100		
111	104.1	79.9	119.9
192	15.7	12.6	19.0



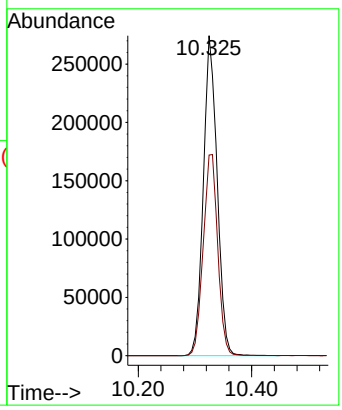


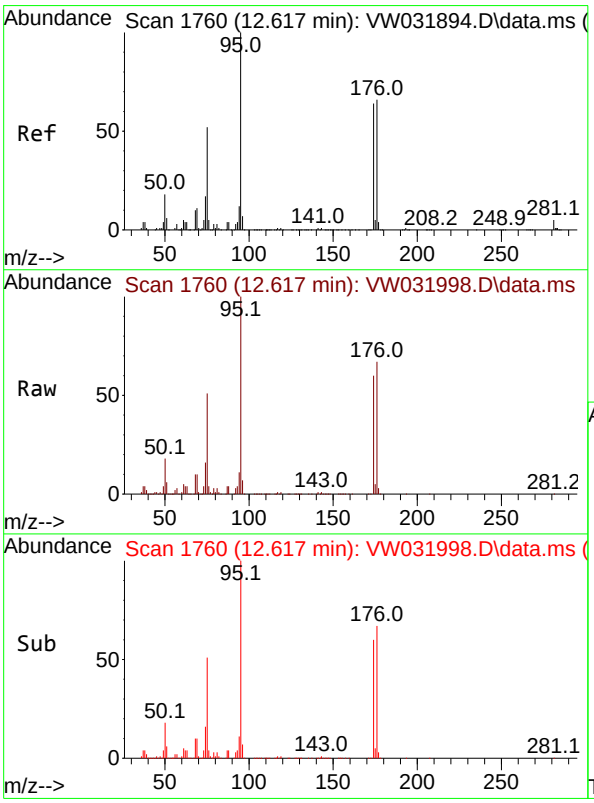
#50
Toluene-d8
Concen: 45.455 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Instrument :
MSVOA_W
ClientSampleId :
WASTE

Tgt Ion: 98 Resp: 464468

Ion	Ratio	Lower	Upper
98	100		
100	66.1	51.7	77.5

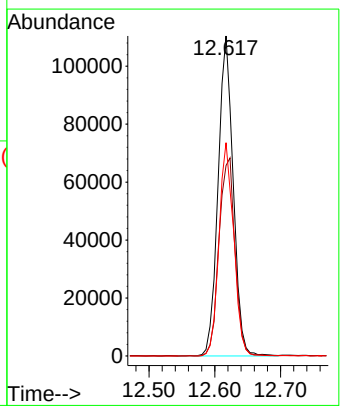


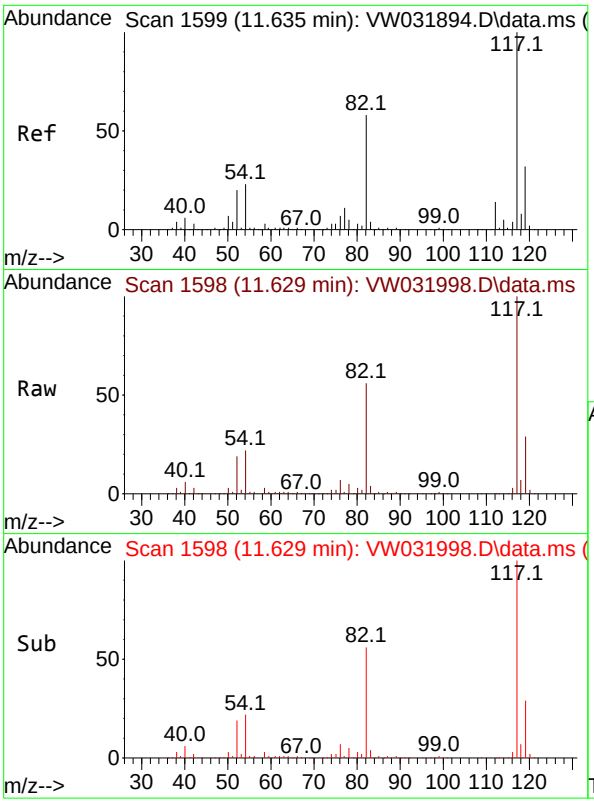


#62
4-Bromofluorobenzene
Concen: 45.055 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion: 95 Resp: 176776

Ion	Ratio	Lower	Upper
95	100		
174	65.6	0.0	129.8
176	64.8	0.0	130.4



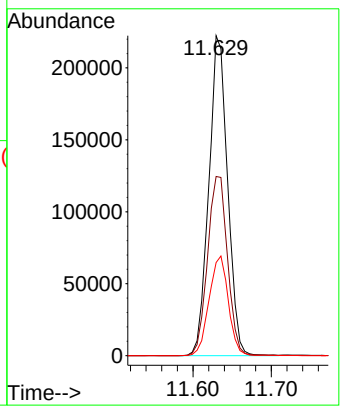


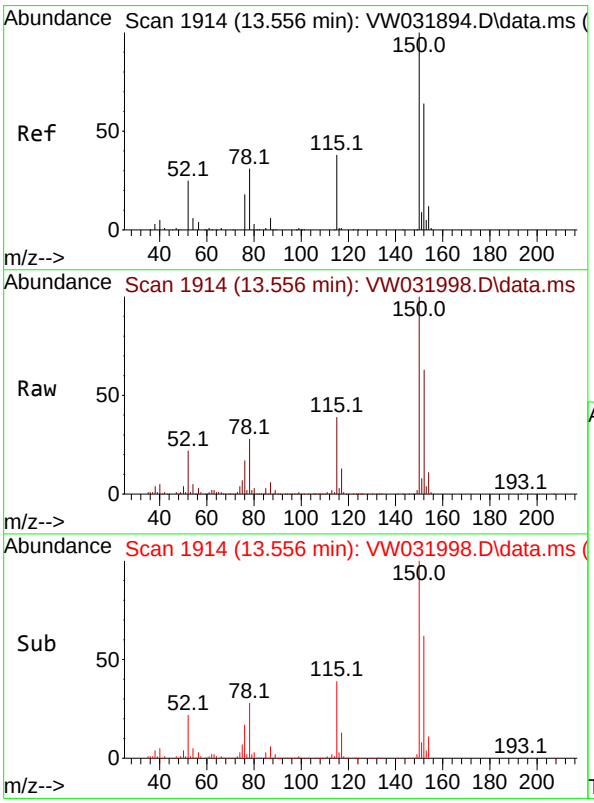
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Instrument :
MSVOA_W
ClientSampleId :
WASTE

Tgt Ion:117 Resp: 370242

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.5	69.7
119	29.1	25.8	38.6

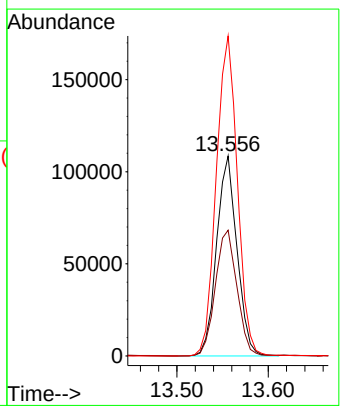




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion:152 Resp: 168478

Ion	Ratio	Lower	Upper
152	100		
115	66.6	33.4	100.1
150	165.8	0.0	352.2



Sample Results: **VW031998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031998.D
Acq On : 04 Aug 2025 13:56
Operator : SY/MD
Sample : Q2758-01
Misc : 5.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WASTE

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\82W072225S.M
Title : SW846 8260

Signal : TIC: VW031998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.948	491	502	518	rBV2	12287	44813	3.64%	0.628%
2	5.972	659	670	679	rBV5	7723	23047	1.87%	0.323%
3	7.898	976	986	991	rBV2	167289	402501	32.72%	5.638%
4	7.965	991	997	1010	rVB	265743	601750	48.92%	8.429%
5	8.319	1046	1055	1066	rBV	174899	387710	31.52%	5.431%
6	8.856	1133	1143	1156	rBV	462167	937218	76.19%	13.128%
7	10.325	1376	1384	1395	rBV	699434	1230145	100.00%	17.231%
8	11.629	1590	1598	1607	rBV	669221	1159602	94.27%	16.243%
9	12.617	1749	1760	1772	rVB2	489947	810000	65.85%	11.346%
10	12.855	1782	1799	1809	rBV7	14959	84059	6.83%	1.177%
11	13.013	1817	1825	1826	rBV6	8310	15675	1.27%	0.220%
12	13.275	1855	1868	1879	rBV6	25329	109371	8.89%	1.532%
13	13.410	1882	1890	1891	rBV6	11539	24529	1.99%	0.344%
14	13.556	1907	1914	1922	rBV	681611	1113482	90.52%	15.597%
15	13.861	1955	1964	1968	rBV	4200	12561	1.02%	0.176%
16	13.940	1968	1977	1984	rVB8	6607	23396	1.90%	0.328%
17	15.050	2149	2159	2169	rBV4	9762	36673	2.98%	0.514%
18	15.202	2176	2184	2196	rVB3	19388	54479	4.43%	0.763%
19	15.592	2239	2248	2258	rBV6	8774	28443	2.31%	0.398%
20	15.909	2292	2300	2310	rVB6	5565	20906	1.70%	0.293%
21	16.098	2324	2331	2336	rBV7	5658	18760	1.53%	0.263%

Sum of corrected areas: 7139120

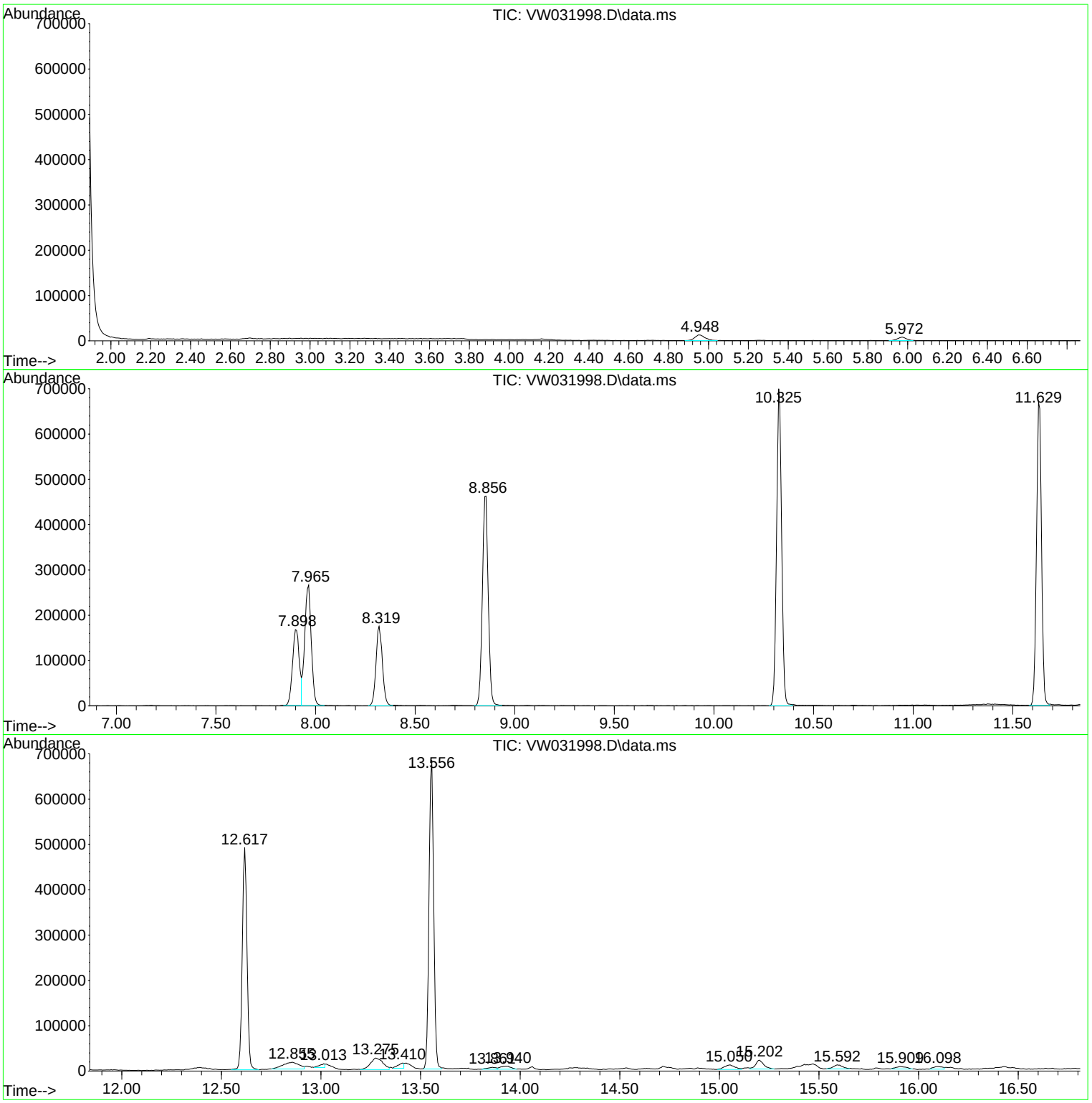
Sample Results: **VW031998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031998.D
Acq On : 04 Aug 2025 13:56
Operator : SY/MD
Sample : Q2758-01
Misc : 5.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WASTE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031998.D
Acq On : 04 Aug 2025 13:56
Operator : SY/MD
Sample : Q2758-01
Misc : 5.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WASTE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Sample Results: **VW031998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031998.D
Acq On : 04 Aug 2025 13:56
Operator : SY/MD
Sample : Q2758-01
Misc : 5.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WASTE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: SCIA01

Lab Code: ACE SDG No.: Q2758

Instrument ID: MSVOA_W Calibration Date(s): 07/22/2025 07/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:05 12:00

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

LAB FILE ID: RRF005 = VW031891.D RRF010 = VW031892.D RRF020 = VW031893.D
RRF050 = VW031894.D RRF100 = VW031895.D RRF150 = VW031896.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.427	0.364	0.355	0.358	0.369	0.357	0.372	7.4
Chloromethane	0.533	0.475	0.462	0.434	0.459	0.498	0.477	7.2
Vinyl Chloride	0.635	0.615	0.612	0.615	0.617	0.624	0.620	1.3
Bromomethane	0.500	0.454	0.444	0.434	0.448	0.457	0.456	5
Chloroethane	0.448	0.395	0.394	0.392	0.409	0.414	0.409	5.2
Trichlorofluoromethane	0.670	0.552	0.574	0.679	0.625	0.666	0.628	8.6
1,1,2-Trichlorotrifluoroethane	0.674	0.603	0.582	0.589	0.584	0.590	0.604	5.8
1,1-Dichloroethene	0.714	0.656	0.650	0.645	0.667	0.669	0.667	3.7
Acetone	0.206	0.189	0.186	0.166	0.168	0.163	0.179	9.3
Carbon Disulfide	1.775	1.643	1.708	1.693	1.757	1.798	1.729	3.4
Methyl tert-butyl Ether	1.271	1.110	1.204	1.132	1.153	1.042	1.152	6.9
Methyl Acetate	0.528	0.427	0.529	0.475	0.527	0.481	0.494	8.4
Methylene Chloride	1.615	0.931	0.910	0.756	0.730	0.722	0.944	36.1
trans-1,2-Dichloroethene	0.767	0.679	0.697	0.691	0.699	0.712	0.707	4.4
1,1-Dichloroethane	1.372	1.262	1.274	1.263	1.291	1.296	1.293	3.2
Cyclohexane	1.399	1.176	1.078	1.099	1.100	1.107	1.160	10.5
2-Butanone	0.260	0.231	0.266	0.236	0.254	0.227	0.246	6.7
Carbon Tetrachloride	0.489	0.498	0.502	0.493	0.517	0.506	0.501	2
cis-1,2-Dichloroethene	0.878	0.789	0.821	0.824	0.846	0.831	0.832	3.6
Bromochloromethane	0.585	0.520	0.546	0.526	0.542	0.531	0.541	4.3
Chloroform	1.436	1.336	1.362	1.314	1.348	1.338	1.356	3.1
1,1,1-Trichloroethane	1.114	1.017	1.008	1.010	1.009	1.032	1.032	4
Methylcyclohexane	0.655	0.643	0.637	0.657	0.690	0.659	0.657	2.8
Benzene	1.558	1.540	1.565	1.520	1.569	1.517	1.545	1.5
1,2-Dichloroethane	0.508	0.484	0.516	0.480	0.507	0.471	0.494	3.7
Trichloroethene	0.370	0.372	0.356	0.362	0.375	0.368	0.367	1.8
1,2-Dichloropropane	0.381	0.367	0.376	0.360	0.377	0.370	0.372	2.1
Bromodichloromethane	0.537	0.546	0.561	0.535	0.582	0.557	0.553	3.2
4-Methyl-2-Pentanone	0.293	0.270	0.317	0.295	0.320	0.273	0.295	7.1
Toluene	0.992	0.998	1.003	0.979	0.998	0.986	0.993	0.9

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: SCIA01

Lab Code: ACE SDG No.: Q2758

Instrument ID: MSVOA_W Calibration Date(s): 07/22/2025 07/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:05 12:00

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

LAB FILE ID: RRF005 = VW031891.D RRF010 = VW031892.D RRF020 = VW031893.D
RRF050 = VW031894.D RRF100 = VW031895.D RRF150 = VW031896.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.502	0.496	0.535	0.522	0.575	0.552	0.530	5.7
cis-1,3-Dichloropropene	0.591	0.578	0.601	0.602	0.646	0.617	0.606	3.9
1,1,2-Trichloroethane	0.316	0.297	0.314	0.300	0.317	0.295	0.306	3.3
2-Hexanone	0.205	0.188	0.220	0.206	0.222	0.189	0.205	7.1
Dibromochloromethane	0.349	0.339	0.358	0.351	0.386	0.359	0.357	4.5
1,2-Dibromoethane	0.302	0.291	0.318	0.297	0.318	0.290	0.303	4.2
Tetrachloroethene	0.345	0.334	0.333	0.324	0.319	0.323	0.330	2.9
Chlorobenzene	1.216	1.227	1.257	1.244	1.193	1.205	1.224	2
Ethyl Benzene	2.167	2.107	2.165	2.226	2.099	2.137	2.150	2.2
m/p-Xylenes	0.808	0.801	0.829	0.823	0.794	0.802	0.809	1.7
o-Xylene	0.734	0.742	0.774	0.796	0.769	0.780	0.766	3.1
Styrene	1.277	1.260	1.344	1.361	1.276	1.308	1.304	3.1
Bromoform	0.202	0.182	0.208	0.219	0.223	0.211	0.207	7.1
Isopropylbenzene	4.192	4.207	4.224	4.405	4.614	4.387	4.338	3.8
1,1,2,2-Tetrachloroethane	0.947	0.851	0.964	0.914	0.982	0.868	0.921	5.7
1,3-Dichlorobenzene	2.060	1.901	2.017	1.911	1.977	1.858	1.954	3.9
1,4-Dichlorobenzene	2.044	1.907	1.985	1.824	1.942	1.783	1.914	5.1
1,2-Dichlorobenzene	1.806	1.694	1.765	1.677	1.802	1.646	1.732	3.9
1,2-Dibromo-3-Chloropropane	0.183	0.145	0.169	0.160	0.180	0.160	0.166	8.5
1,2,4-Trichlorobenzene	1.113	0.952	1.036	0.984	1.171	1.010	1.044	7.9
1,2,3-Trichlorobenzene	0.976	0.898	0.907	0.935	1.042	0.920	0.946	5.7
1,2-Dichloroethane-d4	0.899	0.744	0.782	0.709	0.717	0.686	0.756	10.2
Dibromofluoromethane	0.358	0.353	0.346	0.326	0.330	0.324	0.340	4.3
Toluene-d8	1.393	1.309	1.327	1.224	1.259	1.204	1.286	5.5
4-Bromofluorobenzene	0.542	0.515	0.516	0.460	0.476	0.452	0.494	7.2

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

Response Factor Report MSVOA_W

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W072225S.M
Title : SW846 8260
Last Update : Wed Jul 23 08:18:46 2025
Response Via : Initial Calibration

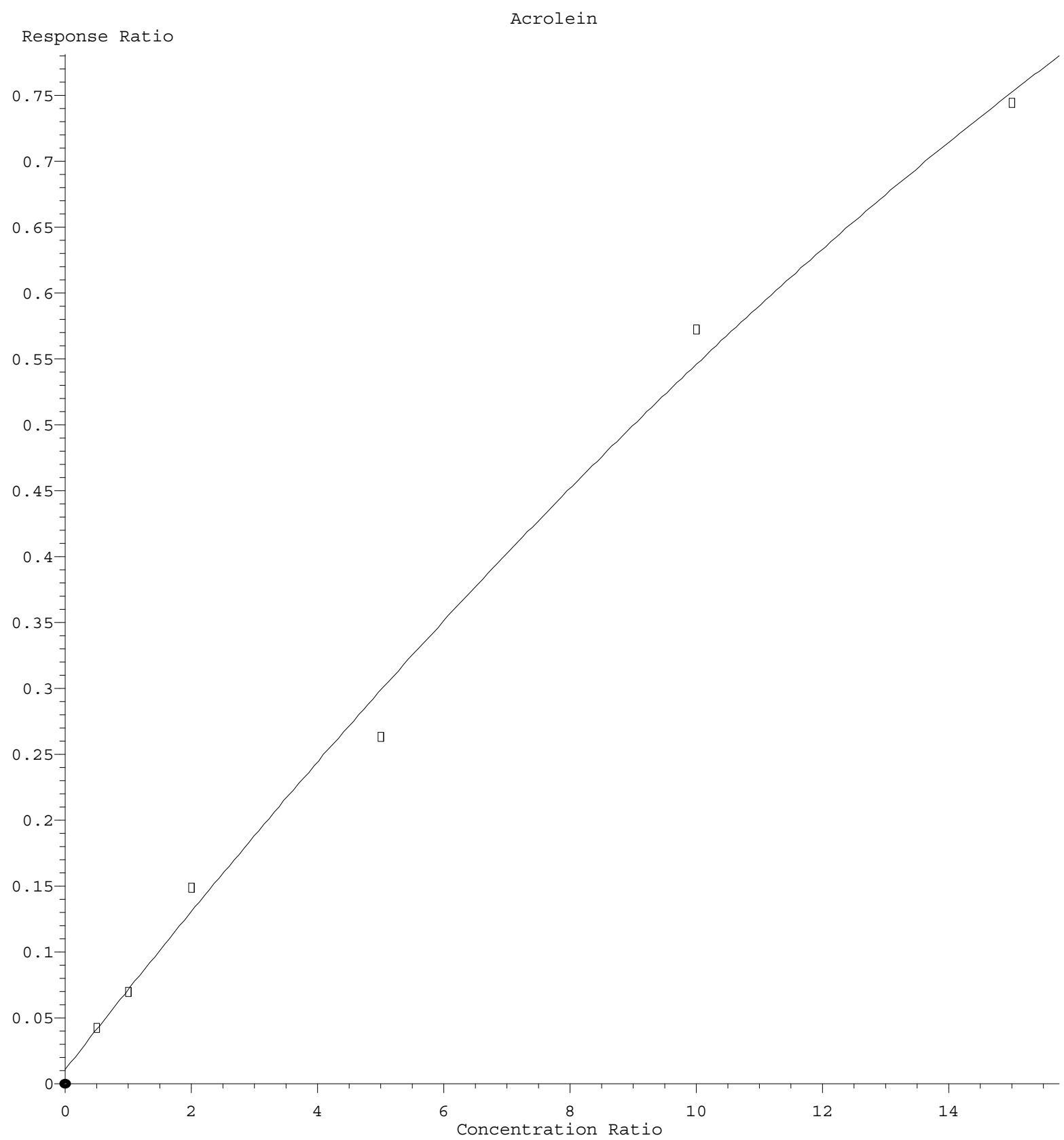
Calibration Files
5 =VW031891.D 10 =VW031892.D 20 =VW031893.D 50 =VW031894.D 100 =VW031895.D 150 =VW031896.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.427	0.364	0.355	0.358	0.369	0.357	0.372	7.40
3)	P	Chloromethane	0.533	0.475	0.462	0.434	0.459	0.498	0.477	7.24
4)	C	Vinyl Chloride	0.635	0.615	0.612	0.615	0.617	0.624	0.620	1.35#
5)	T	Bromomethane	0.500	0.454	0.444	0.434	0.448	0.457	0.456	5.04
6)	T	Chloroethane	0.448	0.395	0.394	0.392	0.409	0.414	0.409	5.19
7)	T	Trichlorofluor...	0.670	0.552	0.574	0.679	0.625	0.666	0.628	8.55
8)	T	Diethyl Ether	0.516	0.383	0.430	0.389	0.401	0.396	0.419	11.97
9)	T	1,1,2-Trichlor...	0.674	0.603	0.582	0.589	0.584	0.590	0.604	5.82
10)	T	Methyl Iodide	0.971	0.881	0.901	0.865	0.896	0.900	0.902	4.03
11)	T	Tert butyl alc...	0.048	0.039	0.047	0.044	0.049	0.041	0.044	8.99
12)	CM	1,1-Dichloroet...	0.714	0.656	0.650	0.645	0.667	0.669	0.667	3.73#
13)	T	Acrolein	0.085	0.070	0.074	0.053	0.057	0.050	0.065	21.29
14)	T	Allyl chloride	1.090	0.989	1.032	1.011	1.041	1.064	1.038	3.52
15)	T	Acrylonitrile	0.203	0.170	0.194	0.182	0.196	0.180	0.187	6.57
16)	T	Acetone	0.206	0.189	0.186	0.166	0.168	0.163	0.179	9.34
17)	T	Carbon Disulfide	1.775	1.643	1.708	1.693	1.757	1.798	1.729	3.36
18)	T	Methyl Acetate	0.528	0.427	0.529	0.475	0.527	0.481	0.494	8.36
19)	T	Methyl tert-bu...	1.271	1.110	1.204	1.132	1.153	1.042	1.152	6.86
20)	T	Methylene Chlo...	1.615	0.931	0.910	0.756	0.730	0.722	0.944	36.15
21)	T	trans-1,2-Dich...	0.767	0.679	0.697	0.691	0.699	0.712	0.707	4.38
22)	T	Diisopropyl ether	2.209	1.963	2.111	2.067	2.076	2.035	2.077	3.93
23)	T	Vinyl Acetate	1.403	1.230	1.372	1.355	1.438	1.343	1.357	5.25
24)	P	1,1-Dichloroet...	1.372	1.262	1.274	1.263	1.291	1.296	1.293	3.20
25)	T	2-Butanone	0.260	0.231	0.266	0.236	0.254	0.227	0.246	6.69
26)	T	2,2-Dichloropr...	0.814	0.704	0.696	0.738	0.700	0.740	0.732	6.07
27)	T	cis-1,2-Dichlo...	0.878	0.789	0.821	0.824	0.846	0.831	0.832	3.55
28)	T	Bromochloromet...	0.585	0.520	0.546	0.526	0.542	0.531	0.541	4.32
29)	T	Tetrahydrofuran	0.172	0.143	0.170	0.159	0.172	0.149	0.161	7.80
30)	C	Chloroform	1.436	1.336	1.362	1.314	1.348	1.338	1.356	3.11#
31)	T	Cyclohexane	1.399	1.176	1.078	1.099	1.100	1.107	1.160	10.50
32)	T	1,1,1-Trichlor...	1.114	1.017	1.008	1.010	1.009	1.032	1.032	4.02
33)	S	1,2-Dichloroet...	0.899	0.744	0.782	0.709	0.717	0.686	0.756	10.23
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.358	0.353	0.346	0.326	0.330	0.324	0.340	4.29
36)	T	1,1-Dichloropr...	0.529	0.531	0.520	0.509	0.527	0.514	0.522	1.73
37)	T	Ethyl Acetate	0.309	0.280	0.303	0.295	0.318	0.280	0.298	5.25
38)	T	Carbon Tetrach...	0.489	0.498	0.502	0.493	0.517	0.506	0.501	1.97
39)	T	Methylcyclohexane	0.655	0.643	0.637	0.657	0.690	0.659	0.657	2.80
40)	TM	Benzene	1.558	1.540	1.565	1.520	1.569	1.517	1.545	1.46
41)	T	Methacrylonitrile	0.179	0.179	0.177	0.179	0.188	0.166	0.178	3.94
42)	TM	1,2-Dichloroet...	0.508	0.484	0.516	0.480	0.507	0.471	0.494	3.74
43)	T	Isopropyl Acetate	0.544	0.491	0.556	0.531	0.589	0.523	0.539	6.14
44)	TM	Trichloroethene	0.370	0.372	0.356	0.362	0.375	0.368	0.367	1.83
45)	C	1,2-Dichloropr...	0.381	0.367	0.376	0.360	0.377	0.370	0.372	2.06#
46)	T	Dibromomethane	0.233	0.226	0.241	0.226	0.236	0.221	0.231	3.25
47)	T	Bromodichlorom...	0.537	0.546	0.561	0.535	0.582	0.557	0.553	3.22
48)	T	Methyl methacr...	0.244	0.229	0.272	0.256	0.281	0.255	0.256	7.27
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.003	0.003	0.002	0.002	13.34
50)	S	Toluene-d8	1.393	1.309	1.327	1.224	1.259	1.204	1.286	5.48
51)	T	4-Methyl-2-Pen...	0.293	0.270	0.317	0.295	0.320	0.273	0.295	7.10
52)	CM	Toluene	0.992	0.998	1.003	0.979	0.998	0.986	0.993	0.91#
53)	T	t-1,3-Dichloro...	0.502	0.496	0.535	0.522	0.575	0.552	0.530	5.71
54)	T	cis-1,3-Dichlo...	0.591	0.578	0.601	0.602	0.646	0.617	0.606	3.87
55)	T	1,1,2-Trichlor...	0.316	0.297	0.314	0.300	0.317	0.295	0.306	3.35
56)	T	Ethyl methacry...	0.397	0.388	0.443	0.442	0.487	0.439	0.433	8.31

