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

Order ID : Q2473

Project ID : NOHO RFI No. SC64025 NYC

Client : JPCL Engineering

Lab Sample Number	Client Sample Number
Q2473-01	PIT#1
Q2473-02	PIT#2
Q2473-03	PIT#3
Q2473-04	PIT#4
Q2473-05	PIT#1
Q2473-06	PIT#2
Q2473-07	PIT#3
Q2473-08	PIT#4

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: 7/11/2025

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2473**

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

QA Review Signature: **PRADIP PRAJAPATI** **Date:** **07/11/2025**

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LAB CHRONICLE

OrderID:	Q2473	**OrderDate:**	7/1/2025 12:14:15 PM
Client:	JPCL Engineering	**Project:**	NOHO RFI No. SC64025 NYC
Contact:	Paul Rotondi	**Location:**	--Select--,A12,A43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2473-01	**PIT#1**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCL	8260D			07/02/25	
Q2473-02	**PIT#2**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCL	8260D			07/02/25	
Q2473-03	**PIT#3**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCL	8260D			07/02/25	
Q2473-04	**PIT#4**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCL	8260D			07/02/25	
Q2473-04RE	**PIT#4RE**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCL	8260D			07/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2473

Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**PIT#1**							
Q2473-01	PIT#1	SOIL	Acetone	9.00	J	5.20	27.6	ug/Kg
			Total Voc :	9.00				
			Total Concentration:	9.00				
Client ID:	**PIT#2**							
Q2473-02	PIT#2	SOIL	Acetone	4.10	J	3.10	16.4	ug/Kg
			Total Voc :	4.10				
			Total Concentration:	4.10				
Client ID:	**PIT#4**							
Q2473-04	PIT#4	SOIL	Acetone	39.8		2.40	12.9	ug/Kg
Q2473-04	PIT#4	SOIL	2-Butanone	4.50	J	3.40	12.9	ug/Kg
			Total Voc :	44.3				
			Total Concentration:	44.3				
Client ID:	**PIT#4RE**							
Q2473-04RE	PIT#4RE	SOIL	Acetone	39.2		3.60	19.0	ug/Kg
			Total Voc :	39.2				
			Total Concentration:	39.2				

QC SUMMARY

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

SDG No.: Q2473

Client: JPCL Engineering

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q2473-01	PIT#1	1,2-Dichloroethane-d4	50	54.9	110		63	155
		Dibromofluoromethane	50	48.0	96		70	134
		Toluene-d8	50	51.5	103		74	123
		4-Bromofluorobenzene	50	53.6	107		17	146
Q2473-02	PIT#2	1,2-Dichloroethane-d4	50	54.2	108		63	155
		Dibromofluoromethane	50	35.7	71		70	134
		Toluene-d8	50	50.8	102		74	123
		4-Bromofluorobenzene	50	51.9	104		17	146
Q2473-03	PIT#3	1,2-Dichloroethane-d4	50	35.9	72		63	155
		Dibromofluoromethane	50	38.3	76		70	134
		Toluene-d8	50	49.6	99		74	123
		4-Bromofluorobenzene	50	44.6	89		17	146
Q2473-04	PIT#4	1,2-Dichloroethane-d4	50	60.1	120		63	155
		Dibromofluoromethane	50	30.3	61	*	70	134
		Toluene-d8	50	51.5	103		74	123
		4-Bromofluorobenzene	50	59.4	119		17	146
Q2473-04RE	PIT#4RE	1,2-Dichloroethane-d4	50	48.8	98		63	155
		Dibromofluoromethane	50	31.1	62	*	70	134
		Toluene-d8	50	49.0	98		74	123
		4-Bromofluorobenzene	50	46.3	93		17	146
VY0702SBL01	VY0702SBL01	1,2-Dichloroethane-d4	50	49.3	99		63	155
		Dibromofluoromethane	50	50.9	102		70	134
		Toluene-d8	50	51.3	103		74	123
		4-Bromofluorobenzene	50	55.3	111		17	146
VY0702SBS01	VY0702SBS01	1,2-Dichloroethane-d4	50	49.8	100		63	155
		Dibromofluoromethane	50	52.0	104		70	134
		Toluene-d8	50	51.9	104		74	123
		4-Bromofluorobenzene	50	48.9	98		17	146
VY0702SBSD01	VY0702SBSD01	1,2-Dichloroethane-d4	50	48.9	98		63	155
		Dibromofluoromethane	50	49.5	99		70	134
		Toluene-d8	50	49.2	98		74	123
		4-Bromofluorobenzene	50	47.2	94		17	146
VY0703SBL01	VY0703SBL01	1,2-Dichloroethane-d4	50	52.7	105		63	155
		Dibromofluoromethane	50	52.7	105		70	134
		Toluene-d8	50	52.1	104		74	123
		4-Bromofluorobenzene	50	55.3	111		17	146
VY0703SBS01	VY0703SBS01	1,2-Dichloroethane-d4	50	48.4	97		63	155
		Dibromofluoromethane	50	50.6	101		70	134
		Toluene-d8	50	51.1	102		74	123
		4-Bromofluorobenzene	50	47.0	94		17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8260D

Client: JPCL Engineering **Datafile :** VY022905.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0702SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			64	136	
	Chloromethane	20	22.7	ug/Kg	114			52	151	
	Vinyl chloride	20	20.1	ug/Kg	101			56	148	
	Bromomethane	20	21.9	ug/Kg	110			58	141	
	Chloroethane	20	21.3	ug/Kg	106			69	130	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	20.7	ug/Kg	104			79	121	
	Acetone	100	110	ug/Kg	110			40	171	
	Carbon disulfide	20	20.6	ug/Kg	103			59	130	
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95			77	129	
	Methyl Acetate	20	17.0	ug/Kg	85			69	149	
	Methylene Chloride	20	22.0	ug/Kg	110			72	131	
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	21.0	ug/Kg	105			82	123	
	Cyclohexane	20	21.2	ug/Kg	106			76	122	
	2-Butanone	100	97.2	ug/Kg	97			69	131	
	Carbon Tetrachloride	20	20.5	ug/Kg	103			76	129	
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101			82	123	
	Bromochloromethane	20	20.2	ug/Kg	101			80	127	
	Chloroform	20	20.7	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			80	126	
	Methylcyclohexane	20	20.6	ug/Kg	103			77	123	
	Benzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichloroethane	20	20.0	ug/Kg	100			81	126	
	Trichloroethene	20	19.9	ug/Kg	100			83	122	
	1,2-Dichloropropane	20	20.8	ug/Kg	104			83	122	
	Bromodichloromethane	20	19.8	ug/Kg	99			82	123	
	4-Methyl-2-Pentanone	100	89.3	ug/Kg	89			70	135	
	Toluene	20	20.1	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97			78	124	
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101			81	122	
	1,1,2-Trichloroethane	20	19.2	ug/Kg	96			82	125	
	2-Hexanone	100	90.1	ug/Kg	90			66	138	
	Dibromochloromethane	20	18.8	ug/Kg	94			79	125	
	1,2-Dibromoethane	20	18.3	ug/Kg	92			80	125	
	Tetrachloroethene	20	19.7	ug/Kg	99			83	125	
	Chlorobenzene	20	20.4	ug/Kg	102			84	122	
	Ethyl Benzene	20	20.6	ug/Kg	103			82	124	
	m/p-Xylenes	40	40.6	ug/Kg	102			83	124	
	o-Xylene	20	20.0	ug/Kg	100			83	123	
	Styrene	20	19.7	ug/Kg	99			82	124	
	Bromoform	20	18.4	ug/Kg	92			75	127	
	Isopropylbenzene	20	21.8	ug/Kg	109			82	124	
	1,1,2,2-Tetrachloroethane	20	20.8	ug/Kg	104			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8260D

Client: JPCL Engineering **Datafile :** VY022905.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0702SBS01	1,2-Dibromo-3-Chloropropane	20	18.3	ug/Kg	92			66	134	
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			78	127	
	1,2,3-Trichlorobenzene	20	17.9	ug/Kg	90			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8260D

Client: JPCL Engineering **Datafile :** VY022906.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0702SBSD01	Dichlorodifluoromethane	20	21.1	ug/Kg	106	4		64	136	20
	Chloromethane	20	20.5	ug/Kg	103	10		52	151	20
	Vinyl chloride	20	19.5	ug/Kg	98	3		56	148	20
	Bromomethane	20	21.3	ug/Kg	106	4		58	141	20
	Chloroethane	20	20.5	ug/Kg	103	3		69	130	20
	Trichlorofluoromethane	20	19.3	ug/Kg	97	0		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106	2		81	123	20
	1,1-Dichloroethene	20	21.4	ug/Kg	107	3		79	121	20
	Acetone	100	120	ug/Kg	120	9		40	171	20
	Carbon disulfide	20	21.0	ug/Kg	105	2		59	130	20
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102	7		77	129	20
	Methyl Acetate	20	19.1	ug/Kg	96	12		69	149	20
	Methylene Chloride	20	24.1	ug/Kg	121	10		72	131	20
	trans-1,2-Dichloroethene	20	21.3	ug/Kg	106	3		80	123	20
	1,1-Dichloroethane	20	22.0	ug/Kg	110	5		82	123	20
	Cyclohexane	20	21.9	ug/Kg	110	4		76	122	20
	2-Butanone	100	110	ug/Kg	110	13		69	131	20
	Carbon Tetrachloride	20	20.9	ug/Kg	104	1		76	129	20
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103	2		82	123	20
	Bromochloromethane	20	21.4	ug/Kg	107	6		80	127	20
	Chloroform	20	21.3	ug/Kg	106	2		82	125	20
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108	4		80	126	20
	Methylcyclohexane	20	20.6	ug/Kg	103	0		77	123	20
	Benzene	20	21.2	ug/Kg	106	3		84	121	20
	1,2-Dichloroethane	20	20.8	ug/Kg	104	4		81	126	20
	Trichloroethene	20	20.6	ug/Kg	103	3		83	122	20
	1,2-Dichloropropane	20	21.6	ug/Kg	108	4		83	122	20
	Bromodichloromethane	20	20.6	ug/Kg	103	4		82	123	20
	4-Methyl-2-Pentanone	100	97.1	ug/Kg	97	9		70	135	20
	Toluene	20	20.8	ug/Kg	104	3		83	122	20
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101	4		78	124	20
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104	3		81	122	20
	1,1,2-Trichloroethane	20	19.9	ug/Kg	100	4		82	125	20
	2-Hexanone	100	98.9	ug/Kg	99	10		66	138	20
	Dibromochloromethane	20	20.1	ug/Kg	101	7		79	125	20
	1,2-Dibromoethane	20	19.2	ug/Kg	96	4		80	125	20
	Tetrachloroethene	20	20.3	ug/Kg	102	3		83	125	20
	Chlorobenzene	20	21.2	ug/Kg	106	4		84	122	20
	Ethyl Benzene	20	21.1	ug/Kg	106	3		82	124	20
	m/p-Xylenes	40	41.8	ug/Kg	104	2		83	124	20
	o-Xylene	20	20.9	ug/Kg	104	4		83	123	20
	Styrene	20	20.5	ug/Kg	103	4		82	124	20
	Bromoform	20	19.3	ug/Kg	97	5		75	127	20
	Isopropylbenzene	20	22.1	ug/Kg	111	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.4	ug/Kg	107	3		77	127	20
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106	4		83	122	20
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105	2		84	121	20
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	3		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8260D

Client: JPCL Engineering **Datafile :** VY022906.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0702SBSD01	1,2-Dibromo-3-Chloropropane	20	19.3	ug/Kg	97	5		66	134	20
	1,2,4-Trichlorobenzene	20	19.7	ug/Kg	99	7		78	127	20
	1,2,3-Trichlorobenzene	20	19.2	ug/Kg	96	6		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8260D

Client: JPCL Engineering **Datafile :** VY022931.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0703SBS01	Dichlorodifluoromethane	20	21.3	ug/Kg	106			64	136	
	Chloromethane	20	20.1	ug/Kg	101			52	151	
	Vinyl chloride	20	20.1	ug/Kg	101			56	148	
	Bromomethane	20	19.6	ug/Kg	98			58	141	
	Chloroethane	20	20.3	ug/Kg	102			69	130	
	Trichlorofluoromethane	20	19.3	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.8	ug/Kg	109			81	123	
	1,1-Dichloroethene	20	21.2	ug/Kg	106			79	121	
	Acetone	100	140	ug/Kg	140			40	171	
	Carbon disulfide	20	21.1	ug/Kg	106			59	130	
	Methyl tert-butyl Ether	20	18.3	ug/Kg	92			77	129	
	Methyl Acetate	20	16.2	ug/Kg	81			69	149	
	Methylene Chloride	20	24.0	ug/Kg	120			72	131	
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	21.6	ug/Kg	108			82	123	
	Cyclohexane	20	21.2	ug/Kg	106			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	21.1	ug/Kg	106			76	129	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			82	123	
	Bromochloromethane	20	20.3	ug/Kg	102			80	127	
	Chloroform	20	21.0	ug/Kg	105			82	125	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			80	126	
	Methylcyclohexane	20	20.6	ug/Kg	103			77	123	
	Benzene	20	21.4	ug/Kg	107			84	121	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			81	126	
	Trichloroethene	20	21.2	ug/Kg	106			83	122	
	1,2-Dichloropropane	20	21.4	ug/Kg	107			83	122	
	Bromodichloromethane	20	20.4	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	88.7	ug/Kg	89			70	135	
	Toluene	20	20.6	ug/Kg	103			83	122	
	t-1,3-Dichloropropene	20	19.2	ug/Kg	96			78	124	
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	19.4	ug/Kg	97			82	125	
	2-Hexanone	100	97.3	ug/Kg	97			66	138	
	Dibromochloromethane	20	19.1	ug/Kg	96			79	125	
	1,2-Dibromoethane	20	18.2	ug/Kg	91			80	125	
	Tetrachloroethene	20	22.3	ug/Kg	112			83	125	
	Chlorobenzene	20	20.9	ug/Kg	104			84	122	
	Ethyl Benzene	20	21.4	ug/Kg	107			82	124	
	m/p-Xylenes	40	42.4	ug/Kg	106			83	124	
	o-Xylene	20	20.1	ug/Kg	101			83	123	
	Styrene	20	20.2	ug/Kg	101			82	124	
	Bromoform	20	17.7	ug/Kg	89			75	127	
	Isopropylbenzene	20	21.8	ug/Kg	109			82	124	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			77	127	
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	19.6	ug/Kg	98			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8260D

Client: JPCL Engineering **Datafile :** VY022931.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0703SBS01	1,2-Dibromo-3-Chloropropane	20	17.8	ug/Kg	89			66	134	
	1,2,4-Trichlorobenzene	20	17.7	ug/Kg	89			78	127	
	1,2,3-Trichlorobenzene	20	16.9	ug/Kg	85			70	137	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0702SBL01

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab File ID: VY022904.D | Lab Sample ID: VY0702SBL01

Date Analyzed: 07/02/2025 | Time Analyzed: 11:42

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
VY0702SBS01	VY0702SBS01	VY022905.D	07/02/2025
VY0702SBSD01	VY0702SBSD01	VY022906.D	07/02/2025
PIT#1	Q2473-01	VY022917.D	07/02/2025
PIT#2	Q2473-02	VY022918.D	07/02/2025
PIT#3	Q2473-03	VY022919.D	07/02/2025
PIT#4	Q2473-04	VY022920.D	07/02/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0703SBL01

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab File ID: VY022930.D | Lab Sample ID: VY0703SBL01

Date Analyzed: 07/03/2025 | Time Analyzed: 09:57

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
VY0703SBS01	VY0703SBS01	VY022931.D	07/03/2025
PIT#4RE	Q2473-04RE	VY022936.D	07/03/2025

COMMENTS:

Raw Data: **VY022775.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab File ID: VY022775.D | BFB Injection Date: 06/23/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 10:17

