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

Cover Page

Order ID : Q2651

Project ID : Leon Avenue

Client : Earth Engineering Inc.

Lab Sample Number	Client Sample Number
Q2651-01	MH 2-1
Q2651-02	MH 6-5
Q2651-03	MH 7-6
Q2651-04	MH 8-7
Q2651-05	MH 9-8

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: 7/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2651**

	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: **SOHIL JODHANI** **Date:** **07/30/2025**

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

LAB CHRONICLE

OrderID:	Q2651	**OrderDate:**	7/18/2025 2:29:11 PM
Client:	Earth Engineering Inc.	**Project:**	Leon Avenue
Contact:	Frank Dougherty, LSRP	**Location:**	O22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2651-01	**MH 2-1**	**SOIL**			**07/17/25**			**07/18/25**
			VOC-TCLVOA-10	8260D			07/22/25	
Q2651-02	**MH 6-5**	**SOIL**			**07/17/25**			**07/18/25**
			VOC-TCLVOA-10	8260D			07/21/25	
Q2651-03	**MH 7-6**	**SOIL**			**07/17/25**			**07/18/25**
			VOC-TCLVOA-10	8260D			07/21/25	
Q2651-04	**MH 8-7**	**SOIL**			**07/17/25**			**07/18/25**
			VOC-TCLVOA-10	8260D			07/21/25	
Q2651-05	**MH 9-8**	**SOIL**			**07/17/25**			**07/18/25**
			VOC-TCLVOA-10	8260D			07/21/25	
Q2651-05RE	**MH 9-8RE**	**SOIL**			**07/17/25**			**07/18/25**
			VOC-TCLVOA-10	8260D			07/22/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2651

Client: Earth Engineering Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MH 8-7**								
Q2651-04	MH 8-7	SOIL	n-Hexane	*	5.60	J	0	0	ug/Kg
			Total Tics :		5.60				
			Total Concentration:		5.60				
Client ID:	**MH 9-8**								
Q2651-05	MH 9-8	SOIL	unknown2.086	*	14.3	J	0	0	ug/Kg
			Total Tics :		14.3				
			Total Concentration:		14.3				

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2651

Client: Earth Engineering Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q2651-01	MH 2-1	1,2-Dichloroethane-d4	50	56.7	113		63	155
		Dibromofluoromethane	50	51.3	103		70	134
		Toluene-d8	50	49.4	99		74	123
		4-Bromofluorobenzene	50	54.7	109		17	146
Q2651-02	MH 6-5	1,2-Dichloroethane-d4	50	63.3	127		63	155
		Dibromofluoromethane	50	52.5	105		70	134
		Toluene-d8	50	50.3	101		74	123
		4-Bromofluorobenzene	50	59.4	119		17	146
Q2651-03	MH 7-6	1,2-Dichloroethane-d4	50	63.5	127		63	155
		Dibromofluoromethane	50	53.1	106		70	134
		Toluene-d8	50	49.7	99		74	123
		4-Bromofluorobenzene	50	59.6	119		17	146
Q2651-04	MH 8-7	1,2-Dichloroethane-d4	50	65.8	132		63	155
		Dibromofluoromethane	50	52.5	105		70	134
		Toluene-d8	50	50.3	101		74	123
		4-Bromofluorobenzene	50	58.6	117		17	146
Q2651-05	MH 9-8	1,2-Dichloroethane-d4	50	34.8	70		63	155
		Dibromofluoromethane	50	41.3	83		70	134
		Toluene-d8	50	42.9	86		74	123
		4-Bromofluorobenzene	50	29.7	59		17	146
Q2651-05RE	MH 9-8RE	1,2-Dichloroethane-d4	50	54.3	109		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	46.0	92		74	123
		4-Bromofluorobenzene	50	44.4	89		17	146
VY0721SBL01	VY0721SBL01	1,2-Dichloroethane-d4	50	54.0	108		63	155
		Dibromofluoromethane	50	49.6	99		70	134
		Toluene-d8	50	48.0	96		74	123
		4-Bromofluorobenzene	50	54.7	109		17	146
VY0721SBS01	VY0721SBS01	1,2-Dichloroethane-d4	50	52.0	104		63	155
		Dibromofluoromethane	50	48.1	96		70	134
		Toluene-d8	50	47.5	95		74	123
		4-Bromofluorobenzene	50	47.2	94		17	146
VY0721SBSD01	VY0721SBSD01	1,2-Dichloroethane-d4	50	50.5	101		63	155
		Dibromofluoromethane	50	47.8	96		70	134
		Toluene-d8	50	47.2	94		74	123
		4-Bromofluorobenzene	50	45.9	92		17	146
VY0722SBL01	VY0722SBL01	1,2-Dichloroethane-d4	50	59.4	119		63	155
		Dibromofluoromethane	50	51.5	103		70	134
		Toluene-d8	50	49.0	98		74	123
		4-Bromofluorobenzene	50	56.1	112		17	146
VY0722SBS01	VY0722SBS01	1,2-Dichloroethane-d4	50	51.9	104		63	155
		Dibromofluoromethane	50	48.2	96		70	134
		Toluene-d8	50	47.7	95		74	123
		4-Bromofluorobenzene	50	46.3	92		17	146

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2651 **Analytical Method:** SW8260D

Client: Earth Engineering Inc. **Datafile :** VY023017.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0721SBS01	Dichlorodifluoromethane	20	20.0	ug/Kg	100			64	136	
	Chloromethane	20	22.1	ug/Kg	111			52	151	
	Vinyl chloride	20	21.2	ug/Kg	106			56	148	
	Bromomethane	20	24.3	ug/Kg	121			58	141	
	Chloroethane	20	22.2	ug/Kg	111			69	130	
	Trichlorofluoromethane	20	21.1	ug/Kg	106			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/Kg	102			81	123	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			79	121	
	Acetone	100	150	ug/Kg	150			40	171	
	Carbon disulfide	20	20.9	ug/Kg	104			59	130	
	Methyl tert-butyl Ether	20	21.9	ug/Kg	110			77	129	
	Methyl Acetate	20	22.0	ug/Kg	110			69	149	
	Methylene Chloride	20	20.2	ug/Kg	101			72	131	
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	20.8	ug/Kg	104			82	123	
	Cyclohexane	20	19.9	ug/Kg	100			76	122	
	2-Butanone	100	130	ug/Kg	130			69	131	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			76	129	
	cis-1,2-Dichloroethene	20	20.4	ug/Kg	102			82	123	
	Bromochloromethane	20	21.7	ug/Kg	109			80	127	
	Chloroform	20	20.8	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101			80	126	
	Methylcyclohexane	20	18.8	ug/Kg	94			77	123	
	Benzene	20	20.1	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	21.6	ug/Kg	108			81	126	
	Trichloroethene	20	19.4	ug/Kg	97			83	122	
	1,2-Dichloropropane	20	20.4	ug/Kg	102			83	122	
	Bromodichloromethane	20	20.6	ug/Kg	103			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	20.0	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	20	20.8	ug/Kg	104			78	124	
	cis-1,3-Dichloropropene	20	21.0	ug/Kg	105			81	122	
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106			82	125	
	2-Hexanone	100	120	ug/Kg	120			66	138	
	Dibromochloromethane	20	20.9	ug/Kg	104			79	125	
	1,2-Dibromoethane	20	21.6	ug/Kg	108			80	125	
	Tetrachloroethene	20	19.3	ug/Kg	97			83	125	
	Chlorobenzene	20	20.0	ug/Kg	100			84	122	
	Ethyl Benzene	20	19.3	ug/Kg	97			82	124	
	m/p-Xylenes	40	38.8	ug/Kg	97			83	124	
	o-Xylene	20	19.5	ug/Kg	98			83	123	
	Styrene	20	19.4	ug/Kg	97			82	124	
	Bromoform	20	21.3	ug/Kg	106			75	127	
	Isopropylbenzene	20	18.6	ug/Kg	93			82	124	
	1,1,2,2-Tetrachloroethane	20	21.2	ug/Kg	106			77	127	
	1,3-Dichlorobenzene	20	19.0	ug/Kg	95			83	122	
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98			84	121	
	1,2-Dichlorobenzene	20	19.0	ug/Kg	95			83	124	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2651 **Analytical Method:** SW8260D

Client: Earth Engineering Inc. **Datafile :** VY023017.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0721SBS01	1,2-Dibromo-3-Chloropropane	20	23.2	ug/Kg	116			66	134	
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			78	127	
	1,2,3-Trichlorobenzene	20	20.7	ug/Kg	104			70	137	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2651 **Analytical Method:** SW8260D

Client: Earth Engineering Inc. **Datafile :** VY023018.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0721SBSD01	Dichlorodifluoromethane	20	20.6	ug/Kg	103	3		64	136	20
	Chloromethane	20	22.0	ug/Kg	110	1		52	151	20
	Vinyl chloride	20	22.2	ug/Kg	111	5		56	148	20
	Bromomethane	20	24.1	ug/Kg	121	0		58	141	20
	Chloroethane	20	22.2	ug/Kg	111	0		69	130	20
	Trichlorofluoromethane	20	21.6	ug/Kg	108	2		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/Kg	104	2		81	123	20
	1,1-Dichloroethene	20	20.6	ug/Kg	103	2		79	121	20
	Acetone	100	120	ug/Kg	120	22	*	40	171	20
	Carbon disulfide	20	21.1	ug/Kg	106	2		59	130	20
	Methyl tert-butyl Ether	20	21.1	ug/Kg	106	4		77	129	20
	Methyl Acetate	20	21.5	ug/Kg	108	2		69	149	20
	Methylene Chloride	20	20.5	ug/Kg	103	2		72	131	20
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106	3		80	123	20
	1,1-Dichloroethane	20	20.7	ug/Kg	104	0		82	123	20
	Cyclohexane	20	20.0	ug/Kg	100	0		76	122	20
	2-Butanone	100	120	ug/Kg	120	8		69	131	20
	Carbon Tetrachloride	20	19.7	ug/Kg	99	0		76	129	20
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104	2		82	123	20
	Bromochloromethane	20	21.6	ug/Kg	108	1		80	127	20
	Chloroform	20	20.8	ug/Kg	104	0		82	125	20
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103	2		80	126	20
	Methylcyclohexane	20	19.4	ug/Kg	97	3		77	123	20
	Benzene	20	20.2	ug/Kg	101	0		84	121	20
	1,2-Dichloroethane	20	20.9	ug/Kg	104	4		81	126	20
	Trichloroethene	20	19.2	ug/Kg	96	1		83	122	20
	1,2-Dichloropropane	20	20.4	ug/Kg	102	0		83	122	20
	Bromodichloromethane	20	20.1	ug/Kg	101	2		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		70	135	20
	Toluene	20	19.8	ug/Kg	99	1		83	122	20
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101	3		78	124	20
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101	4		81	122	20
	1,1,2-Trichloroethane	20	20.4	ug/Kg	102	4		82	125	20
	2-Hexanone	100	110	ug/Kg	110	9		66	138	20
	Dibromochloromethane	20	20.5	ug/Kg	103	1		79	125	20
	1,2-Dibromoethane	20	20.6	ug/Kg	103	5		80	125	20
	Tetrachloroethene	20	17.8	ug/Kg	89	9		83	125	20
	Chlorobenzene	20	20.0	ug/Kg	100	0		84	122	20
	Ethyl Benzene	20	19.5	ug/Kg	98	1		82	124	20
	m/p-Xylenes	40	39.2	ug/Kg	98	1		83	124	20
	o-Xylene	20	19.2	ug/Kg	96	2		83	123	20
	Styrene	20	19.6	ug/Kg	98	1		82	124	20
	Bromoform	20	19.9	ug/Kg	100	6		75	127	20
	Isopropylbenzene	20	19.0	ug/Kg	95	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	3		77	127	20
	1,3-Dichlorobenzene	20	19.2	ug/Kg	96	1		83	122	20
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99	1		84	121	20
	1,2-Dichlorobenzene	20	19.6	ug/Kg	98	3		83	124	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2651 **Analytical Method:** SW8260D

Client: Earth Engineering Inc. **Datafile :** VY023018.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0721SBSD01	1,2-Dibromo-3-Chloropropane	20	22.0	ug/Kg	110	5		66	134	20
	1,2,4-Trichlorobenzene	20	20.0	ug/Kg	100	1		78	127	20
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100	4		70	137	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2651 **Analytical Method:** SW8260D

Client: Earth Engineering Inc. **Datafile :** VY023041.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0722SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			64	136	
	Chloromethane	20	22.2	ug/Kg	111			52	151	
	Vinyl chloride	20	21.4	ug/Kg	107			56	148	
	Bromomethane	20	24.6	ug/Kg	123			58	141	
	Chloroethane	20	22.6	ug/Kg	113			69	130	
	Trichlorofluoromethane	20	21.3	ug/Kg	106			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/Kg	102			81	123	
	1,1-Dichloroethene	20	19.8	ug/Kg	99			79	121	
	Acetone	100	110	ug/Kg	110			40	171	
	Carbon disulfide	20	20.5	ug/Kg	103			59	130	
	Methyl tert-butyl Ether	20	20.7	ug/Kg	104			77	129	
	Methyl Acetate	20	20.6	ug/Kg	103			69	149	
	Methylene Chloride	20	20.0	ug/Kg	100			72	131	
	trans-1,2-Dichloroethene	20	20.3	ug/Kg	102			80	123	
	1,1-Dichloroethane	20	21.0	ug/Kg	105			82	123	
	Cyclohexane	20	19.6	ug/Kg	98			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	19.7	ug/Kg	99			76	129	
	cis-1,2-Dichloroethene	20	20.0	ug/Kg	100			82	123	
	Bromochloromethane	20	21.7	ug/Kg	109			80	127	
	Chloroform	20	21.2	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101			80	126	
	Methylcyclohexane	20	19.2	ug/Kg	96			77	123	
	Benzene	20	20.4	ug/Kg	102			84	121	
	1,2-Dichloroethane	20	21.9	ug/Kg	110			81	126	
	Trichloroethene	20	19.5	ug/Kg	98			83	122	
	1,2-Dichloropropane	20	20.8	ug/Kg	104			83	122	
	Bromodichloromethane	20	20.8	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	20.4	ug/Kg	102			83	122	
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103			78	124	
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103			81	122	
	1,1,2-Trichloroethane	20	21.7	ug/Kg	109			82	125	
	2-Hexanone	100	100	ug/Kg	100			66	138	
	Dibromochloromethane	20	21.0	ug/Kg	105			79	125	
	1,2-Dibromoethane	20	21.3	ug/Kg	106			80	125	
	Tetrachloroethene	20	19.9	ug/Kg	100			83	125	
	Chlorobenzene	20	19.5	ug/Kg	98			84	122	
	Ethyl Benzene	20	19.3	ug/Kg	97			82	124	
	m/p-Xylenes	40	39.1	ug/Kg	98			83	124	
	o-Xylene	20	19.2	ug/Kg	96			83	123	
	Styrene	20	19.4	ug/Kg	97			82	124	
	Bromoform	20	20.6	ug/Kg	103			75	127	
	Isopropylbenzene	20	18.7	ug/Kg	94			82	124	
	1,1,2,2-Tetrachloroethane	20	20.0	ug/Kg	100			77	127	
	1,3-Dichlorobenzene	20	19.3	ug/Kg	97			83	122	
	1,4-Dichlorobenzene	20	19.3	ug/Kg	97			84	121	
	1,2-Dichlorobenzene	20	19.5	ug/Kg	98			83	124	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2651 **Analytical Method:** SW8260D

Client: Earth Engineering Inc. **Datafile :** VY023041.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0722SBS01	1,2-Dibromo-3-Chloropropane	20	21.6	ug/Kg	108			66	134	
	1,2,4-Trichlorobenzene	20	18.8	ug/Kg	94			78	127	
	1,2,3-Trichlorobenzene	20	19.4	ug/Kg	97			70	137	

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VY0721SBL01

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2651

Lab File ID: VY023016.D Lab Sample ID: VY0721SBL01

Date Analyzed: 07/21/2025 Time Analyzed: 10:39

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0721SBS01	VY0721SBS01	VY023017.D	07/21/2025
VY0721SBSD01	VY0721SBSD01	VY023018.D	07/21/2025
MH 6-5	Q2651-02	VY023031.D	07/21/2025
MH 7-6	Q2651-03	VY023032.D	07/21/2025
MH 8-7	Q2651-04	VY023033.D	07/21/2025
MH 9-8	Q2651-05	VY023034.D	07/21/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VY0722SBL01

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2651

Lab File ID: VY023040.D Lab Sample ID: VY0722SBL01

Date Analyzed: 07/22/2025 Time Analyzed: 12:47

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0722SBS01	VY0722SBS01	VY023041.D	07/22/2025
MH 2-1	Q2651-01	VY023043.D	07/22/2025
MH 9-8RE	Q2651-05RE	VY023044.D	07/22/2025

COMMENTS:

Raw Data: **VY022989.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: EARTH03

Lab Code: ACE | SDG NO.: Q2651

Lab File ID: VY022989.D | BFB Injection Date: 07/18/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 09:38

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	20.8
75	30.0 - 60.0% of mass 95	54.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	82.7
175	5.0 - 9.0% of mass 174	6 (7.3) 1
176	95.0 - 101.0% of mass 174	79.6 (96.3) 1
177	5.0 - 9.0% of mass 176	5.4 (6.8) 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	VY022990.D	07/18/2025	10:08
VSTDICC010	VSTDICC010	VY022991.D	07/18/2025	10:54
VSTDICC020	VSTDICC020	VY022992.D	07/18/2025	11:41
VSTDICCC050	VSTDICCC050	VY022993.D	07/18/2025	12:04
VSTDICC100	VSTDICC100	VY022994.D	07/18/2025	12:27
VSTDICC150	VSTDICC150	VY022995.D	07/18/2025	12:49

Raw Data: **VY023014.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: EARTH03

Lab Code: ACE | SDG NO.: Q2651

Lab File ID: VY023014.D | BFB Injection Date: 07/21/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:24

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	21
75	30.0 - 60.0% of mass 95	53.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	1 (1.1) 1
174	50.0 - 100.0% of mass 95	85.8
175	5.0 - 9.0% of mass 174	6.5 (7.5) 1
176	95.0 - 101.0% of mass 174	83.4 (97.2) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 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	VY023015.D	07/21/2025	10:08
VY0721SBL01	VY0721SBL01	VY023016.D	07/21/2025	10:39
VY0721SBS01	VY0721SBS01	VY023017.D	07/21/2025	11:13
VY0721SBSD01	VY0721SBSD01	VY023018.D	07/21/2025	11:36
MH 6-5	Q2651-02	VY023031.D	07/21/2025	16:57
MH 7-6	Q2651-03	VY023032.D	07/21/2025	17:20
MH 8-7	Q2651-04	VY023033.D	07/21/2025	17:43
MH 9-8	Q2651-05	VY023034.D	07/21/2025	18:07

Raw Data: **VY023038.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: EARTH03
Lab Code: ACE
SDG NO.: Q2651
Lab File ID: VY023038.D
BFB Injection Date: 07/22/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 08:32
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.4
75	30.0 - 60.0% of mass 95	55.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	84.2
175	5.0 - 9.0% of mass 174	6.4 (7.6) 1
176	95.0 - 101.0% of mass 174	80.3 (95.4) 1
177	5.0 - 9.0% of mass 176	5.2 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023039.D	07/22/2025	11:04
VY0722SBL01	VY0722SBL01	VY023040.D	07/22/2025	12:47
VY0722SBS01	VY0722SBS01	VY023041.D	07/22/2025	13:15
MH 2-1	Q2651-01	VY023043.D	07/22/2025	14:01
MH 9-8RE	Q2651-05RE	VY023044.D	07/22/2025	14:25

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2651

Lab File ID: VY023015.D Date Analyzed: 07/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:08

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	466550		7.71	745278		8.62	646276		11.41
UPPER LIMIT	933100		8.207	1490560		9.116	1292550		11.914
LOWER LIMIT	233275		7.207	372639		8.116	323138		10.914
EPA SAMPLE NO.									
MH 6-5	256199		7.71	497619		8.61	524826		11.41
MH 7-6	260776		7.71	508972		8.62	539054		11.41
MH 8-7	255550		7.71	497344		8.61	529238		11.41
MH 9-8	24921	*	7.71	36083	*	8.61	27729	*	11.41
VY0721SBL01	332701		7.71	625866		8.62	615563		11.41
VY0721SBS01	417337		7.71	691452		8.62	586317		11.41
VY0721SBSD01	421718		7.71	701669		8.62	590112		11.41

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2651

Lab File ID: VY023015.D Date Analyzed: 07/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:08

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

	IS4 AREA #	RT #				
12 HOUR STD	315391	13.346				
UPPER LIMIT	630782	13.846				
LOWER LIMIT	157696	12.846				
EPA SAMPLE NO.						
MH 6-5	251674	13.34				
MH 7-6	250469	13.34				
MH 8-7	236661	13.34				
MH 9-8	6236 *	13.35				
VY0721SBL01	271493	13.35				
VY0721SBS01	283751	13.35				
VY0721SBSD01	278637	13.34				

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2651

Lab File ID: VY023039.D Date Analyzed: 07/22/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:04

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	413516	7.71	654916	8.62	559169	11.41
UPPER LIMIT	827032	8.207	1309830	9.116	1118340	11.914
LOWER LIMIT	206758	7.207	327458	8.116	279585	10.914
EPA SAMPLE NO.						
MH 2-1	283867	7.71	534269	8.62	538212	11.41
MH 9-8RE	52570 *	7.71	87688 *	8.62	80835 *	11.41
VY0722SBL01	287011	7.71	554548	8.62	566307	11.41
VY0722SBS01	375622	7.71	613647	8.62	526729	11.41

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2651

Lab File ID: VY023039.D Date Analyzed: 07/22/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:04

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

	IS4 AREA #		RT #				
12 HOUR STD	265668		13.346				
UPPER LIMIT	531336		13.846				
LOWER LIMIT	132834		12.846				
EPA SAMPLE NO.							
MH 2-1	226724		13.35				
MH 9-8RE	28117	*	13.35				
VY0722SBL01	245159		13.35				
VY0722SBS01	248731		13.35				

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: **VY023043.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.5
Sample Wt/Vol:	5.18 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
VY023043.D	1	07/22/25 14:01	VY072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.10	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.10	ug/Kg
75-01-4	Vinyl Chloride	0.81	U	0.81	5.10	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.10	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.10	ug/Kg
67-64-1	Acetone	4.80	U	4.80	25.5	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.75	U	0.75	5.10	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.10	ug/Kg
75-09-2	Methylene Chloride	3.60	U	3.60	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.88	U	0.88	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.82	U	0.82	5.10	ug/Kg
110-82-7	Cyclohexane	0.81	U	0.81	5.10	ug/Kg
78-93-3	2-Butanone	6.70	U	6.70	25.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.77	U	0.77	5.10	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.10	ug/Kg
67-66-3	Chloroform	0.86	U	0.86	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	0.95	5.10	ug/Kg
108-87-2	Methylcyclohexane	0.93	U	0.93	5.10	ug/Kg
71-43-2	Benzene	0.81	U	0.81	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.81	U	0.81	5.10	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.93	U	0.93	5.10	ug/Kg
75-27-4	Bromodichloromethane	0.80	U	0.80	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	25.5	ug/Kg
108-88-3	Toluene	0.80	U	0.80	5.10	ug/Kg

Raw Data: **VY023043.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.5
Sample Wt/Vol:	5.18 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
VY023043.D	1	07/22/25 14:01	VY072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.66	U	0.66	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.94	U	0.94	5.10	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	25.5	ug/Kg
124-48-1	Dibromochloromethane	0.89	U	0.89	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.90	U	0.90	5.10	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.10	ug/Kg
108-90-7	Chlorobenzene	0.93	U	0.93	5.10	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.10	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.2	ug/Kg
95-47-6	o-Xylene	0.84	U	0.84	5.10	ug/Kg
100-42-5	Styrene	0.73	U	0.73	5.10	ug/Kg
75-25-2	Bromoform	0.88	U	0.88	5.10	ug/Kg
98-82-8	Isopropylbenzene	0.80	U	0.80	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.7		63 - 155	113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.3		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		17 - 146	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	284000	7.713			
540-36-3	1,4-Difluorobenzene	534000	8.616			
3114-55-4	Chlorobenzene-d5	538000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	227000	13.346			

Raw Data: **VY023043.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.5
Sample Wt/Vol:	5.18 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
VY023043.D	1	07/22/25 14:01	VY072225

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_Y\Data\VY072225\
Data File : VY023043.D
Acq On : 22 Jul 2025 14:01
Operator : SY/MD
Sample : Q2651-01
Misc : 5.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 2-1

Quant Time: Jul 23 02:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	283867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	534269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	538212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	226724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	163005	56.724	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.440%			
35) Dibromofluoromethane	7.634	113	173941	51.324	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.640%			
50) Toluene-d8	10.103	98	663191	49.346	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.700%			
62) 4-Bromofluorobenzene	12.402	95	231301	54.673	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.340%			

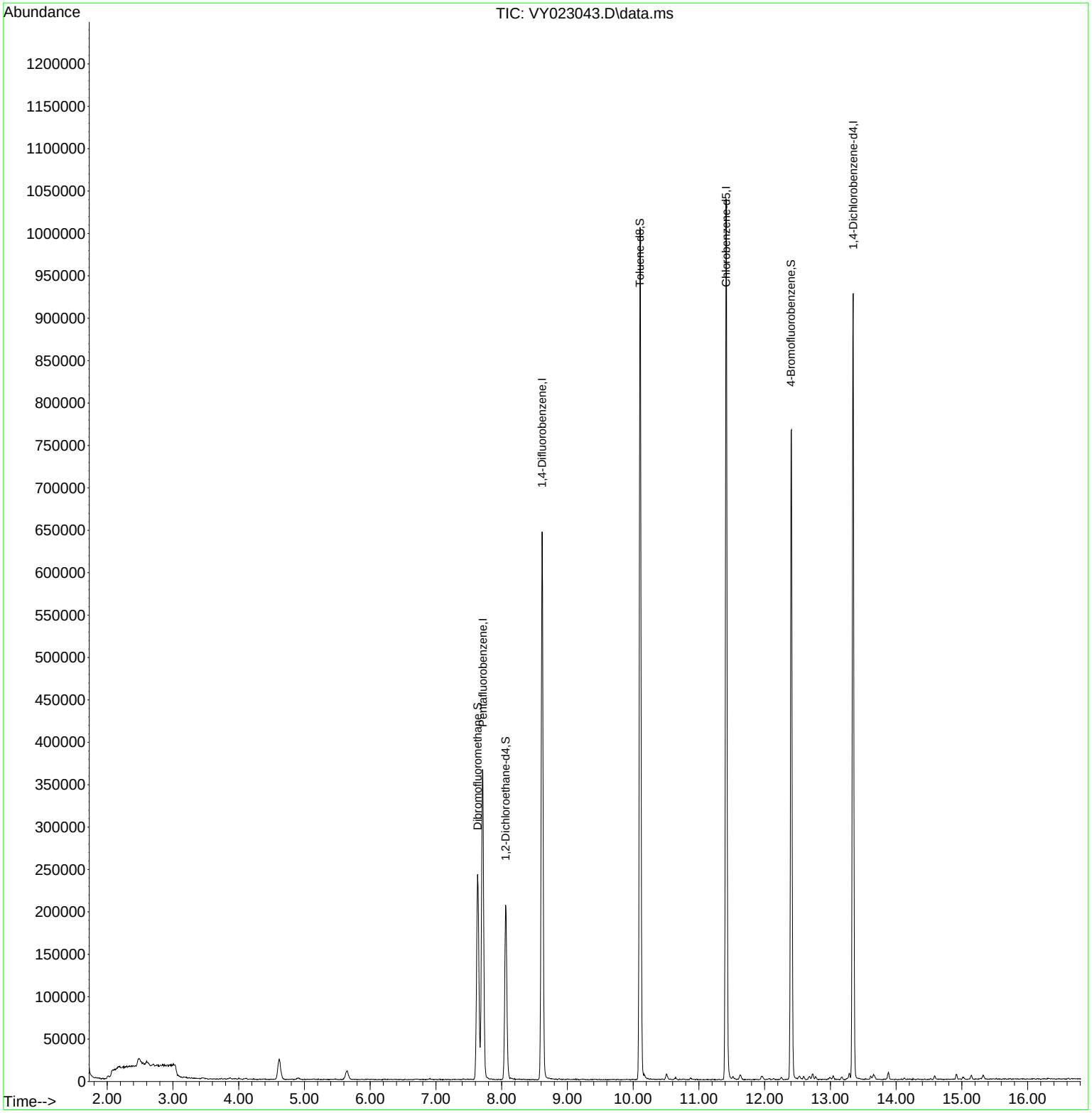
Target Compounds Qvalue

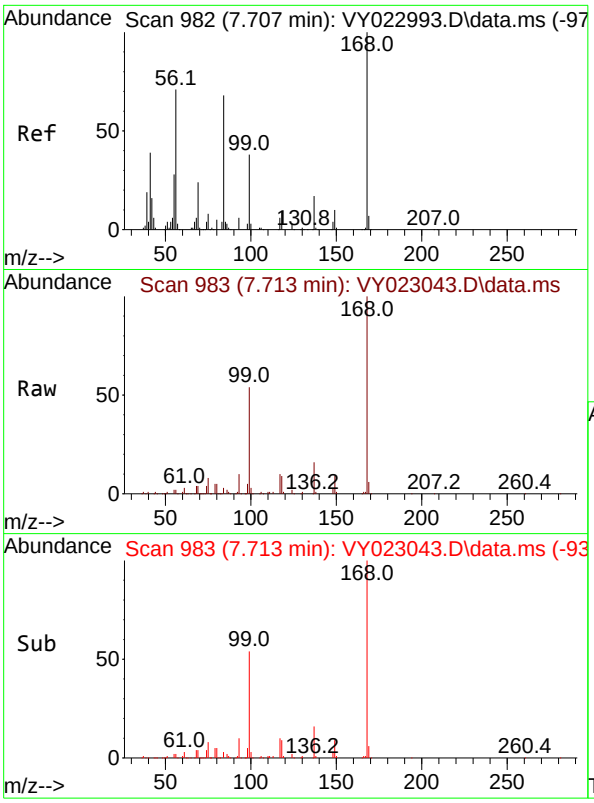
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023043.D
Acq On : 22 Jul 2025 14:01
Operator : SY/MD
Sample : Q2651-01
Misc : 5.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 2-1

Quant Time: Jul 23 02:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration



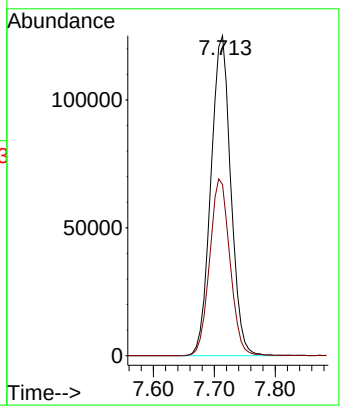


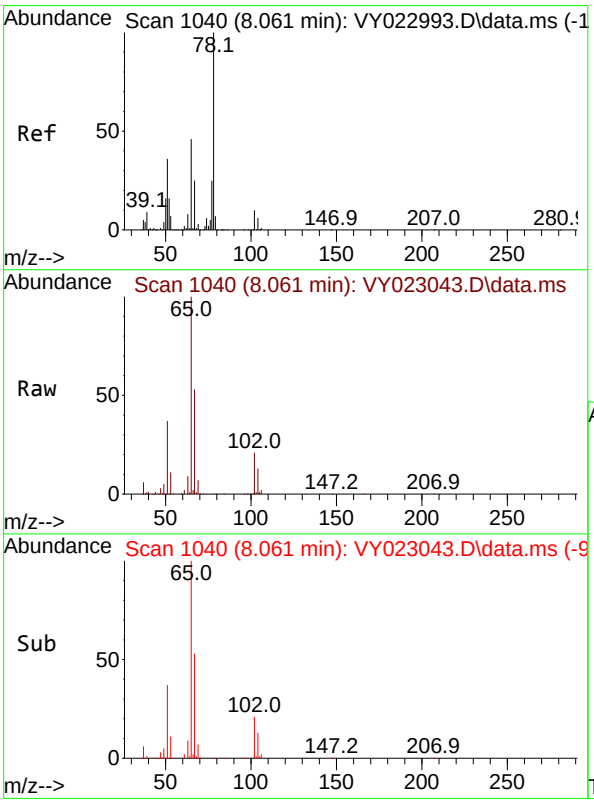
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023043.D
Acq: 22 Jul 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :
MH 2-1

Tgt Ion:168 Resp: 283867

Ion	Ratio	Lower	Upper
168	100		
99	53.5	44.4	66.6

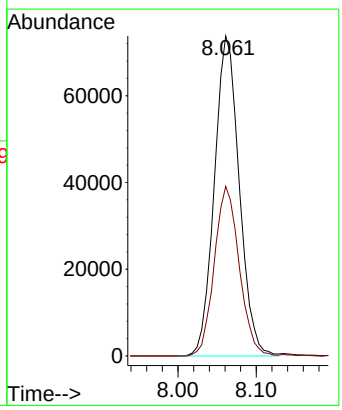


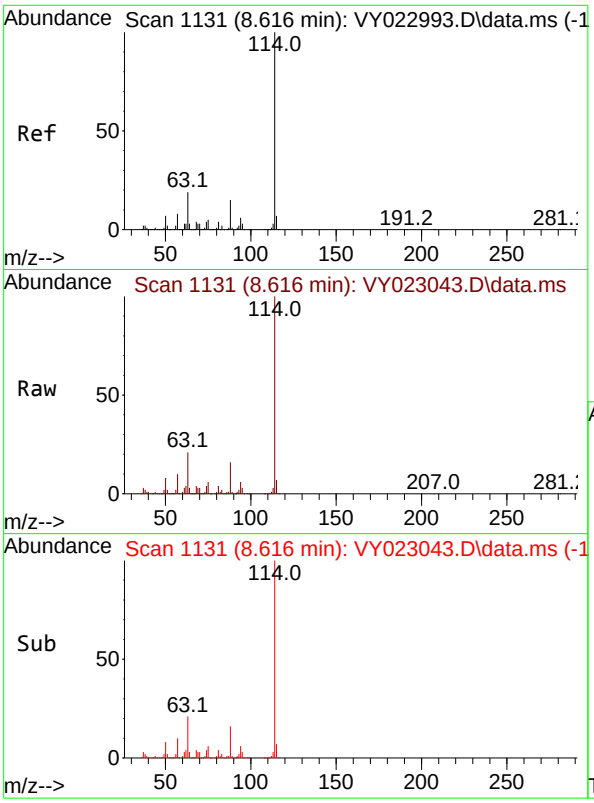


#33
1,2-Dichloroethane-d4
Concen: 56.724 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023043.D
Acq: 22 Jul 2025 14:01

Tgt Ion: 65 Resp: 163005

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	107.4



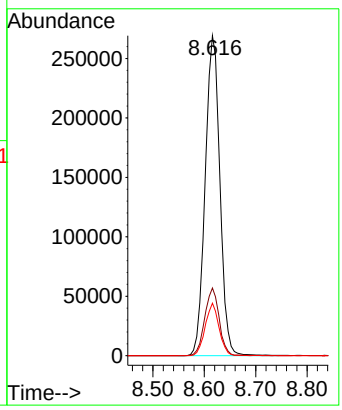


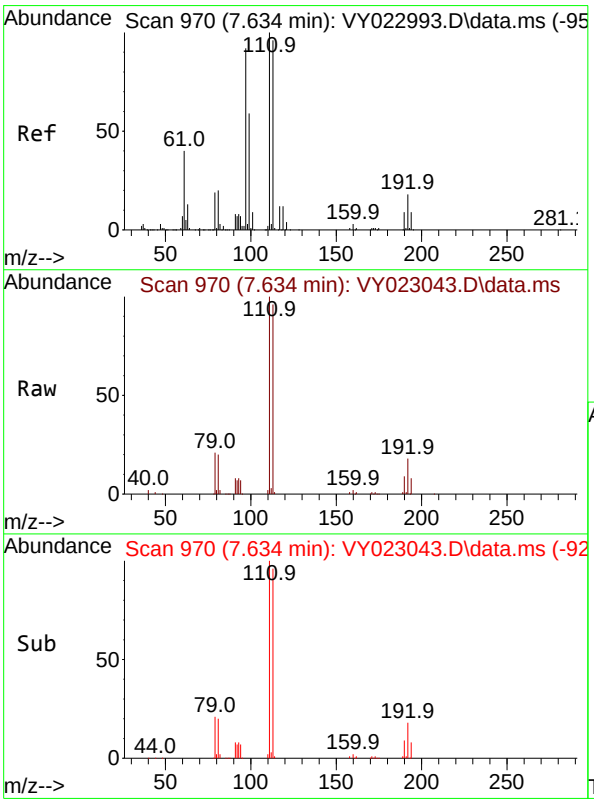
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023043.D
Acq: 22 Jul 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :
MH 2-1

Tgt Ion:114 Resp: 534269

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	38.8
88	16.4	0.0	30.2

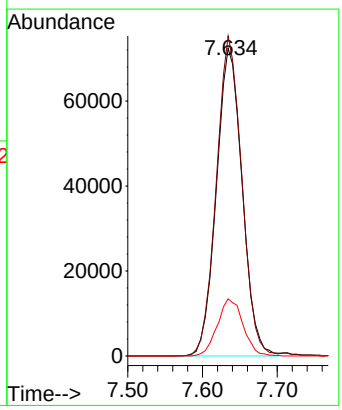


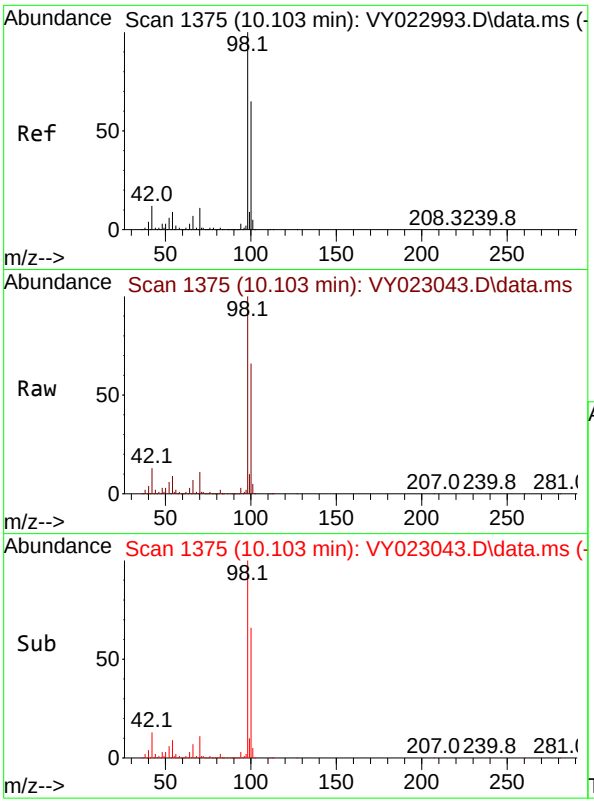


#35
Dibromofluoromethane
Concen: 51.324 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023043.D
Acq: 22 Jul 2025 14:01

Tgt Ion:113 Resp: 173941

Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.2	124.8
192	18.4	15.3	22.9



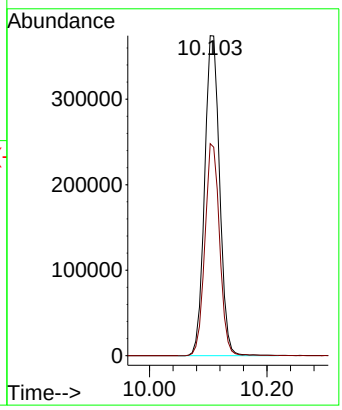


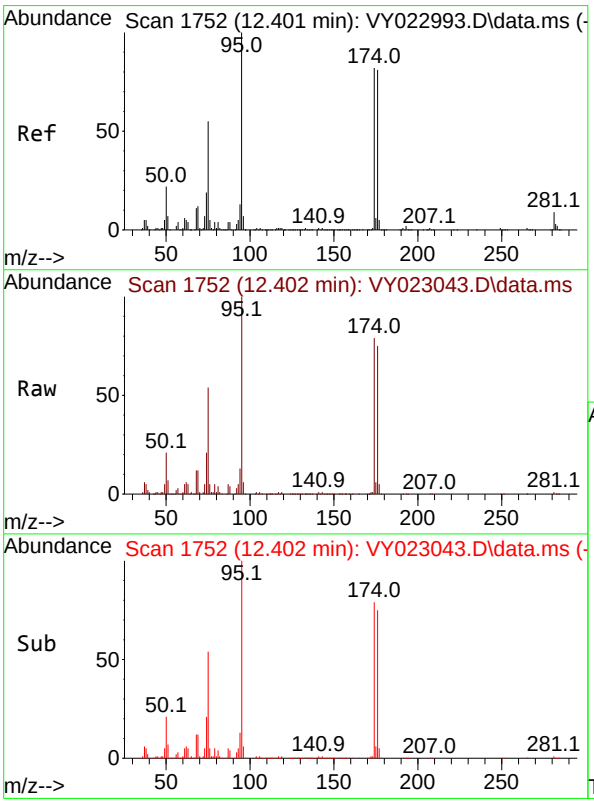
#50
Toluene-d8
Concen: 49.346 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023043.D
Acq: 22 Jul 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :
MH 2-1

Tgt Ion: 98 Resp: 663191

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2

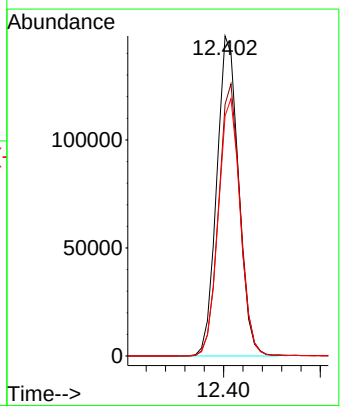


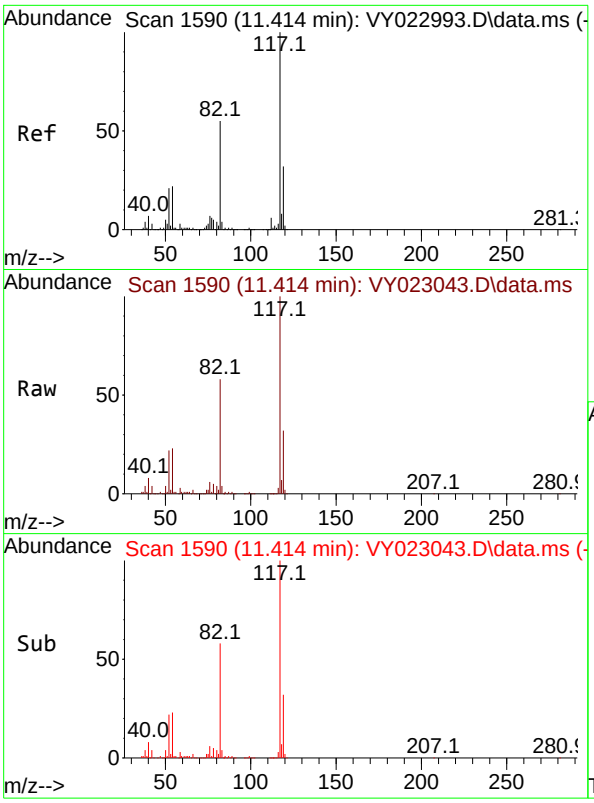


#62
4-Bromofluorobenzene
Concen: 54.673 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023043.D
Acq: 22 Jul 2025 14:01

Tgt Ion: 95 Resp: 231301

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	170.8
176	81.1	0.0	163.6



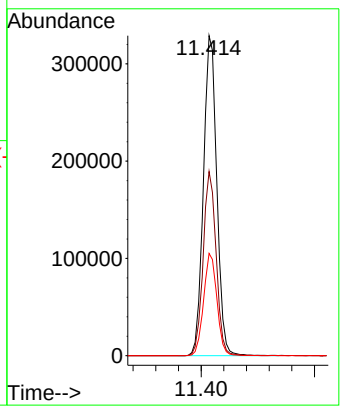


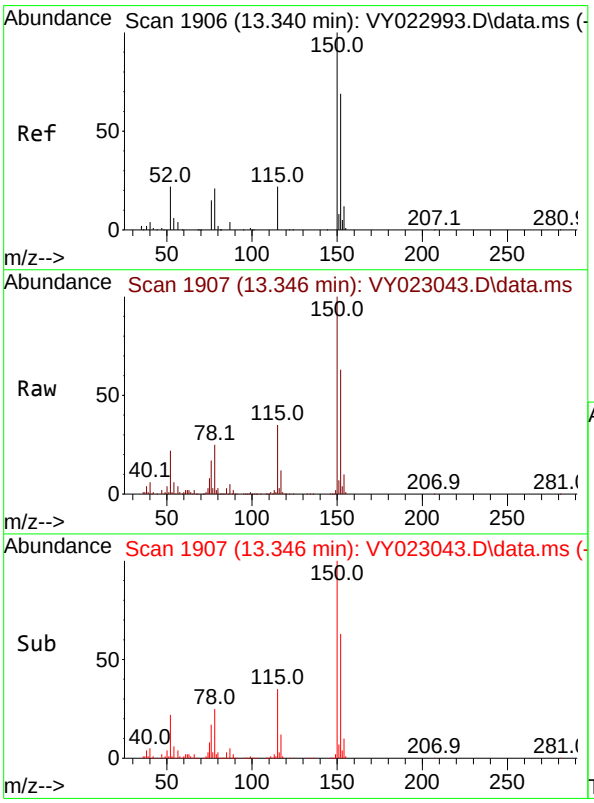
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023043.D
Acq: 22 Jul 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :
MH 2-1

Tgt Ion:117 Resp: 538212

Ion	Ratio	Lower	Upper
117	100		
82	57.6	44.3	66.5
119	32.0	25.8	38.8

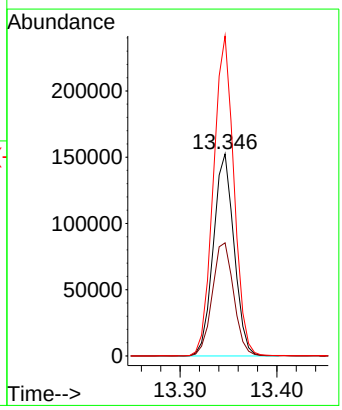




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023043.D
Acq: 22 Jul 2025 14:01

Tgt Ion:152 Resp: 226724

Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.4	88.2
150	157.1	0.0	350.0



Sample Results: **VY023043.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023043.D
Acq On : 22 Jul 2025 14:01
Operator : SY/MD
Sample : Q2651-01
Misc : 5.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 2-1

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Title : SW846 8260

Signal : TIC: VY023043.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	464	475	490	rVB2	24031	76757	4.33%	0.815%
2	5.647	634	644	656	rBV5	10455	34507	1.95%	0.366%
3	7.634	960	970	976	rBV	242036	580733	32.80%	6.163%
4	7.707	976	982	995	rVB	364263	850251	48.02%	9.023%
5	8.061	1031	1040	1050	rBV	205657	464977	26.26%	4.934%
6	8.616	1120	1131	1146	rBV	646282	1276218	72.08%	13.544%
7	10.103	1367	1375	1384	rBV	1005407	1770660	100.00%	18.791%
8	11.414	1583	1590	1603	rBV	1038543	1688759	95.37%	17.922%
9	12.408	1743	1753	1766	rBV	765854	1258310	71.06%	13.353%
10	13.346	1900	1907	1917	rVB	925505	1421903	80.30%	15.090%

Sum of corrected areas: 9423075

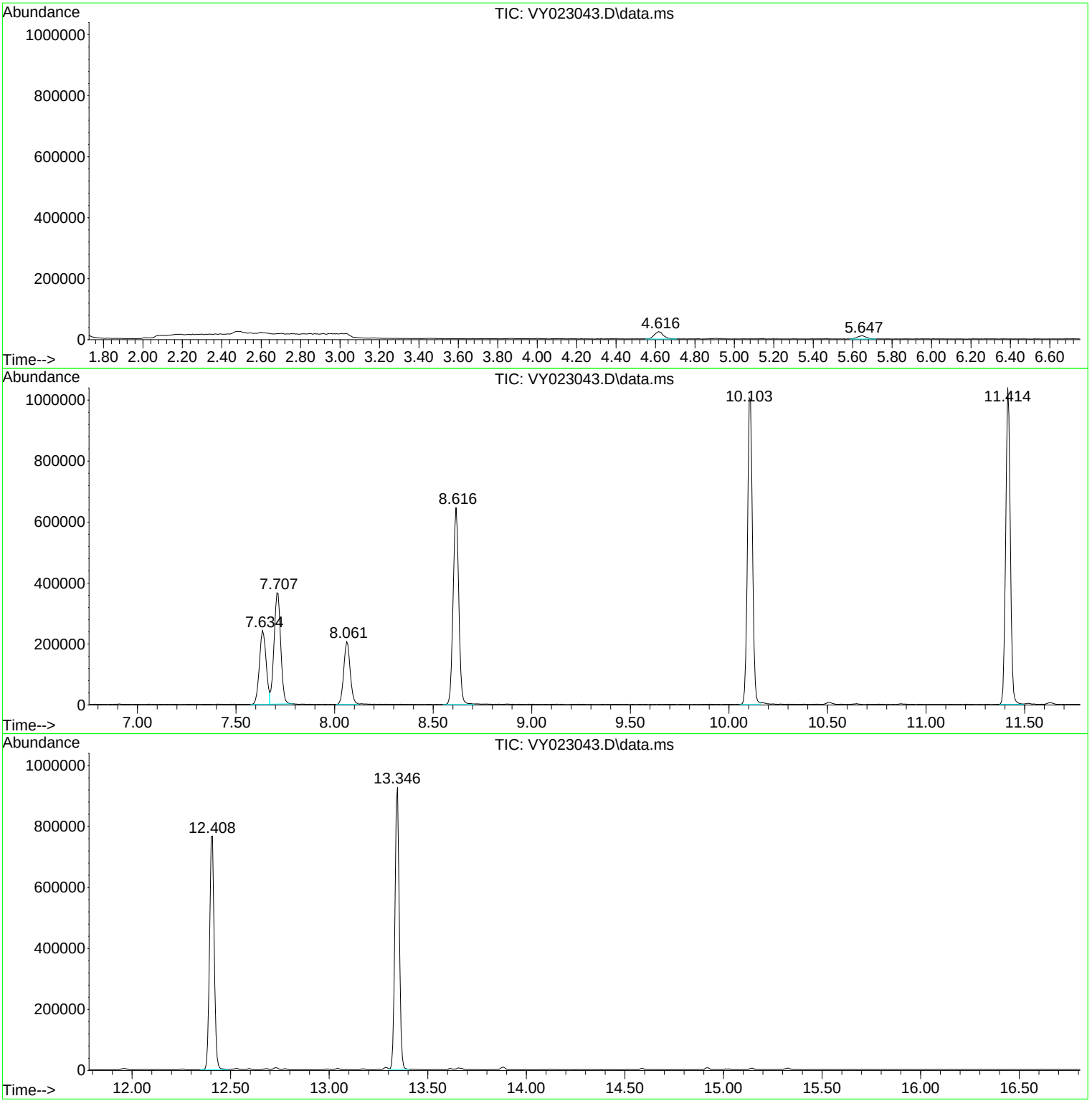
Sample Results: **VY023043.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023043.D
Acq On : 22 Jul 2025 14:01
Operator : SY/MD
Sample : Q2651-01
Misc : 5.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 2-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023043.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023043.D
Acq On : 22 Jul 2025 14:01
Operator : SY/MD
Sample : Q2651-01
Misc : 5.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 2-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.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_Y\Data\VY072225\
Data File : VY023043.D
Acq On : 22 Jul 2025 14:01
Operator : SY/MD
Sample : Q2651-01
Misc : 5.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 2-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.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: **VY023031.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.8
Sample Wt/Vol:	5.03 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
VY023031.D	1	07/21/25 16:57	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.30	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.30	ug/Kg
75-01-4	Vinyl Chloride	0.84	U	0.84	5.30	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.30	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.30	ug/Kg
67-64-1	Acetone	5.00	U	5.00	26.5	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.77	U	0.77	5.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.30	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.91	U	0.91	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	5.30	ug/Kg
110-82-7	Cyclohexane	0.84	U	0.84	5.30	ug/Kg
78-93-3	2-Butanone	6.90	U	6.90	26.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.79	U	0.79	5.30	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.30	ug/Kg
67-66-3	Chloroform	0.89	U	0.89	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	U	0.99	5.30	ug/Kg
108-87-2	Methylcyclohexane	0.96	U	0.96	5.30	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.84	U	0.84	5.30	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.96	U	0.96	5.30	ug/Kg
75-27-4	Bromodichloromethane	0.83	U	0.83	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.5	ug/Kg
108-88-3	Toluene	0.83	U	0.83	5.30	ug/Kg

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.8
Sample Wt/Vol:	5.03 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
VY023031.D	1	07/21/25 16:57	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.69	U	0.69	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.66	U	0.66	5.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.97	U	0.97	5.30	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	26.5	ug/Kg
124-48-1	Dibromochloromethane	0.92	U	0.92	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.93	U	0.93	5.30	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.30	ug/Kg
108-90-7	Chlorobenzene	0.96	U	0.96	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.30	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.6	ug/Kg
95-47-6	o-Xylene	0.87	U	0.87	5.30	ug/Kg
100-42-5	Styrene	0.75	U	0.75	5.30	ug/Kg
75-25-2	Bromoform	0.91	U	0.91	5.30	ug/Kg
98-82-8	Isopropylbenzene	0.83	U	0.83	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	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	3.40	U	3.40	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.3		63 - 155	127%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.4		17 - 146	119%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	256000	7.707			
540-36-3	1,4-Difluorobenzene	498000	8.609			
3114-55-4	Chlorobenzene-d5	525000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	252000	13.34			

Raw Data: **VY023031.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.8
Sample Wt/Vol:	5.03 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
VY023031.D	1	07/21/25 16:57	VY072125

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_Y\Data\VY072125\
Data File : VY023031.D
Acq On : 21 Jul 2025 16:57
Operator : SY/MD
Sample : Q2651-02
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

Quant Time: Jul 22 04:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	256199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	497619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	524826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	251674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164285	63.343	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.680%			
35) Dibromofluoromethane	7.628	113	165849	52.541	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.080%			
50) Toluene-d8	10.103	98	629720	50.306	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.620%			
62) 4-Bromofluorobenzene	12.401	95	234204	59.437	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 118.880%			

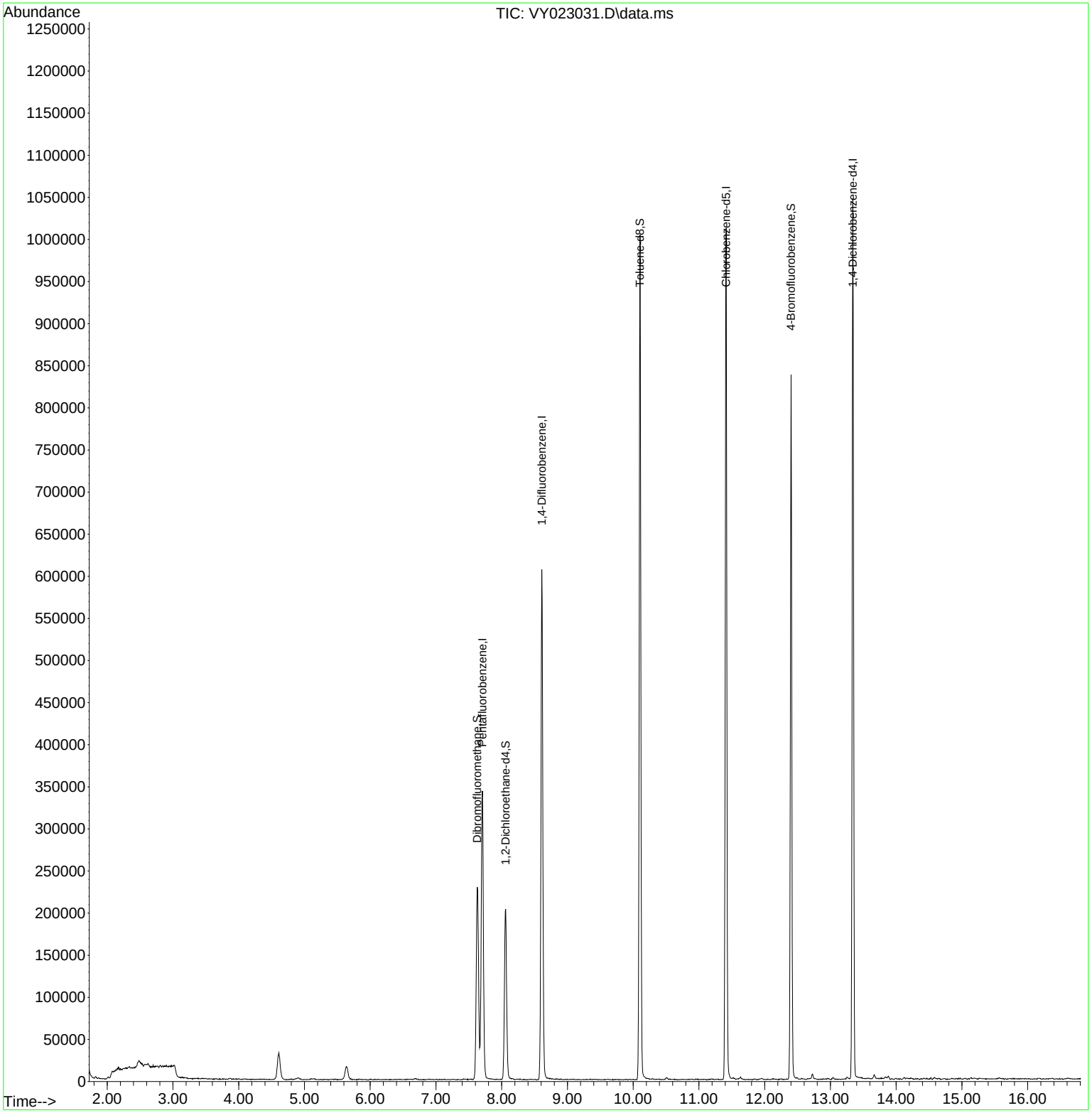
Target Compounds Qvalue

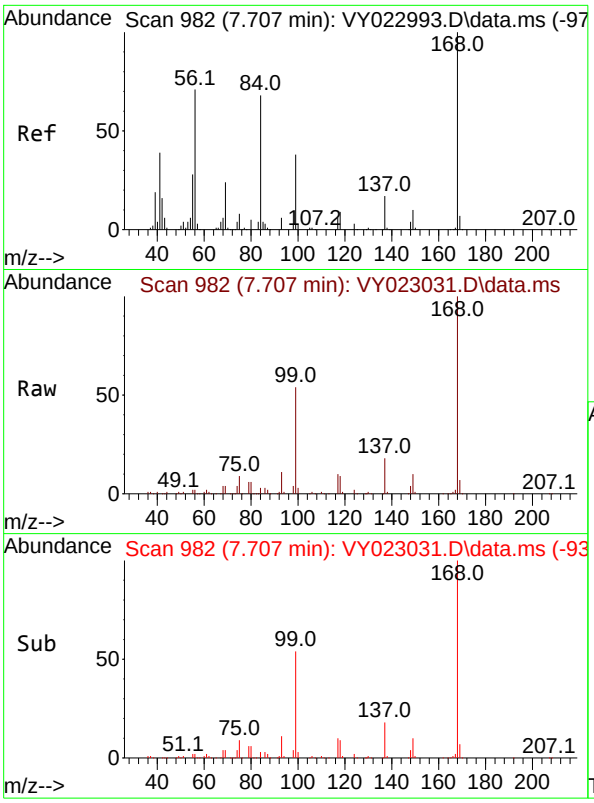
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023031.D
Acq On : 21 Jul 2025 16:57
Operator : SY/MD
Sample : Q2651-02
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

Quant Time: Jul 22 04:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration



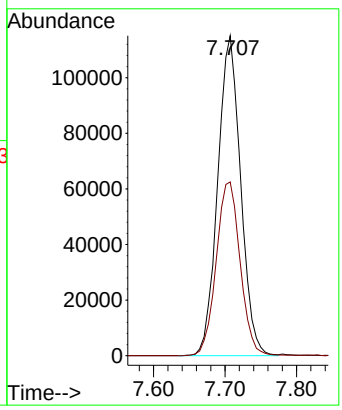


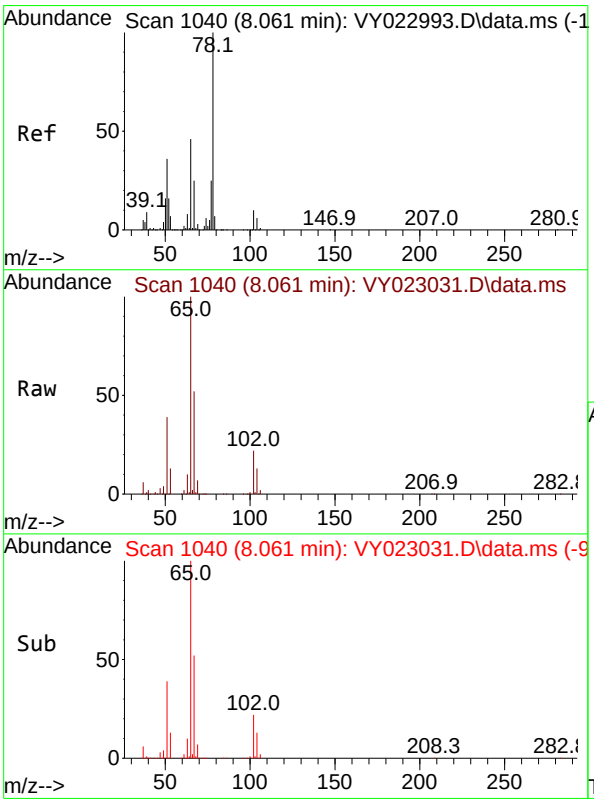
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