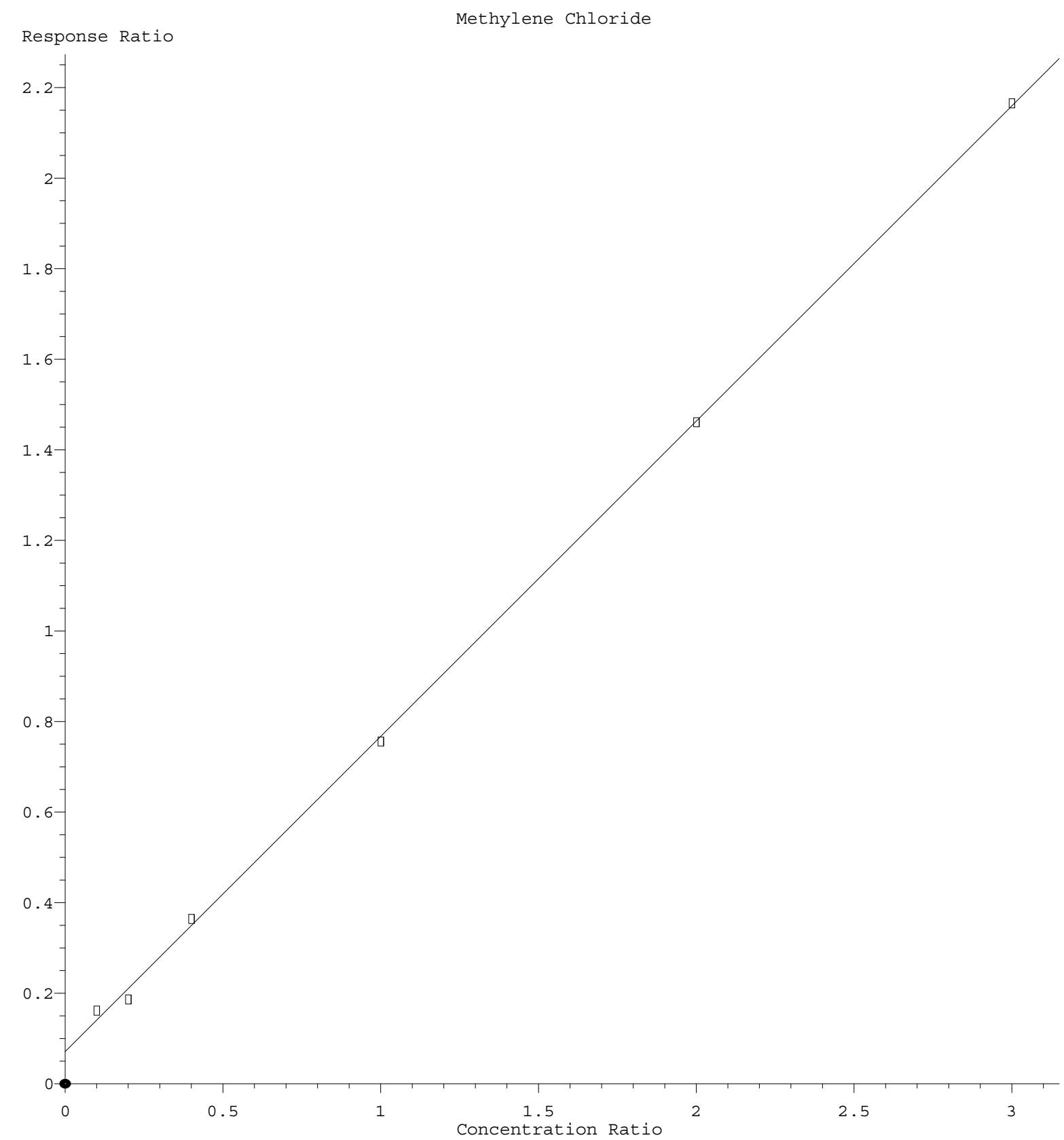
Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W072225S.M

57)	T	1,3-Dichloropr...	0.538	0.525	0.564	0.533	0.565	0.513	0.540	3.86
58)	T	2-Chloroethyl ...	0.209	0.205	0.228	0.223	0.244	0.223	0.222	6.26
59)	T	2-Hexanone	0.205	0.188	0.220	0.206	0.222	0.189	0.205	7.09
60)	T	Dibromochlorom...	0.349	0.339	0.358	0.351	0.386	0.359	0.357	4.52
61)	T	1,2-Dibromoethane	0.302	0.291	0.318	0.297	0.318	0.290	0.303	4.20
62)	S	4-Bromofluorob...	0.542	0.515	0.516	0.460	0.476	0.452	0.494	7.23
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.345	0.334	0.333	0.324	0.319	0.323	0.330	2.91
65)	PM	Chlorobenzene	1.216	1.227	1.257	1.244	1.193	1.205	1.224	1.97
66)	T	1,1,1,2-Tetrac...	0.379	0.366	0.394	0.377	0.377	0.383	0.379	2.40
67)	C	Ethyl Benzene	2.167	2.107	2.165	2.226	2.099	2.137	2.150	2.16#
68)	T	m/p-Xylenes	0.808	0.801	0.829	0.823	0.794	0.802	0.809	1.68
69)	T	o-Xylene	0.734	0.742	0.774	0.796	0.769	0.780	0.766	3.08
70)	T	Styrene	1.277	1.260	1.344	1.361	1.276	1.308	1.304	3.12
71)	P	Bromoform	0.202	0.182	0.208	0.219	0.223	0.211	0.207	7.09
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.192	4.207	4.224	4.405	4.614	4.387	4.338	3.78
74)	T	N-amyl acetate	1.138	1.029	1.188	1.193	1.319	1.171	1.173	7.98
75)	P	1,1,2,2-Tetrac...	0.947	0.851	0.964	0.914	0.982	0.868	0.921	5.73
76)	T	1,2,3-Trichlor...	0.728	0.641	0.704	0.690	0.735	0.643	0.690	5.90
77)	T	Bromobenzene	0.924	0.906	0.982	0.909	0.974	0.938	0.939	3.45
78)	T	n-propylbenzene	5.336	5.173	5.267	5.332	5.578	5.284	5.328	2.55
79)	T	2-Chlorotoluene	3.196	3.091	3.176	3.131	3.306	3.187	3.181	2.29
80)	T	1,3,5-Trimethy...	3.536	3.502	3.620	3.593	3.923	3.657	3.638	4.13
81)	T	trans-1,4-Dich...	0.275	0.256	0.301	0.300	0.349	0.313	0.299	10.67
82)	T	4-Chlorotoluene	3.414	3.360	3.311	3.278	3.384	3.277	3.337	1.72
83)	T	tert-Butylbenzene	3.105	2.985	3.028	3.080	3.325	3.074	3.099	3.82
84)	T	1,2,4-Trimethy...	3.699	3.640	3.651	3.685	3.787	3.634	3.683	1.56
85)	T	sec-Butylbenzene	4.715	4.590	4.604	4.619	4.748	4.651	4.654	1.38
86)	T	p-Isopropyltol...	3.892	3.746	3.759	3.842	4.056	3.788	3.847	3.02
87)	T	1,3-Dichlorobe...	2.060	1.901	2.017	1.911	1.977	1.858	1.954	3.94
88)	T	1,4-Dichlorobe...	2.044	1.907	1.985	1.824	1.942	1.783	1.914	5.13
89)	T	n-Butylbenzene	3.842	3.598	3.663	3.827	3.966	3.747	3.774	3.53
90)	T	Hexachloroethane	0.686	0.600	0.648	0.643	0.713	0.701	0.665	6.35
91)	T	1,2-Dichlorobe...	1.806	1.694	1.765	1.677	1.802	1.646	1.732	3.94
92)	T	1,2-Dibromo-3-...	0.183	0.145	0.169	0.160	0.180	0.160	0.166	8.54
93)	T	1,2,4-Trichlor...	1.113	0.952	1.036	0.984	1.171	1.010	1.044	7.92
94)	T	Hexachlorobuta...	0.524	0.459	0.486	0.489	0.525	0.486	0.495	5.14
95)	T	Naphthalene	2.581	2.257	2.534	2.535	2.913	2.584	2.567	8.14
96)	T	1,2,3-Trichlor...	0.976	0.898	0.907	0.935	1.042	0.920	0.946	5.73

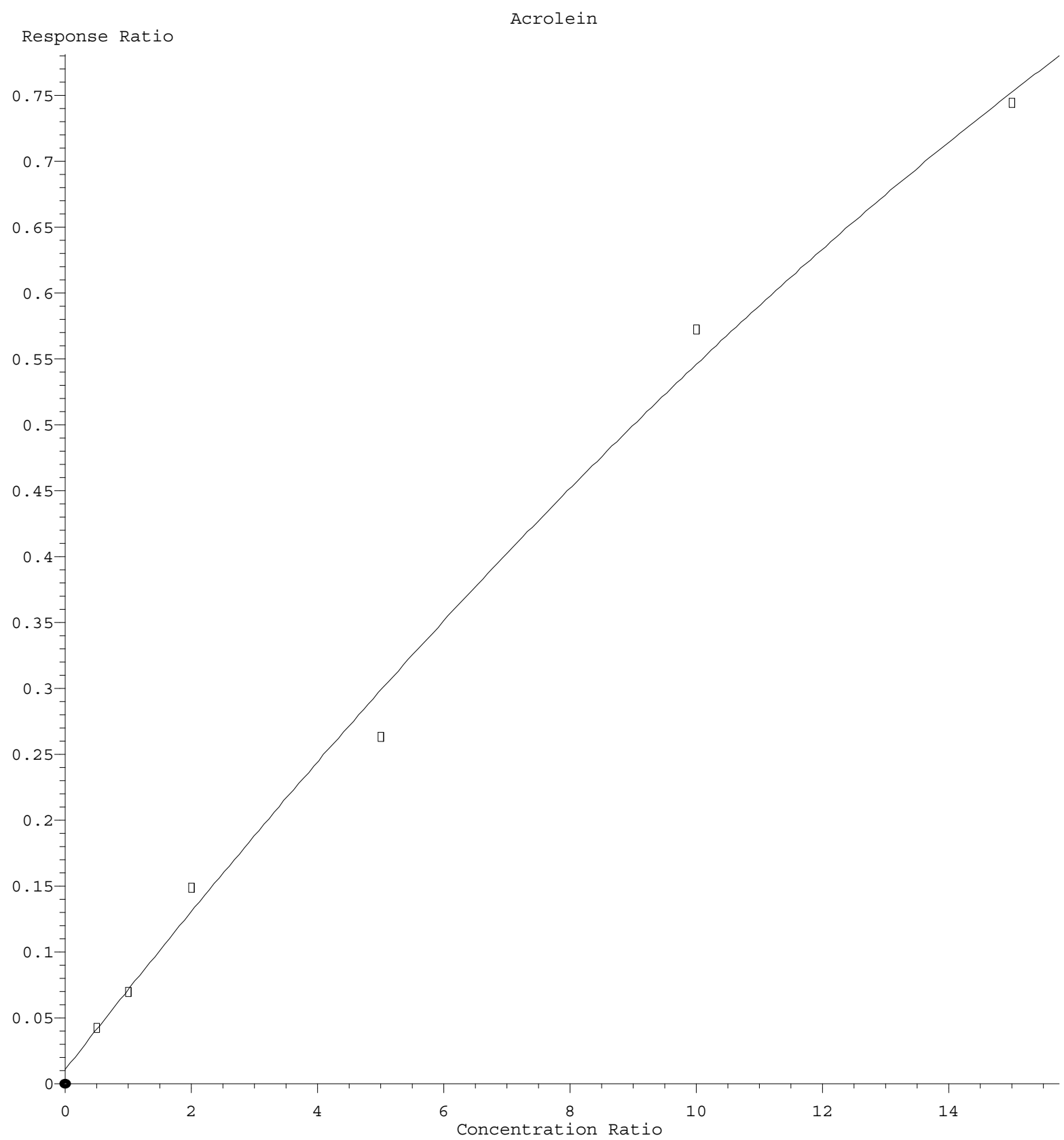
(#) = Out of Range



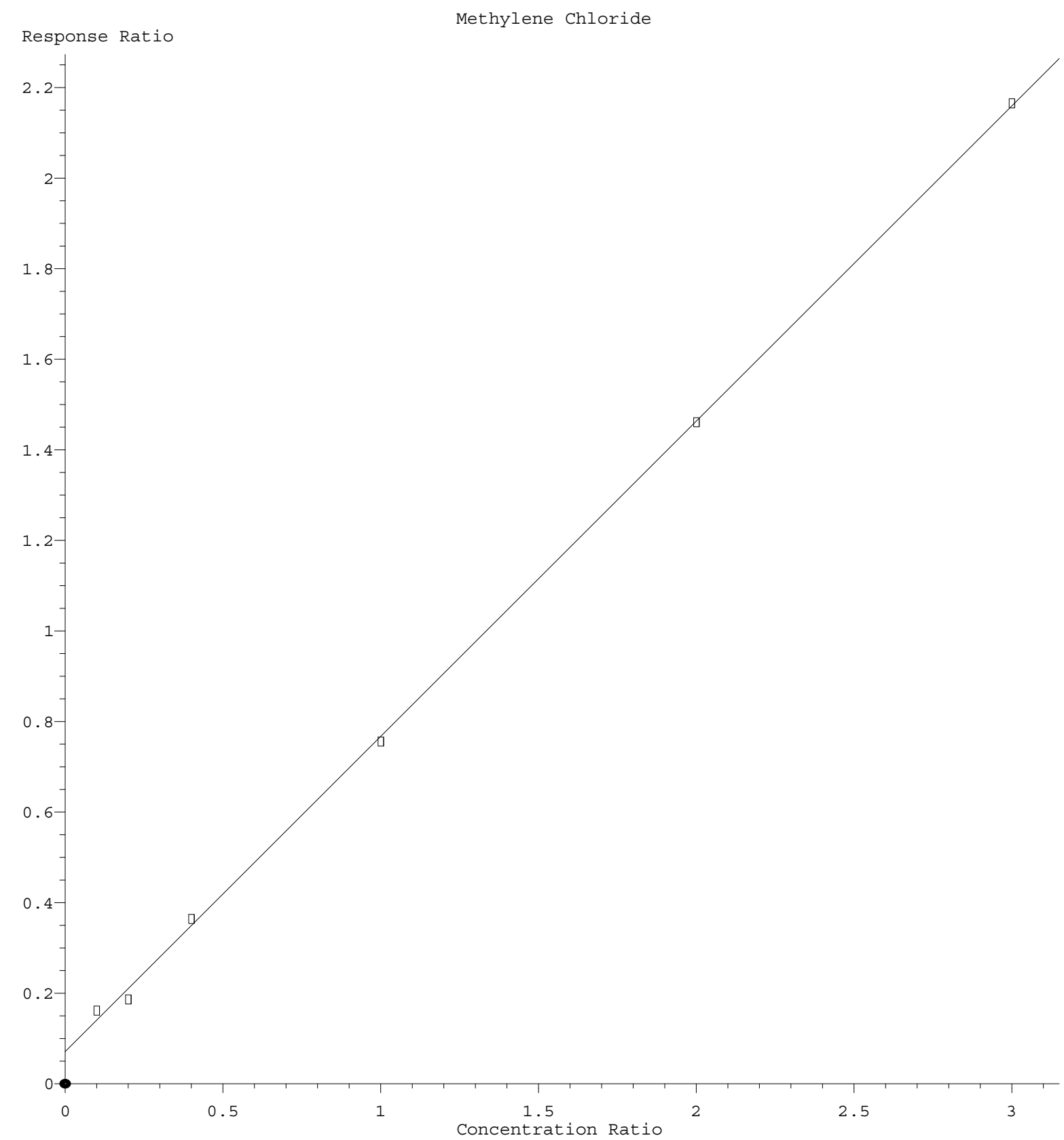
R = -8.138e-004 A*A + 6.165e-002 A + 1.071e-002
Coef of Det (r^2) = 0.994336 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA W\Method\82W072225S.M
Calibration Table Last Updated: Wed Jul 23 08:18:46 2025



Response = 6.962e-001 * Amt + 7.147e-002
Coef of Det (r^2) = 0.999576 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA W\Method\82W072225S.M
Calibration Table Last Updated: Wed Jul 23 08:18:46 2025



R = -8.138e-004 A*A + 6.165e-002 A + 1.071e-002
Coef of Det (r^2) = 0.994336 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA W\Method\82W072225S.M
Calibration Table Last Updated: Wed Jul 23 08:18:46 2025



Response = 6.962e-001 * Amt + 7.147e-002
Coef of Det (r^2) = 0.999576 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA W\Method\82W072225S.M
Calibration Table Last Updated: Wed Jul 23 08:18:46 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.965	168	228235	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.856	114	449234	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.629	117	394805	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	183530	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.325	65	20528	5.946	ug/l		0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	11.900%#			
35) Dibromofluoromethane	7.904	113	16097	5.273	ug/l		0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	10.540%#			
50) Toluene-d8	10.325	98	62567	5.416	ug/l		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	10.840%#			
62) 4-Bromofluorobenzene	12.617	95	24327	5.484	ug/l		0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	10.960%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.052	85	9741	5.742	ug/l		97
3) Chloromethane	2.265	50	12168	5.589	ug/l		95
4) Vinyl Chloride	2.412	62	14484	5.121	ug/l		98
5) Bromomethane	2.832	94	11418	5.482	ug/l		98
6) Chloroethane	2.985	64	10231	5.481	ug/l		95
7) Trichlorofluoromethane	3.320	101	15281	5.334	ug/l		96
8) Diethyl Ether	3.735	74	11778	6.155	ug/l		93
9) 1,1,2-Trichlorotrifluo...	4.112	101	15377	5.581	ug/l		99
10) Methyl Iodide	4.314	142	22169	5.381	ug/l		97
11) Tert butyl alcohol	5.222	59	5422	26.716	ug/l		99
12) 1,1-Dichloroethene	4.082	96	16290	5.353	ug/l		94
13) Acrolein	3.942	56	9673	25.862	ug/l		97
14) Allyl chloride	4.716	41	24887	5.253	ug/l		97
15) Acrylonitrile	5.411	53	23139	27.048	ug/l		98
16) Acetone	4.173	43	23464	28.639	ug/l		99
17) Carbon Disulfide	4.423	76	40508	5.132	ug/l		98
18) Methyl Acetate	4.716	43	12046	5.337	ug/l		95
19) Methyl tert-butyl Ether	5.472	73	29007	5.516	ug/l		93
20) Methylene Chloride	4.966	84	36859	6.466	ug/l		99
21) trans-1,2-Dichloroethene	5.466	96	17499	5.419	ug/l		96
22) Diisopropyl ether	6.344	45	50407	5.317	ug/l	#	88
23) Vinyl Acetate	6.289	43	160114	25.853	ug/l		98
24) 1,1-Dichloroethane	6.258	63	31324	5.307	ug/l		98
25) 2-Butanone	7.203	43	29641	26.442	ug/l		97
26) 2,2-Dichloropropane	7.191	77	18572	5.558	ug/l		100
27) cis-1,2-Dichloroethene	7.203	96	20040	5.279	ug/l		100
28) Bromochloromethane	7.539	49	13347	5.401	ug/l		99
29) Tetrahydrofuran	7.557	42	19682	26.780	ug/l		98
30) Chloroform	7.697	83	32764	5.294	ug/l		99
31) Cyclohexane	7.972	56	31936	6.031	ug/l	#	79
32) 1,1,1-Trichloroethane	7.886	97	25435	5.401	ug/l		96
36) 1,1-Dichloropropene	8.100	75	23778	5.072	ug/l		98
37) Ethyl Acetate	7.277	43	13902m	5.198	ug/l		
38) Carbon Tetrachloride	8.087	117	21986	4.887	ug/l		93
39) Methylcyclohexane	9.343	83	29428	4.988	ug/l		98
40) Benzene	8.343	78	69976	5.043	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	8040m	5.104	ug/l		
42) 1,2-Dichloroethane	8.417	62	22835	5.141	ug/l		100
43) Isopropyl Acetate	8.435	43	24443	5.049	ug/l		99
44) Trichloroethene	9.105	130	16617	5.038	ug/l		97
45) 1,2-Dichloropropane	9.380	63	17128	5.125	ug/l		98
46) Dibromomethane	9.471	93	10488	5.062	ug/l		98
47) Bromodichloromethane	9.654	83	24125	4.856	ug/l		96
48) Methyl methacrylate	9.447	41	10983	4.768	ug/l		95
49) 1,4-Dioxane	9.465	88	1664	80.493	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.215	43	65866	24.860	ug/l		98
52) Toluene	10.392	92	44580	4.997	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	22560	4.734	ug/l		97
54) cis-1,3-Dichloropropene	10.081	75	26530	4.875	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	14199	5.160	ug/l		99
56) Ethyl methacrylate	10.648	69	17819	4.585	ug/l		92
57) 1,3-Dichloropropane	10.934	76	24166	4.985	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.929	63	46965	23.525	ug/l		99
59) 2-Hexanone	10.971	43	45962	24.957	ug/l		96
60) Dibromochloromethane	11.130	129	15663	4.882	ug/l		96
61) 1,2-Dibromoethane	11.239	107	13545	4.981	ug/l		99
64) Tetrachloroethene	10.861	164	13609	5.228	ug/l	#	88
65) Chlorobenzene	11.660	112	47998	4.967	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.733	131	14955	4.992	ug/l		99
67) Ethyl Benzene	11.733	91	85548	5.039	ug/l		100
68) m/p-Xylenes	11.843	106	63820	9.986	ug/l		100
69) o-Xylene	12.166	106	28989	4.793	ug/l		94
70) Styrene	12.178	104	50399	4.894	ug/l		98
71) Bromoform	12.349	173	7989	4.877	ug/l	#	95
73) Isopropylbenzene	12.459	105	76941	4.832	ug/l		100
74) N-amyl acetate	12.270	43	20889	4.852	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.715	83	17372	5.139	ug/l		97
76) 1,2,3-Trichloropropane	12.763	75	13366m	5.320	ug/l		
77) Bromobenzene	12.745	156	16967	4.924	ug/l		98
78) n-propylbenzene	12.806	91	97940	5.008	ug/l		100
79) 2-Chlorotoluene	12.885	91	58659	5.023	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	64888	4.859	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.507	75	5052	4.603	ug/l		94
82) 4-Chlorotoluene	12.989	91	62666	5.115	ug/l		99
83) tert-Butylbenzene	13.202	119	56981	5.009	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	67882	5.022	ug/l		97
85) sec-Butylbenzene	13.379	105	86541	5.066	ug/l		98
86) p-Isopropyltoluene	13.489	119	71432	5.059	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	37803	5.271	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	37516	5.340	ug/l		94
89) n-Butylbenzene	13.818	91	70505	5.090	ug/l		98
90) Hexachloroethane	14.086	117	12586	5.154	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	33137	5.213	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.483	75	3359	5.501	ug/l		96
93) 1,2,4-Trichlorobenzene	15.123	180	20425	5.328	ug/l		93
94) Hexachlorobutadiene	15.226	225	9622	5.297	ug/l		99
95) Naphthalene	15.360	128	47376	5.027	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	17912	5.157	ug/l		94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

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

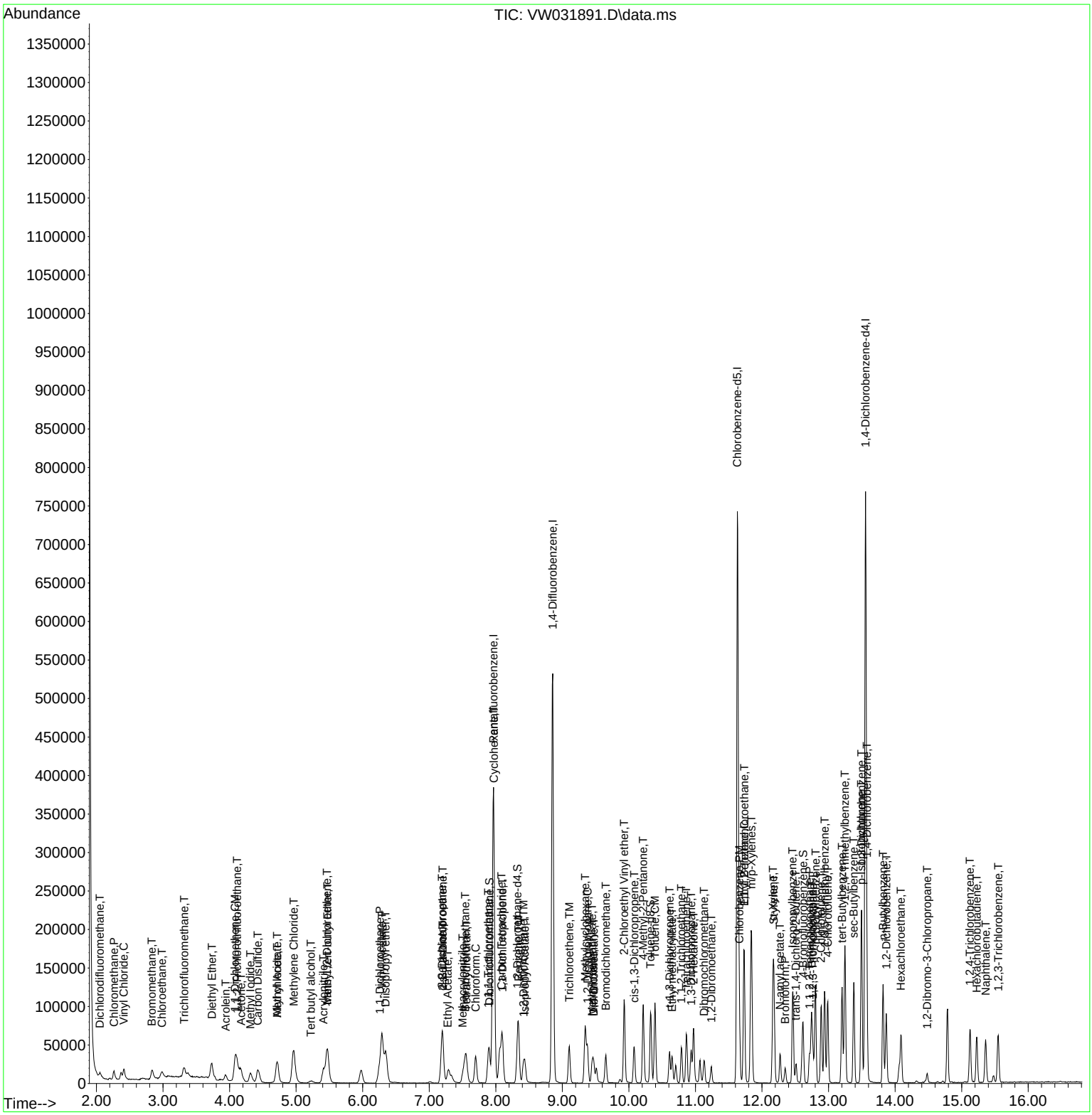
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	231127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	416059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	372788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	34413	9.843	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	19.680%#		
35) Dibromofluoromethane	7.898	113	29377	10.391	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	20.780%#		
50) Toluene-d8	10.325	98	108902	10.178	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.360%#		
62) 4-Bromofluorobenzene	12.617	95	42871	10.434	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	20.860%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.052	85	16819	9.791	ug/l	90
3) Chloromethane	2.253	50	21940	9.951	ug/l	99
4) Vinyl Chloride	2.405	62	28422	9.924	ug/l	95
5) Bromomethane	2.826	94	20976	9.946	ug/l	92
6) Chloroethane	2.972	64	18282	9.672	ug/l	95
7) Trichlorofluoromethane	3.308	101	25531	8.801	ug/l	93
8) Diethyl Ether	3.722	74	17727	9.148	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	27862	9.986	ug/l	100
10) Methyl Iodide	4.313	142	40718	9.760	ug/l	99
11) Tert butyl alcohol	5.222	59	9045	44.010	ug/l #	88
12) 1,1-Dichloroethene	4.076	96	30316	9.837	ug/l	94
13) Acrolein	3.929	56	16101	48.430	ug/l	100
14) Allyl chloride	4.704	41	45698	9.525	ug/l	99
15) Acrylonitrile	5.405	53	39188	45.235	ug/l	97
16) Acetone	4.167	43	43690	52.659	ug/l	96
17) Carbon Disulfide	4.417	76	75927	9.499	ug/l	97
18) Methyl Acetate	4.710	43	19716	8.625	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	51288	9.632	ug/l	99
20) Methylene Chloride	4.954	84	43038	8.241	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	31392	9.600	ug/l	97
22) Diisopropyl ether	6.344	45	90747	9.453	ug/l	98
23) Vinyl Acetate	6.283	43	284185	45.312	ug/l	98
24) 1,1-Dichloroethane	6.246	63	58334	9.760	ug/l	98
25) 2-Butanone	7.197	43	53335	46.984	ug/l	100
26) 2,2-Dichloropropane	7.191	77	32523	9.611	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	36460	9.485	ug/l	98
28) Bromochloromethane	7.526	49	24018	9.597	ug/l	97
29) Tetrahydrofuran	7.551	42	33119	44.500	ug/l	98
30) Chloroform	7.691	83	61757	9.854	ug/l	98
31) Cyclohexane	7.971	56	54338	10.133	ug/l #	95
32) 1,1,1-Trichloroethane	7.886	97	46989	9.853	ug/l	98
36) 1,1-Dichloropropene	8.093	75	44218	10.184	ug/l	99
37) Ethyl Acetate	7.270	43	23295	9.405	ug/l	99
38) Carbon Tetrachloride	8.081	117	41429	9.943	ug/l	98
39) Methylcyclohexane	9.343	83	53466	9.785	ug/l	95
40) Benzene	8.337	78	128121	9.969	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	14893m	10.209	ug/l		
42) 1,2-Dichloroethane	8.410	62	40250	9.785	ug/l		99
43) Isopropyl Acetate	8.435	43	40842	9.109	ug/l		99
44) Trichloroethene	9.099	130	30934	10.126	ug/l		94
45) 1,2-Dichloropropane	9.374	63	30529	9.863	ug/l		93
46) Dibromomethane	9.465	93	18831	9.814	ug/l		96
47) Bromodichloromethane	9.648	83	45402	9.868	ug/l		98
48) Methyl methacrylate	9.441	41	19089	8.949	ug/l		99
49) 1,4-Dioxane	9.471	88	3526	184.165	ug/l	#	72
51) 4-Methyl-2-Pentanone	10.215	43	112498	45.845	ug/l		98
52) Toluene	10.392	92	83069	10.054	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	41264	9.349	ug/l		96
54) cis-1,3-Dichloropropene	10.081	75	48135	9.550	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	24676	9.682	ug/l		95
56) Ethyl methacrylate	10.648	69	32317	8.978	ug/l		99
57) 1,3-Dichloropropane	10.934	76	43658	9.723	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	85410	46.194	ug/l		100
59) 2-Hexanone	10.971	43	78182	45.837	ug/l		99
60) Dibromochloromethane	11.129	129	28189	9.486	ug/l		99
61) 1,2-Dibromoethane	11.239	107	24219	9.617	ug/l		99
64) Tetrachloroethene	10.861	164	24918	10.138	ug/l		96
65) Chlorobenzene	11.660	112	91460	10.024	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.733	131	27287	9.647	ug/l		98
67) Ethyl Benzene	11.733	91	157107	9.801	ug/l		100
68) m/p-Xylenes	11.843	106	119437	19.791	ug/l		97
69) o-Xylene	12.166	106	55307	9.684	ug/l		98
70) Styrene	12.178	104	93933	9.660	ug/l		99
71) Bromoform	12.349	173	13549	8.759	ug/l	#	97
73) Isopropylbenzene	12.458	105	147152	9.698	ug/l		100
74) N-amyl acetate	12.269	43	35992	8.774	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.714	83	29777	9.245	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	22414m	9.362	ug/l		
77) Bromobenzene	12.739	156	31681	9.650	ug/l		98
78) n-propylbenzene	12.800	91	180937	9.709	ug/l		98
79) 2-Chlorotoluene	12.891	91	108108	9.716	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	122504	9.626	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	8950	8.558	ug/l		94
82) 4-Chlorotoluene	12.983	91	117523	10.068	ug/l		98
83) tert-Butylbenzene	13.202	119	104397	9.630	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	127309	9.883	ug/l		100
85) sec-Butylbenzene	13.379	105	160534	9.861	ug/l		100
86) p-Isopropyltoluene	13.495	119	131018	9.737	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	66474	9.727	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	66689	9.961	ug/l		97
89) n-Butylbenzene	13.818	91	125846	9.534	ug/l		99
90) Hexachloroethane	14.086	117	21002	9.026	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	59263	9.785	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5072	8.716	ug/l		95
93) 1,2,4-Trichlorobenzene	15.129	180	33290	9.114	ug/l		99
94) Hexachlorobutadiene	15.226	225	16064	9.281	ug/l		93
95) Naphthalene	15.360	128	78956	8.792	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	31394	9.486	ug/l		92