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	22.8
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	81.9
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.2 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022776.D	06/23/2025	13:38
VSTDICC010	VSTDICC010	VY022777.D	06/23/2025	14:00
VSTDICC020	VSTDICC020	VY022778.D	06/23/2025	14:23
VSTDICCC050	VSTDICCC050	VY022779.D	06/23/2025	14:46
VSTDICC100	VSTDICC100	VY022780.D	06/23/2025	15:08
VSTDICC150	VSTDICC150	VY022781.D	06/23/2025	15:31

Raw Data: **VY022902.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab File ID: VY022902.D | BFB Injection Date: 07/02/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:51

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	22.5
75	30.0 - 60.0% of mass 95	55.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	83.6
175	5.0 - 9.0% of mass 174	6.1 (7.3) 1
176	95.0 - 101.0% of mass 174	81.3 (97.3) 1
177	5.0 - 9.0% of mass 176	5.4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022903.D	07/02/2025	10:37
VY0702SBL01	VY0702SBL01	VY022904.D	07/02/2025	11:42
VY0702SBS01	VY0702SBS01	VY022905.D	07/02/2025	12:12
VY0702SBSD01	VY0702SBSD01	VY022906.D	07/02/2025	12:35
PIT#1	Q2473-01	VY022917.D	07/02/2025	17:07
PIT#2	Q2473-02	VY022918.D	07/02/2025	17:30
PIT#3	Q2473-03	VY022919.D	07/02/2025	17:53
PIT#4	Q2473-04	VY022920.D	07/02/2025	18:17

Raw Data: **VY022928.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab File ID: VY022928.D | BFB Injection Date: 07/03/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:03

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	23
75	30.0 - 60.0% of mass 95	56.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.1 (1.3) 1
174	50.0 - 100.0% of mass 95	85.2
175	5.0 - 9.0% of mass 174	6.3 (7.3) 1
176	95.0 - 101.0% of mass 174	81 (95.1) 1
177	5.0 - 9.0% of mass 176	5.3 (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	VY022929.D	07/03/2025	09:26
VY0703SBL01	VY0703SBL01	VY022930.D	07/03/2025	09:57
VY0703SBS01	VY0703SBS01	VY022931.D	07/03/2025	10:29
PIT#4RE	Q2473-04RE	VY022936.D	07/03/2025	12:39

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG NO.: Q2473

Lab File ID: VY022903.D Date Analyzed: 07/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:37

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	453239	7.71	750175	8.62	644334	11.41
UPPER LIMIT	906478	8.213	1500350	9.116	1288670	11.914
LOWER LIMIT	226620	7.213	375088	8.116	322167	10.914
EPA SAMPLE NO.						
PIT#1	279065	7.71	534952	8.62	530195	11.41
PIT#2	300149	7.71	579446	8.62	556091	11.41
PIT#3	309766	7.71	551696	8.62	475549	11.41
PIT#4	269260	7.71	521273	8.62	540209	11.41
VY0702SBL01	327303	7.71	608180	8.62	599654	11.42
VY0702SBS01	424569	7.71	714057	8.62	598160	11.41
VY0702SBSD01	405936	7.71	690466	8.62	580305	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG NO.: Q2473

Lab File ID: VY022903.D Date Analyzed: 07/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:37

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

	IS4 AREA #	RT #				
12 HOUR STD	321198	13.347				
UPPER LIMIT	642396	13.847				
LOWER LIMIT	160599	12.847				
EPA SAMPLE NO.						
PIT#1	216048	13.35				
PIT#2	220138	13.35				
PIT#3	181660	13.35				
PIT#4	244944	13.35				
VY0702SBL01	251367	13.35				
VY0702SBS01	274634	13.35				
VY0702SBSD01	268831	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG NO.: Q2473

Lab File ID: VY022929.D Date Analyzed: 07/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:26

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	402903	7.71	653588	8.62	556811	11.41
UPPER LIMIT	805806	8.207	1307180	9.116	1113620	11.914
LOWER LIMIT	201452	7.207	326794	8.116	278406	10.914
EPA SAMPLE NO.						
PIT#4RE	95586 *	7.71	165245 *	8.62	149379 *	11.41
VY0703SBL01	297416	7.71	558302	8.62	553906	11.41
VY0703SBS01	387913	7.71	648160	8.62	537972	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG NO.: Q2473

Lab File ID: VY022929.D Date Analyzed: 07/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:26

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

	IS4 AREA #		RT #				
12 HOUR STD	273118		13.347				
UPPER LIMIT	546236		13.847				
LOWER LIMIT	136559		12.847				
EPA SAMPLE NO.							
PIT#4RE	56106	*	13.35				
VY0703SBL01	230762		13.35				
VY0703SBS01	252496		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: **VY022917.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022917.D	1	07/02/25 17:07	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	5.50	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.87	U	0.87	5.50	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.50	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.50	ug/Kg
67-64-1	Acetone	9.00	J	5.20	27.6	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.80	U	0.80	5.50	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.50	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.88	U	0.88	5.50	ug/Kg
110-82-7	Cyclohexane	0.87	U	0.87	5.50	ug/Kg
78-93-3	2-Butanone	7.20	U	7.20	27.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	5.50	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	5.50	ug/Kg
67-66-3	Chloroform	0.93	U	0.93	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.50	ug/Kg
71-43-2	Benzene	0.87	U	0.87	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.87	U	0.87	5.50	ug/Kg
79-01-6	Trichloroethene	0.89	U	0.89	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.86	U	0.86	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.90	U	3.90	27.6	ug/Kg
108-88-3	Toluene	0.86	U	0.86	5.50	ug/Kg

Raw Data: **VY022917.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022917.D	1	07/02/25 17:07	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.68	U	0.68	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
591-78-6	2-Hexanone	4.10	U	4.10	27.6	ug/Kg
124-48-1	Dibromochloromethane	0.96	U	0.96	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.97	U	0.97	5.50	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.50	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.74	U	0.74	5.50	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.0	ug/Kg
95-47-6	o-Xylene	0.90	U	0.90	5.50	ug/Kg
100-42-5	Styrene	0.78	U	0.78	5.50	ug/Kg
75-25-2	Bromoform	0.95	U	0.95	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.90	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.30	U	3.30	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.50	U	3.50	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.9		63 - 155	110%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		17 - 146	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	279000	7.707			
540-36-3	1,4-Difluorobenzene	535000	8.615			
3114-55-4	Chlorobenzene-d5	530000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	216000	13.346			

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022917.D	1	07/02/25 17:07	VY070225

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\VY070225\
Data File : VY022917.D
Acq On : 02 Jul 2025 17:07
Operator : SY/MD
Sample : Q2473-01
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

Quant Time: Jul 03 02:25:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

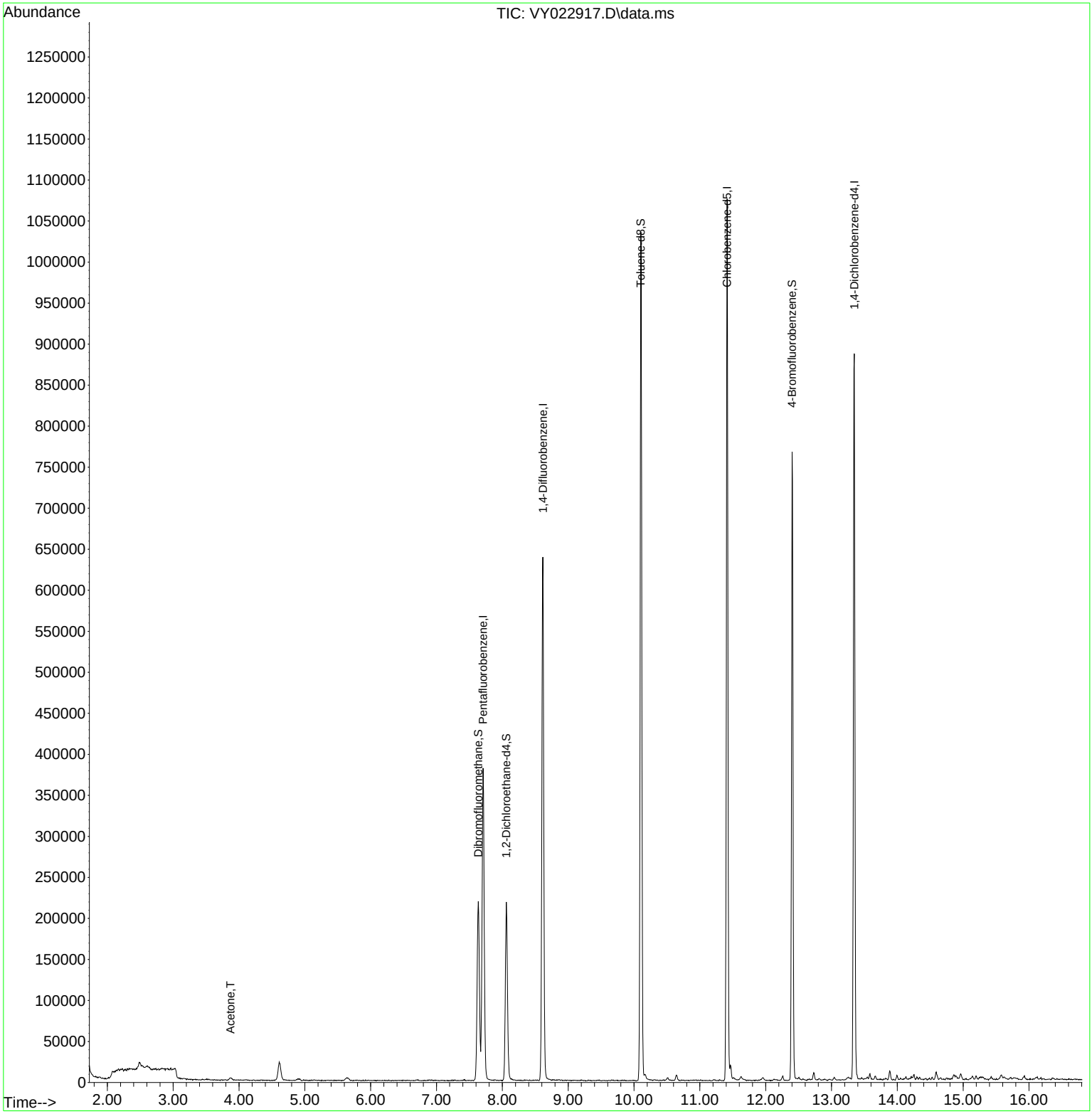
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	279065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	534952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	530195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	216048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171013	54.906	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.820%			
35) Dibromofluoromethane	7.634	113	156029	47.960	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.920%			
50) Toluene-d8	10.103	98	665393	51.542	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.080%			
62) 4-Bromofluorobenzene	12.401	95	222511	53.617	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.240%			
Target Compounds						Qvalue
16) Acetone	3.872	43	4826	8.198	ug/l	98

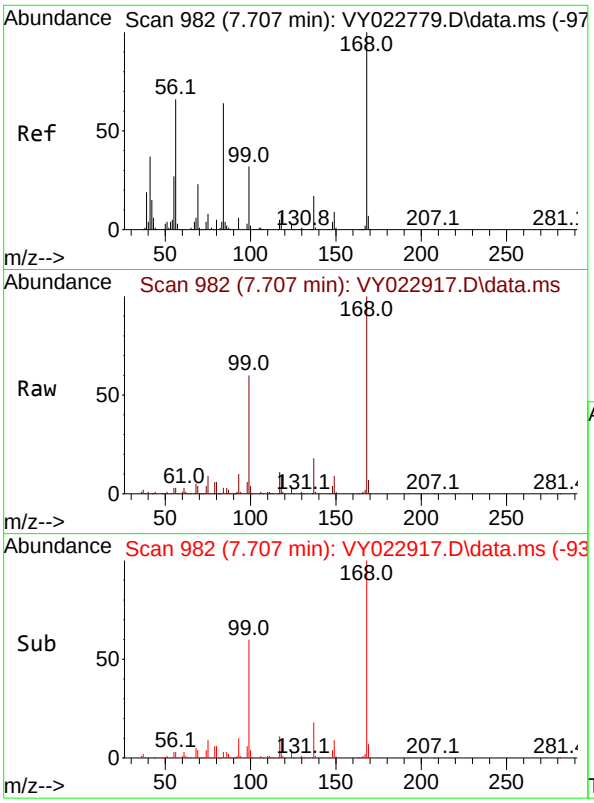
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022917.D
Acq On : 02 Jul 2025 17:07
Operator : SY/MD
Sample : Q2473-01
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

Quant Time: Jul 03 02:25:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



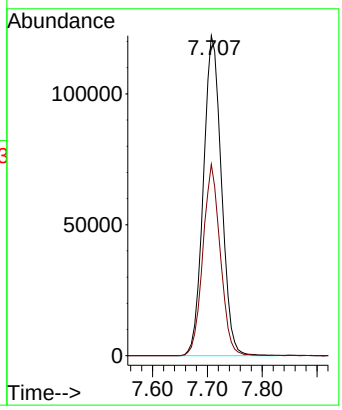


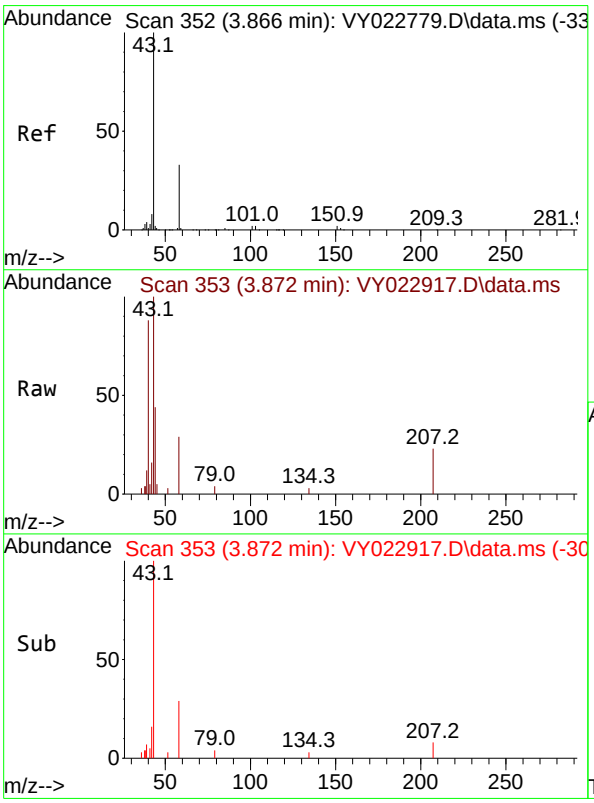
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

Tgt Ion:168 Resp: 279065

Ion	Ratio	Lower	Upper
168	100		
99	59.8	44.3	66.5

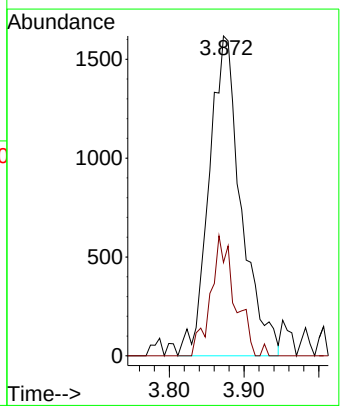


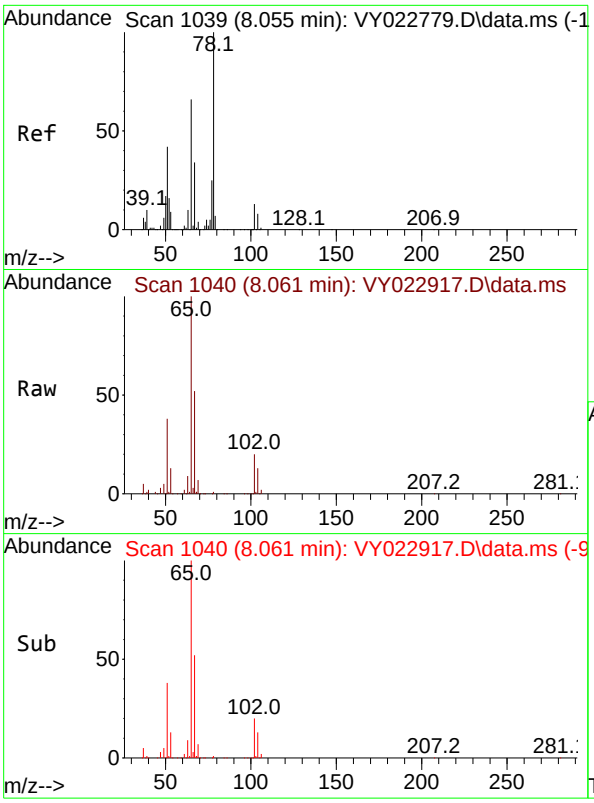


#16
Acetone
Concen: 8.198 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Tgt Ion: 43 Resp: 4826