Tgt Ion:168 Resp: 256199

Ion	Ratio	Lower	Upper
168	100		
99	54.3	44.4	66.6

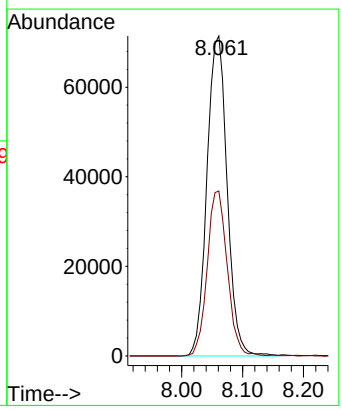


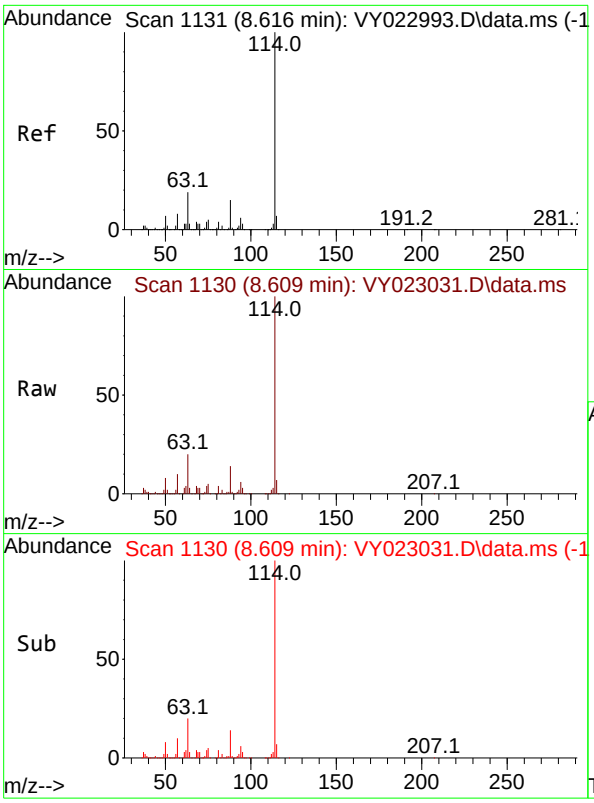


#33
1,2-Dichloroethane-d4
Concen: 63.343 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion: 65 Resp: 164285

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	107.4



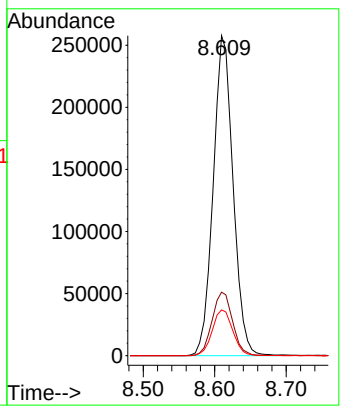


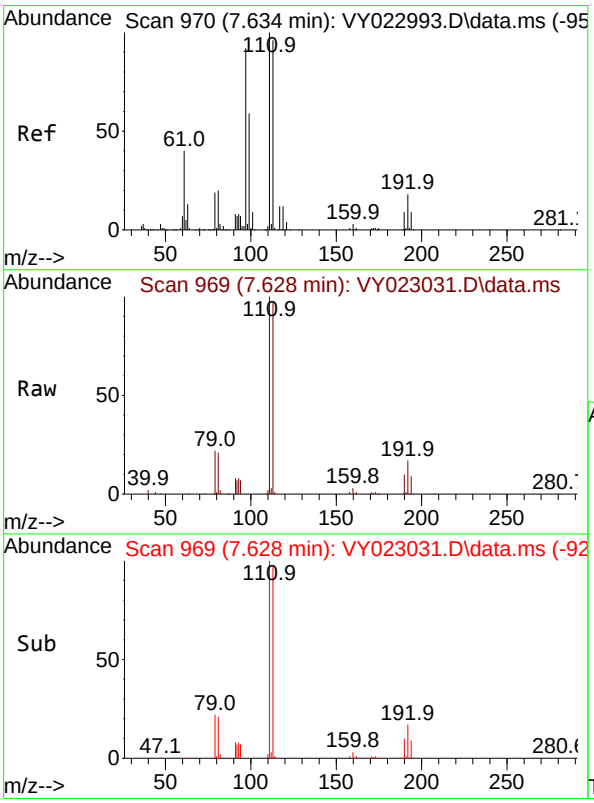
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

Tgt Ion:114 Resp: 497619

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	38.8
88	14.3	0.0	30.2

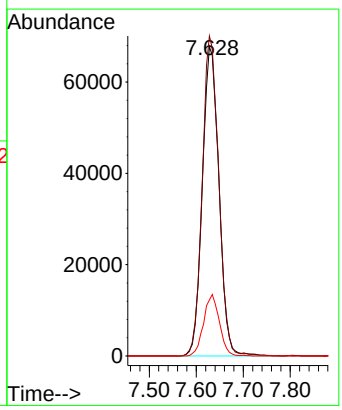


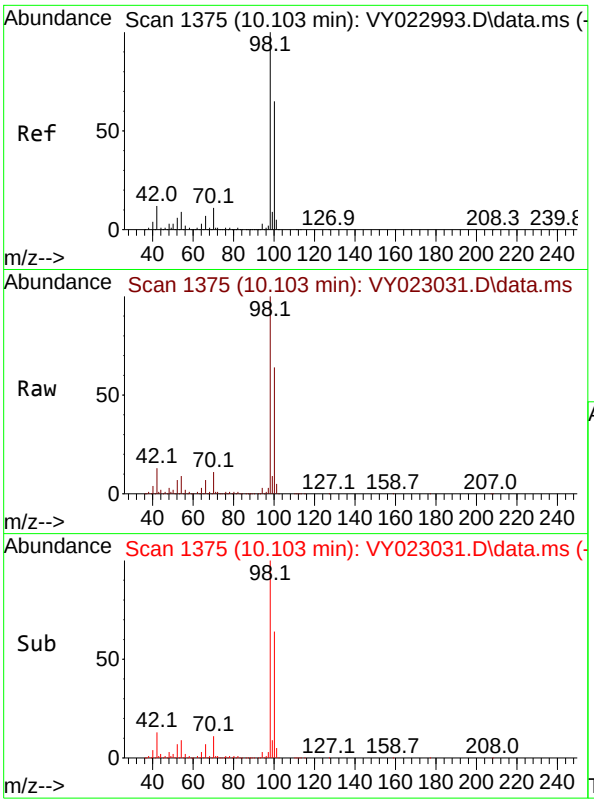


#35
Dibromofluoromethane
Concen: 52.541 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion:113 Resp: 165849

Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.2	124.8
192	18.9	15.3	22.9



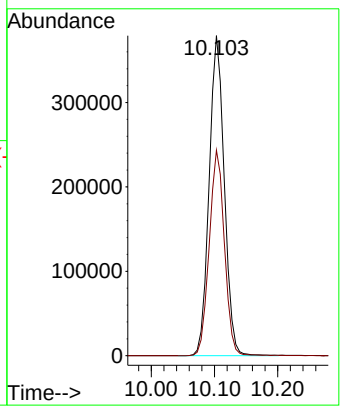


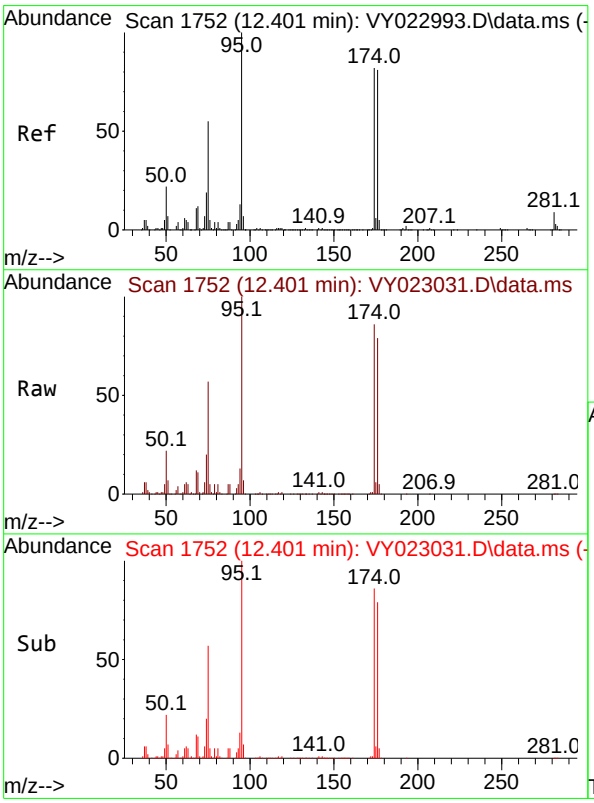
#50
Toluene-d8
Concen: 50.306 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

Tgt Ion: 98 Resp: 629720

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.2

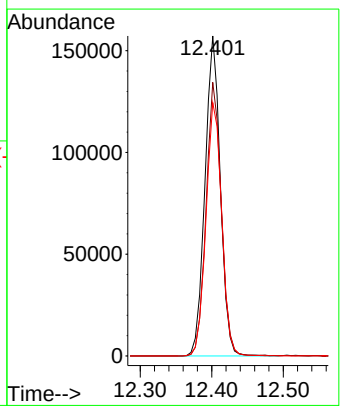


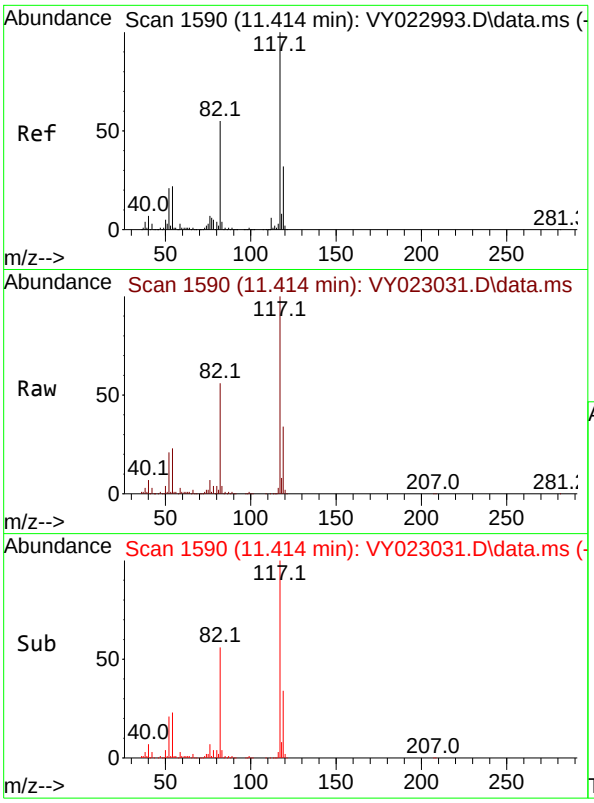


#62
4-Bromofluorobenzene
Concen: 59.437 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion: 95 Resp: 234204

Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	170.8
176	81.4	0.0	163.6



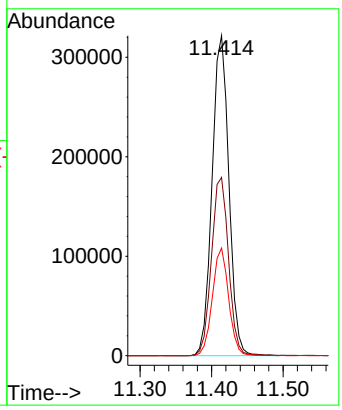


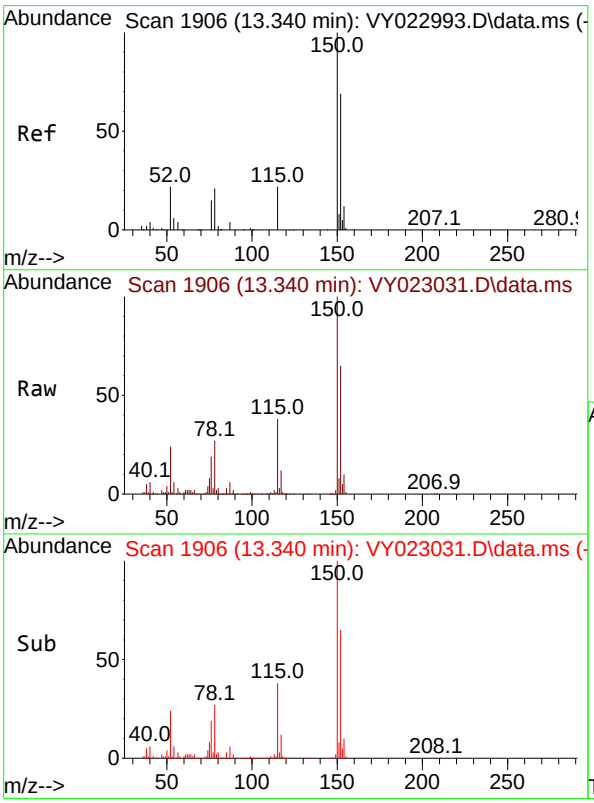
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

Tgt Ion:117 Resp: 524826

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.3	66.5
119	33.7	25.8	38.8

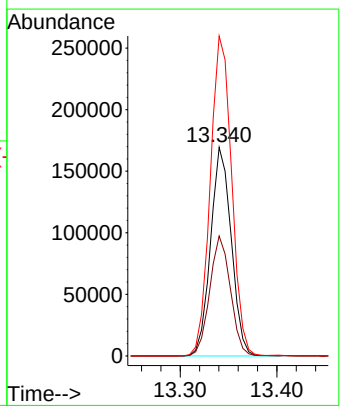




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion:152 Resp: 251674

Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.4	88.2
150	158.1	0.0	350.0



Sample Results: **VY023031.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023031.D
Acq On : 21 Jul 2025 16:57
Operator : SY/MD
Sample : Q2651-02
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

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_Y\methods\82Y071825S.M
Title : SW846 8260

Signal : TIC: VY023031.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	2.086	52	60	61	rBV5	7917	17298	1.02%	0.184%
2	2.482	119	125	136	rVB10	6904	23510	1.39%	0.251%
3	4.610	464	474	487	rVB	31604	96155	5.69%	1.025%
4	5.640	630	643	652	rBV5	15373	49203	2.91%	0.524%
5	7.628	959	969	975	rBV	228892	557529	33.00%	5.942%
6	7.707	975	982	999	rVB	342103	787245	46.59%	8.391%
7	8.061	1030	1040	1051	rBV	202487	464983	27.52%	4.956%
8	8.609	1121	1130	1143	rBV	606000	1186015	70.20%	12.641%
9	10.103	1367	1375	1390	rBV	1003652	1689559	100.00%	18.008%
10	11.414	1582	1590	1602	rBV	1010724	1663288	98.45%	17.728%
11	12.401	1744	1752	1763	rBV	836203	1262443	74.72%	13.455%
12	13.340	1898	1906	1915	rBV	1045340	1585135	93.82%	16.895%

Sum of corrected areas: 9382363

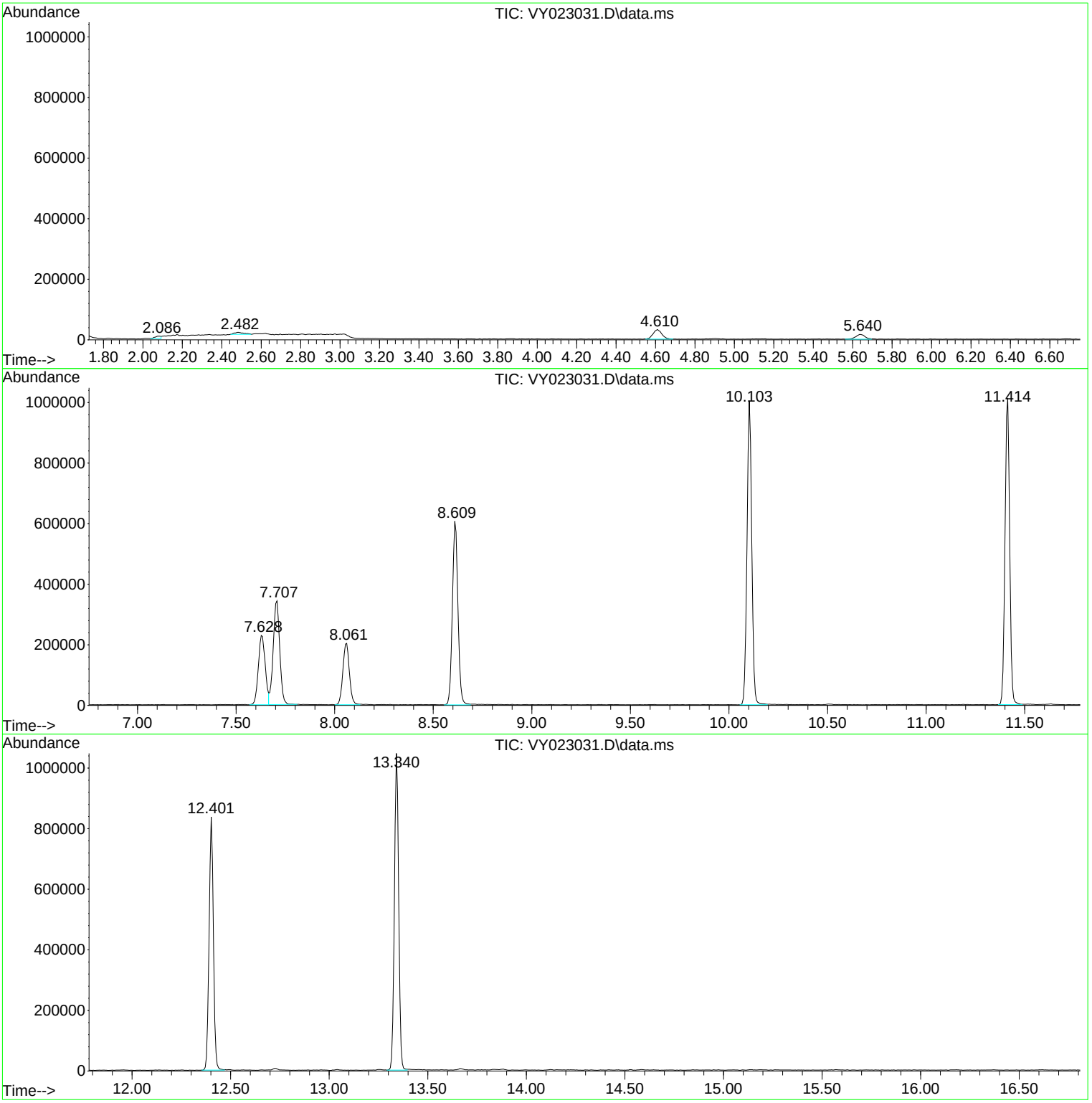
Sample Results: **VY023031.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023031.D
Acq On : 21 Jul 2025 16:57
Operator : SY/MD
Sample : Q2651-02
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023031.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023031.D
Acq On : 21 Jul 2025 16:57
Operator : SY/MD
Sample : Q2651-02
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.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_Y\Data\VY072125\
Data File : VY023031.D
Acq On : 21 Jul 2025 16:57
Operator : SY/MD
Sample : Q2651-02
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.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: **VY023032.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.9
Sample Wt/Vol:	5.07 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
VY023032.D	1	07/21/25 17:20	VY072125

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

Raw Data: **VY023032.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.9
Sample Wt/Vol:	5.07 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
VY023032.D	1	07/21/25 17:20	VY072125

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	0.92	U	0.92	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	63.5		63 - 155	127%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	49.7		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.6		17 - 146	119%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	261000	7.707			
540-36-3	1,4-Difluorobenzene	509000	8.616			
3114-55-4	Chlorobenzene-d5	539000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	250000	13.34			

Raw Data: **VY023032.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.9
Sample Wt/Vol:	5.07 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
VY023032.D	1	07/21/25 17:20	VY072125

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_Y\Data\VY072125\
Data File : VY023032.D
Acq On : 21 Jul 2025 17:20
Operator : SY/MD
Sample : Q2651-03
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

Quant Time: Jul 22 04:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

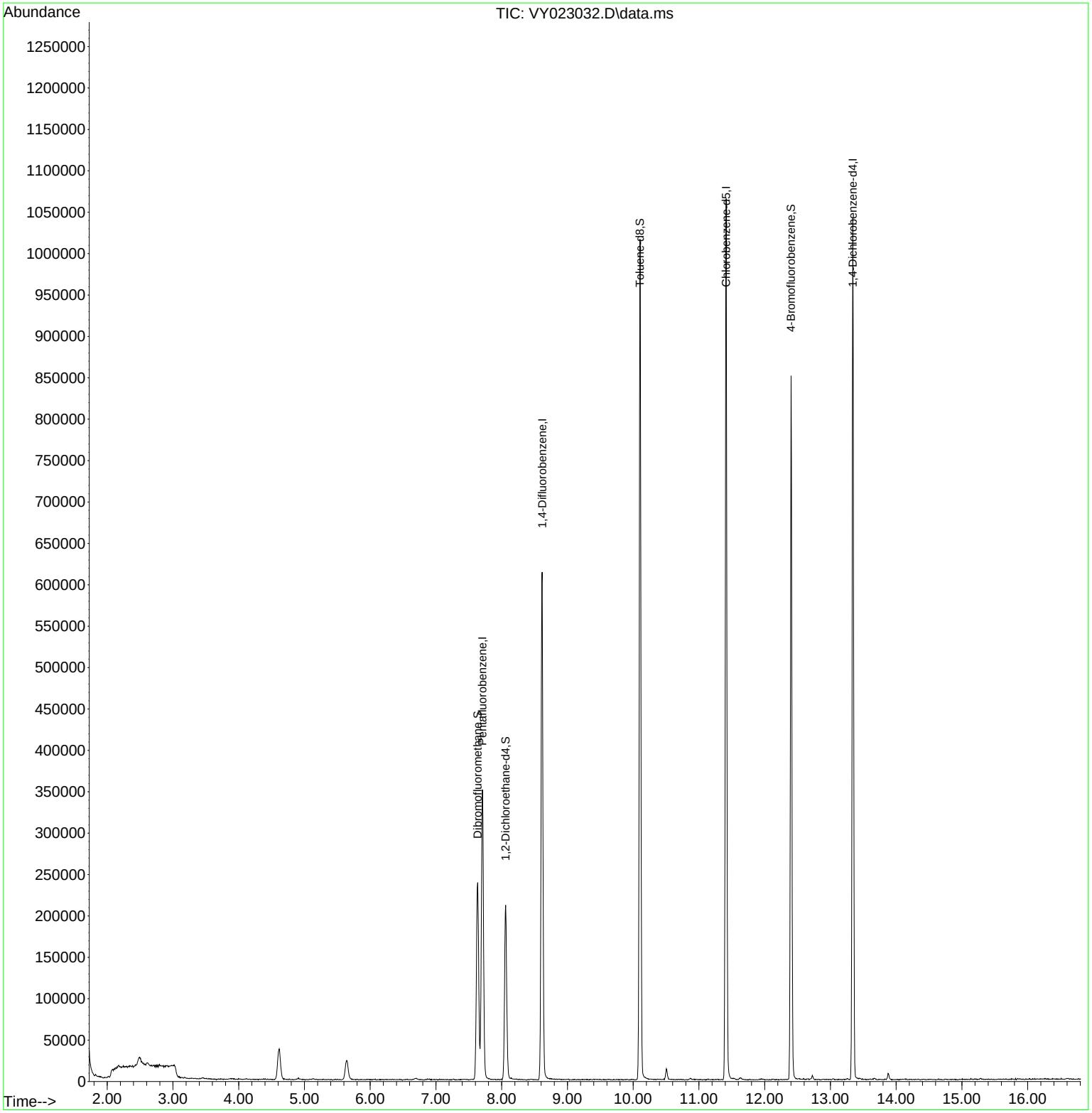
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	260776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	508972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	539054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	250469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167746	63.542	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.080%			
35) Dibromofluoromethane	7.634	113	171494	53.117	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.240%			
50) Toluene-d8	10.103	98	636556	49.718	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.440%			
62) 4-Bromofluorobenzene	12.402	95	240368	59.640	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 119.280%			
Target Compounds						Qvalue

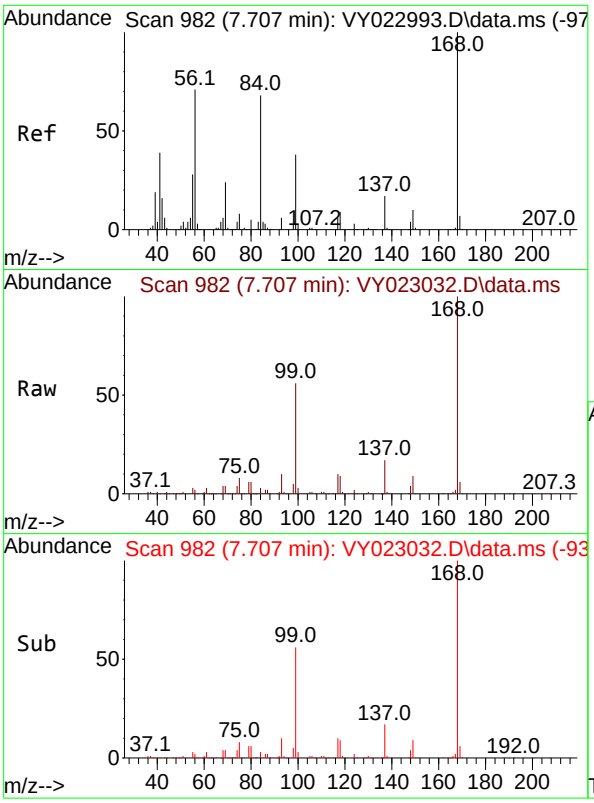
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023032.D
Acq On : 21 Jul 2025 17:20
Operator : SY/MD
Sample : Q2651-03
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

Quant Time: Jul 22 04:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration



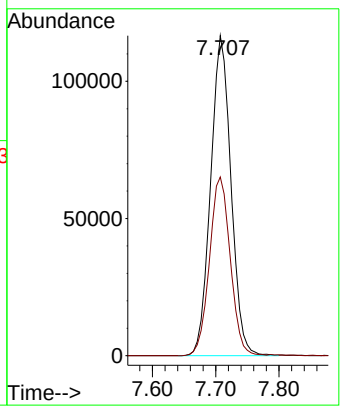


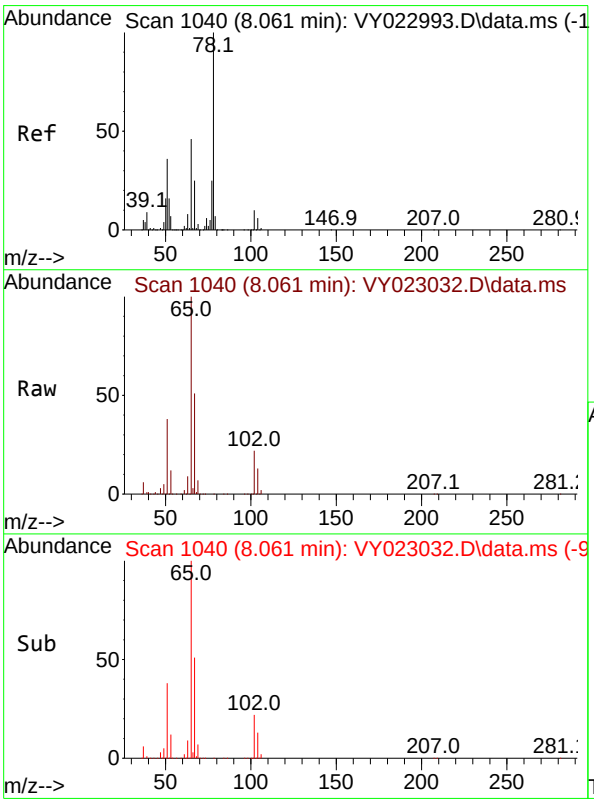
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

Tgt Ion:168 Resp: 260776

Ion	Ratio	Lower	Upper
168	100		
99	55.8	44.4	66.6

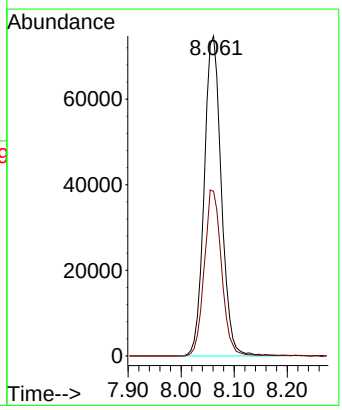


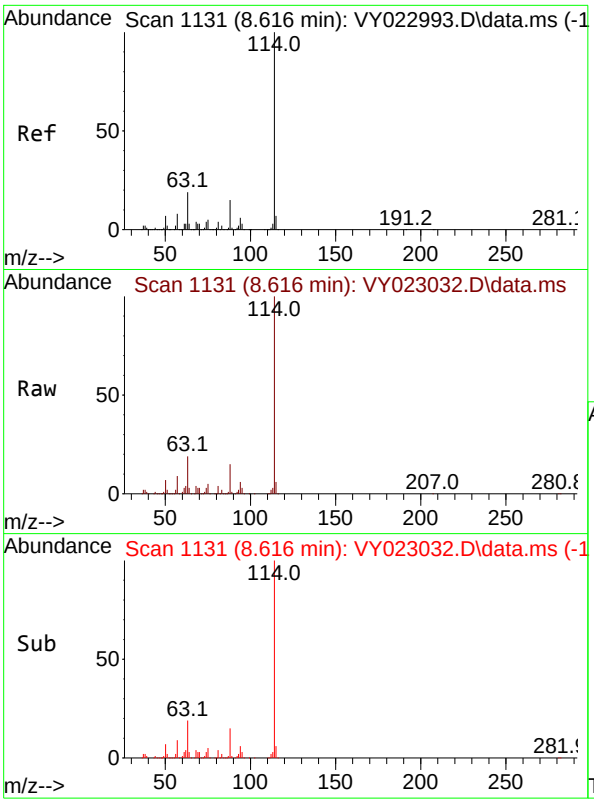


#33
1,2-Dichloroethane-d4
Concen: 63.542 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Tgt Ion: 65 Resp: 167746

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	107.4



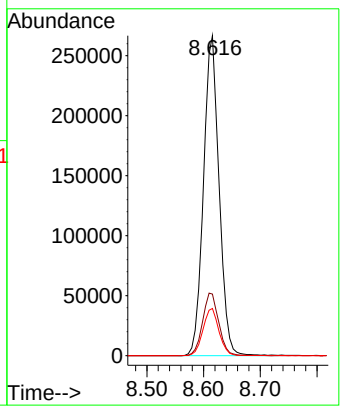


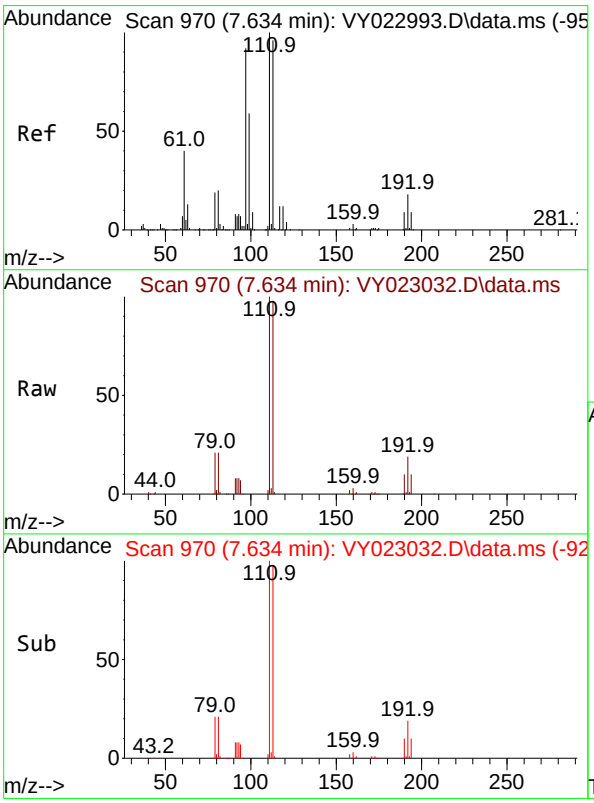
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

Tgt Ion:114 Resp: 508972

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.8
88	14.8	0.0	30.2

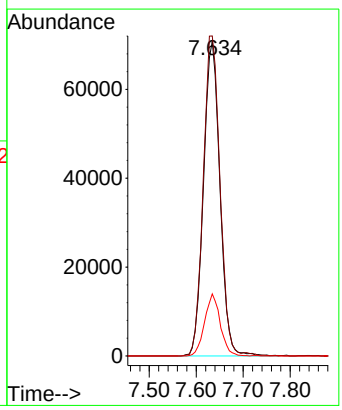


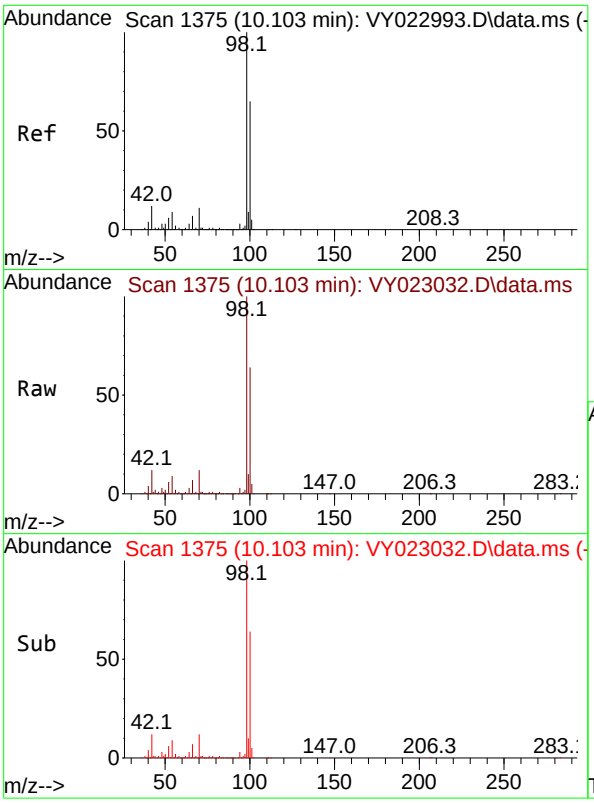


#35
Dibromofluoromethane
Concen: 53.117 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Tgt Ion:113 Resp: 171494

Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.2	124.8
192	18.8	15.3	22.9



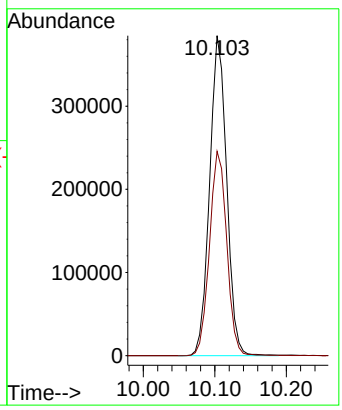


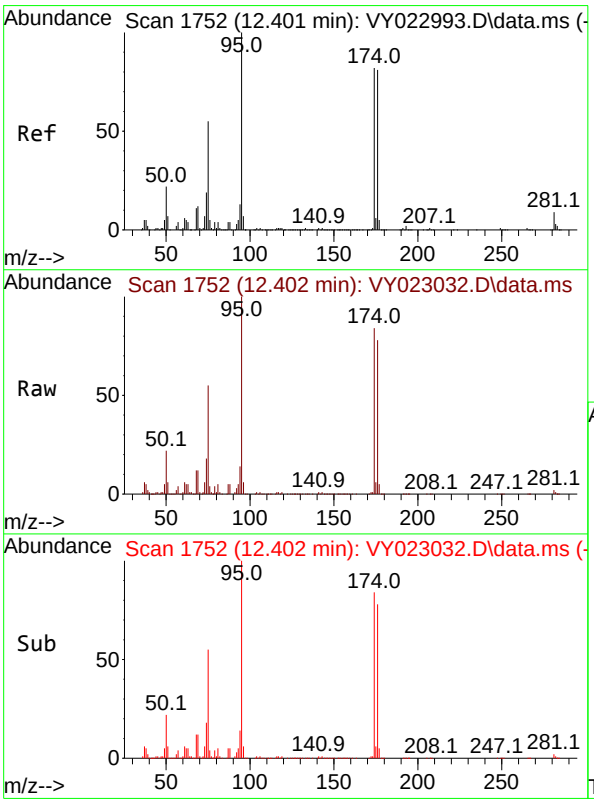
#50
Toluene-d8
Concen: 49.718 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

Tgt Ion: 98 Resp: 636556

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2

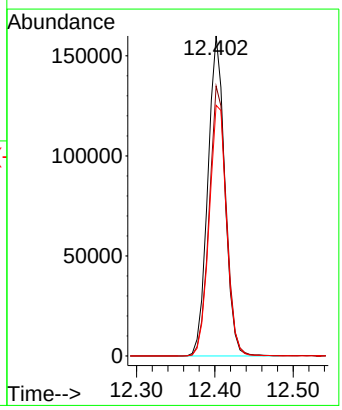


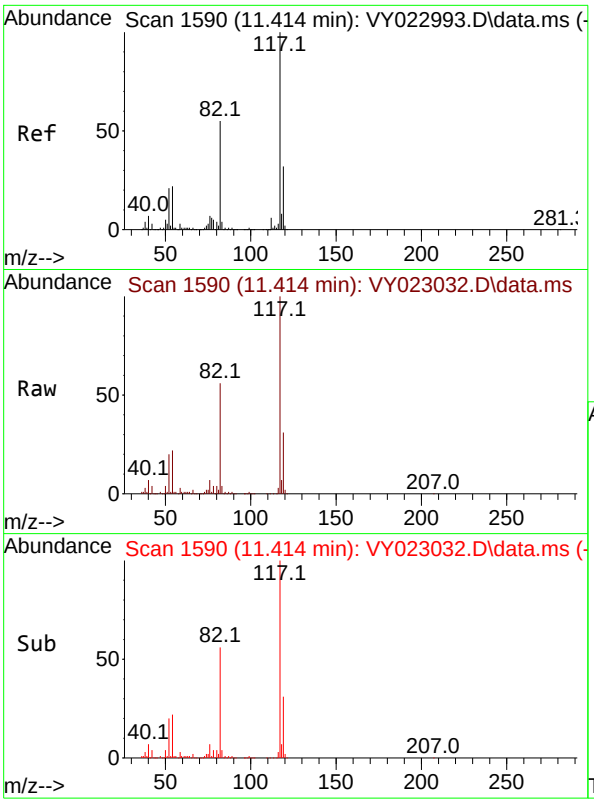


#62
4-Bromofluorobenzene
Concen: 59.640 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Tgt Ion: 95 Resp: 240368

Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	170.8
176	80.6	0.0	163.6



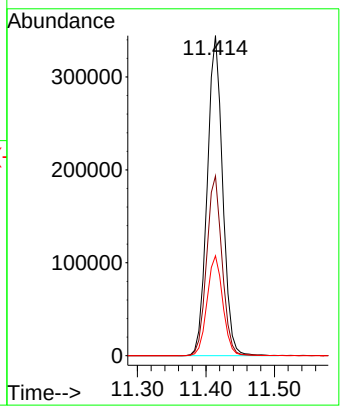


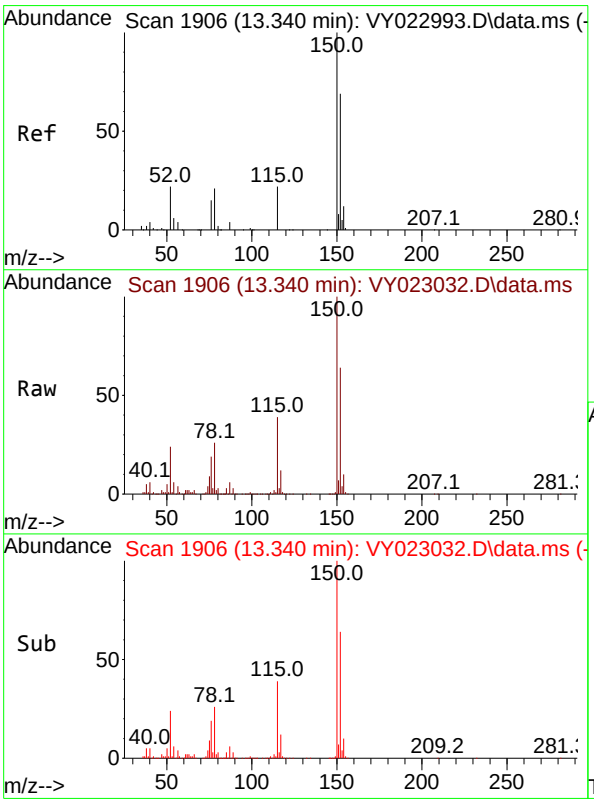
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

Tgt Ion:117 Resp: 539054

Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.3	66.5
119	31.2	25.8	38.8

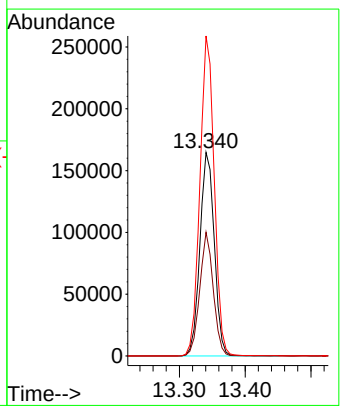




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Tgt Ion:152 Resp: 250469

Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.4	88.2
150	156.6	0.0	350.0



Sample Results: **VY023032.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023032.D
Acq On : 21 Jul 2025 17:20
Operator : SY/MD
Sample : Q2651-03
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

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_Y\methods\82Y071825S.M
Title : SW846 8260

Signal : TIC: VY023032.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	52	59	61	rBV2	9799	22064	1.29%	0.230%
2	4.616	463	475	486	rBV	37322	117826	6.91%	1.230%
3	5.641	630	643	655	rBV4	23422	76848	4.50%	0.802%
4	7.634	959	970	976	rBV	237959	579381	33.96%	6.046%
5	7.707	976	982	997	rVB	349573	792969	46.48%	8.275%
6	8.061	1031	1040	1051	rBV	211017	476330	27.92%	4.971%
7	8.616	1121	1131	1146	rBV	613538	1214759	71.20%	12.677%
8	10.103	1364	1375	1386	rBV	1015567	1706105	100.00%	17.804%
9	10.506	1436	1441	1446	rBV	13124	22849	1.34%	0.238%
10	11.414	1582	1590	1602	rBV	1064360	1696180	99.42%	17.701%
11	12.402	1745	1752	1764	rBV	849485	1315627	77.11%	13.729%
12	13.340	1899	1906	1919	rBV	1040298	1561685	91.54%	16.297%

Sum of corrected areas: 9582623

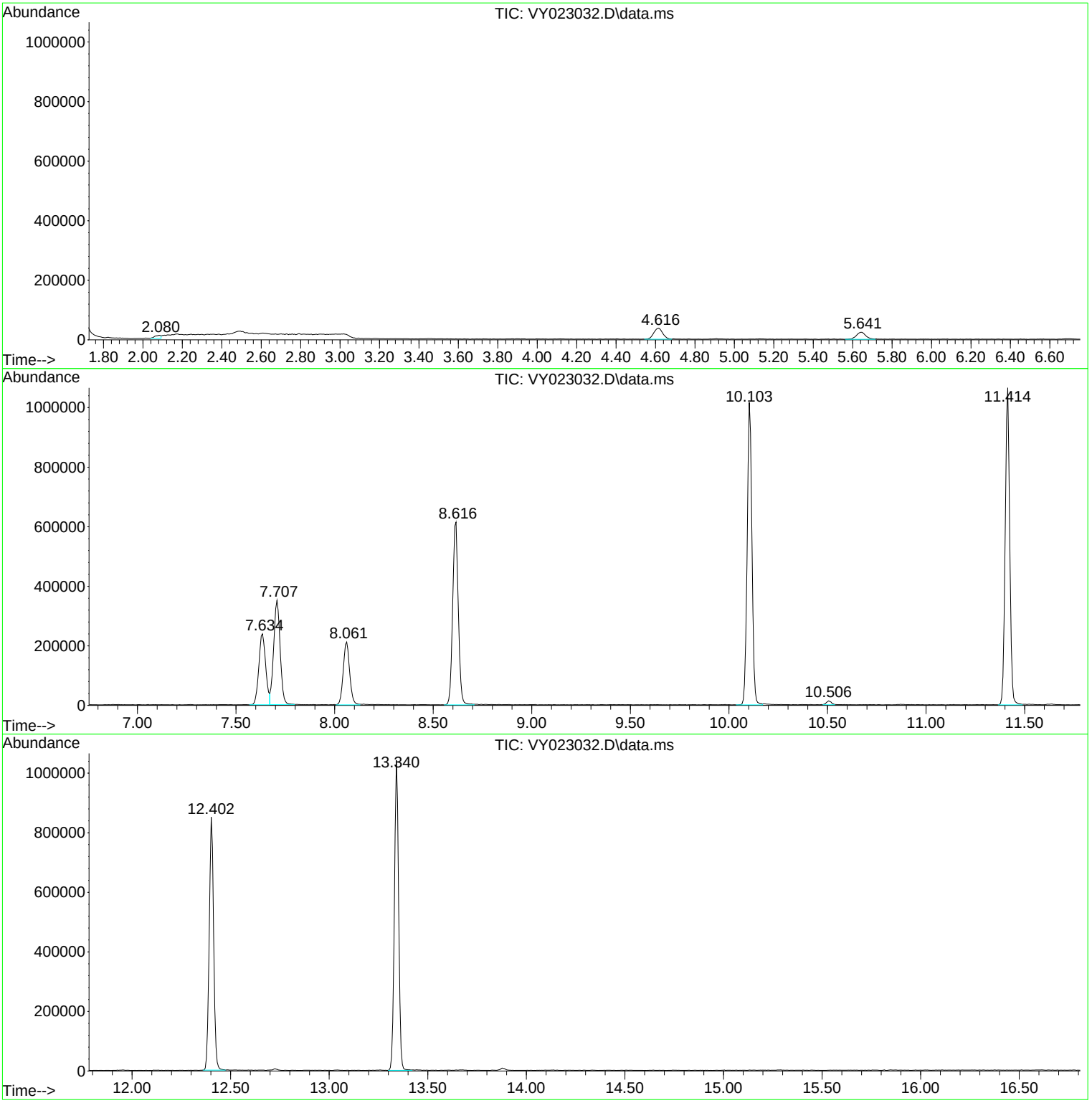
Sample Results: **VY023032.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023032.D
Acq On : 21 Jul 2025 17:20
Operator : SY/MD
Sample : Q2651-03
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023032.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023032.D
Acq On : 21 Jul 2025 17:20
Operator : SY/MD
Sample : Q2651-03
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.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_Y\Data\VY072125\
Data File : VY023032.D
Acq On : 21 Jul 2025 17:20
Operator : SY/MD
Sample : Q2651-03
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.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: **VY023033.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.6
Sample Wt/Vol:	5.02 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
VY023033.D	1	07/21/25 17:43	VY072125

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	0.91	U	0.91	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

Raw Data: **VY023033.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.6
Sample Wt/Vol:	5.02 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
VY023033.D	1	07/21/25 17:43	VY072125

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	0.92	U	0.92	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.93	U	0.93	5.30	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.30	ug/Kg
108-90-7	Chlorobenzene	0.96	U	0.96	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.30	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.5	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	0.91	U	0.91	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	65.8		63 - 155	132%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.6		17 - 146	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	256000	7.707			
540-36-3	1,4-Difluorobenzene	497000	8.609			
3114-55-4	Chlorobenzene-d5	529000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	237000	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY023033.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.6
Sample Wt/Vol:	5.02 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
VY023033.D	1	07/21/25 17:43	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000110-54-3	n-Hexane	5.60	J		5.64	ug/Kg

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_Y\Data\VY072125\
Data File : VY023033.D
Acq On : 21 Jul 2025 17:43
Operator : SY/MD
Sample : Q2651-04
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

Quant Time: Jul 22 04:55:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

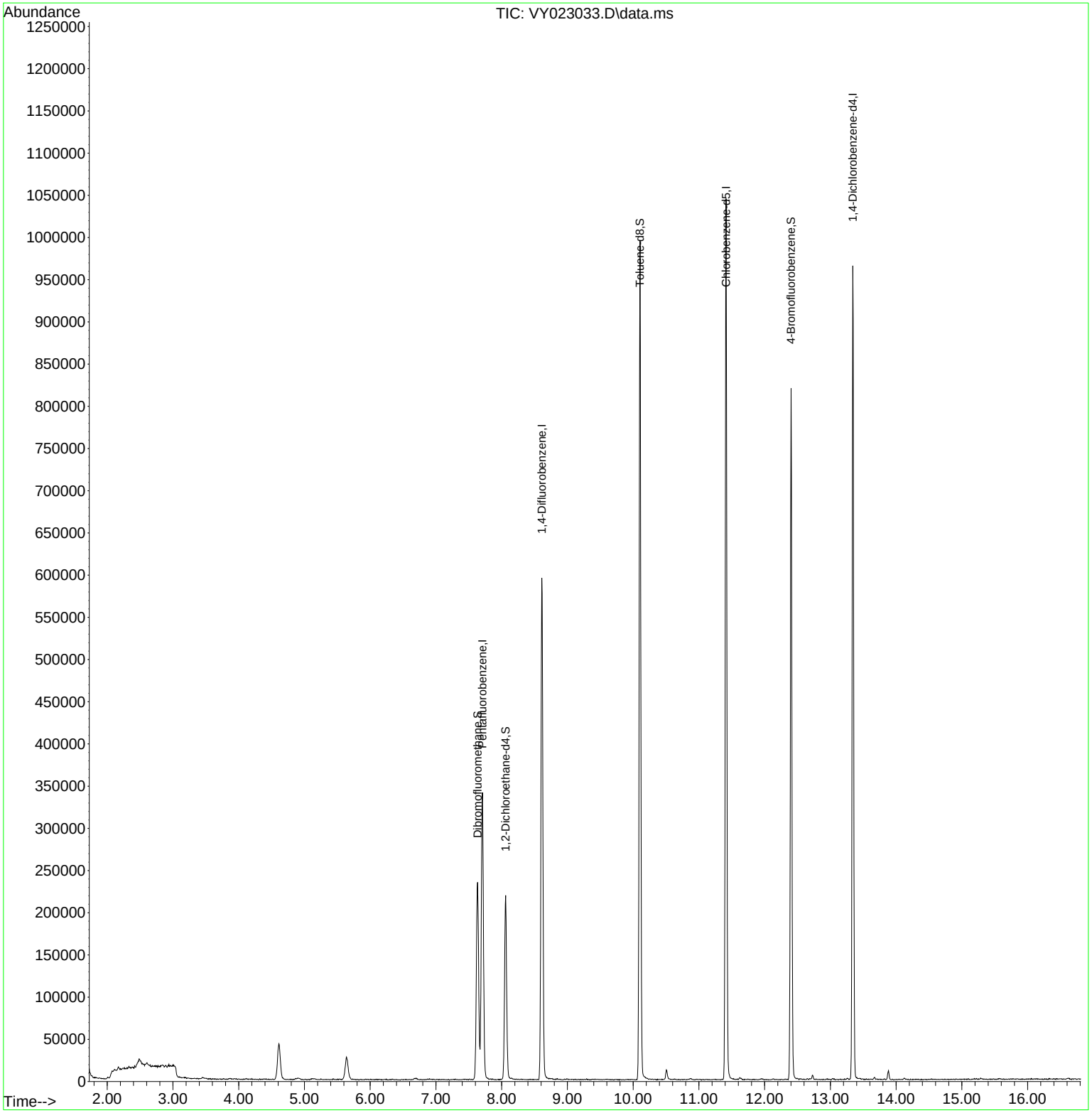
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	255550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	497344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	529238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	236661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170105	65.753	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 131.500%			
35) Dibromofluoromethane	7.634	113	165476	52.452	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.900%			
50) Toluene-d8	10.103	98	628973	50.274	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.540%			
62) 4-Bromofluorobenzene	12.401	95	230828	58.612	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.220%			
Target Compounds						Qvalue

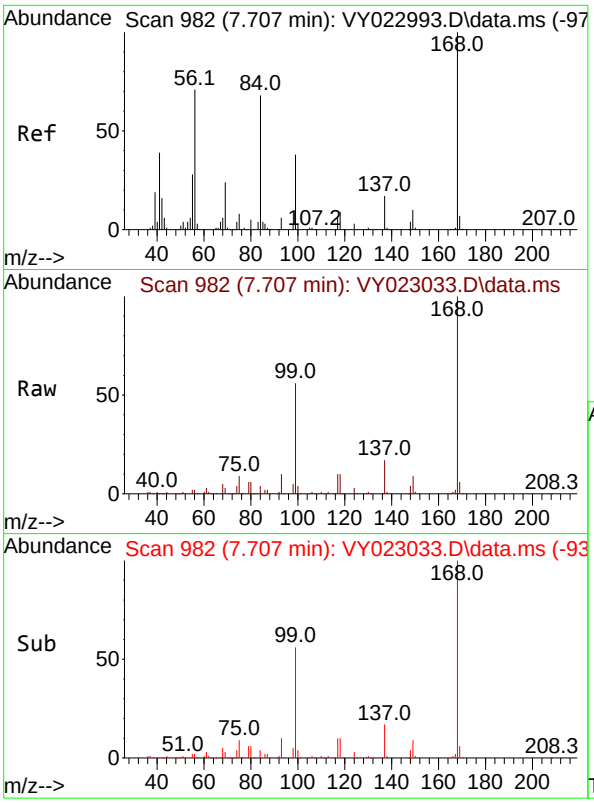
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023033.D
Acq On : 21 Jul 2025 17:43
Operator : SY/MD
Sample : Q2651-04
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

Quant Time: Jul 22 04:55:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration



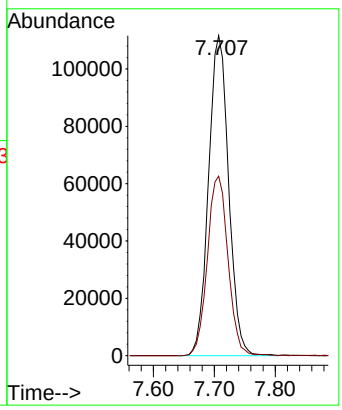


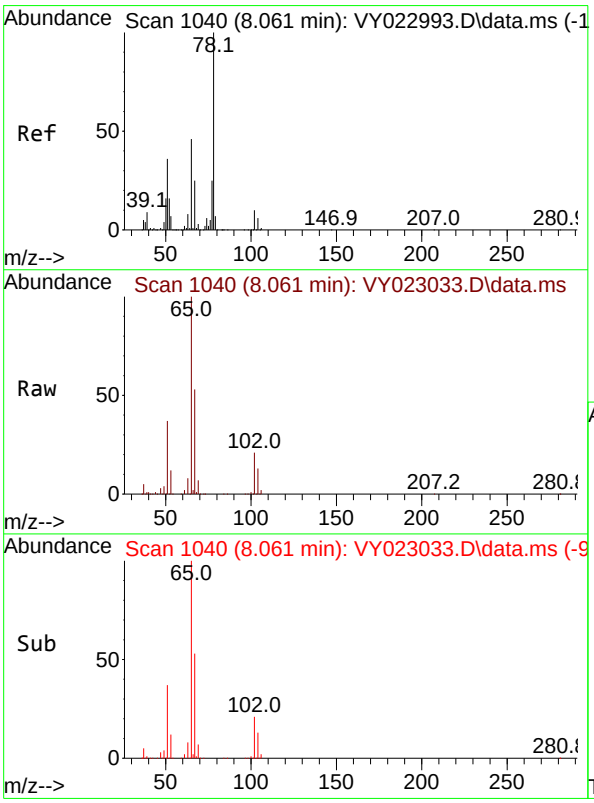
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

Tgt Ion:168 Resp: 255550

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.4	66.6

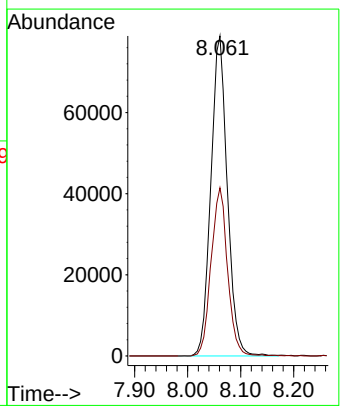


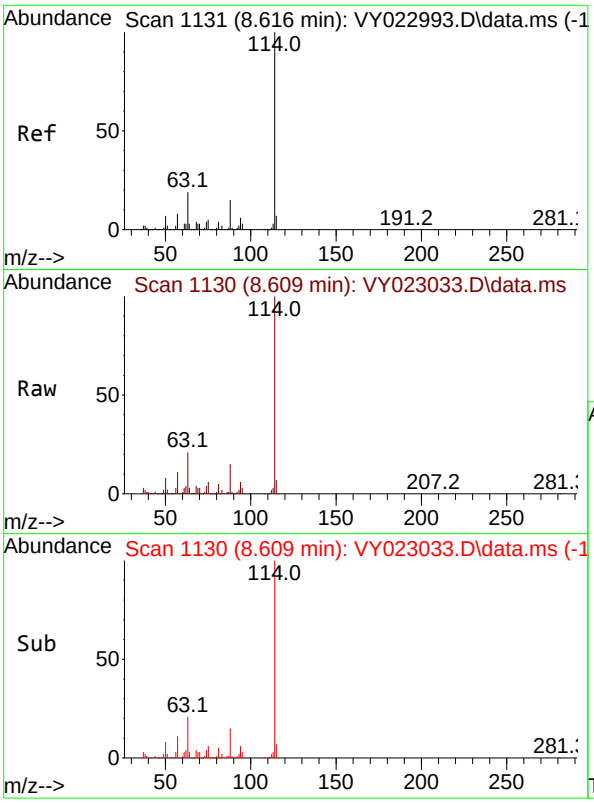


#33
1,2-Dichloroethane-d4
Concen: 65.753 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Tgt Ion: 65 Resp: 170105

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	107.4



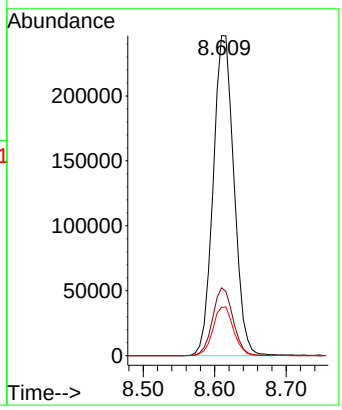


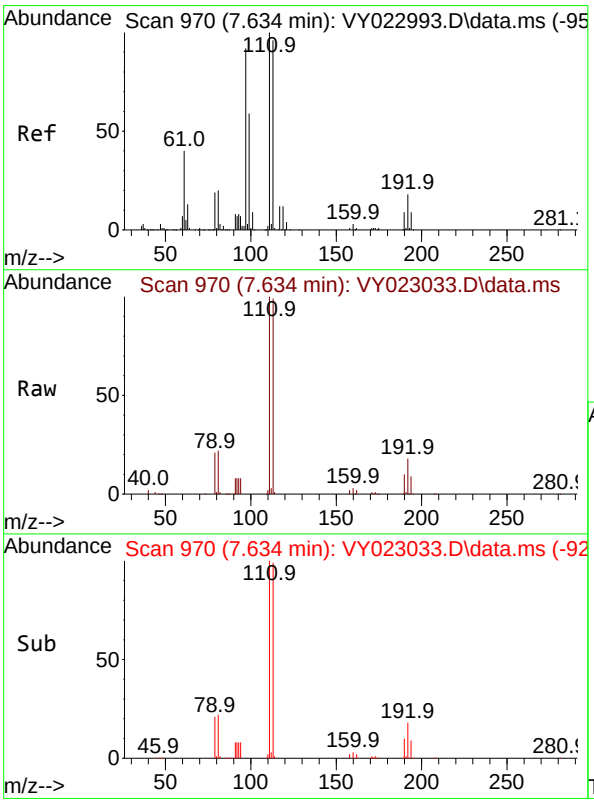
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

Tgt Ion:114 Resp: 497344

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	38.8
88	15.1	0.0	30.2

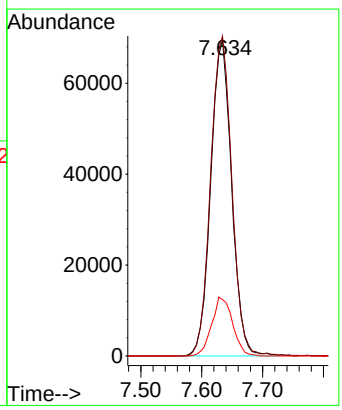


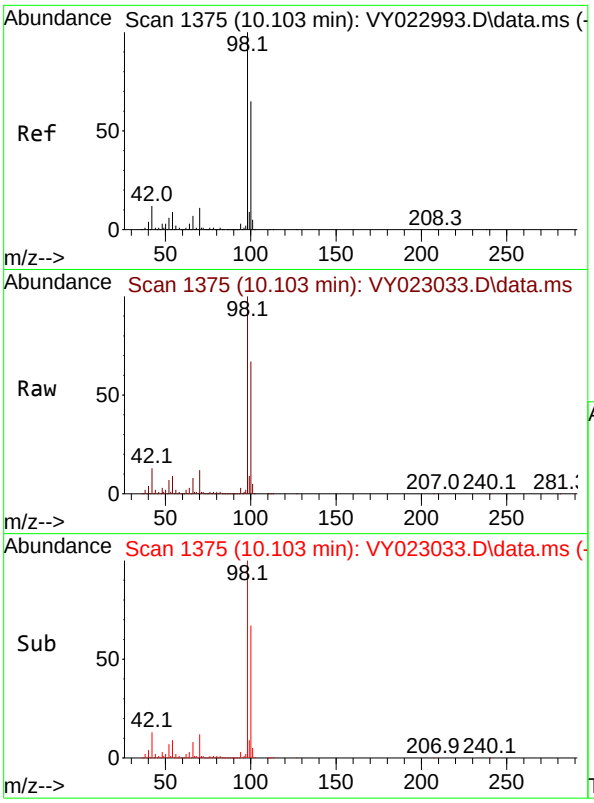


#35
Dibromofluoromethane
Concen: 52.452 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Tgt Ion:113 Resp: 165476