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

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

ICAL Form

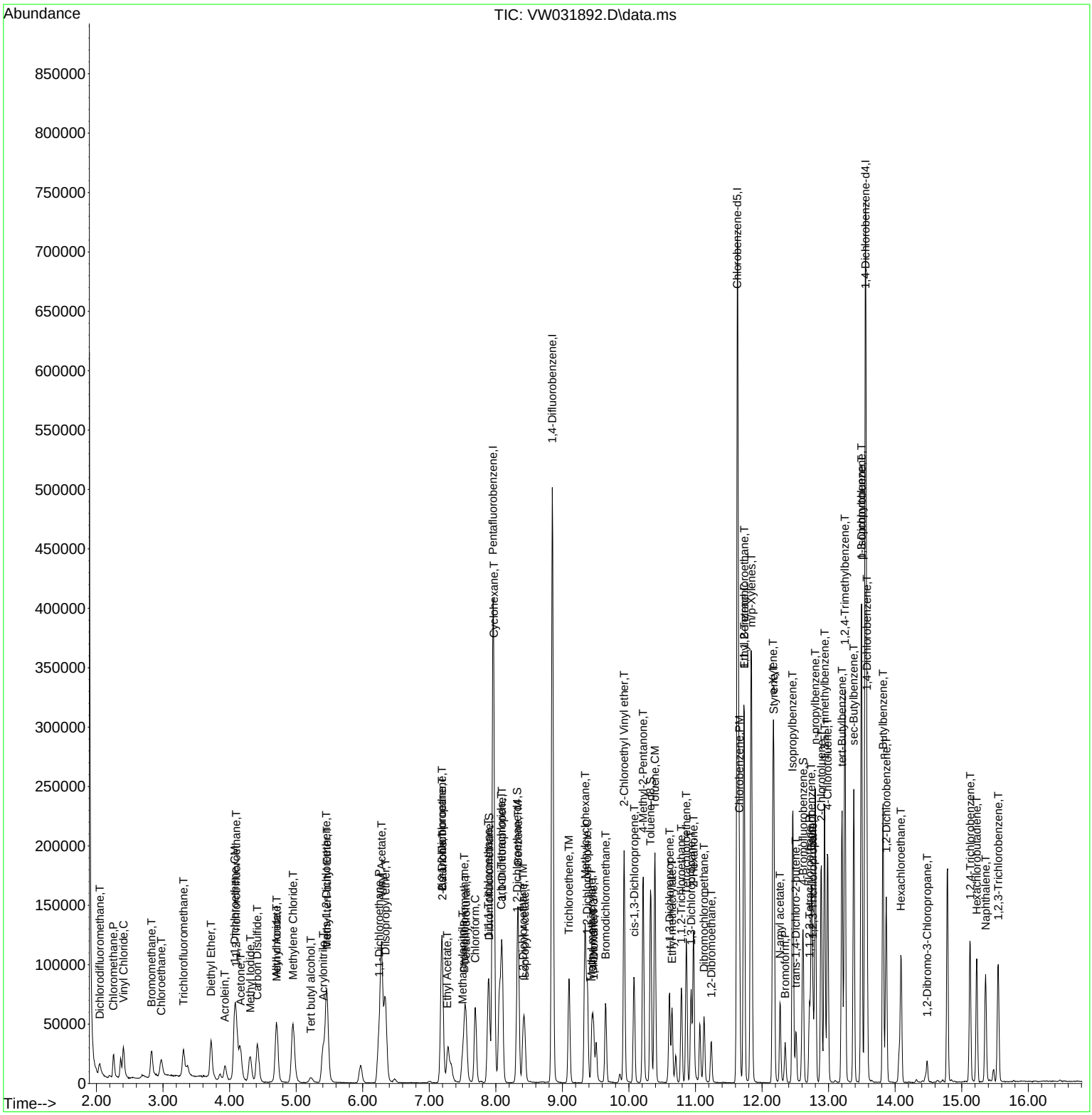
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	229449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	418770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	369653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	71753	20.672	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	41.340%#		
35) Dibromofluoromethane	7.892	113	57971	20.372	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 134		Recovery =	40.740%#		
50) Toluene-d8	10.325	98	222244	20.636	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	41.280%#		
62) 4-Bromofluorobenzene	12.617	95	86515	20.921	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	41.840%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	32547	19.086	ug/l	91
3) Chloromethane	2.253	50	42396	19.370	ug/l	99
4) Vinyl Chloride	2.405	62	56162	19.752	ug/l	95
5) Bromomethane	2.826	94	40732	19.454	ug/l	94
6) Chloroethane	2.972	64	36178	19.279	ug/l	98
7) Trichlorofluoromethane	3.302	101	52674	18.291	ug/l	97
8) Diethyl Ether	3.716	74	39501	20.534	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.106	101	53456	19.298	ug/l	98
10) Methyl Iodide	4.301	142	82715	19.972	ug/l	99
11) Tert butyl alcohol	5.222	59	21622	105.975	ug/l	99
12) 1,1-Dichloroethene	4.076	96	59622	19.488	ug/l	97
13) Acrolein	3.930	56	34117	115.420	ug/l	99
14) Allyl chloride	4.704	41	94691	19.882	ug/l	99
15) Acrylonitrile	5.399	53	89035	103.525	ug/l	99
16) Acetone	4.161	43	85144	103.374	ug/l	96
17) Carbon Disulfide	4.417	76	156802	19.761	ug/l	100
18) Methyl Acetate	4.710	43	48524	21.384	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	110536	20.910	ug/l	94
20) Methylene Chloride	4.948	84	83480	20.998	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	63984	19.711	ug/l	97
22) Diisopropyl ether	6.332	45	193706	20.325	ug/l	94
23) Vinyl Acetate	6.283	43	629578	101.117	ug/l	98
24) 1,1-Dichloroethane	6.246	63	116889	19.699	ug/l	98
25) 2-Butanone	7.191	43	121949	108.213	ug/l	98
26) 2,2-Dichloropropane	7.185	77	63903	19.023	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	75384	19.753	ug/l	98
28) Bromochloromethane	7.526	49	50074	20.156	ug/l #	15
29) Tetrahydrofuran	7.551	42	78147	105.769	ug/l	99
30) Chloroform	7.691	83	125023	20.096	ug/l	97
31) Cyclohexane	7.965	56	98980	18.594	ug/l #	94
32) 1,1,1-Trichloroethane	7.886	97	92496	19.538	ug/l	98
36) 1,1-Dichloropropene	8.093	75	87130	19.938	ug/l	100
37) Ethyl Acetate	7.277	43	50830	20.390	ug/l	100
38) Carbon Tetrachloride	8.081	117	84031	20.036	ug/l	99
39) Methylcyclohexane	9.337	83	106658	19.394	ug/l	97
40) Benzene	8.331	78	262100	20.261	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	29705	20.230	ug/l		92
42) 1,2-Dichloroethane	8.410	62	86447	20.880	ug/l		99
43) Isopropyl Acetate	8.435	43	93094	20.628	ug/l		99
44) Trichloroethene	9.099	130	59670	19.406	ug/l		91
45) 1,2-Dichloropropane	9.374	63	63028	20.231	ug/l		99
46) Dibromomethane	9.465	93	40434	20.937	ug/l		98
47) Bromodichloromethane	9.648	83	93907	20.278	ug/l		98
48) Methyl methacrylate	9.441	41	45551	21.215	ug/l		99
49) 1,4-Dioxane	9.465	88	7579	393.293	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.209	43	265574	107.527	ug/l		100
52) Toluene	10.392	92	168089	20.213	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	89603	20.170	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	100637	19.838	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	52531	20.477	ug/l		91
56) Ethyl methacrylate	10.648	69	74127	20.460	ug/l		99
57) 1,3-Dichloropropane	10.934	76	94430	20.894	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	191363	102.829	ug/l		100
59) 2-Hexanone	10.971	43	184643	107.552	ug/l		98
60) Dibromochloromethane	11.129	129	60033	20.071	ug/l		99
61) 1,2-Dibromoethane	11.233	107	53321	21.035	ug/l		96
64) Tetrachloroethene	10.867	164	49304	20.230	ug/l		93
65) Chlorobenzene	11.654	112	185932	20.552	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	58246	20.767	ug/l		97
67) Ethyl Benzene	11.727	91	320050	20.134	ug/l		100
68) m/p-Xylenes	11.837	106	245015	40.945	ug/l		97
69) o-Xylene	12.166	106	114484	20.216	ug/l		97
70) Styrene	12.178	104	198720	20.610	ug/l		99
71) Bromoform	12.349	173	30762	20.055	ug/l	#	97
73) Isopropylbenzene	12.459	105	294447	19.474	ug/l		100
74) N-amyl acetate	12.270	43	82784	20.253	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	67200	20.939	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	49056m	20.562	ug/l		
77) Bromobenzene	12.745	156	68424	20.916	ug/l		91
78) n-propylbenzene	12.800	91	367105	19.769	ug/l		100
79) 2-Chlorotoluene	12.891	91	221355	19.964	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	252317	19.898	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	20950	20.104	ug/l		96
82) 4-Chlorotoluene	12.983	91	230806	19.843	ug/l		100
83) tert-Butylbenzene	13.202	119	211034	19.537	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	254520	19.830	ug/l		98
85) sec-Butylbenzene	13.379	105	320882	19.782	ug/l		100
86) p-Isopropyltoluene	13.495	119	262000	19.541	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	140624	20.650	ug/l		96
88) 1,4-Dichlorobenzene	13.574	146	138374	20.743	ug/l		97
89) n-Butylbenzene	13.818	91	255308	19.411	ug/l		99
90) Hexachloroethane	14.086	117	45174	19.485	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	123056	20.390	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	11802	20.355	ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	72217	19.842	ug/l		93
94) Hexachlorobutadiene	15.226	225	33880	19.644	ug/l		98
95) Naphthalene	15.360	128	176597	19.736	ug/l		99
96) 1,2,3-Trichlorobenzene	15.543	180	63227	19.173	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

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

ICAL Form

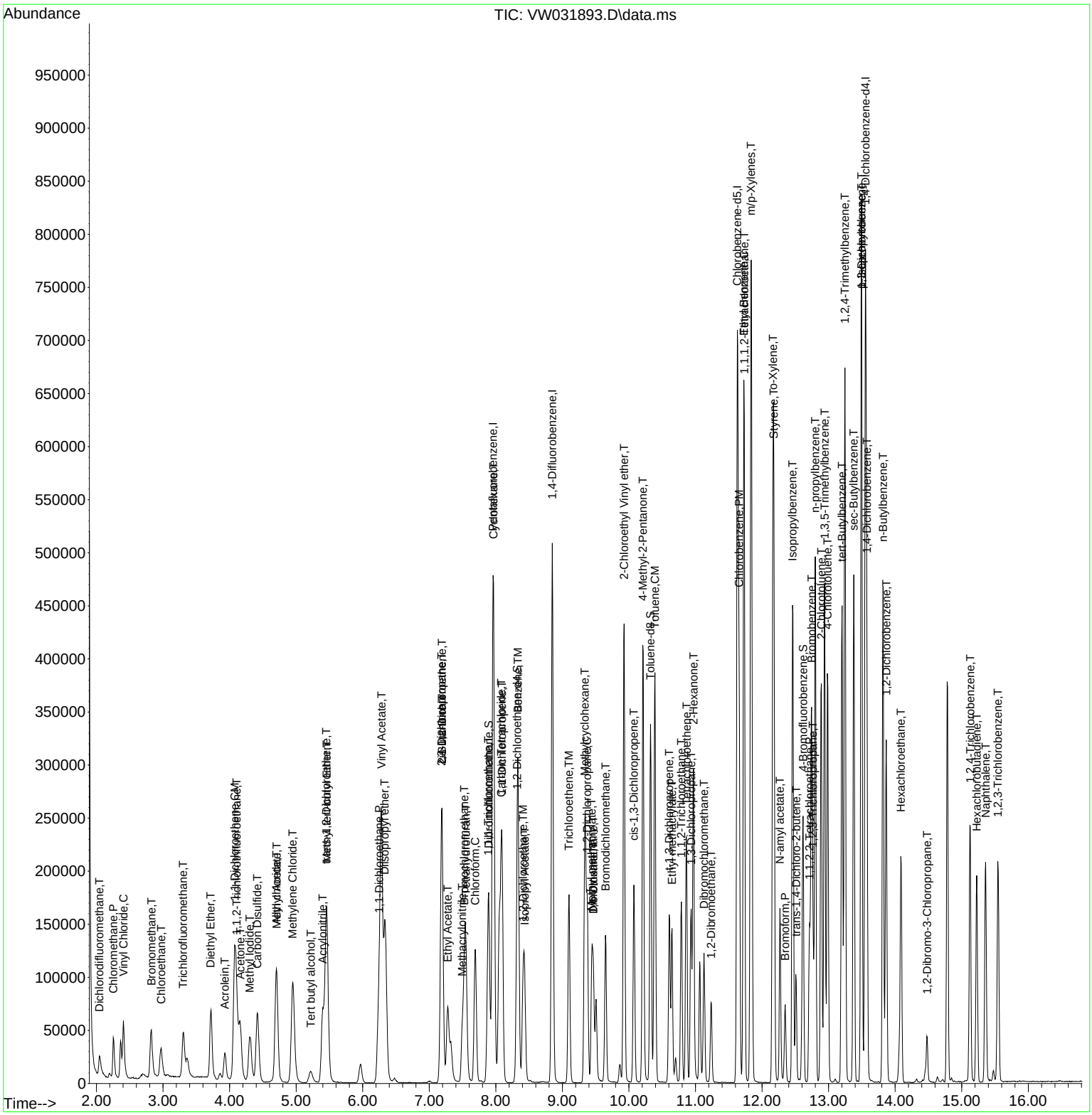
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	225122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	418592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	358393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159650	46.880	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 93.760%			
35) Dibromofluoromethane	7.904	113	136603	48.025	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 96.060%			
50) Toluene-d8	10.325	98	512311	47.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.180%			
62) 4-Bromofluorobenzene	12.617	95	192744	46.629	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 93.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	80644	48.198	ug/l	100
3) Chloromethane	2.259	50	97775	45.529	ug/l	100
4) Vinyl Chloride	2.411	62	138448	49.629	ug/l	100
5) Bromomethane	2.832	94	97813	47.615	ug/l	100
6) Chloroethane	2.978	64	88298	47.958	ug/l	100
7) Trichlorofluoromethane	3.314	101	152835	54.091	ug/l	100
8) Diethyl Ether	3.728	74	87596	46.411	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.112	101	132678	48.819	ug/l	100
10) Methyl Iodide	4.307	142	194830	47.947	ug/l	100
11) Tert butyl alcohol	5.222	59	48976	244.659	ug/l	100
12) 1,1-Dichloroethene	4.076	96	145251	48.388	ug/l	100
13) Acrolein	3.942	56	59249	217.217	ug/l	100
14) Allyl chloride	4.710	41	227564	48.698	ug/l	100
15) Acrylonitrile	5.405	53	205004	242.948	ug/l	100
16) Acetone	4.167	43	186627	230.941	ug/l	100
17) Carbon Disulfide	4.423	76	381111	48.954	ug/l	100
18) Methyl Acetate	4.716	43	106992	48.056	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	254734	49.114	ug/l	100
20) Methylene Chloride	4.954	84	170144	49.149	ug/l	100
21) trans-1,2-Dichloroethene	5.466	96	155488	48.820	ug/l	100
22) Diisopropyl ether	6.344	45	465380	49.771	ug/l	100
23) Vinyl Acetate	6.289	43	1525293	249.686	ug/l	100
24) 1,1-Dichloroethane	6.246	63	284373	48.847	ug/l	100
25) 2-Butanone	7.191	43	266059	240.629	ug/l	100
26) 2,2-Dichloropropane	7.191	77	166236	50.437	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	185527	49.549	ug/l	100
28) Bromochloromethane	7.532	49	118407	48.577	ug/l	100
29) Tetrahydrofuran	7.557	42	179179	247.172	ug/l	100
30) Chloroform	7.691	83	295801	48.459	ug/l	100
31) Cyclohexane	7.971	56	247509	47.389	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	227418	48.961	ug/l	100
36) 1,1-Dichloropropene	8.099	75	213142	48.794	ug/l	100
37) Ethyl Acetate	7.276	43	123663	49.627	ug/l	100
38) Carbon Tetrachloride	8.081	117	206216	49.190	ug/l	100
39) Methylcyclohexane	9.343	83	274858	50.000	ug/l	100
40) Benzene	8.337	78	636145	49.197	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	75019	51.112	ug/l		100
42) 1,2-Dichloroethane	8.416	62	200964	48.561	ug/l		100
43) Isopropyl Acetate	8.435	43	222170	49.250	ug/l		100
44) Trichloroethene	9.105	130	151736	49.368	ug/l		100
45) 1,2-Dichloropropane	9.374	63	150788	48.420	ug/l		100
46) Dibromomethane	9.465	93	94479	48.942	ug/l		100
47) Bromodichloromethane	9.648	83	223852	48.359	ug/l		100
48) Methyl methacrylate	9.441	41	107066	49.887	ug/l		100
49) 1,4-Dioxane	9.465	88	21855	1134.591	ug/l		100
51) 4-Methyl-2-Pentanone	10.215	43	617526	250.133	ug/l		100
52) Toluene	10.392	92	409807	49.301	ug/l		100
53) t-1,3-Dichloropropene	10.611	75	218411	49.187	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	251812	49.658	ug/l		100
55) 1,1,2-Trichloroethane	10.788	97	125532	48.955	ug/l		100
56) Ethyl methacrylate	10.648	69	184989	51.081	ug/l		100
57) 1,3-Dichloropropane	10.934	76	223219	49.412	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	466986	251.042	ug/l		100
59) 2-Hexanone	10.971	43	430358	250.784	ug/l		100
60) Dibromochloromethane	11.135	129	147041	49.183	ug/l		100
61) 1,2-Dibromoethane	11.233	107	124264	49.043	ug/l		100
64) Tetrachloroethene	10.867	164	116190	49.172	ug/l		100
65) Chlorobenzene	11.660	112	445905	50.836	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	135280	49.749	ug/l		100
67) Ethyl Benzene	11.733	91	797666	51.758	ug/l		100
68) m/p-Xylenes	11.836	106	590027	101.698	ug/l		100
69) o-Xylene	12.166	106	285328	51.967	ug/l		100
70) Styrene	12.178	104	487647	52.165	ug/l		100
71) Bromoform	12.349	173	78409	52.724	ug/l	#	100
73) Isopropylbenzene	12.464	105	743506	50.771	ug/l		100
74) N-amyl acetate	12.269	43	201296	50.845	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.714	83	154182	49.601	ug/l		100
76) 1,2,3-Trichloropropane	12.769	75	116529m	50.431	ug/l		
77) Bromobenzene	12.745	156	153362	48.402	ug/l		100
78) n-propylbenzene	12.800	91	899940	50.036	ug/l		100
79) 2-Chlorotoluene	12.891	91	528504	49.215	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	606401	49.373	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	50710	50.242	ug/l		100
82) 4-Chlorotoluene	12.983	91	553292	49.113	ug/l		100
83) tert-Butylbenzene	13.202	119	519792	49.685	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	621979	50.033	ug/l		100
85) sec-Butylbenzene	13.379	105	779564	49.619	ug/l		100
86) p-Isopropyltoluene	13.495	119	648382	49.930	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	322462	48.890	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	307895	47.653	ug/l		100
89) n-Butylbenzene	13.818	91	645926	50.705	ug/l		100
90) Hexachloroethane	14.086	117	108580	48.355	ug/l		100
91) 1,2-Dichlorobenzene	13.867	146	283107	48.433	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.482	75	27088	48.235	ug/l		100
93) 1,2,4-Trichlorobenzene	15.129	180	166119	47.124	ug/l		100
94) Hexachlorobutadiene	15.226	225	82516	49.399	ug/l		100
95) Naphthalene	15.360	128	427849	49.367	ug/l		100
96) 1,2,3-Trichlorobenzene	15.549	180	157823	49.413	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