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.0	36.0



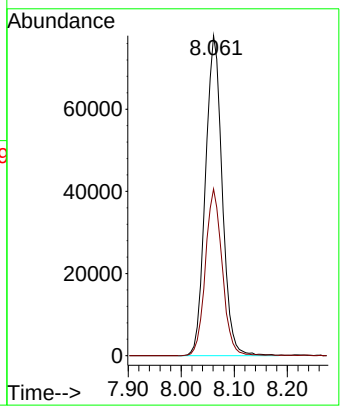


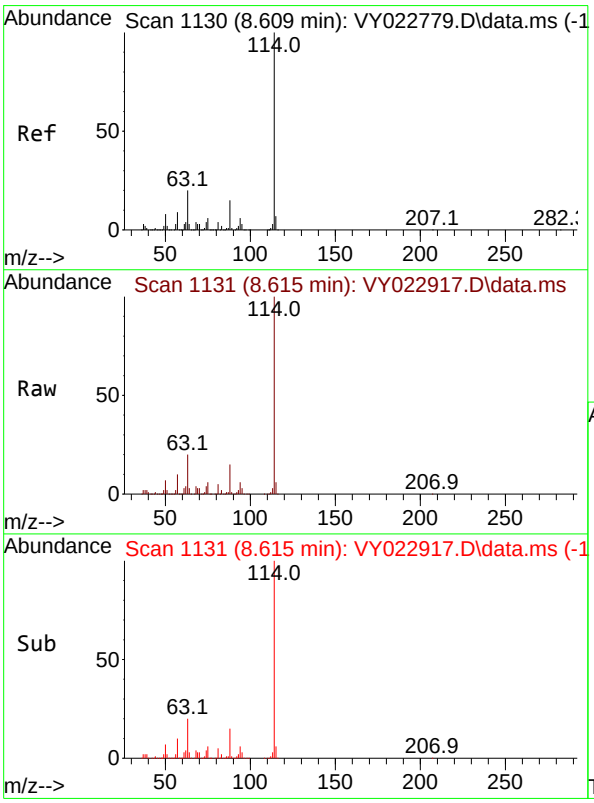
#33
1,2-Dichloroethane-d4
Concen: 54.906 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

Tgt Ion: 65 Resp: 171013

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.4

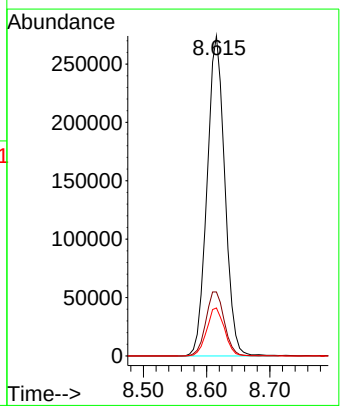


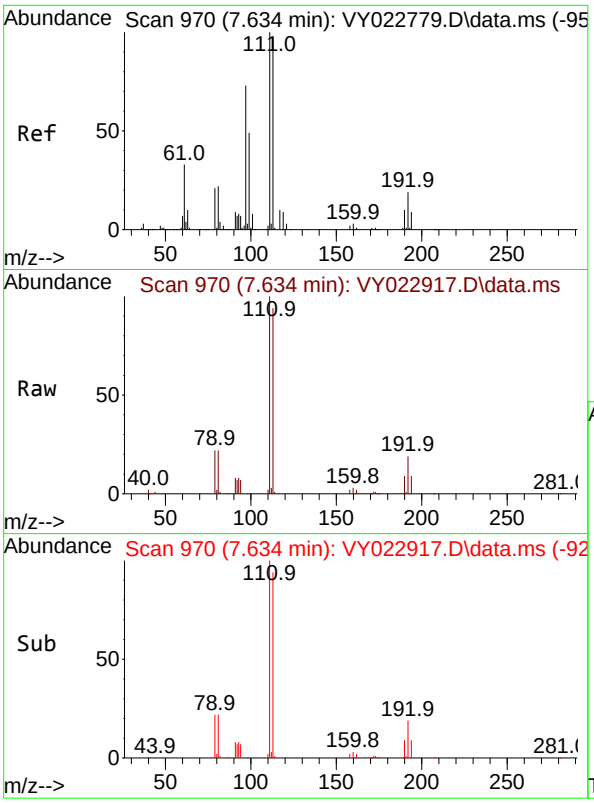


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Tgt Ion:114 Resp: 534952

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	15.0	0.0	27.8



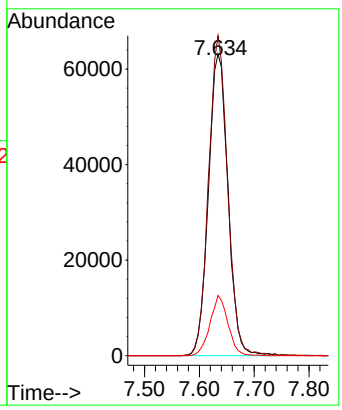


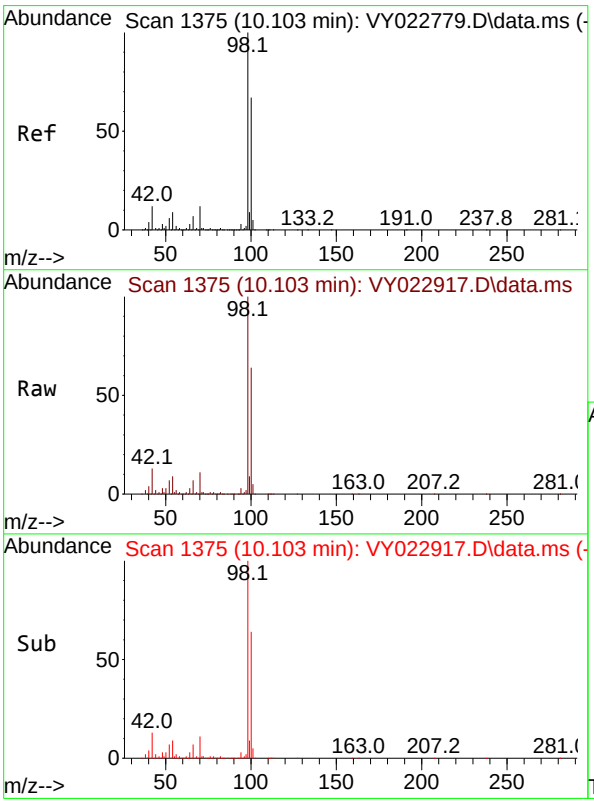
#35
Dibromofluoromethane
Concen: 47.960 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

Tgt Ion:113 Resp: 156029

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.1	121.7
192	18.3	14.2	21.2

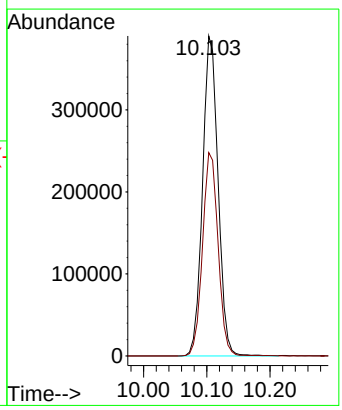


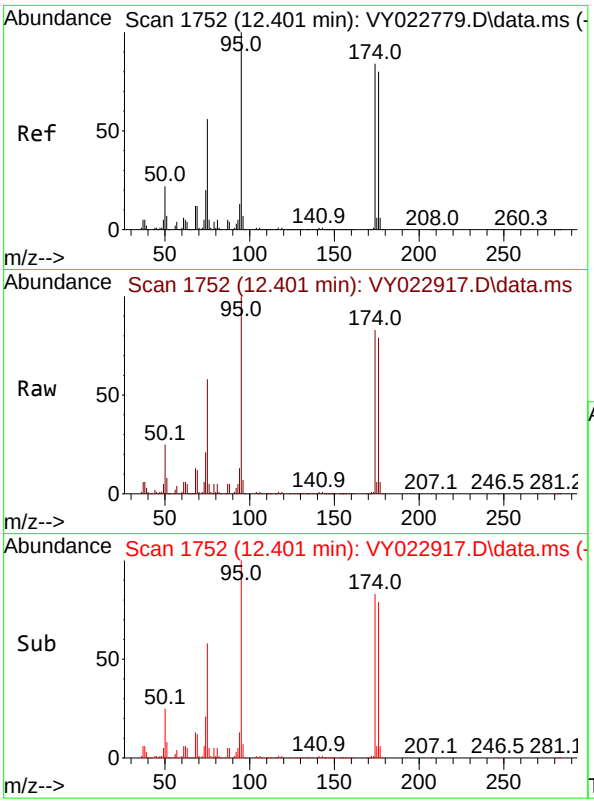


#50
Toluene-d8
Concen: 51.542 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Tgt Ion: 98 Resp: 665393

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0



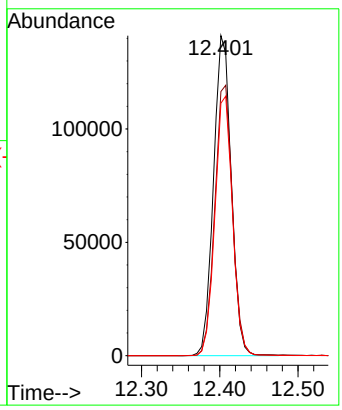


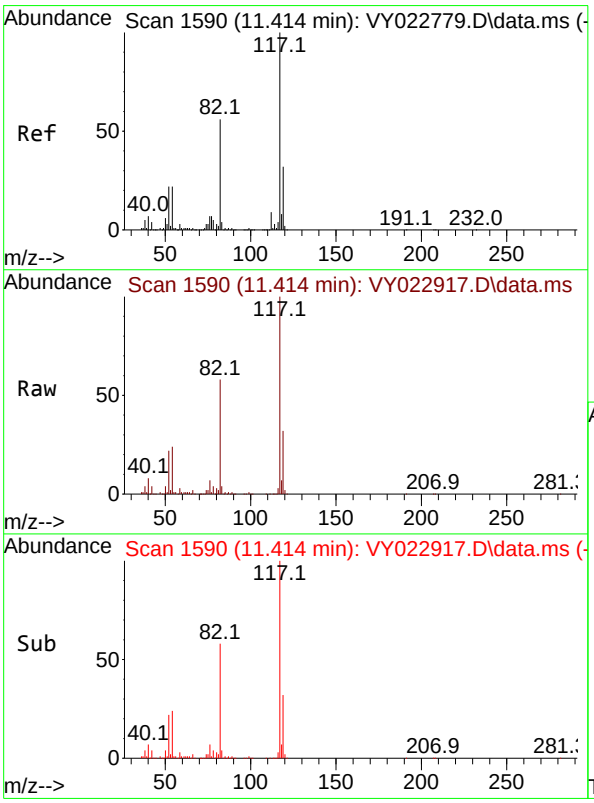
#62
4-Bromofluorobenzene
Concen: 53.617 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

Tgt Ion: 95 Resp: 222511

Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	170.0
176	80.6	0.0	166.2

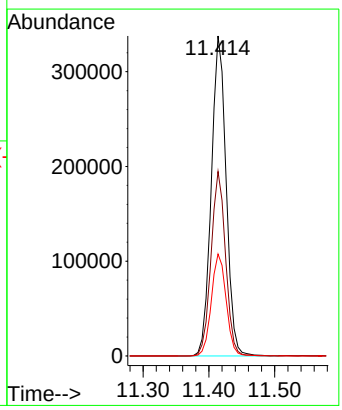


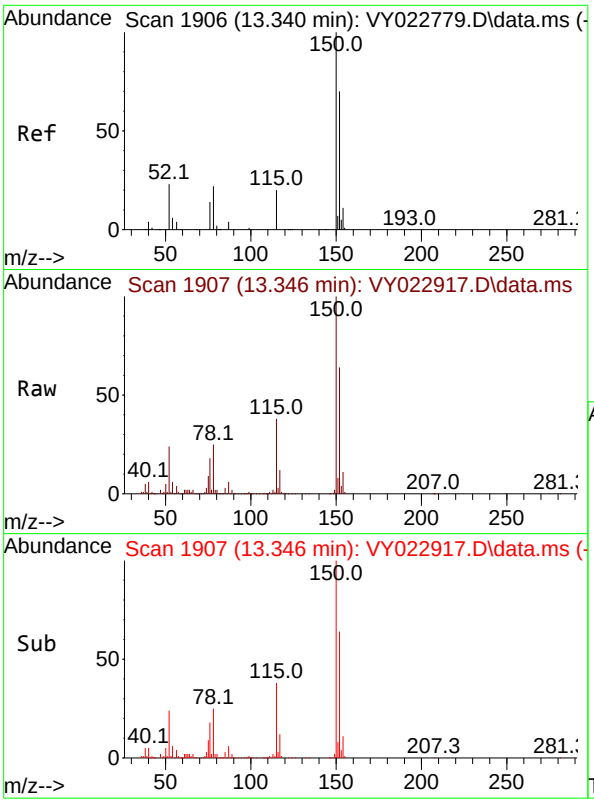


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Tgt Ion:117 Resp: 530195

Ion	Ratio	Lower	Upper
117	100		
82	57.7	44.6	66.8
119	31.9	25.4	38.0



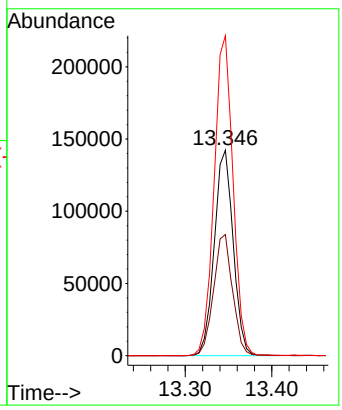


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

Tgt Ion:152 Resp: 216048

Ion	Ratio	Lower	Upper
152	100		
115	59.4	28.9	86.7
150	155.4	0.0	349.6



Raw Data: **VY022918.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.1
Sample Wt/Vol:	8.47 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022918.D	1	07/02/25 17:30	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.75	U	0.75	3.30	ug/Kg
74-87-3	Chloromethane	0.75	U	0.75	3.30	ug/Kg
75-01-4	Vinyl Chloride	0.52	U	0.52	3.30	ug/Kg
74-83-9	Bromomethane	0.70	U	0.70	3.30	ug/Kg
75-00-3	Chloroethane	0.83	U	0.83	3.30	ug/Kg
75-69-4	Trichlorofluoromethane	0.79	U	0.79	3.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.69	U	0.69	3.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.66	U	0.66	3.30	ug/Kg
67-64-1	Acetone	4.10	J	3.10	16.4	ug/Kg
75-15-0	Carbon Disulfide	0.69	U	0.69	3.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.48	U	0.48	3.30	ug/Kg
79-20-9	Methyl Acetate	1.00	U	1.00	3.30	ug/Kg
75-09-2	Methylene Chloride	2.30	U	2.30	6.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.56	U	0.56	3.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.52	U	0.52	3.30	ug/Kg
110-82-7	Cyclohexane	0.52	U	0.52	3.30	ug/Kg
78-93-3	2-Butanone	4.30	U	4.30	16.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.64	U	0.64	3.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.49	U	0.49	3.30	ug/Kg
74-97-5	Bromochloromethane	0.75	U	0.75	3.30	ug/Kg
67-66-3	Chloroform	0.55	U	0.55	3.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.61	U	0.61	3.30	ug/Kg
108-87-2	Methylcyclohexane	0.60	U	0.60	3.30	ug/Kg
71-43-2	Benzene	0.52	U	0.52	3.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.52	U	0.52	3.30	ug/Kg
79-01-6	Trichloroethene	0.53	U	0.53	3.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.60	U	0.60	3.30	ug/Kg
75-27-4	Bromodichloromethane	0.51	U	0.51	3.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.30	U	2.30	16.4	ug/Kg
108-88-3	Toluene	0.51	U	0.51	3.30	ug/Kg