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.2	124.8
192	18.6	15.3	22.9



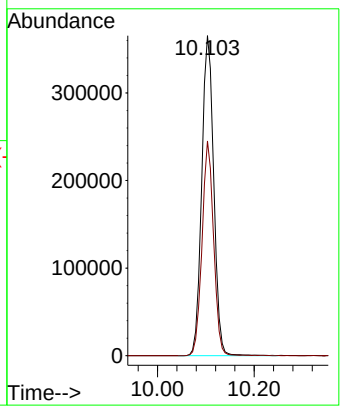


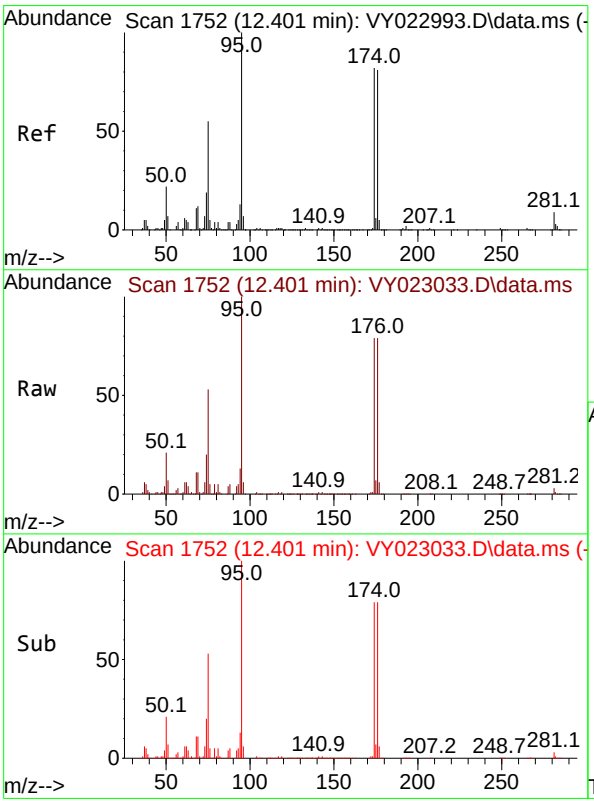
#50
Toluene-d8
Concen: 50.274 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

Tgt Ion: 98 Resp: 628973

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2

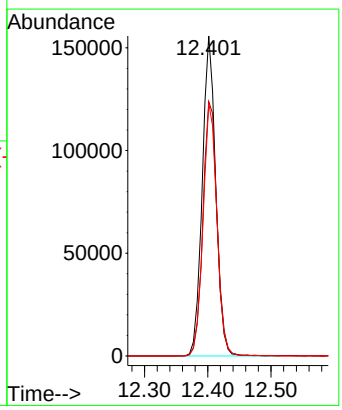


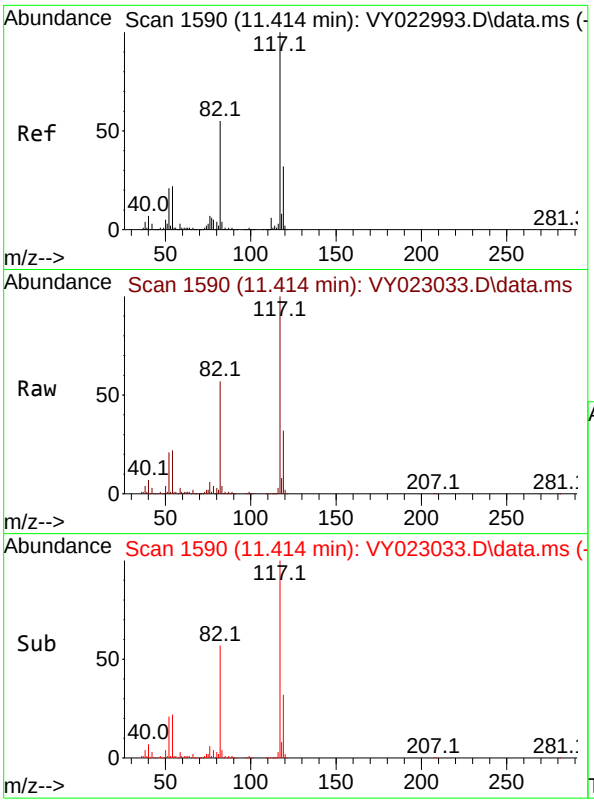


#62
4-Bromofluorobenzene
Concen: 58.612 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Tgt Ion: 95 Resp: 230828

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	170.8
176	80.8	0.0	163.6



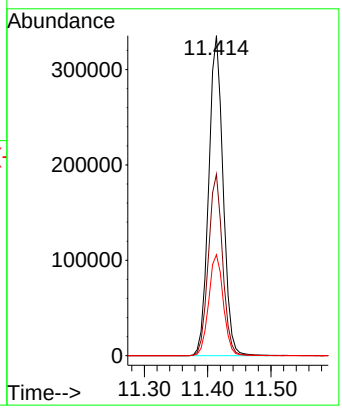


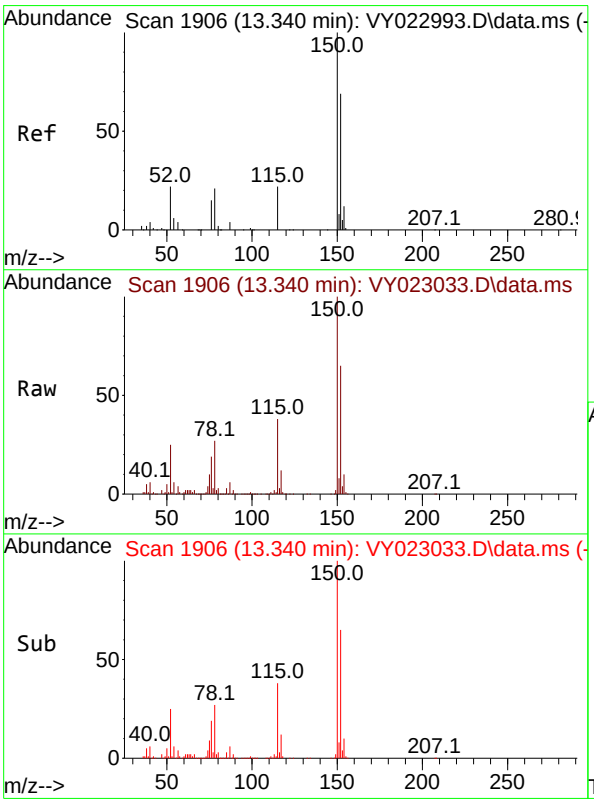
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

Tgt Ion:117 Resp: 529238

Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.3	66.5
119	31.5	25.8	38.8

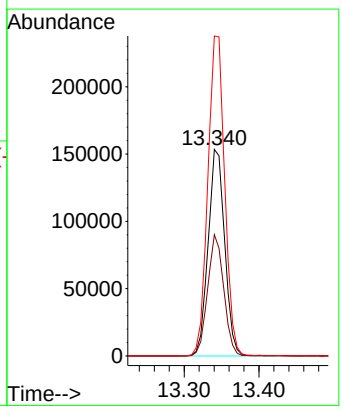




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Tgt Ion:152 Resp: 236661

Ion	Ratio	Lower	Upper
152	100		
115	57.0	29.4	88.2
150	157.4	0.0	350.0



Sample Results: **VY023033.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023033.D
Acq On : 21 Jul 2025 17:43
Operator : SY/MD
Sample : Q2651-04
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

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_Y\methods\82Y071825S.M
Title : SW846 8260

Signal : TIC: VY023033.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	462	474	492	rBV2	42508	134029	7.94%	1.427%
2	5.641	632	643	656	rBV	26625	83594	4.95%	0.890%
3	7.634	958	970	976	rBV	234052	568933	33.70%	6.058%
4	7.707	976	982	998	rVB	339973	780417	46.23%	8.310%
5	8.061	1030	1040	1052	rBV	218188	476818	28.25%	5.078%
6	8.609	1122	1130	1143	rBV	594555	1191177	70.56%	12.685%
7	10.103	1367	1375	1389	rBV	994822	1688148	100.00%	17.977%
8	10.505	1434	1441	1447	rBV	11385	20906	1.24%	0.223%
9	11.414	1582	1590	1601	rBV	1043875	1666195	98.70%	17.743%
10	12.401	1745	1752	1765	rBV	819022	1279683	75.80%	13.627%
11	13.340	1898	1906	1915	rBV	964035	1483434	87.87%	15.797%
12	13.883	1988	1995	2002	rBV	10837	17417	1.03%	0.185%

Sum of corrected areas: 9390751

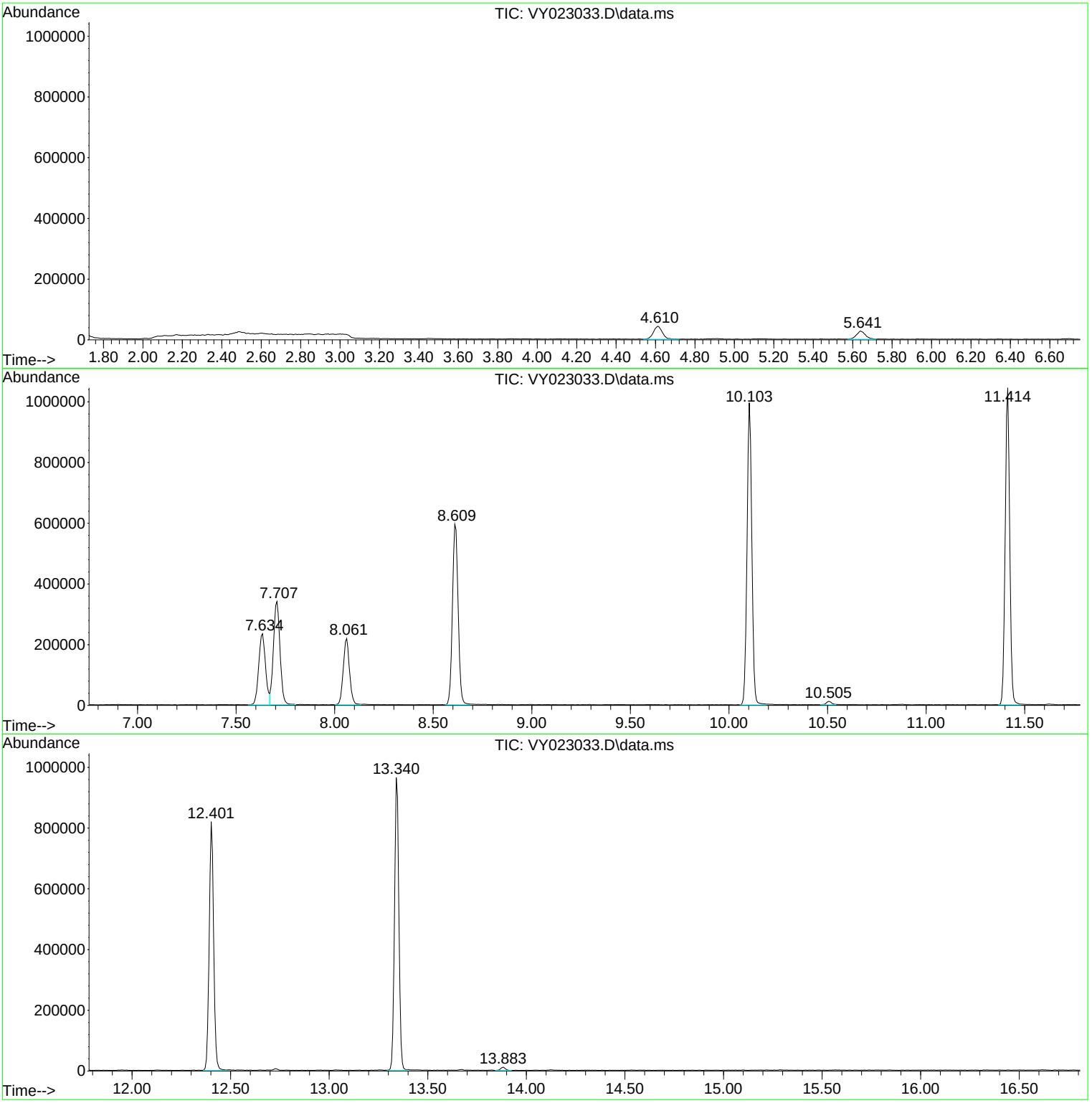
Sample Results: **VY023033.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023033.D
Acq On : 21 Jul 2025 17:43
Operator : SY/MD
Sample : Q2651-04
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023033.D
Acq On : 21 Jul 2025 17:43
Operator : SY/MD
Sample : Q2651-04
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

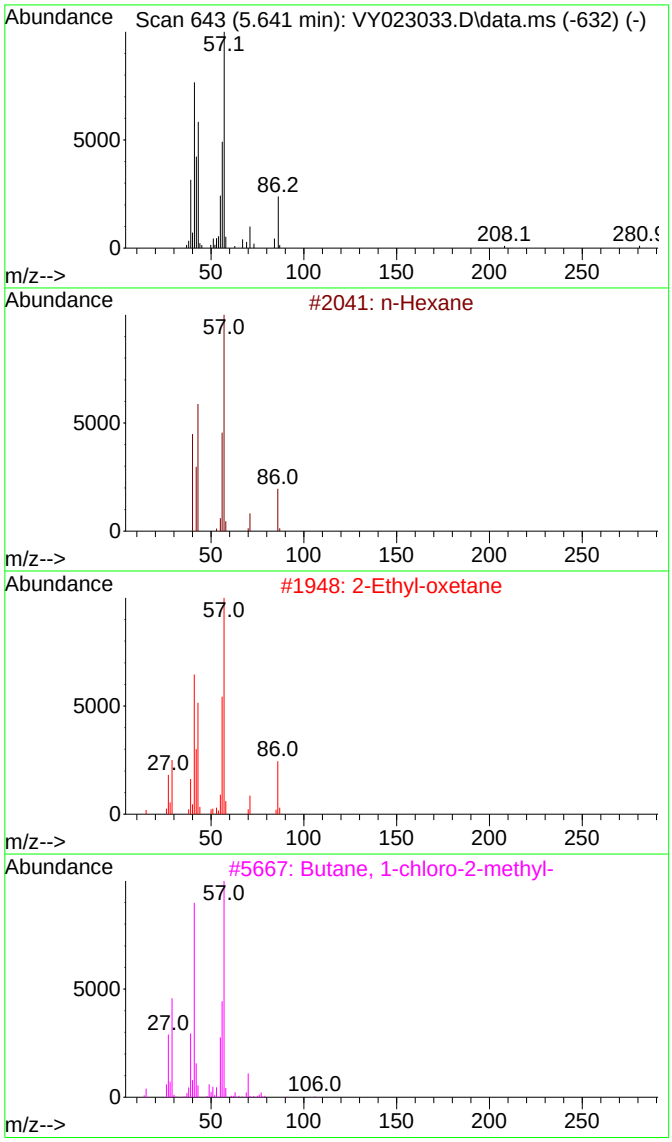
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260

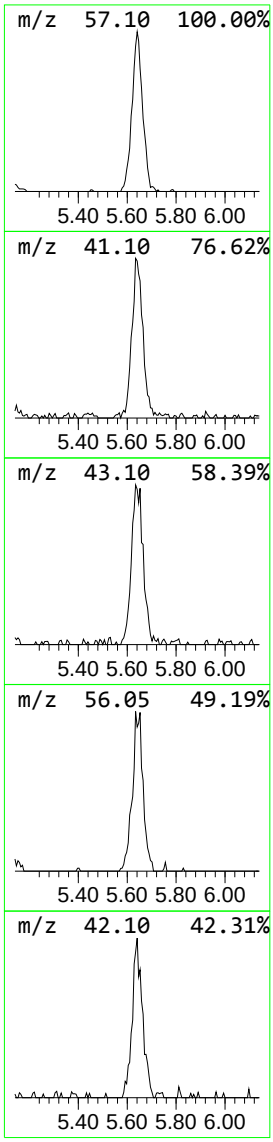
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 n-Hexane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.641	5.36 ug/l	83594	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	72
2	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	72
3	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	43
4	Tetrahydropyran	86	C5H10O	000142-68-7	38
5	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023033.D
Acq On : 21 Jul 2025 17:43
Operator : SY/MD
Sample : Q2651-04
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.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
n-Hexane	5.641	5.4	ug/l	83594	1	7.707	780417	50.0

Raw Data: **VY023034.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.9
Sample Wt/Vol:	5.02 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
VY023034.D	1	07/21/25 18:07	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.40	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.40	ug/Kg
75-01-4	Vinyl Chloride	0.85	U	0.85	5.40	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.40	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.40	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.40	ug/Kg
67-64-1	Acetone	5.10	U	5.10	26.8	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.78	U	0.78	5.40	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.40	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	10.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.92	U	0.92	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.86	U	0.86	5.40	ug/Kg
110-82-7	Cyclohexane	0.85	U	0.85	5.40	ug/Kg
78-93-3	2-Butanone	7.00	U	7.00	26.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.40	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.40	ug/Kg
67-66-3	Chloroform	0.90	U	0.90	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.40	ug/Kg
108-87-2	Methylcyclohexane	0.98	U	0.98	5.40	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.85	U	0.85	5.40	ug/Kg
79-01-6	Trichloroethene	0.87	U	0.87	5.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.98	U	0.98	5.40	ug/Kg
75-27-4	Bromodichloromethane	0.84	U	0.84	5.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.8	ug/Kg
108-88-3	Toluene	0.84	U	0.84	5.40	ug/Kg

Raw Data: **VY023034.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.9
Sample Wt/Vol:	5.02 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
VY023034.D	1	07/21/25 18:07	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.70	U	0.70	5.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.66	U	0.66	5.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.99	U	0.99	5.40	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	26.8	ug/Kg
124-48-1	Dibromochloromethane	0.93	U	0.93	5.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.94	U	0.94	5.40	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.40	ug/Kg
108-90-7	Chlorobenzene	0.98	U	0.98	5.40	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	5.40	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.7	ug/Kg
95-47-6	o-Xylene	0.88	U	0.88	5.40	ug/Kg
100-42-5	Styrene	0.76	U	0.76	5.40	ug/Kg
75-25-2	Bromoform	0.92	U	0.92	5.40	ug/Kg
98-82-8	Isopropylbenzene	0.84	U	0.84	5.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	3.20	5.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	3.40	5.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	34.8		63 - 155	70%	SPK: 50
1868-53-7	Dibromofluoromethane	41.3		70 - 134	83%	SPK: 50
2037-26-5	Toluene-d8	42.9		74 - 123	86%	SPK: 50
460-00-4	4-Bromofluorobenzene	29.7		17 - 146	59%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	24900	7.707			
540-36-3	1,4-Difluorobenzene	36100	8.61			
3114-55-4	Chlorobenzene-d5	27700	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	6240	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY023034.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.9
Sample Wt/Vol:	5.02 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
VY023034.D	1	07/21/25 18:07	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown2.086	14.3	J		2.09	ug/Kg

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: **VY023034.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023034.D
Acq On : 21 Jul 2025 18:07
Operator : SY/MD
Sample : Q2651-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

Quant Time: Jul 22 04:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	24921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	36083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	27729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	6236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	8778	34.794	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 69.580%			
35) Dibromofluoromethane	7.628	113	9450	41.287	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 82.580%			
50) Toluene-d8	10.103	98	38946	42.907	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 85.820%			
62) 4-Bromofluorobenzene	12.402	95	8475	29.662	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 59.320%			

Target Compounds Qvalue

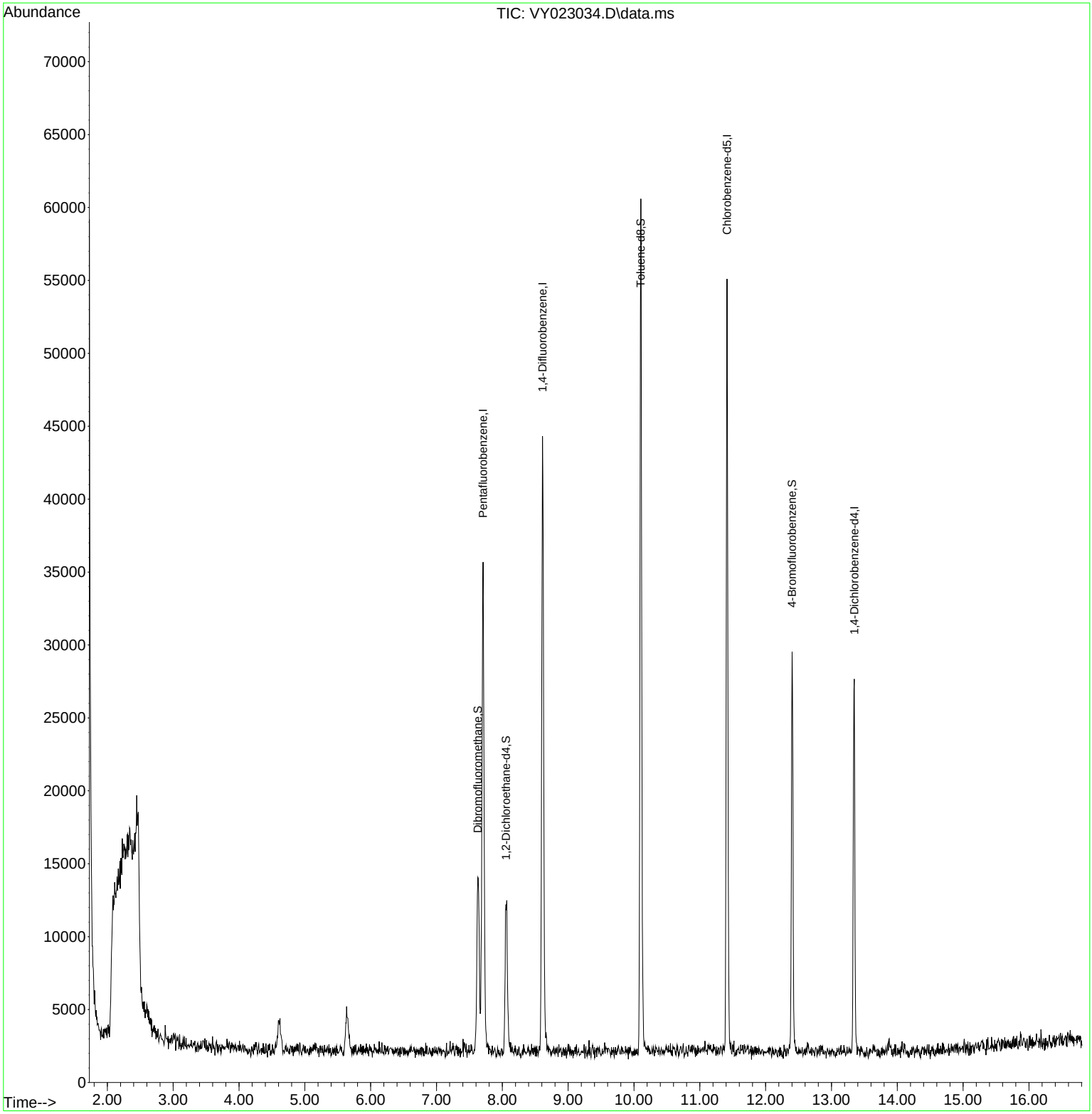
(#) = qualifier out of range (m) = manual integration (+) = signals summed

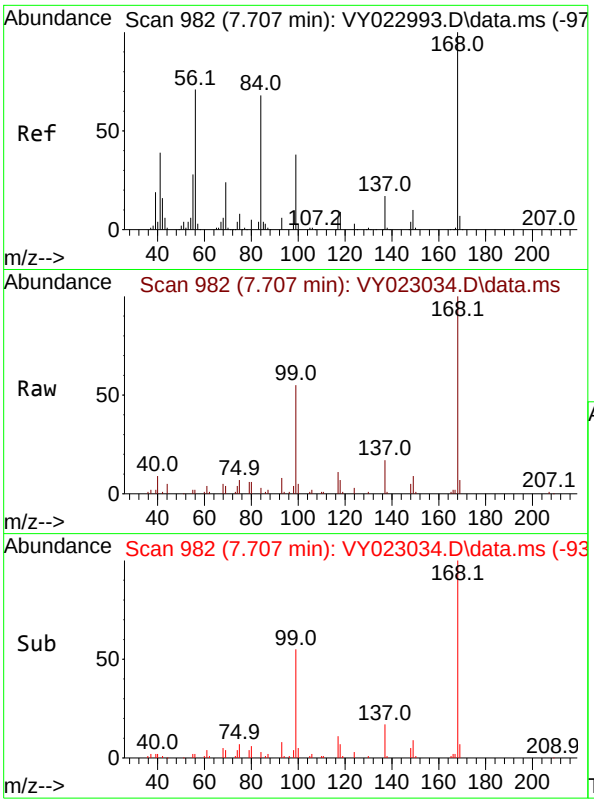
Sample Results: **VY023034.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023034.D
Acq On : 21 Jul 2025 18:07
Operator : SY/MD
Sample : Q2651-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

Quant Time: Jul 22 04:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration



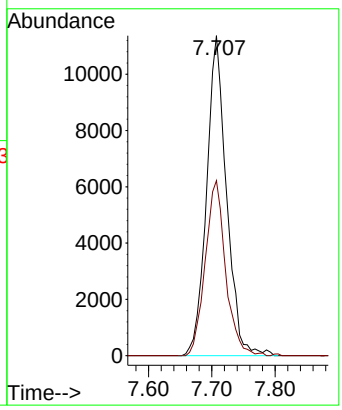


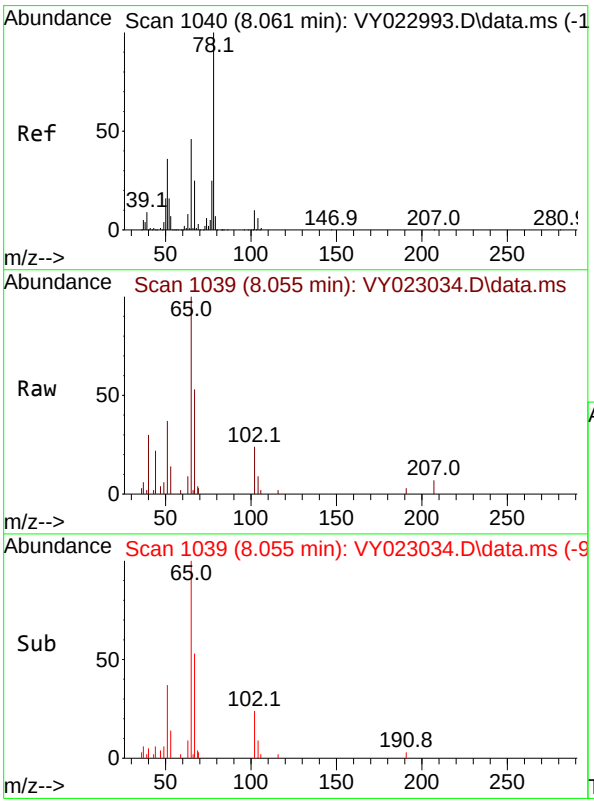
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

Tgt Ion:168 Resp: 24921

Ion	Ratio	Lower	Upper
168	100		
99	54.7	44.4	66.6

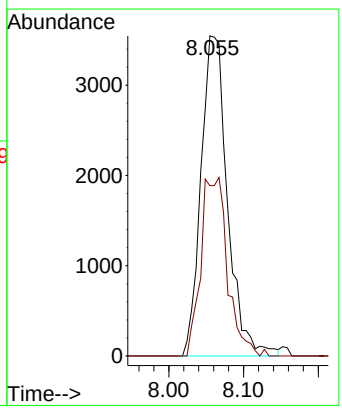


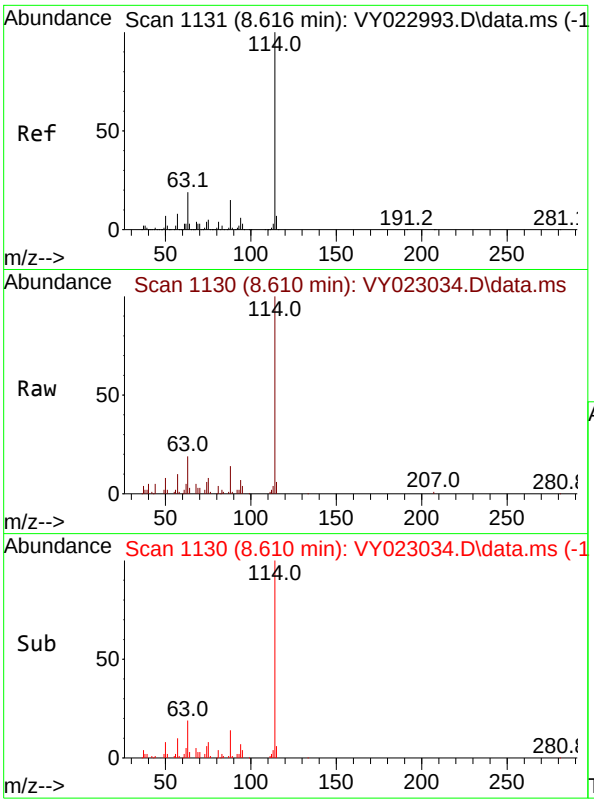


#33
1,2-Dichloroethane-d4
Concen: 34.794 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

Tgt Ion: 65 Resp: 8778

Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	107.4



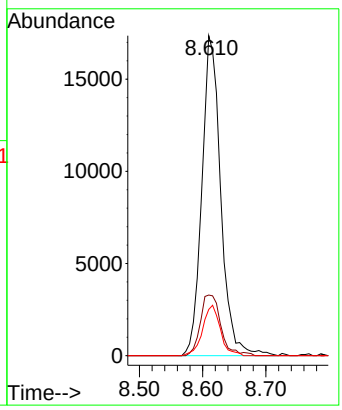


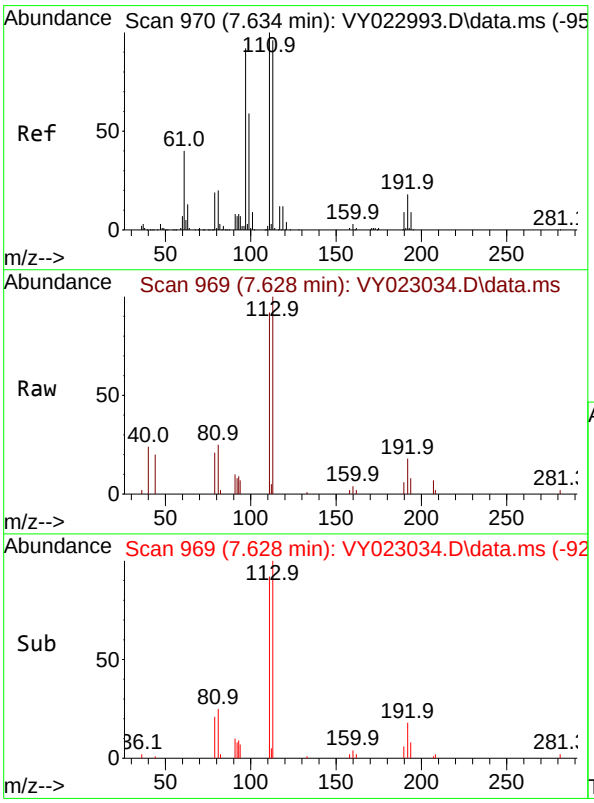
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

Tgt Ion:114 Resp: 36083

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.8
88	14.5	0.0	30.2

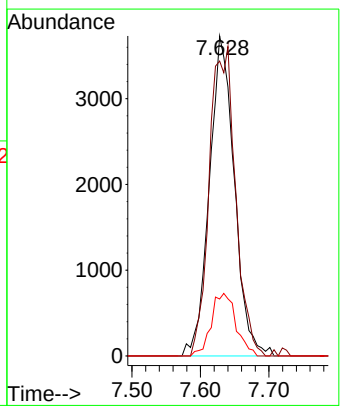


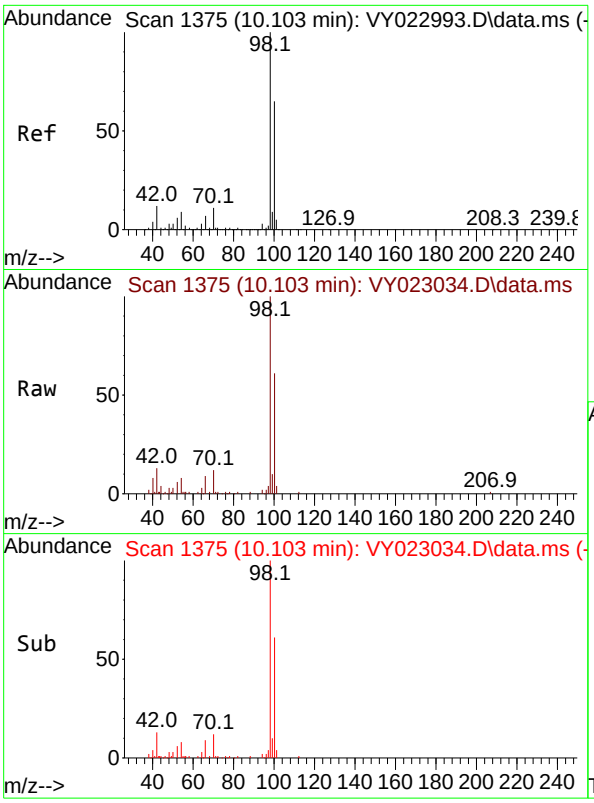


#35
Dibromofluoromethane
Concen: 41.287 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

Tgt Ion:113 Resp: 9450

Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.2	124.8
192	19.4	15.3	22.9



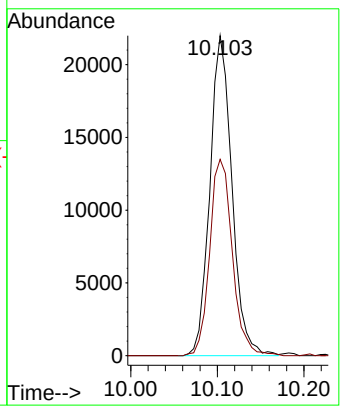


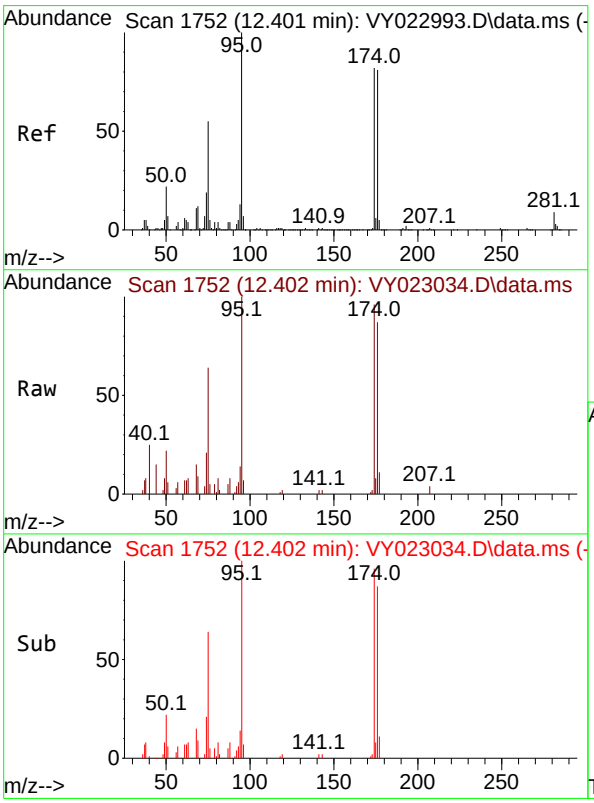
#50
Toluene-d8
Concen: 42.907 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

Tgt Ion: 98 Resp: 38946

Ion	Ratio	Lower	Upper
98	100		
100	62.9	52.2	78.2

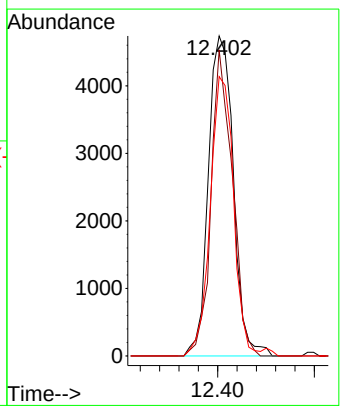


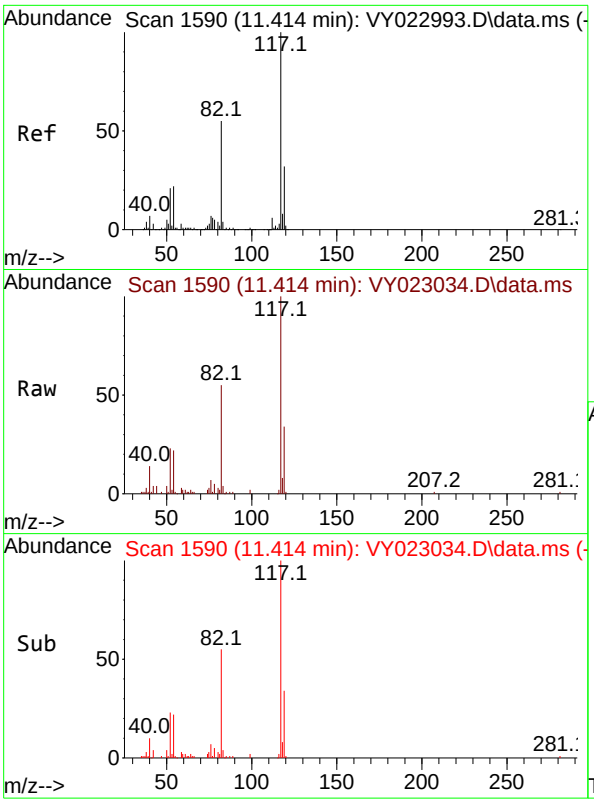


#62
4-Bromofluorobenzene
Concen: 29.662 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

Tgt Ion: 95 Resp: 8475

Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	170.8
176	82.4	0.0	163.6



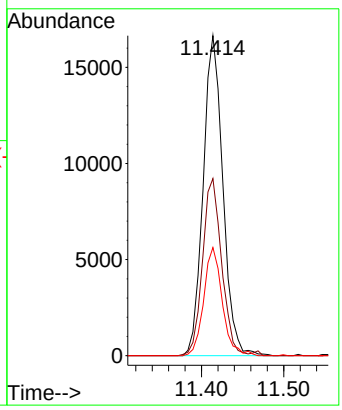


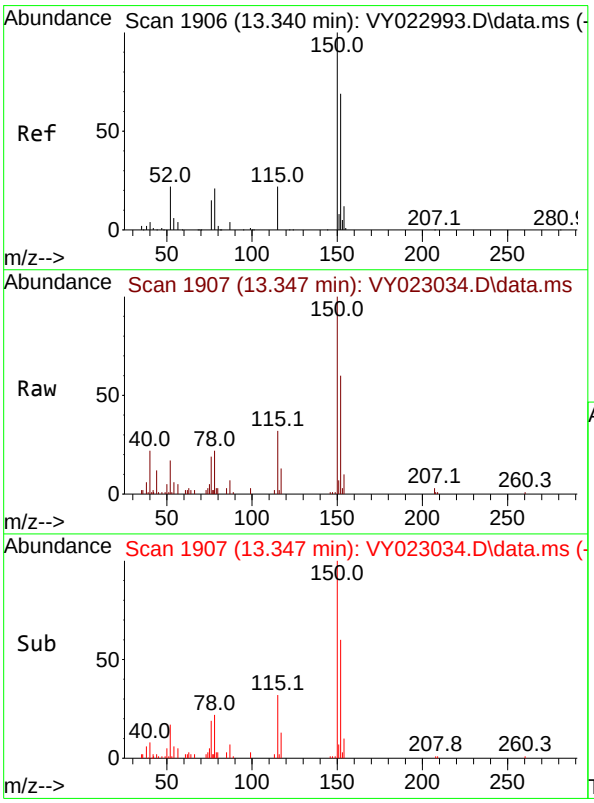
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

Tgt Ion:117 Resp: 27729

Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.3	66.5
119	33.8	25.8	38.8

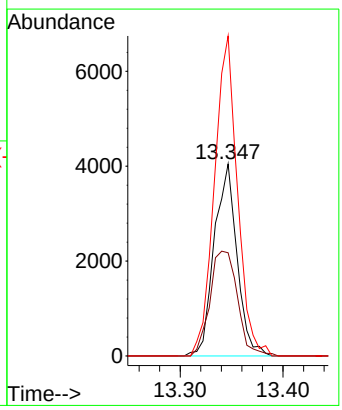




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

Tgt Ion:152 Resp: 6236

Ion	Ratio	Lower	Upper
152	100		
115	66.1	29.4	88.2
150	168.0	0.0	350.0



Sample Results: **VY023034.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023034.D
Acq On : 21 Jul 2025 18:07
Operator : SY/MD
Sample : Q2651-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

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_Y\methods\82Y071825S.M
Title : SW846 8260

Signal : TIC: VY023034.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.013	45	48	51	rBV3	896	1187	1.12%	0.214%
2	2.086	51	60	61	rBV2	9701	20621	19.42%	3.723%
3	2.446	117	119	120	rBV2	2596	1312	1.24%	0.237%
4	2.598	142	144	151	rVB7	1326	2137	2.01%	0.386%
5	2.714	157	163	164	rBV4	794	1205	1.13%	0.218%
6	2.879	187	190	196	rBV5	1358	1741	1.64%	0.314%
7	3.031	212	215	216	rVB2	1130	1107	1.04%	0.200%
8	3.659	314	318	320	rBV3	1010	1408	1.33%	0.254%
9	4.086	386	388	396	rVB4	564	1077	1.01%	0.194%
10	4.604	466	473	474	rVV5	1905	3179	2.99%	0.574%
11	5.634	635	642	644	rBV4	3362	6151	5.79%	1.110%
12	6.305	746	752	756	rBV4	430	1097	1.03%	0.198%
13	7.628	957	969	975	rBV3	12123	31918	30.06%	5.762%
14	7.707	975	982	991	rVV	33741	77217	72.72%	13.940%
15	8.055	1032	1039	1040	rBV3	10250	15253	14.36%	2.754%
16	8.610	1124	1130	1138	rVV	42178	85619	80.63%	15.457%
17	9.000	1190	1194	1195	rBV2	984	1128	1.06%	0.204%
18	9.372	1251	1255	1258	rBV3	847	1324	1.25%	0.239%
19	9.609	1292	1294	1300	rVB3	563	1069	1.01%	0.193%
20	9.762	1313	1319	1324	rVV3	670	1383	1.30%	0.250%
21	10.103	1368	1375	1383	rBV	58711	106188	100.00%	19.170%
22	10.329	1409	1412	1417	rBV3	669	1282	1.21%	0.231%
23	10.707	1469	1474	1477	rBV2	690	1256	1.18%	0.227%
24	10.749	1477	1481	1483	rVB3	947	1072	1.01%	0.194%
25	10.835	1492	1495	1498	rBV3	784	1148	1.08%	0.207%
26	10.908	1504	1507	1511	rVB2	739	1176	1.11%	0.212%
27	11.414	1584	1590	1598	rVB	52844	85876	80.87%	15.503%
28	11.804	1651	1654	1657	rBV2	826	1179	1.11%	0.213%
29	12.402	1746	1752	1761	rVB3	27424	46864	44.13%	8.460%
30	13.347	1899	1907	1914	rVB	25758	43094	40.58%	7.780%
31	15.194	2206	2210	2212	rBV3	712	1147	1.08%	0.207%
32	15.285	2219	2225	2226	rBV4	711	1337	1.26%	0.241%
33	15.432	2248	2249	2255	rVB2	1019	1125	1.06%	0.203%
34	15.870	2320	2321	2325	rVV3	1177	1279	1.20%	0.231%
35	15.919	2325	2329	2335	rVV6	700	1400	1.32%	0.253%
36	16.584	2437	2438	2442	rBV4	937	1376	1.30%	0.248%

Sample Results: **VY023034.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023034.D
Acq On : 21 Jul 2025 18:07
Operator : SY/MD
Sample : Q2651-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

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_Y\methods\82Y071825S.M
Title : SW846 8260

Sum of corrected areas: 553932

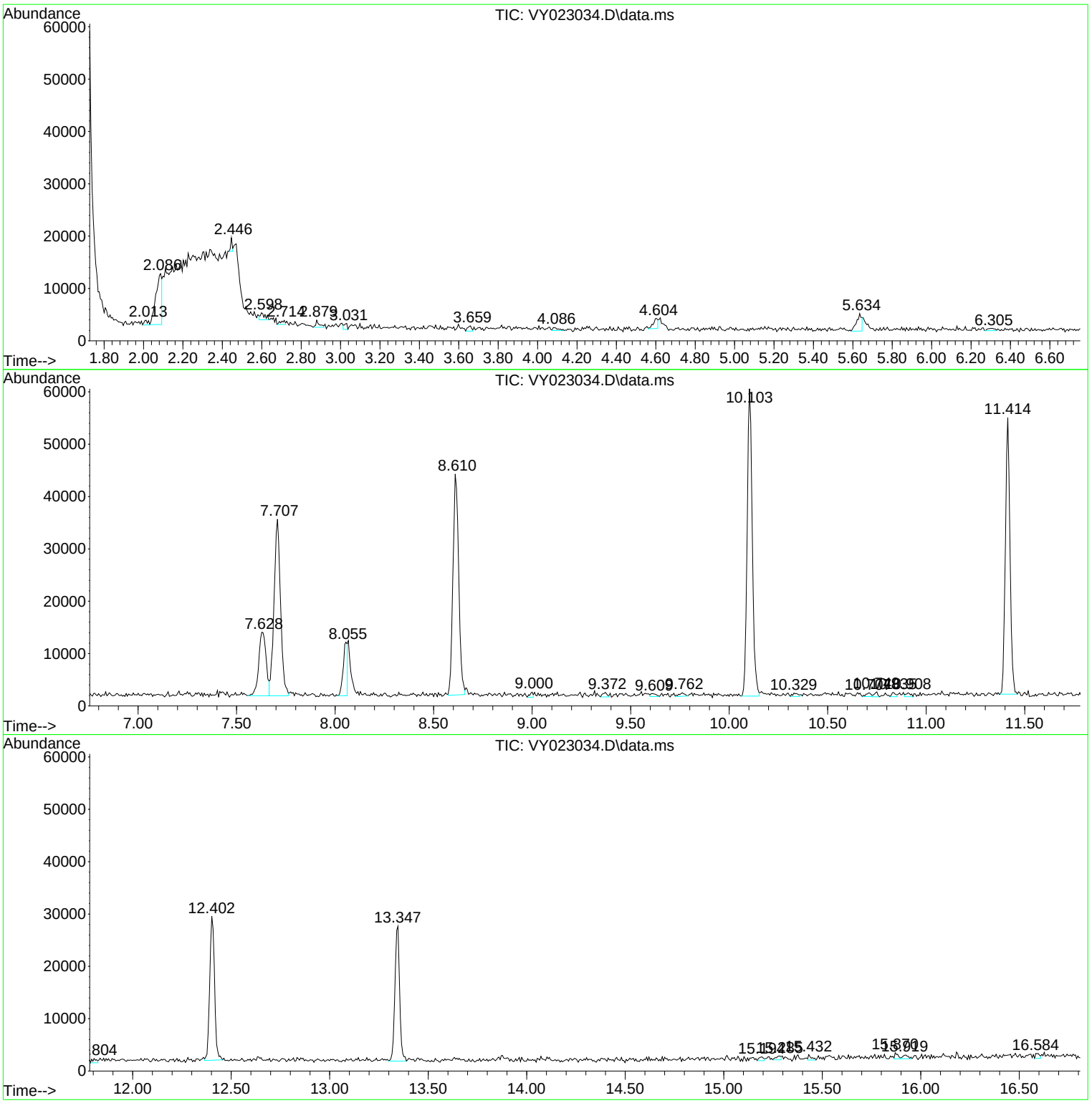
Sample Results: **VY023034.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023034.D
Acq On : 21 Jul 2025 18:07
Operator : SY/MD
Sample : Q2651-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023034.D
Acq On : 21 Jul 2025 18:07
Operator : SY/MD
Sample : Q2651-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

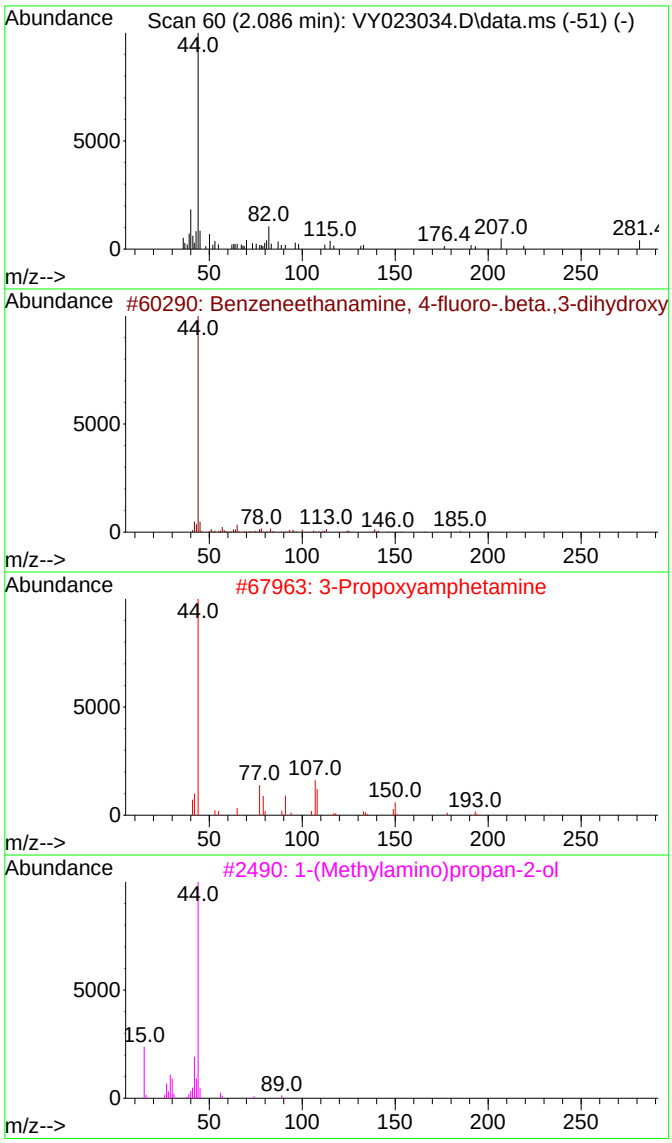
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260

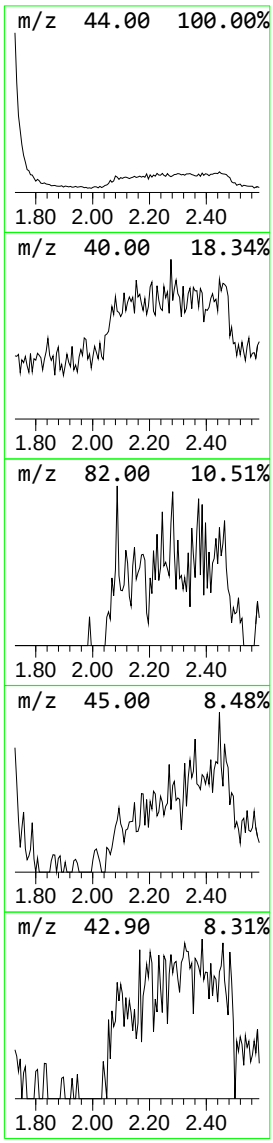
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown2.086 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.086	13.35 ug/l	20621	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanamine, 4-fluoro-.bet...	185	C9H12FNO2	103439-06-1	33
2	3-Propoxyamphetamine	193	C12H19NO	1000124-04-4	9
3	1-(Methylamino)propan-2-ol	89	C4H11NO	1000486-79-1	9
4	Amphetamine	135	C9H13N	000300-62-9	9
5	Methanesulfonamide, N,N-dimethyl-	123	C3H9NO2S	000918-05-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023034.D
Acq On : 21 Jul 2025 18:07
Operator : SY/MD
Sample : Q2651-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.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
unknown2.086	2.086	13.4	ug/l	20621	1	7.707	77217	50.0

Raw Data: **VY023044.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8RE	SDG No.:	Q2651
Lab Sample ID:	Q2651-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.9
Sample Wt/Vol:	5.22 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
VY023044.D	1	07/22/25 14:25	VY072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.20	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.20	ug/Kg
75-01-4	Vinyl Chloride	0.81	U	0.81	5.20	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.20	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.20	ug/Kg
67-64-1	Acetone	4.90	U	4.90	25.8	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.75	U	0.75	5.20	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.20	ug/Kg
75-09-2	Methylene Chloride	3.60	U	3.60	10.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.89	U	0.89	5.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.82	U	0.82	5.20	ug/Kg
110-82-7	Cyclohexane	0.81	U	0.81	5.20	ug/Kg
78-93-3	2-Butanone	6.70	U	6.70	25.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.77	U	0.77	5.20	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.20	ug/Kg
67-66-3	Chloroform	0.87	U	0.87	5.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.96	U	0.96	5.20	ug/Kg
108-87-2	Methylcyclohexane	0.94	U	0.94	5.20	ug/Kg
71-43-2	Benzene	0.81	U	0.81	5.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.81	U	0.81	5.20	ug/Kg
79-01-6	Trichloroethene	0.84	U	0.84	5.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.94	U	0.94	5.20	ug/Kg
75-27-4	Bromodichloromethane	0.80	U	0.80	5.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	25.8	ug/Kg
108-88-3	Toluene	0.80	U	0.80	5.20	ug/Kg

Raw Data: **VY023044.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8RE	SDG No.:	Q2651
Lab Sample ID:	Q2651-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.9
Sample Wt/Vol:	5.22 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
VY023044.D	1	07/22/25 14:25	VY072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.67	U	0.67	5.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.64	U	0.64	5.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.95	U	0.95	5.20	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	25.8	ug/Kg
124-48-1	Dibromochloromethane	0.90	U	0.90	5.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.91	U	0.91	5.20	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.20	ug/Kg
108-90-7	Chlorobenzene	0.94	U	0.94	5.20	ug/Kg
100-41-4	Ethyl Benzene	0.69	U	0.69	5.20	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.3	ug/Kg
95-47-6	o-Xylene	0.85	U	0.85	5.20	ug/Kg
100-42-5	Styrene	0.73	U	0.73	5.20	ug/Kg
75-25-2	Bromoform	0.89	U	0.89	5.20	ug/Kg
98-82-8	Isopropylbenzene	0.80	U	0.80	5.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	3.10	5.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.30	U	3.30	5.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		63 - 155	109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	46.1		74 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		17 - 146	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	52600	7.707			
540-36-3	1,4-Difluorobenzene	87700	8.616			
3114-55-4	Chlorobenzene-d5	80800	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	28100	13.346			

Raw Data: **VY023044.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8RE	SDG No.:	Q2651
Lab Sample ID:	Q2651-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.9
Sample Wt/Vol:	5.22 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
VY023044.D	1	07/22/25 14:25	VY072225

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_Y\Data\VY072225\
Data File : VY023044.D
Acq On : 22 Jul 2025 14:25
Operator : SY/MD
Sample : Q2651-05RE
Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8RE

Quant Time: Jul 23 02:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

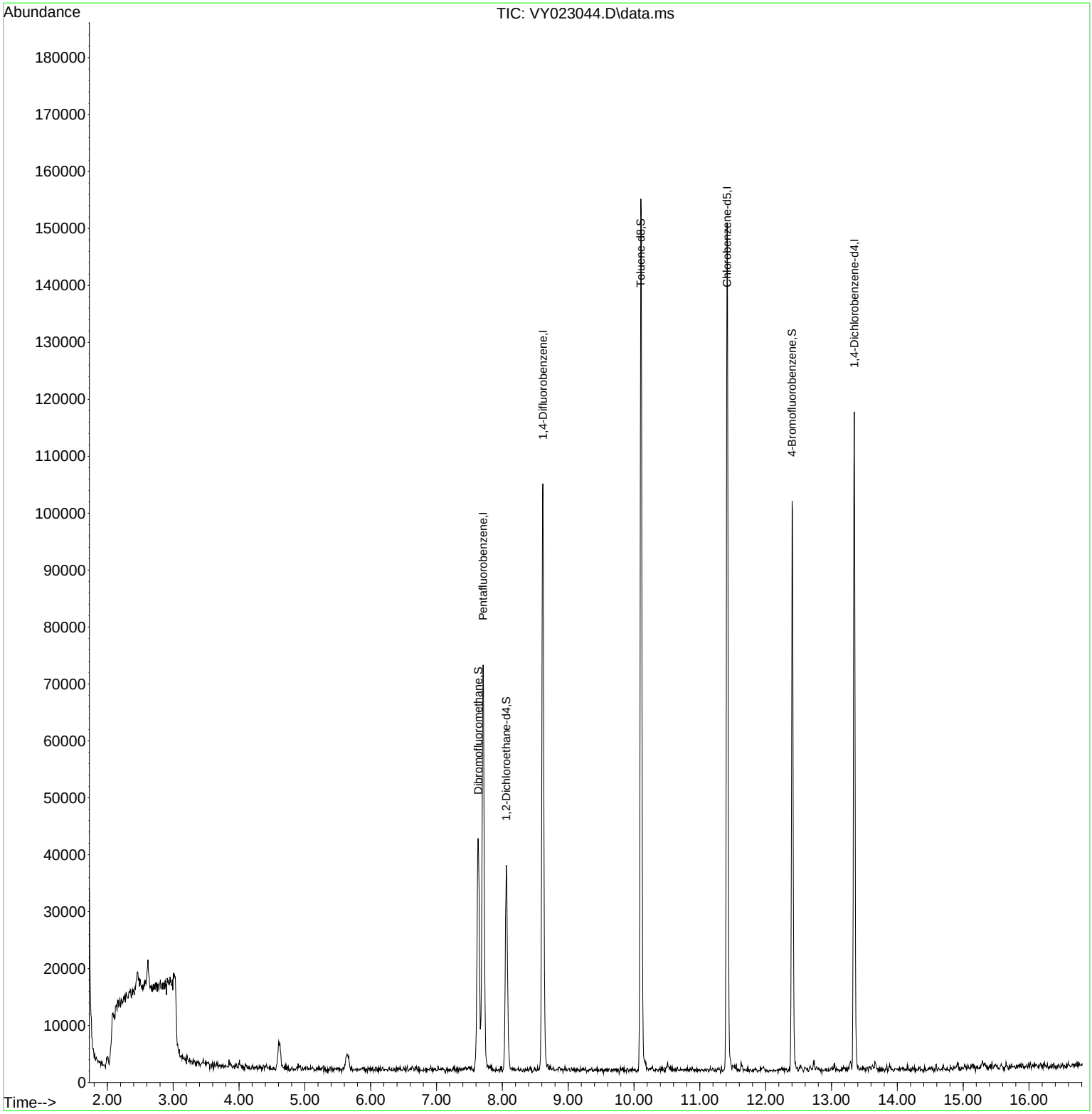
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	52570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	87688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	80835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	28117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	28882	54.271	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.540%			
35) Dibromofluoromethane	7.634	113	29665	53.332	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.660%			
50) Toluene-d8	10.103	98	101584	46.053	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.100%			
62) 4-Bromofluorobenzene	12.401	95	30828	44.398	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.800%			
Target Compounds						Qvalue

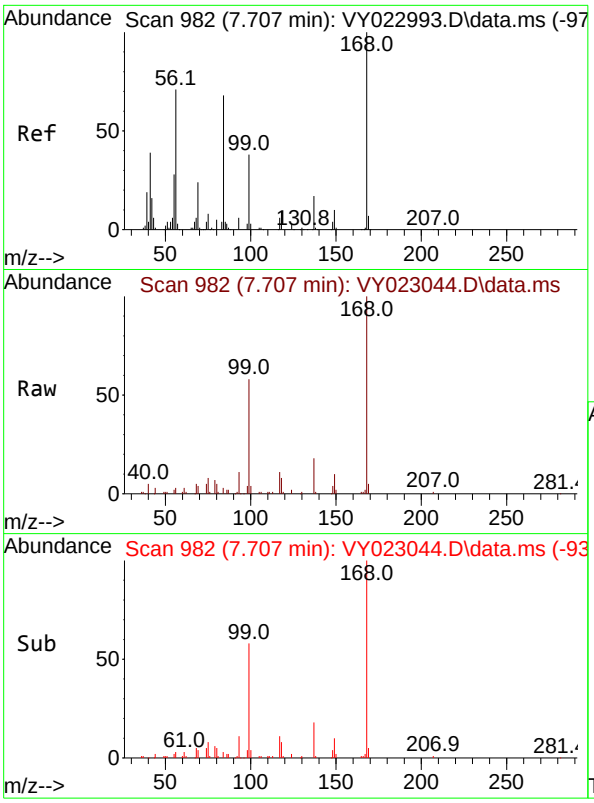
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023044.D
Acq On : 22 Jul 2025 14:25
Operator : SY/MD
Sample : Q2651-05RE
Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8RE

Quant Time: Jul 23 02:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration