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

ICAL Form

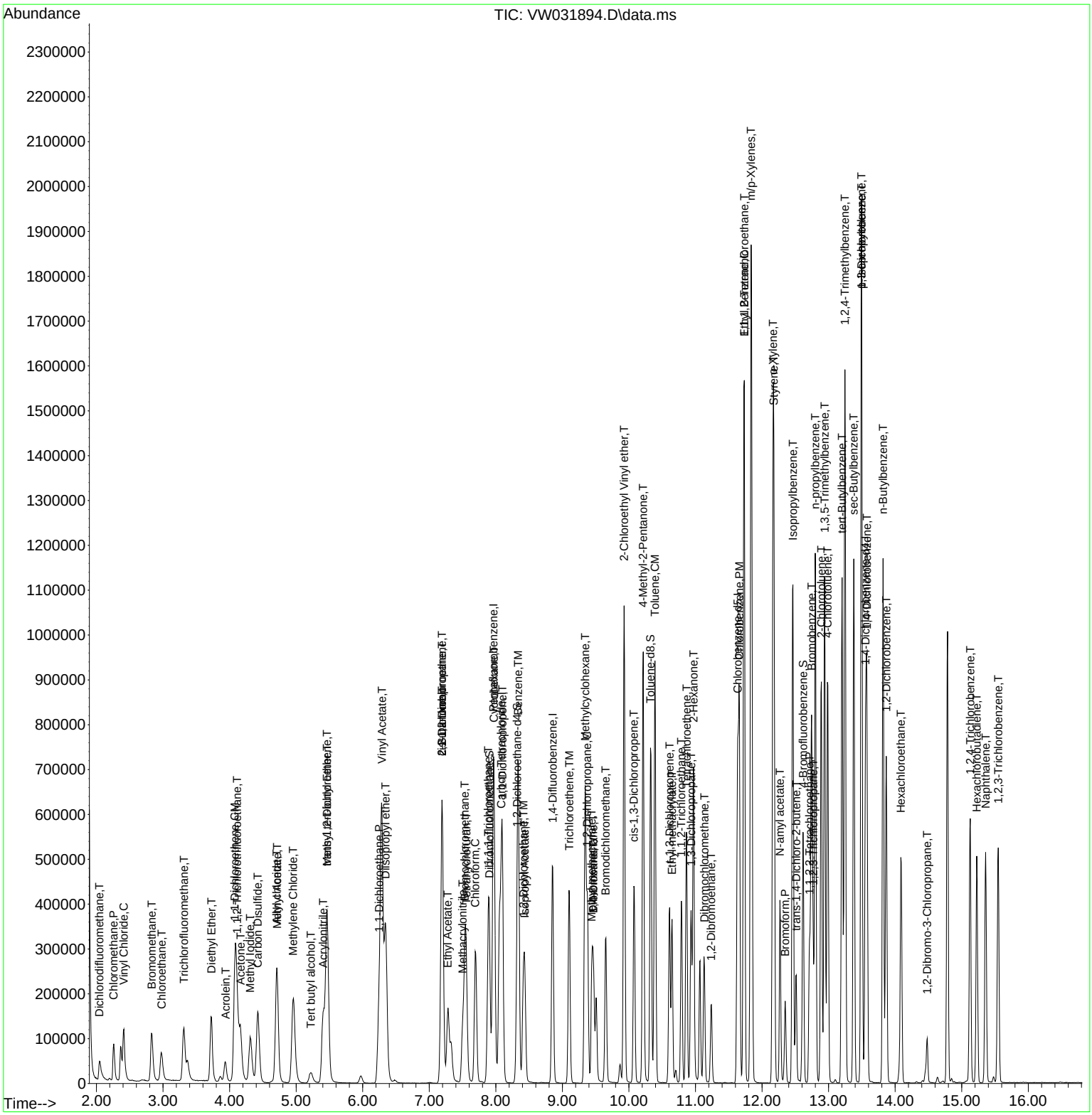
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.953	168	221447	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	402410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	371635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	158257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	317755	94.854	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155			Recovery = 189.700%#		
35) Dibromofluoromethane	7.892	113	265829	97.216	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 134			Recovery = 194.440%#		
50) Toluene-d8	10.325	98	1013207	97.904	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123			Recovery = 195.800%#		
62) 4-Bromofluorobenzene	12.617	95	383449	96.494	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146			Recovery = 192.980%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	163348	99.248	ug/l	99
3) Chloromethane	2.259	50	203485	96.326	ug/l	98
4) Vinyl Chloride	2.405	62	273463	99.654	ug/l	99
5) Bromomethane	2.820	94	198486	98.226	ug/l	99
6) Chloroethane	2.966	64	181340	100.126	ug/l	99
7) Trichlorofluoromethane	3.301	101	276765	99.578	ug/l	96
8) Diethyl Ether	3.722	74	177440	95.572	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	258448	96.675	ug/l	99
10) Methyl Iodide	4.307	142	396765	99.264	ug/l	100
11) Tert butyl alcohol	5.216	59	108215	549.558	ug/l	100
12) 1,1-Dichloroethene	4.076	96	295280	100.001	ug/l	93
13) Acrolein	3.929	56	126741	529.499	ug/l	100
14) Allyl chloride	4.704	41	461159	100.325	ug/l	99
15) Acrylonitrile	5.399	53	434270	523.190	ug/l	99
16) Acetone	4.161	43	372157	468.167	ug/l	98
17) Carbon Disulfide	4.417	76	778367	101.641	ug/l	98
18) Methyl Acetate	4.704	43	233619	106.673	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	510872	100.133	ug/l	99
20) Methylene Chloride	4.954	84	323479	99.782	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	309509	98.792	ug/l	98
22) Diisopropyl ether	6.338	45	919619	99.982	ug/l	98
23) Vinyl Acetate	6.277	43	3184428	529.933	ug/l	99
24) 1,1-Dichloroethane	6.246	63	571894	99.864	ug/l	99
25) 2-Butanone	7.191	43	563092	517.723	ug/l	96
26) 2,2-Dichloropropane	7.179	77	310099	95.647	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	374781	101.755	ug/l	99
28) Bromochloromethane	7.532	49	239942	100.070	ug/l	98
29) Tetrahydrofuran	7.551	42	380062	532.985	ug/l	100
30) Chloroform	7.691	83	597178	99.456	ug/l	96
31) Cyclohexane	7.971	56	487369	94.861	ug/l	100
32) 1,1,1-Trichloroethane	7.880	97	447021	97.836	ug/l	99
36) 1,1-Dichloropropene	8.093	75	424179	101.012	ug/l	100
37) Ethyl Acetate	7.270	43	255825	106.793	ug/l	100
38) Carbon Tetrachloride	8.081	117	415729	103.155	ug/l	92
39) Methylcyclohexane	9.343	83	554981	105.017	ug/l	96
40) Benzene	8.337	78	1262395	101.554	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	151519	107.383	ug/l		97
42) 1,2-Dichloroethane	8.410	62	408100	102.578	ug/l		100
43) Isopropyl Acetate	8.435	43	474069	109.315	ug/l		99
44) Trichloroethene	9.099	130	301416	102.011	ug/l		98
45) 1,2-Dichloropropane	9.374	63	303214	101.282	ug/l		99
46) Dibromomethane	9.465	93	189553	102.141	ug/l		95
47) Bromodichloromethane	9.648	83	468786	105.344	ug/l		99
48) Methyl methacrylate	9.441	41	226471	109.767	ug/l		100
49) 1,4-Dioxane	9.465	88	43032	2323.819	ug/l	#	84
51) 4-Methyl-2-Pentanone	10.209	43	1288323	542.828	ug/l		100
52) Toluene	10.392	92	803397	100.537	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	463061	108.477	ug/l		99
54) cis-1,3-Dichloropropene	10.075	75	519672	106.602	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	254950	103.424	ug/l		96
56) Ethyl methacrylate	10.648	69	392187	112.649	ug/l		99
57) 1,3-Dichloropropane	10.934	76	454447	104.643	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	981034	548.592	ug/l		99
59) 2-Hexanone	10.965	43	892662	541.101	ug/l		99
60) Dibromochloromethane	11.129	129	310954	108.191	ug/l		97
61) 1,2-Dibromoethane	11.239	107	255989	105.093	ug/l		98
64) Tetrachloroethene	10.861	164	236845	96.662	ug/l		88
65) Chlorobenzene	11.654	112	886811	97.499	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.727	131	280110	99.339	ug/l		99
67) Ethyl Benzene	11.727	91	1560463	97.646	ug/l		98
68) m/p-Xylenes	11.837	106	1180270	196.185	ug/l		98
69) o-Xylene	12.166	106	571902	100.449	ug/l		98
70) Styrene	12.178	104	948526	97.850	ug/l		97
71) Bromoform	12.349	173	166090	107.703	ug/l	#	99
73) Isopropylbenzene	12.458	105	1460308	106.348	ug/l		100
74) N-amyl acetate	12.269	43	417442	112.451	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.708	83	310725	106.608	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	232716m	107.409	ug/l		
77) Bromobenzene	12.745	156	308168	103.725	ug/l		97
78) n-propylbenzene	12.800	91	1765379	104.679	ug/l		100
79) 2-Chlorotoluene	12.891	91	1046552	103.935	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1241824	107.831	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	110340	116.589	ug/l		96
82) 4-Chlorotoluene	12.989	91	1070989	101.386	ug/l		100
83) tert-Butylbenzene	13.202	119	1052310	107.273	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	1198796	102.845	ug/l		99
85) sec-Butylbenzene	13.379	105	1502744	102.008	ug/l		98
86) p-Isopropyltoluene	13.495	119	1283789	105.433	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	625716	101.175	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	614573	101.442	ug/l		98
89) n-Butylbenzene	13.818	91	1255431	105.103	ug/l		99
90) Hexachloroethane	14.092	117	225644	107.168	ug/l		92
91) 1,2-Dichlorobenzene	13.867	146	570249	104.043	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	57065	108.370	ug/l		98
93) 1,2,4-Trichlorobenzene	15.129	180	370704	112.151	ug/l		89
94) Hexachlorobutadiene	15.226	225	166160	106.085	ug/l		99
95) Naphthalene	15.360	128	922104	113.469	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	329679	110.082	ug/l		91

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

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

ICAL Form

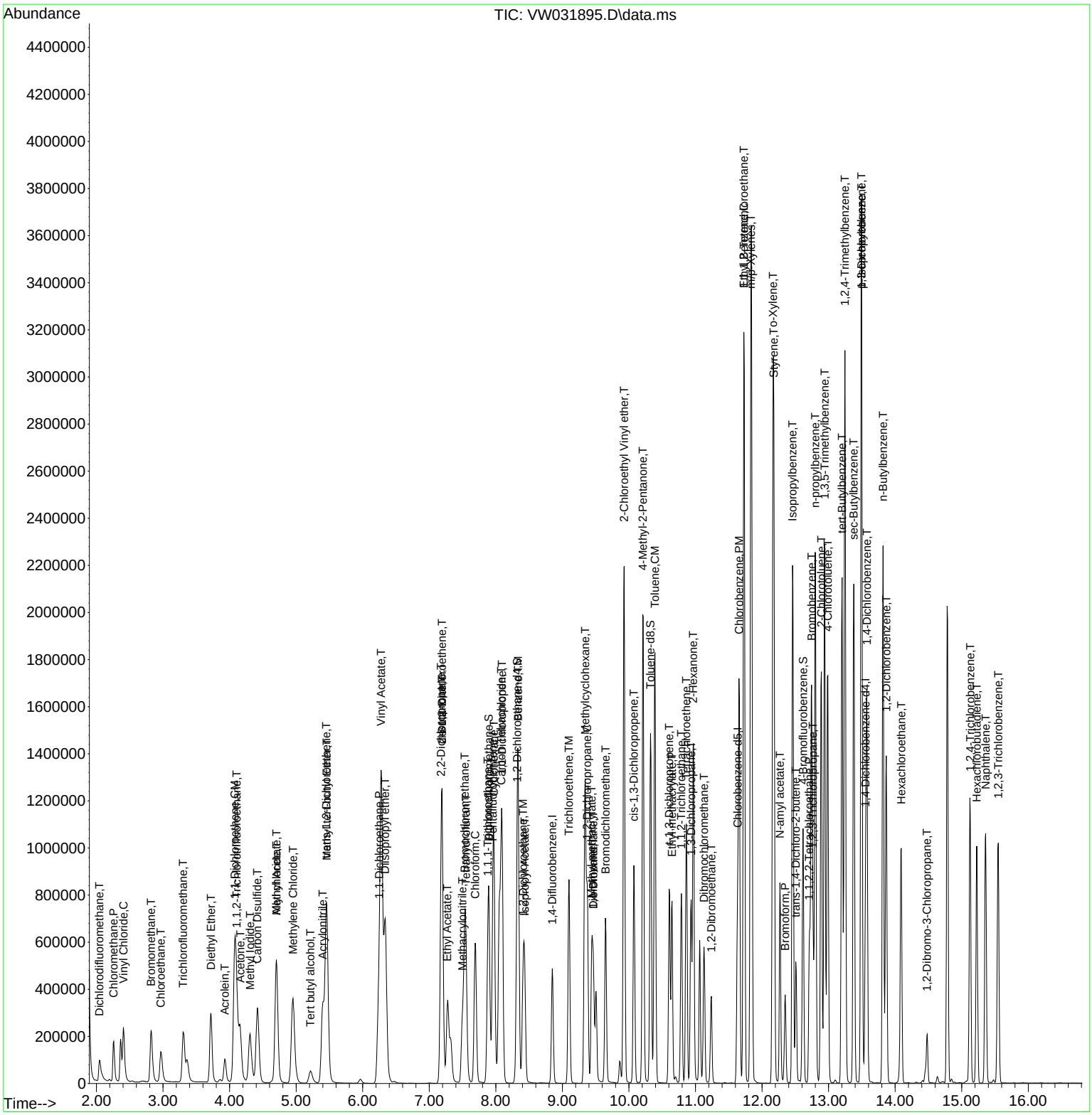
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	220427	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	410405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	361839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	160923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	453594	136.031	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 272.060%#			
35) Dibromofluoromethane	7.898	113	399487	143.249	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 286.500%#			
50) Toluene-d8	10.324	98	1482591	140.469	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 280.940%#			
62) 4-Bromofluorobenzene	12.617	95	556999	137.437	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 274.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	236321	144.250	ug/l	97
3) Chloromethane	2.259	50	329540	156.720	ug/l	98
4) Vinyl Chloride	2.411	62	412456	151.000	ug/l	99
5) Bromomethane	2.820	94	302212	150.249	ug/l	100
6) Chloroethane	2.972	64	273738	151.843	ug/l	100
7) Trichlorofluoromethane	3.301	101	440230	159.125	ug/l	98
8) Diethyl Ether	3.722	74	261548	141.526	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	390066	146.583	ug/l	99
10) Methyl Iodide	4.307	142	595320	149.628	ug/l	99
11) Tert butyl alcohol	5.210	59	134310	685.235	ug/l	99
12) 1,1-Dichloroethene	4.076	96	442469	150.541	ug/l	93
13) Acrolein	3.929	56	164048	739.113	ug/l	99
14) Allyl chloride	4.697	41	703862	153.834	ug/l	99
15) Acrylonitrile	5.399	53	594863	719.982	ug/l	99
16) Acetone	4.155	43	538491	680.547	ug/l	100
17) Carbon Disulfide	4.417	76	1189183	156.005	ug/l	98
18) Methyl Acetate	4.704	43	318191	145.961	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	688978	135.668	ug/l	98
20) Methylene Chloride	4.947	84	477228	150.364	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	470689	150.934	ug/l	96
22) Diisopropyl ether	6.337	45	1345510	146.962	ug/l	98
23) Vinyl Acetate	6.283	43	4440675	742.410	ug/l	99
24) 1,1-Dichloroethane	6.246	63	856816	150.310	ug/l	100
25) 2-Butanone	7.191	43	749073	691.906	ug/l	95
26) 2,2-Dichloropropane	7.185	77	489368	151.639	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	549658	149.926	ug/l	97
28) Bromochloromethane	7.526	49	350866	147.009	ug/l	97
29) Tetrahydrofuran	7.551	42	493192	694.835	ug/l	100
30) Chloroform	7.691	83	885019	148.076	ug/l	98
31) Cyclohexane	7.965	56	732101	143.155	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	682184	149.995	ug/l	98
36) 1,1-Dichloropropene	8.093	75	632279	147.634	ug/l	99
37) Ethyl Acetate	7.270	43	344416	140.974	ug/l	100
38) Carbon Tetrachloride	8.081	117	623463	151.686	ug/l	98
39) Methylcyclohexane	9.343	83	811686	150.600	ug/l	99
40) Benzene	8.337	78	1867656	147.317	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	204750	142.282	ug/l		96
42) 1,2-Dichloroethane	8.410	62	579516	142.827	ug/l		99
43) Isopropyl Acetate	8.435	43	643412	145.474	ug/l		99
44) Trichloroethene	9.099	130	452970	150.317	ug/l		98
45) 1,2-Dichloropropane	9.373	63	456144	149.396	ug/l		97
46) Dibromomethane	9.465	93	272269	143.854	ug/l		99
47) Bromodichloromethane	9.648	83	685853	151.120	ug/l		96
48) Methyl methacrylate	9.441	41	314142	149.293	ug/l		100
49) 1,4-Dioxane	9.459	88	56346	2983.527	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.209	43	1683322	695.441	ug/l		99
52) Toluene	10.392	92	1214012	148.962	ug/l		100
53) t-1,3-Dichloropropene	10.605	75	679932	156.179	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	759882	152.840	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	363045	144.405	ug/l		92
56) Ethyl methacrylate	10.648	69	540138	152.123	ug/l		99
57) 1,3-Dichloropropane	10.934	76	632065	142.707	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	1375316	754.091	ug/l		98
59) 2-Hexanone	10.971	43	1166153	693.111	ug/l		100
60) Dibromochloromethane	11.129	129	442293	150.890	ug/l		100
61) 1,2-Dibromoethane	11.239	107	357193	143.785	ug/l		97
64) Tetrachloroethene	10.867	164	350332	146.849	ug/l		96
65) Chlorobenzene	11.660	112	1308167	147.719	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.727	131	415946	151.507	ug/l		99
67) Ethyl Benzene	11.727	91	2319514	149.072	ug/l		97
68) m/p-Xylenes	11.836	106	1740273	297.100	ug/l		100
69) o-Xylene	12.166	106	846824	152.763	ug/l		99
70) Styrene	12.178	104	1419800	150.432	ug/l		99
71) Bromoform	12.349	173	228504	152.187	ug/l	#	99
73) Isopropylbenzene	12.458	105	2118035	151.692	ug/l		99
74) N-amyl acetate	12.269	43	565165	149.722	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	419030	141.385	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	310612m	140.986	ug/l		
77) Bromobenzene	12.745	156	452752	149.865	ug/l		95
78) n-propylbenzene	12.800	91	2550787	148.745	ug/l		98
79) 2-Chlorotoluene	12.891	91	1538753	150.285	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1765381	150.754	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.513	75	151238	157.156	ug/l		96
82) 4-Chlorotoluene	12.983	91	1582046	147.284	ug/l		98
83) tert-Butylbenzene	13.202	119	1484103	148.784	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	1754255	148.004	ug/l		99
85) sec-Butylbenzene	13.379	105	2245185	149.881	ug/l		99
86) p-Isopropyltoluene	13.495	119	1828574	147.687	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	897163	142.664	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	860596	139.697	ug/l		97
89) n-Butylbenzene	13.818	91	1809075	148.944	ug/l		97
90) Hexachloroethane	14.086	117	338316	158.018	ug/l		89
91) 1,2-Dichlorobenzene	13.867	146	794424	142.542	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	77276	144.321	ug/l		98
93) 1,2,4-Trichlorobenzene	15.122	180	487461	145.031	ug/l		93
94) Hexachlorobutadiene	15.226	225	234457	147.210	ug/l		96
95) Naphthalene	15.360	128	1247633	150.984	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	444087	145.827	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
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 :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

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

ICAL Form

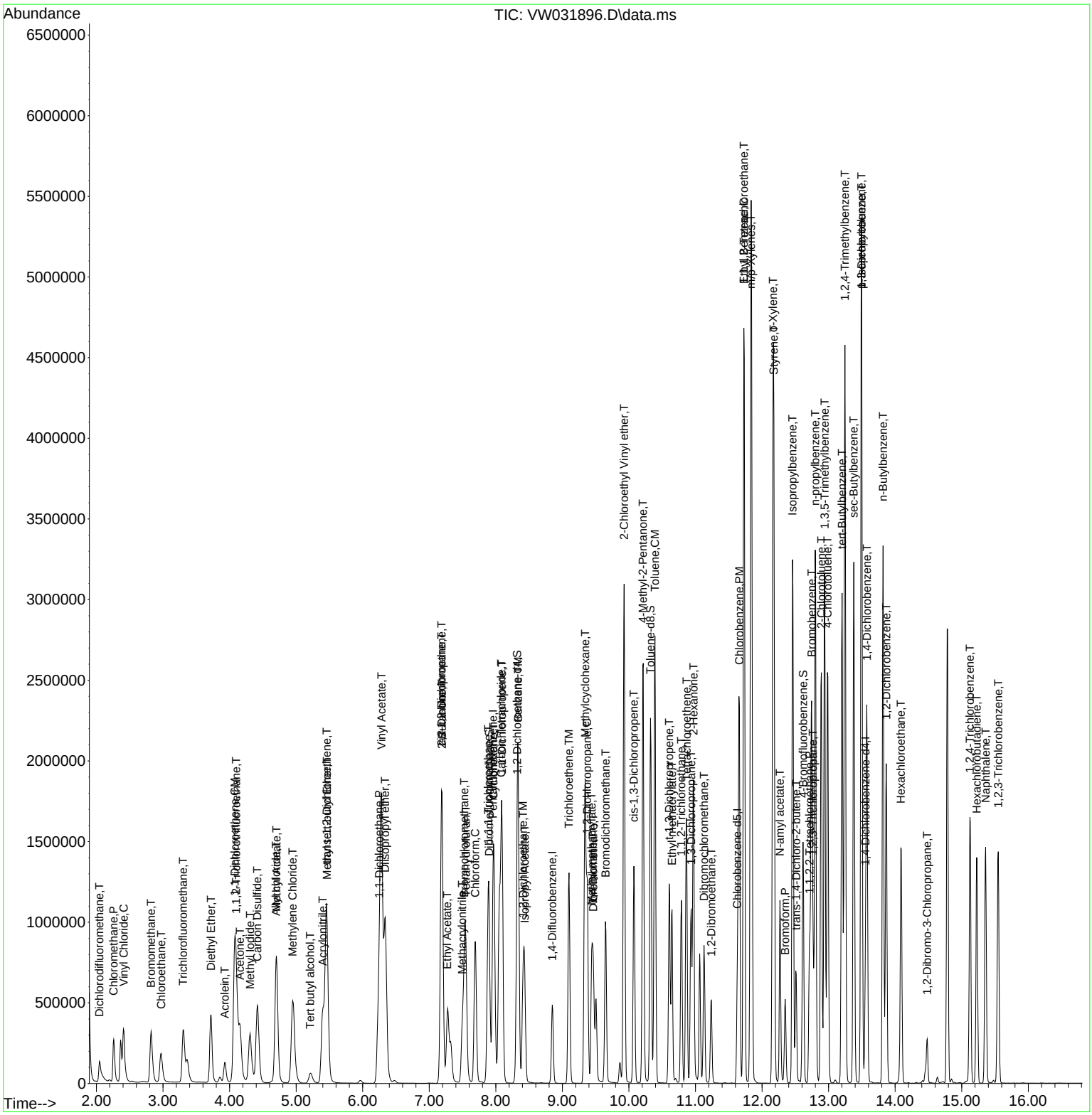
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.953	168	226226	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	417980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	364156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	154942	45.275	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 90.560%			
35) Dibromofluoromethane	7.898	113	131485	46.294	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 92.580%			
50) Toluene-d8	10.325	98	495878	46.131	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 92.260%			
62) 4-Bromofluorobenzene	12.617	95	188746	45.728	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 91.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	79412	47.231	ug/l	97
3) Chloromethane	2.253	50	104231	48.299	ug/l	96
4) Vinyl Chloride	2.405	62	136473	48.682	ug/l	99
5) Bromomethane	2.826	94	98945	47.931	ug/l	99
6) Chloroethane	2.972	64	89035	48.122	ug/l	98
7) Trichlorofluoromethane	3.308	101	134264	47.287	ug/l	100
8) Diethyl Ether	3.722	74	88950	46.898	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	131248	48.057	ug/l	99
10) Methyl Iodide	4.314	142	194455	47.621	ug/l	100
11) Tert butyl alcohol	5.216	59	55051	273.664	ug/l	100
12) 1,1-Dichloroethene	4.076	96	146332	48.510	ug/l	98
13) Acrolein	3.929	56	66037	243.737	ug/l	99
14) Allyl chloride	4.704	41	227478	48.442	ug/l	99
15) Acrylonitrile	5.405	53	213745	252.071	ug/l	99
16) Acetone	4.161	43	212311	261.441	ug/l	99
17) Carbon Disulfide	4.417	76	383835	49.063	ug/l	97
18) Methyl Acetate	4.710	43	116092	51.889	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	262205	50.308	ug/l	97
20) Methylene Chloride	4.948	84	170521	49.004	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	154329	48.220	ug/l	98
22) Diisopropyl ether	6.338	45	458677	48.814	ug/l	96
23) Vinyl Acetate	6.277	43	1580961	257.536	ug/l	98
24) 1,1-Dichloroethane	6.246	63	285778	48.848	ug/l	99
25) 2-Butanone	7.191	43	295784	266.207	ug/l	98
26) 2,2-Dichloropropane	7.185	77	159426	48.135	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	183416	48.747	ug/l	97
28) Bromochloromethane	7.526	49	120307	49.115	ug/l	98
29) Tetrahydrofuran	7.551	42	189833	260.591	ug/l	99
30) Chloroform	7.691	83	305201	49.755	ug/l	99
31) Cyclohexane	7.971	56	246141	46.897	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	227258	48.687	ug/l	99
36) 1,1-Dichloropropene	8.093	75	216329	49.596	ug/l	98
37) Ethyl Acetate	7.270	43	126677	50.911	ug/l	99
38) Carbon Tetrachloride	8.087	117	205709	49.141	ug/l	96
39) Methylcyclohexane	9.343	83	279446	50.909	ug/l	96
40) Benzene	8.331	78	638121	49.422	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	73360	49.252	ug/l		95
42) 1,2-Dichloroethane	8.410	62	203485	49.242	ug/l		100
43) Isopropyl Acetate	8.435	43	233100	51.748	ug/l		100
44) Trichloroethene	9.099	130	150370	48.996	ug/l		97
45) 1,2-Dichloropropane	9.374	63	151921	48.855	ug/l		97
46) Dibromomethane	9.465	93	96302	49.959	ug/l		97
47) Bromodichloromethane	9.648	83	233260	50.465	ug/l		99
48) Methyl methacrylate	9.441	41	111759	52.150	ug/l		99
49) 1,4-Dioxane	9.465	88	20081	1044.021	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.209	43	646271	262.159	ug/l		100
52) Toluene	10.392	92	411023	49.520	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	227133	51.226	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	256794	50.715	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	128088	50.025	ug/l		91
56) Ethyl methacrylate	10.648	69	190747	52.748	ug/l		99
57) 1,3-Dichloropropane	10.934	76	226448	50.201	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	495366	266.689	ug/l		98
59) 2-Hexanone	10.965	43	463102	270.260	ug/l		100
60) Dibromochloromethane	11.129	129	148718	49.816	ug/l		99
61) 1,2-Dibromoethane	11.233	107	125012	49.410	ug/l		97
64) Tetrachloroethene	10.867	164	116825	48.658	ug/l		92
65) Chlorobenzene	11.660	112	424231	47.600	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.727	131	143748	52.026	ug/l		97
67) Ethyl Benzene	11.733	91	772618	49.339	ug/l		98
68) m/p-Xylenes	11.837	106	582795	98.862	ug/l		98
69) o-Xylene	12.166	106	286822	51.412	ug/l		98
70) Styrene	12.178	104	477401	50.260	ug/l		98
71) Bromoform	12.343	173	78568	51.994	ug/l	#	97
73) Isopropylbenzene	12.458	105	737512	49.484	ug/l		100
74) N-amyl acetate	12.269	43	211747	52.553	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.708	83	157475	49.778	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	112806m	47.566	ug/l		
77) Bromobenzene	12.745	156	160635	49.814	ug/l		94
78) n-propylbenzene	12.800	91	901700	49.260	ug/l		99
79) 2-Chlorotoluene	12.891	91	535719	49.018	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	626726	50.139	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	53527	52.109	ug/l		98
82) 4-Chlorotoluene	12.983	91	560575	48.892	ug/l		99
83) tert-Butylbenzene	13.202	119	530770	49.850	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	621802	49.148	ug/l		99
85) sec-Butylbenzene	13.379	105	802831	50.210	ug/l		100
86) p-Isopropyltoluene	13.489	119	664260	50.261	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	316200	47.106	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	320113	48.681	ug/l		98
89) n-Butylbenzene	13.818	91	638513	49.250	ug/l		98
90) Hexachloroethane	14.086	117	113450	49.643	ug/l		95
91) 1,2-Dichlorobenzene	13.867	146	286039	48.082	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	28523	49.905	ug/l		97
93) 1,2,4-Trichlorobenzene	15.129	180	177038	49.346	ug/l		93
94) Hexachlorobutadiene	15.232	225	78966	46.450	ug/l		92
95) Naphthalene	15.360	128	462913	52.482	ug/l		98
96) 1,2,3-Trichlorobenzene	15.543	180	164194	50.512	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