Raw Data: **VY022918.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.1
Sample Wt/Vol:	8.47 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022918.D	1	07/02/25 17:30	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.43	U	0.43	3.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.41	U	0.41	3.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.60	U	0.60	3.30	ug/Kg
591-78-6	2-Hexanone	2.40	U	2.40	16.4	ug/Kg
124-48-1	Dibromochloromethane	0.57	U	0.57	3.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.58	U	0.58	3.30	ug/Kg
127-18-4	Tetrachloroethene	0.69	U	0.69	3.30	ug/Kg
108-90-7	Chlorobenzene	0.60	U	0.60	3.30	ug/Kg
100-41-4	Ethyl Benzene	0.44	U	0.44	3.30	ug/Kg
179601-23-1	m/p-Xylenes	0.81	U	0.81	6.60	ug/Kg
95-47-6	o-Xylene	0.54	U	0.54	3.30	ug/Kg
100-42-5	Styrene	0.47	U	0.47	3.30	ug/Kg
75-25-2	Bromoform	0.56	U	0.56	3.30	ug/Kg
98-82-8	Isopropylbenzene	0.51	U	0.51	3.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.79	U	0.79	3.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.10	U	1.10	3.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.00	U	1.00	3.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.95	U	0.95	3.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	3.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.90	U	1.90	3.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.10	U	2.10	3.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.2		63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	35.7		70 - 134	71%	SPK: 50
2037-26-5	Toluene-d8	50.8		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		17 - 146	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	300000	7.707			
540-36-3	1,4-Difluorobenzene	579000	8.616			
3114-55-4	Chlorobenzene-d5	556000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	220000	13.347			

Raw Data: **VY022918.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.1
Sample Wt/Vol:	8.47 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022918.D	1	07/02/25 17:30	VY070225

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\VY070225\
Data File : VY022918.D
Acq On : 02 Jul 2025 17:30
Operator : SY/MD
Sample : Q2473-02
Misc : 8.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PIT#2

Quant Time: Jul 03 02:25:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

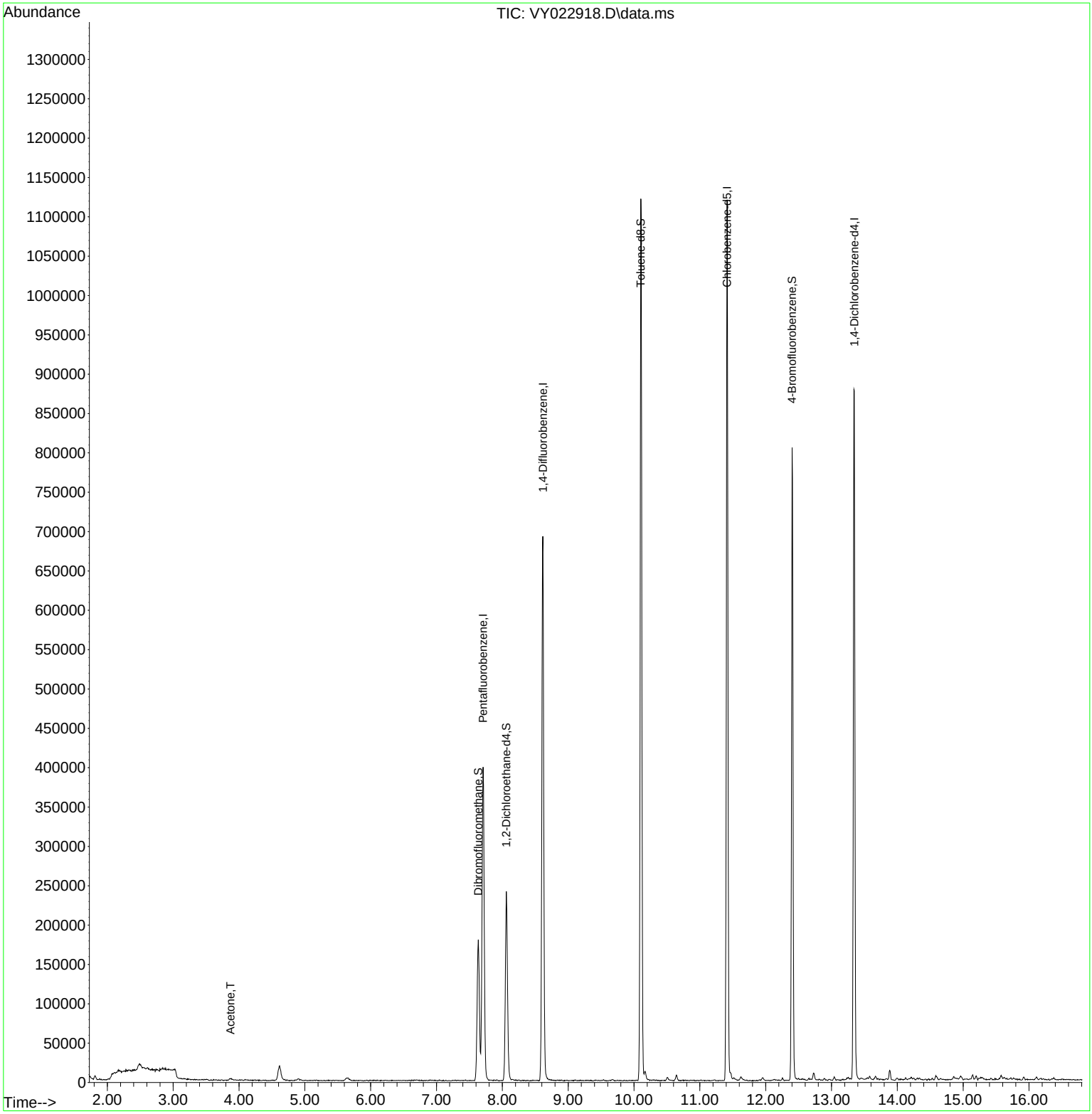
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	300149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	579446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	556091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	220138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	181616	54.214	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.420%			
35) Dibromofluoromethane	7.634	113	125921	35.733	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 71.460%			
50) Toluene-d8	10.103	98	710362	50.800	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.600%			
62) 4-Bromofluorobenzene	12.402	95	233105	51.856	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.720%			
Target Compounds						Qvalue
16) Acetone	3.873	43	3990	6.302	ug/l	92

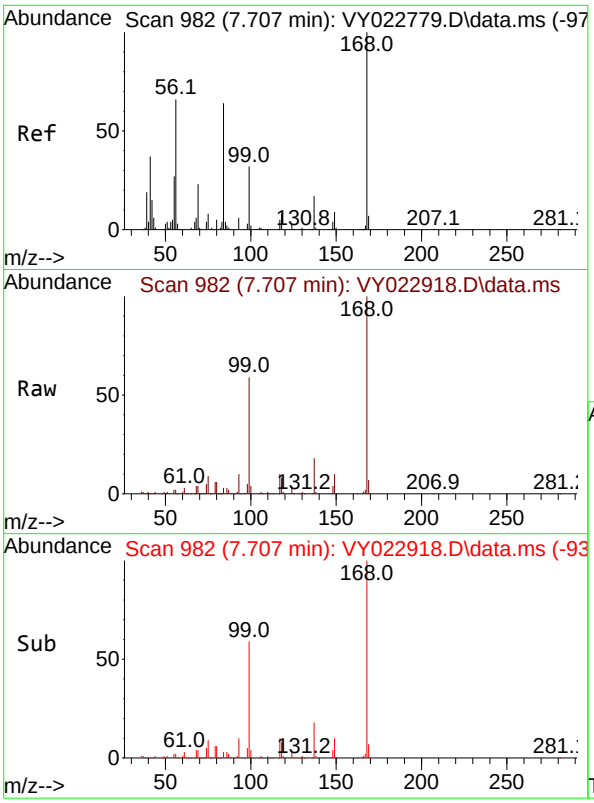
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022918.D
Acq On : 02 Jul 2025 17:30
Operator : SY/MD
Sample : Q2473-02
Misc : 8.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PIT#2

Quant Time: Jul 03 02:25:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



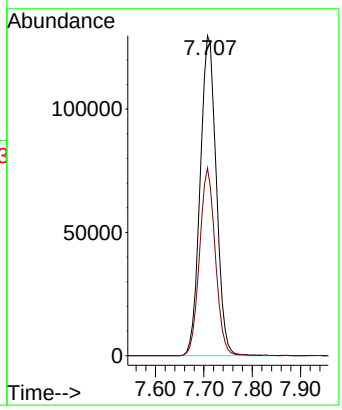


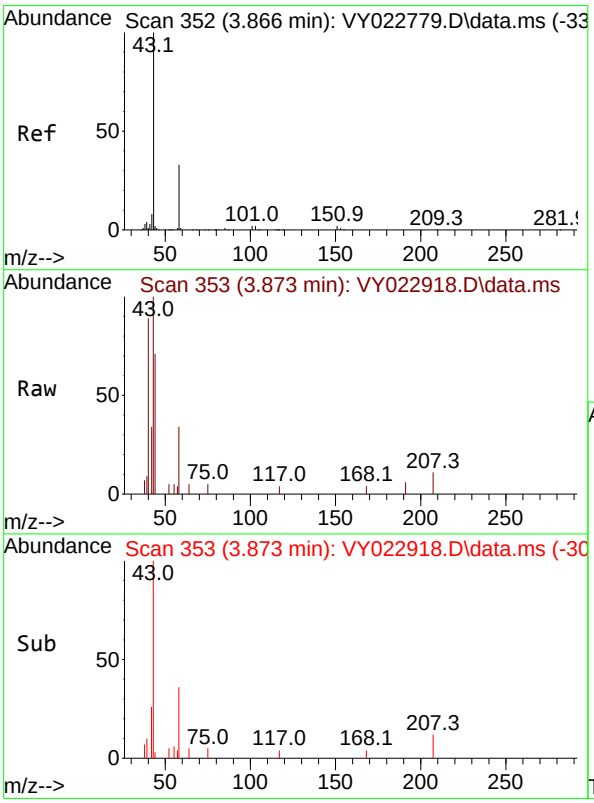
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Instrument :
MSVOA_Y
ClientSampleId :
PIT#2

Tgt Ion:168 Resp: 300149

Ion	Ratio	Lower	Upper
168	100		
99	58.7	44.3	66.5

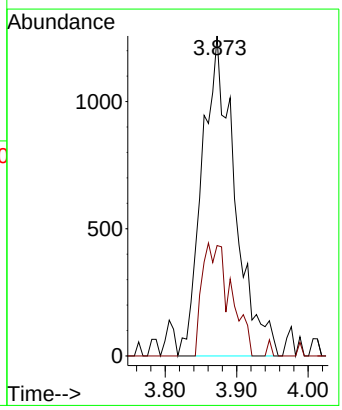


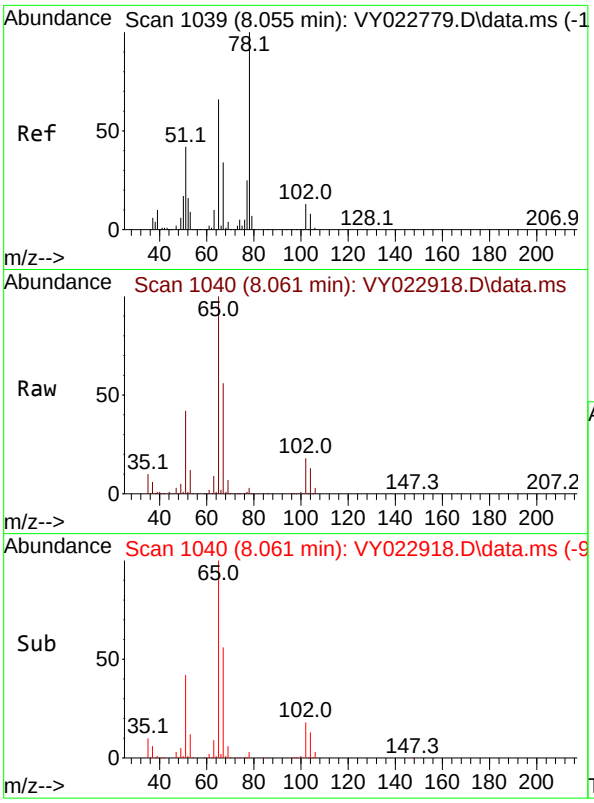


#16
Acetone
Concen: 6.302 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Tgt Ion: 43 Resp: 3990

Ion	Ratio	Lower	Upper
43	100		
58	34.5	24.0	36.0



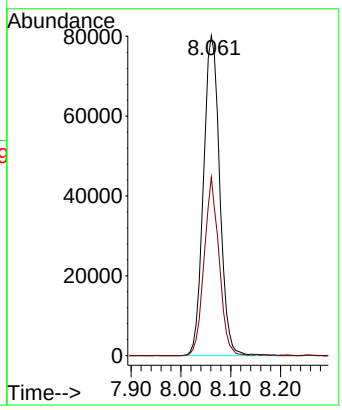


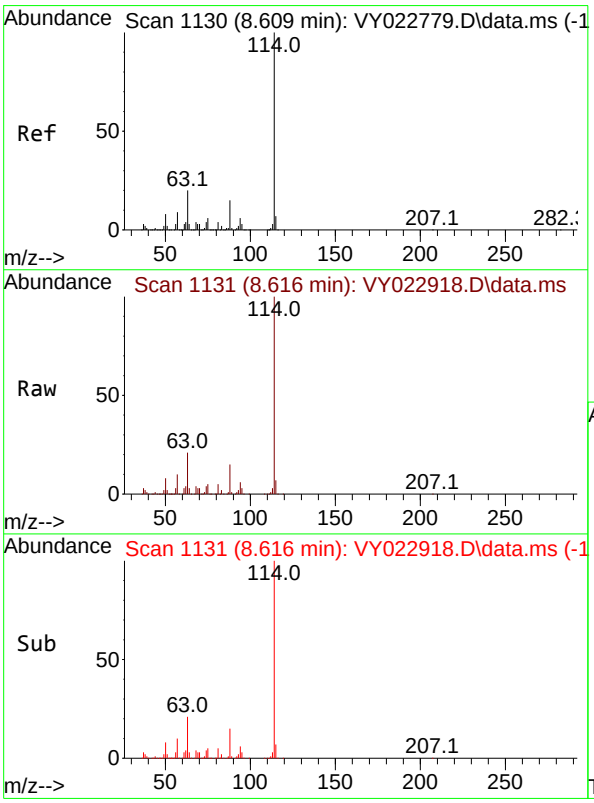
#33
1,2-Dichloroethane-d4
Concen: 54.214 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Instrument :
MSVOA_Y
ClientSampleId :
PIT#2