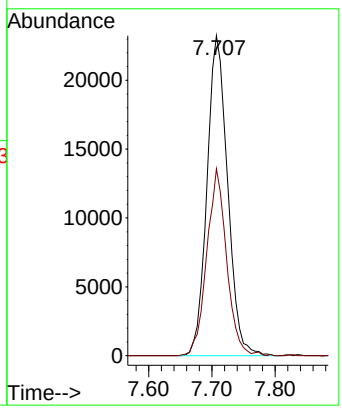


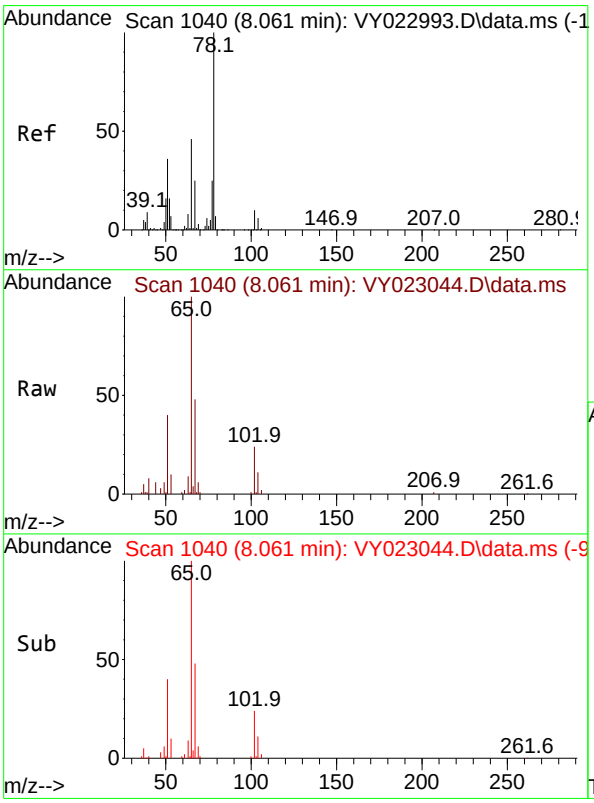
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8RE

Tgt Ion:168 Resp: 52570

Ion	Ratio	Lower	Upper
168	100		
99	58.4	44.4	66.6

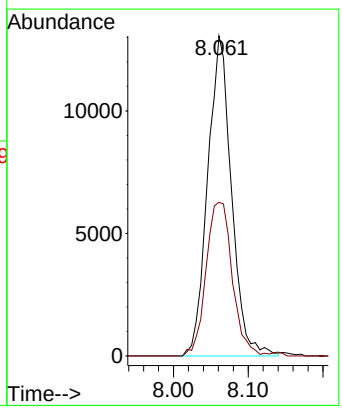


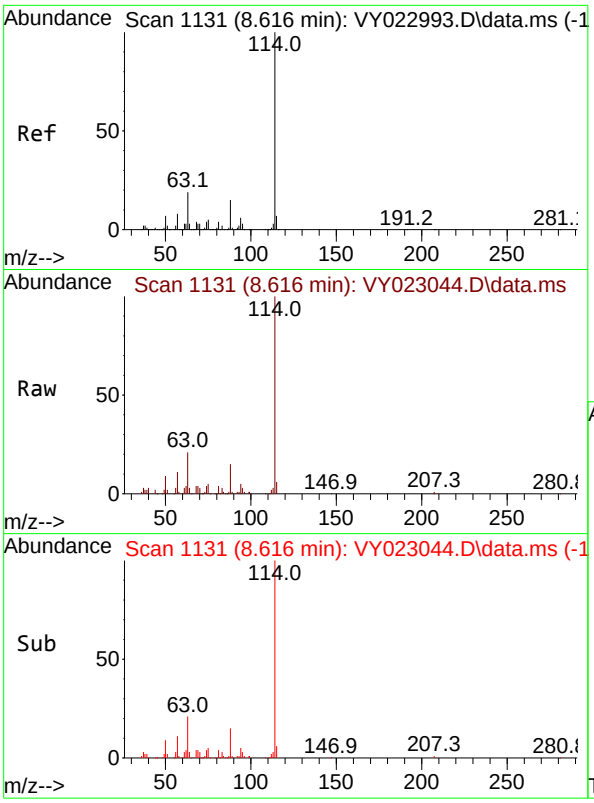


#33
1,2-Dichloroethane-d4
Concen: 54.271 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Tgt Ion: 65 Resp: 28882

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	107.4



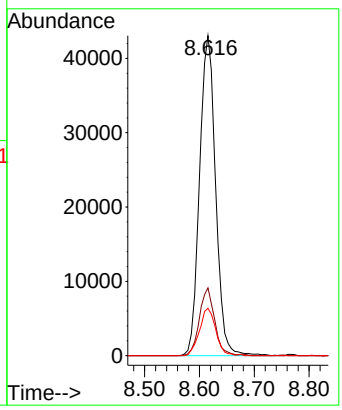


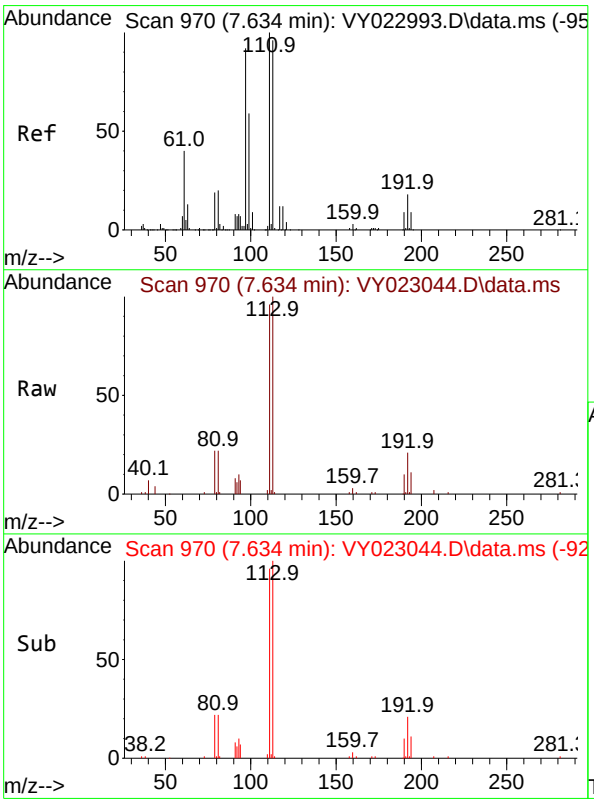
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8RE

Tgt Ion:114 Resp: 87688

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	38.8
88	14.8	0.0	30.2

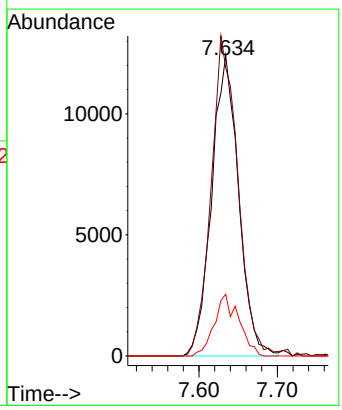


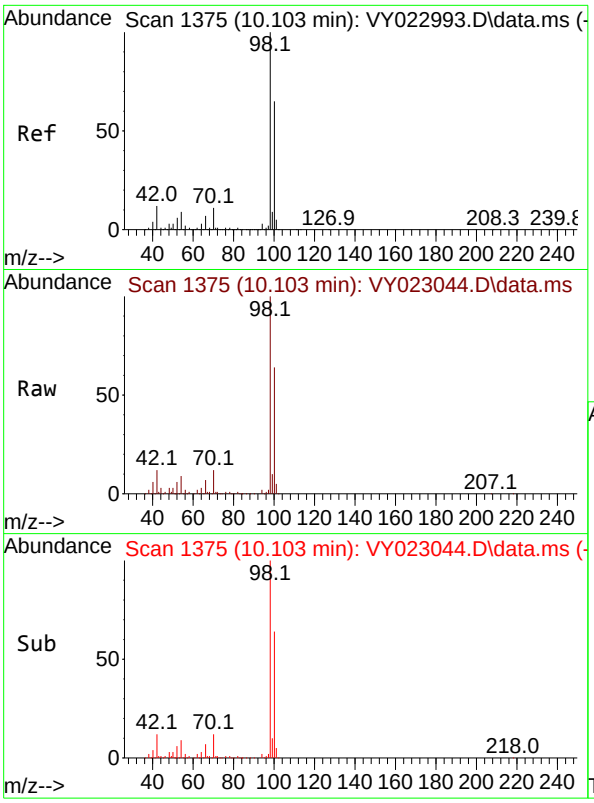


#35
Dibromofluoromethane
Concen: 53.332 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Tgt Ion:113 Resp: 29665

Ion	Ratio	Lower	Upper
113	100		
111	105.5	83.2	124.8
192	18.7	15.3	22.9



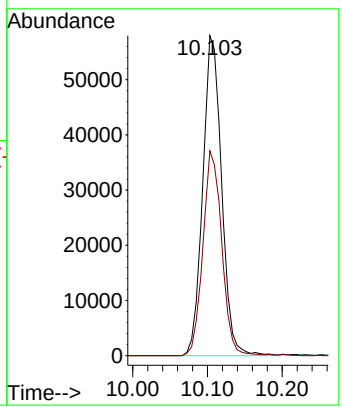


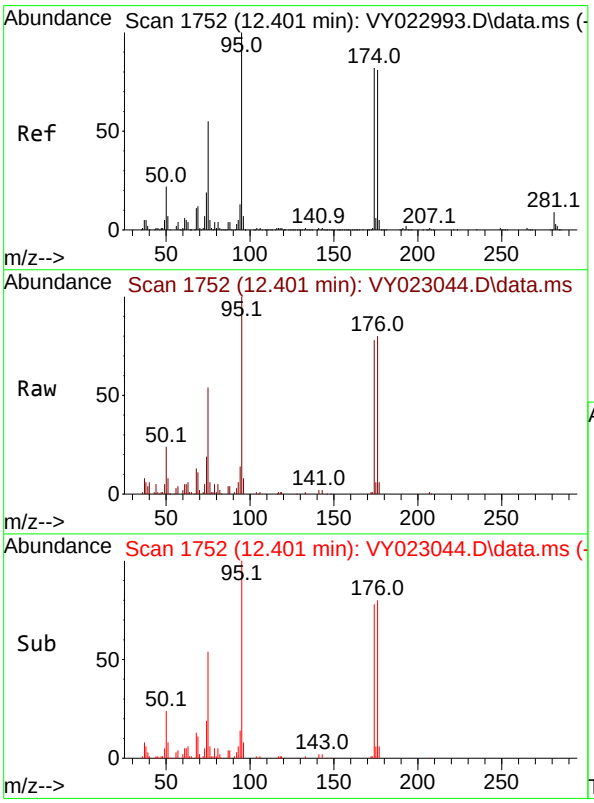
#50
Toluene-d8
Concen: 46.053 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8RE

Tgt Ion: 98 Resp: 101584

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.2	78.2

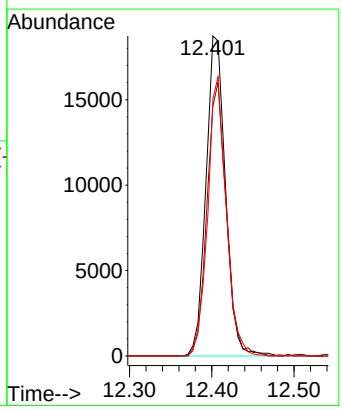


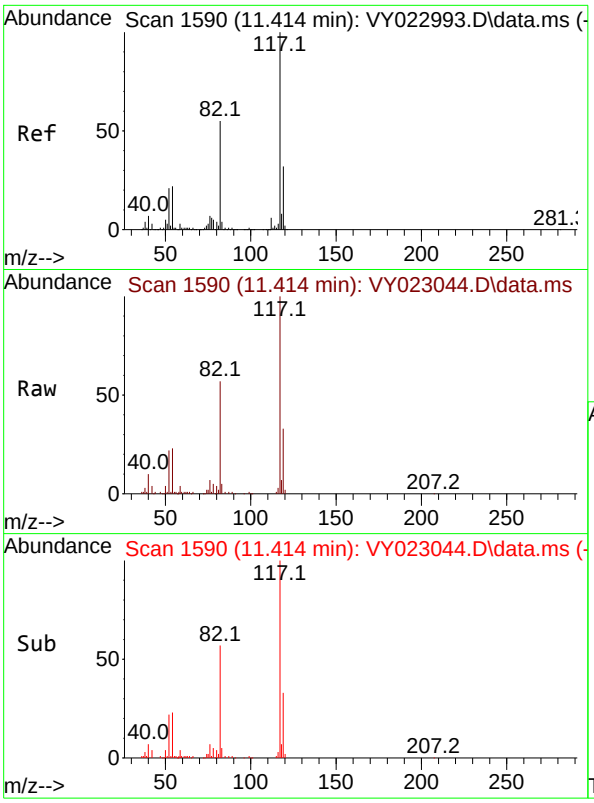


#62
4-Bromofluorobenzene
Concen: 44.398 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Tgt Ion: 95 Resp: 30828

Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	170.8
176	82.6	0.0	163.6



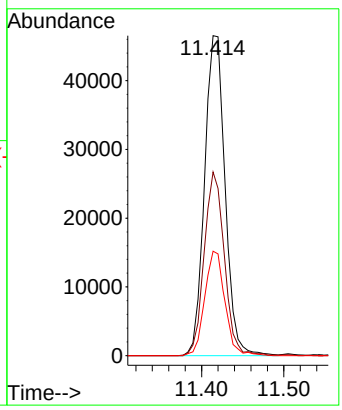


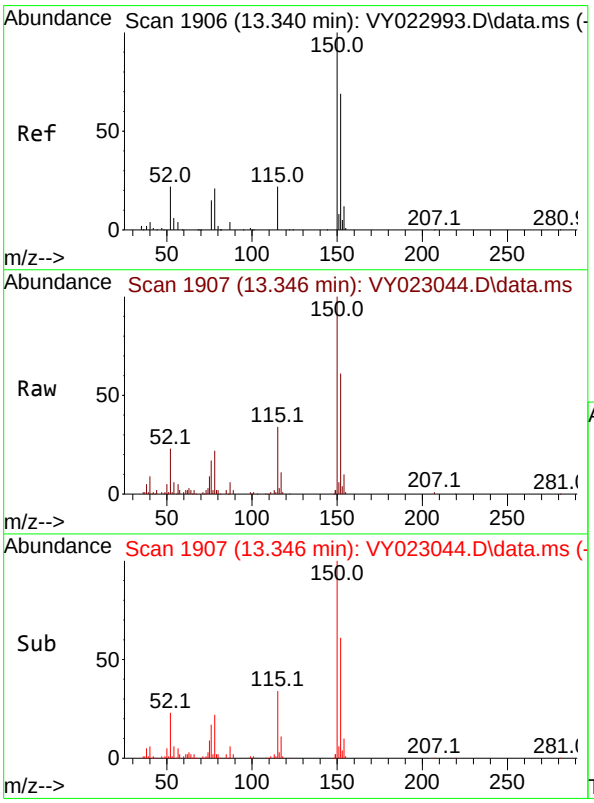
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8RE

Tgt Ion:117 Resp: 80835

Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.3	66.5
119	32.7	25.8	38.8

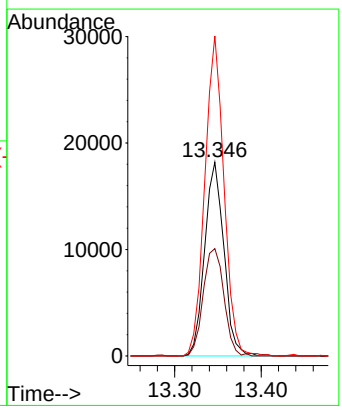




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Tgt Ion:152 Resp: 28117

Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.4	88.2
150	164.0	0.0	350.0



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: EARTH03

Lab Code: ACE SDG No.: Q2651

Instrument ID: MSVOA_Y Calibration Date(s): 07/18/2025 07/18/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:49

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

LAB FILE ID: RRF005 = VY022990.D RRF010 = VY022991.D RRF020 = VY022992.D
RRF050 = VY022993.D RRF100 = VY022994.D RRF150 = VY022995.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.490	0.456	0.508	0.367	0.361	0.364	0.425	16.1
Chloromethane	0.789	0.743	0.886	0.618	0.632	0.663	0.722	14.5
Vinyl Chloride	0.938	0.939	1.131	0.825	0.825	0.829	0.915	13.1
Bromomethane	0.708	0.665	0.792	0.554	0.607	0.634	0.660	12.6
Chloroethane	0.620	0.627	0.731	0.556	0.563	0.567	0.611	10.9
Trichlorofluoromethane	1.130	1.097	1.247	0.973	0.955	0.967	1.062	11
1,1,2-Trichlorotrifluoroethane	0.606	0.567	0.679	0.503	0.493	0.498	0.558	13.4
1,1-Dichloroethene	0.563	0.544	0.626	0.476	0.483	0.496	0.531	10.8
Acetone	0.113	0.091	0.108	0.077	0.080	0.080	0.092	16.9
Carbon Disulfide	1.692	1.624	1.962	1.438	1.471	1.475	1.610	12.4
Methyl tert-butyl Ether	1.179	1.145	1.451	1.191	1.320	1.359	1.274	9.5
Methyl Acetate	0.247	0.256	0.351	0.323	0.323	0.364	0.311	15.7
Methylene Chloride	1.478	1.041	0.933	0.607	0.594	0.575	0.871	40.9
trans-1,2-Dichloroethene	0.597	0.571	0.707	0.533	0.567	0.574	0.591	10.2
1,1-Dichloroethane	1.062	1.063	1.261	0.986	1.049	1.051	1.079	8.7
Cyclohexane	1.175	1.012	1.175	0.880	0.887	0.918	1.008	13.7
2-Butanone	0.130	0.118	0.146	0.123	0.134	0.140	0.132	7.9
Carbon Tetrachloride	0.552	0.530	0.648	0.508	0.498	0.521	0.543	10.1
cis-1,2-Dichloroethene	0.657	0.648	0.788	0.631	0.680	0.687	0.682	8.2
Bromochloromethane	0.394	0.391	0.488	0.398	0.425	0.413	0.418	8.7
Chloroform	1.075	1.076	1.267	0.991	1.070	1.050	1.088	8.6
1,1,1-Trichloroethane	1.006	0.976	1.162	0.903	0.929	0.947	0.987	9.4
Methylcyclohexane	0.657	0.609	0.764	0.611	0.604	0.635	0.647	9.4
Benzene	1.484	1.421	1.776	1.411	1.453	1.479	1.504	9.1
1,2-Dichloroethane	0.361	0.342	0.434	0.358	0.375	0.376	0.374	8.5
Trichloroethene	0.402	0.374	0.450	0.365	0.361	0.367	0.386	8.9
1,2-Dichloropropane	0.352	0.327	0.414	0.327	0.342	0.346	0.351	9.2
Bromodichloromethane	0.487	0.463	0.588	0.473	0.501	0.501	0.502	8.9
4-Methyl-2-Pentanone	0.150	0.155	0.212	0.191	0.200	0.214	0.187	15
Toluene	0.865	0.868	1.088	0.892	0.939	0.960	0.935	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: EARTH03

Lab Code: ACE SDG No.: Q2651

Instrument ID: MSVOA_Y Calibration Date(s): 07/18/2025 07/18/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:49

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

LAB FILE ID: RRF005 = VY022990.D RRF010 = VY022991.D RRF020 = VY022992.D
RRF050 = VY022993.D RRF100 = VY022994.D RRF150 = VY022995.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.383	0.376	0.493	0.414	0.452	0.467	0.431	10.9
cis-1,3-Dichloropropene	0.478	0.464	0.605	0.492	0.528	0.549	0.519	10.1
1,1,2-Trichloroethane	0.225	0.213	0.274	0.228	0.243	0.249	0.239	9
2-Hexanone	0.100	0.100	0.136	0.127	0.133	0.144	0.123	15.4
Dibromochloromethane	0.284	0.275	0.359	0.303	0.322	0.331	0.312	10
1,2-Dibromoethane	0.197	0.193	0.248	0.210	0.223	0.229	0.217	9.6
Tetrachloroethene	0.555	0.540	0.564	0.513	0.474	0.421	0.511	10.7
Chlorobenzene	1.151	1.151	1.356	1.114	1.145	1.163	1.180	7.5
Ethyl Benzene	1.993	1.951	2.413	2.007	2.064	2.119	2.091	8
m/p-Xylenes	0.755	0.736	0.928	0.772	0.802	0.820	0.802	8.6
o-Xylene	0.676	0.679	0.859	0.713	0.759	0.781	0.744	9.4
Styrene	1.060	1.085	1.399	1.188	1.268	1.316	1.219	10.9
Bromoform	0.186	0.183	0.223	0.194	0.215	0.226	0.204	9.4
Isopropylbenzene	4.176	4.073	5.014	4.052	3.914	4.206	4.239	9.3
1,1,2,2-Tetrachloroethane	0.558	0.561	0.749	0.560	0.582	0.671	0.613	12.9
1,3-Dichlorobenzene	1.871	1.736	2.121	1.750	1.783	1.871	1.855	7.7
1,4-Dichlorobenzene	1.838	1.717	2.062	1.687	1.706	1.761	1.795	7.9
1,2-Dichlorobenzene	1.589	1.455	1.791	1.478	1.508	1.571	1.565	7.8
1,2-Dibromo-3-Chloropropane	0.084	0.083	0.101	0.090	0.090	0.098	0.091	7.8
1,2,4-Trichlorobenzene	0.781	0.726	0.946	0.794	0.838	0.864	0.825	9.3
1,2,3-Trichlorobenzene	0.628	0.603	0.757	0.671	0.709	0.720	0.681	8.6
1,2-Dichloroethane-d4	0.472	0.483	0.588	0.476	0.519	0.499	0.506	8.6
Dibromofluoromethane	0.302	0.302	0.374	0.302	0.309	0.314	0.317	8.9
Toluene-d8	1.197	1.205	1.481	1.205	1.223	1.235	1.258	8.8
4-Bromofluorobenzene	0.409	0.353	0.441	0.369	0.398	0.406	0.396	7.9

* 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.

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y071825S.M
Title : SW846 8260
Last Update : Sat Jul 19 01:50:49 2025
Response Via : Initial Calibration

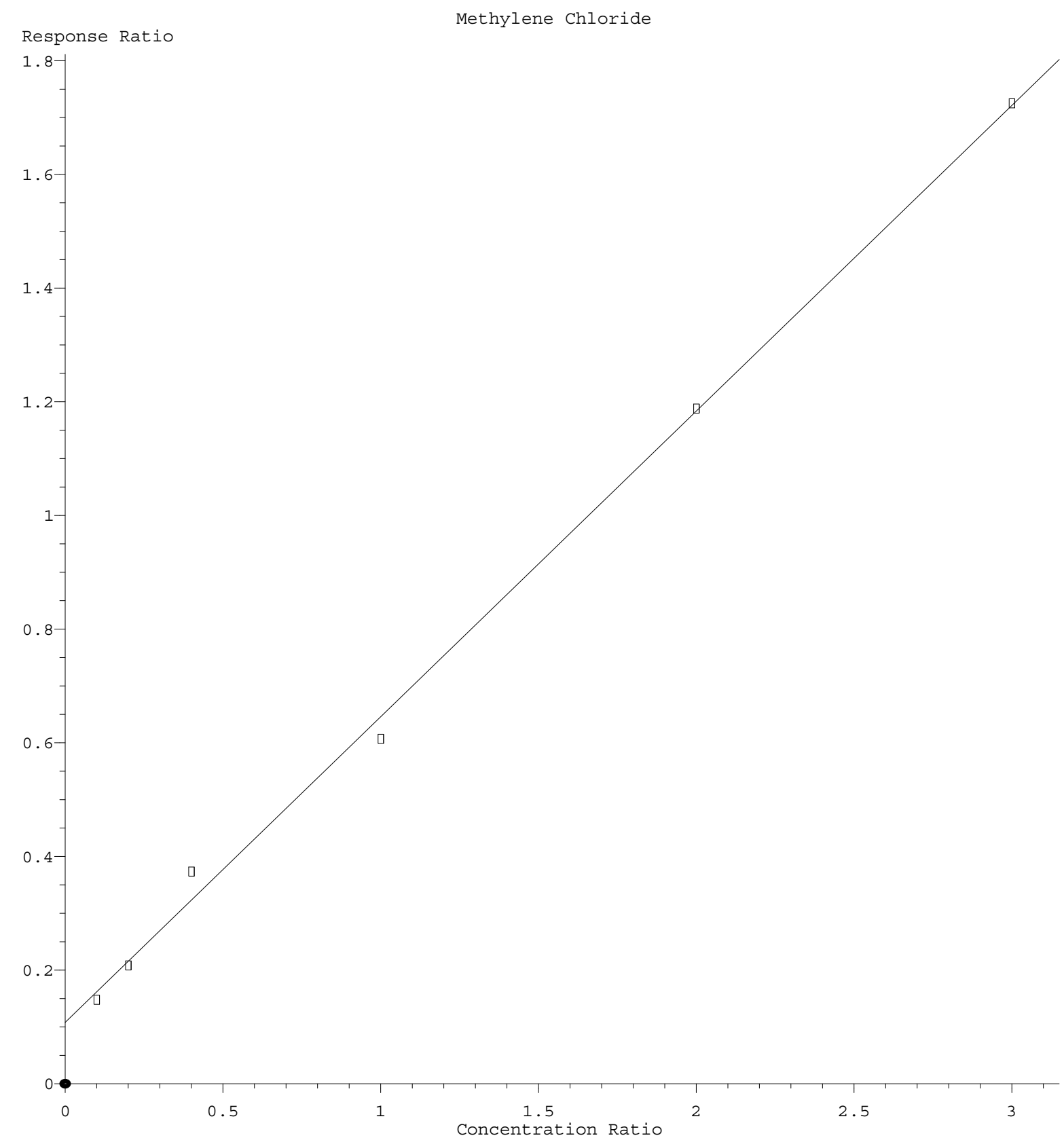
Calibration Files
5 =VY022990.D 10 =VY022991.D 20 =VY022992.D 50 =VY022993.D 100 =VY022994.D 150 =VY022995.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.490	0.456	0.508	0.367	0.361	0.364	0.425	16.07
3)	P	Chloromethane	0.789	0.743	0.886	0.618	0.632	0.663	0.722	14.46
4)	C	Vinyl Chloride	0.938	0.939	1.131	0.825	0.825	0.829	0.915	13.07#
5)	T	Bromomethane	0.708	0.665	0.792	0.554	0.607	0.634	0.660	12.58
6)	T	Chloroethane	0.620	0.627	0.731	0.556	0.563	0.567	0.611	10.87
7)	T	Trichlorofluor...	1.129	1.097	1.247	0.973	0.955	0.967	1.062	11.02
8)	T	Diethyl Ether	0.298	0.273	0.314	0.248	0.268	0.266	0.278	8.57
9)	T	1,1,2-Trichlor...	0.606	0.567	0.679	0.503	0.493	0.498	0.558	13.37
10)	T	Methyl Iodide	0.465	0.542	0.692	0.569	0.605	0.603	0.579	12.99
11)	T	Tert butyl alc...	0.027	0.029	0.034	0.029	0.031	0.033	0.031	8.75
12)	CM	1,1-Dichloroet...	0.563	0.544	0.626	0.476	0.483	0.496	0.531	10.84#
13)	T	Acrolein	0.020	0.018	0.024	0.007	0.008	0.009	0.014	50.14
14)	T	Allyl chloride	0.810	0.773	0.939	0.741	0.789	0.806	0.809	8.42
15)	T	Acrylonitrile	0.105	0.089	0.118	0.098	0.109	0.112	0.105	9.64
16)	T	Acetone	0.113	0.091	0.108	0.077	0.080	0.080	0.092	16.95
17)	T	Carbon Disulfide	1.692	1.624	1.962	1.438	1.471	1.475	1.610	12.37
18)	T	Methyl Acetate	0.247	0.256	0.351	0.323	0.323	0.364	0.311	15.72
19)	T	Methyl tert-bu...	1.179	1.145	1.451	1.191	1.320	1.359	1.274	9.51
20)	T	Methylene Chlo...	1.478	1.041	0.933	0.607	0.594	0.575	0.871	40.90
21)	T	trans-1,2-Dich...	0.597	0.571	0.707	0.533	0.567	0.574	0.591	10.17
22)	T	Diisopropyl ether	1.597	1.593	1.988	1.595	1.759	1.772	1.717	9.14
23)	T	Vinyl Acetate	0.775	0.767	0.989	0.807	0.928	0.926	0.865	10.84
24)	P	1,1-Dichloroet...	1.062	1.063	1.261	0.986	1.049	1.051	1.079	8.69
25)	T	2-Butanone	0.130	0.118	0.146	0.123	0.134	0.140	0.132	7.91
26)	T	2,2-Dichloropr...	0.977	0.925	1.111	0.858	0.893	0.907	0.945	9.54
27)	T	cis-1,2-Dichlo...	0.657	0.648	0.788	0.631	0.680	0.687	0.682	8.22
28)	T	Bromochloromet...	0.394	0.391	0.488	0.398	0.425	0.413	0.418	8.73
29)	T	Tetrahydrofuran	0.073	0.069	0.096	0.081	0.088	0.093	0.083	12.96
30)	C	Chloroform	1.075	1.076	1.267	0.991	1.070	1.050	1.088	8.57#
31)	T	Cyclohexane	1.175	1.012	1.175	0.880	0.887	0.918	1.008	13.67
32)	T	1,1,1-Trichlor...	1.006	0.976	1.162	0.903	0.929	0.947	0.987	9.41
33)	S	1,2-Dichloroet...	0.472	0.483	0.588	0.476	0.519	0.499	0.506	8.65
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.302	0.302	0.374	0.302	0.309	0.314	0.317	8.92
36)	T	1,1-Dichloropr...	0.505	0.479	0.600	0.472	0.462	0.480	0.500	10.23
37)	T	Ethyl Acetate	0.183	0.173	0.207	0.176	0.185	0.189	0.186	6.51
38)	T	Carbon Tetrach...	0.552	0.530	0.648	0.508	0.498	0.521	0.543	10.11
39)	T	Methylcyclohexane	0.657	0.609	0.764	0.611	0.604	0.635	0.647	9.43
40)	TM	Benzene	1.484	1.421	1.776	1.411	1.453	1.479	1.504	9.07
41)	T	Methacrylonitrile	0.079	0.105	0.111	0.100	0.105	0.107	0.101	11.11
42)	TM	1,2-Dichloroet...	0.361	0.342	0.434	0.358	0.375	0.376	0.374	8.54
43)	T	Isopropyl Acetate	0.316	0.314	0.421	0.365	0.389	0.405	0.369	12.28
44)	TM	Trichloroethene	0.402	0.374	0.450	0.365	0.361	0.367	0.386	8.94
45)	C	1,2-Dichloropr...	0.352	0.327	0.414	0.327	0.342	0.346	0.351	9.24#
46)	T	Dibromomethane	0.176	0.162	0.209	0.174	0.182	0.186	0.182	8.84
47)	T	Bromodichlorom...	0.487	0.463	0.588	0.473	0.501	0.501	0.502	8.89
48)	T	Methyl methacr...	0.148	0.149	0.200	0.180	0.189	0.203	0.178	13.72
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	12.38
50)	S	Toluene-d8	1.197	1.205	1.481	1.205	1.223	1.235	1.258	8.78
51)	T	4-Methyl-2-Pen...	0.150	0.155	0.212	0.191	0.200	0.214	0.187	14.96
52)	CM	Toluene	0.865	0.868	1.088	0.892	0.939	0.960	0.935	8.98#
53)	T	t-1,3-Dichloro...	0.383	0.376	0.493	0.414	0.452	0.467	0.431	10.93
54)	T	cis-1,3-Dichlo...	0.478	0.464	0.605	0.492	0.528	0.549	0.519	10.11
55)	T	1,1,2-Trichlor...	0.225	0.213	0.274	0.228	0.243	0.249	0.239	8.99
56)	T	Ethyl methacry...	0.234	0.242	0.322	0.301	0.336	0.351	0.298	16.55

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y071825S.M

57)	T	1,3-Dichloropr...	0.386	0.366	0.477	0.393	0.422	0.430	0.412	9.56
58)	T	2-Chloroethyl ...	0.108	0.117	0.154	0.157	0.166	0.173	0.146	18.34
59)	T	2-Hexanone	0.100	0.100	0.136	0.127	0.133	0.144	0.123	15.40
60)	T	Dibromochlorom...	0.284	0.275	0.359	0.303	0.322	0.331	0.312	10.00
61)	T	1,2-Dibromoethane	0.197	0.193	0.248	0.210	0.223	0.229	0.217	9.59
62)	S	4-Bromofluorob...	0.409	0.353	0.441	0.369	0.398	0.406	0.396	7.88
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.555	0.540	0.564	0.513	0.474	0.421	0.511	10.72
65)	PM	Chlorobenzene	1.151	1.151	1.356	1.114	1.145	1.163	1.180	7.45
66)	T	1,1,1,2-Tetrac...	0.399	0.383	0.457	0.376	0.394	0.406	0.402	7.23
67)	C	Ethyl Benzene	1.993	1.951	2.413	2.007	2.064	2.119	2.091	8.05#
68)	T	m/p-Xylenes	0.755	0.736	0.928	0.772	0.802	0.820	0.802	8.56
69)	T	o-Xylene	0.676	0.679	0.859	0.713	0.759	0.781	0.744	9.39
70)	T	Styrene	1.060	1.085	1.399	1.188	1.268	1.316	1.219	10.93
71)	P	Bromoform	0.186	0.183	0.223	0.194	0.215	0.226	0.204	9.43
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.176	4.073	5.014	4.052	3.914	4.206	4.239	9.28
74)	T	N-amyl acetate	0.682	0.709	0.873	0.794	0.832	0.904	0.799	11.10
75)	P	1,1,2,2-Tetrac...	0.558	0.561	0.749	0.560	0.582	0.671	0.613	12.90
76)	T	1,2,3-Trichlor...	0.616	0.599	0.713	0.596	0.580	0.633	0.623	7.65
77)	T	Bromobenzene	0.909	0.863	1.063	0.870	0.879	0.932	0.919	8.15
78)	T	n-propylbenzene	4.986	4.856	6.011	4.862	4.651	4.923	5.048	9.61
79)	T	2-Chlorotoluene	2.819	2.740	3.339	2.682	2.657	2.797	2.839	8.91
80)	T	1,3,5-Trimethy...	3.245	3.172	3.924	3.210	3.172	3.338	3.343	8.70
81)	T	trans-1,4-Dich...	0.203	0.189	0.234	0.200	0.204	0.225	0.209	8.14
82)	T	4-Chlorotoluene	2.826	2.738	3.331	2.730	2.704	2.851	2.864	8.26
83)	T	tert-Butylbenzene	2.997	2.802	3.547	2.928	2.833	3.014	3.020	9.00
84)	T	1,2,4-Trimethy...	3.148	3.060	3.852	3.171	3.176	3.340	3.291	8.80
85)	T	sec-Butylbenzene	4.483	4.301	5.388	4.342	4.230	4.411	4.526	9.53
86)	T	p-Isopropyltol...	3.467	3.392	4.318	3.566	3.557	3.754	3.676	9.17
87)	T	1,3-Dichlorobe...	1.871	1.736	2.121	1.750	1.783	1.871	1.855	7.69
88)	T	1,4-Dichlorobe...	1.838	1.717	2.062	1.687	1.706	1.761	1.795	7.88
89)	T	n-Butylbenzene	3.290	3.137	3.991	3.280	3.275	3.378	3.392	8.94
90)	T	Hexachloroethane	0.808	0.713	0.894	0.713	0.701	0.737	0.761	9.97
91)	T	1,2-Dichlorobe...	1.589	1.455	1.790	1.478	1.508	1.571	1.565	7.80
92)	T	1,2-Dibromo-3-...	0.084	0.083	0.101	0.090	0.090	0.098	0.091	7.80
93)	T	1,2,4-Trichlor...	0.781	0.726	0.946	0.794	0.838	0.864	0.825	9.26
94)	T	Hexachlorobuta...	0.581	0.492	0.630	0.473	0.473	0.471	0.520	13.17
95)	T	Naphthalene	1.028	1.049	1.403	1.381	1.484	1.595	1.323	17.61
96)	T	1,2,3-Trichlor...	0.628	0.603	0.757	0.671	0.709	0.720	0.681	8.61

(#) = Out of Range



Response = 5.378e-001 * Amt + 1.076e-001
Coef of Det (r^2) = 0.997789 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y071825S.M
Calibration Table Last Updated: Sat Jul 19 01:50:49 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022990.D
Acq On : 18 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:06:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	535707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	862980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	692947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	302335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25286	4.663	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 9.320%#			
35) Dibromofluoromethane	7.634	113	26103	4.768	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 9.540%#			
50) Toluene-d8	10.103	98	103295	4.758	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.520%#			
62) 4-Bromofluorobenzene	12.401	95	35295	5.165	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 10.320%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	26273	5.776	ug/l	97
3) Chloromethane	2.068	50	42286	5.467	ug/l	98
4) Vinyl Chloride	2.202	62	50232	5.126	ug/l	99
5) Bromomethane	2.598	94	37924	5.362	ug/l	94
6) Chloroethane	2.732	64	33229	5.077	ug/l	99
7) Trichlorofluoromethane	3.055	101	60508	5.319	ug/l	97
8) Diethyl Ether	3.452	74	15984	5.369	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.811	101	32487	5.437	ug/l	97
10) Methyl Iodide	4.013	142	24927	4.016	ug/l	98
11) Tert butyl alcohol	4.848	59	7260	22.015	ug/l #	73
12) 1,1-Dichloroethene	3.787	96	30134	5.294	ug/l	91
13) Acrolein	3.647	56	5246	35.292	ug/l #	57
14) Allyl chloride	4.378	41	43390	5.003	ug/l	98
15) Acrylonitrile	5.055	53	28037	24.863	ug/l	97
16) Acetone	3.866	43	30383	30.907	ug/l	96
17) Carbon Disulfide	4.104	76	90620	5.253	ug/l	96
18) Methyl Acetate	4.391	43	13210	3.969	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	63167	4.626	ug/l	97
20) Methylene Chloride	4.616	84	79161	3.739	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	31968	5.045	ug/l	99
22) Diisopropyl ether	6.024	45	85560	4.650	ug/l	96
23) Vinyl Acetate	5.957	43	207469	22.380	ug/l	100
24) 1,1-Dichloroethane	5.909	63	56892	4.923	ug/l	97
25) 2-Butanone	6.896	43	34740	24.634	ug/l	90
26) 2,2-Dichloropropane	6.878	77	52318	5.166	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	35196	4.820	ug/l	96
28) Bromochloromethane	7.244	49	21127	4.714	ug/l	98
29) Tetrahydrofuran	7.256	42	19429	21.760	ug/l	98
30) Chloroform	7.420	83	57601	4.941	ug/l	96
31) Cyclohexane	7.701	56	62949	5.830	ug/l #	81
32) 1,1,1-Trichloroethane	7.616	97	53871	5.093	ug/l	99
36) 1,1-Dichloropropene	7.835	75	43575	5.053	ug/l	98
37) Ethyl Acetate	6.988	43	15819m	4.940	ug/l	
38) Carbon Tetrachloride	7.817	117	47654	5.087	ug/l	97
39) Methylcyclohexane	9.109	83	56680	5.079	ug/l	99
40) Benzene	8.079	78	128094	4.934	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022990.D
Acq On : 18 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:06:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.213	41	6844	4.049 ug/l #	86
42) 1,2-Dichloroethane	8.158	62	31142	4.821 ug/l	98
43) Isopropyl Acetate	8.201	43	27300	4.292 ug/l #	85
44) Trichloroethene	8.865	130	34709	5.205 ug/l	92
45) 1,2-Dichloropropane	9.140	63	30343	5.005 ug/l	94
46) Dibromomethane	9.231	93	15218	4.856 ug/l	95
47) Bromodichloromethane	9.420	83	42002	4.849 ug/l	99
48) Methyl methacrylate	9.219	41	12765	4.156 ug/l	98
49) 1,4-Dioxane	9.225	88	2816	85.247 ug/l #	89
51) 4-Methyl-2-Pentanone	9.999	43	64649	20.023 ug/l	99
52) Toluene	10.170	92	74665	4.626 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	33067	4.447 ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	41220	4.599 ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	19458	4.724 ug/l	97
56) Ethyl methacrylate	10.438	69	20183	3.925 ug/l	99
57) 1,3-Dichloropropane	10.713	76	33346	4.686 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	46689	18.550 ug/l	100
59) 2-Hexanone	10.761	43	42954	20.239 ug/l	99
60) Dibromochloromethane	10.908	129	24530	4.548 ug/l	99
61) 1,2-Dibromoethane	11.011	107	17039	4.555 ug/l	100
64) Tetrachloroethene	10.645	164	38436	5.427 ug/l	94
65) Chlorobenzene	11.438	112	79744	4.877 ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.511	131	27645	4.957 ug/l	99
67) Ethyl Benzene	11.517	91	138078	4.764 ug/l	96
68) m/p-Xylenes	11.627	106	104654	9.414 ug/l	97
69) o-Xylene	11.950	106	46850	4.541 ug/l	98
70) Styrene	11.962	104	73426	4.345 ug/l	99
71) Bromoform	12.127	173	12858	4.541 ug/l #	99
73) Isopropylbenzene	12.249	105	126243	4.925 ug/l	99
74) N-amyl acetate	12.066	43	20632	4.269 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	16857	4.544 ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	18629m	4.765 ug/l	
77) Bromobenzene	12.529	156	27477	4.942 ug/l	100
78) n-propylbenzene	12.590	91	150755	4.939 ug/l	100
79) 2-Chlorotoluene	12.676	91	85237	4.965 ug/l	99
80) 1,3,5-Trimethylbenzene	12.730	105	98096	4.852 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	6126	4.843 ug/l	98
82) 4-Chlorotoluene	12.773	91	85449	4.935 ug/l	99
83) tert-Butylbenzene	12.993	119	90600	4.961 ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	95160	4.782 ug/l	99
85) sec-Butylbenzene	13.169	105	135535	4.953 ug/l	98
86) p-Isopropyltoluene	13.285	119	104828	4.717 ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	56578	5.043 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	55584	5.121 ug/l	95
89) n-Butylbenzene	13.614	91	99472	4.850 ug/l	98
90) Hexachloroethane	13.877	117	24435	5.310 ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	48036	5.076 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2548	4.626 ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	23607	4.732 ug/l	99
94) Hexachlorobutadiene	15.023	225	17559	5.583 ug/l	98
95) Naphthalene	15.139	128	31085	3.885 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	18973	4.606 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022990.D
Acq On : 18 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:06:34 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

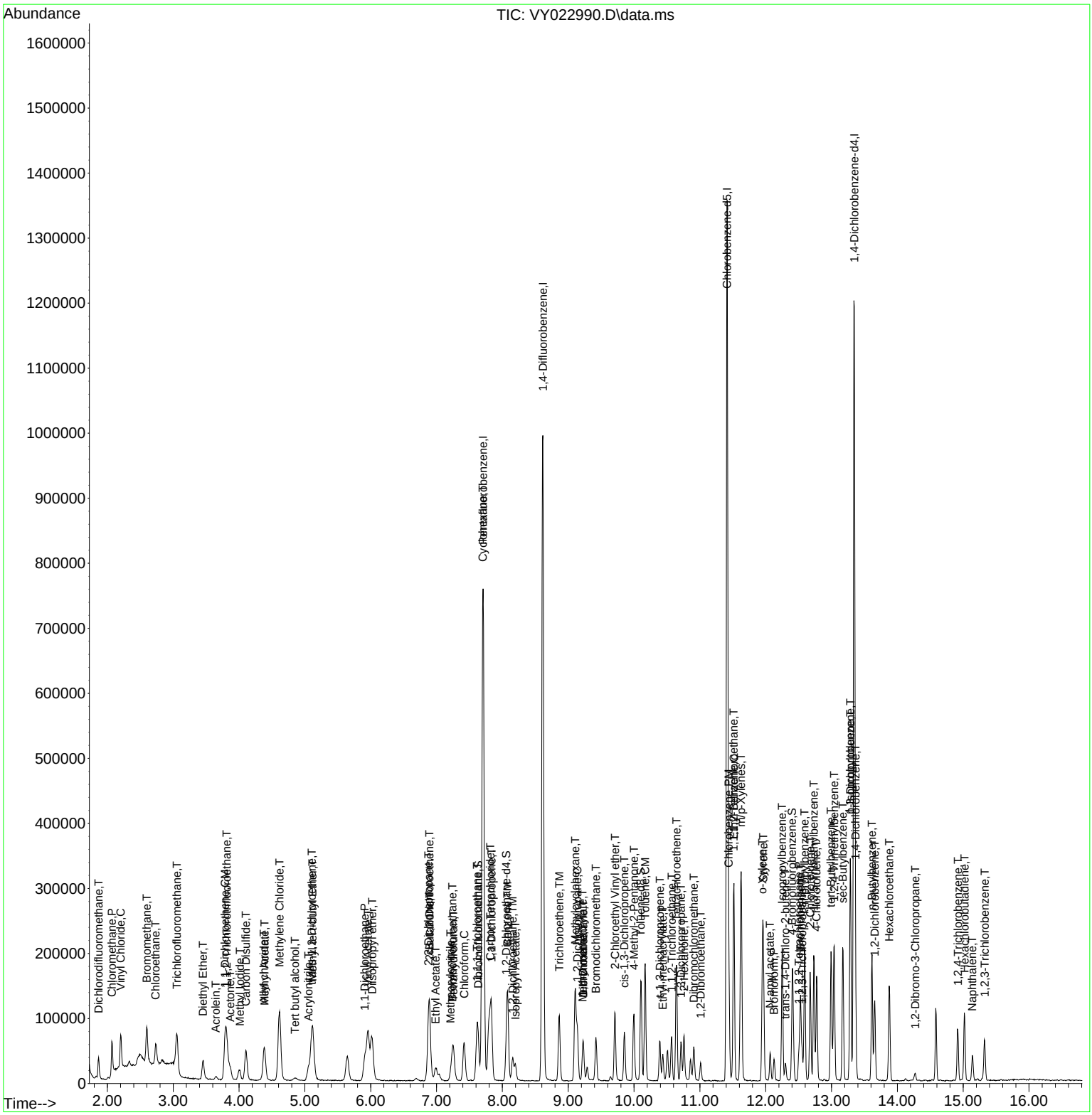
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022990.D
Acq On : 18 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 19 01:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:06:34 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022991.D
Acq On : 18 Jul 2025 10:54
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:30:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	486665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	793912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	634272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	281482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	46989	9.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 19.080%#			
35) Dibromofluoromethane	7.640	113	47940	9.519	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 19.040%#			
50) Toluene-d8	10.103	98	191385	9.583	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 19.160%#			
62) 4-Bromofluorobenzene	12.402	95	56048	8.915	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 17.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	44400	10.745	ug/l	97
3) Chloromethane	2.068	50	72344	10.296	ug/l	98
4) Vinyl Chloride	2.202	62	91411	10.269	ug/l	100
5) Bromomethane	2.592	94	64771	10.082	ug/l	98
6) Chloroethane	2.733	64	61053	10.269	ug/l	98
7) Trichlorofluoromethane	3.050	101	106798	10.335	ug/l	97
8) Diethyl Ether	3.452	74	26530	9.809	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	55150	10.159	ug/l	98
10) Methyl Iodide	4.007	142	52773	9.358	ug/l	97
11) Tert butyl alcohol	4.848	59	14081	47.002	ug/l	96
12) 1,1-Dichloroethene	3.787	96	52948	10.239	ug/l	95
13) Acrolein	3.653	56	8925	66.092	ug/l	93
14) Allyl chloride	4.379	41	75202	9.545	ug/l	99
15) Acrylonitrile	5.061	53	43540	42.502	ug/l	97
16) Acetone	3.867	43	44190	49.482	ug/l	91
17) Carbon Disulfide	4.104	76	158034	10.083	ug/l	99
18) Methyl Acetate	4.391	43	24878	8.228	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	111411	8.982	ug/l	95
20) Methylene Chloride	4.616	84	101278	9.348	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	55587	9.657	ug/l	91
22) Diisopropyl ether	6.019	45	155004	9.274	ug/l	95
23) Vinyl Acetate	5.958	43	373434	44.343	ug/l	100
24) 1,1-Dichloroethane	5.915	63	103495	9.859	ug/l	98
25) 2-Butanone	6.890	43	57204	44.650	ug/l	97
26) 2,2-Dichloropropane	6.878	77	90050	9.787	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	63030	9.501	ug/l	99
28) Bromochloromethane	7.244	49	38094	9.356	ug/l	98
29) Tetrahydrofuran	7.262	42	33741	41.597	ug/l	99
30) Chloroform	7.421	83	104738	9.890	ug/l	91
31) Cyclohexane	7.701	56	98453	10.037	ug/l #	93
32) 1,1,1-Trichloroethane	7.616	97	94990	9.886	ug/l	99
36) 1,1-Dichloropropene	7.835	75	76035	9.585	ug/l	99
37) Ethyl Acetate	6.982	43	27491m	9.331	ug/l	
38) Carbon Tetrachloride	7.817	117	84148	9.764	ug/l	99
39) Methylcyclohexane	9.103	83	96640	9.412	ug/l	96
40) Benzene	8.079	78	225702	9.450	ug/l	95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022991.D
Acq On : 18 Jul 2025 10:54
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:30:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	16608m	10.680	ug/l		
42) 1,2-Dichloroethane	8.158	62	54251	9.130	ug/l		98
43) Isopropyl Acetate	8.195	43	49891	8.525	ug/l	#	85
44) Trichloroethene	8.866	130	59337	9.672	ug/l		99
45) 1,2-Dichloropropane	9.140	63	51870	9.300	ug/l		97
46) Dibromomethane	9.231	93	25659	8.900	ug/l		97
47) Bromodichloromethane	9.420	83	73468	9.219	ug/l		96
48) Methyl methacrylate	9.219	41	23583	8.347	ug/l		97
49) 1,4-Dioxane	9.225	88	5158	169.729	ug/l		97
51) 4-Methyl-2-Pentanone	10.000	43	123354	41.528	ug/l		98
52) Toluene	10.170	92	137786	9.279	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	59746	8.734	ug/l		95
54) cis-1,3-Dichloropropene	9.853	75	73674	8.935	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	33848	8.933	ug/l		95
56) Ethyl methacrylate	10.439	69	38473	8.133	ug/l		97
57) 1,3-Dichloropropane	10.713	76	58102	8.876	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	92984	40.157	ug/l		98
59) 2-Hexanone	10.756	43	79059	40.492	ug/l		100
60) Dibromochloromethane	10.908	129	43711	8.809	ug/l		99
61) 1,2-Dibromoethane	11.012	107	30636	8.903	ug/l		99
64) Tetrachloroethene	10.646	164	68560	10.575	ug/l		99
65) Chlorobenzene	11.438	112	146007	9.755	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.512	131	48542	9.509	ug/l		100
67) Ethyl Benzene	11.518	91	247552	9.331	ug/l		100
68) m/p-Xylenes	11.627	106	186725	18.350	ug/l		99
69) o-Xylene	11.950	106	86193	9.127	ug/l		100
70) Styrene	11.969	104	137633	8.898	ug/l		99
71) Bromoform	12.127	173	23193	8.949	ug/l	#	98
73) Isopropylbenzene	12.249	105	229285	9.608	ug/l		100
74) N-amyl acetate	12.066	43	39921	8.873	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.499	83	31610	9.153	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	33738m	9.523	ug/l		
77) Bromobenzene	12.530	156	48601	9.390	ug/l		98
78) n-propylbenzene	12.591	91	273348	9.618	ug/l		100
79) 2-Chlorotoluene	12.676	91	154267	9.652	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	178551	9.486	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	10642	9.037	ug/l		97
82) 4-Chlorotoluene	12.774	91	154131	9.561	ug/l		98
83) tert-Butylbenzene	12.993	119	157733	9.277	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	172262	9.297	ug/l		100
85) sec-Butylbenzene	13.170	105	242143	9.504	ug/l		100
86) p-Isopropyltoluene	13.286	119	190964	9.229	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	97707	9.354	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	96650	9.564	ug/l		97
89) n-Butylbenzene	13.615	91	176599	9.249	ug/l		99
90) Hexachloroethane	13.877	117	40137	9.369	ug/l		98
91) 1,2-Dichlorobenzene	13.651	146	81887	9.294	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	4700	9.166	ug/l		95
93) 1,2,4-Trichlorobenzene	14.913	180	40871	8.800	ug/l		99
94) Hexachlorobutadiene	15.017	225	27714	9.465	ug/l		98
95) Naphthalene	15.139	128	59039	7.926	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	33923	8.846	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022991.D
Acq On : 18 Jul 2025 10:54
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:30:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 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

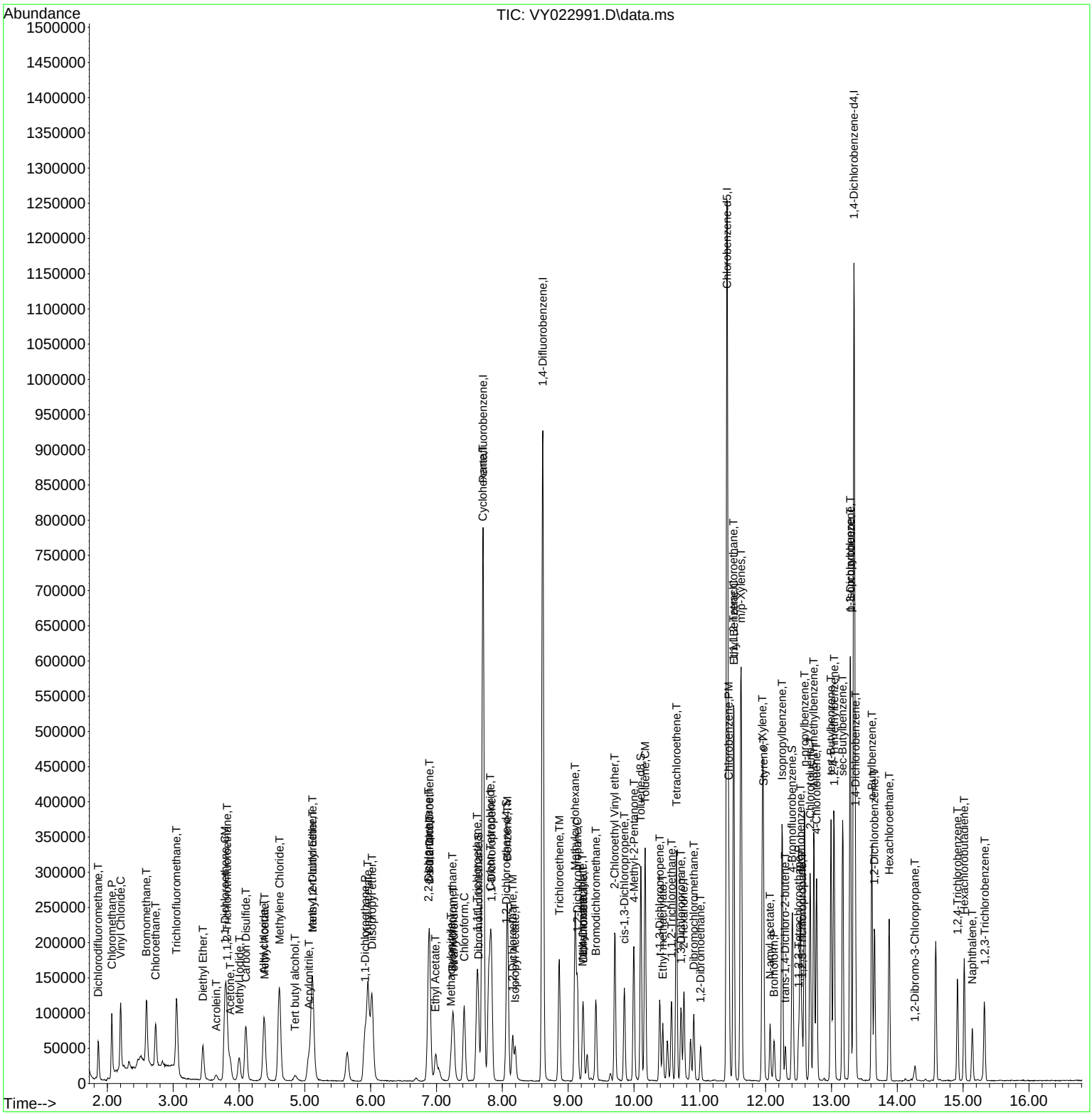
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022991.D
Acq On : 18 Jul 2025 10:54
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 19 01:30:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022992.D
Acq On : 18 Jul 2025 11:41
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:31:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	408920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	651408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	541736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	248244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96238	23.248	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	46.500%#		
35) Dibromofluoromethane	7.634	113	97474	23.589	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	47.180%#		
50) Toluene-d8	10.103	98	385999	23.556	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	47.120%#		
62) 4-Bromofluorobenzene	12.402	95	114873	22.270	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	44.540%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	83107	23.935	ug/l	95
3) Chloromethane	2.074	50	144975	24.556	ug/l	98
4) Vinyl Chloride	2.208	62	185061	24.741	ug/l	100
5) Bromomethane	2.592	94	129537	23.996	ug/l	98
6) Chloroethane	2.739	64	119604	23.942	ug/l	95
7) Trichlorofluoromethane	3.056	101	204047	23.500	ug/l	100
8) Diethyl Ether	3.452	74	51301	22.575	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	111028	24.342	ug/l	100
10) Methyl Iodide	4.007	142	113170	23.883	ug/l	98
11) Tert butyl alcohol	4.860	59	28061	111.476	ug/l	96
12) 1,1-Dichloroethene	3.793	96	102333	23.551	ug/l	99
13) Acrolein	3.653	56	19800	174.501	ug/l	100
14) Allyl chloride	4.385	41	153543	23.195	ug/l	97
15) Acrylonitrile	5.055	53	96516	112.128	ug/l	99
16) Acetone	3.873	43	88498	117.937	ug/l	97
17) Carbon Disulfide	4.104	76	320990	24.374	ug/l	100
18) Methyl Acetate	4.391	43	57450	22.614	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	237393	22.778	ug/l	97
20) Methylene Chloride	4.616	84	152623	24.700	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	115595	23.899	ug/l	98
22) Diisopropyl ether	6.019	45	325183	23.155	ug/l	99
23) Vinyl Acetate	5.958	43	808683	114.282	ug/l	100
24) 1,1-Dichloroethane	5.915	63	206224	23.379	ug/l	99
25) 2-Butanone	6.890	43	119127	110.662	ug/l	99
26) 2,2-Dichloropropane	6.884	77	181752	23.510	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	128882	23.120	ug/l	97
28) Bromochloromethane	7.244	49	79854	23.340	ug/l	98
29) Tetrahydrofuran	7.262	42	78302	114.888	ug/l	98
30) Chloroform	7.415	83	207172	23.282	ug/l	97
31) Cyclohexane	7.701	56	192200	23.319	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	190105	23.546	ug/l	99
36) 1,1-Dichloropropene	7.835	75	156287	24.012	ug/l	99
37) Ethyl Acetate	6.988	43	53987	22.333	ug/l	99
38) Carbon Tetrachloride	7.817	117	168861	23.880	ug/l	97
39) Methylcyclohexane	9.109	83	199123	23.636	ug/l	97
40) Benzene	8.079	78	462756	23.613	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022992.D
Acq On : 18 Jul 2025 11:41
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:31:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	28815m	22.584	ug/l		
42) 1,2-Dichloroethane	8.158	62	113164	23.210	ug/l		98
43) Isopropyl Acetate	8.195	43	109734	22.853	ug/l	#	86
44) Trichloroethene	8.866	130	117248	23.293	ug/l		96
45) 1,2-Dichloropropane	9.140	63	107925	23.583	ug/l		100
46) Dibromomethane	9.231	93	54583	23.074	ug/l		99
47) Bromodichloromethane	9.420	83	153091	23.413	ug/l		100
48) Methyl methacrylate	9.219	41	52108	22.478	ug/l		99
49) 1,4-Dioxane	9.231	88	10878	436.257	ug/l		95
51) 4-Methyl-2-Pentanone	9.993	43	276366	113.395	ug/l		98
52) Toluene	10.170	92	283471	23.265	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	128369	22.870	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	157554	23.288	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	71370	22.955	ug/l		95
56) Ethyl methacrylate	10.438	69	84006	21.644	ug/l		99
57) 1,3-Dichloropropane	10.713	76	124222	23.129	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.707	63	199993	105.265	ug/l		98
59) 2-Hexanone	10.762	43	176582	110.226	ug/l		100
60) Dibromochloromethane	10.908	129	93599	22.990	ug/l		99
61) 1,2-Dibromoethane	11.012	107	64601	22.880	ug/l		100
64) Tetrachloroethene	10.646	164	122138	22.057	ug/l		92
65) Chlorobenzene	11.438	112	293874	22.989	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	99114	22.732	ug/l		99
67) Ethyl Benzene	11.518	91	522955	23.080	ug/l		97
68) m/p-Xylenes	11.627	106	402055	46.261	ug/l		99
69) o-Xylene	11.950	106	186047	23.067	ug/l		98
70) Styrene	11.969	104	303236	22.952	ug/l		100
71) Bromoform	12.127	173	48429	21.879	ug/l	#	100
73) Isopropylbenzene	12.255	105	497888	23.656	ug/l		100
74) N-amyl acetate	12.066	43	86729	21.857	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	74385	24.423	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	70821m	22.668	ug/l		
77) Bromobenzene	12.530	156	105553	23.124	ug/l		99
78) n-propylbenzene	12.591	91	596905	23.816	ug/l		99
79) 2-Chlorotoluene	12.676	91	331602	23.524	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	389641	23.473	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	23253	22.390	ug/l		97
82) 4-Chlorotoluene	12.773	91	330802	23.268	ug/l		99
83) tert-Butylbenzene	12.993	119	352211	23.490	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	382534	23.411	ug/l		99
85) sec-Butylbenzene	13.170	105	534996	23.809	ug/l		100
86) p-Isopropyltoluene	13.286	119	428741	23.494	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	210649	22.867	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	204733	22.973	ug/l		100
89) n-Butylbenzene	13.615	91	396249	23.531	ug/l		100
90) Hexachloroethane	13.877	117	88795	23.502	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	177792	22.880	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10028	22.174	ug/l		96
93) 1,2,4-Trichlorobenzene	14.913	180	93971	22.942	ug/l		98
94) Hexachlorobutadiene	15.017	225	62599	24.242	ug/l		98
95) Naphthalene	15.139	128	139330	21.209	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	75143	22.219	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022992.D
Acq On : 18 Jul 2025 11:41
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:31:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 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