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

ICAL Form

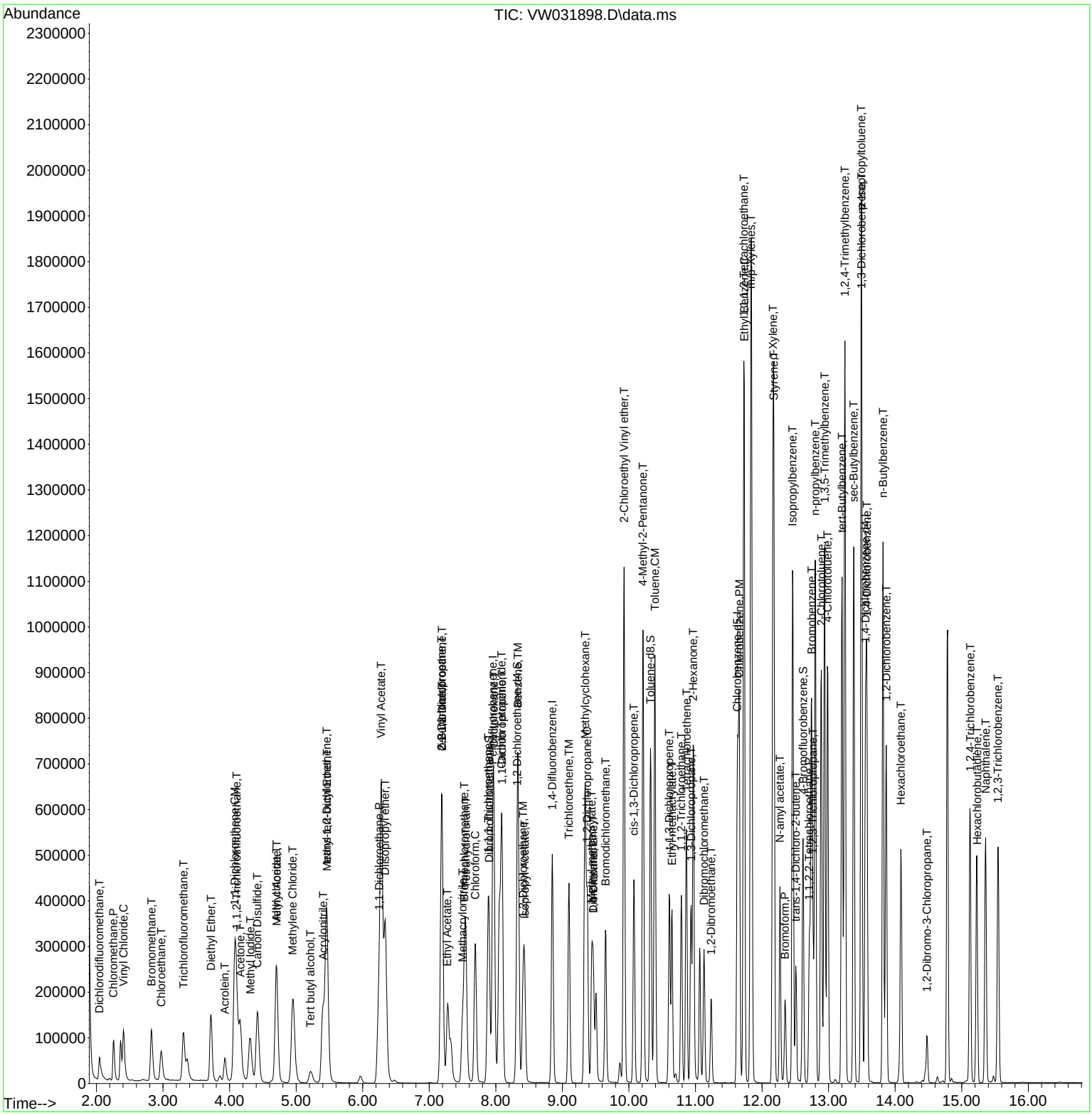
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 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	100	-0.01
2	T	Dichlorodifluoromethane	0.372	0.351	5.6	98	0.00
3	P	Chloromethane	0.477	0.461	3.4	107	0.00
4	C	Vinyl Chloride	0.620	0.603	2.7#	99	0.00
5	T	Bromomethane	0.456	0.437	4.2	101	0.00
6	T	Chloroethane	0.409	0.394	3.7	101	0.00
7	T	Trichlorofluoromethane	0.628	0.593	5.6	88	0.00
8	T	Diethyl Ether	0.419	0.393	6.2	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.604	0.580	4.0	99	0.00
10	T	Methyl Iodide	0.902	0.860	4.7	100	0.00
11	T	Tert butyl alcohol	0.044	0.049	-11.4	112	0.00
12	CM	1,1-Dichloroethene	0.667	0.647	3.0#	101	0.00
13	T	Acrolein	0.065	0.058	10.8	111	-0.01
14	T	Allyl chloride	1.038	1.006	3.1	100	0.00
15	T	Acrylonitrile	0.187	0.189	-1.1	104	0.00
16	T	Acetone	0.179	0.188	-5.0	114	0.00
17	T	Carbon Disulfide	1.729	1.697	1.9	101	0.00
18	T	Methyl Acetate	0.494	0.513	-3.8	109	0.00
19	T	Methyl tert-butyl Ether	1.152	1.159	-0.6	103	0.00
20	T	Methylene Chloride	0.944	0.754	20.1	100	0.00
21	T	trans-1,2-Dichloroethene	0.707	0.682	3.5	99	0.00
22	T	Diisopropyl ether	2.077	2.028	2.4	99	0.00
23	T	Vinyl Acetate	1.357	1.398	-3.0	104	-0.01
24	P	1,1-Dichloroethane	1.293	1.263	2.3	100	0.00
25	T	2-Butanone	0.246	0.261	-6.1	111	0.00
26	T	2,2-Dichloropropane	0.732	0.705	3.7	96	0.00
27	T	cis-1,2-Dichloroethene	0.832	0.811	2.5	99	0.00
28	T	Bromochloromethane	0.541	0.532	1.7	102	0.00
29	T	Tetrahydrofuran	0.161	0.168	-4.3	106	0.00
30	C	Chloroform	1.356	1.349	0.5#	103	0.00
31	T	Cyclohexane	1.160	1.088	6.2	99	0.00
32	T	1,1,1-Trichloroethane	1.032	1.005	2.6	100	0.00
33	S	1,2-Dichloroethane-d4	0.756	0.685	9.4	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35	S	Dibromofluoromethane	0.340	0.315	7.4	96	0.00
36	T	1,1-Dichloropropene	0.522	0.518	0.8	101	0.00
37	T	Ethyl Acetate	0.298	0.303	-1.7	102	0.00
38	T	Carbon Tetrachloride	0.501	0.492	1.8	100	0.00
39	T	Methylcyclohexane	0.657	0.669	-1.8	102	0.00
40	TM	Benzene	1.545	1.527	1.2	100	0.00
41	T	Methacrylonitrile	0.178	0.176	1.1	98	0.00
42	TM	1,2-Dichloroethane	0.494	0.487	1.4	101	0.00
43	T	Isopropyl Acetate	0.539	0.558	-3.5	105	0.00
44	TM	Trichloroethene	0.367	0.360	1.9	99	0.00
45	C	1,2-Dichloropropane	0.372	0.363	2.4#	101	0.00
46	T	Dibromomethane	0.231	0.230	0.4	102	0.00
47	T	Bromodichloromethane	0.553	0.558	-0.9	104	0.00
48	T	Methyl methacrylate	0.256	0.267	-4.3	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 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	0.002	0.002	0.0	92	0.00
50	S	Toluene-d8	1.286	1.186	7.8	97	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.309	-4.7	105	0.00
52	CM	Toluene	0.993	0.983	1.0#	100	0.00
53	T	t-1,3-Dichloropropene	0.530	0.543	-2.5	104	0.00
54	T	cis-1,3-Dichloropropene	0.606	0.614	-1.3	102	0.00
55	T	1,1,2-Trichloroethane	0.306	0.306	0.0	102	0.00
56	T	Ethyl methacrylate	0.433	0.456	-5.3	103	0.00
57	T	1,3-Dichloropropane	0.540	0.542	-0.4	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.222	0.237	-6.8	106	0.00
59	T	2-Hexanone	0.205	0.222	-8.3	108	0.00
60	T	Dibromochloromethane	0.357	0.356	0.3	101	0.00
61	T	1,2-Dibromoethane	0.303	0.299	1.3	101	0.00
62	S	4-Bromofluorobenzene	0.494	0.452	8.5	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.330	0.321	2.7	101	0.00
65	PM	Chlorobenzene	1.224	1.165	4.8	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.395	-4.2	106	0.00
67	C	Ethyl Benzene	2.150	2.122	1.3#	97	0.00
68	T	m/p-Xylenes	0.809	0.800	1.1	99	0.00
69	T	o-Xylene	0.766	0.788	-2.9	101	0.00
70	T	Styrene	1.304	1.311	-0.5	98	0.00
71	P	Bromoform	0.207	0.216	-4.3	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	4.338	4.294	1.0	99	0.00
74	T	N-amyl acetate	1.173	1.233	-5.1	105	0.00
75	P	1,1,2,2-Tetrachloroethane	0.921	0.917	0.4	102	0.00
76	T	1,2,3-Trichloropropane	0.690	0.657	4.8	97	0.00
77	T	Bromobenzene	0.939	0.935	0.4	105	0.00
78	T	n-propylbenzene	5.328	5.249	1.5	100	0.00
79	T	2-Chlorotoluene	3.181	3.119	1.9	101	0.00
80	T	1,3,5-Trimethylbenzene	3.638	3.649	-0.3	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.299	0.312	-4.3	106	0.00
82	T	4-Chlorotoluene	3.337	3.264	2.2	101	0.00
83	T	tert-Butylbenzene	3.099	3.090	0.3	102	0.00
84	T	1,2,4-Trimethylbenzene	3.683	3.620	1.7	100	0.00
85	T	sec-Butylbenzene	4.654	4.674	-0.4	103	0.00
86	T	p-Isopropyltoluene	3.847	3.867	-0.5	102	0.00
87	T	1,3-Dichlorobenzene	1.954	1.841	5.8	98	0.00
88	T	1,4-Dichlorobenzene	1.914	1.864	2.6	104	0.00
89	T	n-Butylbenzene	3.774	3.717	1.5	99	0.00
90	T	Hexachloroethane	0.665	0.660	0.8	104	0.00
91	T	1,2-Dichlorobenzene	1.732	1.665	3.9	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.166	0.166	0.0	105	0.00
93	T	1,2,4-Trichlorobenzene	1.044	1.031	1.2	107	0.00
94	T	Hexachlorobutadiene	0.495	0.460	7.1	96	0.00
95	T	Naphthalene	2.567	2.695	-5.0	108	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 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	0.946	0.956	-1.1	104	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 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	100	-0.01
2	T	Dichlorodifluoromethane	50.000	47.231	5.5	98	0.00
3	P	Chloromethane	50.000	48.299	3.4	107	0.00
4	C	Vinyl Chloride	50.000	48.682	2.6#	99	0.00
5	T	Bromomethane	50.000	47.931	4.1	101	0.00
6	T	Chloroethane	50.000	48.122	3.8	101	0.00
7	T	Trichlorofluoromethane	50.000	47.287	5.4	88	0.00
8	T	Diethyl Ether	50.000	46.898	6.2	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.057	3.9	99	0.00
10	T	Methyl Iodide	50.000	47.621	4.8	100	0.00
11	T	Tert butyl alcohol	250.000	273.664	-9.5	112	0.00
12	CM	1,1-Dichloroethene	50.000	48.510	3.0#	101	0.00
13	T	Acrolein	250.000	243.737	2.5	111	-0.01
14	T	Allyl chloride	50.000	48.442	3.1	100	0.00
15	T	Acrylonitrile	250.000	252.071	-0.8	104	0.00
16	T	Acetone	250.000	261.441	-4.6	114	0.00
17	T	Carbon Disulfide	50.000	49.063	1.9	101	0.00
18	T	Methyl Acetate	50.000	51.889	-3.8	109	0.00
19	T	Methyl tert-butyl Ether	50.000	50.308	-0.6	103	0.00
20	T	Methylene Chloride	50.000	49.004	2.0	100	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.220	3.6	99	0.00
22	T	Diisopropyl ether	50.000	48.814	2.4	99	0.00
23	T	Vinyl Acetate	250.000	257.536	-3.0	104	-0.01
24	P	1,1-Dichloroethane	50.000	48.848	2.3	100	0.00
25	T	2-Butanone	250.000	266.207	-6.5	111	0.00
26	T	2,2-Dichloropropane	50.000	48.135	3.7	96	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.747	2.5	99	0.00
28	T	Bromochloromethane	50.000	49.115	1.8	102	0.00
29	T	Tetrahydrofuran	250.000	260.591	-4.2	106	0.00
30	C	Chloroform	50.000	49.755	0.5#	103	0.00
31	T	Cyclohexane	50.000	46.897	6.2	99	0.00
32	T	1,1,1-Trichloroethane	50.000	48.687	2.6	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.275	9.5	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35	S	Dibromofluoromethane	50.000	46.294	7.4	96	0.00
36	T	1,1-Dichloropropene	50.000	49.596	0.8	101	0.00
37	T	Ethyl Acetate	50.000	50.911	-1.8	102	0.00
38	T	Carbon Tetrachloride	50.000	49.141	1.7	100	0.00
39	T	Methylcyclohexane	50.000	50.909	-1.8	102	0.00
40	TM	Benzene	50.000	49.422	1.2	100	0.00
41	T	Methacrylonitrile	50.000	49.252	1.5	98	0.00
42	TM	1,2-Dichloroethane	50.000	49.242	1.5	101	0.00
43	T	Isopropyl Acetate	50.000	51.748	-3.5	105	0.00
44	TM	Trichloroethene	50.000	48.996	2.0	99	0.00
45	C	1,2-Dichloropropane	50.000	48.855	2.3#	101	0.00
46	T	Dibromomethane	50.000	49.959	0.1	102	0.00
47	T	Bromodichloromethane	50.000	50.465	-0.9	104	0.00
48	T	Methyl methacrylate	50.000	52.150	-4.3	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 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	1044.021	-4.4	92	0.00
50	S	Toluene-d8	50.000	46.131	7.7	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	262.159	-4.9	105	0.00
52	CM	Toluene	50.000	49.520	1.0#	100	0.00
53	T	t-1,3-Dichloropropene	50.000	51.226	-2.5	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.715	-1.4	102	0.00
55	T	1,1,2-Trichloroethane	50.000	50.025	-0.0	102	0.00
56	T	Ethyl methacrylate	50.000	52.748	-5.5	103	0.00
57	T	1,3-Dichloropropane	50.000	50.201	-0.4	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	266.689	-6.7	106	0.00
59	T	2-Hexanone	250.000	270.260	-8.1	108	0.00
60	T	Dibromochloromethane	50.000	49.816	0.4	101	0.00
61	T	1,2-Dibromoethane	50.000	49.410	1.2	101	0.00
62	S	4-Bromofluorobenzene	50.000	45.728	8.5	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	48.658	2.7	101	0.00
65	PM	Chlorobenzene	50.000	47.600	4.8	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.026	-4.1	106	0.00
67	C	Ethyl Benzene	50.000	49.339	1.3#	97	0.00
68	T	m/p-Xylenes	100.000	98.862	1.1	99	0.00
69	T	o-Xylene	50.000	51.412	-2.8	101	0.00
70	T	Styrene	50.000	50.260	-0.5	98	0.00
71	P	Bromoform	50.000	51.994	-4.0	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	49.484	1.0	99	0.00
74	T	N-amyl acetate	50.000	52.553	-5.1	105	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.778	0.4	102	0.00
76	T	1,2,3-Trichloropropane	50.000	47.566	4.9	97	0.00
77	T	Bromobenzene	50.000	49.814	0.4	105	0.00
78	T	n-propylbenzene	50.000	49.260	1.5	100	0.00
79	T	2-Chlorotoluene	50.000	49.018	2.0	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.139	-0.3	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.109	-4.2	106	0.00
82	T	4-Chlorotoluene	50.000	48.892	2.2	101	0.00
83	T	tert-Butylbenzene	50.000	49.850	0.3	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.148	1.7	100	0.00
85	T	sec-Butylbenzene	50.000	50.210	-0.4	103	0.00
86	T	p-Isopropyltoluene	50.000	50.261	-0.5	102	0.00
87	T	1,3-Dichlorobenzene	50.000	47.106	5.8	98	0.00
88	T	1,4-Dichlorobenzene	50.000	48.681	2.6	104	0.00
89	T	n-Butylbenzene	50.000	49.250	1.5	99	0.00
90	T	Hexachloroethane	50.000	49.643	0.7	104	0.00
91	T	1,2-Dichlorobenzene	50.000	48.082	3.8	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.905	0.2	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.346	1.3	107	0.00
94	T	Hexachlorobutadiene	50.000	46.450	7.1	96	0.00
95	T	Naphthalene	50.000	52.482	-5.0	108	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 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	50.512	-1.0	104	0.00

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

Raw Data: **VW031987.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: SCIA01
Lab Code: ACE
SDG No.: Q2758
Instrument ID: MSVOA_W
Calibration Date/Time: 08/04/2025 09:24
Lab File ID: VW031987.D
Init. Calib. Date(s): 07/22/2025 07/22/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:05 12:00
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.372	0.350		-5.91	20
Chloromethane	0.477	0.475	0.1	-0.42	20
Vinyl Chloride	0.620	0.591		-4.68	20
Bromomethane	0.456	0.449		-1.53	20
Chloroethane	0.409	0.406		-0.73	20
Trichlorofluoromethane	0.628	0.548		-12.74	20
1,1,2-Trichlorotrifluoroethane	0.604	0.586		-2.98	20
1,1-Dichloroethene	0.667	0.641		-3.9	20
Acetone	0.179	0.181		1.12	20
Carbon Disulfide	1.729	1.772		2.49	20
Methyl tert-butyl Ether	1.152	1.181		2.52	20
Methyl Acetate	0.494	0.497		0.61	20
Methylene Chloride	0.944	0.702		-25.64	20
trans-1,2-Dichloroethene	0.707	0.687		-2.83	20
1,1-Dichloroethane	1.293	1.249	0.1	-3.4	20
Cyclohexane	1.160	1.053		-9.22	20
2-Butanone	0.246	0.243		-1.22	20
Carbon Tetrachloride	0.501	0.511		2	20
cis-1,2-Dichloroethene	0.832	0.815		-2.04	20
Bromochloromethane	0.541	0.463		-14.42	20
Chloroform	1.356	1.335		-1.55	20
1,1,1-Trichloroethane	1.032	1.017		-1.45	20
Methylcyclohexane	0.657	0.678		3.2	20
Benzene	1.545	1.582		2.39	20
1,2-Dichloroethane	0.494	0.493		-0.2	20
Trichloroethene	0.367	0.369		0.55	20
1,2-Dichloropropane	0.372	0.382		2.69	20
Bromodichloromethane	0.553	0.576		4.16	20
4-Methyl-2-Pentanone	0.295	0.309		4.75	20
Toluene	0.993	1.037		4.43	20
t-1,3-Dichloropropene	0.530	0.560		5.66	20
cis-1,3-Dichloropropene	0.606	0.634		4.62	20
1,1,2-Trichloroethane	0.306	0.321		4.9	20
2-Hexanone	0.205	0.217		5.85	20
Dibromochloromethane	0.357	0.393		10.08	20
1,2-Dibromoethane	0.303	0.310		2.31	20
Tetrachloroethene	0.330	0.344		4.24	20
Chlorobenzene	1.224	1.223	0.3	-0.08	20

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

Raw Data: **VW031987.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: SCIA01

Lab Code: ACE SDG No.: Q2758

Instrument ID: MSVOA_W Calibration Date/Time: 08/04/2025 09:24

Lab File ID: VW031987.D Init. Calib. Date(s): 07/22/2025 07/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:05 12:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.150	2.163		0.61	20
m/p-Xylenes	0.809	0.831		2.72	20
o-Xylene	0.766	0.792		3.39	20
Styrene	1.304	1.338		2.61	20
Bromoform	0.207	0.226	0.1	9.18	20
Isopropylbenzene	4.338	4.507		3.9	20
1,1,2,2-Tetrachloroethane	0.921	0.973	0.3	5.65	20
1,3-Dichlorobenzene	1.954	2.038		4.3	20
1,4-Dichlorobenzene	1.914	2.031		6.11	20
1,2-Dichlorobenzene	1.732	1.763		1.79	20
1,2-Dibromo-3-Chloropropane	0.166	0.174		4.82	20
1,2,4-Trichlorobenzene	1.044	1.086		4.02	20
1,2,3-Trichlorobenzene	0.946	0.997		5.39	20
1,2-Dichloroethane-d4	0.756	0.691		-8.6	20
Dibromofluoromethane	0.340	0.330		-2.94	20
Toluene-d8	1.286	1.324		2.95	20
4-Bromofluorobenzene	0.494	0.478		-3.24	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\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	244933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	432425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	389959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	169357	45.708	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 91.420%			
35) Dibromofluoromethane	7.898	113	142737	48.577	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.160%			
50) Toluene-d8	10.325	98	572419	51.473	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.940%			
62) 4-Bromofluorobenzene	12.617	95	206626	48.388	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 96.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	85662	47.057	ug/l	99
3) Chloromethane	2.253	50	116271	49.763	ug/l	98
4) Vinyl Chloride	2.405	62	144777	47.700	ug/l	98
5) Bromomethane	2.820	94	110024	49.227	ug/l	98
6) Chloroethane	2.966	64	99457	49.649	ug/l	99
7) Trichlorofluoromethane	3.302	101	134184	43.649	ug/l	98
8) Diethyl Ether	3.716	74	97132	47.301	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	143414	48.501	ug/l	97
10) Methyl Iodide	4.301	142	218134	49.340	ug/l	98
11) Tert butyl alcohol	5.228	59	54985	252.460	ug/l #	85
12) 1,1-Dichloroethene	4.076	96	156905	48.043	ug/l	93
13) Acrolein	3.936	56	16608	46.885	ug/l	97
14) Allyl chloride	4.698	41	245709	48.328	ug/l	99
15) Acrylonitrile	5.399	53	221867	241.666	ug/l	99
16) Acetone	4.167	43	222267	252.797	ug/l	98
17) Carbon Disulfide	4.411	76	434050	51.244	ug/l	99
18) Methyl Acetate	4.710	43	121653	50.222	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	289199	51.249	ug/l	94
20) Methylene Chloride	4.948	84	171869	45.265	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	168346	48.582	ug/l	98
22) Diisopropyl ether	6.338	45	491457	48.308	ug/l	98
23) Vinyl Acetate	6.277	43	1647152	247.825	ug/l	99
24) 1,1-Dichloroethane	6.240	63	305835	48.284	ug/l	99
25) 2-Butanone	7.191	43	297250	247.094	ug/l	97
26) 2,2-Dichloropropane	7.185	77	174317	48.611	ug/l	96
27) cis-1,2-Dichloroethene	7.185	96	199527	48.978	ug/l	99
28) Bromochloromethane	7.527	49	113318	42.729	ug/l	93
29) Tetrahydrofuran	7.551	42	192017	243.457	ug/l	99
30) Chloroform	7.691	83	327064	49.247	ug/l	100
31) Cyclohexane	7.965	56	258034	45.408	ug/l	98
32) 1,1,1-Trichloroethane	7.880	97	249005	49.272	ug/l	98
36) 1,1-Dichloropropene	8.093	75	228003	50.527	ug/l	100
37) Ethyl Acetate	7.270	43	124924	48.529	ug/l	99
38) Carbon Tetrachloride	8.081	117	221044	51.041	ug/l	92
39) Methylcyclohexane	9.343	83	293104	51.613	ug/l	94
40) Benzene	8.331	78	684237	51.223	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	76296	49.512	ug/l		94
42) 1,2-Dichloroethane	8.410	62	212996	49.822	ug/l		98
43) Isopropyl Acetate	8.429	43	239547	51.403	ug/l		100
44) Trichloroethene	9.099	130	159542	50.248	ug/l		93
45) 1,2-Dichloropropane	9.374	63	165234	51.362	ug/l		98
46) Dibromomethane	9.465	93	103723	52.012	ug/l		100
47) Bromodichloromethane	9.648	83	249276	52.128	ug/l		96
48) Methyl methacrylate	9.441	41	115079	51.905	ug/l		98
49) 1,4-Dioxane	9.465	88	23290	1170.411	ug/l	#	85
51) 4-Methyl-2-Pentanone	10.209	43	667922	261.891	ug/l		99
52) Toluene	10.392	92	448483	52.228	ug/l		99
53) t-1,3-Dichloropropene	10.605	75	242170	52.793	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	274111	52.326	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	138672	52.349	ug/l		94
56) Ethyl methacrylate	10.648	69	203738	54.458	ug/l		96
57) 1,3-Dichloropropane	10.934	76	237448	50.881	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	272577	141.845	ug/l		100
59) 2-Hexanone	10.965	43	468504	264.279	ug/l		100
60) Dibromochloromethane	11.130	129	169737	54.958	ug/l		98
61) 1,2-Dibromoethane	11.233	107	134149	51.251	ug/l		97
64) Tetrachloroethene	10.861	164	134128	52.168	ug/l		91
65) Chlorobenzene	11.654	112	477060	49.985	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.727	131	153442	51.860	ug/l		99
67) Ethyl Benzene	11.727	91	843440	50.298	ug/l		99
68) m/p-Xylenes	11.837	106	648083	102.663	ug/l		95
69) o-Xylene	12.160	106	308857	51.699	ug/l		97
70) Styrene	12.178	104	521701	51.290	ug/l		99
71) Bromoform	12.349	173	88239	54.531	ug/l	#	100
73) Isopropylbenzene	12.459	105	780087	51.943	ug/l		98
74) N-amyl acetate	12.270	43	219672	54.105	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	168340	52.808	ug/l		98
76) 1,2,3-Trichloropropane	12.763	75	120635m	50.481	ug/l		
77) Bromobenzene	12.745	156	172345	53.039	ug/l		95
78) n-propylbenzene	12.800	91	967893	52.475	ug/l		100
79) 2-Chlorotoluene	12.885	91	571368	51.882	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	650913	51.678	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	57736	55.779	ug/l		94
82) 4-Chlorotoluene	12.983	91	594724	51.476	ug/l		100
83) tert-Butylbenzene	13.202	119	565841	52.740	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	663285	52.028	ug/l		99
85) sec-Butylbenzene	13.379	105	826119	51.273	ug/l		97
86) p-Isopropyltoluene	13.495	119	668872	50.226	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	352709	52.145	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	351606	53.064	ug/l		98
89) n-Butylbenzene	13.818	91	680026	52.053	ug/l		99
90) Hexachloroethane	14.086	117	122385	53.146	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	305187	50.911	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30095	52.255	ug/l		96
93) 1,2,4-Trichlorobenzene	15.123	180	187968	51.994	ug/l		96
94) Hexachlorobutadiene	15.226	225	92557	54.030	ug/l		96
95) Naphthalene	15.354	128	475796	53.533	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	172628	52.703	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

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

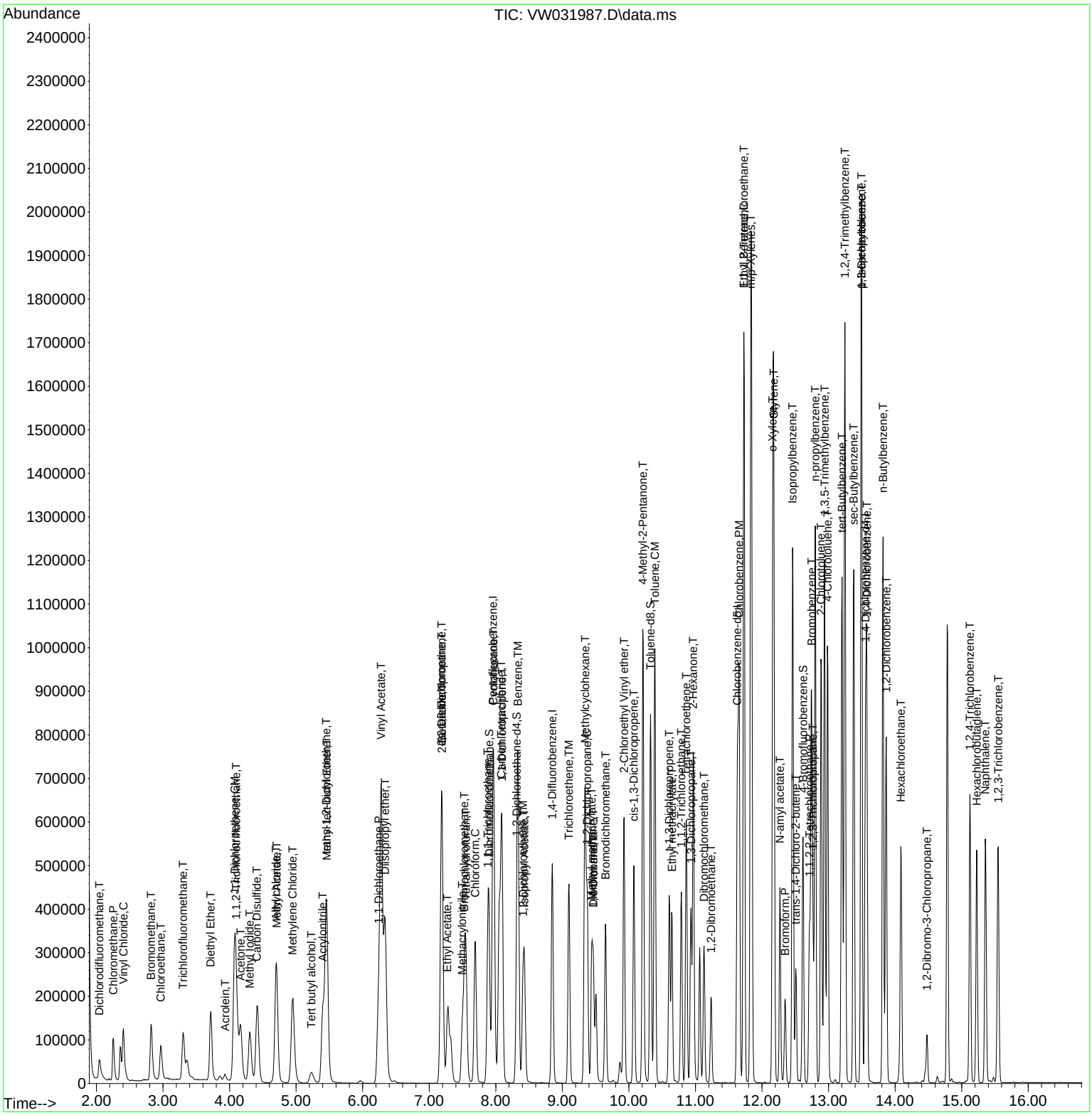
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025



Sample Results: **VW031987.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 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	109	0.00
2	T	Dichlorodifluoromethane	0.372	0.350	5.9	106	0.00
3	P	Chloromethane	0.477	0.475	0.4	119	0.00
4	C	Vinyl Chloride	0.620	0.591	4.7#	105	0.00
5	T	Bromomethane	0.456	0.449	1.5	112	-0.01
6	T	Chloroethane	0.409	0.406	0.7	113	-0.01
7	T	Trichlorofluoromethane	0.628	0.548	12.7	88	-0.01
8	T	Diethyl Ether	0.419	0.397	5.3	111	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.604	0.586	3.0	108	-0.01
10	T	Methyl Iodide	0.902	0.891	1.2	112	0.00
11	T	Tert butyl alcohol	0.044	0.045	-2.3	112	0.00
12	CM	1,1-Dichloroethene	0.667	0.641	3.9#	108	0.00
13	T	Acrolein	0.065	0.014	78.5#	28#	0.00
14	T	Allyl chloride	1.038	1.003	3.4	108	-0.01
15	T	Acrylonitrile	0.187	0.181	3.2	108	0.00
16	T	Acetone	0.179	0.181	-1.1	119	0.00
17	T	Carbon Disulfide	1.729	1.772	-2.5	114	-0.01
18	T	Methyl Acetate	0.494	0.497	-0.6	114	0.00
19	T	Methyl tert-butyl Ether	1.152	1.181	-2.5	114	0.00
20	T	Methylene Chloride	0.944	0.702	25.6#	101	0.00
21	T	trans-1,2-Dichloroethene	0.707	0.687	2.8	108	-0.01
22	T	Diisopropyl ether	2.077	2.006	3.4	106	0.00
23	T	Vinyl Acetate	1.357	1.345	0.9	108	-0.01
24	P	1,1-Dichloroethane	1.293	1.249	3.4	108	0.00
25	T	2-Butanone	0.246	0.243	1.2	112	0.00
26	T	2,2-Dichloropropane	0.732	0.712	2.7	105	0.00
27	T	cis-1,2-Dichloroethene	0.832	0.815	2.0	108	0.00
28	T	Bromochloromethane	0.541	0.463	14.4	96	0.00
29	T	Tetrahydrofuran	0.161	0.157	2.5	107	0.00
30	C	Chloroform	1.356	1.335	1.5#	111	0.00
31	T	Cyclohexane	1.160	1.053	9.2	104	0.00
32	T	1,1,1-Trichloroethane	1.032	1.017	1.5	109	0.00
33	S	1,2-Dichloroethane-d4	0.756	0.691	8.6	106	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35	S	Dibromofluoromethane	0.340	0.330	2.9	104	0.00
36	T	1,1-Dichloropropene	0.522	0.527	-1.0	107	0.00
37	T	Ethyl Acetate	0.298	0.289	3.0	101	0.00
38	T	Carbon Tetrachloride	0.501	0.511	-2.0	107	0.00
39	T	Methylcyclohexane	0.657	0.678	-3.2	107	0.00
40	TM	Benzene	1.545	1.582	-2.4	108	0.00
41	T	Methacrylonitrile	0.178	0.176	1.1	102	0.00
42	TM	1,2-Dichloroethane	0.494	0.493	0.2	106	0.00
43	T	Isopropyl Acetate	0.539	0.554	-2.8	108	0.00
44	TM	Trichloroethene	0.367	0.369	-0.5	105	0.00
45	C	1,2-Dichloropropane	0.372	0.382	-2.7#	110	0.00
46	T	Dibromomethane	0.231	0.240	-3.9	110	0.00
47	T	Bromodichloromethane	0.553	0.576	-4.2	111	0.00
48	T	Methyl methacrylate	0.256	0.266	-3.9	107	0.00