Tgt Ion: 65 Resp: 181616

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.4

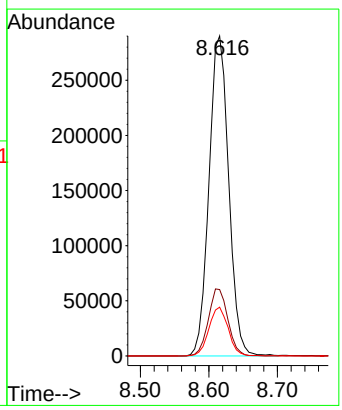


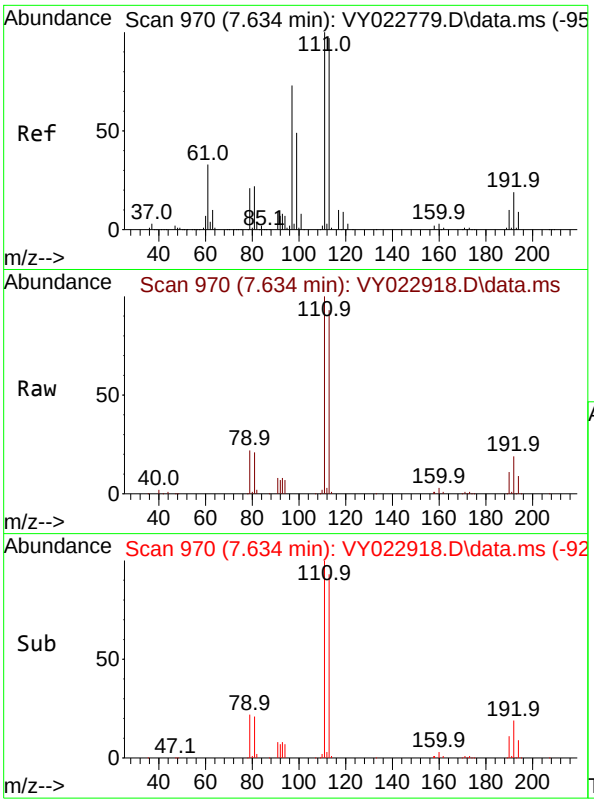


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Tgt Ion:114 Resp: 579446

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.2	0.0	27.8



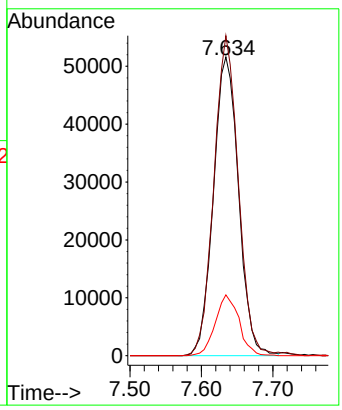


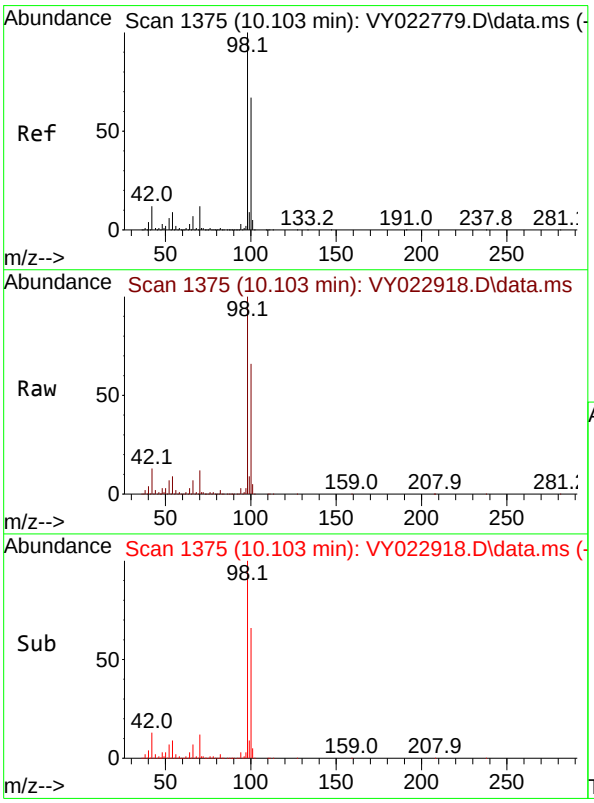
#35
Dibromofluoromethane
Concen: 35.733 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Instrument :
MSVOA_Y
ClientSampleId :
PIT#2

Tgt Ion:113 Resp: 125921

Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.1	121.7
192	19.2	14.2	21.2

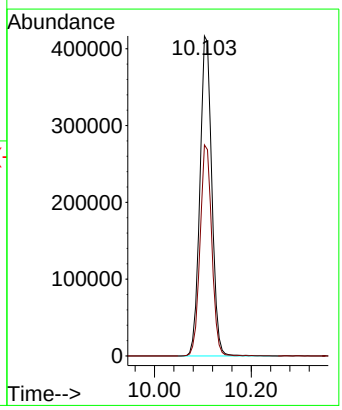


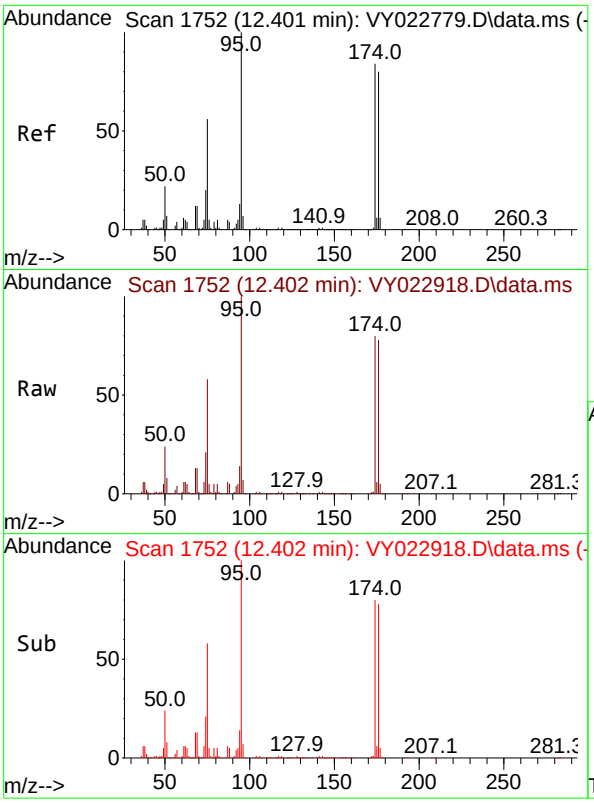


#50
Toluene-d8
Concen: 50.800 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Tgt Ion: 98 Resp: 710362

Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.4	77.0



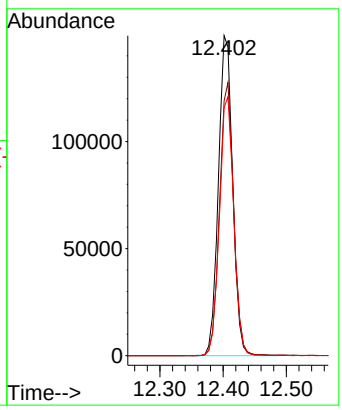


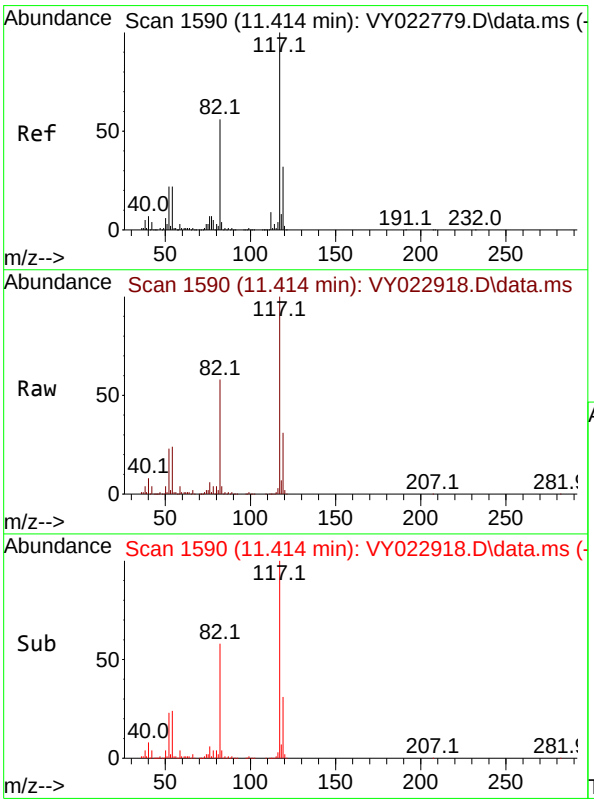
#62
4-Bromofluorobenzene
Concen: 51.856 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Instrument :
MSVOA_Y
ClientSampleId :
PIT#2

Tgt Ion: 95 Resp: 233105

Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	170.0
176	80.7	0.0	166.2

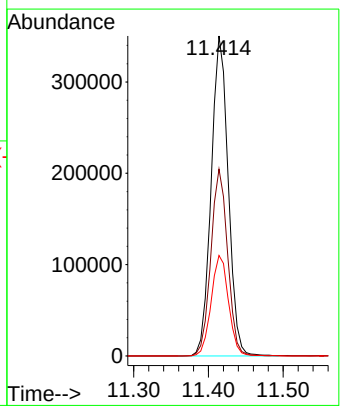


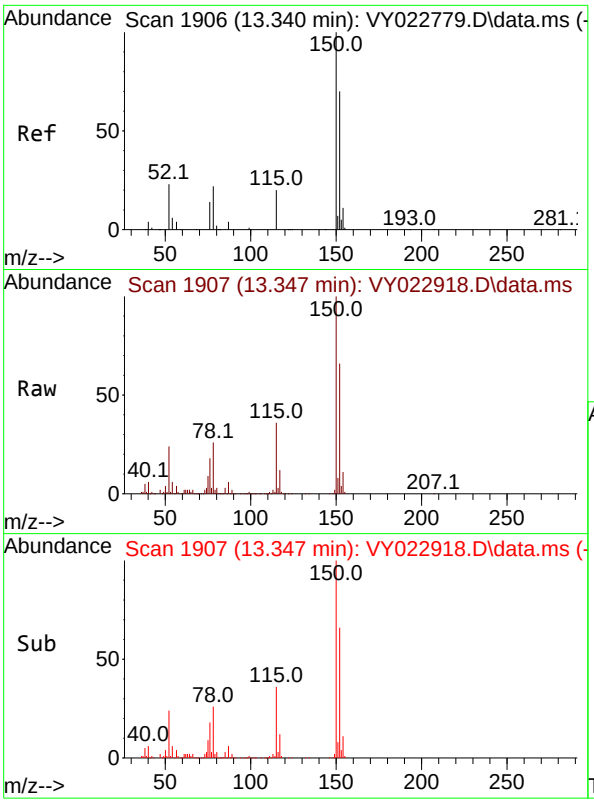


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Tgt Ion:117 Resp: 556091

Ion	Ratio	Lower	Upper
117	100		
82	58.4	44.6	66.8
119	31.4	25.4	38.0



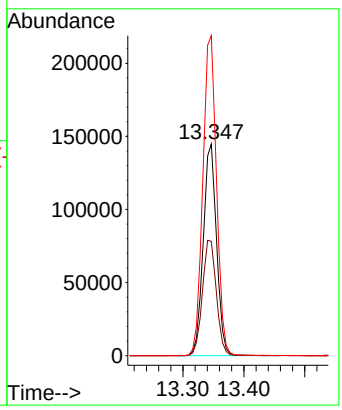


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Instrument :
MSVOA_Y
ClientSampleId :
PIT#2

Tgt Ion:152 Resp: 220138

Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.9	86.7
150	155.4	0.0	349.6



Raw Data: **VY022919.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	7.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022919.D	1	07/02/25 17:53	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	U	0.84	3.70	ug/Kg
74-87-3	Chloromethane	0.84	U	0.84	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	3.70	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	3.70	ug/Kg
75-00-3	Chloroethane	0.93	U	0.93	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.90	U	0.90	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.78	U	0.78	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	3.70	ug/Kg
67-64-1	Acetone	3.50	U	3.50	18.5	ug/Kg
75-15-0	Carbon Disulfide	0.78	U	0.78	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	3.70	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	3.70	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	18.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	3.70	ug/Kg
74-97-5	Bromochloromethane	0.85	U	0.85	3.70	ug/Kg
67-66-3	Chloroform	0.62	U	0.62	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.67	U	0.67	3.70	ug/Kg
71-43-2	Benzene	0.58	U	0.58	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	U	0.58	3.70	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.67	U	0.67	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.5	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg

Raw Data: **VY022919.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	7.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022919.D	1	07/02/25 17:53	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.5	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.65	U	0.65	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	3.70	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.92	U	0.92	7.40	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	35.9		63 - 155	72%	SPK: 50
1868-53-7	Dibromofluoromethane	38.2		70 - 134	76%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		17 - 146	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	310000	7.707			
540-36-3	1,4-Difluorobenzene	552000	8.616			
3114-55-4	Chlorobenzene-d5	476000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	182000	13.346			

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	7.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022919.D	1	07/02/25 17:53	VY070225

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\VY070225\
Data File : VY022919.D
Acq On : 02 Jul 2025 17:53
Operator : SY/MD
Sample : Q2473-03
Misc : 7.64g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PIT#3

Quant Time: Jul 03 02:26:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

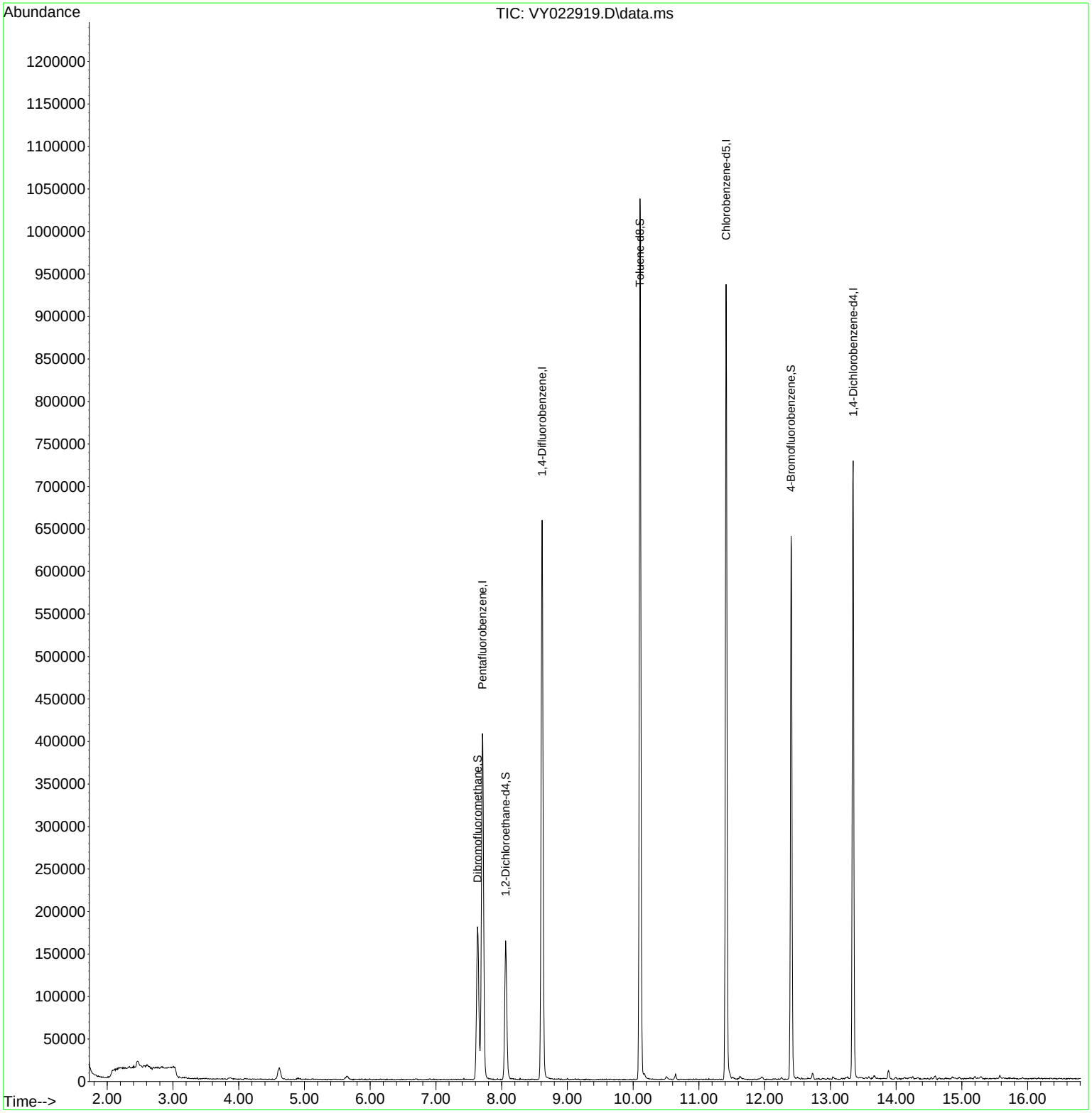
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	309766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	551696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	475549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	181660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123951	35.852	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	71.700%		
35) Dibromofluoromethane	7.634	113	128321	38.246	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	76.500%		
50) Toluene-d8	10.103	98	659965	49.570	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.140%		
62) 4-Bromofluorobenzene	12.401	95	191004	44.628	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.260%		
Target Compounds						Qvalue