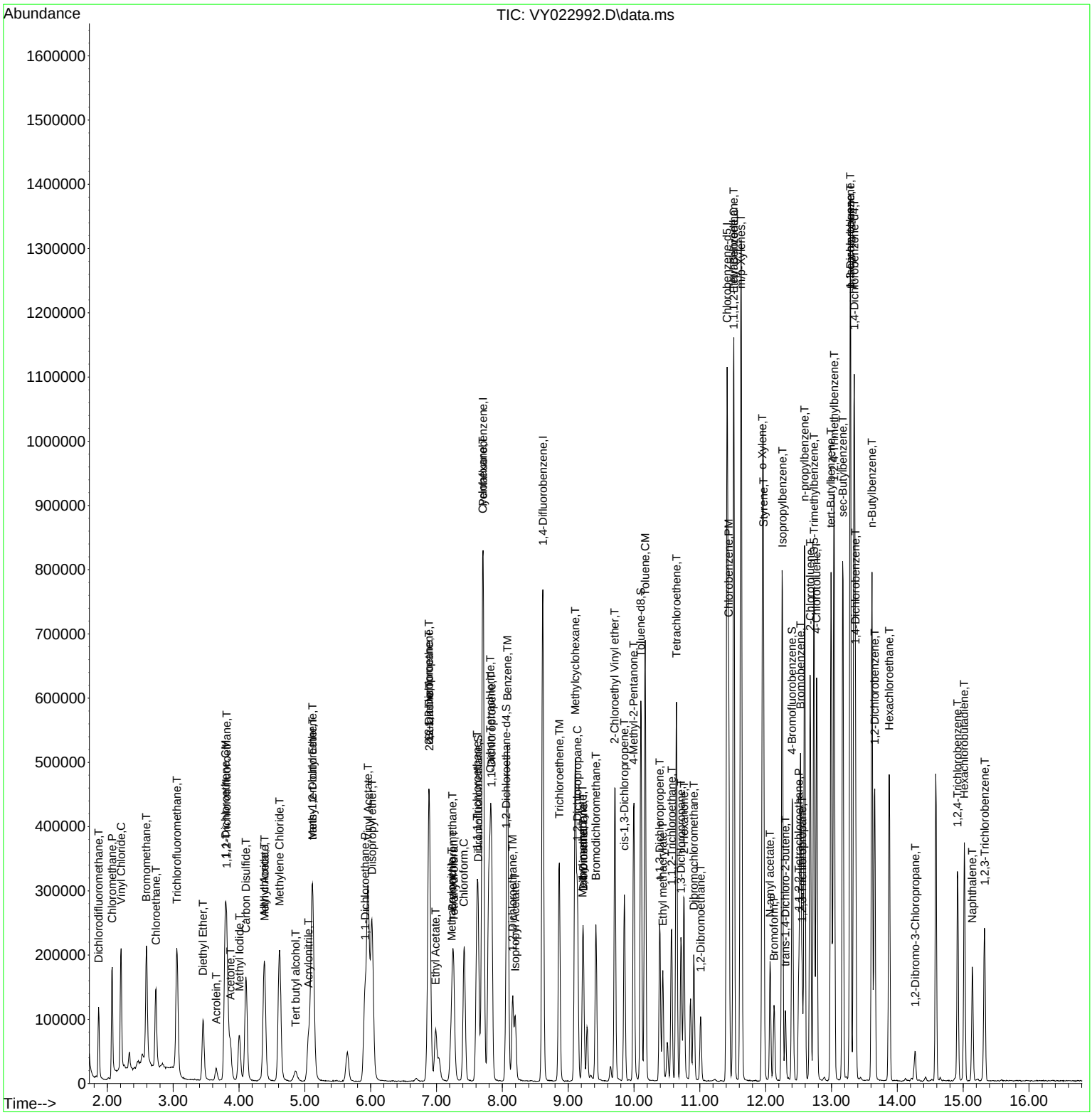
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022992.D
Acq On : 18 Jul 2025 11:41
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 19 01:31:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022993.D
Acq On : 18 Jul 2025 12:04
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:32:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	501817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	789191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	664286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	311329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	239014	47.050	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.100%			
35) Dibromofluoromethane	7.634	113	238242	47.590	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.180%			
50) Toluene-d8	10.103	98	950656	47.886	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.780%			
62) 4-Bromofluorobenzene	12.401	95	291196	46.597	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	184397	43.276	ug/l	100
3) Chloromethane	2.068	50	310189	42.813	ug/l	100
4) Vinyl Chloride	2.202	62	413768	45.077	ug/l	100
5) Bromomethane	2.592	94	278011	41.966	ug/l	100
6) Chloroethane	2.732	64	279256	45.553	ug/l	100
7) Trichlorofluoromethane	3.049	101	488462	45.842	ug/l	100
8) Diethyl Ether	3.452	74	124617	44.685	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	252620	45.131	ug/l	100
10) Methyl Iodide	4.001	142	285736	49.138	ug/l	100
11) Tert butyl alcohol	4.854	59	73810	238.938	ug/l	100
12) 1,1-Dichloroethene	3.787	96	239058	44.832	ug/l	100
13) Acrolein	3.653	56	18455	132.538	ug/l	100
14) Allyl chloride	4.378	41	371772	45.764	ug/l	100
15) Acrylonitrile	5.055	53	247093	233.921	ug/l	100
16) Acetone	3.866	43	194159	210.847	ug/l	100
17) Carbon Disulfide	4.104	76	721811	44.664	ug/l	100
18) Methyl Acetate	4.385	43	162254	52.045	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	597847	46.744	ug/l	100
20) Methylene Chloride	4.610	84	304504	46.415	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	267267	45.028	ug/l	100
22) Diisopropyl ether	6.018	45	800264	46.434	ug/l	100
23) Vinyl Acetate	5.957	43	2025238	233.221	ug/l	100
24) 1,1-Dichloroethane	5.915	63	494896	45.718	ug/l	100
25) 2-Butanone	6.890	43	309076	233.963	ug/l	100
26) 2,2-Dichloropropane	6.884	77	430578	45.386	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	316409	46.253	ug/l	100
28) Bromochloromethane	7.244	49	199840	47.598	ug/l	100
29) Tetrahydrofuran	7.262	42	204304	244.270	ug/l	100
30) Chloroform	7.421	83	497058	45.518	ug/l	100
31) Cyclohexane	7.701	56	441500	43.650	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	453173	45.738	ug/l	100
36) 1,1-Dichloropropene	7.835	75	372166	47.196	ug/l	100
37) Ethyl Acetate	6.982	43	138948	47.445	ug/l	100
38) Carbon Tetrachloride	7.817	117	400589	46.760	ug/l	100
39) Methylcyclohexane	9.109	83	482312	47.256	ug/l	100
40) Benzene	8.079	78	1113790	46.911	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022993.D
Acq On : 18 Jul 2025 12:04
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:32:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.213	41	78701	50.913 ug/l	100
42) 1,2-Dichloroethane	8.158	62	282749	47.867 ug/l	100
43) Isopropyl Acetate	8.195	43	288097	49.524 ug/l	100
44) Trichloroethene	8.866	130	288157	47.253 ug/l	100
45) 1,2-Dichloropropane	9.140	63	258018	46.536 ug/l	100
46) Dibromomethane	9.231	93	137104	47.840 ug/l	100
47) Bromodichloromethane	9.420	83	373011	47.086 ug/l	100
48) Methyl methacrylate	9.219	41	141851	50.507 ug/l	100
49) 1,4-Dioxane	9.225	88	30004	993.216 ug/l	100
51) 4-Methyl-2-Pentanone	9.993	43	754317	255.467 ug/l	100
52) Toluene	10.170	92	703655	47.669 ug/l	100
53) t-1,3-Dichloropropene	10.390	75	326909	48.074 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	388343	47.380 ug/l	100
55) 1,1,2-Trichloroethane	10.566	97	179703	47.708 ug/l	100
56) Ethyl methacrylate	10.438	69	237585	50.527 ug/l	100
57) 1,3-Dichloropropane	10.713	76	309762	47.605 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	618691	268.792 ug/l	100
59) 2-Hexanone	10.755	43	499848	257.540 ug/l	100
60) Dibromochloromethane	10.908	129	239431	48.542 ug/l	100
61) 1,2-Dibromoethane	11.011	107	165428	48.362 ug/l	100
64) Tetrachloroethene	10.646	164	340698	50.177 ug/l	100
65) Chlorobenzene	11.438	112	739951	47.205 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	249587	46.683 ug/l	100
67) Ethyl Benzene	11.517	91	1333383	47.990 ug/l	100
68) m/p-Xylenes	11.627	106	1025693	96.245 ug/l	100
69) o-Xylene	11.950	106	473669	47.893 ug/l	100
70) Styrene	11.969	104	788910	48.697 ug/l	100
71) Bromoform	12.127	173	128589	47.377 ug/l	100
73) Isopropylbenzene	12.249	105	1261366	47.788 ug/l	100
74) N-amyl acetate	12.066	43	247232	49.681 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.499	83	174373	45.650 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	185675m	47.387 ug/l	
77) Bromobenzene	12.529	156	270964	47.332 ug/l	100
78) n-propylbenzene	12.590	91	1513613	48.154 ug/l	100
79) 2-Chlorotoluene	12.676	91	834869	47.226 ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	999303	48.002 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	62367	47.883 ug/l	100
82) 4-Chlorotoluene	12.773	91	849887	47.667 ug/l	100
83) tert-Butylbenzene	12.993	119	911526	48.474 ug/l	100
84) 1,2,4-Trimethylbenzene	13.035	105	987090	48.169 ug/l	100
85) sec-Butylbenzene	13.170	105	1351665	47.965 ug/l	100
86) p-Isopropyltoluene	13.285	119	1110110	48.505 ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	544923	47.167 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	525144	46.985 ug/l	100
89) n-Butylbenzene	13.615	91	1021282	48.359 ug/l	100
90) Hexachloroethane	13.877	117	221864	46.822 ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	460252	47.229 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	28006	49.379 ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	247288	48.140 ug/l	100
94) Hexachlorobutadiene	15.017	225	147284	45.479 ug/l	100
95) Naphthalene	15.139	128	429845	52.172 ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	208782	49.224 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022993.D
Acq On : 18 Jul 2025 12:04
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:32:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 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

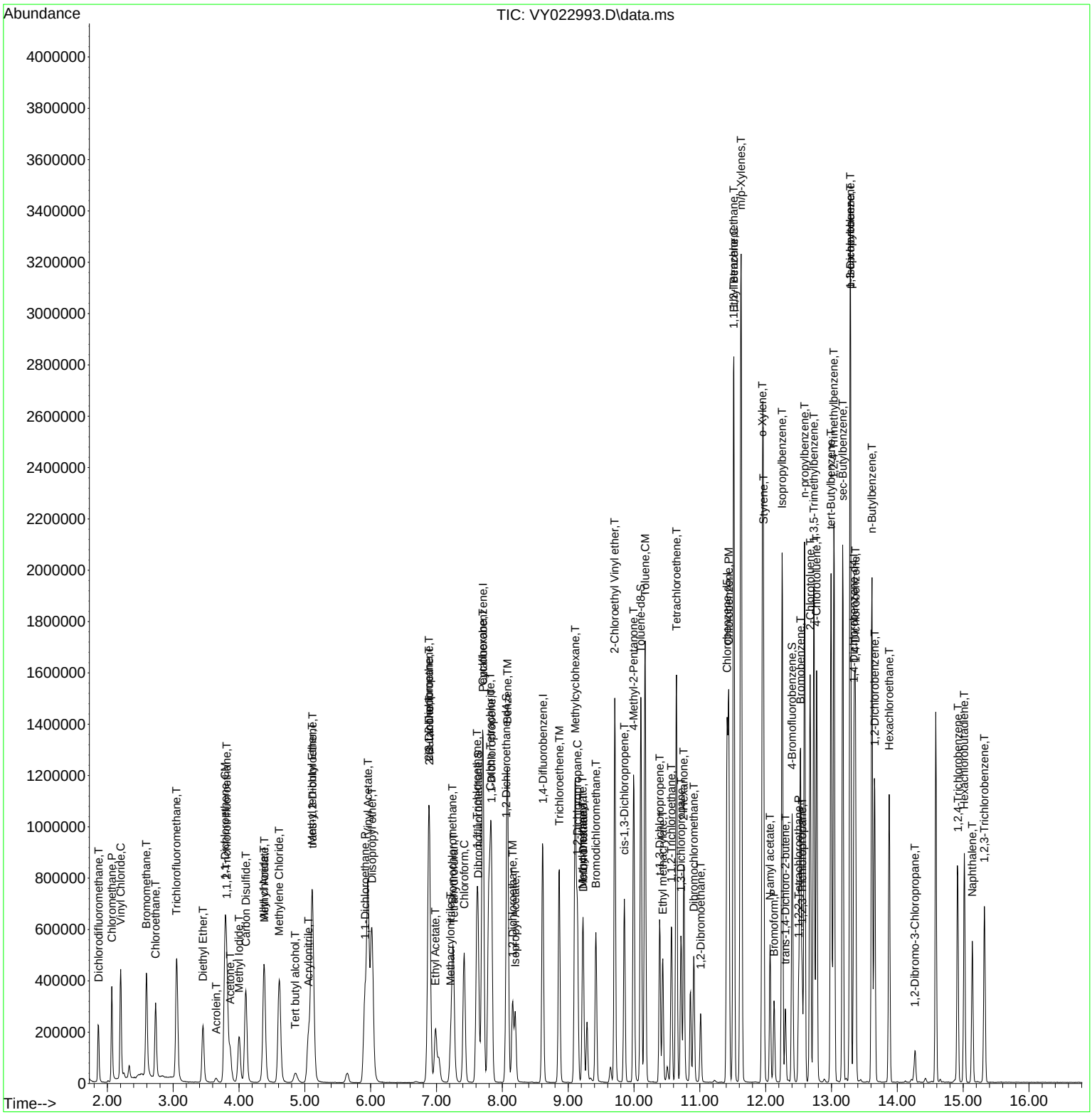
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022993.D
Acq On : 18 Jul 2025 12:04
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 19 01:32:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022994.D
Acq On : 18 Jul 2025 12:27
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:33:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	475954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	780876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	678532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	336381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	493933	102.513	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 205.020%#			
35) Dibromofluoromethane	7.634	113	482657	97.440	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 194.880%#			
50) Toluene-d8	10.103	98	1910579	97.264	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 194.520%#			
62) 4-Bromofluorobenzene	12.402	95	621212	100.465	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 200.920%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	343933	85.103	ug/l	99
3) Chloromethane	2.068	50	601188	87.486	ug/l	99
4) Vinyl Chloride	2.202	62	785743	90.253	ug/l	98
5) Bromomethane	2.586	94	577639	91.932	ug/l	98
6) Chloroethane	2.733	64	535701	92.133	ug/l	99
7) Trichlorofluoromethane	3.050	101	909366	89.982	ug/l	97
8) Diethyl Ether	3.452	74	255324	96.529	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	469718	88.476	ug/l	100
10) Methyl Iodide	4.001	142	575669	104.378	ug/l	99
11) Tert butyl alcohol	4.860	59	147261	502.619	ug/l	98
12) 1,1-Dichloroethene	3.787	96	460202	90.995	ug/l	97
13) Acrolein	3.653	56	39471	298.871	ug/l	95
14) Allyl chloride	4.379	41	750900	97.457	ug/l	100
15) Acrylonitrile	5.055	53	520028	519.058	ug/l	99
16) Acetone	3.867	43	381982	437.355	ug/l	98
17) Carbon Disulfide	4.104	76	1399893	91.330	ug/l	100
18) Methyl Acetate	4.385	43	307662	104.049	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	1256898	103.613	ug/l	99
20) Methylene Chloride	4.610	84	565355	100.432	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	539769	95.878	ug/l	99
22) Diisopropyl ether	6.019	45	1674257	102.426	ug/l	99
23) Vinyl Acetate	5.958	43	4415435	536.099	ug/l	100
24) 1,1-Dichloroethane	5.909	63	998111	97.216	ug/l	99
25) 2-Butanone	6.890	43	637358	508.682	ug/l	99
26) 2,2-Dichloropropane	6.884	77	850357	94.504	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	647185	99.748	ug/l	99
28) Bromochloromethane	7.244	49	404739	101.639	ug/l	99
29) Tetrahydrofuran	7.262	42	419926	529.354	ug/l	99
30) Chloroform	7.421	83	1018437	98.332	ug/l	98
31) Cyclohexane	7.701	56	844759	88.057	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	884489	94.120	ug/l	100
36) 1,1-Dichloropropene	7.835	75	722234	92.565	ug/l	99
37) Ethyl Acetate	6.982	43	288448	99.541	ug/l	100
38) Carbon Tetrachloride	7.817	117	778082	91.791	ug/l	98
39) Methylcyclohexane	9.110	83	943130	93.389	ug/l	98
40) Benzene	8.079	78	2269537	96.608	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022994.D
Acq On : 18 Jul 2025 12:27
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:33:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	164406	107.489	ug/l		97
42) 1,2-Dichloroethane	8.158	62	585330	100.148	ug/l		100
43) Isopropyl Acetate	8.195	43	607757	105.586	ug/l	#	86
44) Trichloroethene	8.866	130	563155	93.331	ug/l		98
45) 1,2-Dichloropropane	9.140	63	533997	97.337	ug/l		100
46) Dibromomethane	9.225	93	284227	100.232	ug/l		99
47) Bromodichloromethane	9.420	83	781857	99.747	ug/l		99
48) Methyl methacrylate	9.219	41	295029	106.166	ug/l		98
49) 1,4-Dioxane	9.225	88	65215	2181.786	ug/l		93
51) 4-Methyl-2-Pentanone	9.994	43	1565020	535.675	ug/l		98
52) Toluene	10.170	92	1466593	100.411	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	705883	104.909	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	825037	101.731	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	379653	101.863	ug/l		98
56) Ethyl methacrylate	10.439	69	525284	112.902	ug/l		99
57) 1,3-Dichloropropane	10.713	76	659240	102.392	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	1299087	570.401	ug/l		100
59) 2-Hexanone	10.756	43	1036463	539.710	ug/l		98
60) Dibromochloromethane	10.908	129	502369	102.935	ug/l		100
61) 1,2-Dibromoethane	11.012	107	348166	102.869	ug/l		100
64) Tetrachloroethene	10.646	164	642694	92.667	ug/l		99
65) Chlorobenzene	11.438	112	1553437	97.021	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.512	131	534070	97.795	ug/l		100
67) Ethyl Benzene	11.518	91	2801373	98.709	ug/l		99
68) m/p-Xylenes	11.621	106	2176388	199.933	ug/l		98
69) o-Xylene	11.950	106	1029408	101.898	ug/l		98
70) Styrene	11.963	104	1721270	104.018	ug/l		100
71) Bromoform	12.127	173	291448	105.125	ug/l	#	99
73) Isopropylbenzene	12.249	105	2633517	92.342	ug/l		99
74) N-amyl acetate	12.066	43	559798	104.113	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.499	83	391508	94.863	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	390512m	92.242	ug/l		
77) Bromobenzene	12.530	156	591382	95.609	ug/l		100
78) n-propylbenzene	12.591	91	3128958	92.131	ug/l		98
79) 2-Chlorotoluene	12.676	91	1787847	93.601	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	2134216	94.884	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	136910	97.286	ug/l		96
82) 4-Chlorotoluene	12.774	91	1819454	94.446	ug/l		99
83) tert-Butylbenzene	12.993	119	1906177	93.818	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	2136779	96.506	ug/l		99
85) sec-Butylbenzene	13.170	105	2845557	93.457	ug/l		99
86) p-Isopropyltoluene	13.286	119	2393335	96.785	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	1199663	96.105	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	1147484	95.021	ug/l		100
89) n-Butylbenzene	13.615	91	2202992	96.545	ug/l		100
90) Hexachloroethane	13.877	117	471548	92.105	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	1014265	96.328	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	60444	98.636	ug/l		99
93) 1,2,4-Trichlorobenzene	14.913	180	563754	101.574	ug/l		99
94) Hexachlorobutadiene	15.017	225	318528	91.031	ug/l		99
95) Naphthalene	15.139	128	998336	112.148	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	477101	104.109	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022994.D
Acq On : 18 Jul 2025 12:27
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:33:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 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

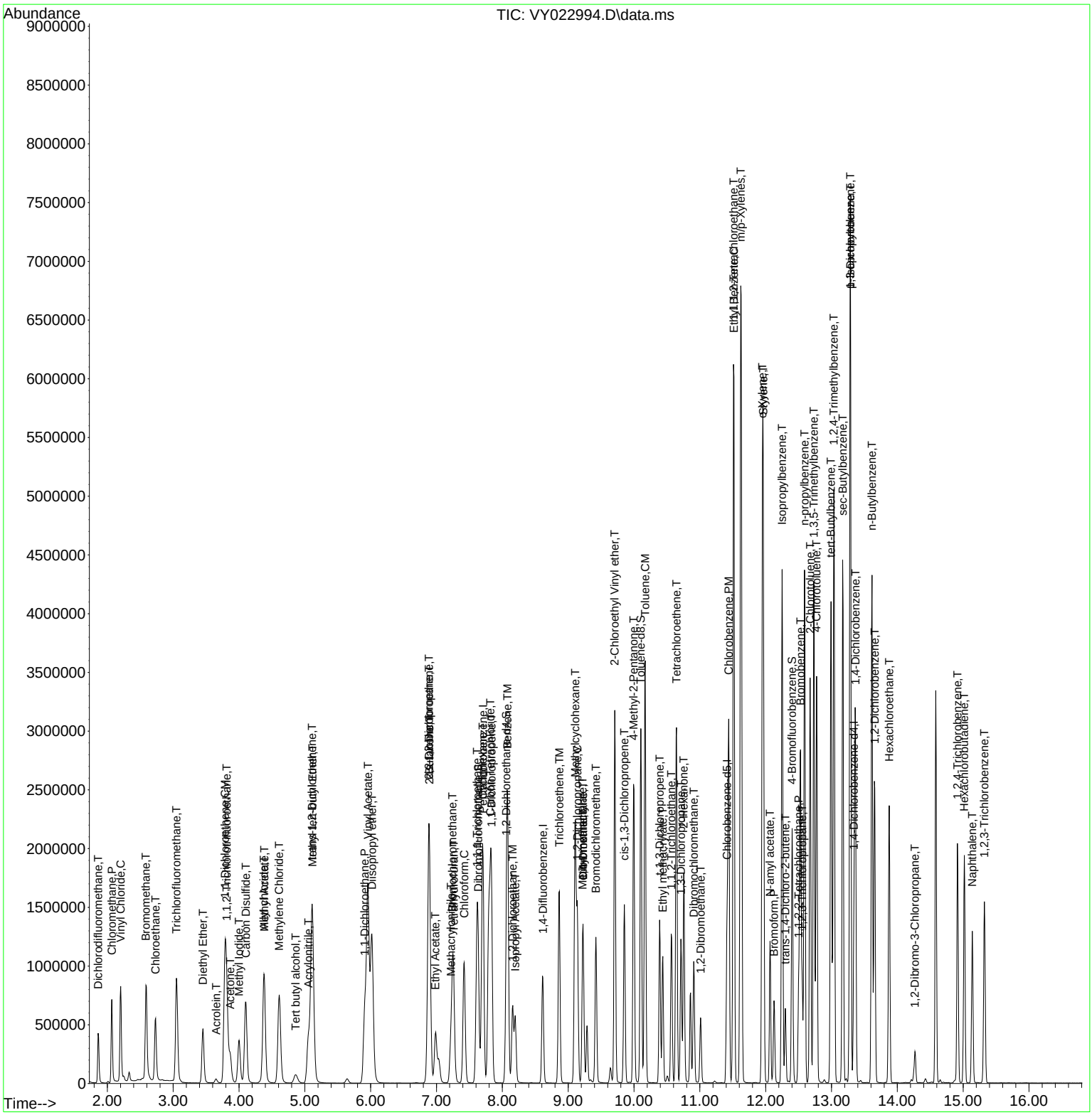
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022994.D
Acq On : 18 Jul 2025 12:27
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 19 01:33:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022995.D
Acq On : 18 Jul 2025 12:49
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:34:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	507576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	818041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	713048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	341818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	759333	147.778	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 295.560%#			
35) Dibromofluoromethane	7.634	113	769587	148.308	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 296.620%#			
50) Toluene-d8	10.103	98	3030762	147.281	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 294.560%#			
62) 4-Bromofluorobenzene	12.401	95	996296	153.805	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 307.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	554056	128.556	ug/l	99
3) Chloromethane	2.068	50	1009184	137.710	ug/l	99
4) Vinyl Chloride	2.208	62	1262771	136.010	ug/l	99
5) Bromomethane	2.586	94	965846	144.140	ug/l	99
6) Chloroethane	2.732	64	863223	139.213	ug/l	96
7) Trichlorofluoromethane	3.056	101	1472609	136.637	ug/l	98
8) Diethyl Ether	3.458	74	405153	143.632	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	757731	133.835	ug/l	99
10) Methyl Iodide	4.000	142	917876	156.057	ug/l	99
11) Tert butyl alcohol	4.866	59	250970	803.224	ug/l	99
12) 1,1-Dichloroethene	3.787	96	755004	139.985	ug/l	98
13) Acrolein	3.653	56	64898	460.788	ug/l	95
14) Allyl chloride	4.385	41	1226641	149.283	ug/l	99
15) Acrylonitrile	5.055	53	849674	795.253	ug/l	99
16) Acetone	3.872	43	612358	657.446	ug/l	100
17) Carbon Disulfide	4.104	76	2245565	137.375	ug/l	99
18) Methyl Acetate	4.385	43	554000	175.686	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	2069795	159.995	ug/l	100
20) Methylene Chloride	4.616	84	875539	150.366	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	874496	145.658	ug/l	99
22) Diisopropyl ether	6.018	45	2698023	154.774	ug/l	99
23) Vinyl Acetate	5.957	43	7048997	802.533	ug/l	100
24) 1,1-Dichloroethane	5.915	63	1599724	146.106	ug/l	99
25) 2-Butanone	6.896	43	1064091	796.353	ug/l	100
26) 2,2-Dichloropropane	6.884	77	1381568	143.975	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	1045626	151.118	ug/l	100
28) Bromochloromethane	7.244	49	628281	147.946	ug/l	99
29) Tetrahydrofuran	7.262	42	706173	834.735	ug/l	98
30) Chloroform	7.421	83	1598800	144.750	ug/l	99
31) Cyclohexane	7.701	56	1397744	136.623	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	1442504	143.937	ug/l	99
36) 1,1-Dichloropropene	7.835	75	1177815	144.097	ug/l	99
37) Ethyl Acetate	6.982	43	463547	152.699	ug/l	99
38) Carbon Tetrachloride	7.817	117	1277517	143.863	ug/l	99
39) Methylcyclohexane	9.109	83	1558807	147.341	ug/l	99
40) Benzene	8.079	78	3629855	147.493	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022995.D
Acq On : 18 Jul 2025 12:49
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:34:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	262546	163.855	ug/l		98
42) 1,2-Dichloroethane	8.158	62	921582	150.515	ug/l		99
43) Isopropyl Acetate	8.195	43	995083	165.022	ug/l	#	87
44) Trichloroethene	8.865	130	899565	142.310	ug/l		99
45) 1,2-Dichloropropane	9.140	63	849889	147.880	ug/l		99
46) Dibromomethane	9.231	93	457164	153.894	ug/l		99
47) Bromodichloromethane	9.420	83	1229904	149.779	ug/l		100
48) Methyl methacrylate	9.219	41	497091	170.750	ug/l		99
49) 1,4-Dioxane	9.225	88	105601	3372.404	ug/l		93
51) 4-Methyl-2-Pentanone	9.993	43	2619935	856.011	ug/l		98
52) Toluene	10.170	92	2355369	153.936	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	1145266	162.478	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	1347461	158.600	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	609925	156.212	ug/l		98
56) Ethyl methacrylate	10.438	69	862573	176.974	ug/l		98
57) 1,3-Dichloropropane	10.713	76	1054881	156.398	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	2122696	889.686	ug/l		100
59) 2-Hexanone	10.755	43	1763492	876.571	ug/l		97
60) Dibromochloromethane	10.908	129	812760	158.968	ug/l		100
61) 1,2-Dibromoethane	11.011	107	563050	158.800	ug/l		99
64) Tetrachloroethene	10.646	164	900940	123.614	ug/l		98
65) Chlorobenzene	11.438	112	2486956	147.805	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	869061	151.433	ug/l		100
67) Ethyl Benzene	11.517	91	4532458	151.974	ug/l		97
68) m/p-Xylenes	11.627	106	3508814	306.732	ug/l		97
69) o-Xylene	11.950	106	1670304	157.335	ug/l		98
70) Styrene	11.969	104	2815907	161.930	ug/l		99
71) Bromoform	12.127	173	482482	165.606	ug/l	#	99
73) Isopropylbenzene	12.249	105	4313254	148.835	ug/l		99
74) N-amyl acetate	12.066	43	927122	169.687	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	687614	163.959	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	648799m	150.814	ug/l		
77) Bromobenzene	12.529	156	955644	152.042	ug/l		99
78) n-propylbenzene	12.590	91	5048339	146.282	ug/l		98
79) 2-Chlorotoluene	12.676	91	2867994	147.762	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	3422881	149.755	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.298	75	231166	161.650	ug/l		96
82) 4-Chlorotoluene	12.773	91	2923682	149.351	ug/l		100
83) tert-Butylbenzene	12.993	119	3090226	149.676	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	3425217	152.237	ug/l		99
85) sec-Butylbenzene	13.170	105	4523782	146.212	ug/l		99
86) p-Isopropyltoluene	13.285	119	3849059	153.178	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	1918495	151.247	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	1805316	147.117	ug/l		100
89) n-Butylbenzene	13.615	91	3463857	149.387	ug/l		99
90) Hexachloroethane	13.877	117	755795	145.277	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	1610657	150.536	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	100462	161.332	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	886472	157.179	ug/l		100
94) Hexachlorobutadiene	15.017	225	482621	135.733	ug/l		99
95) Naphthalene	15.139	128	1635113	180.758	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	738766	158.643	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022995.D
Acq On : 18 Jul 2025 12:49
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:34:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 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

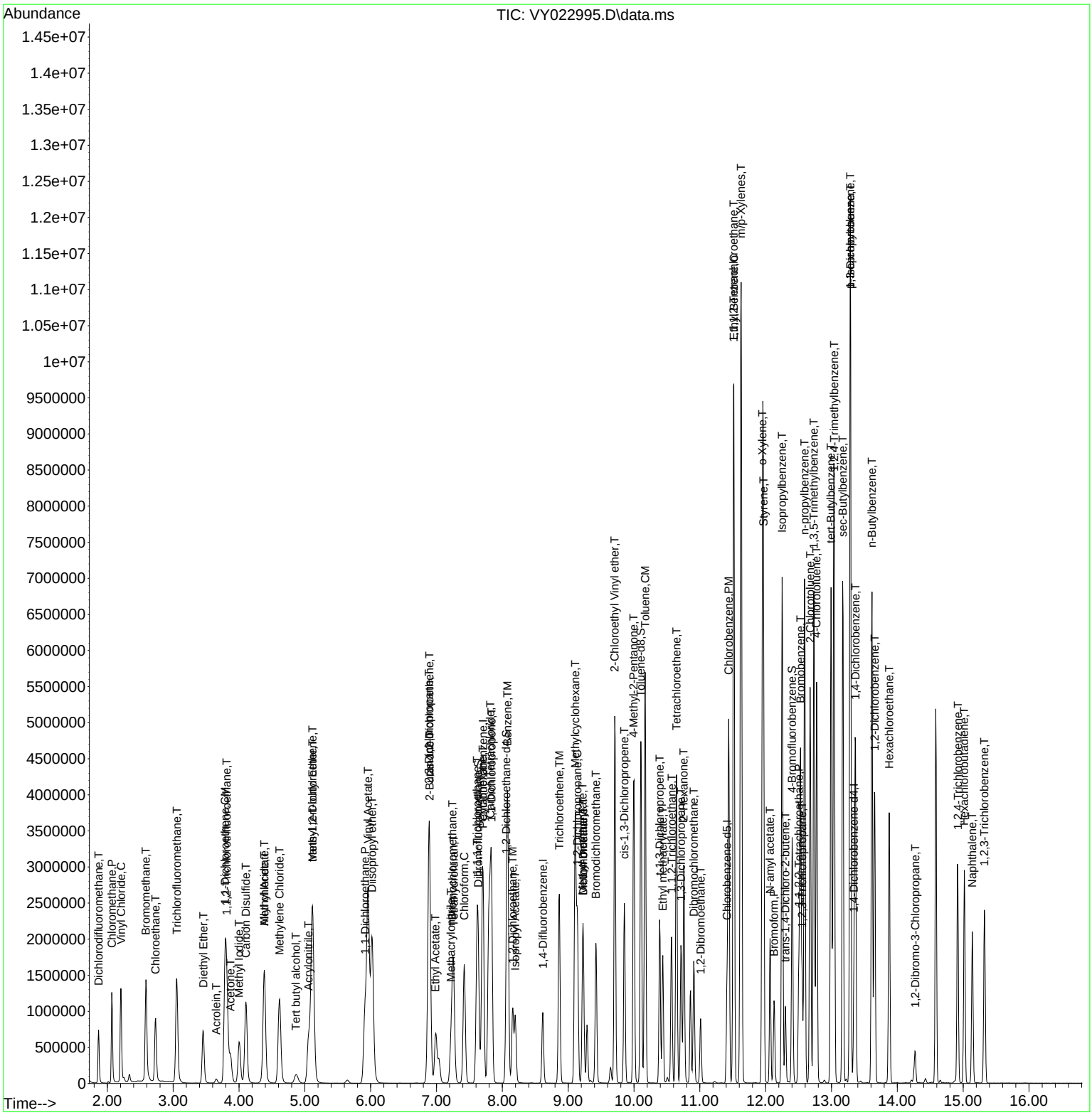
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022995.D
Acq On : 18 Jul 2025 12:49
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 19 01:34:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:28:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022997.D
Acq On : 18 Jul 2025 14:02
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY071825

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	453518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	746741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	626160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	299370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	226218	49.273	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.540%			
35) Dibromofluoromethane	7.634	113	223521	47.188	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.380%			
50) Toluene-d8	10.103	98	896545	47.728	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.460%			
62) 4-Bromofluorobenzene	12.401	95	281129	47.544	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	175922	45.684	ug/l	97
3) Chloromethane	2.068	50	324675	49.585	ug/l	99
4) Vinyl Chloride	2.202	62	415835	50.127	ug/l	99
5) Bromomethane	2.592	94	295948	49.431	ug/l	97
6) Chloroethane	2.732	64	278774	50.317	ug/l	97
7) Trichlorofluoromethane	3.056	101	465046	48.293	ug/l	99
8) Diethyl Ether	3.452	74	118735	47.110	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	245333	48.497	ug/l	99
10) Methyl Iodide	4.000	142	241459	45.946	ug/l	99
11) Tert butyl alcohol	4.848	59	73748	265.607	ug/l	98
12) 1,1-Dichloroethene	3.787	96	234490	48.659	ug/l	98
13) Acrolein	3.647	56	17160	131.522	ug/l	96
14) Allyl chloride	4.385	41	363225	49.474	ug/l	99
15) Acrylonitrile	5.049	53	244867	256.502	ug/l	99
16) Acetone	3.866	43	181785	218.434	ug/l	99
17) Carbon Disulfide	4.104	76	701041	47.999	ug/l	100
18) Methyl Acetate	4.378	43	144987	51.459	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	583103	50.446	ug/l	99
20) Methylene Chloride	4.616	84	289542	49.355	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	263910	49.197	ug/l	95
22) Diisopropyl ether	6.018	45	794156	50.987	ug/l	100
23) Vinyl Acetate	5.957	43	2045811	260.680	ug/l	100
24) 1,1-Dichloroethane	5.915	63	486435	49.723	ug/l	99
25) 2-Butanone	6.890	43	296567	248.403	ug/l	99
26) 2,2-Dichloropropane	6.884	77	411291	47.970	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	307144	49.681	ug/l	99
28) Bromochloromethane	7.244	49	190788	50.281	ug/l	97
29) Tetrahydrofuran	7.256	42	198327	262.377	ug/l	98
30) Chloroform	7.421	83	485939	49.239	ug/l	99
31) Cyclohexane	7.701	56	436690	47.772	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	433361	48.396	ug/l	98
36) 1,1-Dichloropropene	7.835	75	359563	48.190	ug/l	99
37) Ethyl Acetate	6.976	43	136167	49.138	ug/l	99
38) Carbon Tetrachloride	7.817	117	385805	47.594	ug/l	98
39) Methylcyclohexane	9.109	83	480021	49.705	ug/l	99
40) Benzene	8.079	78	1095313	48.756	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022997.D
Acq On : 18 Jul 2025 14:02
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY071825

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	77017m	51.019	ug/l		
42) 1,2-Dichloroethane	8.158	62	273227	48.885	ug/l		99
43) Isopropyl Acetate	8.195	43	282687	51.356	ug/l	#	87
44) Trichloroethene	8.865	130	271109	46.984	ug/l		99
45) 1,2-Dichloropropane	9.140	63	254972	48.601	ug/l		97
46) Dibromomethane	9.225	93	130449	48.105	ug/l		98
47) Bromodichloromethane	9.420	83	365153	48.715	ug/l		98
48) Methyl methacrylate	9.219	41	137807	51.856	ug/l		99
49) 1,4-Dioxane	9.219	88	29701	1039.077	ug/l		90
51) 4-Methyl-2-Pentanone	9.993	43	736605	263.650	ug/l		100
52) Toluene	10.170	92	689665	49.377	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	320495	49.810	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	379652	48.953	ug/l		97
55) 1,1,2-Trichloroethane	10.566	97	174146	48.860	ug/l		98
56) Ethyl methacrylate	10.438	69	233062	52.383	ug/l		99
57) 1,3-Dichloropropane	10.713	76	305501	49.619	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	555885	255.234	ug/l		99
59) 2-Hexanone	10.755	43	480633	261.717	ug/l		100
60) Dibromochloromethane	10.908	129	228677	48.997	ug/l		100
61) 1,2-Dibromoethane	11.011	107	160833	49.692	ug/l		99
64) Tetrachloroethene	10.646	164	293758	45.898	ug/l		97
65) Chlorobenzene	11.438	112	717316	48.547	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	243320	48.281	ug/l		100
67) Ethyl Benzene	11.517	91	1318781	50.355	ug/l		100
68) m/p-Xylenes	11.627	106	1010405	100.584	ug/l		100
69) o-Xylene	11.950	106	473728	50.815	ug/l		99
70) Styrene	11.969	104	777326	50.903	ug/l		100
71) Bromoform	12.127	173	127473	49.825	ug/l	#	98
73) Isopropylbenzene	12.249	105	1251340	49.302	ug/l		100
74) N-amyl acetate	12.066	43	250015	52.247	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	183595	49.985	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	180298m	48.332	ug/l		
77) Bromobenzene	12.529	156	264397	48.030	ug/l		99
78) n-propylbenzene	12.590	91	1513140	50.062	ug/l		100
79) 2-Chlorotoluene	12.676	91	839059	49.359	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	1003448	50.127	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	58179	46.452	ug/l		99
82) 4-Chlorotoluene	12.773	91	844578	49.261	ug/l		100
83) tert-Butylbenzene	12.993	119	916326	50.676	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	992142	50.349	ug/l		100
85) sec-Butylbenzene	13.170	105	1377425	50.832	ug/l		100
86) p-Isopropyltoluene	13.285	119	1135708	51.605	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	544171	48.983	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	520095	48.393	ug/l		100
89) n-Butylbenzene	13.615	91	1047169	51.565	ug/l		100
90) Hexachloroethane	13.877	117	225252	49.436	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	452157	48.252	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	27119	49.725	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	241340	48.859	ug/l		99
94) Hexachlorobutadiene	15.017	225	147040	47.217	ug/l		100
95) Naphthalene	15.139	128	404535	51.062	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	199538	48.924	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022997.D
Acq On : 18 Jul 2025 14:02
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY071825

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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

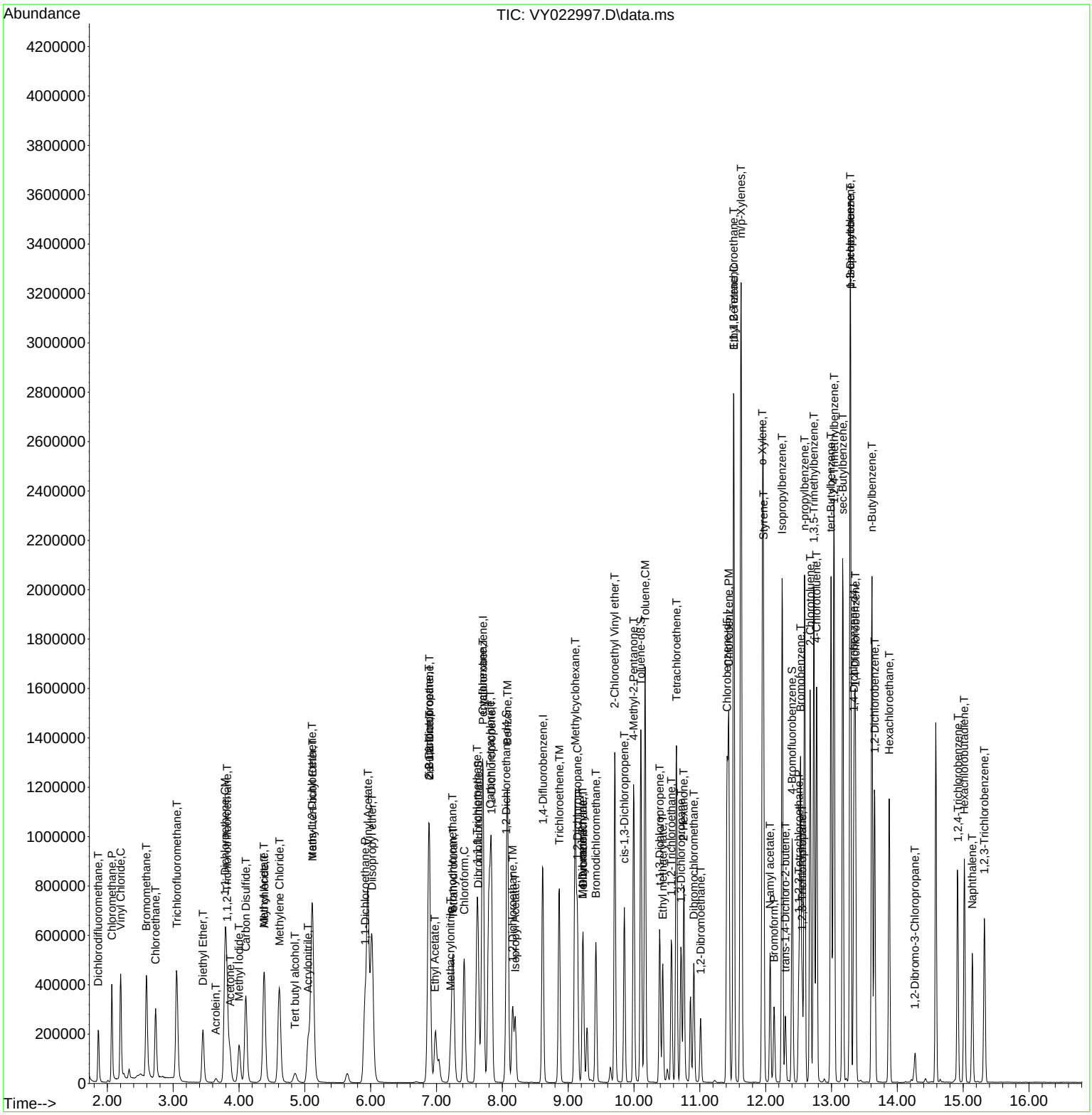
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022997.D
Acq On : 18 Jul 2025 14:02
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 19 01:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY071825

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022997.D
Acq On : 18 Jul 2025 14:02
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY071825

Quant Time: Jul 19 01:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	90	0.00
2	T	Dichlorodifluoromethane	0.425	0.388	8.7	95	0.00
3	P	Chloromethane	0.722	0.716	0.8	105	0.00
4	C	Vinyl Chloride	0.915	0.917	-0.2#	100	0.00
5	T	Bromomethane	0.660	0.653	1.1	106	0.00
6	T	Chloroethane	0.611	0.615	-0.7	100	0.00
7	T	Trichlorofluoromethane	1.062	1.025	3.5	95	0.00
8	T	Diethyl Ether	0.278	0.262	5.8	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.558	0.541	3.0	97	0.00
10	T	Methyl Iodide	0.579	0.532	8.1	85	0.00
11	T	Tert butyl alcohol	0.031	0.033	-6.5	100	0.00
12	CM	1,1-Dichloroethene	0.531	0.517	2.6#	98	0.00
13	T	Acrolein	0.014	0.008	42.9#	93	0.00
14	T	Allyl chloride	0.809	0.801	1.0	98	0.00
15	T	Acrylonitrile	0.105	0.108	-2.9	99	0.00
16	T	Acetone	0.092	0.080	13.0	94	0.00
17	T	Carbon Disulfide	1.610	1.546	4.0	97	0.00
18	T	Methyl Acetate	0.311	0.320	-2.9	89	0.00
19	T	Methyl tert-butyl Ether	1.274	1.286	-0.9	98	0.00
20	T	Methylene Chloride	0.871	0.638	26.8#	95	0.00
21	T	trans-1,2-Dichloroethene	0.591	0.582	1.5	99	0.00
22	T	Diisopropyl ether	1.717	1.751	-2.0	99	0.00
23	T	Vinyl Acetate	0.865	0.902	-4.3	101	0.00
24	P	1,1-Dichloroethane	1.079	1.073	0.6	98	0.00
25	T	2-Butanone	0.132	0.131	0.8	96	0.00
26	T	2,2-Dichloropropane	0.945	0.907	4.0	96	0.00
27	T	cis-1,2-Dichloroethene	0.682	0.677	0.7	97	0.00
28	T	Bromochloromethane	0.418	0.421	-0.7	95	0.00
29	T	Tetrahydrofuran	0.083	0.087	-4.8	97	0.00
30	C	Chloroform	1.088	1.071	1.6#	98	0.00
31	T	Cyclohexane	1.008	0.963	4.5	99	0.00
32	T	1,1,1-Trichloroethane	0.987	0.956	3.1	96	0.00
33	S	1,2-Dichloroethane-d4	0.506	0.499	1.4	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35	S	Dibromofluoromethane	0.317	0.299	5.7	94	0.00
36	T	1,1-Dichloropropene	0.500	0.482	3.6	97	0.00
37	T	Ethyl Acetate	0.186	0.182	2.2	98	0.00
38	T	Carbon Tetrachloride	0.543	0.517	4.8	96	0.00
39	T	Methylcyclohexane	0.647	0.643	0.6	100	0.00
40	TM	Benzene	1.504	1.467	2.5	98	0.00
41	T	Methacrylonitrile	0.101	0.103	-2.0	98	0.00
42	TM	1,2-Dichloroethane	0.374	0.366	2.1	97	0.00
43	T	Isopropyl Acetate	0.369	0.379	-2.7	98	0.00
44	TM	Trichloroethene	0.386	0.363	6.0	94	0.00
45	C	1,2-Dichloropropane	0.351	0.341	2.8#	99	0.00
46	T	Dibromomethane	0.182	0.175	3.8	95	0.00
47	T	Bromodichloromethane	0.502	0.489	2.6	98	0.00
48	T	Methyl methacrylate	0.178	0.185	-3.9	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022997.D
Acq On : 18 Jul 2025 14:02
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY071825

Quant Time: Jul 19 01:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	99	0.00
50	S	Toluene-d8	1.258	1.201	4.5	94	0.00
51	T	4-Methyl-2-Pentanone	0.187	0.197	-5.3	98	0.00
52	CM	Toluene	0.935	0.924	1.2#	98	0.00
53	T	t-1,3-Dichloropropene	0.431	0.429	0.5	98	0.00
54	T	cis-1,3-Dichloropropene	0.519	0.508	2.1	98	0.00
55	T	1,1,2-Trichloroethane	0.239	0.233	2.5	97	0.00
56	T	Ethyl methacrylate	0.298	0.312	-4.7	98	0.00
57	T	1,3-Dichloropropane	0.412	0.409	0.7	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.146	0.149	-2.1	90	0.00
59	T	2-Hexanone	0.123	0.129	-4.9	96	0.00
60	T	Dibromochloromethane	0.312	0.306	1.9	96	0.00
61	T	1,2-Dibromoethane	0.217	0.215	0.9	97	0.00
62	S	4-Bromofluorobenzene	0.396	0.376	5.1	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.511	0.469	8.2	86	0.00
65	PM	Chlorobenzene	1.180	1.146	2.9	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.389	3.2	97	0.00
67	C	Ethyl Benzene	2.091	2.106	-0.7#	99	0.00
68	T	m/p-Xylenes	0.802	0.807	-0.6	99	0.00
69	T	o-Xylene	0.744	0.757	-1.7	100	0.00
70	T	Styrene	1.219	1.241	-1.8	99	0.00
71	P	Bromoform	0.204	0.204	0.0	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	4.239	4.180	1.4	99	0.00
74	T	N-amyl acetate	0.799	0.835	-4.5	101	0.00
75	P	1,1,2,2-Tetrachloroethane	0.613	0.613	0.0	105	0.00
76	T	1,2,3-Trichloropropane	0.623	0.602	3.4	97	0.00
77	T	Bromobenzene	0.919	0.883	3.9	98	0.00
78	T	n-propylbenzene	5.048	5.054	-0.1	100	0.00
79	T	2-Chlorotoluene	2.839	2.803	1.3	101	0.00
80	T	1,3,5-Trimethylbenzene	3.343	3.352	-0.3	100	0.00
81	T	trans-1,4-Dichloro-2-butene	0.209	0.194	7.2	93	0.00
82	T	4-Chlorotoluene	2.864	2.821	1.5	99	0.00
83	T	tert-Butylbenzene	3.020	3.061	-1.4	101	0.00
84	T	1,2,4-Trimethylbenzene	3.291	3.314	-0.7	101	0.00
85	T	sec-Butylbenzene	4.526	4.601	-1.7	102	0.00
86	T	p-Isopropyltoluene	3.676	3.794	-3.2	102	0.00
87	T	1,3-Dichlorobenzene	1.855	1.818	2.0	100	0.00
88	T	1,4-Dichlorobenzene	1.795	1.737	3.2	99	0.00
89	T	n-Butylbenzene	3.392	3.498	-3.1	103	0.00
90	T	Hexachloroethane	0.761	0.752	1.2	102	0.00
91	T	1,2-Dichlorobenzene	1.565	1.510	3.5	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.091	0.091	0.0	97	0.00
93	T	1,2,4-Trichlorobenzene	0.825	0.806	2.3	98	0.00
94	T	Hexachlorobutadiene	0.520	0.491	5.6	100	0.00
95	T	Naphthalene	1.323	1.351	-2.1	94	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022997.D
Acq On : 18 Jul 2025 14:02
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY071825

Quant Time: Jul 19 01:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	0.681	0.667	2.1	96	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_Y\Data\VY071825\
Data File : VY022997.D
Acq On : 18 Jul 2025 14:02
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY071825

Quant Time: Jul 19 01:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	90	0.00
2	T	Dichlorodifluoromethane	50.000	45.684	8.6	95	0.00
3	P	Chloromethane	50.000	49.585	0.8	105	0.00
4	C	Vinyl Chloride	50.000	50.127	-0.3#	100	0.00
5	T	Bromomethane	50.000	49.431	1.1	106	0.00
6	T	Chloroethane	50.000	50.317	-0.6	100	0.00
7	T	Trichlorofluoromethane	50.000	48.293	3.4	95	0.00
8	T	Diethyl Ether	50.000	47.110	5.8	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.497	3.0	97	0.00
10	T	Methyl Iodide	50.000	45.946	8.1	85	0.00
11	T	Tert butyl alcohol	250.000	265.607	-6.2	100	0.00
12	CM	1,1-Dichloroethene	50.000	48.659	2.7#	98	0.00
13	T	Acrolein	250.000	131.522	47.4#	93	0.00
14	T	Allyl chloride	50.000	49.474	1.1	98	0.00
15	T	Acrylonitrile	250.000	256.502	-2.6	99	0.00
16	T	Acetone	250.000	218.434	12.6	94	0.00
17	T	Carbon Disulfide	50.000	47.999	4.0	97	0.00
18	T	Methyl Acetate	50.000	51.459	-2.9	89	0.00
19	T	Methyl tert-butyl Ether	50.000	50.446	-0.9	98	0.00
20	T	Methylene Chloride	50.000	49.355	1.3	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.197	1.6	99	0.00
22	T	Diisopropyl ether	50.000	50.987	-2.0	99	0.00
23	T	Vinyl Acetate	250.000	260.680	-4.3	101	0.00
24	P	1,1-Dichloroethane	50.000	49.723	0.6	98	0.00
25	T	2-Butanone	250.000	248.403	0.6	96	0.00
26	T	2,2-Dichloropropane	50.000	47.970	4.1	96	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.681	0.6	97	0.00
28	T	Bromochloromethane	50.000	50.281	-0.6	95	0.00
29	T	Tetrahydrofuran	250.000	262.377	-5.0	97	0.00
30	C	Chloroform	50.000	49.239	1.5#	98	0.00
31	T	Cyclohexane	50.000	47.772	4.5	99	0.00
32	T	1,1,1-Trichloroethane	50.000	48.396	3.2	96	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.273	1.5	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35	S	Dibromofluoromethane	50.000	47.188	5.6	94	0.00
36	T	1,1-Dichloropropene	50.000	48.190	3.6	97	0.00
37	T	Ethyl Acetate	50.000	49.138	1.7	98	0.00
38	T	Carbon Tetrachloride	50.000	47.594	4.8	96	0.00
39	T	Methylcyclohexane	50.000	49.705	0.6	100	0.00
40	TM	Benzene	50.000	48.756	2.5	98	0.00
41	T	Methacrylonitrile	50.000	51.019	-2.0	98	0.00
42	TM	1,2-Dichloroethane	50.000	48.885	2.2	97	0.00
43	T	Isopropyl Acetate	50.000	51.356	-2.7	98	0.00
44	TM	Trichloroethene	50.000	46.984	6.0	94	0.00
45	C	1,2-Dichloropropane	50.000	48.601	2.8#	99	0.00
46	T	Dibromomethane	50.000	48.105	3.8	95	0.00
47	T	Bromodichloromethane	50.000	48.715	2.6	98	0.00
48	T	Methyl methacrylate	50.000	51.856	-3.7	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022997.D
Acq On : 18 Jul 2025 14:02
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY071825

Quant Time: Jul 19 01:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	1039.077	-3.9	99	0.00
50	S	Toluene-d8	50.000	47.728	4.5	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	263.650	-5.5	98	0.00
52	CM	Toluene	50.000	49.377	1.2#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	49.810	0.4	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.953	2.1	98	0.00
55	T	1,1,2-Trichloroethane	50.000	48.860	2.3	97	0.00
56	T	Ethyl methacrylate	50.000	52.383	-4.8	98	0.00
57	T	1,3-Dichloropropane	50.000	49.619	0.8	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	255.234	-2.1	90	0.00
59	T	2-Hexanone	250.000	261.717	-4.7	96	0.00
60	T	Dibromochloromethane	50.000	48.997	2.0	96	0.00
61	T	1,2-Dibromoethane	50.000	49.692	0.6	97	0.00
62	S	4-Bromofluorobenzene	50.000	47.544	4.9	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	45.898	8.2	86	0.00
65	PM	Chlorobenzene	50.000	48.547	2.9	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.281	3.4	97	0.00
67	C	Ethyl Benzene	50.000	50.355	-0.7#	99	0.00
68	T	m/p-Xylenes	100.000	100.584	-0.6	99	0.00
69	T	o-Xylene	50.000	50.815	-1.6	100	0.00
70	T	Styrene	50.000	50.903	-1.8	99	0.00
71	P	Bromoform	50.000	49.825	0.3	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	49.302	1.4	99	0.00
74	T	N-amyl acetate	50.000	52.247	-4.5	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.985	0.0	105	0.00
76	T	1,2,3-Trichloropropane	50.000	48.332	3.3	97	0.00
77	T	Bromobenzene	50.000	48.030	3.9	98	0.00
78	T	n-propylbenzene	50.000	50.062	-0.1	100	0.00
79	T	2-Chlorotoluene	50.000	49.359	1.3	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.127	-0.3	100	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.452	7.1	93	0.00
82	T	4-Chlorotoluene	50.000	49.261	1.5	99	0.00
83	T	tert-Butylbenzene	50.000	50.676	-1.4	101	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.349	-0.7	101	0.00
85	T	sec-Butylbenzene	50.000	50.832	-1.7	102	0.00
86	T	p-Isopropyltoluene	50.000	51.605	-3.2	102	0.00
87	T	1,3-Dichlorobenzene	50.000	48.983	2.0	100	0.00
88	T	1,4-Dichlorobenzene	50.000	48.393	3.2	99	0.00
89	T	n-Butylbenzene	50.000	51.565	-3.1	103	0.00
90	T	Hexachloroethane	50.000	49.436	1.1	102	0.00
91	T	1,2-Dichlorobenzene	50.000	48.252	3.5	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.725	0.5	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.859	2.3	98	0.00
94	T	Hexachlorobutadiene	50.000	47.217	5.6	100	0.00
95	T	Naphthalene	50.000	51.062	-2.1	94	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022997.D
Acq On : 18 Jul 2025 14:02
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY071825

Quant Time: Jul 19 01:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	48.924	2.2	96	0.00

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

Raw Data: **VY023015.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: EARTH03
Lab Code: ACE
SDG No.: Q2651
Instrument ID: MSVOA_Y
Calibration Date/Time: 07/21/2025 10:08
Lab File ID: VY023015.D
Init. Calib. Date(s): 07/18/2025 07/18/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 10:08 12:49
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.425	0.351		-17.41	20
Chloromethane	0.722	0.755	0.1	4.57	20
Vinyl Chloride	0.915	0.869		-5.03	20
Bromomethane	0.660	0.651		-1.36	20
Chloroethane	0.611	0.596		-2.45	20
Trichlorofluoromethane	1.062	1.013		-4.61	20
1,1,2-Trichlorotrifluoroethane	0.558	0.492		-11.83	20
1,1-Dichloroethene	0.531	0.469		-11.68	20
Acetone	0.092	0.106		15.22	20
Carbon Disulfide	1.610	1.413		-12.24	20
Methyl tert-butyl Ether	1.274	1.265		-0.71	20
Methyl Acetate	0.311	0.353		13.51	20
Methylene Chloride	0.871	0.586		-32.72	20
trans-1,2-Dichloroethene	0.591	0.535		-9.48	20
1,1-Dichloroethane	1.079	0.992	0.1	-8.06	20
Cyclohexane	1.008	0.874		-13.29	20
2-Butanone	0.132	0.151		14.39	20
Carbon Tetrachloride	0.543	0.493		-9.21	20
cis-1,2-Dichloroethene	0.682	0.624		-8.5	20
Bromochloromethane	0.418	0.413		-1.2	20
Chloroform	1.088	0.998		-8.27	20
1,1,1-Trichloroethane	0.987	0.890		-9.83	20
Methylcyclohexane	0.647	0.588		-9.12	20
Benzene	1.504	1.399		-6.98	20
1,2-Dichloroethane	0.374	0.375		0.27	20
Trichloroethene	0.386	0.359		-6.99	20
1,2-Dichloropropane	0.351	0.331		-5.7	20
Bromodichloromethane	0.502	0.480		-4.38	20
4-Methyl-2-Pentanone	0.187	0.216		15.51	20
Toluene	0.935	0.884		-5.45	20
t-1,3-Dichloropropene	0.431	0.440		2.09	20
cis-1,3-Dichloropropene	0.519	0.504		-2.89	20
1,1,2-Trichloroethane	0.239	0.238		-0.42	20
2-Hexanone	0.123	0.147		19.51	20
Dibromochloromethane	0.312	0.312		0	20
1,2-Dibromoethane	0.217	0.223		2.77	20
Tetrachloroethene	0.511	0.480		-6.07	20
Chlorobenzene	1.180	1.093	0.3	-7.37	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: **VY023015.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: EARTH03
Lab Code: ACE
SDG No.: Q2651
Instrument ID: MSVOA_Y
Calibration Date/Time: 07/21/2025 10:08
Lab File ID: VY023015.D
Init. Calib. Date(s): 07/18/2025 07/18/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 10:08 12:49
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.091	1.947		-6.89	20
m/p-Xylenes	0.802	0.748		-6.73	20
o-Xylene	0.744	0.704		-5.38	20
Styrene	1.219	1.166		-4.35	20
Bromoform	0.204	0.207	0.1	1.47	20
Isopropylbenzene	4.239	3.753		-11.47	20
1,1,2,2-Tetrachloroethane	0.613	0.586	0.3	-4.41	20
1,3-Dichlorobenzene	1.855	1.689		-8.95	20
1,4-Dichlorobenzene	1.795	1.630		-9.19	20
1,2-Dichlorobenzene	1.565	1.458		-6.84	20
1,2-Dibromo-3-Chloropropane	0.091	0.100		9.89	20
1,2,4-Trichlorobenzene	0.825	0.820		-0.61	20
1,2,3-Trichlorobenzene	0.681	0.699		2.64	20
1,2-Dichloroethane-d4	0.506	0.497		-1.78	20
Dibromofluoromethane	0.317	0.294		-7.26	20
Toluene-d8	1.258	1.168		-7.15	20
4-Bromofluorobenzene	0.396	0.374		-5.56	20