Sample Results: **VW031987.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 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	0.002	0.003	-50.0#	107	0.00
50	S	Toluene-d8	1.286	1.324	-3.0	112	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.309	-4.7	108	0.00
52	CM	Toluene	0.993	1.037	-4.4#	109	0.00
53	T	t-1,3-Dichloropropene	0.530	0.560	-5.7	111	0.00
54	T	cis-1,3-Dichloropropene	0.606	0.634	-4.6	109	0.00
55	T	1,1,2-Trichloroethane	0.306	0.321	-4.9	110	0.00
56	T	Ethyl methacrylate	0.433	0.471	-8.8	110	0.00
57	T	1,3-Dichloropropane	0.540	0.549	-1.7	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.222	0.126	43.2#	58	0.00
59	T	2-Hexanone	0.205	0.217	-5.9	109	0.00
60	T	Dibromochloromethane	0.357	0.393	-10.1	115	0.00
61	T	1,2-Dibromoethane	0.303	0.310	-2.3	108	0.00
62	S	4-Bromofluorobenzene	0.494	0.478	3.2	107	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64	T	Tetrachloroethene	0.330	0.344	-4.2	115	0.00
65	PM	Chlorobenzene	1.224	1.223	0.1	107	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.393	-3.7	113	0.00
67	C	Ethyl Benzene	2.150	2.163	-0.6#	106	0.00
68	T	m/p-Xylenes	0.809	0.831	-2.7	110	0.00
69	T	o-Xylene	0.766	0.792	-3.4	108	0.00
70	T	Styrene	1.304	1.338	-2.6	107	0.00
71	P	Bromoform	0.207	0.226	-9.2	113	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	4.338	4.507	-3.9	105	0.00
74	T	N-amyl acetate	1.173	1.269	-8.2	109	0.00
75	P	1,1,2,2-Tetrachloroethane	0.921	0.973	-5.6	109	0.00
76	T	1,2,3-Trichloropropane	0.690	0.697	-1.0	104	0.00
77	T	Bromobenzene	0.939	0.996	-6.1	112	0.00
78	T	n-propylbenzene	5.328	5.592	-5.0	108	0.00
79	T	2-Chlorotoluene	3.181	3.301	-3.8	108	0.00
80	T	1,3,5-Trimethylbenzene	3.638	3.761	-3.4	107	0.00
81	T	trans-1,4-Dichloro-2-butene	0.299	0.334	-11.7	114	0.00
82	T	4-Chlorotoluene	3.337	3.436	-3.0	107	0.00
83	T	tert-Butylbenzene	3.099	3.269	-5.5	109	0.00
84	T	1,2,4-Trimethylbenzene	3.683	3.832	-4.0	107	0.00
85	T	sec-Butylbenzene	4.654	4.773	-2.6	106	0.00
86	T	p-Isopropyltoluene	3.847	3.864	-0.4	103	0.00
87	T	1,3-Dichlorobenzene	1.954	2.038	-4.3	109	0.00
88	T	1,4-Dichlorobenzene	1.914	2.031	-6.1	114	0.00
89	T	n-Butylbenzene	3.774	3.929	-4.1	105	0.00
90	T	Hexachloroethane	0.665	0.707	-6.3	113	0.00
91	T	1,2-Dichlorobenzene	1.732	1.763	-1.8	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.166	0.174	-4.8	111	0.00
93	T	1,2,4-Trichlorobenzene	1.044	1.086	-4.0	113	0.00
94	T	Hexachlorobutadiene	0.495	0.535	-8.1	112	0.00
95	T	Naphthalene	2.567	2.749	-7.1	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 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	0.946	0.997	-5.4	109	0.00

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

Sample Results: **VW031987.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 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	109	0.00
2	T	Dichlorodifluoromethane	50.000	47.057	5.9	106	0.00
3	P	Chloromethane	50.000	49.763	0.5	119	0.00
4	C	Vinyl Chloride	50.000	47.700	4.6#	105	0.00
5	T	Bromomethane	50.000	49.227	1.5	112	-0.01
6	T	Chloroethane	50.000	49.649	0.7	113	-0.01
7	T	Trichlorofluoromethane	50.000	43.649	12.7	88	-0.01
8	T	Diethyl Ether	50.000	47.301	5.4	111	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.501	3.0	108	-0.01
10	T	Methyl Iodide	50.000	49.340	1.3	112	0.00
11	T	Tert butyl alcohol	250.000	252.460	-1.0	112	0.00
12	CM	1,1-Dichloroethene	50.000	48.043	3.9#	108	0.00
13	T	Acrolein	250.000	46.885	81.2#	28	0.00
14	T	Allyl chloride	50.000	48.328	3.3	108	-0.01
15	T	Acrylonitrile	250.000	241.666	3.3	108	0.00
16	T	Acetone	250.000	252.797	-1.1	119	0.00
17	T	Carbon Disulfide	50.000	51.244	-2.5	114	-0.01
18	T	Methyl Acetate	50.000	50.222	-0.4	114	0.00
19	T	Methyl tert-butyl Ether	50.000	51.249	-2.5	114	0.00
20	T	Methylene Chloride	50.000	45.265	9.5	101	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.582	2.8	108	-0.01
22	T	Diisopropyl ether	50.000	48.308	3.4	106	0.00
23	T	Vinyl Acetate	250.000	247.825	0.9	108	-0.01
24	P	1,1-Dichloroethane	50.000	48.284	3.4	108	0.00
25	T	2-Butanone	250.000	247.094	1.2	112	0.00
26	T	2,2-Dichloropropane	50.000	48.611	2.8	105	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.978	2.0	108	0.00
28	T	Bromochloromethane	50.000	42.729	14.5	96	0.00
29	T	Tetrahydrofuran	250.000	243.457	2.6	107	0.00
30	C	Chloroform	50.000	49.247	1.5#	111	0.00
31	T	Cyclohexane	50.000	45.408	9.2	104	0.00
32	T	1,1,1-Trichloroethane	50.000	49.272	1.5	109	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.708	8.6	106	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35	S	Dibromofluoromethane	50.000	48.577	2.8	104	0.00
36	T	1,1-Dichloropropene	50.000	50.527	-1.1	107	0.00
37	T	Ethyl Acetate	50.000	48.529	2.9	101	0.00
38	T	Carbon Tetrachloride	50.000	51.041	-2.1	107	0.00
39	T	Methylcyclohexane	50.000	51.613	-3.2	107	0.00
40	TM	Benzene	50.000	51.223	-2.4	108	0.00
41	T	Methacrylonitrile	50.000	49.512	1.0	102	0.00
42	TM	1,2-Dichloroethane	50.000	49.822	0.4	106	0.00
43	T	Isopropyl Acetate	50.000	51.403	-2.8	108	0.00
44	TM	Trichloroethene	50.000	50.248	-0.5	105	0.00
45	C	1,2-Dichloropropane	50.000	51.362	-2.7#	110	0.00
46	T	Dibromomethane	50.000	52.012	-4.0	110	0.00
47	T	Bromodichloromethane	50.000	52.128	-4.3	111	0.00
48	T	Methyl methacrylate	50.000	51.905	-3.8	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 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	1170.411	-17.0	107	0.00
50	S	Toluene-d8	50.000	51.473	-2.9	112	0.00
51	T	4-Methyl-2-Pentanone	250.000	261.891	-4.8	108	0.00
52	CM	Toluene	50.000	52.228	-4.5#	109	0.00
53	T	t-1,3-Dichloropropene	50.000	52.793	-5.6	111	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.326	-4.7	109	0.00
55	T	1,1,2-Trichloroethane	50.000	52.349	-4.7	110	0.00
56	T	Ethyl methacrylate	50.000	54.458	-8.9	110	0.00
57	T	1,3-Dichloropropane	50.000	50.881	-1.8	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	141.845	43.3#	58	0.00
59	T	2-Hexanone	250.000	264.279	-5.7	109	0.00
60	T	Dibromochloromethane	50.000	54.958	-9.9	115	0.00
61	T	1,2-Dibromoethane	50.000	51.251	-2.5	108	0.00
62	S	4-Bromofluorobenzene	50.000	48.388	3.2	107	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64	T	Tetrachloroethene	50.000	52.168	-4.3	115	0.00
65	PM	Chlorobenzene	50.000	49.985	0.0	107	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.860	-3.7	113	0.00
67	C	Ethyl Benzene	50.000	50.298	-0.6#	106	0.00
68	T	m/p-Xylenes	100.000	102.663	-2.7	110	0.00
69	T	o-Xylene	50.000	51.699	-3.4	108	0.00
70	T	Styrene	50.000	51.290	-2.6	107	0.00
71	P	Bromoform	50.000	54.531	-9.1	113	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	51.943	-3.9	105	0.00
74	T	N-amyl acetate	50.000	54.105	-8.2	109	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.808	-5.6	109	0.00
76	T	1,2,3-Trichloropropane	50.000	50.481	-1.0	104	0.00
77	T	Bromobenzene	50.000	53.039	-6.1	112	0.00
78	T	n-propylbenzene	50.000	52.475	-5.0	108	0.00
79	T	2-Chlorotoluene	50.000	51.882	-3.8	108	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.678	-3.4	107	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.779	-11.6	114	0.00
82	T	4-Chlorotoluene	50.000	51.476	-3.0	107	0.00
83	T	tert-Butylbenzene	50.000	52.740	-5.5	109	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.028	-4.1	107	0.00
85	T	sec-Butylbenzene	50.000	51.273	-2.5	106	0.00
86	T	p-Isopropyltoluene	50.000	50.226	-0.5	103	0.00
87	T	1,3-Dichlorobenzene	50.000	52.145	-4.3	109	0.00
88	T	1,4-Dichlorobenzene	50.000	53.064	-6.1	114	0.00
89	T	n-Butylbenzene	50.000	52.053	-4.1	105	0.00
90	T	Hexachloroethane	50.000	53.146	-6.3	113	0.00
91	T	1,2-Dichlorobenzene	50.000	50.911	-1.8	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.255	-4.5	111	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.994	-4.0	113	0.00
94	T	Hexachlorobutadiene	50.000	54.030	-8.1	112	0.00
95	T	Naphthalene	50.000	53.533	-7.1	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 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	52.703	-5.4	109	0.00

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

QC SAMPLE DATA

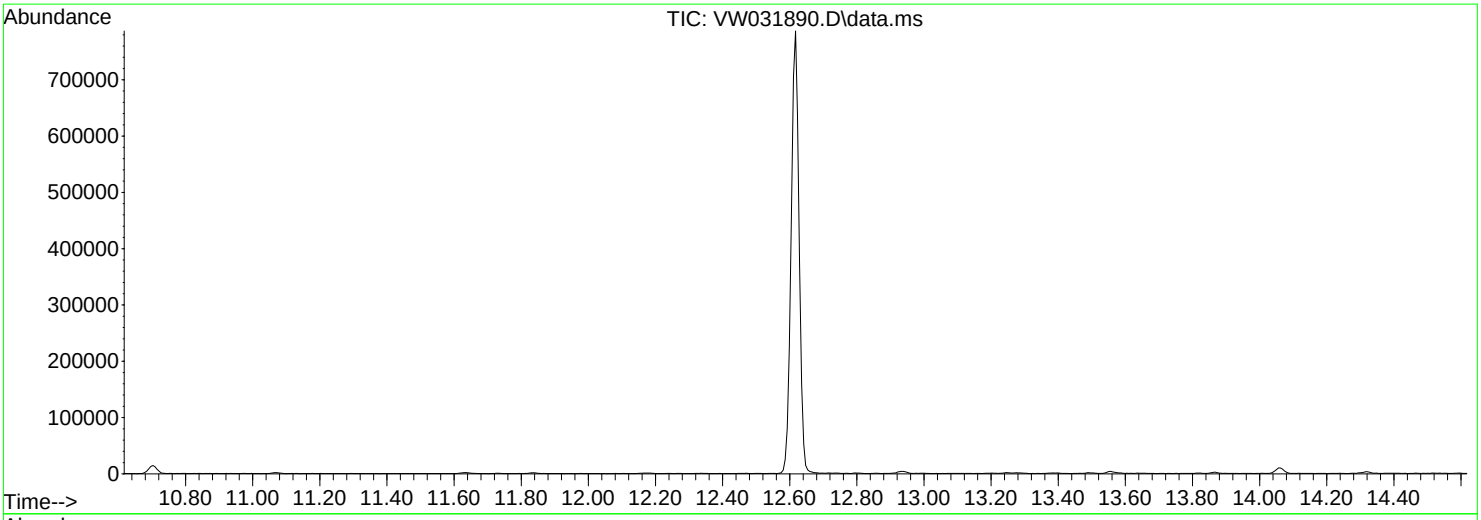
Sample Results: **VW031890.D**

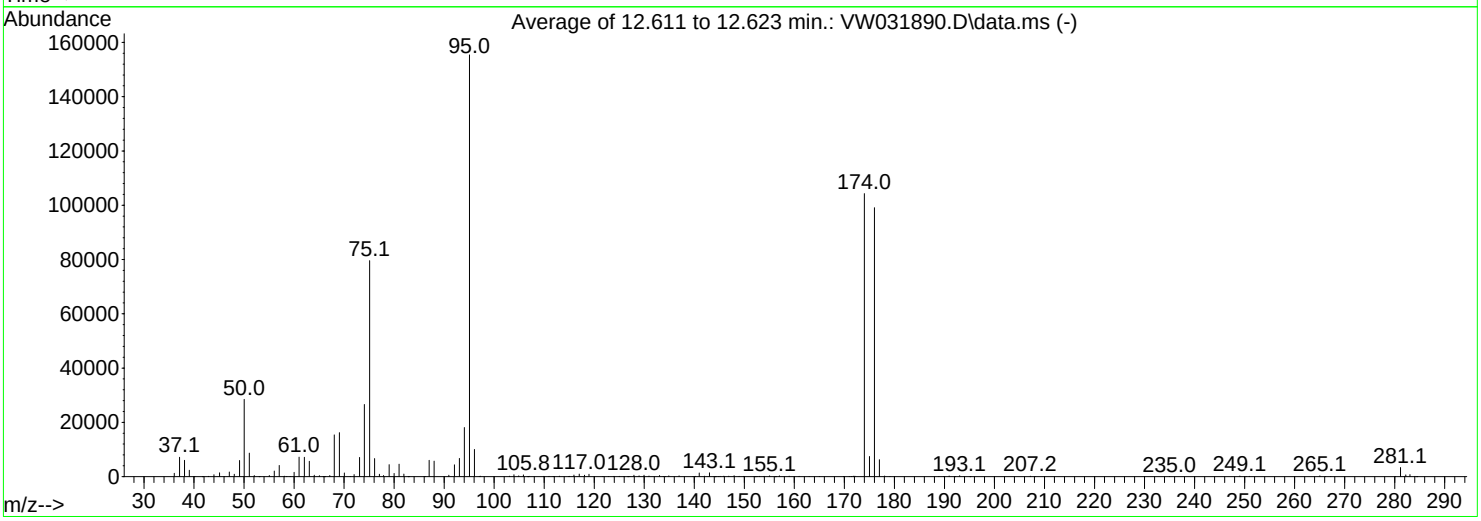
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031890.D
Acq On : 22 Jul 2025 08:14
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Title : SW846 8260
Last Update : Wed Jul 23 08:18:46 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	28475	PASS
75	95	30	60	51.2	79621	PASS
95	95	100	100	100.0	155413	PASS
96	95	5	9	6.4	10008	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.1	104317	PASS
175	174	5	9	7.1	7429	PASS
176	174	95	101	95.0	99120	PASS
177	176	5	9	6.3	6263	PASS

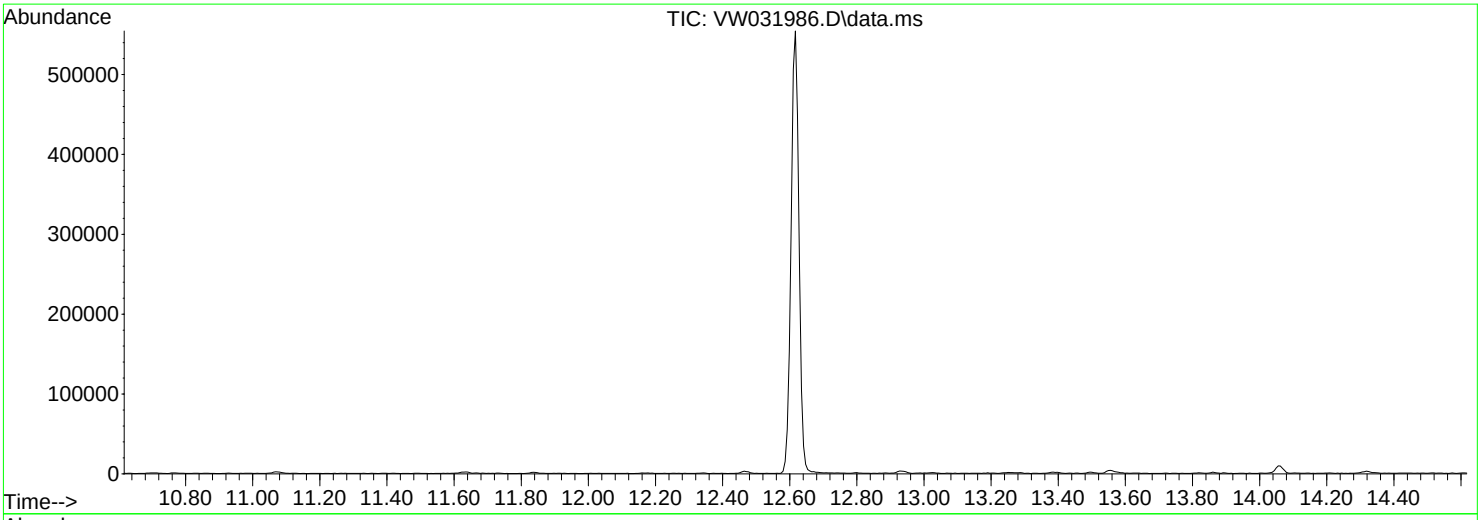
Sample Results: **VW031986.D**

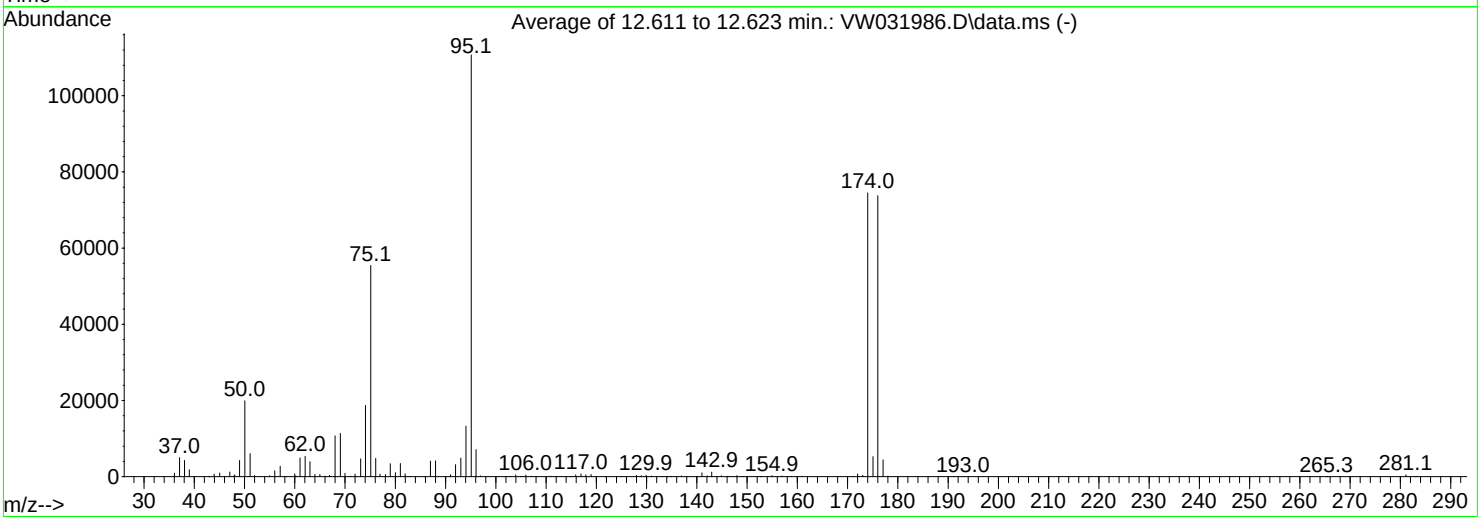
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031986.D
Acq On : 04 Aug 2025 07:47
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Title : SW846 8260
Last Update : Wed Jul 23 08:18:46 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	18.0	19909	PASS
75	95	30	60	50.1	55443	PASS
95	95	100	100	100.0	110731	PASS
96	95	5	9	6.4	7093	PASS
173	174	0.00	2	0.5	361	PASS
174	95	50	100	67.3	74496	PASS
175	174	5	9	7.1	5259	PASS
176	174	95	101	99.0	73763	PASS
177	176	5	9	6.0	4412	PASS

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	92 Clifford Street, Newark	Date Received:	
Client Sample ID:	VW0804SBL01	SDG No.:	Q2758
Lab Sample ID:	VW0804SBL01	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
VW031988.D	1	08/04/25 09:54	VW080425

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

Raw Data: **VW031988.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	92 Clifford Street, Newark	Date Received:	
Client Sample ID:	VW0804SBL01	SDG No.:	Q2758
Lab Sample ID:	VW0804SBL01	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
VW031988.D	1	08/04/25 09:54	VW080425

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	50.6		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	45.3		74 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.6		17 - 146	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	168000	7.953			
540-36-3	1,4-Difluorobenzene	365000	8.849			
3114-55-4	Chlorobenzene-d5	335000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	155000	13.556			

Raw Data: **VW031988.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	92 Clifford Street, Newark	Date Received:	
Client Sample ID:	VW0804SBL01	SDG No.:	Q2758
Lab Sample ID:	VW0804SBL01	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
VW031988.D	1	08/04/25 09:54	VW080425

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\VW080425\
Data File : VW031988.D
Acq On : 04 Aug 2025 09:54
Operator : SY/MD
Sample : VW0804SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Quant Time: Aug 05 01:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

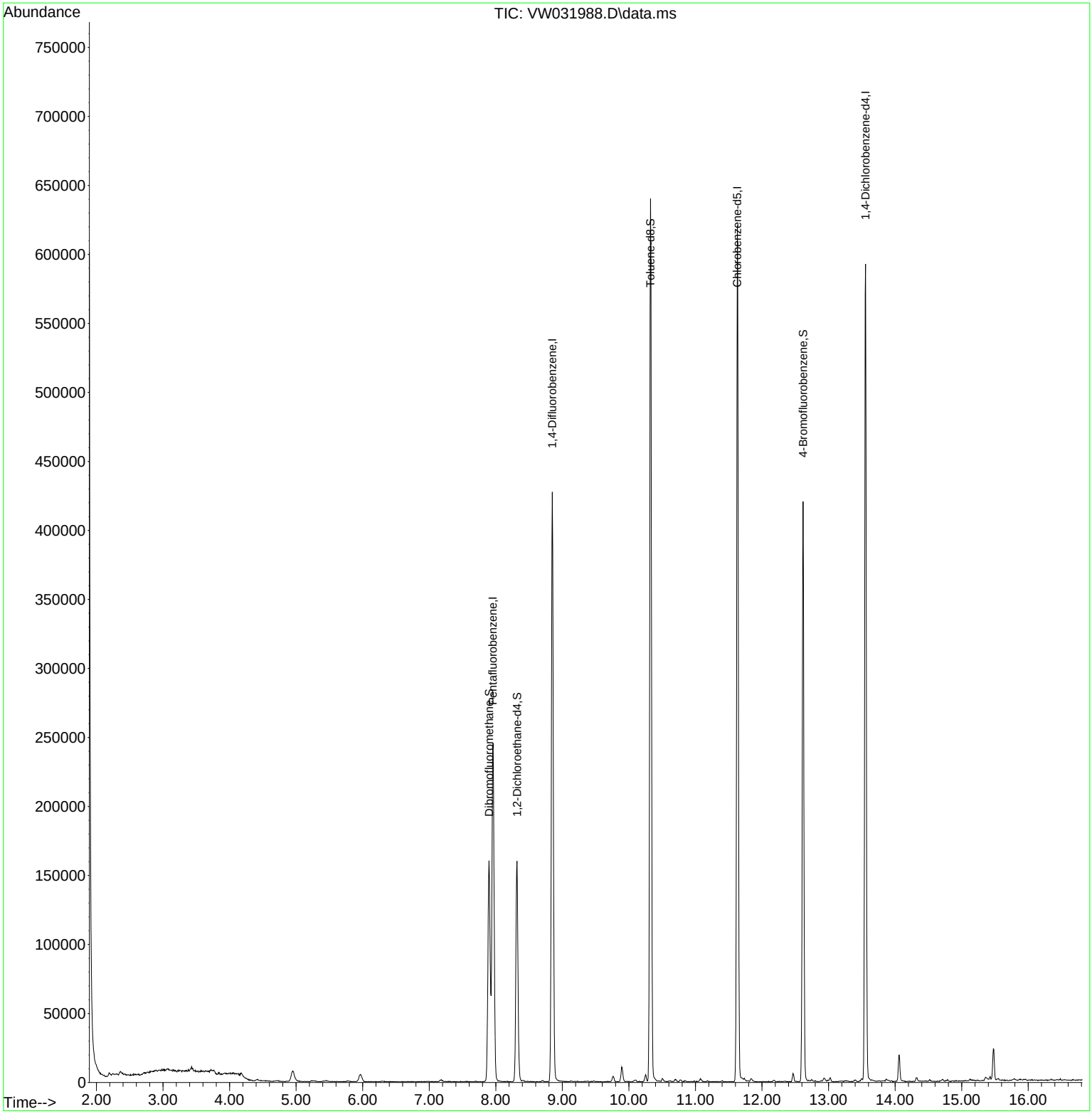
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.953	168	168222	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	365101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	334575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	154504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	128662	50.559	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 101.120%			
35) Dibromofluoromethane	7.898	113	119254	48.069	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 96.140%			
50) Toluene-d8	10.325	98	425728	45.341	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 90.680%			
62) 4-Bromofluorobenzene	12.617	95	149946	41.590	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 83.180%			
Target Compounds						Qvalue

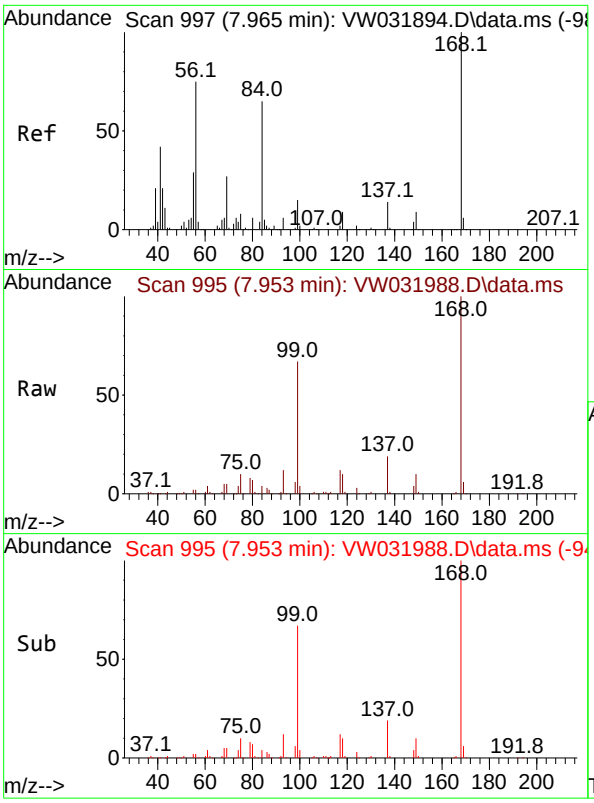
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031988.D
Acq On : 04 Aug 2025 09:54
Operator : SY/MD
Sample : VW0804SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Quant Time: Aug 05 01:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