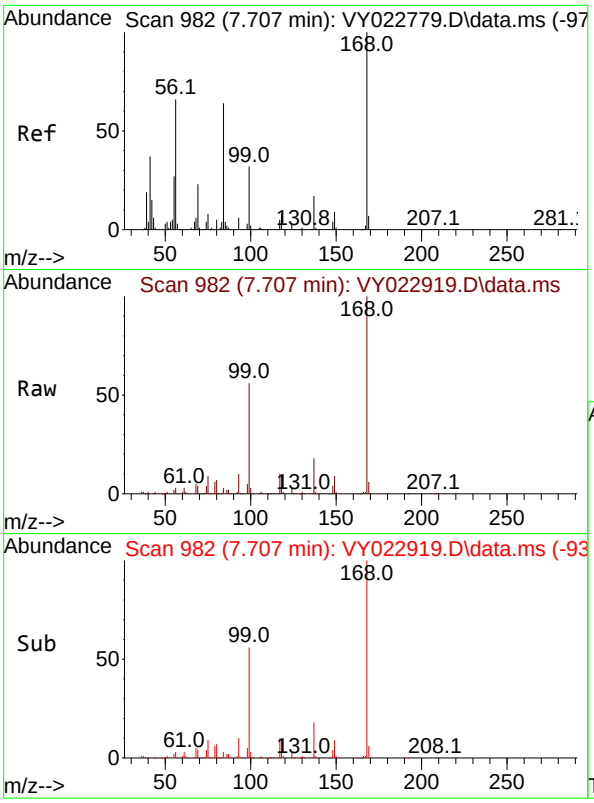
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022919.D
Acq On : 02 Jul 2025 17:53
Operator : SY/MD
Sample : Q2473-03
Misc : 7.64g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PIT#3

Quant Time: Jul 03 02:26:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



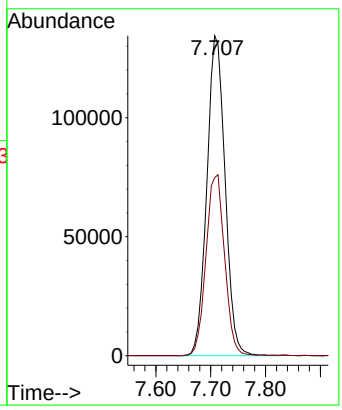


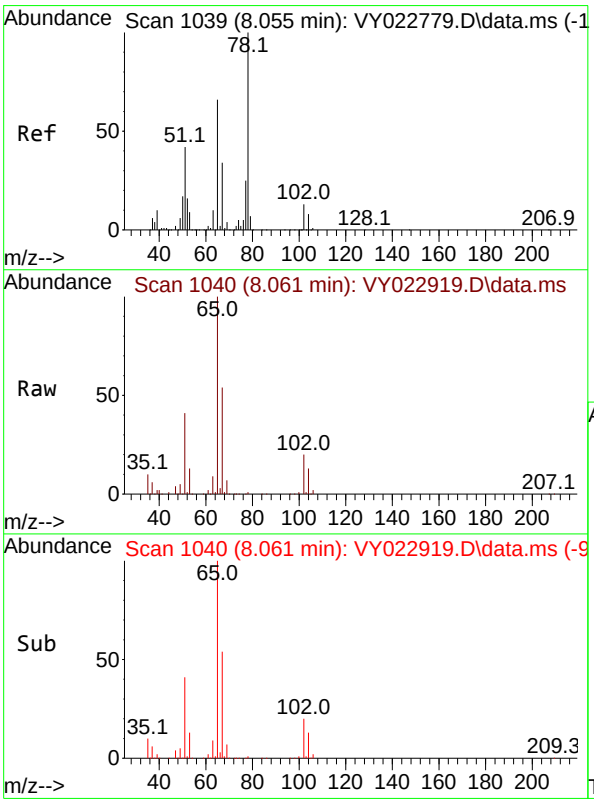
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
PIT#3

Tgt Ion:168 Resp: 309766

Ion	Ratio	Lower	Upper
168	100		
99	55.6	44.3	66.5

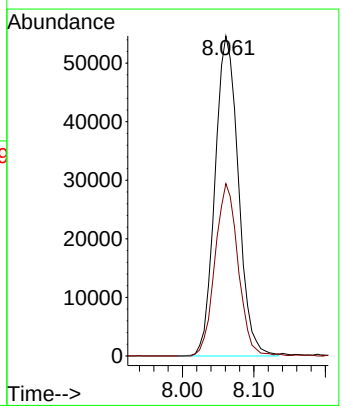


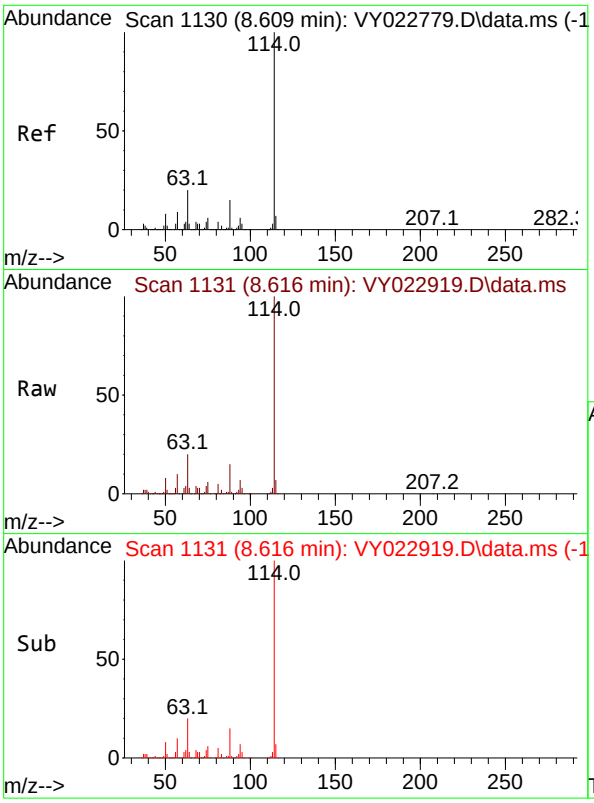


#33
1,2-Dichloroethane-d4
Concen: 35.852 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Tgt Ion: 65 Resp: 123951

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	103.4



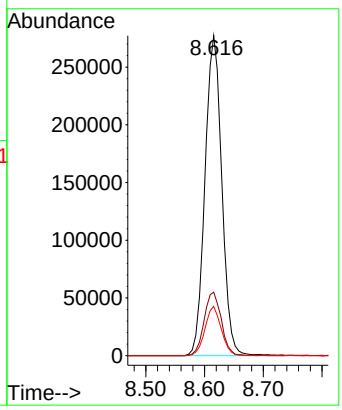


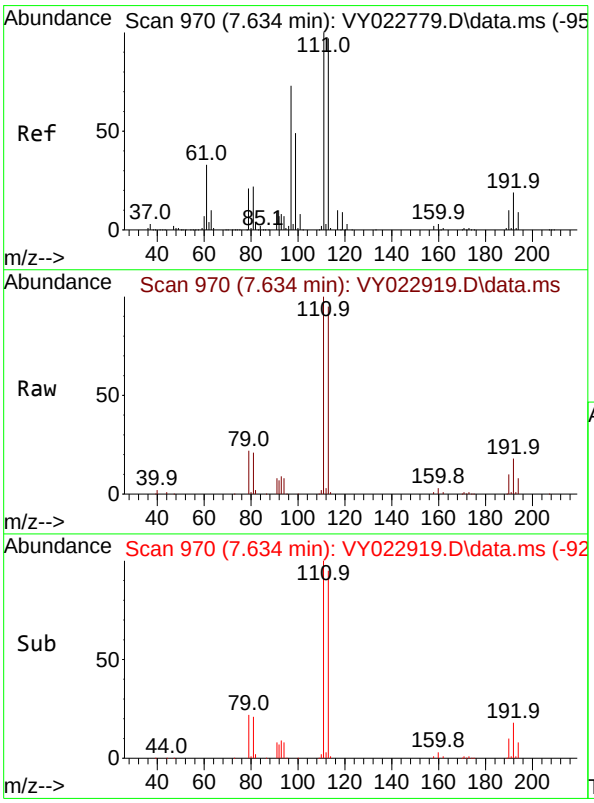
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
PIT#3

Tgt Ion:114 Resp: 551696

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.8
88	15.4	0.0	27.8

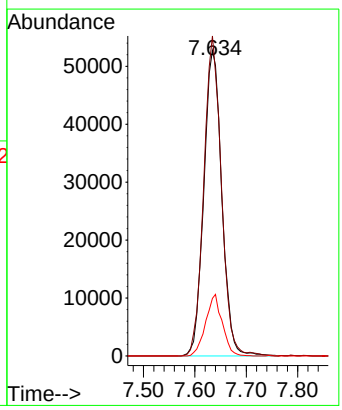


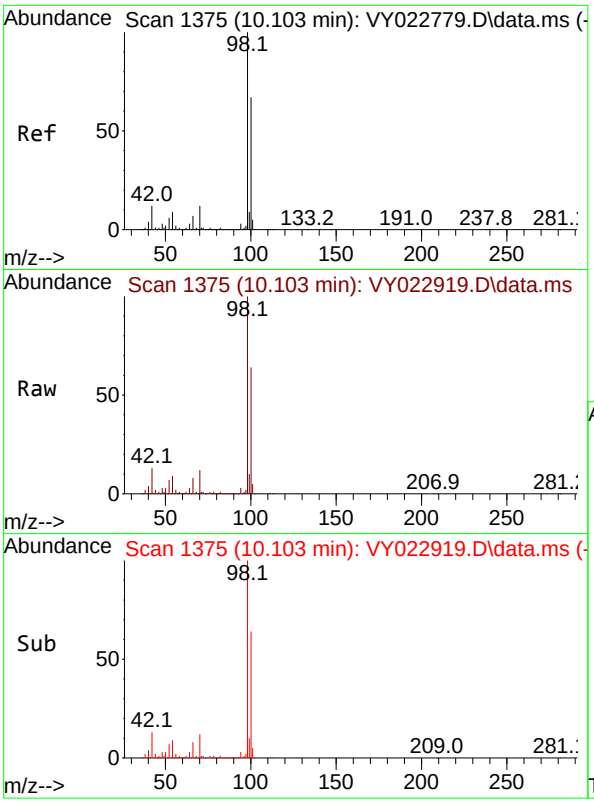


#35
Dibromofluoromethane
Concen: 38.246 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Tgt Ion:113 Resp: 128321

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.1	121.7
192	18.6	14.2	21.2



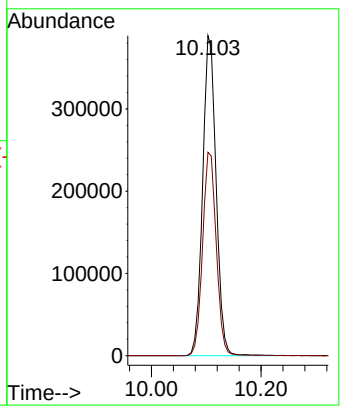


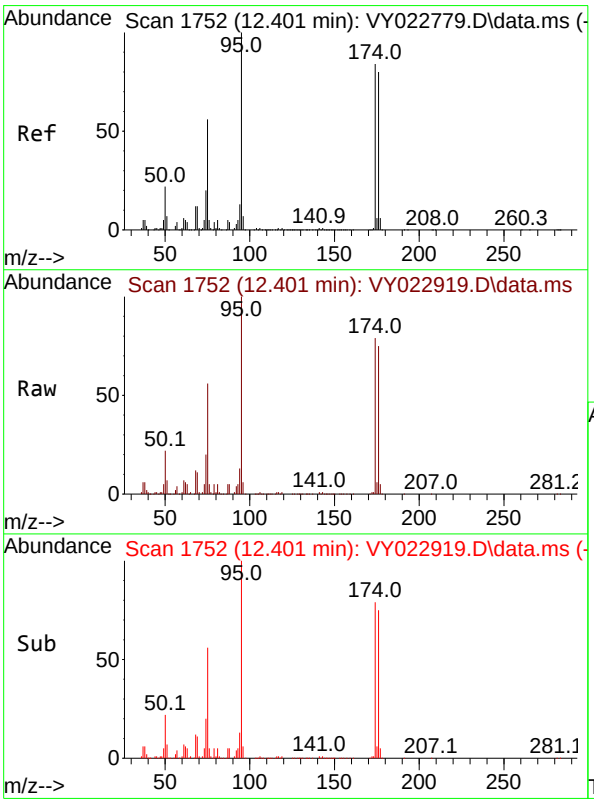
#50
Toluene-d8
Concen: 49.570 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
PIT#3

Tgt Ion: 98 Resp: 659965

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0

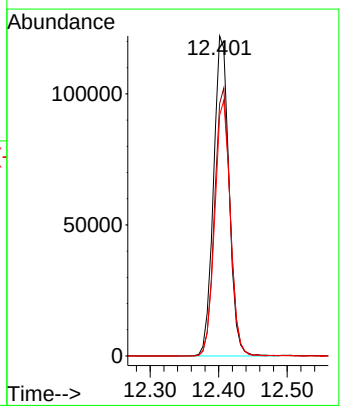


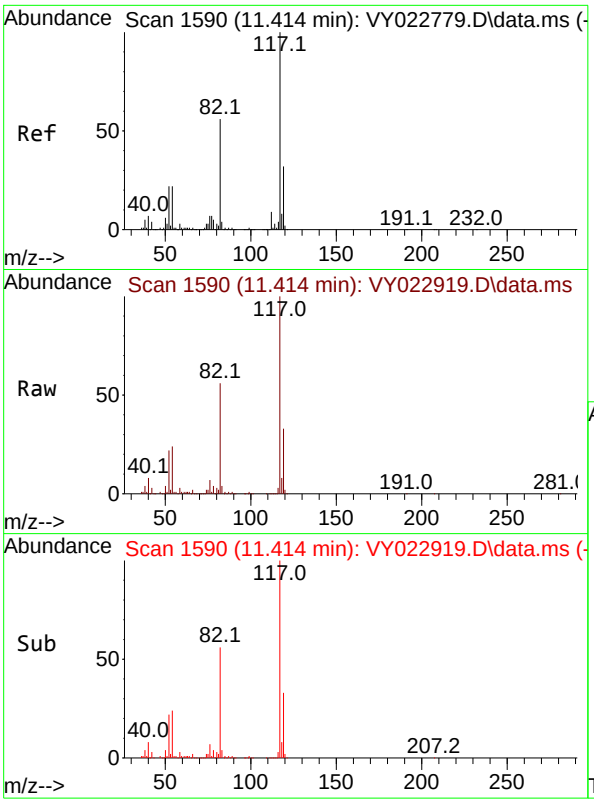


#62
4-Bromofluorobenzene
Concen: 44.628 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Tgt Ion: 95 Resp: 191004

Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	170.0
176	80.3	0.0	166.2



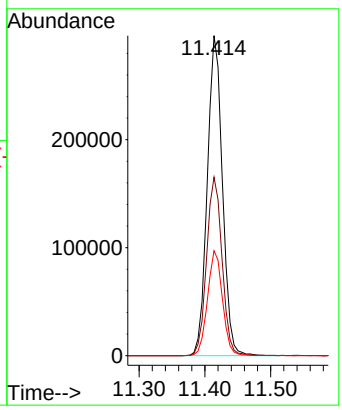


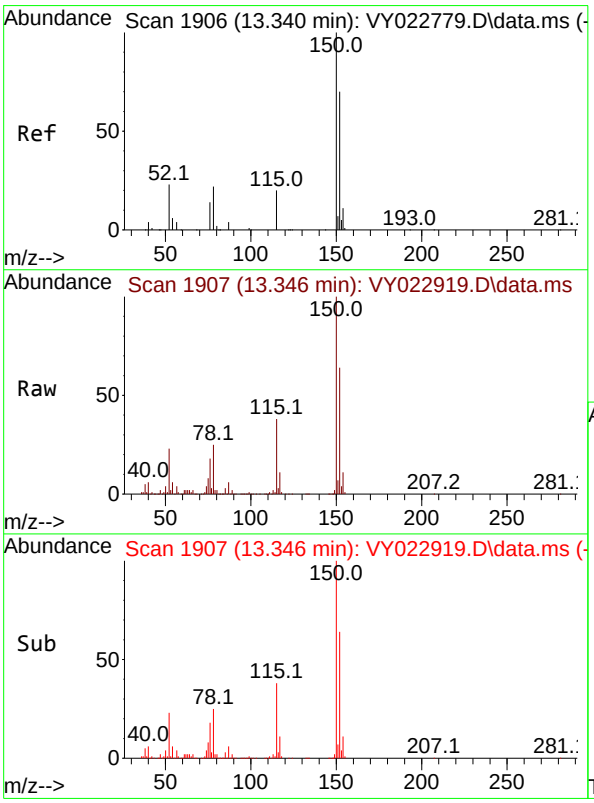
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
PIT#3

Tgt Ion:117 Resp: 475549

Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.6	66.8
119	32.8	25.4	38.0

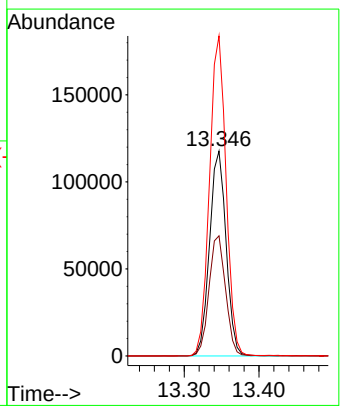




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Tgt Ion:152 Resp: 181660

Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.9	86.7
150	155.6	0.0	349.6



Raw Data: **VY022920.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	10.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022920.D	1	07/02/25 18:17	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.59	U	0.59	2.60	ug/Kg
74-87-3	Chloromethane	0.59	U	0.59	2.60	ug/Kg
75-01-4	Vinyl Chloride	0.41	U	0.41	2.60	ug/Kg
74-83-9	Bromomethane	0.55	U	0.55	2.60	ug/Kg
75-00-3	Chloroethane	0.65	U	0.65	2.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	U	0.62	2.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.55	U	0.55	2.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.51	U	0.51	2.60	ug/Kg
67-64-1	Acetone	39.8		2.40	12.9	ug/Kg
75-15-0	Carbon Disulfide	0.55	U	0.55	2.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.38	U	0.38	2.60	ug/Kg
79-20-9	Methyl Acetate	0.79	U	0.79	2.60	ug/Kg
75-09-2	Methylene Chloride	1.80	U	1.80	5.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.44	U	0.44	2.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.41	U	0.41	2.60	ug/Kg
110-82-7	Cyclohexane	0.41	U	0.41	2.60	ug/Kg
78-93-3	2-Butanone	4.50	J	3.40	12.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.50	U	0.50	2.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.39	U	0.39	2.60	ug/Kg
74-97-5	Bromochloromethane	0.59	U	0.59	2.60	ug/Kg
67-66-3	Chloroform	0.43	U	0.43	2.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.48	U	0.48	2.60	ug/Kg
108-87-2	Methylcyclohexane	0.47	U	0.47	2.60	ug/Kg
71-43-2	Benzene	0.41	U	0.41	2.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.41	U	0.41	2.60	ug/Kg
79-01-6	Trichloroethene	0.42	U	0.42	2.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.47	U	0.47	2.60	ug/Kg
75-27-4	Bromodichloromethane	0.40	U	0.40	2.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.80	U	1.80	12.9	ug/Kg
108-88-3	Toluene	0.40	U	0.40	2.60	ug/Kg

Raw Data: **VY022920.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	10.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022920.D	1	07/02/25 18:17	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.33	U	0.33	2.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.32	U	0.32	2.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.47	U	0.47	2.60	ug/Kg
591-78-6	2-Hexanone	1.90	U	1.90	12.9	ug/Kg
124-48-1	Dibromochloromethane	0.45	U	0.45	2.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.45	U	0.45	2.60	ug/Kg
127-18-4	Tetrachloroethene	0.54	U	0.54	2.60	ug/Kg
108-90-7	Chlorobenzene	0.47	U	0.47	2.60	ug/Kg
100-41-4	Ethyl Benzene	0.34	U	0.34	2.60	ug/Kg
179601-23-1	m/p-Xylenes	0.64	U	0.64	5.10	ug/Kg
95-47-6	o-Xylene	0.42	U	0.42	2.60	ug/Kg
100-42-5	Styrene	0.37	U	0.37	2.60	ug/Kg
75-25-2	Bromoform	0.44	U	0.44	2.60	ug/Kg
98-82-8	Isopropylbenzene	0.40	U	0.40	2.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.62	U	0.62	2.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	2.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	2.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.75	U	0.75	2.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.95	U	0.95	2.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.50	U	1.50	2.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.60	U	1.60	2.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.1		63 - 155	120%	SPK: 50
1868-53-7	Dibromofluoromethane	30.3	*	70 - 134	61%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.4		17 - 146	119%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	269000	7.707			
540-36-3	1,4-Difluorobenzene	521000	8.616			
3114-55-4	Chlorobenzene-d5	540000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	245000	13.346			

Raw Data: **VY022920.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	10.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022920.D	1	07/02/25 18:17	VY070225

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\VY070225\
Data File : VY022920.D
Acq On : 02 Jul 2025 18:17
Operator : SY/MD
Sample : Q2473-04
Misc : 10.71g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4

Quant Time: Jul 03 02:26:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

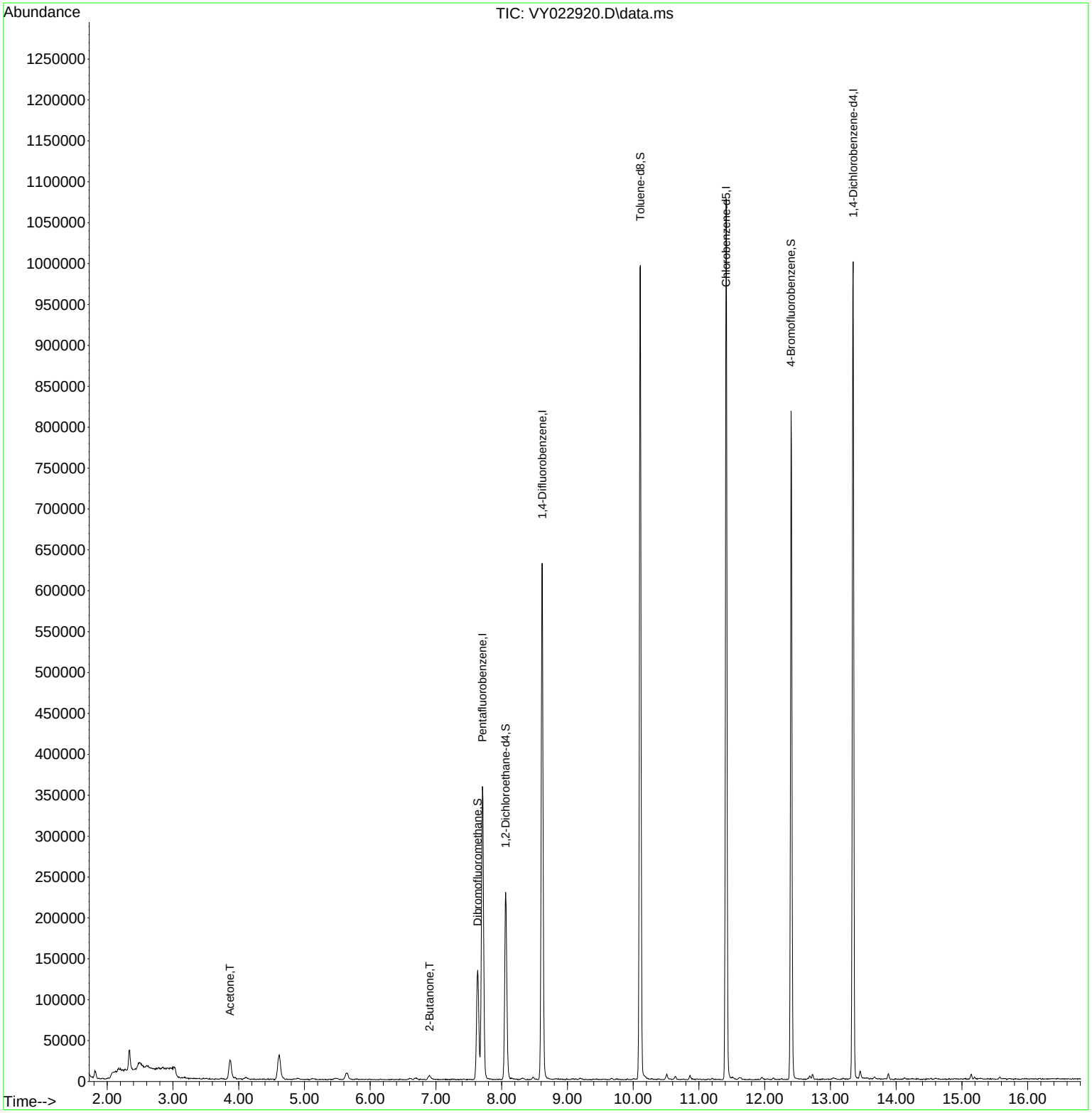
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	269260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	521273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	540209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	244944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	180615	60.101	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.200%			
35) Dibromofluoromethane	7.634	113	96152	30.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 60.660%			
50) Toluene-d8	10.109	98	647893	51.504	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.000%			
62) 4-Bromofluorobenzene	12.401	95	240320	59.428	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 118.860%			
Target Compounds						Qvalue
16) Acetone	3.866	43	43866	77.228	ug/l	99
25) 2-Butanone	6.902	43	7198	8.707	ug/l	100

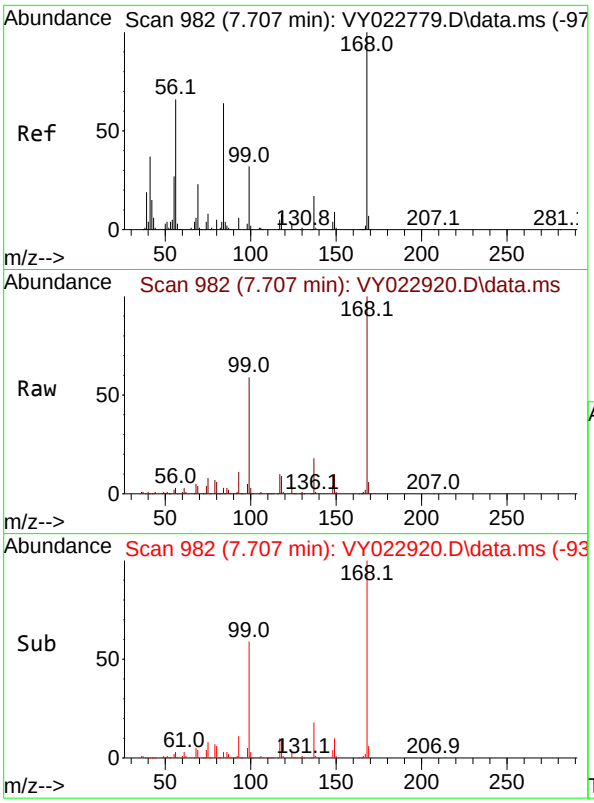
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022920.D
Acq On : 02 Jul 2025 18:17
Operator : SY/MD
Sample : Q2473-04
Misc : 10.71g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4

Quant Time: Jul 03 02:26:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



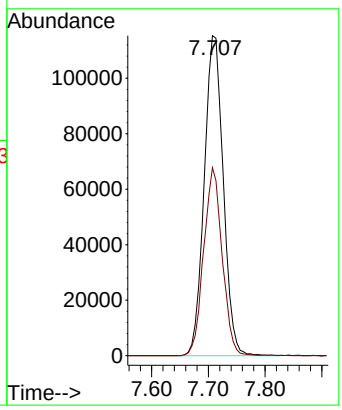


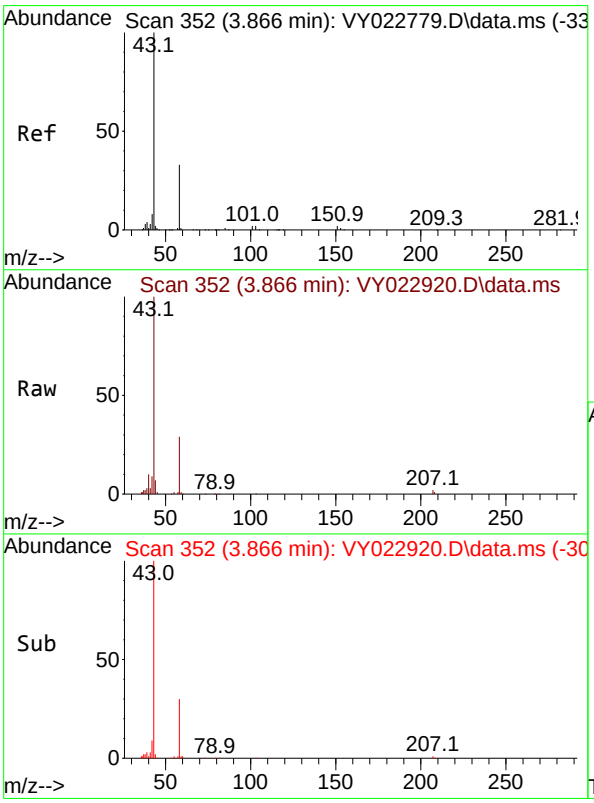
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4

Tgt Ion:168 Resp: 269260

Ion	Ratio	Lower	Upper
168	100		
99	58.8	44.3	66.5

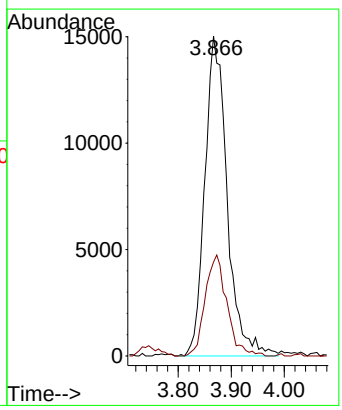


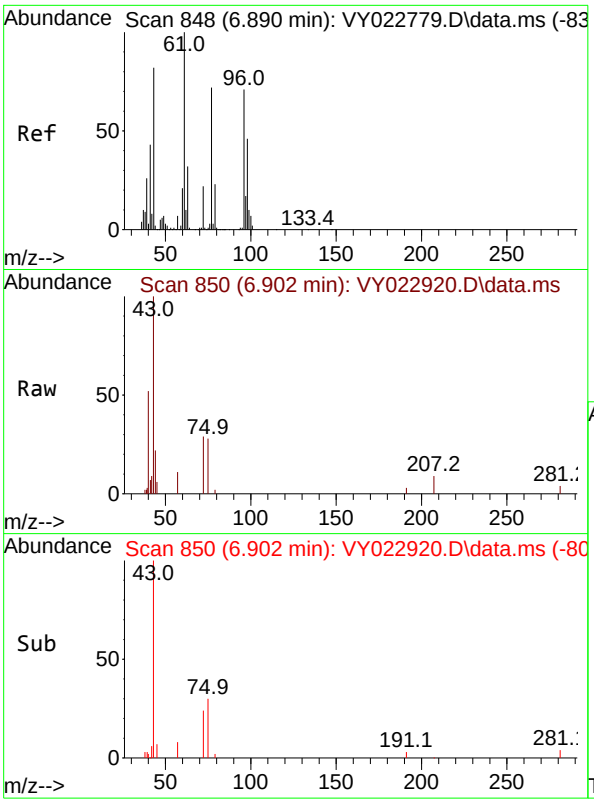


#16
Acetone
Concen: 77.228 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Tgt Ion: 43 Resp: 43866