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

Sample Results: **VY023015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023015.D
Acq On : 21 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 22 04:45:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	466550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	745278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	646276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	315391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	231681	49.053	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.100%			
35) Dibromofluoromethane	7.634	113	218952	46.314	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.620%			
50) Toluene-d8	10.103	98	870592	46.437	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.880%			
62) 4-Bromofluorobenzene	12.401	95	278747	47.233	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	163705	41.324	ug/l	99
3) Chloromethane	2.068	50	352290	52.299	ug/l	100
4) Vinyl Chloride	2.202	62	405558	47.523	ug/l	100
5) Bromomethane	2.592	94	303773	49.321	ug/l	99
6) Chloroethane	2.732	64	278231	48.816	ug/l	98
7) Trichlorofluoromethane	3.049	101	472524	47.699	ug/l	100
8) Diethyl Ether	3.452	74	118699	45.781	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	229719	44.142	ug/l	99
10) Methyl Iodide	4.000	142	228734	42.309	ug/l	98
11) Tert butyl alcohol	4.891	59	78484	274.768	ug/l	99
12) 1,1-Dichloroethene	3.787	96	218813	44.137	ug/l	99
13) Acrolein	3.653	56	16336	121.709	ug/l	98
14) Allyl chloride	4.385	41	349805	46.315	ug/l	99
15) Acrylonitrile	5.055	53	264216	269.039	ug/l	99
16) Acetone	3.879	43	246194	287.564	ug/l	100
17) Carbon Disulfide	4.104	76	659160	43.871	ug/l	99
18) Methyl Acetate	4.385	43	164914	56.897	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	590328	49.645	ug/l	98
20) Methylene Chloride	4.610	84	273604	44.522	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	249633	45.236	ug/l	99
22) Diisopropyl ether	6.018	45	773708	48.287	ug/l	99
23) Vinyl Acetate	5.957	43	2112837	261.701	ug/l	99
24) 1,1-Dichloroethane	5.915	63	462627	45.968	ug/l	99
25) 2-Butanone	6.896	43	351847	286.473	ug/l	100
26) 2,2-Dichloropropane	6.884	77	410339	46.522	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	290970	45.750	ug/l	98
28) Bromochloromethane	7.244	49	192517	49.320	ug/l	98
29) Tetrahydrofuran	7.268	42	214487	275.830	ug/l	99
30) Chloroform	7.421	83	465833	45.883	ug/l	100
31) Cyclohexane	7.701	56	407632	43.348	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	415153	45.068	ug/l	99
36) 1,1-Dichloropropene	7.835	75	342303	45.967	ug/l	100
37) Ethyl Acetate	6.982	43	145321	52.544	ug/l	99
38) Carbon Tetrachloride	7.817	117	367135	45.380	ug/l	98
39) Methylcyclohexane	9.109	83	438429	45.487	ug/l	98
40) Benzene	8.079	78	1042640	46.502	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023015.D
Acq On : 21 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 22 04:45:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	88958	59.045	ug/l		92
42) 1,2-Dichloroethane	8.158	62	279220	50.055	ug/l		100
43) Isopropyl Acetate	8.195	43	300111	54.629	ug/l	#	87
44) Trichloroethene	8.865	130	267268	46.410	ug/l		100
45) 1,2-Dichloropropane	9.140	63	246776	47.131	ug/l		100
46) Dibromomethane	9.231	93	134753	49.790	ug/l		99
47) Bromodichloromethane	9.420	83	358051	47.861	ug/l		100
48) Methyl methacrylate	9.219	41	147249	55.518	ug/l		100
49) 1,4-Dioxane	9.237	88	32221	1129.451	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	804002	288.338	ug/l		100
52) Toluene	10.170	92	659183	47.287	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	328119	51.095	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	375614	48.527	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	177418	49.876	ug/l		99
56) Ethyl methacrylate	10.438	69	241078	54.291	ug/l		99
57) 1,3-Dichloropropane	10.719	76	310300	50.497	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	598615	275.393	ug/l		99
59) 2-Hexanone	10.761	43	547928	298.947	ug/l		99
60) Dibromochloromethane	10.908	129	232680	49.953	ug/l		99
61) 1,2-Dibromoethane	11.011	107	166085	51.415	ug/l		100
64) Tetrachloroethene	10.646	164	310183	46.956	ug/l		97
65) Chlorobenzene	11.438	112	706161	46.305	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	235455	45.267	ug/l		100
67) Ethyl Benzene	11.517	91	1258041	46.541	ug/l		99
68) m/p-Xylenes	11.627	106	966289	93.198	ug/l		100
69) o-Xylene	11.956	106	454809	47.267	ug/l		98
70) Styrene	11.969	104	753693	47.820	ug/l		100
71) Bromoform	12.133	173	134080	50.776	ug/l		98
73) Isopropylbenzene	12.255	105	1183789	44.271	ug/l		100
74) N-amyl acetate	12.072	43	269180	53.395	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	184767	47.749	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	177017m	45.042	ug/l		
77) Bromobenzene	12.529	156	262574	45.276	ug/l		98
78) n-propylbenzene	12.597	91	1455137	45.698	ug/l		100
79) 2-Chlorotoluene	12.676	91	803482	44.865	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	961475	45.590	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	65951	49.983	ug/l		99
82) 4-Chlorotoluene	12.773	91	837576	46.371	ug/l		100
83) tert-Butylbenzene	12.993	119	863185	45.312	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	962658	46.371	ug/l		100
85) sec-Butylbenzene	13.176	105	1304191	45.684	ug/l		100
86) p-Isopropyltoluene	13.291	119	1073149	46.286	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	532686	45.514	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	513938	45.391	ug/l		100
89) n-Butylbenzene	13.615	91	1009588	47.189	ug/l		100
90) Hexachloroethane	13.877	117	213851	44.550	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	459820	46.577	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31393	54.638	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	258596	49.693	ug/l		99
94) Hexachlorobutadiene	15.023	225	149247	45.491	ug/l		100
95) Naphthalene	15.145	128	470535	56.375	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	220477	51.312	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023015.D
Acq On : 21 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 22 04:45:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

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

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

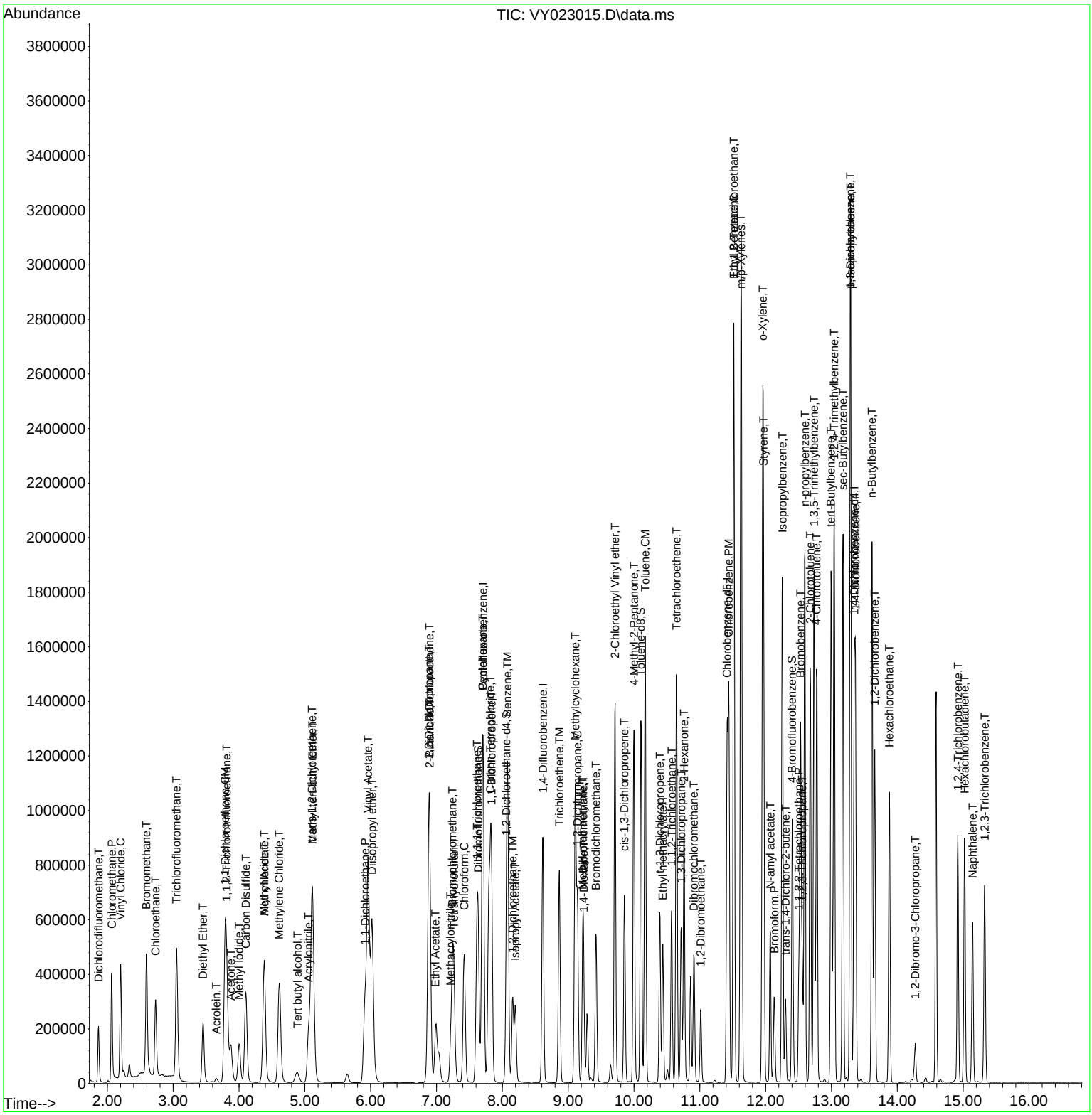
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023015.D
Acq On : 21 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 22 04:45:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025



Sample Results: **VY023015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023015.D
Acq On : 21 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 22 04:45:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	93	0.00
2	T	Dichlorodifluoromethane	0.425	0.351	17.4	89	0.00
3	P	Chloromethane	0.722	0.755	-4.6	114	0.00
4	C	Vinyl Chloride	0.915	0.869	5.0#	98	0.00
5	T	Bromomethane	0.660	0.651	1.4	109	0.00
6	T	Chloroethane	0.611	0.596	2.5	100	0.00
7	T	Trichlorofluoromethane	1.062	1.013	4.6	97	0.00
8	T	Diethyl Ether	0.278	0.254	8.6	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.558	0.492	11.8	91	0.00
10	T	Methyl Iodide	0.579	0.490	15.4	80	0.00
11	T	Tert butyl alcohol	0.031	0.034	-9.7	106	0.04
12	CM	1,1-Dichloroethene	0.531	0.469	11.7#	92	0.00
13	T	Acrolein	0.014	0.007	50.0#	89	0.00
14	T	Allyl chloride	0.809	0.750	7.3	94	0.00
15	T	Acrylonitrile	0.105	0.113	-7.6	107	0.00
16	T	Acetone	0.092	0.106	-15.2	127	0.01
17	T	Carbon Disulfide	1.610	1.413	12.2	91	0.00
18	T	Methyl Acetate	0.311	0.353	-13.5	102	0.00
19	T	Methyl tert-butyl Ether	1.274	1.265	0.7	99	0.00
20	T	Methylene Chloride	0.871	0.586	32.7#	90	0.00
21	T	trans-1,2-Dichloroethene	0.591	0.535	9.5	93	0.00
22	T	Diisopropyl ether	1.717	1.658	3.4	97	0.00
23	T	Vinyl Acetate	0.865	0.906	-4.7	104	0.00
24	P	1,1-Dichloroethane	1.079	0.992	8.1	93	0.00
25	T	2-Butanone	0.132	0.151	-14.4	114	0.00
26	T	2,2-Dichloropropane	0.945	0.880	6.9	95	0.00
27	T	cis-1,2-Dichloroethene	0.682	0.624	8.5	92	0.00
28	T	Bromochloromethane	0.418	0.413	1.2	96	0.00
29	T	Tetrahydrofuran	0.083	0.092	-10.8	105	0.00
30	C	Chloroform	1.088	0.998	8.3#	94	0.00
31	T	Cyclohexane	1.008	0.874	13.3	92	0.00
32	T	1,1,1-Trichloroethane	0.987	0.890	9.8	92	0.00
33	S	1,2-Dichloroethane-d4	0.506	0.497	1.8	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35	S	Dibromofluoromethane	0.317	0.294	7.3	92	0.00
36	T	1,1-Dichloropropene	0.500	0.459	8.2	92	0.00
37	T	Ethyl Acetate	0.186	0.195	-4.8	105	0.00
38	T	Carbon Tetrachloride	0.543	0.493	9.2	92	0.00
39	T	Methylcyclohexane	0.647	0.588	9.1	91	0.00
40	TM	Benzene	1.504	1.399	7.0	94	0.00
41	T	Methacrylonitrile	0.101	0.119	-17.8	113	0.00
42	TM	1,2-Dichloroethane	0.374	0.375	-0.3	99	0.00
43	T	Isopropyl Acetate	0.369	0.403	-9.2	104	0.00
44	TM	Trichloroethene	0.386	0.359	7.0	93	0.00
45	C	1,2-Dichloropropane	0.351	0.331	5.7#	96	0.00
46	T	Dibromomethane	0.182	0.181	0.5	98	0.00
47	T	Bromodichloromethane	0.502	0.480	4.4	96	0.00
48	T	Methyl methacrylate	0.178	0.198	-11.2	104	0.00

Sample Results: **VY023015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023015.D
Acq On : 21 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 22 04:45:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	107	0.01
50	S	Toluene-d8	1.258	1.168	7.2	92	0.00
51	T	4-Methyl-2-Pentanone	0.187	0.216	-15.5	107	0.00
52	CM	Toluene	0.935	0.884	5.5#	94	0.00
53	T	t-1,3-Dichloropropene	0.431	0.440	-2.1	100	0.00
54	T	cis-1,3-Dichloropropene	0.519	0.504	2.9	97	0.00
55	T	1,1,2-Trichloroethane	0.239	0.238	0.4	99	0.00
56	T	Ethyl methacrylate	0.298	0.323	-8.4	101	0.00
57	T	1,3-Dichloropropane	0.412	0.416	-1.0	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.146	0.161	-10.3	97	0.00
59	T	2-Hexanone	0.123	0.147	-19.5	110	0.00
60	T	Dibromochloromethane	0.312	0.312	0.0	97	0.00
61	T	1,2-Dibromoethane	0.217	0.223	-2.8	100	0.00
62	S	4-Bromofluorobenzene	0.396	0.374	5.6	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.511	0.480	6.1	91	0.00
65	PM	Chlorobenzene	1.180	1.093	7.4	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.364	9.5	94	0.00
67	C	Ethyl Benzene	2.091	1.947	6.9#	94	0.00
68	T	m/p-Xylenes	0.802	0.748	6.7	94	0.00
69	T	o-Xylene	0.744	0.704	5.4	96	0.00
70	T	Styrene	1.219	1.166	4.3	96	0.00
71	P	Bromoform	0.204	0.207	-1.5	104	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
73	T	Isopropylbenzene	4.239	3.753	11.5	94	0.00
74	T	N-amyl acetate	0.799	0.853	-6.8	109	0.00
75	P	1,1,2,2-Tetrachloroethane	0.613	0.586	4.4	106	0.00
76	T	1,2,3-Trichloropropane	0.623	0.561	10.0	95	0.00
77	T	Bromobenzene	0.919	0.833	9.4	97	0.00
78	T	n-propylbenzene	5.048	4.614	8.6	96	0.00
79	T	2-Chlorotoluene	2.839	2.548	10.3	96	0.00
80	T	1,3,5-Trimethylbenzene	3.343	3.049	8.8	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.209	0.209	0.0	106	0.00
82	T	4-Chlorotoluene	2.864	2.656	7.3	99	0.00
83	T	tert-Butylbenzene	3.020	2.737	9.4	95	0.00
84	T	1,2,4-Trimethylbenzene	3.291	3.052	7.3	98	0.00
85	T	sec-Butylbenzene	4.526	4.135	8.6	96	0.00
86	T	p-Isopropyltoluene	3.676	3.403	7.4	97	0.00
87	T	1,3-Dichlorobenzene	1.855	1.689	8.9	98	0.00
88	T	1,4-Dichlorobenzene	1.795	1.630	9.2	98	0.00
89	T	n-Butylbenzene	3.392	3.201	5.6	99	0.00
90	T	Hexachloroethane	0.761	0.678	10.9	96	0.00
91	T	1,2-Dichlorobenzene	1.565	1.458	6.8	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.091	0.100	-9.9	112	0.00
93	T	1,2,4-Trichlorobenzene	0.825	0.820	0.6	105	0.00
94	T	Hexachlorobutadiene	0.520	0.473	9.0	101	0.00
95	T	Naphthalene	1.323	1.492	-12.8	109	0.00

Sample Results: **VY023015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023015.D
Acq On : 21 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 22 04:45:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	0.681	0.699	-2.6	106	0.00

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

Sample Results: **VY023015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023015.D
Acq On : 21 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 22 04:45:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	93	0.00
2	T	Dichlorodifluoromethane	50.000	41.324	17.4	89	0.00
3	P	Chloromethane	50.000	52.299	-4.6	114	0.00
4	C	Vinyl Chloride	50.000	47.523	5.0#	98	0.00
5	T	Bromomethane	50.000	49.321	1.4	109	0.00
6	T	Chloroethane	50.000	48.816	2.4	100	0.00
7	T	Trichlorofluoromethane	50.000	47.699	4.6	97	0.00
8	T	Diethyl Ether	50.000	45.781	8.4	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.142	11.7	91	0.00
10	T	Methyl Iodide	50.000	42.309	15.4	80	0.00
11	T	Tert butyl alcohol	250.000	274.768	-9.9	106	0.04
12	CM	1,1-Dichloroethene	50.000	44.137	11.7#	92	0.00
13	T	Acrolein	250.000	121.709	51.3#	89	0.00
14	T	Allyl chloride	50.000	46.315	7.4	94	0.00
15	T	Acrylonitrile	250.000	269.039	-7.6	107	0.00
16	T	Acetone	250.000	287.564	-15.0	127	0.01
17	T	Carbon Disulfide	50.000	43.871	12.3	91	0.00
18	T	Methyl Acetate	50.000	56.897	-13.8	102	0.00
19	T	Methyl tert-butyl Ether	50.000	49.645	0.7	99	0.00
20	T	Methylene Chloride	50.000	44.522	11.0	90	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.236	9.5	93	0.00
22	T	Diisopropyl ether	50.000	48.287	3.4	97	0.00
23	T	Vinyl Acetate	250.000	261.701	-4.7	104	0.00
24	P	1,1-Dichloroethane	50.000	45.968	8.1	93	0.00
25	T	2-Butanone	250.000	286.473	-14.6	114	0.00
26	T	2,2-Dichloropropane	50.000	46.522	7.0	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.750	8.5	92	0.00
28	T	Bromochloromethane	50.000	49.320	1.4	96	0.00
29	T	Tetrahydrofuran	250.000	275.830	-10.3	105	0.00
30	C	Chloroform	50.000	45.883	8.2#	94	0.00
31	T	Cyclohexane	50.000	43.348	13.3	92	0.00
32	T	1,1,1-Trichloroethane	50.000	45.068	9.9	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.053	1.9	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35	S	Dibromofluoromethane	50.000	46.314	7.4	92	0.00
36	T	1,1-Dichloropropene	50.000	45.967	8.1	92	0.00
37	T	Ethyl Acetate	50.000	52.544	-5.1	105	0.00
38	T	Carbon Tetrachloride	50.000	45.380	9.2	92	0.00
39	T	Methylcyclohexane	50.000	45.487	9.0	91	0.00
40	TM	Benzene	50.000	46.502	7.0	94	0.00
41	T	Methacrylonitrile	50.000	59.045	-18.1	113	0.00
42	TM	1,2-Dichloroethane	50.000	50.055	-0.1	99	0.00
43	T	Isopropyl Acetate	50.000	54.629	-9.3	104	0.00
44	TM	Trichloroethene	50.000	46.410	7.2	93	0.00
45	C	1,2-Dichloropropane	50.000	47.131	5.7#	96	0.00
46	T	Dibromomethane	50.000	49.790	0.4	98	0.00
47	T	Bromodichloromethane	50.000	47.861	4.3	96	0.00
48	T	Methyl methacrylate	50.000	55.518	-11.0	104	0.00

Sample Results: **VY023015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023015.D
Acq On : 21 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 22 04:45:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	1129.451	-12.9	107	0.01
50	S	Toluene-d8	50.000	46.437	7.1	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	288.338	-15.3	107	0.00
52	CM	Toluene	50.000	47.287	5.4#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	51.095	-2.2	100	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.527	2.9	97	0.00
55	T	1,1,2-Trichloroethane	50.000	49.876	0.2	99	0.00
56	T	Ethyl methacrylate	50.000	54.291	-8.6	101	0.00
57	T	1,3-Dichloropropane	50.000	50.497	-1.0	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	275.393	-10.2	97	0.00
59	T	2-Hexanone	250.000	298.947	-19.6	110	0.00
60	T	Dibromochloromethane	50.000	49.953	0.1	97	0.00
61	T	1,2-Dibromoethane	50.000	51.415	-2.8	100	0.00
62	S	4-Bromofluorobenzene	50.000	47.233	5.5	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	46.956	6.1	91	0.00
65	PM	Chlorobenzene	50.000	46.305	7.4	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.267	9.5	94	0.00
67	C	Ethyl Benzene	50.000	46.541	6.9#	94	0.00
68	T	m/p-Xylenes	100.000	93.198	6.8	94	0.00
69	T	o-Xylene	50.000	47.267	5.5	96	0.00
70	T	Styrene	50.000	47.820	4.4	96	0.00
71	P	Bromoform	50.000	50.776	-1.6	104	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
73	T	Isopropylbenzene	50.000	44.271	11.5	94	0.00
74	T	N-amyl acetate	50.000	53.395	-6.8	109	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.749	4.5	106	0.00
76	T	1,2,3-Trichloropropane	50.000	45.042	9.9	95	0.00
77	T	Bromobenzene	50.000	45.276	9.4	97	0.00
78	T	n-propylbenzene	50.000	45.698	8.6	96	0.00
79	T	2-Chlorotoluene	50.000	44.865	10.3	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	45.590	8.8	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.983	0.0	106	0.00
82	T	4-Chlorotoluene	50.000	46.371	7.3	99	0.00
83	T	tert-Butylbenzene	50.000	45.312	9.4	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.371	7.3	98	0.00
85	T	sec-Butylbenzene	50.000	45.684	8.6	96	0.00
86	T	p-Isopropyltoluene	50.000	46.286	7.4	97	0.00
87	T	1,3-Dichlorobenzene	50.000	45.514	9.0	98	0.00
88	T	1,4-Dichlorobenzene	50.000	45.391	9.2	98	0.00
89	T	n-Butylbenzene	50.000	47.189	5.6	99	0.00
90	T	Hexachloroethane	50.000	44.550	10.9	96	0.00
91	T	1,2-Dichlorobenzene	50.000	46.577	6.8	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.638	-9.3	112	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.693	0.6	105	0.00
94	T	Hexachlorobutadiene	50.000	45.491	9.0	101	0.00
95	T	Naphthalene	50.000	56.375	-12.8	109	0.00

Sample Results: **VY023015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023015.D
Acq On : 21 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 22 04:45:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	51.312	-2.6	106	0.00

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

Raw Data: **VY023039.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: EARTH03
Lab Code: ACE
SDG No.: Q2651
Instrument ID: MSVOA_Y
Calibration Date/Time: 07/22/2025 11:04
Lab File ID: VY023039.D
Init. Calib. Date(s): 07/18/2025 07/18/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 10:08 12:49
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.425	0.363		-14.59	20
Chloromethane	0.722	0.653	0.1	-9.56	20
Vinyl Chloride	0.915	0.879		-3.93	20
Bromomethane	0.660	0.608		-7.88	20
Chloroethane	0.611	0.606		-0.82	20
Trichlorofluoromethane	1.062	0.996		-6.22	20
1,1,2-Trichlorotrifluoroethane	0.558	0.508		-8.96	20
1,1-Dichloroethene	0.531	0.489		-7.91	20
Acetone	0.092	0.079		-14.13	20
Carbon Disulfide	1.610	1.468		-8.82	20
Methyl tert-butyl Ether	1.274	1.203		-5.57	20
Methyl Acetate	0.311	0.307		-1.29	20
Methylene Chloride	0.871	0.608		-30.19	20
trans-1,2-Dichloroethene	0.591	0.554		-6.26	20
1,1-Dichloroethane	1.079	1.030	0.1	-4.54	20
Cyclohexane	1.008	0.903		-10.42	20
2-Butanone	0.132	0.124		-6.06	20
Carbon Tetrachloride	0.543	0.519		-4.42	20
cis-1,2-Dichloroethene	0.682	0.641		-6.01	20
Bromochloromethane	0.418	0.411		-1.67	20
Chloroform	1.088	1.053		-3.22	20
1,1,1-Trichloroethane	0.987	0.932		-5.57	20
Methylcyclohexane	0.647	0.615		-4.95	20
Benzene	1.504	1.466		-2.53	20
1,2-Dichloroethane	0.374	0.368		-1.6	20
Trichloroethene	0.386	0.365		-5.44	20
1,2-Dichloropropane	0.351	0.339		-3.42	20
Bromodichloromethane	0.502	0.495		-1.39	20
4-Methyl-2-Pentanone	0.187	0.192		2.67	20
Toluene	0.935	0.936		0.11	20
t-1,3-Dichloropropene	0.431	0.424		-1.62	20
cis-1,3-Dichloropropene	0.519	0.502		-3.28	20
1,1,2-Trichloroethane	0.239	0.234		-2.09	20
2-Hexanone	0.123	0.125		1.63	20
Dibromochloromethane	0.312	0.310		-0.64	20
1,2-Dibromoethane	0.217	0.211		-2.77	20
Tetrachloroethene	0.511	0.493		-3.52	20
Chlorobenzene	1.180	1.132	0.3	-4.07	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: **VY023039.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: EARTH03
Lab Code: ACE
SDG No.: Q2651
Instrument ID: MSVOA_Y
Calibration Date/Time: 07/22/2025 11:04
Lab File ID: VY023039.D
Init. Calib. Date(s): 07/18/2025 07/18/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 10:08 12:49
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.091	2.048		-2.06	20
m/p-Xylenes	0.802	0.788		-1.75	20
o-Xylene	0.744	0.722		-2.96	20
Styrene	1.219	1.206		-1.07	20
Bromoform	0.204	0.193	0.1	-5.39	20
Isopropylbenzene	4.239	4.055		-4.34	20
1,1,2,2-Tetrachloroethane	0.613	0.570	0.3	-7.01	20
1,3-Dichlorobenzene	1.855	1.751		-5.61	20
1,4-Dichlorobenzene	1.795	1.699		-5.35	20
1,2-Dichlorobenzene	1.565	1.496		-4.41	20
1,2-Dibromo-3-Chloropropane	0.091	0.090		-1.1	20
1,2,4-Trichlorobenzene	0.825	0.777		-5.82	20
1,2,3-Trichlorobenzene	0.681	0.652		-4.26	20
1,2-Dichloroethane-d4	0.506	0.483		-4.55	20
Dibromofluoromethane	0.317	0.300		-5.36	20
Toluene-d8	1.258	1.210		-3.82	20
4-Bromofluorobenzene	0.396	0.367		-7.32	20

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

Sample Results: **VY023039.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023039.D
Acq On : 22 Jul 2025 11:04
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 23 02:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
Supervised By :Semsettin Yesilyurt 07/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	413516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	654916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	559169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	265668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	199791	47.727	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.460%			
35) Dibromofluoromethane	7.634	113	196251	47.240	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.480%			
50) Toluene-d8	10.109	98	792225	48.088	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.180%			
62) 4-Bromofluorobenzene	12.401	95	240644	46.403	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	149977	42.714	ug/l	99
3) Chloromethane	2.068	50	269873	45.202	ug/l	99
4) Vinyl Chloride	2.202	62	363540	48.063	ug/l	100
5) Bromomethane	2.598	94	251294	46.033	ug/l	99
6) Chloroethane	2.739	64	250614	49.610	ug/l	99
7) Trichlorofluoromethane	3.056	101	411854	46.906	ug/l	100
8) Diethyl Ether	3.458	74	101929	44.355	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	210148	45.561	ug/l	99
10) Methyl Iodide	4.001	142	241588	50.418	ug/l	100
11) Tert butyl alcohol	4.860	59	58540	231.230	ug/l	100
12) 1,1-Dichloroethene	3.793	96	202096	45.994	ug/l	99
13) Acrolein	3.659	56	11596	97.475	ug/l	93
14) Allyl chloride	4.385	41	312273	46.648	ug/l	98
15) Acrylonitrile	5.055	53	207841	238.777	ug/l	99
16) Acetone	3.866	43	163984	216.105	ug/l	100
17) Carbon Disulfide	4.110	76	607013	45.581	ug/l	100
18) Methyl Acetate	4.385	43	127109	49.478	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	497346	47.189	ug/l	98
20) Methylene Chloride	4.616	84	251271	46.493	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	229035	46.826	ug/l	97
22) Diisopropyl ether	6.018	45	695460	48.970	ug/l	98
23) Vinyl Acetate	5.964	43	1737820	242.856	ug/l	98
24) 1,1-Dichloroethane	5.915	63	426107	47.769	ug/l	99
25) 2-Butanone	6.896	43	256655	235.768	ug/l	98
26) 2,2-Dichloropropane	6.884	77	369506	47.265	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	265223	47.050	ug/l	98
28) Bromochloromethane	7.244	49	169903	49.109	ug/l	98
29) Tetrahydrofuran	7.262	42	166161	241.088	ug/l	100
30) Chloroform	7.421	83	435329	48.378	ug/l	99
31) Cyclohexane	7.701	56	373293	44.787	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	385246	47.185	ug/l	99
36) 1,1-Dichloropropene	7.835	75	315447	48.205	ug/l	99
37) Ethyl Acetate	6.982	43	116191	47.808	ug/l	99
38) Carbon Tetrachloride	7.817	117	340207	47.854	ug/l	98
39) Methylcyclohexane	9.109	83	403099	47.592	ug/l	98
40) Benzene	8.079	78	960054	48.727	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023039.D
Acq On : 22 Jul 2025 11:04
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 23 02:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
Supervised By :Semsettin Yesilyurt 07/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	70913	53.562	ug/l	#	90
42) 1,2-Dichloroethane	8.158	62	241145	49.194	ug/l		100
43) Isopropyl Acetate	8.195	43	236894	49.071	ug/l	#	87
44) Trichloroethene	8.866	130	238928	47.213	ug/l		99
45) 1,2-Dichloropropane	9.140	63	222072	48.265	ug/l		99
46) Dibromomethane	9.231	93	114939	48.329	ug/l		98
47) Bromodichloromethane	9.426	83	324186	49.313	ug/l		100
48) Methyl methacrylate	9.219	41	117253	50.308	ug/l		100
49) 1,4-Dioxane	9.225	88	23907	953.644	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	627727	256.182	ug/l		100
52) Toluene	10.170	92	613136	50.053	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	277671	49.205	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	328881	48.352	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	153120	48.985	ug/l		98
56) Ethyl methacrylate	10.438	69	196034	50.238	ug/l		99
57) 1,3-Dichloropropane	10.713	76	266128	49.284	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	490656	256.871	ug/l		99
59) 2-Hexanone	10.762	43	409696	254.369	ug/l		99
60) Dibromochloromethane	10.914	129	202841	49.555	ug/l		98
61) 1,2-Dibromoethane	11.011	107	138348	48.738	ug/l		100
64) Tetrachloroethene	10.646	164	275448	48.193	ug/l		98
65) Chlorobenzene	11.444	112	632860	47.963	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	212932	47.314	ug/l		99
67) Ethyl Benzene	11.518	91	1145408	48.975	ug/l		99
68) m/p-Xylenes	11.627	106	881100	98.220	ug/l		100
69) o-Xylene	11.956	106	403716	48.493	ug/l		99
70) Styrene	11.969	104	674359	49.451	ug/l		100
71) Bromoform	12.133	173	107810	47.188	ug/l	#	100
73) Isopropylbenzene	12.255	105	1077188	47.824	ug/l		100
74) N-amyl acetate	12.066	43	209264	49.279	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	151397	46.448	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	164407m	49.663	ug/l		
77) Bromobenzene	12.530	156	232750	47.645	ug/l		99
78) n-propylbenzene	12.597	91	1319574	49.196	ug/l		100
79) 2-Chlorotoluene	12.682	91	720755	47.778	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	861281	48.483	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	52206	46.971	ug/l		99
82) 4-Chlorotoluene	12.773	91	748246	49.179	ug/l		99
83) tert-Butylbenzene	12.999	119	780072	48.613	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	856722	48.992	ug/l		99
85) sec-Butylbenzene	13.176	105	1177733	48.976	ug/l		100
86) p-Isopropyltoluene	13.292	119	950206	48.654	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	465065	47.173	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	451393	47.328	ug/l		100
89) n-Butylbenzene	13.615	91	901082	50.000	ug/l		99
90) Hexachloroethane	13.877	117	193375	47.824	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	397553	47.806	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	23955	49.496	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	206512	47.112	ug/l		98
94) Hexachlorobutadiene	15.023	225	126337	45.716	ug/l		99
95) Naphthalene	15.145	128	346881	49.339	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	173145	47.839	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023039.D
Acq On : 22 Jul 2025 11:04
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 23 02:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
Supervised By :Semsettin Yesilyurt 07/23/2025

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

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

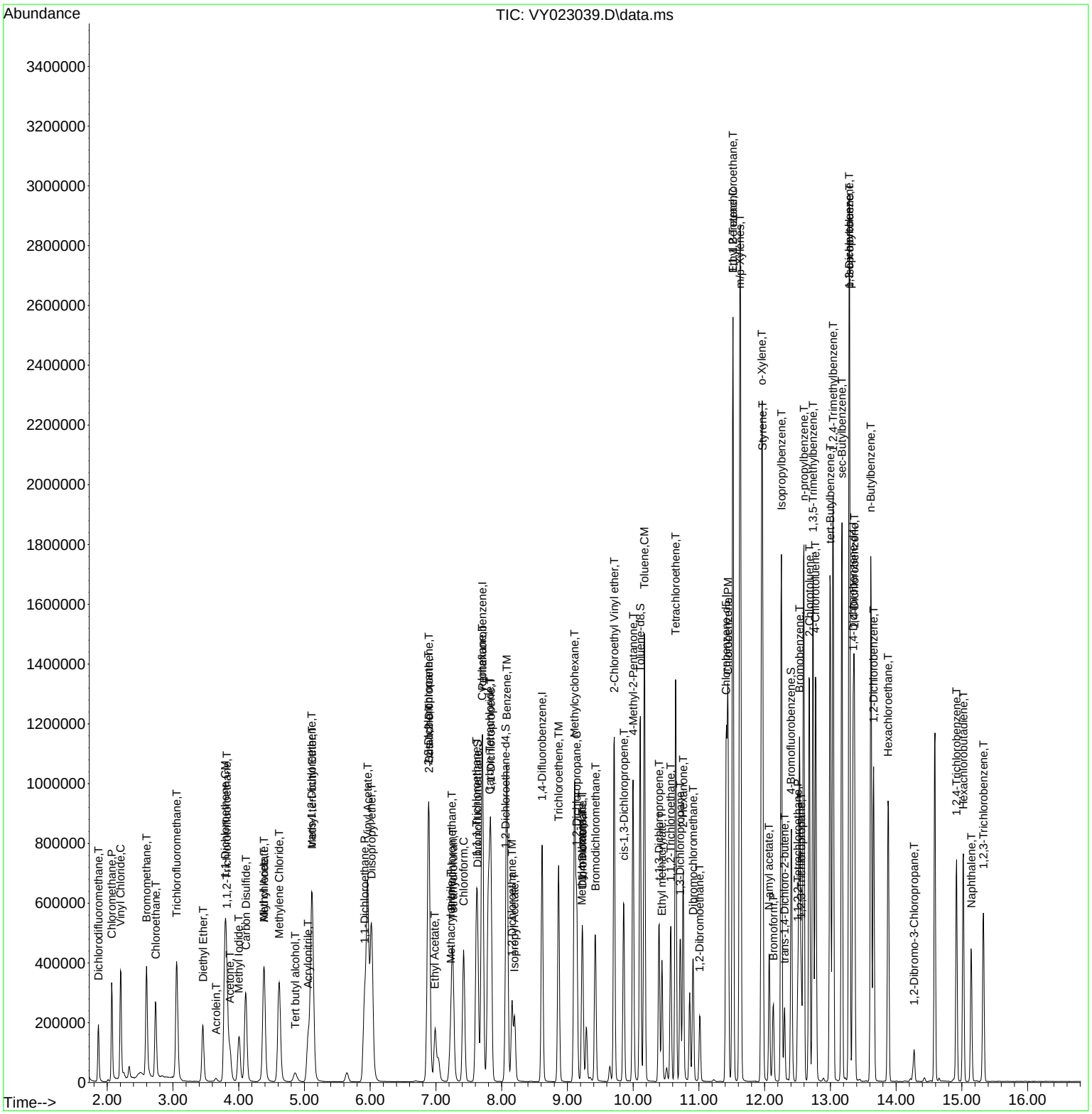
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023039.D
Acq On : 22 Jul 2025 11:04
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 23 02:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
Supervised By :Semsettin Yesilyurt 07/23/2025



Sample Results: **VY023039.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023039.D
Acq On : 22 Jul 2025 11:04
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 23 02:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	82	0.00
2	T	Dichlorodifluoromethane	0.425	0.363	14.6	81	0.00
3	P	Chloromethane	0.722	0.653	9.6	87	0.00
4	C	Vinyl Chloride	0.915	0.879	3.9#	88	0.00
5	T	Bromomethane	0.660	0.608	7.9	90	0.00
6	T	Chloroethane	0.611	0.606	0.8	90	0.00
7	T	Trichlorofluoromethane	1.062	0.996	6.2	84	0.00
8	T	Diethyl Ether	0.278	0.246	11.5	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.558	0.508	9.0	83	0.00
10	T	Methyl Iodide	0.579	0.584	-0.9	85	0.00
11	T	Tert butyl alcohol	0.031	0.028	9.7	79	0.00
12	CM	1,1-Dichloroethene	0.531	0.489	7.9#	85	0.00
13	T	Acrolein	0.014	0.006	57.1#	63	0.00
14	T	Allyl chloride	0.809	0.755	6.7	84	0.00
15	T	Acrylonitrile	0.105	0.101	3.8	84	0.00
16	T	Acetone	0.092	0.079	14.1	84	0.00
17	T	Carbon Disulfide	1.610	1.468	8.8	84	0.00
18	T	Methyl Acetate	0.311	0.307	1.3	78	0.00
19	T	Methyl tert-butyl Ether	1.274	1.203	5.6	83	0.00
20	T	Methylene Chloride	0.871	0.608	30.2#	83	0.00
21	T	trans-1,2-Dichloroethene	0.591	0.554	6.3	86	0.00
22	T	Diisopropyl ether	1.717	1.682	2.0	87	0.00
23	T	Vinyl Acetate	0.865	0.841	2.8	86	0.00
24	P	1,1-Dichloroethane	1.079	1.030	4.5	86	0.00
25	T	2-Butanone	0.132	0.124	6.1	83	0.00
26	T	2,2-Dichloropropane	0.945	0.894	5.4	86	0.00
27	T	cis-1,2-Dichloroethene	0.682	0.641	6.0	84	0.00
28	T	Bromochloromethane	0.418	0.411	1.7	85	0.00
29	T	Tetrahydrofuran	0.083	0.080	3.6	81	0.00
30	C	Chloroform	1.088	1.053	3.2#	88	0.00
31	T	Cyclohexane	1.008	0.903	10.4	85	0.00
32	T	1,1,1-Trichloroethane	0.987	0.932	5.6	85	0.00
33	S	1,2-Dichloroethane-d4	0.506	0.483	4.5	84	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	83	0.00
35	S	Dibromofluoromethane	0.317	0.300	5.4	82	0.00
36	T	1,1-Dichloropropene	0.500	0.482	3.6	85	0.00
37	T	Ethyl Acetate	0.186	0.177	4.8	84	0.00
38	T	Carbon Tetrachloride	0.543	0.519	4.4	85	0.00
39	T	Methylcyclohexane	0.647	0.615	4.9	84	0.00
40	TM	Benzene	1.504	1.466	2.5	86	0.00
41	T	Methacrylonitrile	0.101	0.108	-6.9	90	0.01
42	TM	1,2-Dichloroethane	0.374	0.368	1.6	85	0.00
43	T	Isopropyl Acetate	0.369	0.362	1.9	82	0.00
44	TM	Trichloroethene	0.386	0.365	5.4	83	0.00
45	C	1,2-Dichloropropane	0.351	0.339	3.4#	86	0.00
46	T	Dibromomethane	0.182	0.176	3.3	84	0.00
47	T	Bromodichloromethane	0.502	0.495	1.4	87	0.00
48	T	Methyl methacrylate	0.178	0.179	-0.6	83	0.00

Sample Results: **VY023039.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023039.D
Acq On : 22 Jul 2025 11:04
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 23 02:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	80	0.00
50	S	Toluene-d8	1.258	1.210	3.8	83	0.00
51	T	4-Methyl-2-Pentanone	0.187	0.192	-2.7	83	0.00
52	CM	Toluene	0.935	0.936	-0.1#	87	0.00
53	T	t-1,3-Dichloropropene	0.431	0.424	1.6	85	0.00
54	T	cis-1,3-Dichloropropene	0.519	0.502	3.3	85	0.00
55	T	1,1,2-Trichloroethane	0.239	0.234	2.1	85	0.00
56	T	Ethyl methacrylate	0.298	0.299	-0.3	83	0.00
57	T	1,3-Dichloropropane	0.412	0.406	1.5	86	0.00
58	T	2-Chloroethyl Vinyl ether	0.146	0.150	-2.7	79	0.00
59	T	2-Hexanone	0.123	0.125	-1.6	82	0.00
60	T	Dibromochloromethane	0.312	0.310	0.6	85	0.00
61	T	1,2-Dibromoethane	0.217	0.211	2.8	84	0.00
62	S	4-Bromofluorobenzene	0.396	0.367	7.3	83	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
64	T	Tetrachloroethene	0.511	0.493	3.5	81	0.00
65	PM	Chlorobenzene	1.180	1.132	4.1	86	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.381	5.2	85	0.00
67	C	Ethyl Benzene	2.091	2.048	2.1#	86	0.00
68	T	m/p-Xylenes	0.802	0.788	1.7	86	0.00
69	T	o-Xylene	0.744	0.722	3.0	85	0.00
70	T	Styrene	1.219	1.206	1.1	85	0.00
71	P	Bromoform	0.204	0.193	5.4	84	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
73	T	Isopropylbenzene	4.239	4.055	4.3	85	0.00
74	T	N-amyl acetate	0.799	0.788	1.4	85	0.00
75	P	1,1,2,2-Tetrachloroethane	0.613	0.570	7.0	87	0.00
76	T	1,2,3-Trichloropropane	0.623	0.619	0.6	89	0.00
77	T	Bromobenzene	0.919	0.876	4.7	86	0.00
78	T	n-propylbenzene	5.048	4.967	1.6	87	0.00
79	T	2-Chlorotoluene	2.839	2.713	4.4	86	0.00
80	T	1,3,5-Trimethylbenzene	3.343	3.242	3.0	86	0.00
81	T	trans-1,4-Dichloro-2-butene	0.209	0.197	5.7	84	0.00
82	T	4-Chlorotoluene	2.864	2.816	1.7	88	0.00
83	T	tert-Butylbenzene	3.020	2.936	2.8	86	0.00
84	T	1,2,4-Trimethylbenzene	3.291	3.225	2.0	87	0.00
85	T	sec-Butylbenzene	4.526	4.433	2.1	87	0.00
86	T	p-Isopropyltoluene	3.676	3.577	2.7	86	0.00
87	T	1,3-Dichlorobenzene	1.855	1.751	5.6	85	0.00
88	T	1,4-Dichlorobenzene	1.795	1.699	5.3	86	0.00
89	T	n-Butylbenzene	3.392	3.392	0.0	88	0.00
90	T	Hexachloroethane	0.761	0.728	4.3	87	0.00
91	T	1,2-Dichlorobenzene	1.565	1.496	4.4	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.091	0.090	1.1	86	0.00
93	T	1,2,4-Trichlorobenzene	0.825	0.777	5.8	84	0.00
94	T	Hexachlorobutadiene	0.520	0.476	8.5	86	0.00
95	T	Naphthalene	1.323	1.306	1.3	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023039.D
Acq On : 22 Jul 2025 11:04
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 23 02:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	0.681	0.652	4.3	83	0.00

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

Sample Results: **VY023039.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023039.D
Acq On : 22 Jul 2025 11:04
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 23 02:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	82	0.00
2	T	Dichlorodifluoromethane	50.000	42.714	14.6	81	0.00
3	P	Chloromethane	50.000	45.202	9.6	87	0.00
4	C	Vinyl Chloride	50.000	48.063	3.9#	88	0.00
5	T	Bromomethane	50.000	46.033	7.9	90	0.00
6	T	Chloroethane	50.000	49.610	0.8	90	0.00
7	T	Trichlorofluoromethane	50.000	46.906	6.2	84	0.00
8	T	Diethyl Ether	50.000	44.355	11.3	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.561	8.9	83	0.00
10	T	Methyl Iodide	50.000	50.418	-0.8	85	0.00
11	T	Tert butyl alcohol	250.000	231.230	7.5	79	0.00
12	CM	1,1-Dichloroethene	50.000	45.994	8.0#	85	0.00
13	T	Acrolein	250.000	97.475	61.0#	63	0.00
14	T	Allyl chloride	50.000	46.648	6.7	84	0.00
15	T	Acrylonitrile	250.000	238.777	4.5	84	0.00
16	T	Acetone	250.000	216.105	13.6	84	0.00
17	T	Carbon Disulfide	50.000	45.581	8.8	84	0.00
18	T	Methyl Acetate	50.000	49.478	1.0	78	0.00
19	T	Methyl tert-butyl Ether	50.000	47.189	5.6	83	0.00
20	T	Methylene Chloride	50.000	46.493	7.0	83	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.826	6.3	86	0.00
22	T	Diisopropyl ether	50.000	48.970	2.1	87	0.00
23	T	Vinyl Acetate	250.000	242.856	2.9	86	0.00
24	P	1,1-Dichloroethane	50.000	47.769	4.5	86	0.00
25	T	2-Butanone	250.000	235.768	5.7	83	0.00
26	T	2,2-Dichloropropane	50.000	47.265	5.5	86	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.050	5.9	84	0.00
28	T	Bromochloromethane	50.000	49.109	1.8	85	0.00
29	T	Tetrahydrofuran	250.000	241.088	3.6	81	0.00
30	C	Chloroform	50.000	48.378	3.2#	88	0.00
31	T	Cyclohexane	50.000	44.787	10.4	85	0.00
32	T	1,1,1-Trichloroethane	50.000	47.185	5.6	85	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.727	4.5	84	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	83	0.00
35	S	Dibromofluoromethane	50.000	47.240	5.5	82	0.00
36	T	1,1-Dichloropropene	50.000	48.205	3.6	85	0.00
37	T	Ethyl Acetate	50.000	47.808	4.4	84	0.00
38	T	Carbon Tetrachloride	50.000	47.854	4.3	85	0.00
39	T	Methylcyclohexane	50.000	47.592	4.8	84	0.00
40	TM	Benzene	50.000	48.727	2.5	86	0.00
41	T	Methacrylonitrile	50.000	53.562	-7.1	90	0.01
42	TM	1,2-Dichloroethane	50.000	49.194	1.6	85	0.00
43	T	Isopropyl Acetate	50.000	49.071	1.9	82	0.00
44	TM	Trichloroethene	50.000	47.213	5.6	83	0.00
45	C	1,2-Dichloropropane	50.000	48.265	3.5#	86	0.00
46	T	Dibromomethane	50.000	48.329	3.3	84	0.00
47	T	Bromodichloromethane	50.000	49.313	1.4	87	0.00
48	T	Methyl methacrylate	50.000	50.308	-0.6	83	0.00

Sample Results: **VY023039.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023039.D
Acq On : 22 Jul 2025 11:04
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 23 02:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	953.644	4.6	80	0.00
50	S	Toluene-d8	50.000	48.088	3.8	83	0.00
51	T	4-Methyl-2-Pentanone	250.000	256.182	-2.5	83	0.00
52	CM	Toluene	50.000	50.053	-0.1#	87	0.00
53	T	t-1,3-Dichloropropene	50.000	49.205	1.6	85	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.352	3.3	85	0.00
55	T	1,1,2-Trichloroethane	50.000	48.985	2.0	85	0.00
56	T	Ethyl methacrylate	50.000	50.238	-0.5	83	0.00
57	T	1,3-Dichloropropane	50.000	49.284	1.4	86	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	256.871	-2.7	79	0.00
59	T	2-Hexanone	250.000	254.369	-1.7	82	0.00
60	T	Dibromochloromethane	50.000	49.555	0.9	85	0.00
61	T	1,2-Dibromoethane	50.000	48.738	2.5	84	0.00
62	S	4-Bromofluorobenzene	50.000	46.403	7.2	83	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	84	0.00
64	T	Tetrachloroethene	50.000	48.193	3.6	81	0.00
65	PM	Chlorobenzene	50.000	47.963	4.1	86	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.314	5.4	85	0.00
67	C	Ethyl Benzene	50.000	48.975	2.0#	86	0.00
68	T	m/p-Xylenes	100.000	98.220	1.8	86	0.00
69	T	o-Xylene	50.000	48.493	3.0	85	0.00
70	T	Styrene	50.000	49.451	1.1	85	0.00
71	P	Bromoform	50.000	47.188	5.6	84	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	85	0.00
73	T	Isopropylbenzene	50.000	47.824	4.4	85	0.00
74	T	N-amyl acetate	50.000	49.279	1.4	85	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.448	7.1	87	0.00
76	T	1,2,3-Trichloropropane	50.000	49.663	0.7	89	0.00
77	T	Bromobenzene	50.000	47.645	4.7	86	0.00
78	T	n-propylbenzene	50.000	49.196	1.6	87	0.00
79	T	2-Chlorotoluene	50.000	47.778	4.4	86	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.483	3.0	86	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.971	6.1	84	0.00
82	T	4-Chlorotoluene	50.000	49.179	1.6	88	0.00
83	T	tert-Butylbenzene	50.000	48.613	2.8	86	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.992	2.0	87	0.00
85	T	sec-Butylbenzene	50.000	48.976	2.0	87	0.00
86	T	p-Isopropyltoluene	50.000	48.654	2.7	86	0.00
87	T	1,3-Dichlorobenzene	50.000	47.173	5.7	85	0.00
88	T	1,4-Dichlorobenzene	50.000	47.328	5.3	86	0.00
89	T	n-Butylbenzene	50.000	50.000	0.0	88	0.00
90	T	Hexachloroethane	50.000	47.824	4.4	87	0.00
91	T	1,2-Dichlorobenzene	50.000	47.806	4.4	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.496	1.0	86	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.112	5.8	84	0.00
94	T	Hexachlorobutadiene	50.000	45.716	8.6	86	0.00
95	T	Naphthalene	50.000	49.339	1.3	81	0.00

Sample Results: **VY023039.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023039.D
Acq On : 22 Jul 2025 11:04
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 23 02:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 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	47.839	4.3	83	0.00

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

QC SAMPLE DATA

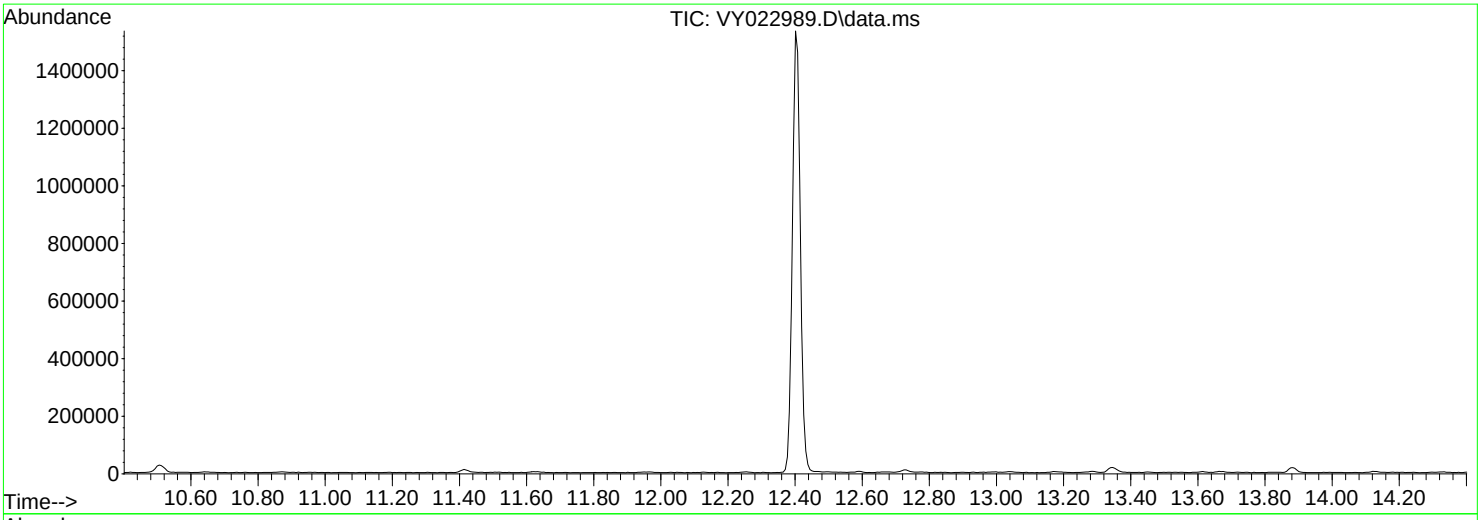
Sample Results: **VY022989.D**

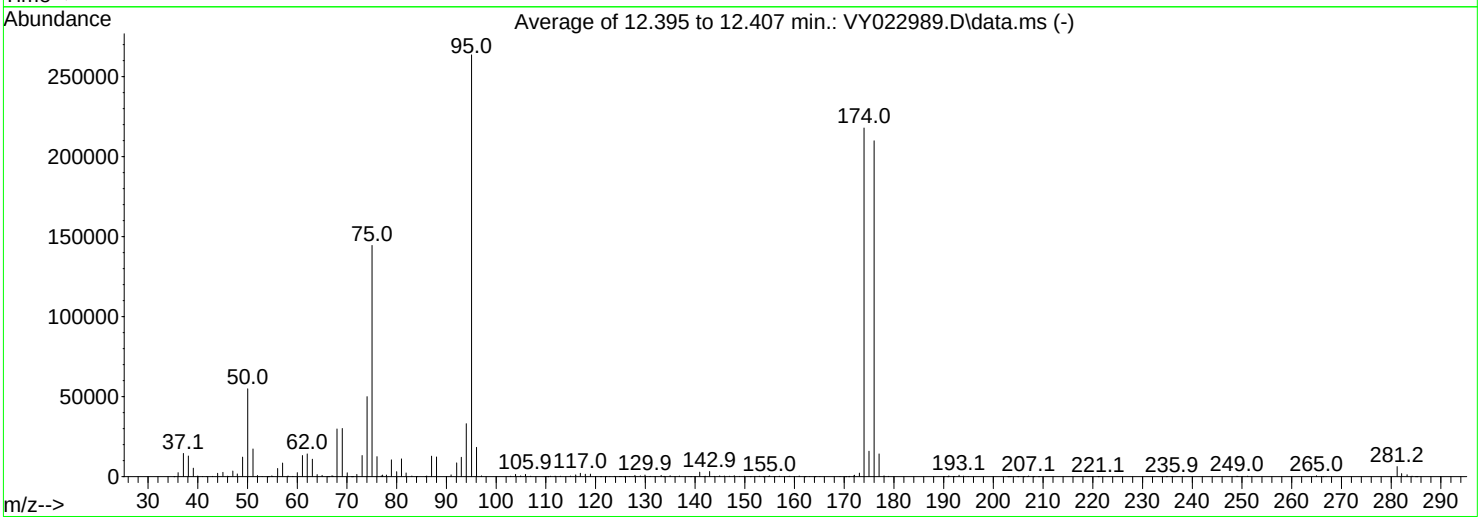
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
Data File : VY022989.D
Acq On : 18 Jul 2025 09:38
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Title : SW846 8260
Last Update : Sat Jul 19 01:50:49 2025





AutoFind: Scans 1751, 1752, 1753; Background Corrected with Scan 1742

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	54925	PASS
75	95	30	60	54.8	144493	PASS
95	95	100	100	100.0	263616	PASS
96	95	5	9	7.0	18352	PASS
173	174	0.00	2	1.0	2222	PASS
174	95	50	100	82.7	217899	PASS
175	174	5	9	7.3	15902	PASS
176	174	95	101	96.3	209877	PASS
177	176	5	9	6.8	14187	PASS

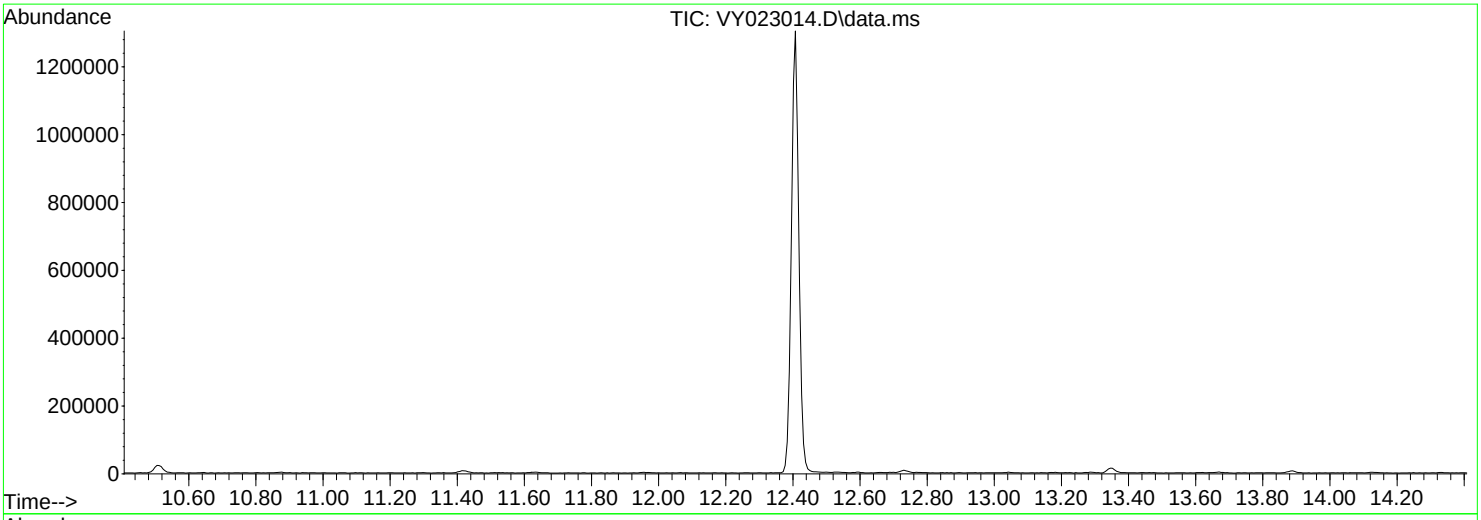
Sample Results: **VY023014.D**

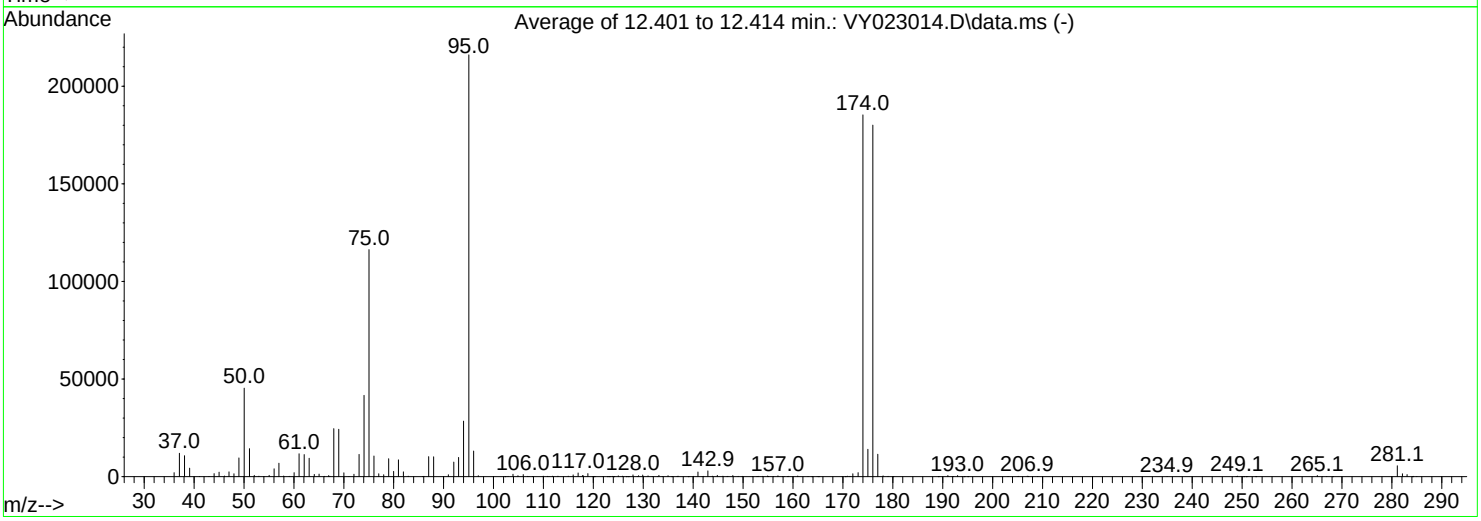
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023014.D
Acq On : 21 Jul 2025 08:24
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Title : SW846 8260
Last Update : Sat Jul 19 01:50:49 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	45317	PASS
75	95	30	60	53.8	116323	PASS
95	95	100	100	100.0	216107	PASS
96	95	5	9	6.1	13088	PASS
173	174	0.00	2	1.1	2059	PASS
174	95	50	100	85.8	185323	PASS
175	174	5	9	7.5	13991	PASS
176	174	95	101	97.2	180139	PASS
177	176	5	9	6.4	11510	PASS