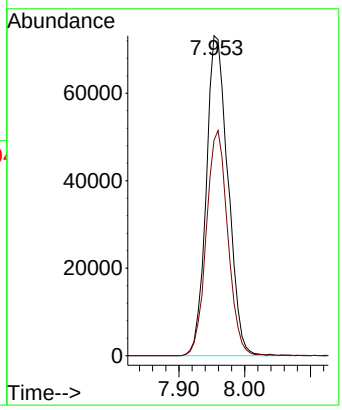


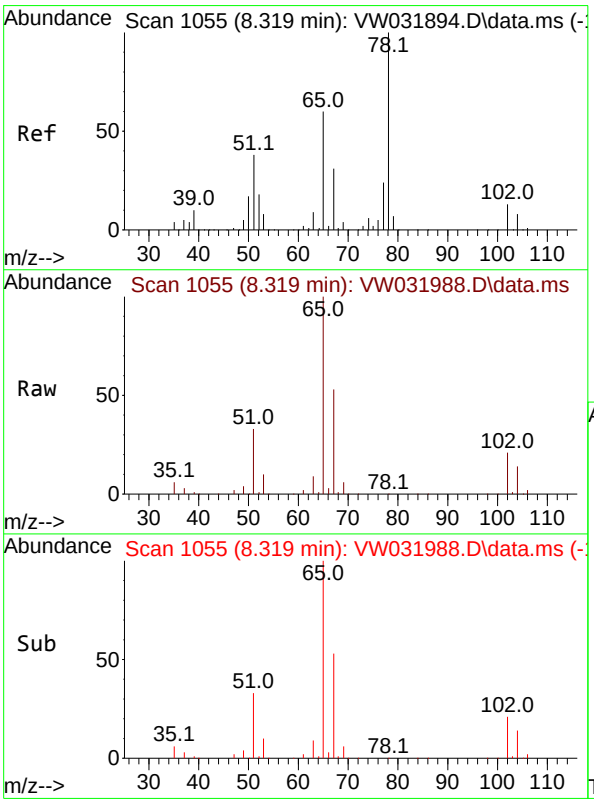
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 9
Delta R.T. -0.012 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Tgt Ion:168 Resp: 168222

Ion	Ratio	Lower	Upper
168	100		
99	67.3	48.2	72.2

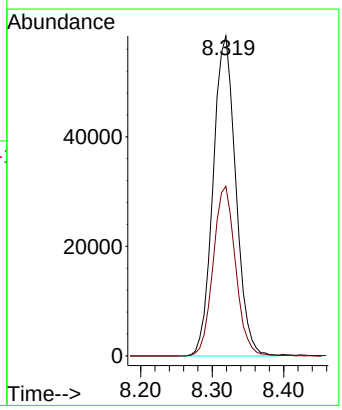


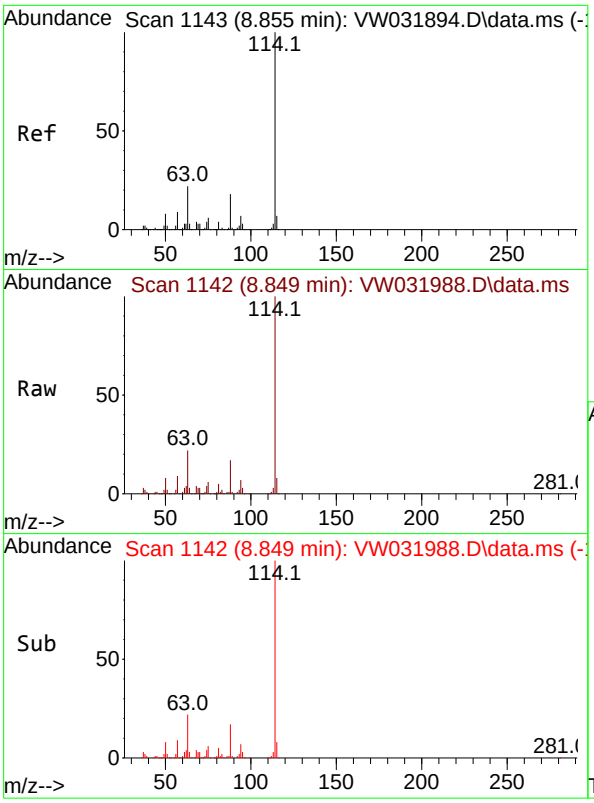


#33
1,2-Dichloroethane-d4
Concen: 50.559 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Tgt Ion: 65 Resp: 128662

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	101.4



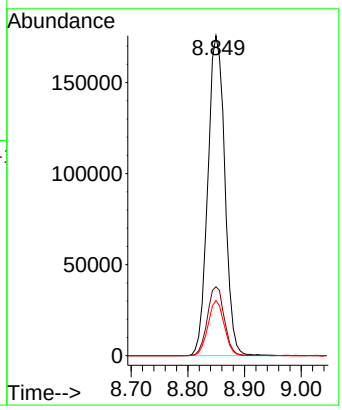


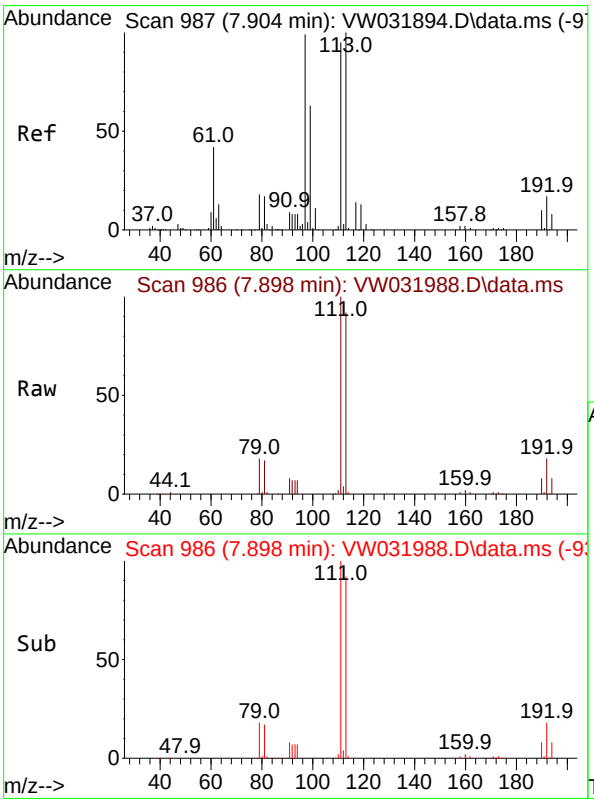
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Tgt Ion:114 Resp: 365101

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.2
88	17.3	0.0	35.6

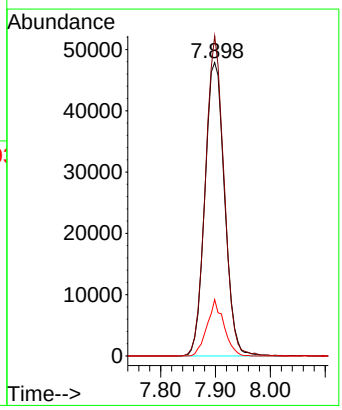


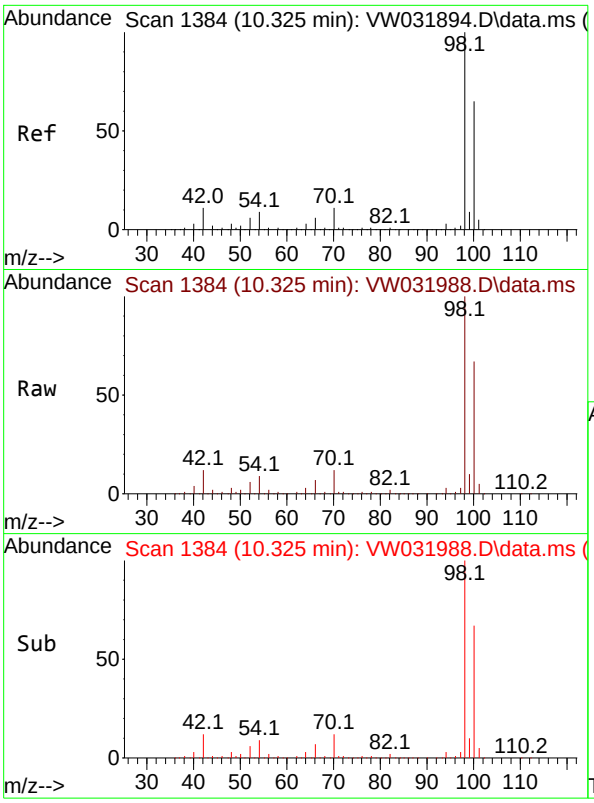


#35
Dibromofluoromethane
Concen: 48.069 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Tgt Ion:113 Resp: 119254

Ion	Ratio	Lower	Upper
113	100		
111	103.2	79.9	119.9
192	16.5	12.6	19.0



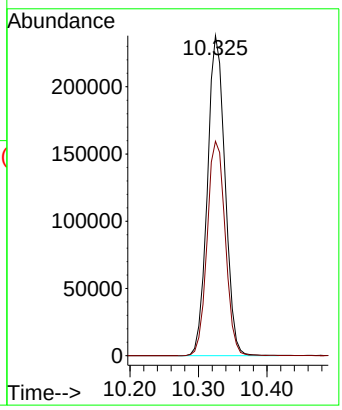


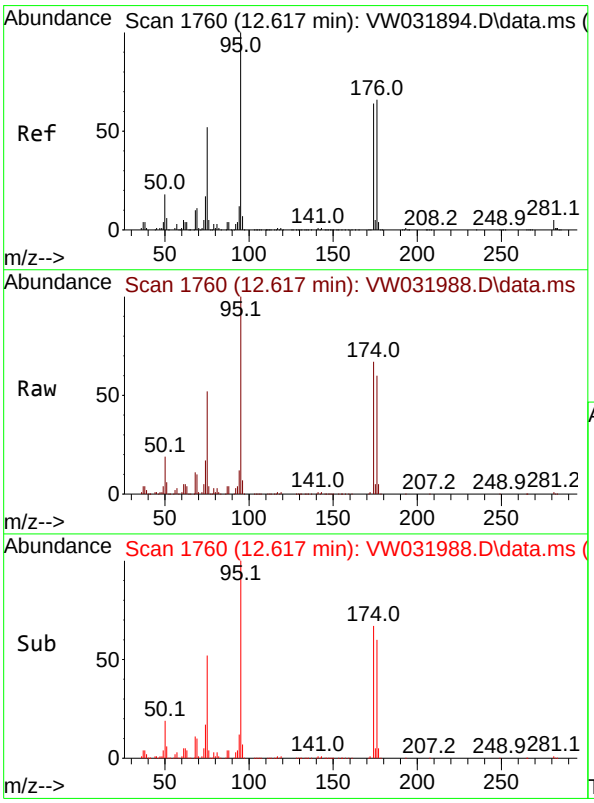
#50
Toluene-d8
Concen: 45.341 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Tgt Ion: 98 Resp: 425728

Ion	Ratio	Lower	Upper
98	100		
100	68.7	51.7	77.5

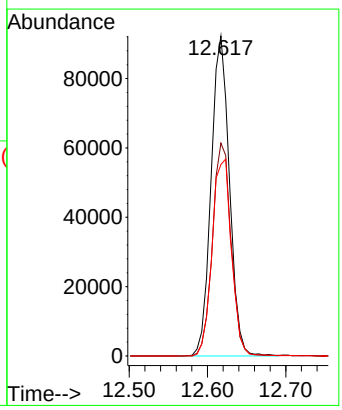


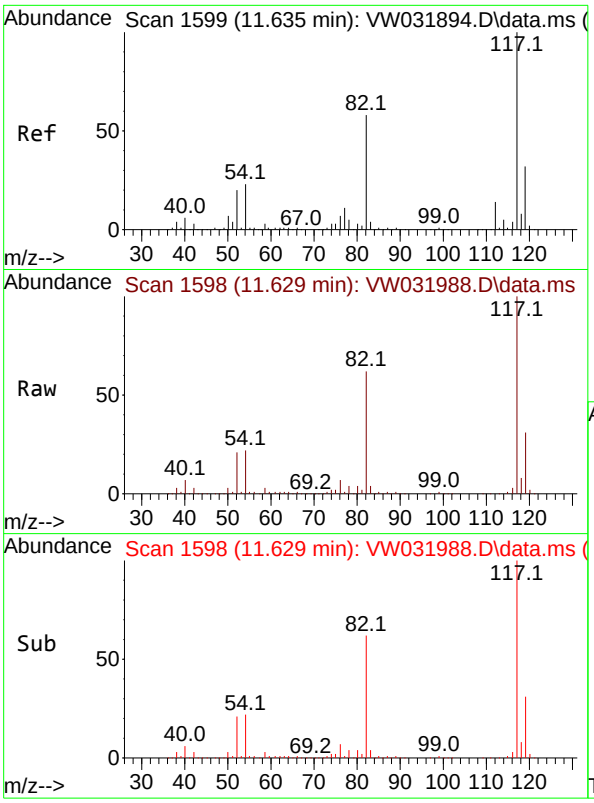


#62
4-Bromofluorobenzene
Concen: 41.590 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Tgt Ion: 95 Resp: 149946

Ion	Ratio	Lower	Upper
95	100		
174	68.0	0.0	129.8
176	65.2	0.0	130.4



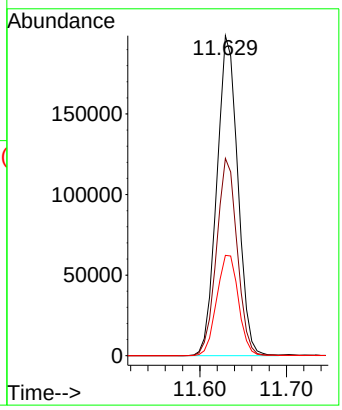


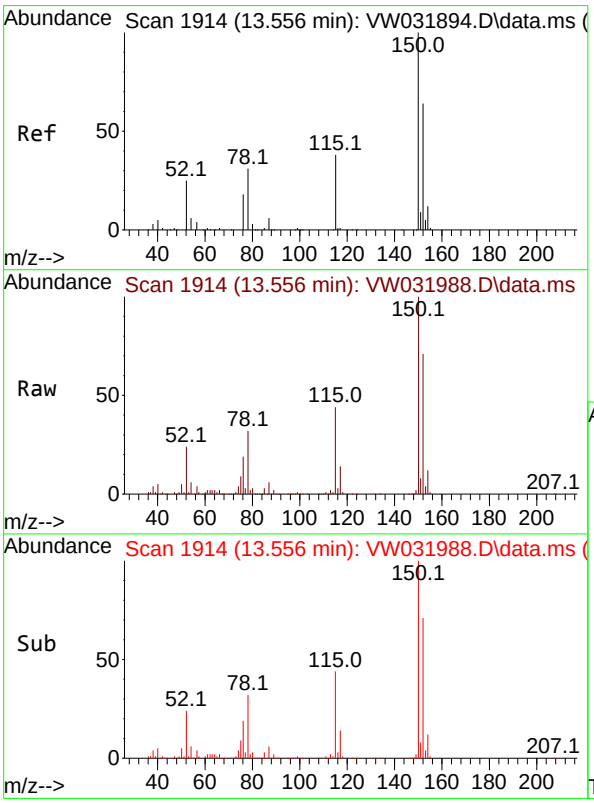
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Tgt Ion:117 Resp: 334575

Ion	Ratio	Lower	Upper
117	100		
82	61.6	46.5	69.7
119	31.3	25.8	38.6

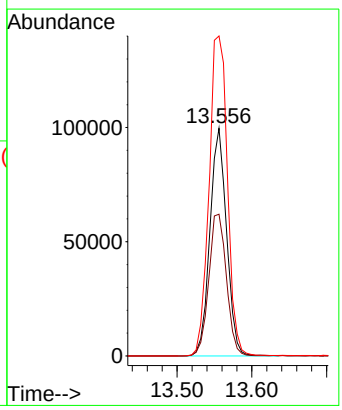




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Tgt Ion:152 Resp: 154504

Ion	Ratio	Lower	Upper
152	100		
115	66.1	33.4	100.1
150	155.3	0.0	352.2



Sample Results: **VW031988.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031988.D
Acq On : 04 Aug 2025 09:54
Operator : SY/MD
Sample : VW0804SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

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\82W072225S.M
Title : SW846 8260

Signal : TIC: VW031988.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	4.948	492	502	514	rBV3	7437	25339	2.20%	0.409%
2	5.966	659	669	678	rVB4	5315	17001	1.47%	0.275%
3	7.898	972	986	991	rBV	160237	393561	34.14%	6.355%
4	7.959	991	996	1008	rVB	244946	546400	47.39%	8.823%
5	8.319	1042	1055	1066	rBV	159930	350971	30.44%	5.667%
6	8.849	1133	1142	1155	rBV	427085	867425	75.24%	14.006%
7	9.892	1305	1313	1322	rVV2	10723	21226	1.84%	0.343%
8	10.325	1376	1384	1401	rVB	639530	1152945	100.00%	18.616%
9	11.629	1590	1598	1613	rBV	620370	1067061	92.55%	17.230%
10	12.617	1752	1760	1772	rBV2	420176	699437	60.67%	11.294%
11	13.556	1907	1914	1927	rVB	591509	976865	84.73%	15.773%
12	14.062	1990	1997	2009	rBV2	19135	33693	2.92%	0.544%
13	15.476	2223	2229	2236	rVB2	22544	41217	3.57%	0.666%

Sum of corrected areas: 6193141

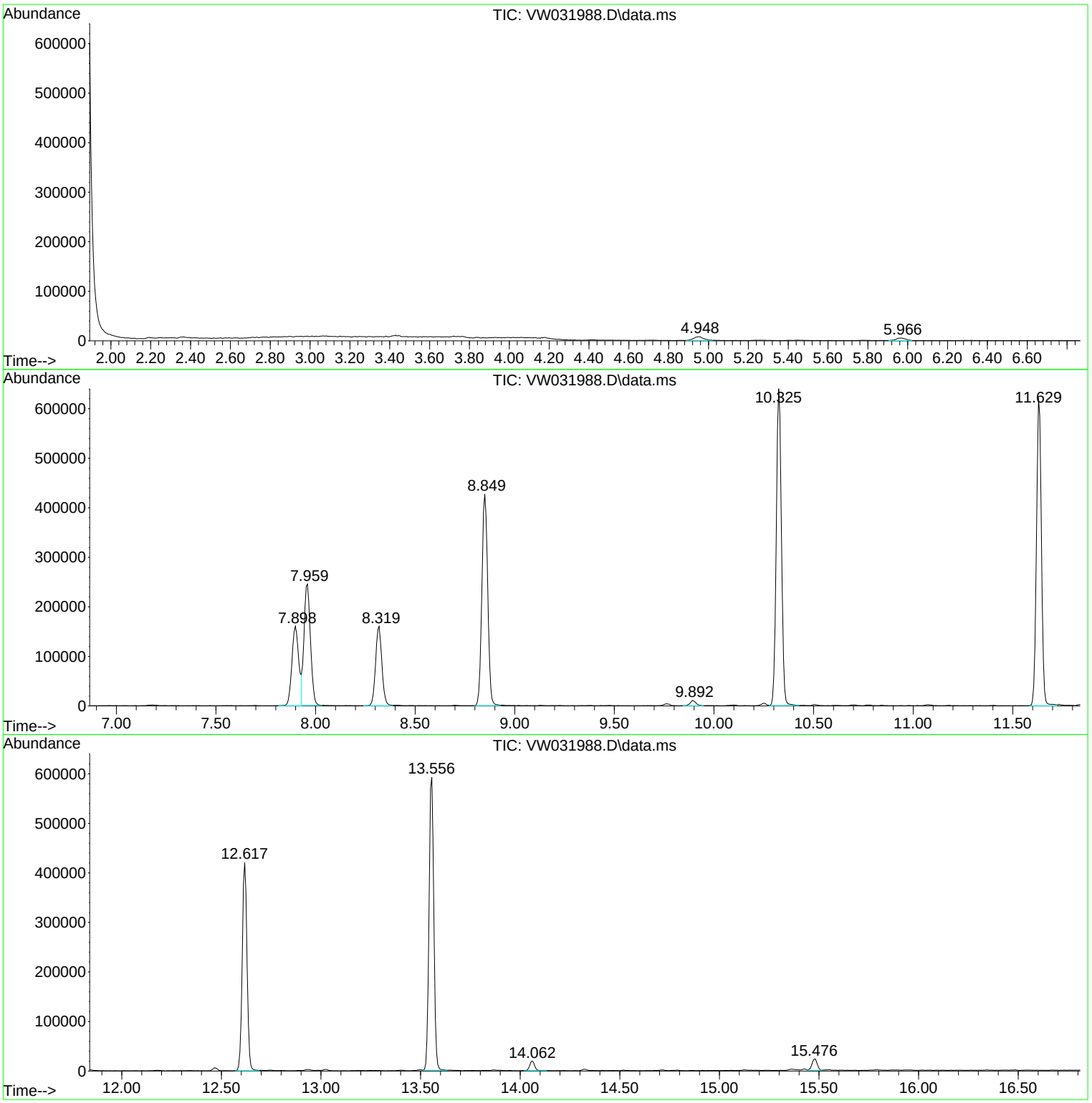
Sample Results: **VW031988.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031988.D
Acq On : 04 Aug 2025 09:54
Operator : SY/MD
Sample : VW0804SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VW031988.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031988.D
Acq On : 04 Aug 2025 09:54
Operator : SY/MD
Sample : VW0804SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.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\VW080425\
Data File : VW031988.D
Acq On : 04 Aug 2025 09:54
Operator : SY/MD
Sample : VW0804SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

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

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

Raw Data: **VW031989.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	92 Clifford Street, Newark	Date Received:	
Client Sample ID:	VW0804SBS01	SDG No.:	Q2758
Lab Sample ID:	VW0804SBS01	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
VW031989.D	1	08/04/25 10:20	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.7		0.79	5.00	ug/Kg
74-83-9	Bromomethane	18.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.9		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	15.1		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.0		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.9		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.8		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	16.6		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.4		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.5		0.91	5.00	ug/Kg
71-43-2	Benzene	20.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.2		0.78	5.00	ug/Kg

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	92 Clifford Street, Newark	Date Received:	
Client Sample ID:	VW0804SBS01	SDG No.:	Q2758
Lab Sample ID:	VW0804SBS01	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
VW031989.D	1	08/04/25 10:20	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	99.1		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.7		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.6		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.5		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.2		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.4		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.5		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.4		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	55.9		70 - 134	112%	SPK: 50
2037-26-5	Toluene-d8	55.6		74 - 123	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		17 - 146	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	212000	7.959			
540-36-3	1,4-Difluorobenzene	385000	8.849			
3114-55-4	Chlorobenzene-d5	350000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	171000	13.556			

Raw Data: **VW031989.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	92 Clifford Street, Newark	Date Received:	
Client Sample ID:	VW0804SBS01	SDG No.:	Q2758
Lab Sample ID:	VW0804SBS01	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
VW031989.D	1	08/04/25 10:20	VW080425

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

Sample Results: **VW031989.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031989.D
Acq On : 04 Aug 2025 10:20
Operator : SY/MD
Sample : VW0804SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	212167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	385271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	349774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	170576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169564	52.831	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.660%			
35) Dibromofluoromethane	7.904	113	146436	55.935	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 111.860%			
50) Toluene-d8	10.325	98	550944	55.605	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 111.200%			
62) 4-Bromofluorobenzene	12.617	95	212555	55.869	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 111.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	27329	17.331	ug/l	98
3) Chloromethane	2.253	50	39680	19.605	ug/l	97
4) Vinyl Chloride	2.405	62	46409	17.652	ug/l	97
5) Bromomethane	2.820	94	36463	18.834	ug/l	91
6) Chloroethane	2.966	64	34529	19.899	ug/l	99
7) Trichlorofluoromethane	3.302	101	40314	15.139	ug/l	94
8) Diethyl Ether	3.716	74	32241	18.125	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	50668	19.782	ug/l	96
10) Methyl Iodide	4.308	142	72753	18.998	ug/l	98
11) Tert butyl alcohol	5.210	59	18269	96.835	ug/l #	86
12) 1,1-Dichloroethene	4.070	96	53822	19.025	ug/l	95
13) Acrolein	3.930	56	14391	46.904	ug/l	97
14) Allyl chloride	4.704	41	82355	18.700	ug/l	99
15) Acrylonitrile	5.405	53	74121	93.204	ug/l	100
16) Acetone	4.167	43	92848	121.910	ug/l	100
17) Carbon Disulfide	4.417	76	136161	18.558	ug/l	98
18) Methyl Acetate	4.704	43	41583	19.818	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	97032	19.851	ug/l	97
20) Methylene Chloride	4.954	84	64153	16.584	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	57319	19.096	ug/l	96
22) Diisopropyl ether	6.338	45	172318	19.554	ug/l	98
23) Vinyl Acetate	6.283	43	531605	92.336	ug/l	99
24) 1,1-Dichloroethane	6.246	63	107640	19.618	ug/l	99
25) 2-Butanone	7.197	43	108535	104.155	ug/l	97
26) 2,2-Dichloropropane	7.185	77	59289	19.087	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	68826	19.504	ug/l	99
28) Bromochloromethane	7.526	49	45634	19.865	ug/l	98
29) Tetrahydrofuran	7.551	42	61996	90.744	ug/l	99
30) Chloroform	7.697	83	117366	20.401	ug/l	95
31) Cyclohexane	7.972	56	88545	17.988	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	88389	20.191	ug/l	95
36) 1,1-Dichloropropene	8.100	75	79810	19.851	ug/l	99
37) Ethyl Acetate	7.277	43	42860	18.688	ug/l	99
38) Carbon Tetrachloride	8.081	117	77445	20.071	ug/l	99
39) Methylcyclohexane	9.343	83	93717	18.523	ug/l	97
40) Benzene	8.331	78	242440	20.371	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031989.D
Acq On : 04 Aug 2025 10:20
Operator : SY/MD
Sample : VW0804SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 01:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.502	41	25737	18.746 ug/l		95
42) 1,2-Dichloroethane	8.410	62	76204	20.006 ug/l		98
43) Isopropyl Acetate	8.435	43	77055	18.558 ug/l		99
44) Trichloroethene	9.099	130	57832	20.443 ug/l		97
45) 1,2-Dichloropropane	9.374	63	57900	20.201 ug/l		99
46) Dibromomethane	9.465	93	36063	20.297 ug/l		98
47) Bromodichloromethane	9.648	83	87948	20.643 ug/l		97
48) Methyl methacrylate	9.441	41	36741	18.600 ug/l		98
49) 1,4-Dioxane	9.465	88	8243	464.942 ug/l	#	86
51) 4-Methyl-2-Pentanone	10.215	43	217393	95.672 ug/l		99
52) Toluene	10.392	92	154561	20.202 ug/l		97
53) t-1,3-Dichloropropene	10.611	75	79291	19.401 ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	94470	20.241 ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	47999	20.338 ug/l		95
56) Ethyl methacrylate	10.648	69	63067	18.921 ug/l		98
57) 1,3-Dichloropropane	10.934	76	83414	20.062 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	165236	96.510 ug/l		98
59) 2-Hexanone	10.971	43	156530	99.104 ug/l		99
60) Dibromochloromethane	11.129	129	56702	20.606 ug/l		97
61) 1,2-Dibromoethane	11.233	107	45932	19.696 ug/l		95
64) Tetrachloroethene	10.861	164	47201	20.468 ug/l	#	82
65) Chlorobenzene	11.660	112	167687	19.588 ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.733	131	53288	20.079 ug/l		98
67) Ethyl Benzene	11.733	91	290411	19.308 ug/l		94
68) m/p-Xylenes	11.837	106	223663	39.501 ug/l		99
69) o-Xylene	12.166	106	105502	19.689 ug/l		98
70) Styrene	12.178	104	184175	20.187 ug/l		98
71) Bromoform	12.349	173	28030	19.312 ug/l	#	96
73) Isopropylbenzene	12.465	105	272143	18.388 ug/l		99
74) N-amyl acetate	12.270	43	70193	17.543 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	58156	18.512 ug/l		98
76) 1,2,3-Trichloropropane	12.763	75	42807m	18.177 ug/l		
77) Bromobenzene	12.745	156	64098	20.016 ug/l		88
78) n-propylbenzene	12.800	91	338399	18.616 ug/l		98
79) 2-Chlorotoluene	12.891	91	203033	18.707 ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	224663	18.099 ug/l		98
81) trans-1,4-Dichloro-2-b...	12.513	75	16672	16.344 ug/l		91
82) 4-Chlorotoluene	12.983	91	216191	18.988 ug/l		100
83) tert-Butylbenzene	13.202	119	198880	18.810 ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	227134	18.079 ug/l		95
85) sec-Butylbenzene	13.379	105	288056	18.141 ug/l		98
86) p-Isopropyltoluene	13.495	119	241954	18.436 ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	128413	19.264 ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	126546	19.379 ug/l		98
89) n-Butylbenzene	13.818	91	234020	18.177 ug/l		99
90) Hexachloroethane	14.086	117	42519	18.736 ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	116699	19.754 ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	9814	17.291 ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	70374	19.753 ug/l		92
94) Hexachlorobutadiene	15.226	225	30332	17.967 ug/l		94
95) Naphthalene	15.360	128	155462	17.749 ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	60864	18.855 ug/l		95

Sample Results: **VW031989.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031989.D
Acq On : 04 Aug 2025 10:20
Operator : SY/MD
Sample : VW0804SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