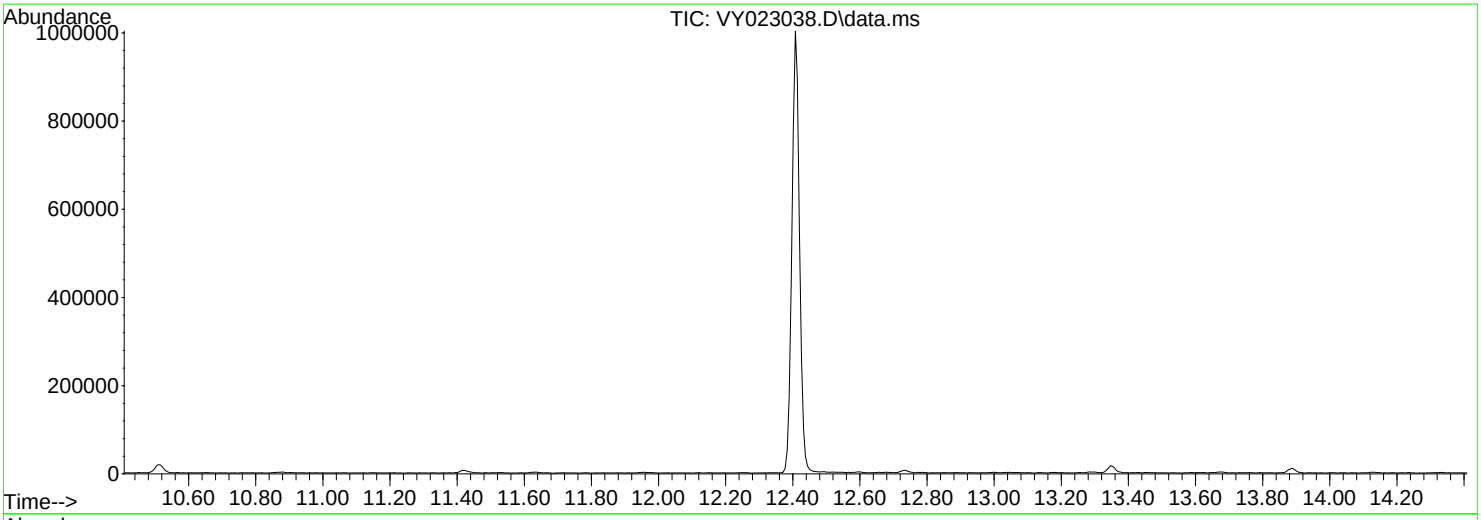
Sample Results: **VY023038.D**

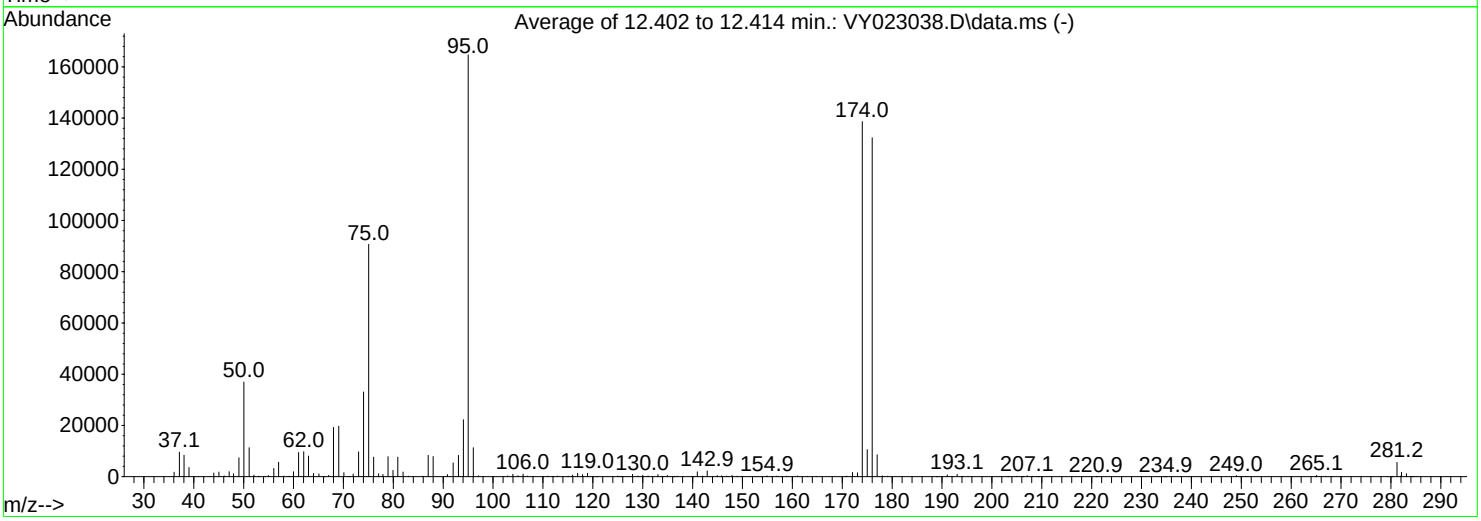
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023038.D
Acq On : 22 Jul 2025 08:32
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Title : SW846 8260
Last Update : Sat Jul 19 01:50:49 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	36923	PASS
75	95	30	60	55.1	90717	PASS
95	95	100	100	100.0	164693	PASS
96	95	5	9	6.9	11308	PASS
173	174	0.00	2	1.1	1522	PASS
174	95	50	100	84.2	138619	PASS
175	174	5	9	7.6	10551	PASS
176	174	95	101	95.4	132299	PASS
177	176	5	9	6.5	8557	PASS

Raw Data: **VY023016.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0721SBL01	SDG No.:	Q2651
Lab Sample ID:	VY0721SBL01	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
VY023016.D	1	07/21/25 10:39	VY072125

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: **VY023016.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0721SBL01	SDG No.:	Q2651
Lab Sample ID:	VY0721SBL01	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
VY023016.D	1	07/21/25 10:39	VY072125

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	54.0		63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.0		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		17 - 146	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	333000	7.707			
540-36-3	1,4-Difluorobenzene	626000	8.615			
3114-55-4	Chlorobenzene-d5	616000	11.413			
3855-82-1	1,4-Dichlorobenzene-d4	271000	13.346			

Raw Data: **VY023016.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0721SBL01	SDG No.:	Q2651
Lab Sample ID:	VY0721SBL01	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
VY023016.D	1	07/21/25 10:39	VY072125

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_Y\Data\VY072125\
Data File : VY023016.D
Acq On : 21 Jul 2025 10:39
Operator : SY/MD
Sample : VY0721SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBL01

Quant Time: Jul 22 04:47:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	332701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	625866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	615563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	271493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	182021	54.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.080%			
35) Dibromofluoromethane	7.634	113	196791	49.568	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.140%			
50) Toluene-d8	10.109	98	756332	48.040	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.080%			
62) 4-Bromofluorobenzene	12.407	95	271169	54.716	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.440%			

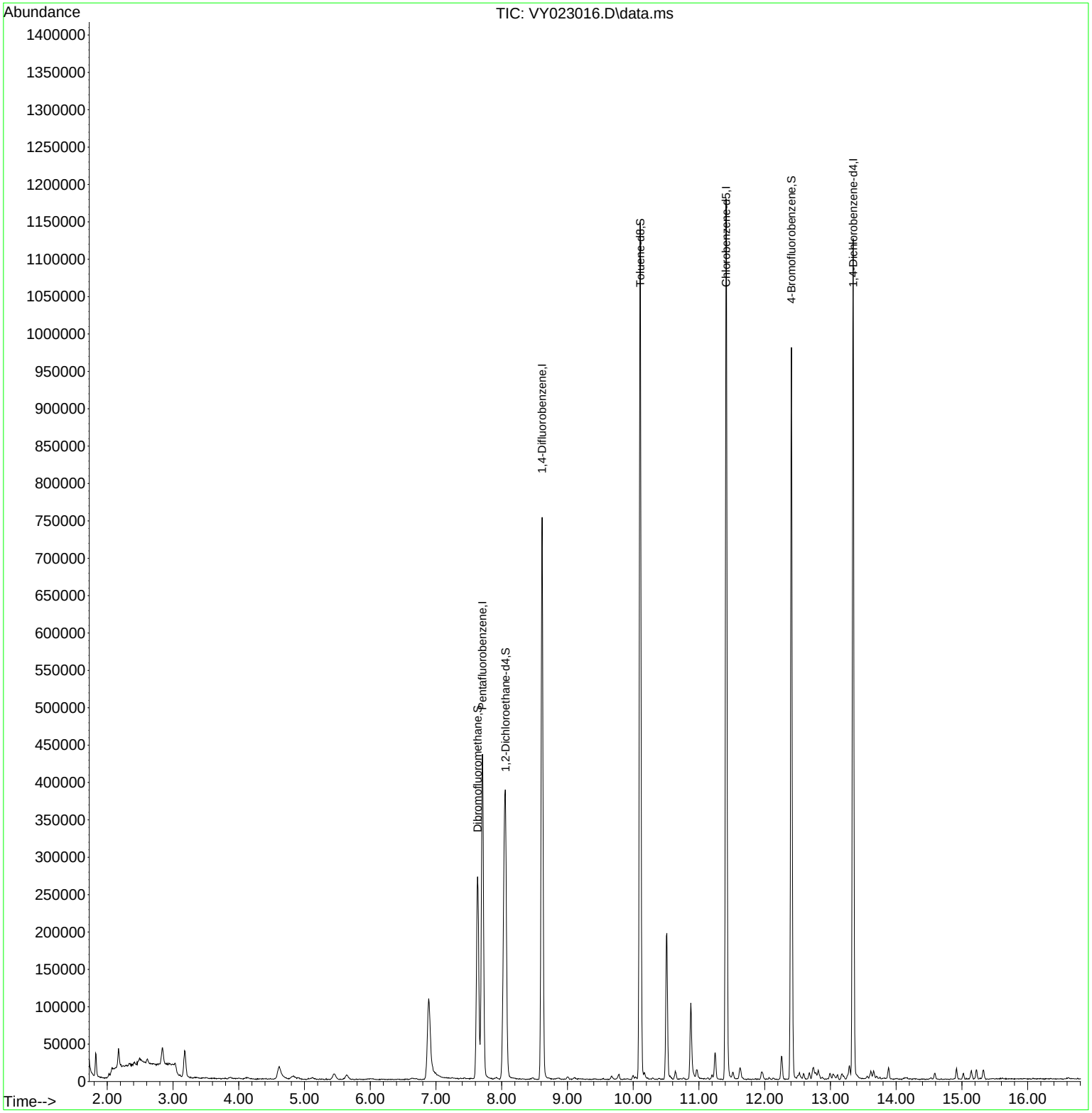
Target Compounds Qvalue

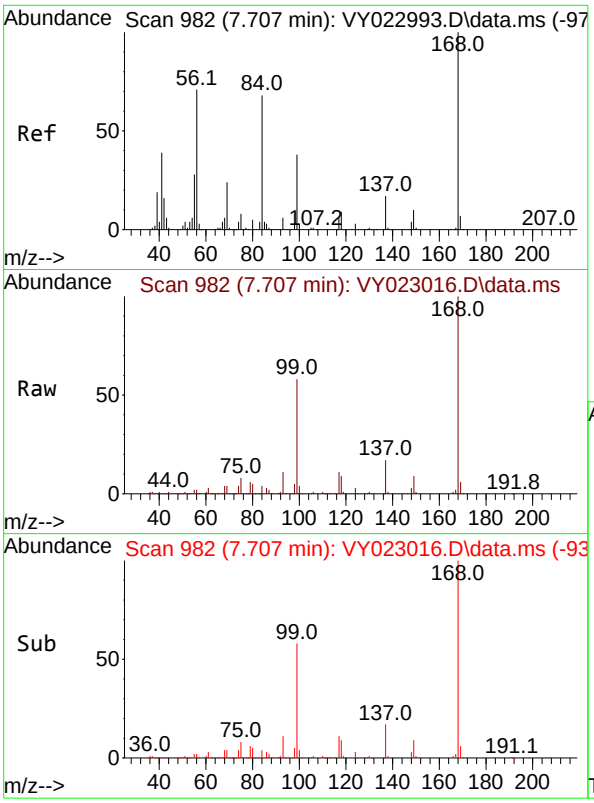
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023016.D
Acq On : 21 Jul 2025 10:39
Operator : SY/MD
Sample : VY0721SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBL01

Quant Time: Jul 22 04:47:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration



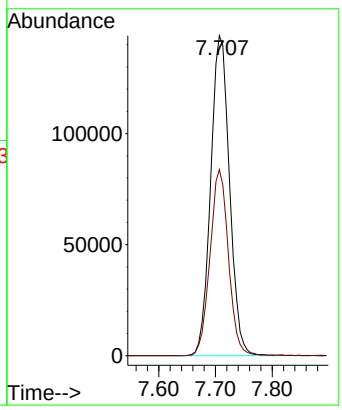


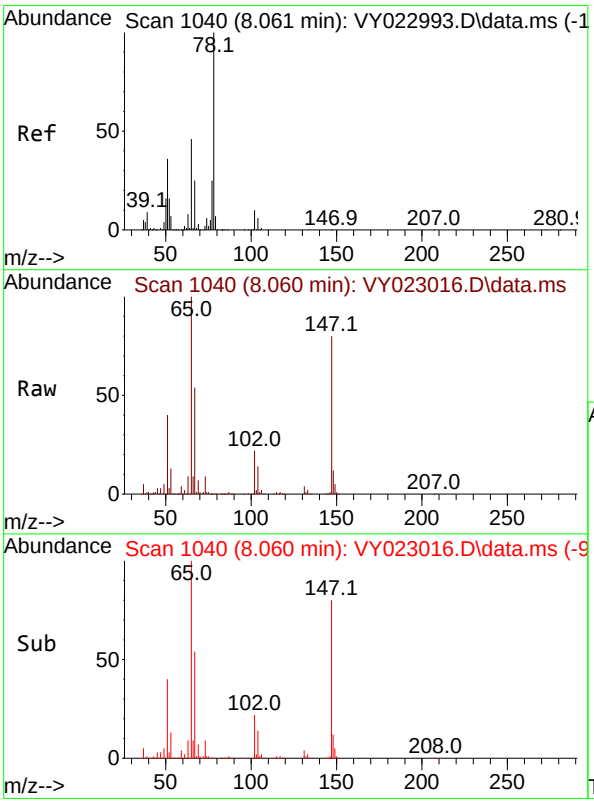
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023016.D
Acq: 21 Jul 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBL01

Tgt Ion:168 Resp: 332701

Ion	Ratio	Lower	Upper
168	100		
99	58.2	44.4	66.6

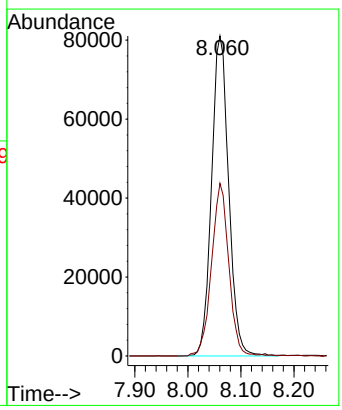


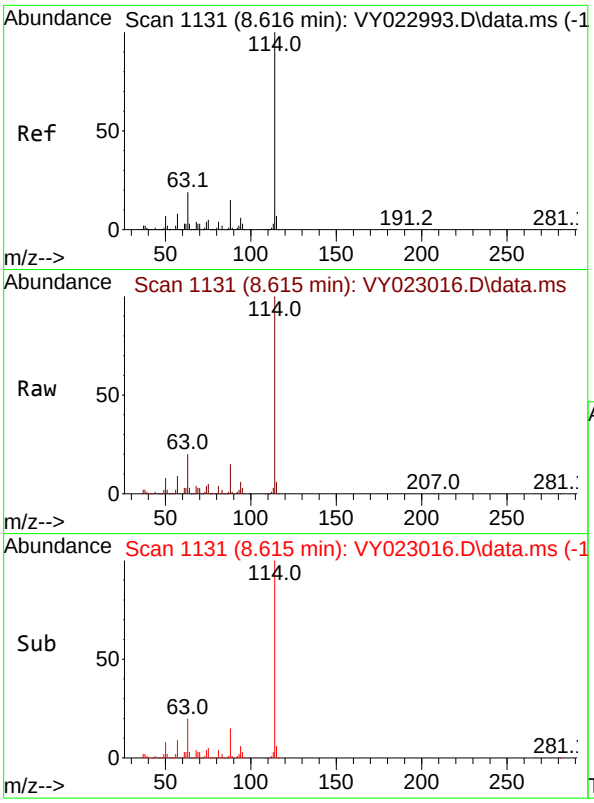


#33
1,2-Dichloroethane-d4
Concen: 54.044 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023016.D
Acq: 21 Jul 2025 10:39

Tgt Ion: 65 Resp: 182021

Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	107.4



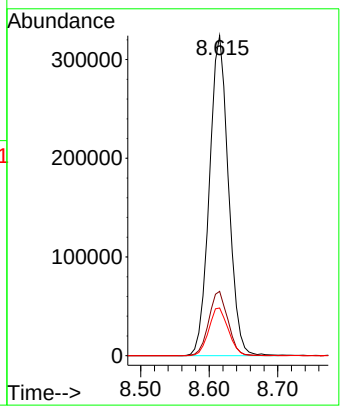


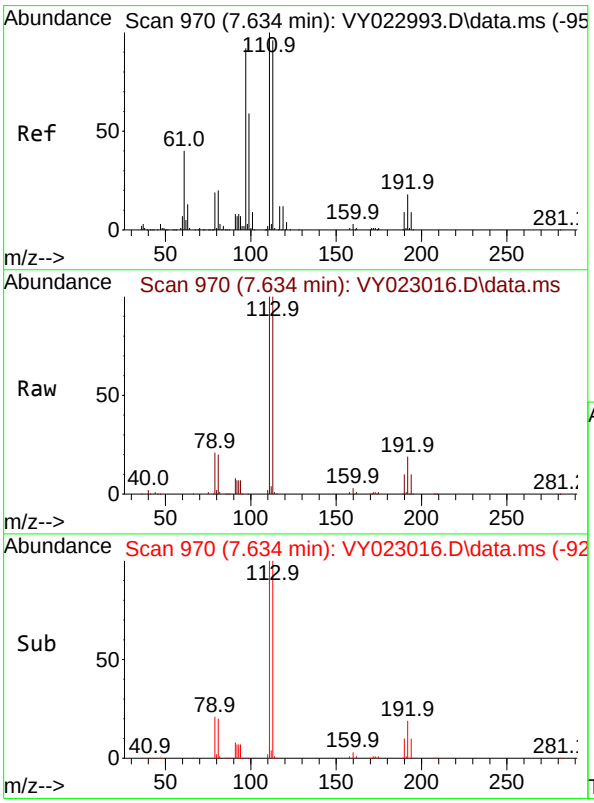
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023016.D
Acq: 21 Jul 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBL01

Tgt Ion:114 Resp: 625866

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	38.8
88	14.9	0.0	30.2

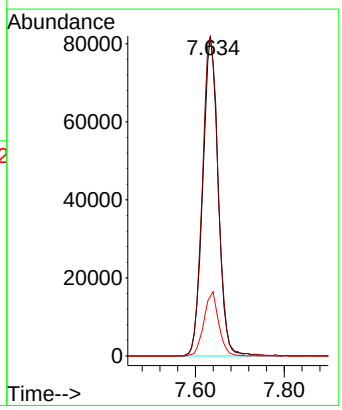


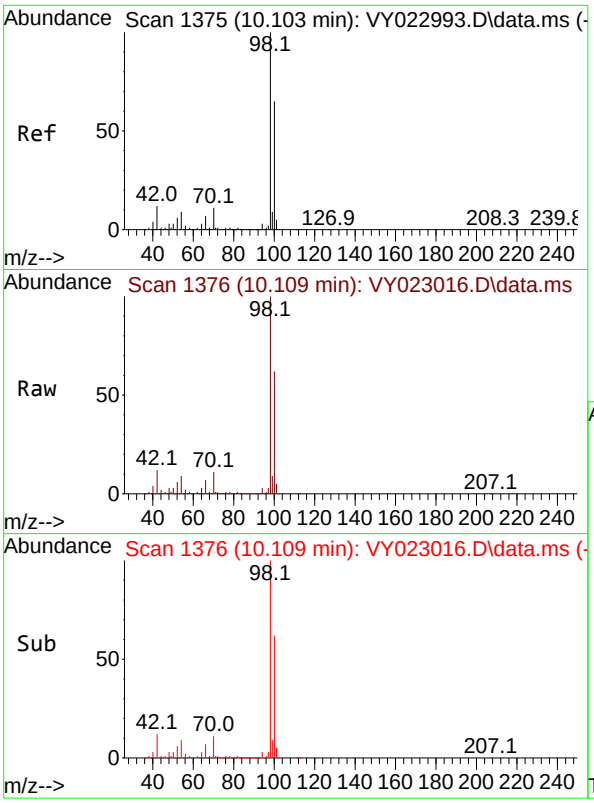


#35
Dibromofluoromethane
Concen: 49.568 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023016.D
Acq: 21 Jul 2025 10:39

Tgt Ion:113 Resp: 196791

Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.2	124.8
192	19.4	15.3	22.9



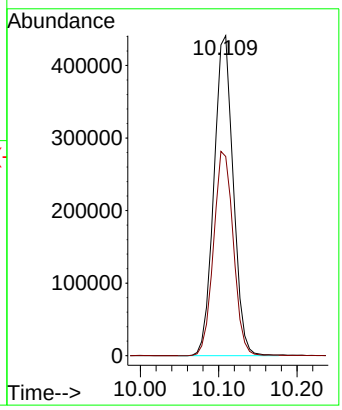


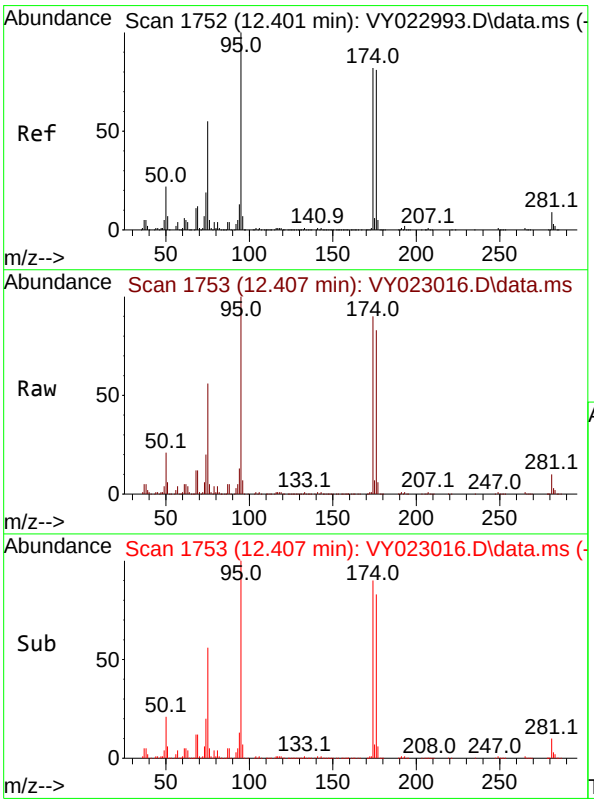
#50
Toluene-d8
Concen: 48.040 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023016.D
Acq: 21 Jul 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBL01

Tgt Ion: 98 Resp: 756332

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2

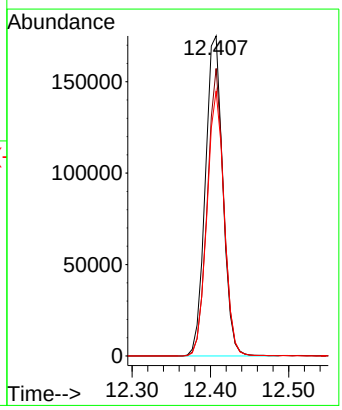


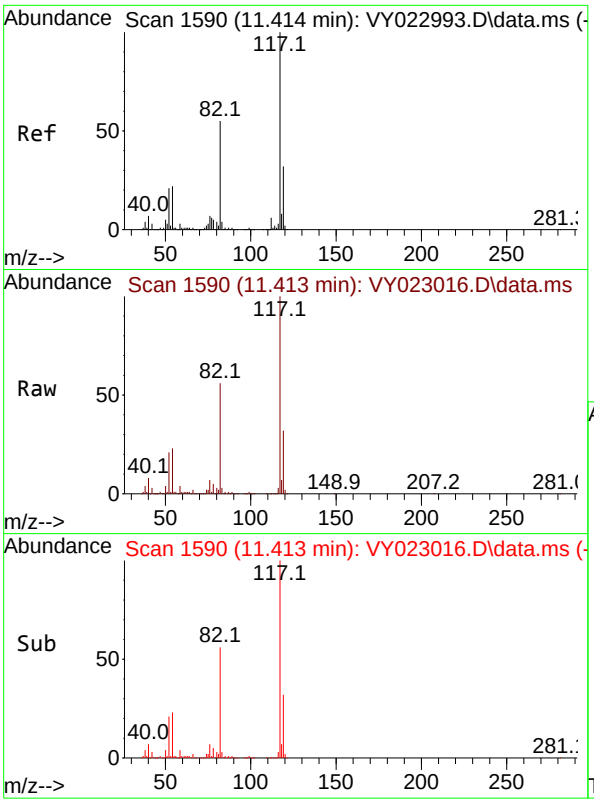


#62
4-Bromofluorobenzene
Concen: 54.716 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023016.D
Acq: 21 Jul 2025 10:39

Tgt Ion: 95 Resp: 271169

Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	170.8
176	81.4	0.0	163.6



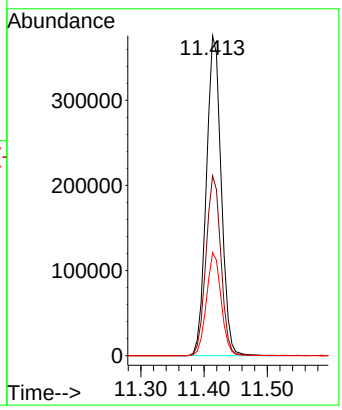


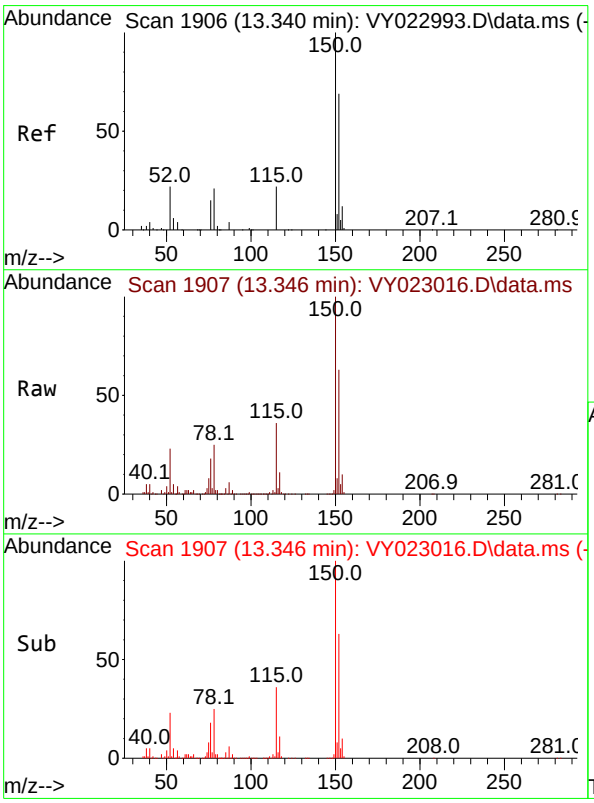
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023016.D
Acq: 21 Jul 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBL01

Tgt Ion:117 Resp: 615563

Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.3	66.5
119	32.2	25.8	38.8

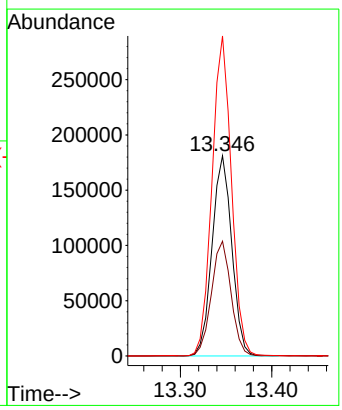




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023016.D
Acq: 21 Jul 2025 10:39

Tgt Ion:152 Resp: 271493

Ion	Ratio	Lower	Upper
152	100		
115	57.2	29.4	88.2
150	157.4	0.0	350.0



LSC Area Percent Report

Sample Results: **VY023016.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023016.D
Acq On : 21 Jul 2025 10:39
Operator : SY/MD
Sample : VY0721SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBL01

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_Y\methods\82Y071825S.M
Title : SW846 8260

Signal : TIC: VY023016.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	29	rVB	32926	51451	2.55%	0.387%
2	2.171	69	74	79	rBV2	25343	40174	1.99%	0.302%
3	2.836	178	183	193	rVB3	22057	47202	2.34%	0.355%
4	3.177	232	239	253	rVB	36546	90069	4.47%	0.677%
5	4.616	464	475	490	rBV6	16570	65963	3.27%	0.496%
6	5.451	602	612	626	rBV6	7521	27358	1.36%	0.206%
7	5.640	631	643	655	rVB5	5985	20796	1.03%	0.156%
8	6.890	837	848	861	rBV	108073	372397	18.46%	2.801%
9	7.634	960	970	976	rBV2	269921	662544	32.84%	4.983%
10	7.707	976	982	1000	rVB	433459	997697	49.46%	7.503%
11	8.054	1025	1039	1054	rBV2	387594	1229677	60.96%	9.248%
12	8.615	1122	1131	1146	rBV	751852	1472657	73.01%	11.075%
13	10.109	1368	1376	1384	rBV	1145176	2017185	100.00%	15.170%
14	10.511	1434	1442	1449	rBV	195710	364257	18.06%	2.739%
15	10.877	1490	1502	1513	rBV	102506	199778	9.90%	1.502%
16	10.968	1513	1517	1524	rVB5	11806	23146	1.15%	0.174%
17	11.249	1557	1563	1573	rVB2	35175	64014	3.17%	0.481%
18	11.413	1582	1590	1602	rBV	1178539	1941158	96.23%	14.598%
19	11.627	1619	1625	1636	rVB2	15292	33617	1.67%	0.253%
20	11.956	1672	1679	1688	rBV4	10237	24027	1.19%	0.181%
21	12.255	1720	1728	1736	rBV2	31377	57222	2.84%	0.430%
22	12.407	1746	1753	1762	rBV2	978601	1562559	77.46%	11.751%
23	12.743	1802	1808	1812	rVV4	15241	36100	1.79%	0.271%
24	12.816	1816	1820	1826	rVB5	11088	20181	1.00%	0.152%
25	13.175	1872	1879	1888	rBV5	7826	20774	1.03%	0.156%
26	13.291	1888	1898	1901	rBV4	17931	38247	1.90%	0.288%
27	13.346	1901	1907	1924	rVB	1123619	1724067	85.47%	12.966%
28	13.883	1990	1995	2001	rVB2	15416	24645	1.22%	0.185%
29	14.919	2157	2165	2170	rBV2	14757	22018	1.09%	0.166%
30	15.218	2207	2214	2220	rBV2	12601	21469	1.06%	0.161%
31	15.327	2225	2232	2238	rVB3	12733	24691	1.22%	0.186%

Sum of corrected areas: 13297140

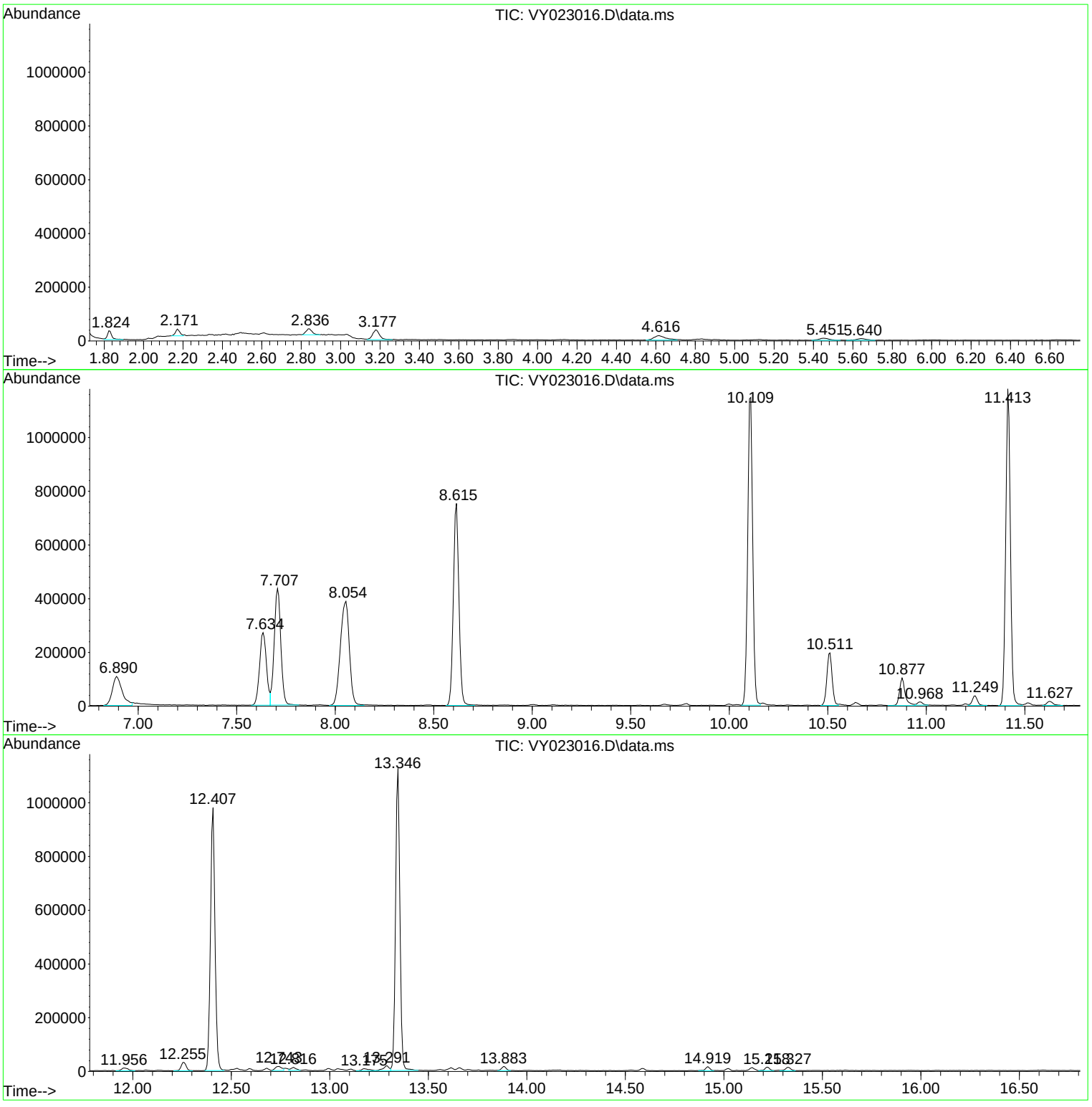
Sample Results: **VY023016.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023016.D
Acq On : 21 Jul 2025 10:39
Operator : SY/MD
Sample : VY0721SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023016.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023016.D
Acq On : 21 Jul 2025 10:39
Operator : SY/MD
Sample : VY0721SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.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_Y\Data\VY072125\
Data File : VY023016.D
Acq On : 21 Jul 2025 10:39
Operator : SY/MD
Sample : VY0721SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.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: **VY023040.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0722SBL01	SDG No.:	Q2651
Lab Sample ID:	VY0722SBL01	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
VY023040.D	1	07/22/25 12:47	VY072225

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: **VY023040.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0722SBL01	SDG No.:	Q2651
Lab Sample ID:	VY0722SBL01	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
VY023040.D	1	07/22/25 12:47	VY072225

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	59.4		63 - 155	119%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.1		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		17 - 146	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287000	7.713			
540-36-3	1,4-Difluorobenzene	555000	8.615			
3114-55-4	Chlorobenzene-d5	566000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	245000	13.346			

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0722SBL01	SDG No.:	Q2651
Lab Sample ID:	VY0722SBL01	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
VY023040.D	1	07/22/25 12:47	VY072225

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_Y\Data\VY072225\
Data File : VY023040.D
Acq On : 22 Jul 2025 12:47
Operator : SY/MD
Sample : VY0722SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

Quant Time: Jul 23 02:01:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	287011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	554548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	566307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	172608	59.407	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.820%			
35) Dibromofluoromethane	7.634	113	180967	51.445	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.880%			
50) Toluene-d8	10.109	98	684309	49.055	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.100%			
62) 4-Bromofluorobenzene	12.407	95	246433	56.120	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.240%			

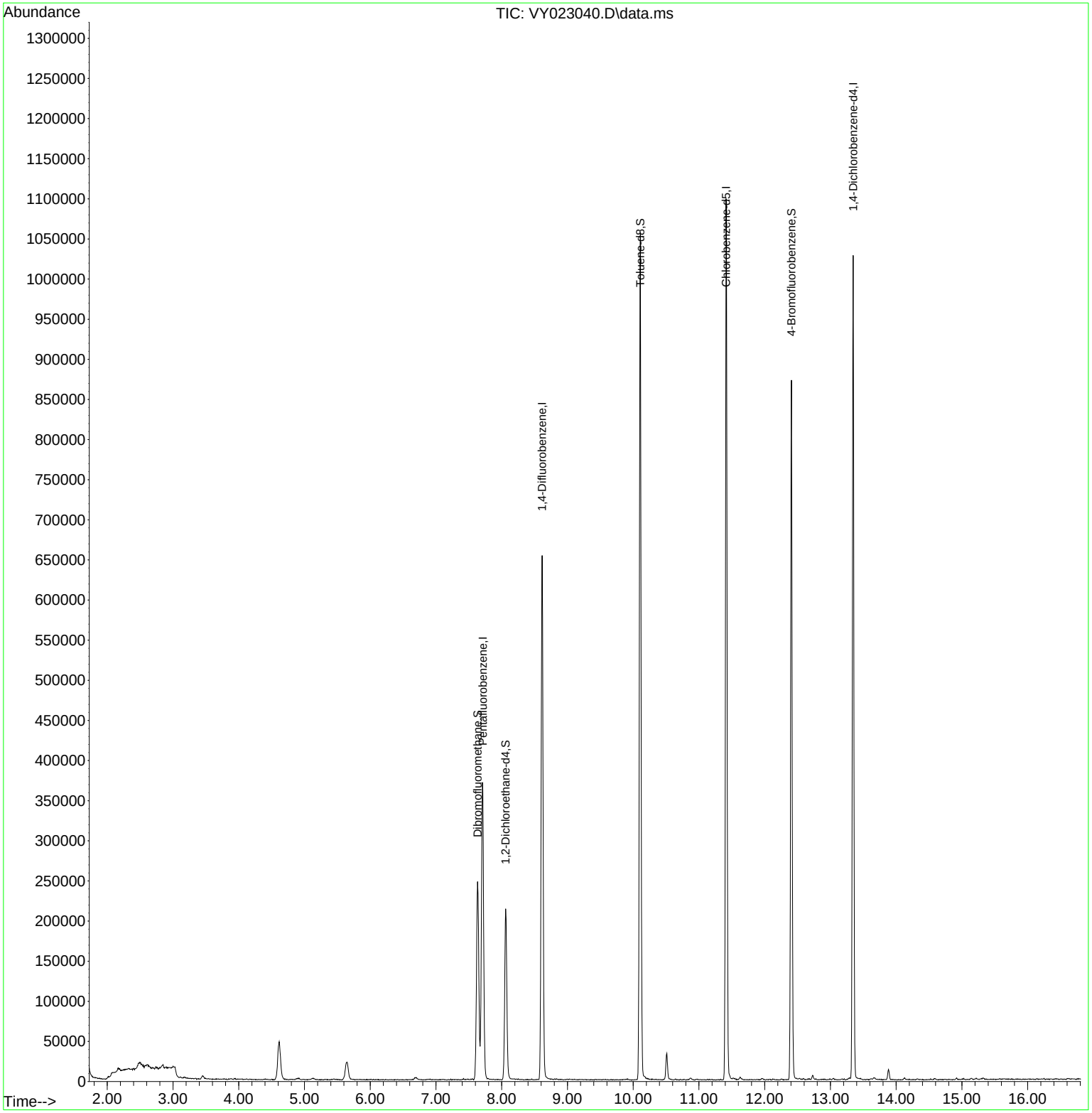
Target Compounds Qvalue

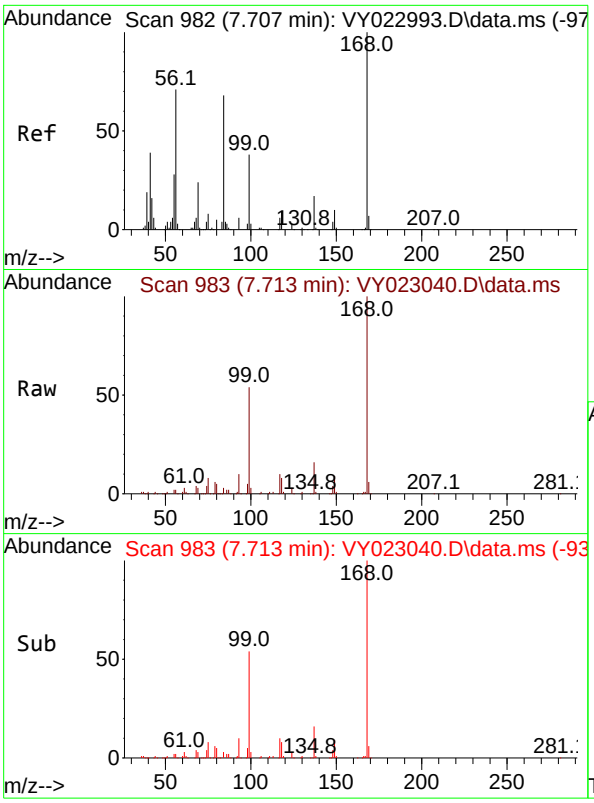
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023040.D
Acq On : 22 Jul 2025 12:47
Operator : SY/MD
Sample : VY0722SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

Quant Time: Jul 23 02:01:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration



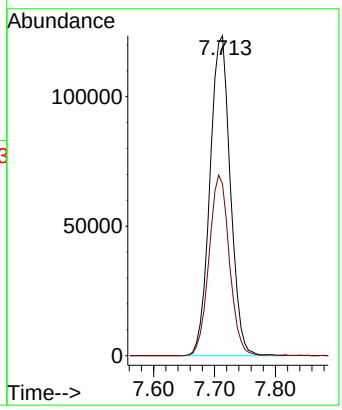


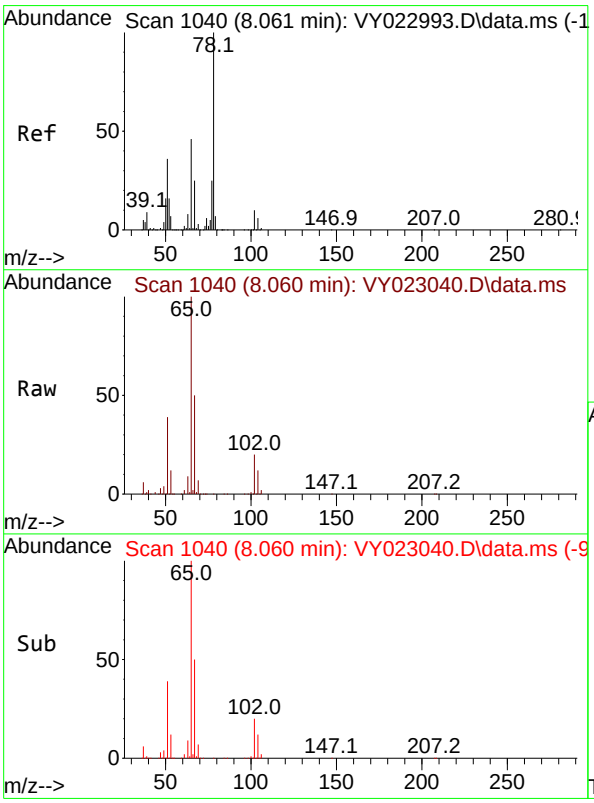
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

Tgt Ion:168 Resp: 287011

Ion	Ratio	Lower	Upper
168	100		
99	53.6	44.4	66.6

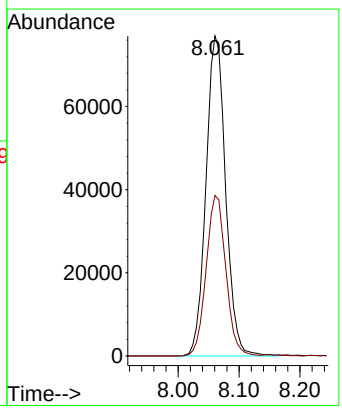


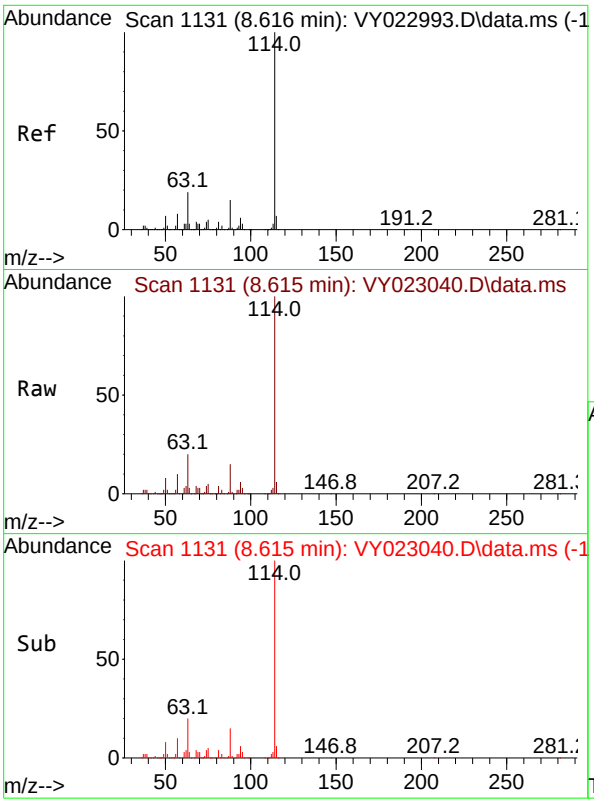


#33
1,2-Dichloroethane-d4
Concen: 59.407 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Tgt Ion: 65 Resp: 172608

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	107.4



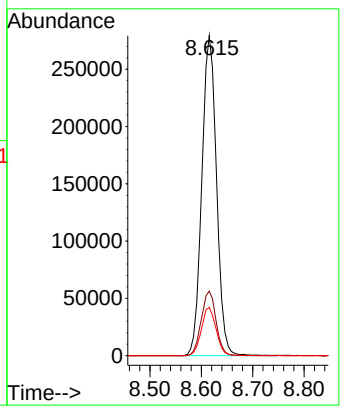


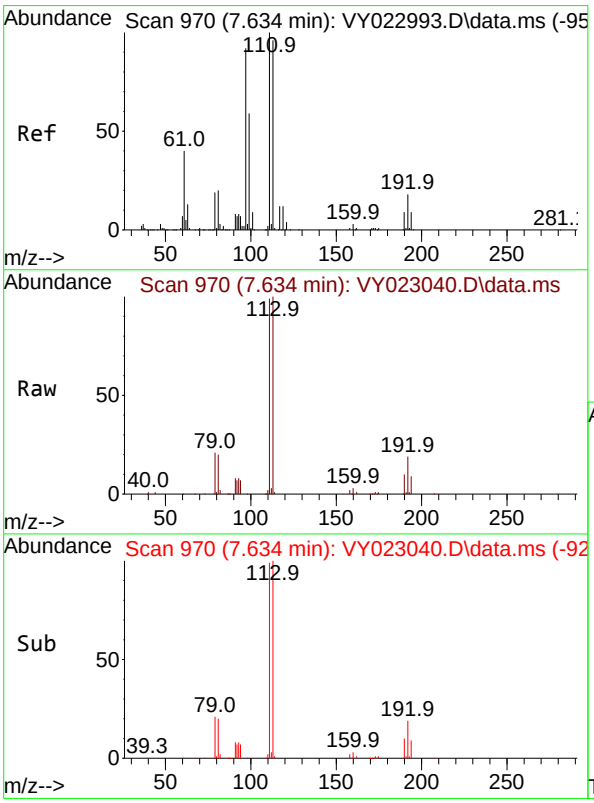
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

Tgt Ion:114 Resp: 554548

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	38.8
88	15.1	0.0	30.2

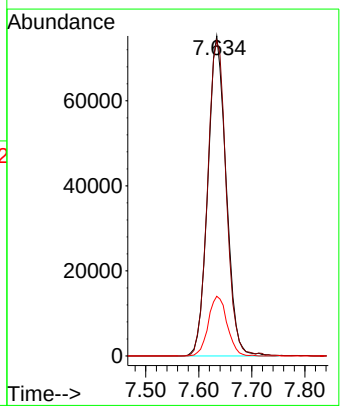


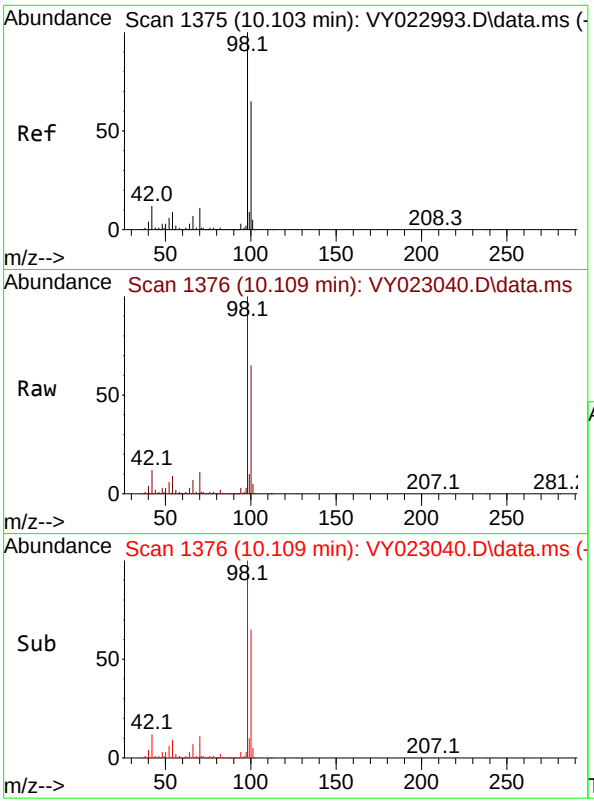


#35
Dibromofluoromethane
Concen: 51.445 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Tgt Ion:113 Resp: 180967

Ion	Ratio	Lower	Upper
113	100		
111	100.1	83.2	124.8
192	19.2	15.3	22.9



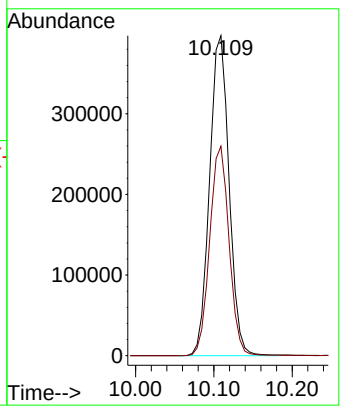


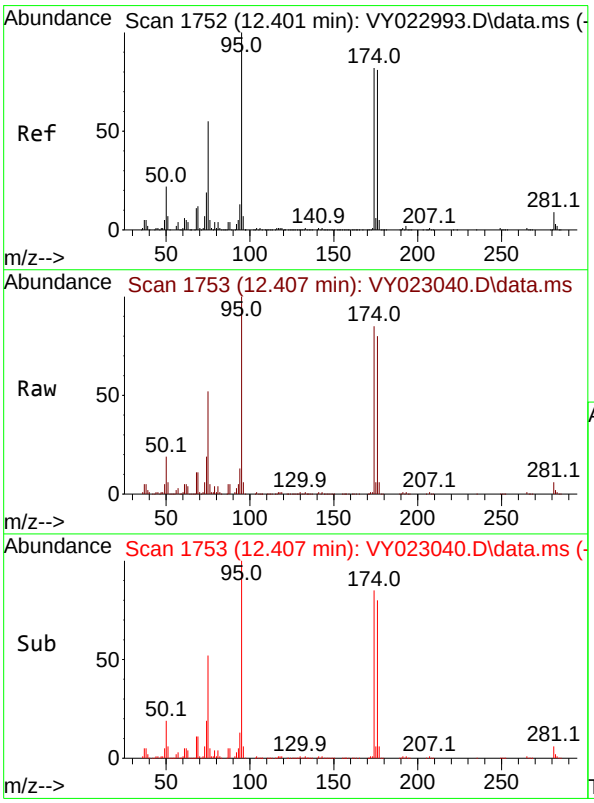
#50
Toluene-d8
Concen: 49.055 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

Tgt Ion: 98 Resp: 684309

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2

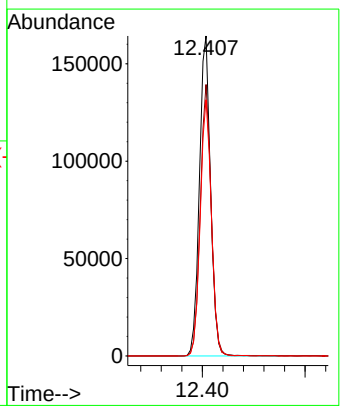


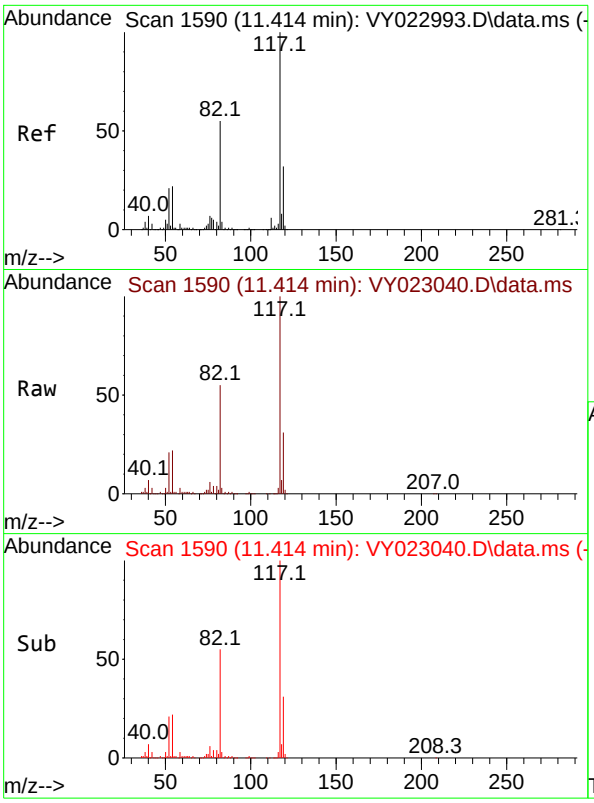


#62
4-Bromofluorobenzene
Concen: 56.120 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Tgt Ion: 95 Resp: 246433

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	170.8
176	80.1	0.0	163.6



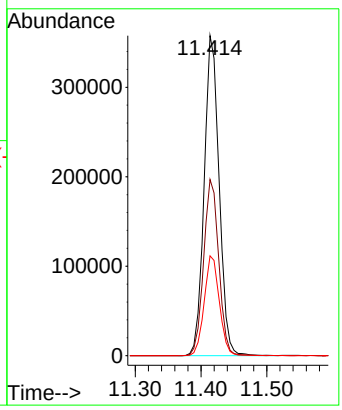


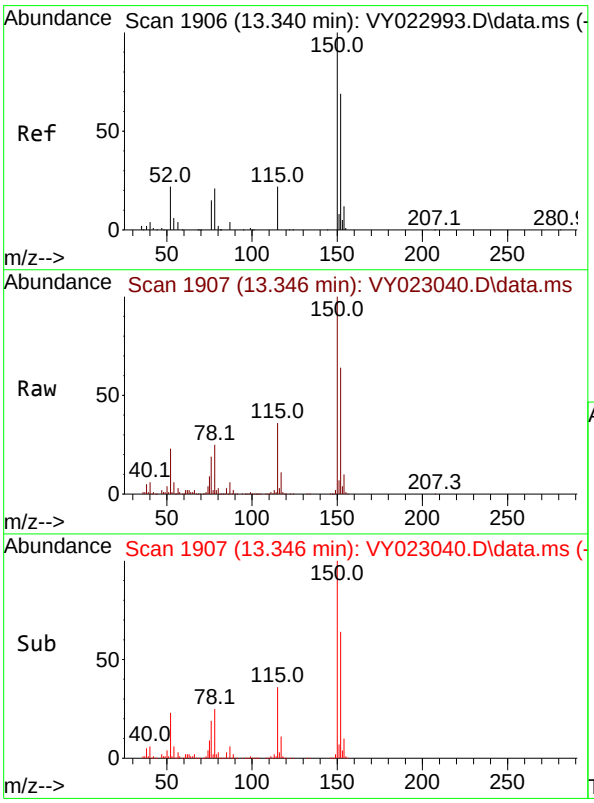
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

Tgt Ion:117 Resp: 566307

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.3	66.5
119	31.2	25.8	38.8

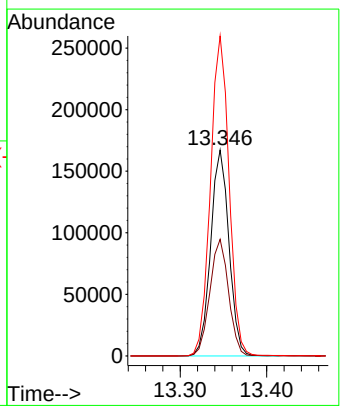




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Tgt Ion:152 Resp: 245159

Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.4	88.2
150	158.1	0.0	350.0



Sample Results: **VY023040.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023040.D
Acq On : 22 Jul 2025 12:47
Operator : SY/MD
Sample : VY0722SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

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_Y\methods\82Y071825S.M
Title : SW846 8260

Signal : TIC: VY023040.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	464	475	488	rVB	47079	143480	7.79%	1.422%
2	5.646	631	644	653	rBV4	22283	74514	4.05%	0.739%
3	7.634	960	970	976	rBV	247065	602698	32.72%	5.973%
4	7.707	976	982	994	rVB	369782	865126	46.97%	8.574%
5	8.061	1031	1040	1053	rBV	213371	484793	26.32%	4.805%
6	8.615	1122	1131	1146	rBV	653103	1311977	71.23%	13.003%
7	10.109	1368	1376	1389	rBV	1055808	1841799	100.00%	18.254%
8	10.511	1435	1442	1448	rBV	32615	58656	3.18%	0.581%
9	11.414	1581	1590	1605	rBV	1098209	1768310	96.01%	17.526%
10	12.407	1745	1753	1764	rBV	871898	1379637	74.91%	13.674%
11	13.346	1900	1907	1916	rBV	1025699	1537793	83.49%	15.241%
12	13.883	1990	1995	2000	rBV2	12655	21025	1.14%	0.208%

Sum of corrected areas: 10089808

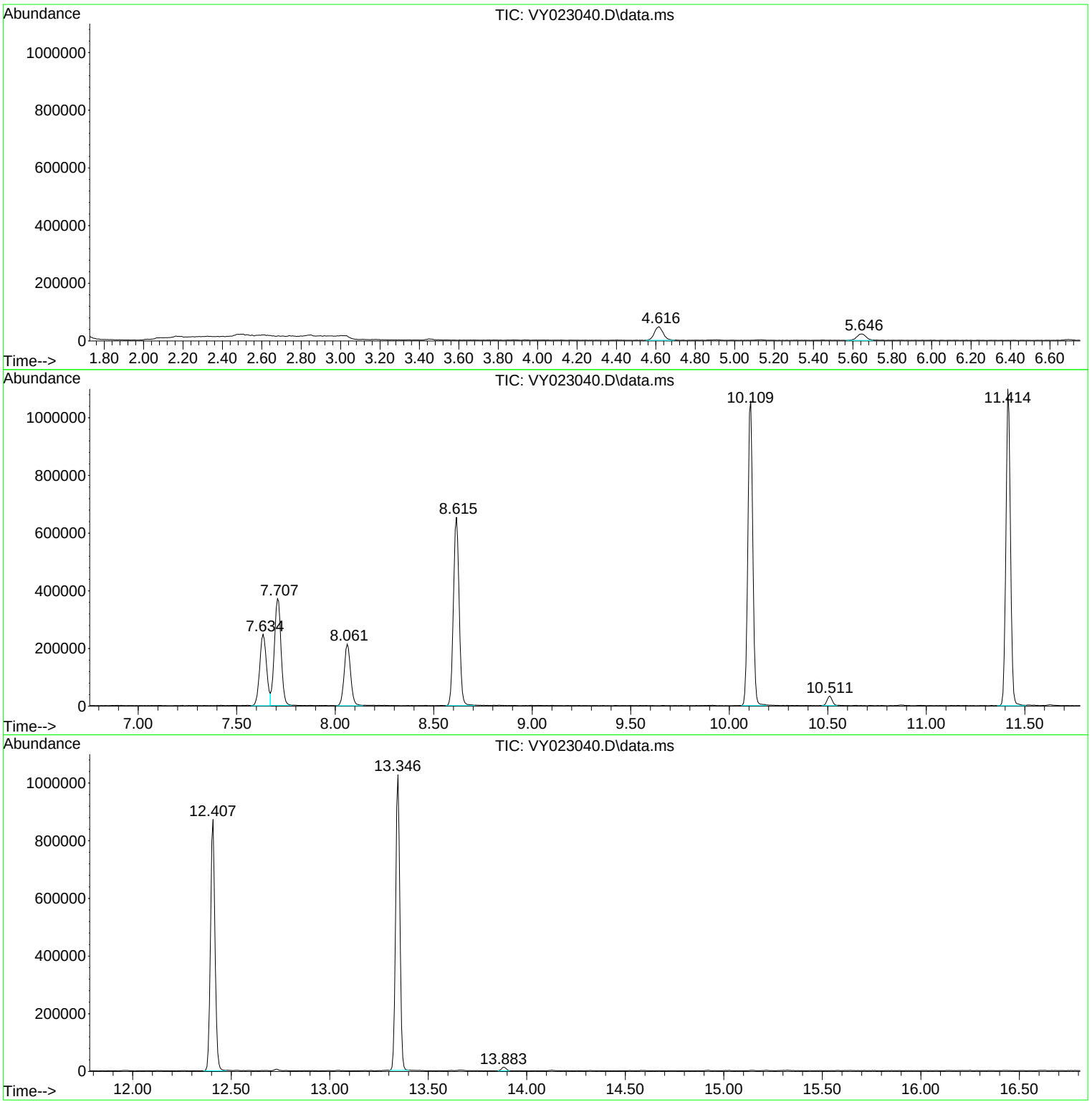
Sample Results: **VY023040.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023040.D
Acq On : 22 Jul 2025 12:47
Operator : SY/MD
Sample : VY0722SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023040.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023040.D
Acq On : 22 Jul 2025 12:47
Operator : SY/MD
Sample : VY0722SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.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_Y\Data\VY072225\
Data File : VY023040.D
Acq On : 22 Jul 2025 12:47
Operator : SY/MD
Sample : VY0722SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.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: **VY023017.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0721SBS01	SDG No.:	Q2651
Lab Sample ID:	VY0721SBS01	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
VY023017.D	1	07/21/25 11:13	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	24.3		1.10	5.00	ug/Kg
75-00-3	Chloroethane	22.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.1		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.2		1.00	5.00	ug/Kg
67-64-1	Acetone	150		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.9		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.2		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.9		0.79	5.00	ug/Kg
78-93-3	2-Butanone	130		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.4		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.8		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	18.8		0.91	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.4		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	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0721SBS01	SDG No.:	Q2651
Lab Sample ID:	VY0721SBS01	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
VY023017.D	1	07/21/25 11:13	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.8		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	120		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.0		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	38.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.5		0.82	5.00	ug/Kg
100-42-5	Styrene	19.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.6		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.2		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.0		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.6		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	23.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	47.6		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		17 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	417000	7.707			
540-36-3	1,4-Difluorobenzene	691000	8.616			
3114-55-4	Chlorobenzene-d5	586000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	284000	13.346			

Raw Data: **VY023017.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0721SBS01	SDG No.:	Q2651
Lab Sample ID:	VY0721SBS01	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
VY023017.D	1	07/21/25 11:13	VY072125

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_Y\Data\VY072125\
Data File : VY023017.D
Acq On : 21 Jul 2025 11:13
Operator : SY/MD
Sample : VY0721SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 22 04:47:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	417337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	691452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	586317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	283751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	219889	52.047	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.100%			
35) Dibromofluoromethane	7.634	113	210938	48.092	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.180%			
50) Toluene-d8	10.103	98	827118	47.553	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.100%			
62) 4-Bromofluorobenzene	12.401	95	258332	47.182	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	70825	19.987	ug/l	96
3) Chloromethane	2.068	50	133065	22.084	ug/l	99
4) Vinyl Chloride	2.202	62	162134	21.239	ug/l	99
5) Bromomethane	2.592	94	134057	24.332	ug/l	99
6) Chloroethane	2.732	64	112975	22.159	ug/l	99
7) Trichlorofluoromethane	3.056	101	187057	21.109	ug/l	95
8) Diethyl Ether	3.452	74	50505	21.776	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	94675	20.338	ug/l	99
10) Methyl Iodide	4.007	142	86654	17.919	ug/l	99
11) Tert butyl alcohol	4.860	59	29742	116.404	ug/l	100
12) 1,1-Dichloroethene	3.787	96	89671	20.221	ug/l	97
13) Acrolein	3.653	56	18665	155.460	ug/l	95
14) Allyl chloride	4.378	41	139366	20.628	ug/l	99
15) Acrylonitrile	5.055	53	103105	117.367	ug/l	100
16) Acetone	3.872	43	113819	148.622	ug/l	100
17) Carbon Disulfide	4.104	76	280632	20.880	ug/l	99
18) Methyl Acetate	4.385	43	57135	22.037	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	233203	21.924	ug/l	98
20) Methylene Chloride	4.616	84	135775	20.247	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	101510	20.564	ug/l	97
22) Diisopropyl ether	6.018	45	309021	21.560	ug/l	98
23) Vinyl Acetate	5.957	43	826708	114.473	ug/l	100
24) 1,1-Dichloroethane	5.915	63	186822	20.752	ug/l	99
25) 2-Butanone	6.890	43	143739	130.833	ug/l	99
26) 2,2-Dichloropropane	6.884	77	161660	20.489	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	116165	20.419	ug/l	99
28) Bromochloromethane	7.244	49	75745	21.693	ug/l	96
29) Tetrahydrofuran	7.262	42	81464	117.116	ug/l	100
30) Chloroform	7.421	83	189111	20.824	ug/l	95
31) Cyclohexane	7.701	56	167294	19.888	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	166781	20.240	ug/l	99
36) 1,1-Dichloropropene	7.835	75	136134	19.704	ug/l	99
37) Ethyl Acetate	6.988	43	58625	22.847	ug/l	99
38) Carbon Tetrachloride	7.817	117	148433	19.775	ug/l	98
39) Methylcyclohexane	9.109	83	167760	18.760	ug/l	98
40) Benzene	8.079	78	418020	20.095	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023017.D
Acq On : 21 Jul 2025 11:13
Operator : SY/MD
Sample : VY0721SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 22 04:47:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	30580m	21.877	ug/l		
42) 1,2-Dichloroethane	8.158	62	111901	21.622	ug/l		99
43) Isopropyl Acetate	8.195	43	114470	22.459	ug/l	#	86
44) Trichloroethene	8.865	130	103444	19.361	ug/l		97
45) 1,2-Dichloropropane	9.140	63	98991	20.378	ug/l		97
46) Dibromomethane	9.231	93	54493	21.702	ug/l		99
47) Bromodichloromethane	9.420	83	142773	20.570	ug/l		98
48) Methyl methacrylate	9.219	41	54690	22.225	ug/l		99
49) 1,4-Dioxane	9.225	88	12190	460.562	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	296911	114.770	ug/l		99
52) Toluene	10.170	92	258346	19.975	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	123664	20.756	ug/l		95
54) cis-1,3-Dichloropropene	9.853	75	150566	20.967	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	70181	21.265	ug/l		96
56) Ethyl methacrylate	10.438	69	88261	21.424	ug/l		98
57) 1,3-Dichloropropane	10.713	76	121849	21.373	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	197528	97.947	ug/l		98
59) 2-Hexanone	10.761	43	204354	120.174	ug/l		99
60) Dibromochloromethane	10.908	129	90494	20.940	ug/l		98
61) 1,2-Dibromoethane	11.011	107	64686	21.584	ug/l		98
64) Tetrachloroethene	10.646	164	115530	19.278	ug/l		94
65) Chlorobenzene	11.438	112	276316	19.972	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	92315	19.563	ug/l		99
67) Ethyl Benzene	11.517	91	472954	19.286	ug/l		100
68) m/p-Xylenes	11.627	106	365243	38.830	ug/l		99
69) o-Xylene	11.950	106	169844	19.457	ug/l		100
70) Styrene	11.969	104	276934	19.367	ug/l		99
71) Bromoform	12.133	173	51038	21.305	ug/l	#	99
73) Isopropylbenzene	12.255	105	447600	18.606	ug/l		99
74) N-amyl acetate	12.066	43	95827	21.128	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	73937	21.238	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	64760m	18.316	ug/l		
77) Bromobenzene	12.529	156	100323	19.228	ug/l		100
78) n-propylbenzene	12.590	91	545094	19.027	ug/l		99
79) 2-Chlorotoluene	12.676	91	306395	19.016	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	357988	18.868	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	24013	20.228	ug/l		98
82) 4-Chlorotoluene	12.773	91	310771	19.124	ug/l		99
83) tert-Butylbenzene	12.993	119	319915	18.666	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	351737	18.832	ug/l		99
85) sec-Butylbenzene	13.170	105	480603	18.712	ug/l		100
86) p-Isopropyltoluene	13.292	119	392976	18.839	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	200360	19.028	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	199817	19.616	ug/l		99
89) n-Butylbenzene	13.615	91	366638	19.048	ug/l		99
90) Hexachloroethane	13.877	117	80981	18.751	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	169075	19.036	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12015	23.243	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	93870	20.050	ug/l		99
94) Hexachlorobutadiene	15.023	225	55300	18.735	ug/l		99
95) Naphthalene	15.139	128	156400	20.828	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	79873	20.662	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023017.D
Acq On : 21 Jul 2025 11:13
Operator : SY/MD
Sample : VY0721SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Quant Time: Jul 22 04:47:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

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

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

Sample Results: **VY023017.D**

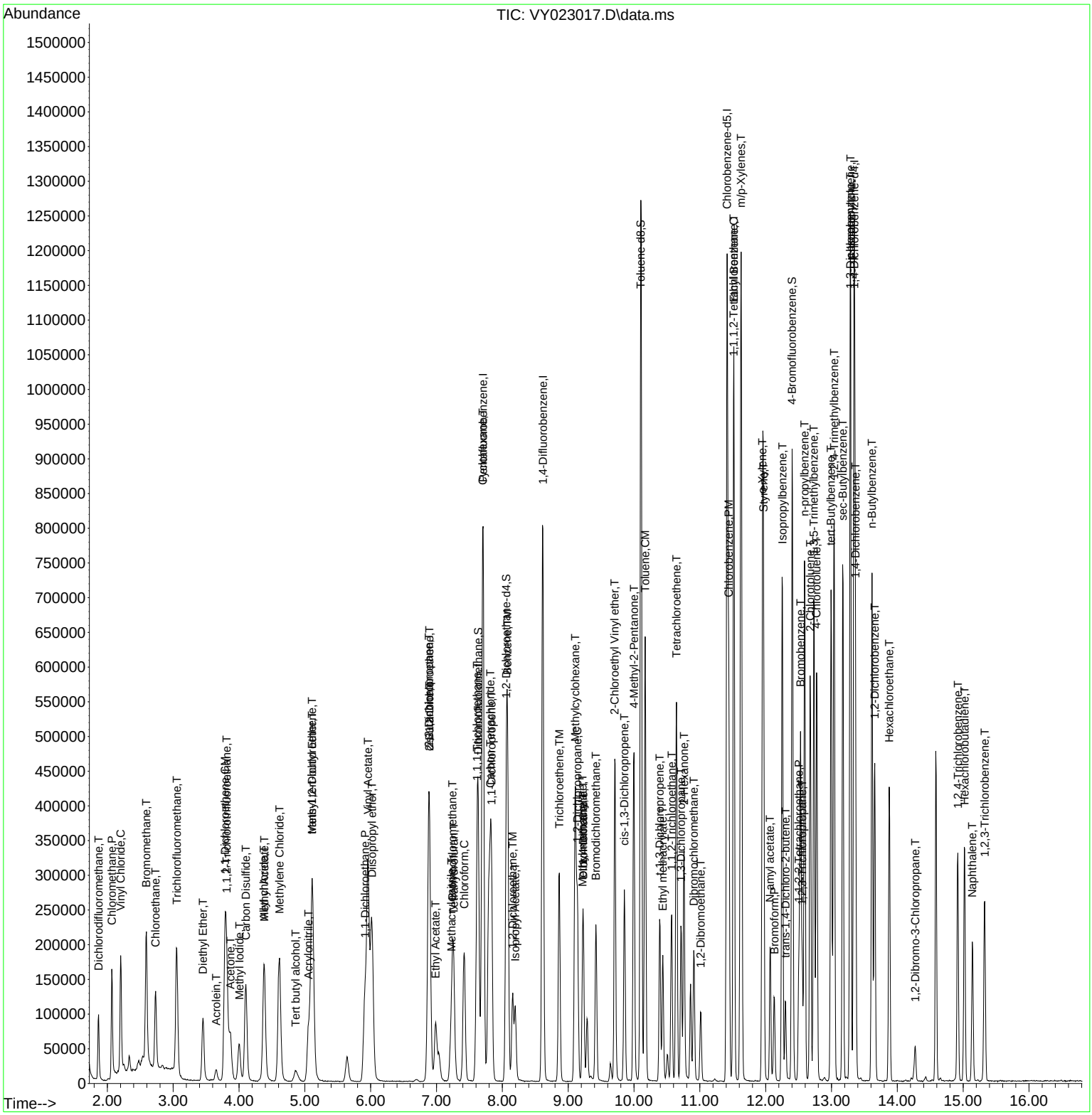
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023017.D
Acq On : 21 Jul 2025 11:13
Operator : SY/MD
Sample : VY0721SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 22 04:47:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025



Raw Data: **VY023041.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0722SBS01	SDG No.:	Q2651
Lab Sample ID:	VY0722SBS01	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
VY023041.D	1	07/22/25 13:15	VY072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.4		0.79	5.00	ug/Kg
74-83-9	Bromomethane	24.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	22.6		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.8		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.7		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.0		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.6		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.0		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.2		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	19.2		0.91	5.00	ug/Kg
71-43-2	Benzene	20.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.4		0.78	5.00	ug/Kg

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0722SBS01	SDG No.:	Q2651
Lab Sample ID:	VY0722SBS01	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
VY023041.D	1	07/22/25 13:15	VY072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.5		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.0		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.3		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.5		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	39.1		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.2		0.82	5.00	ug/Kg
100-42-5	Styrene	19.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.7		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.0		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	19.3		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	21.6		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	19.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	47.7		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		17 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	376000	7.707			
540-36-3	1,4-Difluorobenzene	614000	8.616			
3114-55-4	Chlorobenzene-d5	527000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	249000	13.346			

Raw Data: **VY023041.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0722SBS01	SDG No.:	Q2651
Lab Sample ID:	VY0722SBS01	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
VY023041.D	1	07/22/25 13:15	VY072225

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_Y\Data\VY072225\
Data File : VY023041.D
Acq On : 22 Jul 2025 13:15
Operator : SY/MD
Sample : VY0722SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
Supervised By :Semsettin Yesilyurt 07/23/2025

Quant Time: Jul 23 02:02:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	375622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	613647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	526729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	248731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	197300	51.886	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.780%			
35) Dibromofluoromethane	7.634	113	187477	48.163	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.320%			
50) Toluene-d8	10.103	98	735834	47.668	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.340%			
62) 4-Bromofluorobenzene	12.401	95	224716	46.246	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	64625	20.262	ug/l	99
3) Chloromethane	2.068	50	120365	22.194	ug/l	96
4) Vinyl Chloride	2.202	62	147035	21.400	ug/l	99
5) Bromomethane	2.592	94	122113	24.626	ug/l	96
6) Chloroethane	2.732	64	103503	22.556	ug/l	99
7) Trichlorofluoromethane	3.056	101	169502	21.252	ug/l	99
8) Diethyl Ether	3.458	74	44818	21.470	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	85113	20.314	ug/l	100
10) Methyl Iodide	4.000	142	80838	18.572	ug/l	100
11) Tert butyl alcohol	4.866	59	23401	101.758	ug/l #	91
12) 1,1-Dichloroethene	3.787	96	78947	19.780	ug/l	96
13) Acrolein	3.653	56	15631	144.648	ug/l	99
14) Allyl chloride	4.385	41	121823	20.034	ug/l	98
15) Acrylonitrile	5.061	53	87584	110.772	ug/l	100
16) Acetone	3.866	43	73897	107.209	ug/l	94
17) Carbon Disulfide	4.104	76	248249	20.522	ug/l	99
18) Methyl Acetate	4.385	43	48142	20.630	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	198573	20.742	ug/l	98
20) Methylene Chloride	4.610	84	121148	19.986	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	90038	20.265	ug/l	98
22) Diisopropyl ether	6.018	45	273264	21.183	ug/l	99
23) Vinyl Acetate	5.957	43	710980	109.381	ug/l	100
24) 1,1-Dichloroethane	5.909	63	169906	20.969	ug/l	99
25) 2-Butanone	6.890	43	106307	107.508	ug/l	99
26) 2,2-Dichloropropane	6.878	77	140716	19.816	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	102264	19.972	ug/l	98
28) Bromochloromethane	7.244	49	68164	21.690	ug/l	94
29) Tetrahydrofuran	7.262	42	70116	111.997	ug/l	98
30) Chloroform	7.421	83	173643	21.244	ug/l	96
31) Cyclohexane	7.701	56	148601	19.628	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	149833	20.203	ug/l	98
36) 1,1-Dichloropropene	7.835	75	121412	19.801	ug/l	98
37) Ethyl Acetate	6.982	43	49937	21.929	ug/l	98
38) Carbon Tetrachloride	7.817	117	131284	19.708	ug/l	99
39) Methylcyclohexane	9.109	83	152114	19.167	ug/l	96
40) Benzene	8.079	78	376219	20.379	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023041.D
Acq On : 22 Jul 2025 13:15
Operator : SY/MD
Sample : VY0722SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 23 02:02:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
Supervised By :Semsettin Yesilyurt 07/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	25088	20.224	ug/l		95
42) 1,2-Dichloroethane	8.158	62	100697	21.924	ug/l		100
43) Isopropyl Acetate	8.195	43	96290	21.287	ug/l	#	86
44) Trichloroethene	8.865	130	92271	19.459	ug/l		99
45) 1,2-Dichloropropane	9.140	63	89804	20.830	ug/l		94
46) Dibromomethane	9.231	93	47257	21.207	ug/l		98
47) Bromodichloromethane	9.420	83	128012	20.782	ug/l		98
48) Methyl methacrylate	9.219	41	47074	21.556	ug/l		99
49) 1,4-Dioxane	9.231	88	10019	426.533	ug/l		88
51) 4-Methyl-2-Pentanone	9.999	43	246169	107.221	ug/l		99
52) Toluene	10.170	92	233838	20.373	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	108625	20.543	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	130824	20.527	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	63504	21.682	ug/l		98
56) Ethyl methacrylate	10.438	69	74103	20.268	ug/l		99
57) 1,3-Dichloropropane	10.713	76	108066	21.359	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	186783	104.362	ug/l		98
59) 2-Hexanone	10.761	43	158231	104.848	ug/l		99
60) Dibromochloromethane	10.908	129	80404	20.964	ug/l		100
61) 1,2-Dibromoethane	11.011	107	56754	21.338	ug/l		100
64) Tetrachloroethene	10.646	164	106921	19.859	ug/l		96
65) Chlorobenzene	11.438	112	242556	19.515	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	83368	19.665	ug/l		100
67) Ethyl Benzene	11.517	91	424937	19.288	ug/l		100
68) m/p-Xylenes	11.627	106	330122	39.067	ug/l		100
69) o-Xylene	11.950	106	150342	19.171	ug/l		98
70) Styrene	11.969	104	249690	19.438	ug/l		100
71) Bromoform	12.127	173	44325	20.596	ug/l	#	99
73) Isopropylbenzene	12.255	105	394370	18.701	ug/l		100
74) N-amyl acetate	12.066	43	80058	20.136	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	61012	19.993	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	63735m	20.564	ug/l		
77) Bromobenzene	12.529	156	88481	19.346	ug/l		99
78) n-propylbenzene	12.590	91	483609	19.258	ug/l		100
79) 2-Chlorotoluene	12.676	91	273314	19.351	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	317558	19.093	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	20628	19.823	ug/l		99
82) 4-Chlorotoluene	12.773	91	274300	19.256	ug/l		100
83) tert-Butylbenzene	12.993	119	289452	19.267	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	314405	19.204	ug/l		99
85) sec-Butylbenzene	13.170	105	428098	19.015	ug/l		99
86) p-Isopropyltoluene	13.291	119	343222	18.771	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	177956	19.280	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	171979	19.260	ug/l		99
89) n-Butylbenzene	13.615	91	319430	18.932	ug/l		99
90) Hexachloroethane	13.877	117	74116	19.578	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	151648	19.478	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9806	21.641	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	77286	18.832	ug/l		99
94) Hexachlorobutadiene	15.017	225	48706	18.825	ug/l		99
95) Naphthalene	15.139	128	125407	19.052	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	65763	19.407	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023041.D
Acq On : 22 Jul 2025 13:15
Operator : SY/MD
Sample : VY0722SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
Supervised By :Semsettin Yesilyurt 07/23/2025

Quant Time: Jul 23 02:02:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

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

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

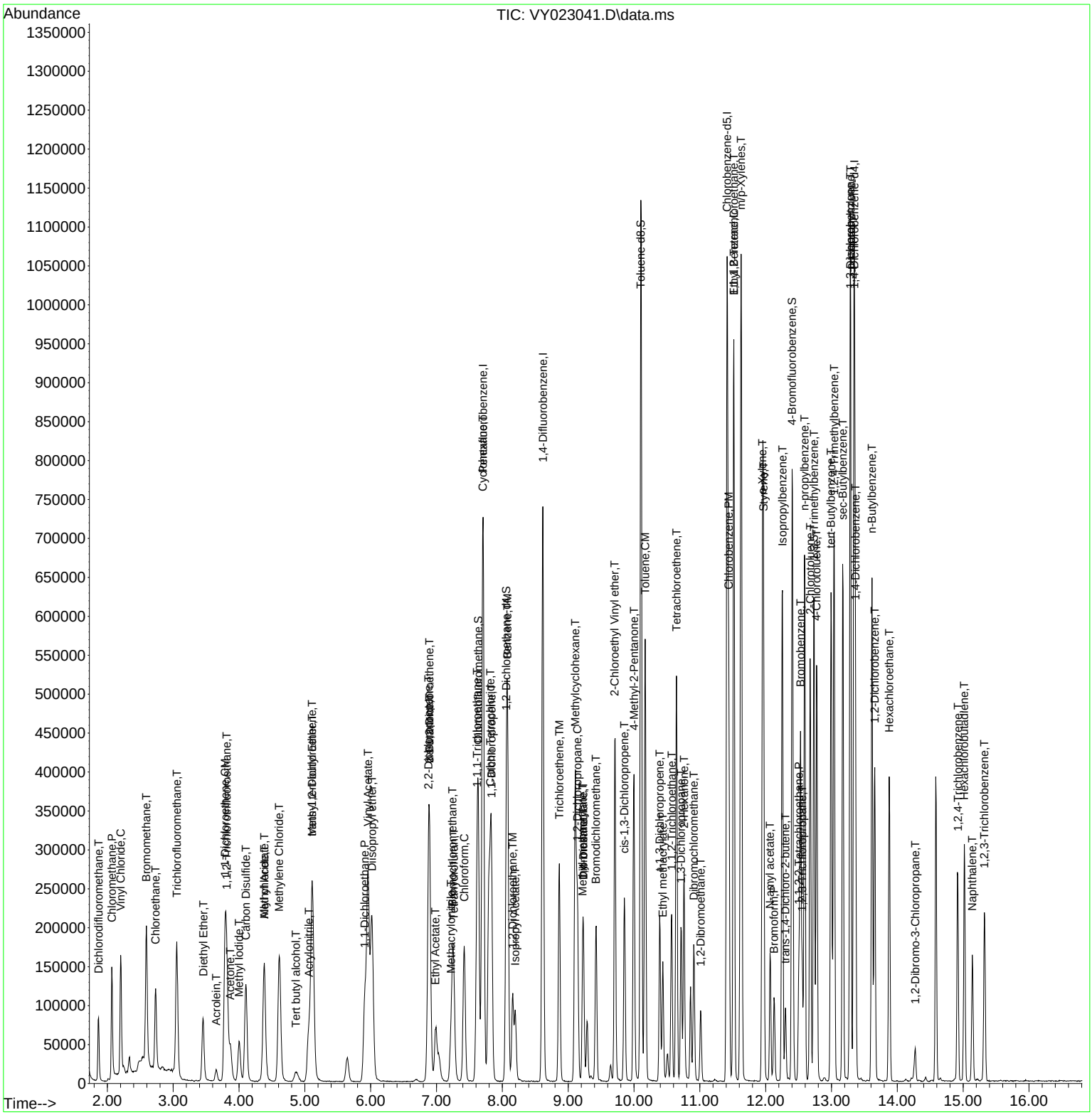
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023041.D
Acq On : 22 Jul 2025 13:15
Operator : SY/MD
Sample : VY0722SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 23 02:02:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
Supervised By :Semsettin Yesilyurt 07/23/2025



Raw Data: **VY023018.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0721SBSD01	SDG No.:	Q2651
Lab Sample ID:	VY0721SBSD01	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
VY023018.D	1	07/21/25 11:36	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.0		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	24.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	22.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.6		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.6		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.1		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.1		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.6		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.5		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.4		0.91	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.1		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	19.8		0.78	5.00	ug/Kg

Raw Data: **VY023018.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0721SBSD01	SDG No.:	Q2651
Lab Sample ID:	VY0721SBSD01	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
VY023018.D	1	07/21/25 11:36	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.4		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	17.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.0		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.2		0.82	5.00	ug/Kg
100-42-5	Styrene	19.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.0		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.2		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.6		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.0		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	47.2		74 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		17 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	422000	7.707			
540-36-3	1,4-Difluorobenzene	702000	8.616			
3114-55-4	Chlorobenzene-d5	590000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	279000	13.34			

Raw Data: **VY023018.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	VY0721SBSD01	SDG No.:	Q2651
Lab Sample ID:	VY0721SBSD01	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
VY023018.D	1	07/21/25 11:36	VY072125

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_Y\Data\VY072125\
Data File : VY023018.D
Acq On : 21 Jul 2025 11:36
Operator : SY/MD
Sample : VY0721SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 04:48:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	421718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	701669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	590112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	278637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	215569	50.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.980%			
35) Dibromofluoromethane	7.634	113	212929	47.839	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.680%			
50) Toluene-d8	10.103	98	833649	47.230	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.460%			
62) 4-Bromofluorobenzene	12.401	95	254864	45.870	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	73646	20.567	ug/l	99
3) Chloromethane	2.068	50	134171	22.036	ug/l	99
4) Vinyl Chloride	2.202	62	171355	22.214	ug/l	99
5) Bromomethane	2.592	94	134352	24.132	ug/l	98
6) Chloroethane	2.732	64	114252	22.177	ug/l	96
7) Trichlorofluoromethane	3.056	101	193053	21.559	ug/l	98
8) Diethyl Ether	3.458	74	49327	21.047	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	97453	20.717	ug/l	98
10) Methyl Iodide	4.007	142	96160	19.678	ug/l	99
11) Tert butyl alcohol	4.866	59	27754	107.495	ug/l	96
12) 1,1-Dichloroethene	3.787	96	92298	20.597	ug/l	96
13) Acrolein	3.659	56	18258	150.490	ug/l	100
14) Allyl chloride	4.378	41	141040	20.659	ug/l	100
15) Acrylonitrile	5.061	53	94962	106.975	ug/l	100
16) Acetone	3.872	43	94087	121.580	ug/l	98
17) Carbon Disulfide	4.104	76	286478	21.094	ug/l	98
18) Methyl Acetate	4.391	43	56327	21.499	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	226552	21.078	ug/l	97
20) Methylene Chloride	4.616	84	138217	20.471	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	105018	21.053	ug/l	100
22) Diisopropyl ether	6.018	45	307028	21.199	ug/l	97
23) Vinyl Acetate	5.957	43	796609	109.159	ug/l	99
24) 1,1-Dichloroethane	5.915	63	188662	20.739	ug/l	99
25) 2-Butanone	6.896	43	128721	115.946	ug/l	100
26) 2,2-Dichloropropane	6.884	77	165426	20.749	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	119752	20.831	ug/l	99
28) Bromochloromethane	7.244	49	76365	21.643	ug/l	97
29) Tetrahydrofuran	7.268	42	78263	111.346	ug/l	99
30) Chloroform	7.421	83	191330	20.849	ug/l	97
31) Cyclohexane	7.701	56	170093	20.011	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	170957	20.531	ug/l	98
36) 1,1-Dichloropropene	7.835	75	140031	19.973	ug/l	99
37) Ethyl Acetate	6.988	43	53696	20.622	ug/l	99
38) Carbon Tetrachloride	7.817	117	150226	19.723	ug/l	96
39) Methylcyclohexane	9.109	83	176462	19.446	ug/l	99
40) Benzene	8.079	78	425961	20.179	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023018.D
Acq On : 21 Jul 2025 11:36
Operator : SY/MD
Sample : VY0721SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 04:48:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	31858	22.460	ug/l	#	88
42) 1,2-Dichloroethane	8.158	62	109621	20.873	ug/l		99
43) Isopropyl Acetate	8.195	43	107425	20.770	ug/l	#	88
44) Trichloroethene	8.859	130	104274	19.232	ug/l		98
45) 1,2-Dichloropropane	9.140	63	100649	20.417	ug/l		97
46) Dibromomethane	9.225	93	53231	20.891	ug/l		99
47) Bromodichloromethane	9.420	83	141545	20.096	ug/l		99
48) Methyl methacrylate	9.219	41	51494	20.622	ug/l		98
49) 1,4-Dioxane	9.225	88	11369	423.289	ug/l		92
51) 4-Methyl-2-Pentanone	9.993	43	279440	106.444	ug/l		99
52) Toluene	10.170	92	260141	19.821	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	121765	20.140	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	146756	20.138	ug/l		97
55) 1,1,2-Trichloroethane	10.566	97	68420	20.430	ug/l		98
56) Ethyl methacrylate	10.438	69	83906	20.070	ug/l		98
57) 1,3-Dichloropropane	10.713	76	118038	20.403	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	208502	101.883	ug/l		99
59) 2-Hexanone	10.755	43	190073	110.148	ug/l		99
60) Dibromochloromethane	10.908	129	89811	20.479	ug/l		99
61) 1,2-Dibromoethane	11.011	107	62586	20.579	ug/l		100
64) Tetrachloroethene	10.646	164	107463	17.816	ug/l		98
65) Chlorobenzene	11.438	112	278001	19.964	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	92977	19.576	ug/l		99
67) Ethyl Benzene	11.517	91	481329	19.501	ug/l		97
68) m/p-Xylenes	11.627	106	370931	39.181	ug/l		99
69) o-Xylene	11.950	106	168595	19.189	ug/l		98
70) Styrene	11.969	104	282132	19.604	ug/l		100
71) Bromoform	12.127	173	48047	19.927	ug/l	#	100
73) Isopropylbenzene	12.249	105	448907	19.003	ug/l		100
74) N-amyl acetate	12.066	43	91471	20.538	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	74386	21.759	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	60236m	17.349	ug/l		
77) Bromobenzene	12.529	156	98865	19.296	ug/l		98
78) n-propylbenzene	12.590	91	548378	19.493	ug/l		100
79) 2-Chlorotoluene	12.676	91	305812	19.328	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	362111	19.435	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	22663	19.441	ug/l		98
82) 4-Chlorotoluene	12.773	91	315940	19.799	ug/l		99
83) tert-Butylbenzene	12.993	119	317013	18.836	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	358240	19.533	ug/l		100
85) sec-Butylbenzene	13.170	105	487116	19.314	ug/l		99
86) p-Isopropyltoluene	13.285	119	392041	19.139	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	199016	19.247	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	196711	19.665	ug/l		99
89) n-Butylbenzene	13.615	91	368568	19.500	ug/l		99
90) Hexachloroethane	13.877	117	81594	19.240	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	170533	19.552	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11157	21.980	ug/l		92
93) 1,2,4-Trichlorobenzene	14.913	180	91783	19.964	ug/l		99
94) Hexachlorobutadiene	15.017	225	56084	19.350	ug/l		99
95) Naphthalene	15.139	128	149495	20.274	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	76032	20.029	ug/l		99

Sample Results: **VY023018.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023018.D
Acq On : 21 Jul 2025 11:36
Operator : SY/MD
Sample : VY0721SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 04:48:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

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

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

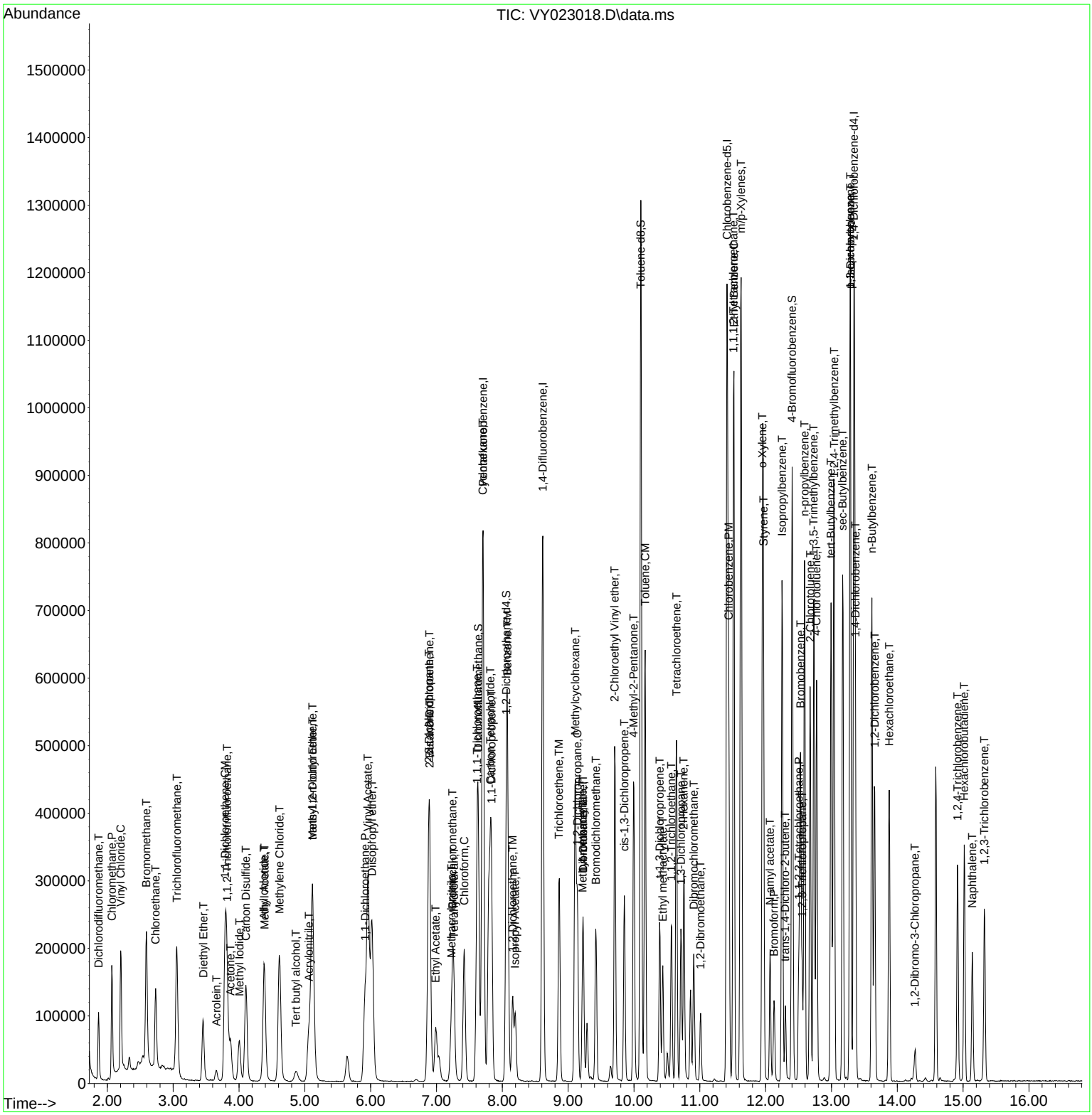
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023018.D
Acq On : 21 Jul 2025 11:36
Operator : SY/MD
Sample : VY0721SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 04:48:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025



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

Manual Integration Report

Sequence:	VY071825	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022990.D	1,2,3-Trichloropropane	MMDadoda	7/21/2025 1:57:14 PM	SAM	7/21/2025 2:10:04 PM	Peak Integrated by Software
VSTDICC005	VY022990.D	Ethyl Acetate	MMDadoda	7/21/2025 1:57:14 PM	SAM	7/21/2025 2:10:04 PM	Peak Integrated by Software
VSTDICC010	VY022991.D	1,2,3-Trichloropropane	MMDadoda	7/21/2025 1:57:15 PM	SAM	7/21/2025 2:10:05 PM	Peak Integrated by Software
VSTDICC010	VY022991.D	Ethyl Acetate	MMDadoda	7/21/2025 1:57:15 PM	SAM	7/21/2025 2:10:05 PM	Peak Integrated by Software
VSTDICC010	VY022991.D	Methacrylonitrile	MMDadoda	7/21/2025 1:57:15 PM	SAM	7/21/2025 2:10:05 PM	Peak Integrated by Software
VSTDICC020	VY022992.D	1,2,3-Trichloropropane	MMDadoda	7/21/2025 1:57:17 PM	SAM	7/21/2025 2:10:07 PM	Peak Integrated by Software
VSTDICC020	VY022992.D	Methacrylonitrile	MMDadoda	7/21/2025 1:57:17 PM	SAM	7/21/2025 2:10:07 PM	Peak Integrated by Software
VSTDICCC050	VY022993.D	1,2,3-Trichloropropane	MMDadoda	7/21/2025 1:57:19 PM	SAM	7/21/2025 2:10:09 PM	Peak Integrated by Software
VSTDICC100	VY022994.D	1,2,3-Trichloropropane	MMDadoda	7/21/2025 1:57:20 PM	SAM	7/21/2025 2:10:12 PM	Peak Integrated by Software
VSTDICC150	VY022995.D	1,2,3-Trichloropropane	MMDadoda	7/21/2025 1:57:22 PM	SAM	7/21/2025 2:10:15 PM	Peak Integrated by Software
VSTDICV050	VY022997.D	1,2,3-Trichloropropane	MMDadoda	7/21/2025 1:57:24 PM	SAM	7/21/2025 2:10:16 PM	Peak Integrated by Software
VSTDICV050	VY022997.D	Methacrylonitrile	MMDadoda	7/21/2025 1:57:24 PM	SAM	7/21/2025 2:10:16 PM	Peak Integrated by Software
VSTDCCC050	VY023013.D	1,2,3-Trichloropropane	MMDadoda	7/21/2025 1:58:07 PM	SAM	7/21/2025 2:10:24 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY071825	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	VY072125	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023015.D	1,2,3-Trichloropropane	MMDadoda	7/22/2025 1:40:03 PM	SAM	7/22/2025 1:54:23 PM	Peak Integrated by Software
VY0721SBS01	VY023017.D	1,2,3-Trichloropropane	MMDadoda	7/22/2025 1:40:05 PM	SAM	7/22/2025 1:54:23 PM	Peak Integrated by Software
VY0721SBS01	VY023017.D	Methacrylonitrile	MMDadoda	7/22/2025 1:40:05 PM	SAM	7/22/2025 1:54:23 PM	Peak Integrated by Software
VY0721SBSD01	VY023018.D	1,2,3-Trichloropropane	MMDadoda	7/22/2025 1:40:07 PM	SAM	7/22/2025 1:54:25 PM	Peak Integrated by Software
VSTDCCC050	VY023037.D	1,2,3-Trichloropropane	MMDadoda	7/22/2025 1:40:09 PM	SAM	7/22/2025 1:54:27 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY072225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023039.D	1,2,3-Trichloropropane	MMDadoda	7/23/2025 8:16:47 AM	SAM	7/23/2025 8:22:19 AM	Peak Integrated by Software
VY0722SBS01	VY023041.D	1,2,3-Trichloropropane	MMDadoda	7/23/2025 8:16:48 AM	SAM	7/23/2025 8:22:18 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY071825

Review By	Mahesh Dadoda	Review On	7/21/2025 1:59:01 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	7/21/2025 2:10:51 PM				
SubDirectory	VY071825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y071825s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134827
Initial Calibration Stds	VP134828,VP134829,VP134830,VP134831,VP134832,VP134833
CCC	VP134834
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134834
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022989.D	18 Jul 2025 09:38	SY/MD	Ok
2	VSTDICC005	VY022990.D	18 Jul 2025 10:08	SY/MD	Ok,M
3	VSTDICC010	VY022991.D	18 Jul 2025 10:54	SY/MD	Ok,M
4	VSTDICC020	VY022992.D	18 Jul 2025 11:41	SY/MD	Ok,M
5	VSTDICCC050	VY022993.D	18 Jul 2025 12:04	SY/MD	Ok,M
6	VSTDICC100	VY022994.D	18 Jul 2025 12:27	SY/MD	Ok,M
7	VSTDICC150	VY022995.D	18 Jul 2025 12:49	SY/MD	Ok,M
8	VIBLK	VY022996.D	18 Jul 2025 13:39	SY/MD	Ok
9	VSTDICV050	VY022997.D	18 Jul 2025 14:02	SY/MD	Ok,M
10	VY0718SBL01	VY022998.D	18 Jul 2025 15:10	SY/MD	Ok
11	VY0718SBS01	VY022999.D	18 Jul 2025 15:37	SY/MD	Ok,M
12	VY0718SBSD01	VY023000.D	18 Jul 2025 16:00	SY/MD	Ok,M
13	Q2638-01	VY023001.D	18 Jul 2025 16:38	SY/MD	Ok
14	Q2638-03	VY023002.D	18 Jul 2025 17:01	SY/MD	Ok
15	Q2638-05	VY023003.D	18 Jul 2025 17:23	SY/MD	Ok
16	Q2638-07	VY023004.D	18 Jul 2025 17:46	SY/MD	Ok
17	Q2638-09	VY023005.D	18 Jul 2025 18:10	SY/MD	ReRun
18	Q2638-11	VY023006.D	18 Jul 2025 18:32	SY/MD	Ok
19	Q2638-13	VY023007.D	18 Jul 2025 18:55	SY/MD	Ok
20	Q2639-01	VY023008.D	18 Jul 2025 19:18	SY/MD	Ok
21	Q2639-03	VY023009.D	18 Jul 2025 19:41	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY071825

Review By	Mahesh Dadoda	Review On	7/21/2025 1:59:01 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	7/21/2025 2:10:51 PM				
SubDirectory	VY071825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y071825s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134827
Initial Calibration Stds	VP134828,VP134829,VP134830,VP134831,VP134832,VP134833
CCC	VP134834
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134834
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2639-05	VY023010.D	18 Jul 2025 20:03	SY/MD	Ok
23	Q2639-07	VY023011.D	18 Jul 2025 20:26	SY/MD	ReRun
24	Q2639-09	VY023012.D	18 Jul 2025 20:49	SY/MD	ReRun
25	VSTDCCC050	VY023013.D	18 Jul 2025 21:30	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_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY072125

Review By	Mahesh Dadoda	Review On	7/22/2025 1:40:33 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	7/22/2025 1:54:30 PM				
SubDirectory	VY072125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y071825s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134854
Initial Calibration Stds	
CCC	VP134855,VP134856
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	VY023014.D	21 Jul 2025 08:24	SY/MD	Ok
2	VSTDCCC050	VY023015.D	21 Jul 2025 10:08	SY/MD	Ok,M
3	VY0721SBL01	VY023016.D	21 Jul 2025 10:39	SY/MD	Ok
4	VY0721SBS01	VY023017.D	21 Jul 2025 11:13	SY/MD	Ok,M
5	VY0721SBSD01	VY023018.D	21 Jul 2025 11:36	SY/MD	Ok,M
6	Q2638-09	VY023019.D	21 Jul 2025 12:16	SY/MD	Ok
7	Q2639-07	VY023020.D	21 Jul 2025 12:39	SY/MD	Ok
8	Q2639-09	VY023021.D	21 Jul 2025 13:03	SY/MD	Ok
9	Q2639-11	VY023022.D	21 Jul 2025 13:26	SY/MD	Ok
10	Q2639-13	VY023023.D	21 Jul 2025 13:49	SY/MD	Ok
11	Q2649-03	VY023024.D	21 Jul 2025 14:13	SY/MD	Ok
12	Q2649-07	VY023025.D	21 Jul 2025 14:36	SY/MD	Ok
13	Q2649-11	VY023026.D	21 Jul 2025 15:00	SY/MD	Ok
14	Q2649-15	VY023027.D	21 Jul 2025 15:23	SY/MD	Ok
15	Q2649-19	VY023028.D	21 Jul 2025 15:46	SY/MD	Ok
16	Q2649-23	VY023029.D	21 Jul 2025 16:10	SY/MD	Ok
17	Q2651-01	VY023030.D	21 Jul 2025 16:33	SY/MD	ReRun
18	Q2651-02	VY023031.D	21 Jul 2025 16:57	SY/MD	Ok
19	Q2651-03	VY023032.D	21 Jul 2025 17:20	SY/MD	Ok
20	Q2651-04	VY023033.D	21 Jul 2025 17:43	SY/MD	Ok
21	Q2651-05	VY023034.D	21 Jul 2025 18:07	SY/MD	ReRun

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY072125

Review By	Mahesh Dadoda	Review On	7/22/2025 1:40:33 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	7/22/2025 1:54:30 PM				
SubDirectory	VY072125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y071825s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134854
Initial Calibration Stds	
CCC	VP134855,VP134856
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2660-01	VY023035.D	21 Jul 2025 18:30	SY/MD	Ok
23	VIBLK	VY023036.D	21 Jul 2025 18:54	SY/MD	Ok
24	VSTDCCC050	VY023037.D	21 Jul 2025 19:16	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_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY072225

Review By	Mahesh Dadoda	Review On	7/23/2025 8:17:09 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	7/23/2025 8:22:24 AM				
SubDirectory	VY072225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y071825s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134878
Initial Calibration Stds	
CCC	VP134876,VP134877
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	VY023038.D	22 Jul 2025 08:32	SY/MD	Ok
2	VSTDCCC050	VY023039.D	22 Jul 2025 11:04	SY/MD	Ok,M
3	VY0722SBL01	VY023040.D	22 Jul 2025 12:47	SY/MD	Ok
4	VY0722SBS01	VY023041.D	22 Jul 2025 13:15	SY/MD	Ok,M
5	VY0722SBSD01	VY023042.D	22 Jul 2025 13:38	SY/MD	Ok,M
6	Q2651-01	VY023043.D	22 Jul 2025 14:01	SY/MD	Ok
7	Q2651-05RE	VY023044.D	22 Jul 2025 14:25	SY/MD	Confirms
8	Q2668-03	VY023045.D	22 Jul 2025 14:48	SY/MD	ReRun
9	Q2668-07	VY023046.D	22 Jul 2025 15:11	SY/MD	Ok
10	Q2668-11	VY023047.D	22 Jul 2025 15:35	SY/MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY071825

Review By	Mahesh Dadoda	Review On	7/21/2025 1:59:01 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/21/2025 2:10:51 PM		
SubDirectory	VY071825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y071825s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134827
Initial Calibration Stds	VP134828,VP134829,VP134830,VP134831,VP134832,VP134833
CCC	VP134834
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134834
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022989.D	18 Jul 2025 09:38		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022990.D	18 Jul 2025 10:08		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022991.D	18 Jul 2025 10:54	Method failed for com.#13	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022992.D	18 Jul 2025 11:41		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022993.D	18 Jul 2025 12:04	Comp. #20 is on Linear Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022994.D	18 Jul 2025 12:27		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022995.D	18 Jul 2025 12:49		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022996.D	18 Jul 2025 13:39		SY/MD	Ok
9	VSTDICV050	ICVVY071825	VY022997.D	18 Jul 2025 14:02	Icv Failed for Com.# 13	SY/MD	Ok,M
10	VY0718SBL01	VY0718SBL01	VY022998.D	18 Jul 2025 15:10		SY/MD	Ok
11	VY0718SBS01	VY0718SBS01	VY022999.D	18 Jul 2025 15:37		SY/MD	Ok,M
12	VY0718SBSD01	VY0718SBSD01	VY023000.D	18 Jul 2025 16:00		SY/MD	Ok,M
13	Q2638-01	OU4-TS-31-071725	VY023001.D	18 Jul 2025 16:38	vial-A	SY/MD	Ok
14	Q2638-03	OU4-TS-32-071725	VY023002.D	18 Jul 2025 17:01	vial-A	SY/MD	Ok
15	Q2638-05	OU4-TS-33-071725	VY023003.D	18 Jul 2025 17:23	vial-A	SY/MD	Ok
16	Q2638-07	OU4-TS-34-071725	VY023004.D	18 Jul 2025 17:46	vial-A	SY/MD	Ok
17	Q2638-09	OU4-TS-35-071725	VY023005.D	18 Jul 2025 18:10	vial-A Internal Standard Fail	SY/MD	ReRun

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY071825

Review By	Mahesh Dadoda	Review On	7/21/2025 1:59:01 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/21/2025 2:10:51 PM		
SubDirectory	VY071825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y071825s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134827
Initial Calibration Stds	VP134828,VP134829,VP134830,VP134831,VP134832,VP134833
CCC	VP134834
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134834
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2638-11	OU4-TS-36-071725	VY023006.D	18 Jul 2025 18:32	vial-A	SY/MD	Ok
19	Q2638-13	OU4-TS-37-071725	VY023007.D	18 Jul 2025 18:55	vial-A	SY/MD	Ok
20	Q2639-01	OU4-TS-38-071725	VY023008.D	18 Jul 2025 19:18	vial-A	SY/MD	Ok
21	Q2639-03	OU4-TS-39-071725	VY023009.D	18 Jul 2025 19:41	vial-A	SY/MD	Ok
22	Q2639-05	OU4-TS-40-071725	VY023010.D	18 Jul 2025 20:03	vial-A	SY/MD	Ok
23	Q2639-07	OU4-TS-41-071725	VY023011.D	18 Jul 2025 20:26	vial-A Surrogate Fail	SY/MD	ReRun
24	Q2639-09	OU4-TS-42-071725	VY023012.D	18 Jul 2025 20:49	vial-A Surrogate Fail	SY/MD	ReRun
25	VSTDCCC050	VSTDCCC050EC	VY023013.D	18 Jul 2025 21:30		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_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY072125

Review By	Mahesh Dadoda	Review On	7/22/2025 1:40:33 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/22/2025 1:54:30 PM		
SubDirectory	VY072125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y071825s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134854
Initial Calibration Stds	
CCC	VP134855,VP134856
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	VY023014.D	21 Jul 2025 08:24		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023015.D	21 Jul 2025 10:08		SY/MD	Ok,M
3	VY0721SBL01	VY0721SBL01	VY023016.D	21 Jul 2025 10:39		SY/MD	Ok
4	VY0721SBS01	VY0721SBS01	VY023017.D	21 Jul 2025 11:13		SY/MD	Ok,M
5	VY0721SBSD01	VY0721SBSD01	VY023018.D	21 Jul 2025 11:36		SY/MD	Ok,M
6	Q2638-09	OU4-TS-35-071725	VY023019.D	21 Jul 2025 12:16	vial-B	SY/MD	Ok
7	Q2639-07	OU4-TS-41-071725	VY023020.D	21 Jul 2025 12:39	vial-B	SY/MD	Ok
8	Q2639-09	OU4-TS-42-071725	VY023021.D	21 Jul 2025 13:03	vial-B	SY/MD	Ok
9	Q2639-11	OU4-TS-43-071725	VY023022.D	21 Jul 2025 13:26	vial-A	SY/MD	Ok
10	Q2639-13	OU4-TS-44-071725	VY023023.D	21 Jul 2025 13:49	vial-A	SY/MD	Ok
11	Q2649-03	WC-1-VOC	VY023024.D	21 Jul 2025 14:13	vial-A	SY/MD	Ok
12	Q2649-07	WC-2-VOC	VY023025.D	21 Jul 2025 14:36	vial-A	SY/MD	Ok
13	Q2649-11	WC-3-VOC	VY023026.D	21 Jul 2025 15:00	vial-A	SY/MD	Ok
14	Q2649-15	WC-4-VOC	VY023027.D	21 Jul 2025 15:23	vial-A	SY/MD	Ok
15	Q2649-19	WC-5-VOC	VY023028.D	21 Jul 2025 15:46	vial-A	SY/MD	Ok
16	Q2649-23	WC-6-VOC	VY023029.D	21 Jul 2025 16:10	vial-A	SY/MD	Ok
17	Q2651-01	MH 2-1	VY023030.D	21 Jul 2025 16:33	vial-A Internal Standard Fail	SY/MD	ReRun
18	Q2651-02	MH 6-5	VY023031.D	21 Jul 2025 16:57	vial-A	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY072125

Review By	Mahesh Dadoda	Review On	7/22/2025 1:40:33 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/22/2025 1:54:30 PM		
SubDirectory	VY072125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y071825s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134854
Initial Calibration Stds	
CCC	VP134855,VP134856
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2651-03	MH 7-6	VY023032.D	21 Jul 2025 17:20	vial-A	SY/MD	Ok
20	Q2651-04	MH 8-7	VY023033.D	21 Jul 2025 17:43	vial-A	SY/MD	Ok
21	Q2651-05	MH 9-8	VY023034.D	21 Jul 2025 18:07	vial-A Internal Standard Fail	SY/MD	ReRun
22	Q2660-01	MOO-25-0205	VY023035.D	21 Jul 2025 18:30	vial-A	SY/MD	Ok
23	VIBLK	VIBLK	VY023036.D	21 Jul 2025 18:54		SY/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VY023037.D	21 Jul 2025 19:16		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_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY072225

Review By	Mahesh Dadoda	Review On	7/23/2025 8:17:09 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/23/2025 8:22:24 AM		
SubDirectory	VY072225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y071825s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134878
Initial Calibration Stds	
CCC	VP134876,VP134877
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	VY023038.D	22 Jul 2025 08:32		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023039.D	22 Jul 2025 11:04		SY/MD	Ok,M
3	VY0722SBL01	VY0722SBL01	VY023040.D	22 Jul 2025 12:47		SY/MD	Ok
4	VY0722SBS01	VY0722SBS01	VY023041.D	22 Jul 2025 13:15		SY/MD	Ok,M
5	VY0722SBSD01	VY0722SBSD01	VY023042.D	22 Jul 2025 13:38		SY/MD	Ok,M
6	Q2651-01	MH 2-1	VY023043.D	22 Jul 2025 14:01	vial-B	SY/MD	Ok
7	Q2651-05RE	MH 9-8RE	VY023044.D	22 Jul 2025 14:25	vial-B Internal Standard Fail	SY/MD	Confirms
8	Q2668-03	TP-2-VOC	VY023045.D	22 Jul 2025 14:48	vial-A Surrogate Fail	SY/MD	ReRun
9	Q2668-07	TP-3-VOC	VY023046.D	22 Jul 2025 15:11	vial-A	SY/MD	Ok
10	Q2668-11	TP-1-VOC	VY023047.D	22 Jul 2025 15:35	vial-A	SY/MD	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136542

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
Q2637-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q2637-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q2637-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q2637-10	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2637-11	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q2637-12	PEST-GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q2638-01	OU4-TS-31-071725	7	1.15	10.44	11.59	8.29	68.4	
Q2638-03	OU4-TS-32-071725	8	1.14	10.41	11.55	7.92	65.1	
Q2638-05	OU4-TS-33-071725	9	1.12	10.69	11.81	8.04	64.7	
Q2638-07	OU4-TS-34-071725	10	1.18	10.81	11.99	8.58	68.5	
Q2638-09	OU4-TS-35-071725	11	1.18	10.24	11.42	9.62	82.4	
Q2638-11	OU4-TS-36-071725	12	1.16	10.22	11.38	9.53	81.9	
Q2638-13	OU4-TS-37-071725	13	1.14	10.27	11.41	9.48	81.2	
Q2639-01	OU4-TS-38-071725	14	1.16	10.58	11.74	9.69	80.6	
Q2639-03	OU4-TS-39-071725	15	1.12	10.64	11.76	9.74	81.0	
Q2639-05	OU4-TS-40-071725	16	1.16	10.23	11.39	9.42	80.7	
Q2639-07	OU4-TS-41-071725	17	1.18	10.20	11.38	9.54	82.0	
Q2639-09	OU4-TS-42-071725	18	1.19	10.34	11.53	7.42	60.3	
Q2639-11	OU4-TS-43-071725	19	1.19	10.67	11.86	7.38	58.0	
Q2639-13	OU4-TS-44-071725	20	1.12	10.87	11.99	8.18	64.9	
Q2641-01	P001-CONCRETE001-01	21	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2645-02	RW5B-CARBON-20250716	22	1.17	10.52	11.69	8.39	68.6	
Q2648-01	A3	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-02	A4	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-03	B2	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-04	B3	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-05	B4	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2651-01	MH 2-1	28	1.18	10.67	11.85	11.26	94.5	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136542

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
Q2651-02	MH 6-5	29	1.15	10.40	11.55	10.9	93.8	
Q2651-03	MH 7-6	30	1.12	10.20	11.32	10.7	93.9	
Q2651-04	MH 8-7	31	1.13	10.44	11.57	11.01	94.6	
Q2651-05	MH 9-8	32	1.13	10.27	11.4	10.67	92.9	

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

WORKLIST(Hardcopy Internal Chain)

WM 136542

WorkList Name : %1-071825 **WorkList ID :** 190813 **Department :** Wet-Chemistry **Date :** 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2637-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-01	OU4-TS-31-071725	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-03	OU4-TS-32-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-05	OU4-TS-33-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-07	OU4-TS-34-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-09	OU4-TS-35-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-11	OU4-TS-36-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-13	OU4-TS-37-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-01	OU4-TS-38-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-03	OU4-TS-39-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-05	OU4-TS-40-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-07	OU4-TS-41-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-09	OU4-TS-42-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-11	OU4-TS-43-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-13	OU4-TS-44-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2641-01	P001-CONCRETE001-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	O22	07/16/2025	Chemtech -SO

Date/Time 07/18/25 15:30

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 07/18/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB 136542

WorkList Name : %1-071825 **WorkList ID :** 190813 **Department :** Wet-Chemistry **Date :** 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2645-02	RW5B-CARBON-20250716	Solid	Percent Solids	Cool 4 deg C	TETR06	O41	07/16/2025	Chemtech -SO
Q2648-01	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-02	A4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-03	B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-04	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-05	B4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2651-01	MH 2-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-02	MH 6-5	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-03	MH 7-6	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-04	MH 8-7	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-05	MH 9-8	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO

Date/Time 07/18/25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 07/18/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO. / QUOTE NO. Q2651
COC Number 2047490

CLIENT INFORMATION

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

CLIENT PROJECT INFORMATION

PROJECT NAME: Leon Avenue
PROJECT NO.: 38642 LOCATION: NJ
PROJECT MANAGER: Frank Dougherty
e-mail: frankd@earthengineering.com
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: TCL+30/TAL
2: EBH
3.
4
5
6
7
8
9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MH 2-1	So.		X	7/17/25	9:20	2	X	X								
2.	MH 6-5			X		9:55	2	X	X								
3.	MH 7-6			X		10:30	2	X	X								
4.	MH 8-7			X		10:50	2	X	X								
5.	MH 9-8			X		11:30	2	X	X								
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	7-18-2025 1340	1. 7/18/25 1340
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 1-8 °C
Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

QA Control Code: A2070148

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

DP 07/24/2025

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2651 EARTH03
Client Name : Earth Engineering Inc.
Client Contact : Frank Dougherty, LSRP
Invoice Name : Earth Engineering Inc.
Invoice Contact : Frank Dougherty, LSRP

Order Date : 7/18/2025 2:29:11 PM
Project Name : Leon Avenue ~~38648~~
Receive DateTime : 7/18/2025 1:40:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
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
Q2651-01	MH 2-1	Solid	07/17/2025	09:20					
					VOC-TCLVOA-10	TCL+30/TAL	8260D		5 Bus. Days
Q2651-02	MH 6-5	Solid	07/17/2025	09:55					
					VOC-TCLVOA-10	TCL+30/TAL	8260D		5 Bus. Days
Q2651-03	MH 7-6	Solid	07/17/2025	10:30					
					VOC-TCLVOA-10	TCL+30/TAL	8260D		5 Bus. Days
Q2651-04	MH 8-7	Solid	07/17/2025	10:50					
					VOC-TCLVOA-10	TCL+30/TAL	8260D		5 Bus. Days
Q2651-05	MH 9-8	Solid	07/17/2025	11:30					
					VOC-TCLVOA-10	TCL+30/TAL	8260D		5 Bus. Days

Relinguished By : CR
Date / Time : 7/18/25 15:15

Received By : Sam
Date / Time : 07/18/25 15:15

Rg#6
P22

Storage Area : VOA Refridgerator Room