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

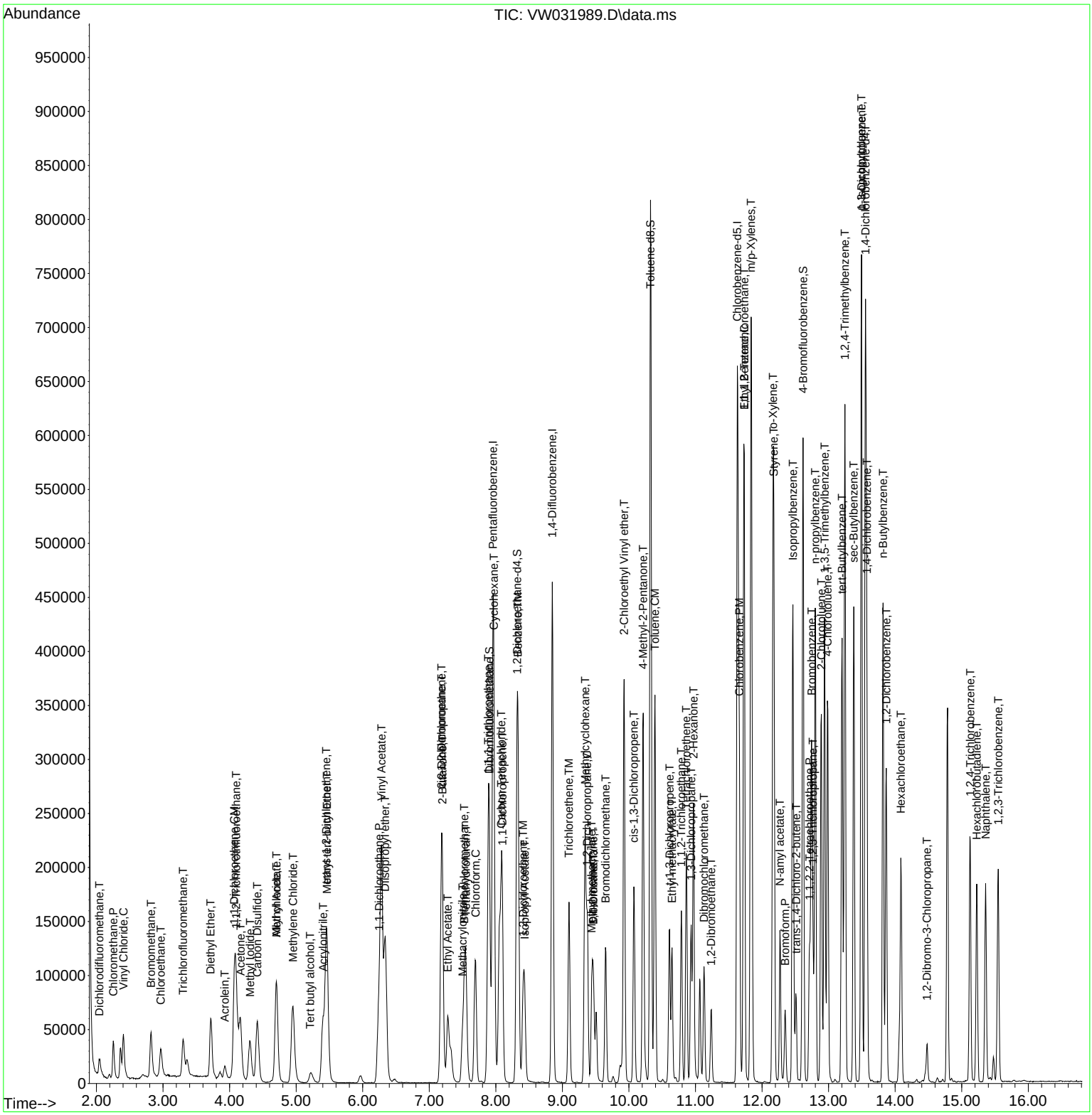
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031989.D
Acq On : 04 Aug 2025 10:20
Operator : SY/MD
Sample : VW0804SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 01:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025



Raw Data: **VW031990.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	92 Clifford Street, Newark	Date Received:	
Client Sample ID:	VW0804SBSD01	SDG No.:	Q2758
Lab Sample ID:	VW0804SBSD01	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
VW031990.D	1	08/04/25 10:42	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.5		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.6		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	17.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.3		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.0		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.2		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.7		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	16.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.3		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.1		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.4		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.4		0.91	5.00	ug/Kg
71-43-2	Benzene	18.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.2		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	98.1		3.60	25.0	ug/Kg
108-88-3	Toluene	18.7		0.78	5.00	ug/Kg

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	92 Clifford Street, Newark	Date Received:	
Client Sample ID:	VW0804SBSD01	SDG No.:	Q2758
Lab Sample ID:	VW0804SBSD01	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
VW031990.D	1	08/04/25 10:42	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.8		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	18.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.4		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	18.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	18.6		0.82	5.00	ug/Kg
100-42-5	Styrene	19.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.2		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.1		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.5		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.5		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		17 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	7.959			
540-36-3	1,4-Difluorobenzene	424000	8.855			
3114-55-4	Chlorobenzene-d5	381000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.55			

Raw Data: **VW031990.D**

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	92 Clifford Street, Newark	Date Received:	
Client Sample ID:	VW0804SBSD01	SDG No.:	Q2758
Lab Sample ID:	VW0804SBSD01	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
VW031990.D	1	08/04/25 10:42	VW080425

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\VW080425\
Data File : VW031990.D
Acq On : 04 Aug 2025 10:42
Operator : SY/MD
Sample : VW0804SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 01:15:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	219677	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	423534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	380864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	179411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	170632	51.346	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 102.700%			
35) Dibromofluoromethane	7.904	113	146494	50.902	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 101.800%			
50) Toluene-d8	10.325	98	539638	49.543	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.080%			
62) 4-Bromofluorobenzene	12.617	95	203294	48.607	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 97.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	26969	16.518	ug/l	92
3) Chloromethane	2.253	50	39573	18.884	ug/l	95
4) Vinyl Chloride	2.405	62	46456	17.066	ug/l	94
5) Bromomethane	2.820	94	38341	19.127	ug/l	92
6) Chloroethane	2.966	64	35170	19.575	ug/l	94
7) Trichlorofluoromethane	3.308	101	47753	17.320	ug/l	97
8) Diethyl Ether	3.722	74	35349	19.193	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	50027	18.864	ug/l	99
10) Methyl Iodide	4.314	142	74729	18.847	ug/l	99
11) Tert butyl alcohol	5.228	59	21265	108.862	ug/l	98
12) 1,1-Dichloroethene	4.082	96	53732	18.344	ug/l	95
13) Acrolein	3.923	56	15380	48.720	ug/l	95
14) Allyl chloride	4.704	41	84880	18.614	ug/l	98
15) Acrylonitrile	5.405	53	82618	100.337	ug/l	99
16) Acetone	4.161	43	92116	116.814	ug/l	98
17) Carbon Disulfide	4.417	76	137025	18.037	ug/l	100
18) Methyl Acetate	4.716	43	45053	20.737	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	102120	20.177	ug/l	99
20) Methylene Chloride	4.954	84	64797	16.052	ug/l	94
21) trans-1,2-Dichloroethene	5.454	96	59431	19.123	ug/l	95
22) Diisopropyl ether	6.344	45	179039	19.622	ug/l	100
23) Vinyl Acetate	6.283	43	575976	96.623	ug/l	99
24) 1,1-Dichloroethane	6.246	63	111357	19.602	ug/l	99
25) 2-Butanone	7.197	43	116436	107.917	ug/l	98
26) 2,2-Dichloropropane	7.191	77	61574	19.145	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	72447	19.828	ug/l	97
28) Bromochloromethane	7.526	49	45477	19.119	ug/l	95
29) Tetrahydrofuran	7.557	42	71209	100.665	ug/l	99
30) Chloroform	7.697	83	119499	20.062	ug/l	98
31) Cyclohexane	7.971	56	93015	18.250	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	87965	19.407	ug/l	98
36) 1,1-Dichloropropene	8.093	75	79796	18.054	ug/l	99
37) Ethyl Acetate	7.276	43	45760	18.150	ug/l	97
38) Carbon Tetrachloride	8.081	117	76951	18.142	ug/l	97
39) Methylcyclohexane	9.343	83	96666	17.379	ug/l	99
40) Benzene	8.337	78	246338	18.828	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031990.D
Acq On : 04 Aug 2025 10:42
Operator : SY/MD
Sample : VW0804SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 01:15:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	25293	16.758	ug/l	#	88
42) 1,2-Dichloroethane	8.410	62	80488	19.222	ug/l		98
43) Isopropyl Acetate	8.435	43	85842	18.807	ug/l		100
44) Trichloroethene	9.099	130	60019	19.300	ug/l		95
45) 1,2-Dichloropropane	9.374	63	60950	19.344	ug/l		100
46) Dibromomethane	9.471	93	37519	19.209	ug/l		99
47) Bromodichloromethane	9.648	83	90368	19.294	ug/l		100
48) Methyl methacrylate	9.447	41	41595	19.155	ug/l		98
49) 1,4-Dioxane	9.471	88	10049	515.601	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.215	43	245168	98.148	ug/l		100
52) Toluene	10.392	92	157140	18.684	ug/l		98
53) t-1,3-Dichloropropene	10.611	75	84239	18.750	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	97451	18.993	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	52642	20.290	ug/l		95
56) Ethyl methacrylate	10.648	69	69654	19.009	ug/l		100
57) 1,3-Dichloropropane	10.934	76	88730	19.412	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	179255	95.240	ug/l		99
59) 2-Hexanone	10.971	43	173812	100.104	ug/l		98
60) Dibromochloromethane	11.129	129	55876	18.471	ug/l		98
61) 1,2-Dibromoethane	11.239	107	49788	19.420	ug/l		97
64) Tetrachloroethene	10.861	164	47029	18.729	ug/l		88
65) Chlorobenzene	11.654	112	175958	18.877	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.727	131	54049	18.704	ug/l		97
67) Ethyl Benzene	11.727	91	299038	18.259	ug/l		97
68) m/p-Xylenes	11.837	106	235313	38.166	ug/l		95
69) o-Xylene	12.166	106	108332	18.566	ug/l		99
70) Styrene	12.178	104	191802	19.307	ug/l		99
71) Bromoform	12.349	173	31449	19.899	ug/l	#	99
73) Isopropylbenzene	12.465	105	278355	17.881	ug/l		100
74) N-amyl acetate	12.269	43	78536	18.662	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	63403	19.188	ug/l		98
76) 1,2,3-Trichloropropane	12.763	75	47498m	19.175	ug/l		
77) Bromobenzene	12.745	156	64884	19.264	ug/l		92
78) n-propylbenzene	12.800	91	344429	18.015	ug/l		100
79) 2-Chlorotoluene	12.885	91	210918	18.477	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	239639	18.355	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	18880	17.597	ug/l		92
82) 4-Chlorotoluene	12.983	91	218121	18.214	ug/l		100
83) tert-Butylbenzene	13.202	119	202558	18.214	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	242003	18.314	ug/l		98
85) sec-Butylbenzene	13.379	105	295232	17.678	ug/l		98
86) p-Isopropyltoluene	13.495	119	238511	17.278	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	127900	18.242	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	131157	19.096	ug/l		99
89) n-Butylbenzene	13.818	91	236719	17.481	ug/l		97
90) Hexachloroethane	14.092	117	43415	18.188	ug/l		96
91) 1,2-Dichlorobenzene	13.867	146	120887	19.455	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11287	18.907	ug/l		91
93) 1,2,4-Trichlorobenzene	15.123	180	70350	18.774	ug/l		91
94) Hexachlorobutadiene	15.226	225	33040	18.607	ug/l		94
95) Naphthalene	15.360	128	172955	18.774	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	66101	19.469	ug/l		95

Sample Results: **VW031990.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031990.D
Acq On : 04 Aug 2025 10:42
Operator : SY/MD
Sample : VW0804SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 01:15:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

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

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

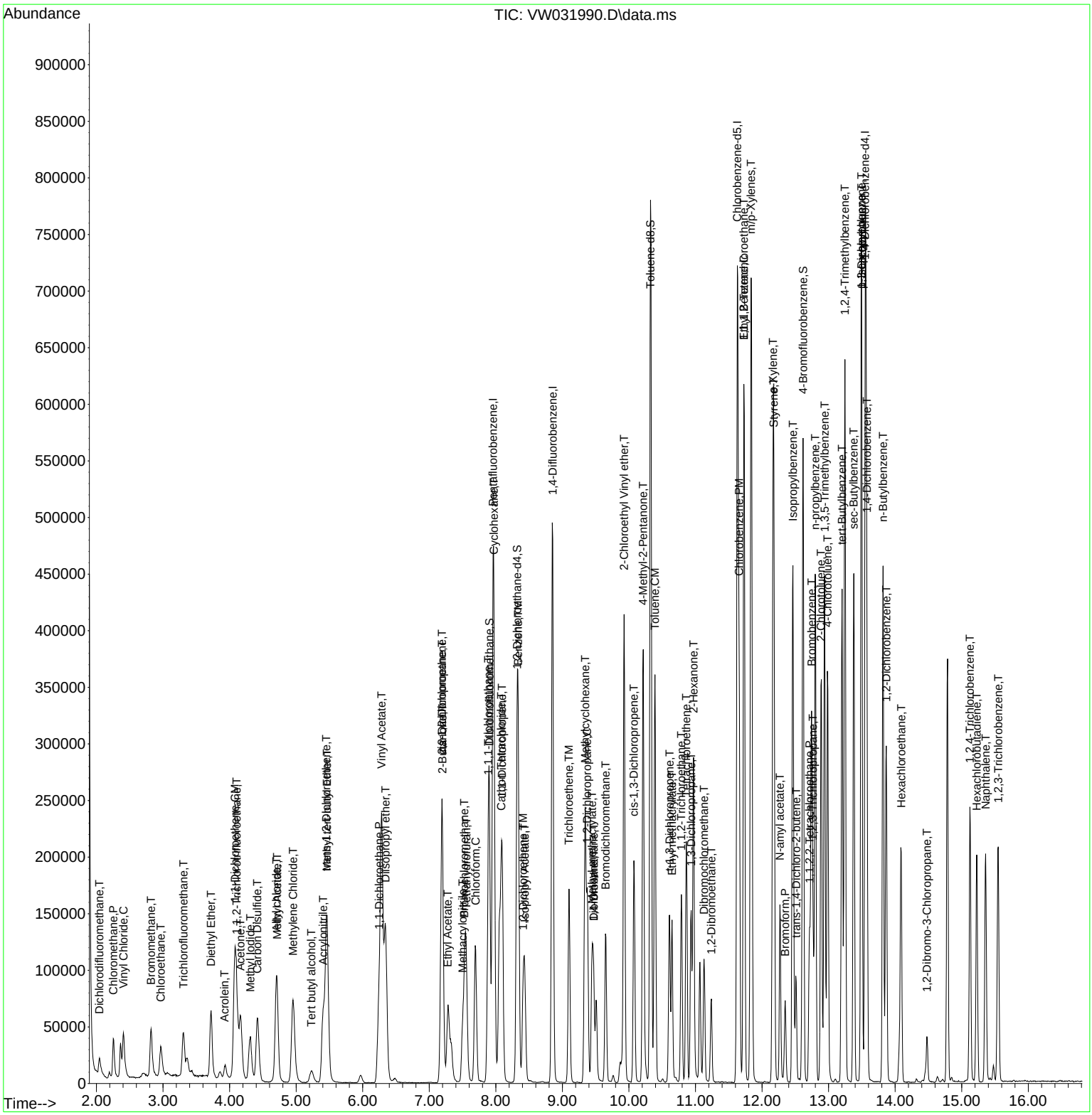
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031990.D
Acq On : 04 Aug 2025 10:42
Operator : SY/MD
Sample : VW0804SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 01:15:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025



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

Manual Integration Report

Sequence:	VW072225	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW031891.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:49 PM	MMDadoda	7/24/2025 3:08:40 PM	Peak Integrated by Software
VSTDICC005	VW031891.D	Ethyl Acetate	SAM	7/24/2025 3:07:49 PM	MMDadoda	7/24/2025 3:08:40 PM	Peak Integrated by Software
VSTDICC005	VW031891.D	Methacrylonitrile	SAM	7/24/2025 3:07:49 PM	MMDadoda	7/24/2025 3:08:40 PM	Peak Integrated by Software
VSTDICC010	VW031892.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:50 PM	MMDadoda	7/24/2025 3:08:42 PM	Peak Integrated by Software
VSTDICC010	VW031892.D	Methacrylonitrile	SAM	7/24/2025 3:07:50 PM	MMDadoda	7/24/2025 3:08:42 PM	Peak Integrated by Software
VSTDICC020	VW031893.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:52 PM	MMDadoda	7/24/2025 3:08:43 PM	Peak Integrated by Software
VSTDICCC050	VW031894.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:54 PM	MMDadoda	7/24/2025 3:08:45 PM	Peak Integrated by Software
VSTDICC100	VW031895.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:55 PM	MMDadoda	7/24/2025 3:08:46 PM	Peak Integrated by Software
VSTDICC150	VW031896.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:57 PM	MMDadoda	7/24/2025 3:08:48 PM	Peak Integrated by Software
VSTDICV050	VW031898.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:59 PM	MMDadoda	7/24/2025 3:08:50 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vw080425	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW031987.D	1,2,3-Trichloropropane	MMDadoda	8/5/2025 12:48:47 PM	Sam	8/5/2025 12:54:06 PM	Peak Integrated by Software
VW0804SBS01	VW031989.D	1,2,3-Trichloropropane	MMDadoda	8/5/2025 12:48:48 PM	Sam	8/5/2025 12:54:08 PM	Peak Integrated by Software
VW0804SBSD01	VW031990.D	1,2,3-Trichloropropane	MMDadoda	8/5/2025 12:48:53 PM	Sam	8/5/2025 12:54:09 PM	Peak Integrated by Software
VSTDCCC050	VW032002.D	1,2,3-Trichloropropane	MMDadoda	8/5/2025 12:49:00 PM	Sam	8/5/2025 12:54:13 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW072225

Review By	Semsettin Yesilyurt	Review On	7/24/2025 3:08:17 PM				
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 3:08:52 PM				
SubDirectory	VW072225	HP Acquire Method	MSVOA_W	HP Processing Method	82w072225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134865
Initial Calibration Stds	VP134866,VP134868,VP134869,VP134870,VP134873,VP134874
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134875
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031890.D	22 Jul 2025 08:14	SY/MD	Ok
2	VSTDICC005	VW031891.D	22 Jul 2025 09:05	SY/MD	Ok,M
3	VSTDICC010	VW031892.D	22 Jul 2025 09:37	SY/MD	Ok,M
4	VSTDICC020	VW031893.D	22 Jul 2025 10:17	SY/MD	Ok,M
5	VSTDICCC050	VW031894.D	22 Jul 2025 10:39	SY/MD	Ok,M
6	VSTDICC100	VW031895.D	22 Jul 2025 11:18	SY/MD	Ok,M
7	VSTDICC150	VW031896.D	22 Jul 2025 12:00	SY/MD	Ok,M
8	VIBLK	VW031897.D	22 Jul 2025 12:21	SY/MD	Ok
9	VSTDICV050	VW031898.D	22 Jul 2025 14:47	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW080425

Review By	Mahesh Dadoda	Review On	8/5/2025 12:49:29 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	8/5/2025 12:54:19 PM				
SubDirectory	VW080425	HP Acquire Method	MSVOA_W		HP Processing Method	82w072225s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP134974
Initial Calibration Stds	
CCC	VP134975,VP134976
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	VW031986.D	04 Aug 2025 07:47	SY/MD	Ok
2	VSTDCCC050	VW031987.D	04 Aug 2025 09:24	SY/MD	Ok,M
3	VW0804SBL01	VW031988.D	04 Aug 2025 09:54	SY/MD	Ok
4	VW0804SBS01	VW031989.D	04 Aug 2025 10:20	SY/MD	Ok,M
5	VW0804SBSD01	VW031990.D	04 Aug 2025 10:42	SY/MD	Ok,M
6	Q2747-01RE	VW031991.D	04 Aug 2025 11:22	SY/MD	Confirms
7	Q2747-03RE	VW031992.D	04 Aug 2025 11:44	SY/MD	Confirms
8	Q2747-05RE	VW031993.D	04 Aug 2025 12:06	SY/MD	Confirms
9	Q2747-07RE	VW031994.D	04 Aug 2025 12:28	SY/MD	Confirms
10	Q2747-09RE	VW031995.D	04 Aug 2025 12:50	SY/MD	Confirms
11	Q2753-01	VW031996.D	04 Aug 2025 13:12	SY/MD	Ok
12	Q2757-02	VW031997.D	04 Aug 2025 13:34	SY/MD	ReRun
13	Q2758-01	VW031998.D	04 Aug 2025 13:56	SY/MD	Ok
14	Q2759-01	VW031999.D	04 Aug 2025 14:18	SY/MD	Dilution
15	Q2760-01	VW032000.D	04 Aug 2025 14:40	SY/MD	ReRun
16	VIBLK	VW032001.D	04 Aug 2025 15:03	SY/MD	Ok
17	VSTDCCC050	VW032002.D	04 Aug 2025 15:24	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW072225

Review By	Semsettin Yesilyurt	Review On	7/24/2025 3:08:17 PM		
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 3:08:52 PM		
SubDirectory	VW072225	HP Acquire Method	MSVOA_W	HP Processing Method	82w072225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134865
Initial Calibration Stds	VP134866,VP134868,VP134869,VP134870,VP134873,VP134874
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134875
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031890.D	22 Jul 2025 08:14		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW031891.D	22 Jul 2025 09:05	Comp. #20 is on Linear Regression	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW031892.D	22 Jul 2025 09:37	Comp. #13 is on Quadratic Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW031893.D	22 Jul 2025 10:17		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW031894.D	22 Jul 2025 10:39		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW031895.D	22 Jul 2025 11:18		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW031896.D	22 Jul 2025 12:00		SY/MD	Ok,M
8	VIBLK	VIBLK	VW031897.D	22 Jul 2025 12:21		SY/MD	Ok
9	VSTDICV050	ICVVW072225	VW031898.D	22 Jul 2025 14:47		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW080425

Review By	Mahesh Dadoda	Review On	8/5/2025 12:49:29 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/5/2025 12:54:19 PM		
SubDirectory	VW080425	HP Acquire Method	MSVOA_W	HP Processing Method	82w072225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134974
Initial Calibration Stds	
CCC	VP134975,VP134976
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031986.D	04 Aug 2025 07:47		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW031987.D	04 Aug 2025 09:24		SY/MD	Ok,M
3	VW0804SBL01	VW0804SBL01	VW031988.D	04 Aug 2025 09:54		SY/MD	Ok
4	VW0804SBS01	VW0804SBS01	VW031989.D	04 Aug 2025 10:20		SY/MD	Ok,M
5	VW0804SBSD01	VW0804SBSD01	VW031990.D	04 Aug 2025 10:42		SY/MD	Ok,M
6	Q2747-01RE	OU4-TS-GRILLO-OG2-	VW031991.D	04 Aug 2025 11:22	vial-B surrogate Fail	SY/MD	Confirms
7	Q2747-03RE	OU4-TS-GRILLO-OG3-	VW031992.D	04 Aug 2025 11:44	vial-B surrogate Fail	SY/MD	Confirms
8	Q2747-05RE	OU4-TS-GRILLO-OG4-	VW031993.D	04 Aug 2025 12:06	vial-B surrogate Fail	SY/MD	Confirms
9	Q2747-07RE	OU4-TS-GRILLO-TSCP	VW031994.D	04 Aug 2025 12:28	vial-B surrogate Fail	SY/MD	Confirms
10	Q2747-09RE	OU4-TS-GRILLO-TSCP	VW031995.D	04 Aug 2025 12:50	vial-B surrogate Fail	SY/MD	Confirms
11	Q2753-01	289	VW031996.D	04 Aug 2025 13:12	vial-A	SY/MD	Ok
12	Q2757-02	VOC	VW031997.D	04 Aug 2025 13:34	vial-A Internal Standard fail	SY/MD	ReRun
13	Q2758-01	WASTE	VW031998.D	04 Aug 2025 13:56	vial-A	SY/MD	Ok
14	Q2759-01	SOLID-DRUMS	VW031999.D	04 Aug 2025 14:18	vial-A Need MeOH	SY/MD	Dilution
15	Q2760-01	NB-07-08042025	VW032000.D	04 Aug 2025 14:40	vial-A Internal Standard fail	SY/MD	ReRun
16	VIBLK	VIBLK	VW032001.D	04 Aug 2025 15:03		SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VW032002.D	04 Aug 2025 15:24		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 08/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:14
Out Date: 08/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136687

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
Q2752-03	PIPE-LINE-LIQUIDS	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q2757-01	WASTE	2	1.14	9.99	11.13	9.28	81.5	
Q2757-02	VOC	3	1.13	10.85	11.98	9.96	81.4	
Q2757-03	1	4	1.19	10.50	11.69	9.83	82.3	
Q2757-04	2	5	1.18	10.81	11.99	10.1	82.5	
Q2757-05	3	6	1.18	10.81	11.99	9.98	81.4	
Q2757-06	4	7	1.13	10.59	11.72	9.66	80.5	
Q2757-07	5	8	1.13	10.86	11.99	9.95	81.2	
Q2758-01	WASTE	9	1.12	10.57	11.69	10.94	92.9	
Q2759-01	SOLID-DRUMS	10	1.15	10.84	11.99	5.75	42.4	
Q2760-01	NB-07-08042025	11	1.13	10.76	11.89	11.36	95.1	
Q2760-02	NB-07-08042025-E2	12	1.13	10.37	11.5	10.44	89.8	
Q2763-01	TP-2	13	1.16	10.02	11.18	9.36	81.8	
Q2763-02	TP-2 EPH	14	1.18	10.12	11.3	9.75	84.7	
Q2763-03	TP-2 VOC	15	1.18	10.48	11.66	9.45	78.9	

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

WORKLIST(Hardcopy Internal Chain)

136687

WorkList Name : %1-080425 **WorkList ID :** 191066 **Department :** Wet-Chemistry **Date :** 08-04-2025 07:38:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2752-03	PIPE-LINE-LIQUIDS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/01/2025	Chemtech -SO
Q2757-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2758-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2759-01	SOLID-DRUMS	Solid	Percent Solids	Cool 4 deg C	SCIA01	D21	08/01/2025	Chemtech -SO
Q2760-01	NB-07-08042025	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/04/2025	Chemtech -SO
Q2760-02	NB-07-08042025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/04/2025	Chemtech -SO
Q2763-01	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/04/2025	Chemtech -SO
Q2763-02	TP-2 EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	08/04/2025	Chemtech -SO
Q2763-03	TP-2 VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03		08/04/2025	Chemtech -SO
		Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	08/04/2025	Chemtech -SO

Date/Time 08/04/25 15:10

Raw Sample Received by: [illegible] (WC)

Raw Sample Relinquished by: RJ (EXL-Lab)

Date/Time 08/04/25 17:20

Raw Sample Received by: RJ (EXL-Lab)

Raw Sample Relinquished by: [illegible] (WC)

SHIPPING DOCUMENTS

Q2758
92 Clifford Street.

CHEMTECH
CHAIN OF CUSTODY RECORD

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

Chemtech Project Number: Newark
COC Number:

CLIENT INFORMATION			PROJECT INFORMATION		BILLING INFORMATION		
Report to be sent to:			PROJECT NAME:		BILL TO:	PO#	
COMPANY:			PROJECT #:	LOCATION:	ADDRESS:		
ADDRESS:			PROJECT MANAGER:		CITY: SCIACCA	STATE:	ZIP:
CITY:	STATE:	ZIP:	E-MAIL:		ATTENTION:		
ATTENTION:			PHONE:	FAX:	PHONE:		
PHONE:	FAX:						

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 TPH_GC, 2 VOC, 3 EPH_F2, 4, 5, 6, 7, 8, 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE: COMP	SAMPLE TYPE: GRAB	SAMPLE COLLECTION: DATE	SAMPLE COLLECTION: TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	WASTE						1	X									
2.	VOC						1		X								
3.	1						1			X							
4.	2						1			X							
5.	3						1			X							
6.	4						1			X							
7.	5						1			X							
8.																	
9.																	
10.																	

Please follow Sundew list for Cont. Waste.

<-- Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	
1.	8-1-25 1533	1.	1533
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
2.		2.	8-1-25
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	
3.	8-1-25 1640	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0°C
Comments: _____

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other: _____
CHEMTECH: ☐ Picked Up

Shipment Complete ☐ YES ☐ NO

10/2018

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

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

Laboratory Certification

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2758 SCIA01
Client Name : Sciacca General Contractors
Client Contact : Rosanne Scirica
Invoice Name : Sciacca General Contractors
Invoice Contact : Rosanne Scirica

Order Date : 8/1/2025 4:14:00 PM
Project Name : 89 E. Centre St, Nutley
Receive DateTime : 8/1/2025 12:00:00 AM
Purchase Order :

Project Mgr :
Report Type : Results Only
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2758-01	WASTE	Solid	08/01/2025	00:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 8/4/25 1040

Received By : Sean
Date / Time : 08/04/25 10:40
Storage Area : VOA Refridgerator Room

NJ #6
Pg 2