Ion	Ratio	Lower	Upper
43	100		
58	29.4	24.0	36.0



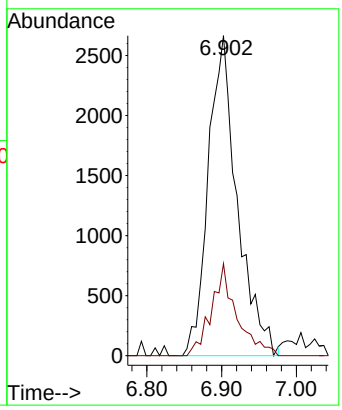


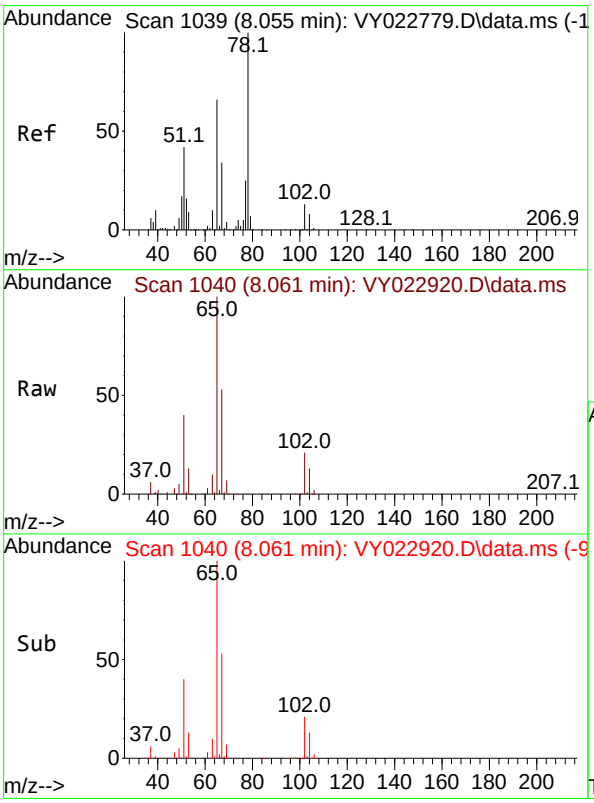
#25
2-Butanone
Concen: 8.707 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4

Tgt Ion: 43 Resp: 7198

Ion	Ratio	Lower	Upper
43	100		
72	28.7	22.9	34.3

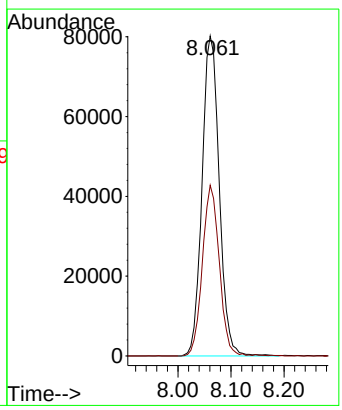


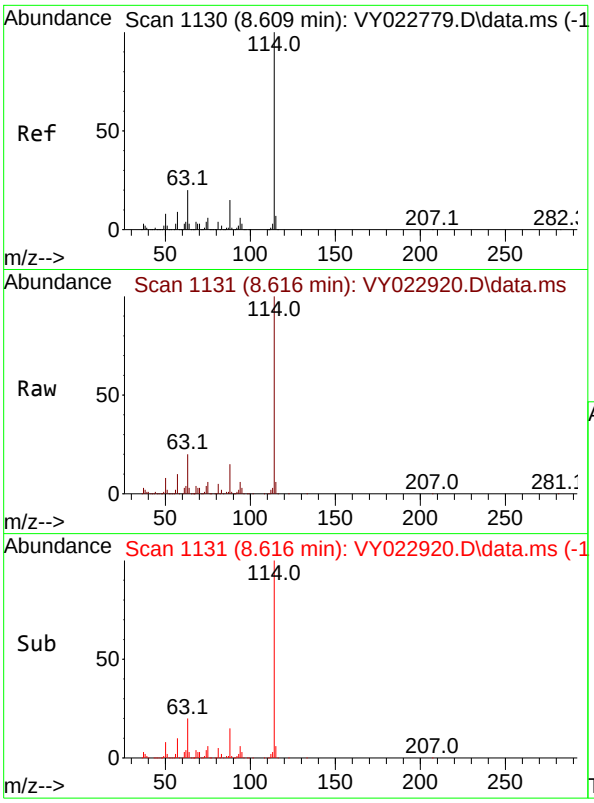


#33
1,2-Dichloroethane-d4
Concen: 60.101 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Tgt Ion: 65 Resp: 180615

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.4



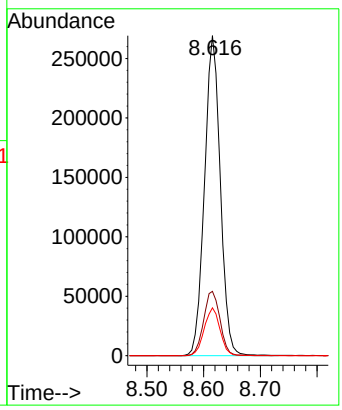


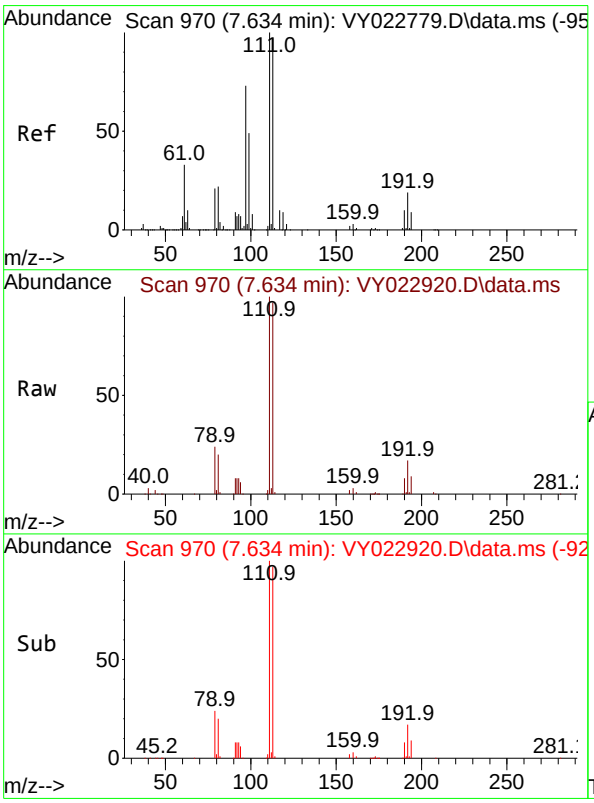
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4

Tgt Ion:114 Resp: 521273

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.9	0.0	27.8

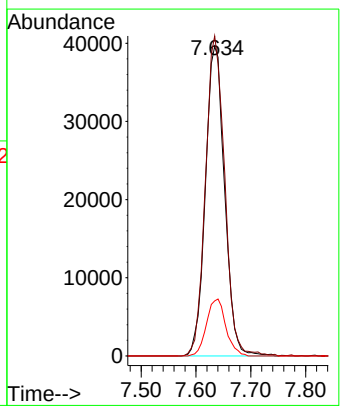


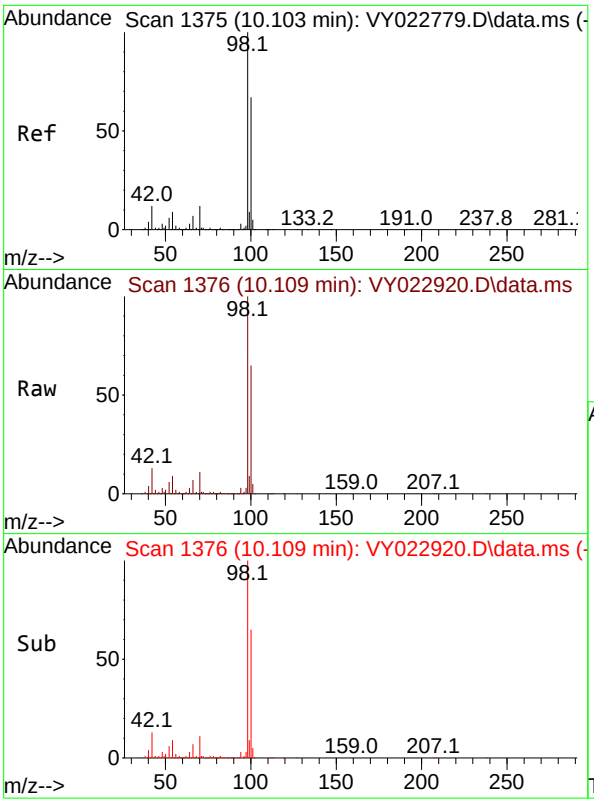


#35
Dibromofluoromethane
Concen: 30.331 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Tgt Ion:113 Resp: 96152

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.1	121.7
192	18.6	14.2	21.2



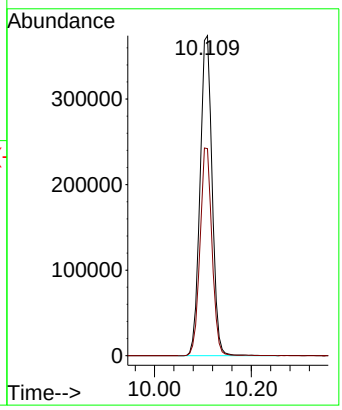


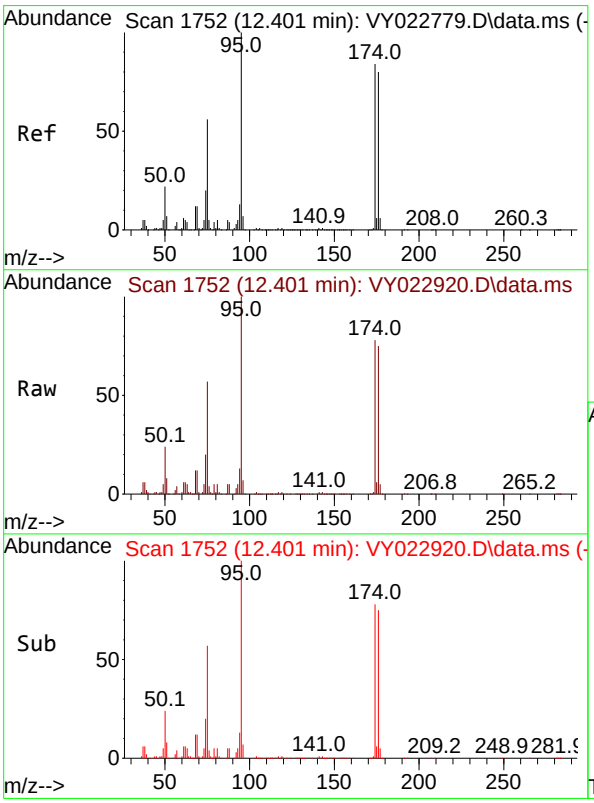
#50
Toluene-d8
Concen: 51.504 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4

Tgt Ion: 98 Resp: 647893

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0

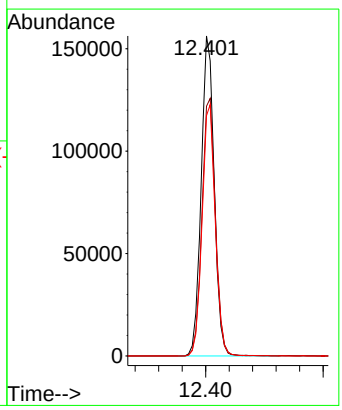


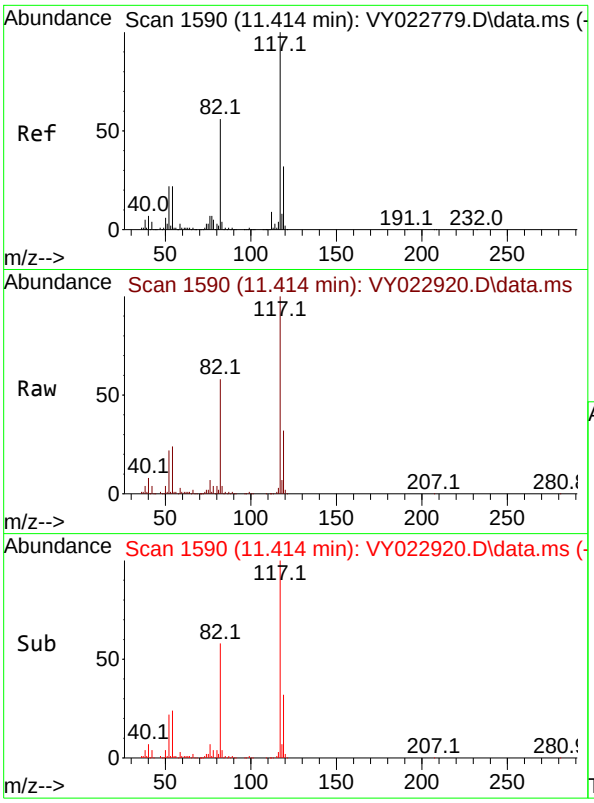


#62
4-Bromofluorobenzene
Concen: 59.428 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Tgt Ion: 95 Resp: 240320

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	170.0
176	79.4	0.0	166.2



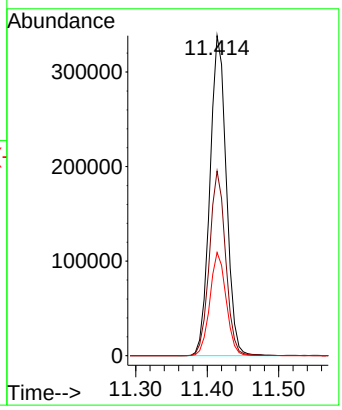


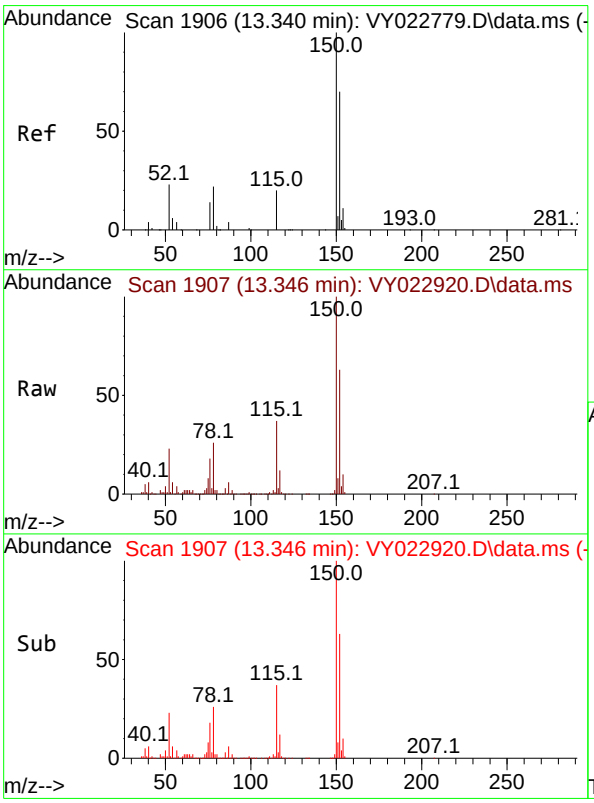
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4

Tgt Ion:117 Resp: 540209

Ion	Ratio	Lower	Upper
117	100		
82	57.7	44.6	66.8
119	32.3	25.4	38.0

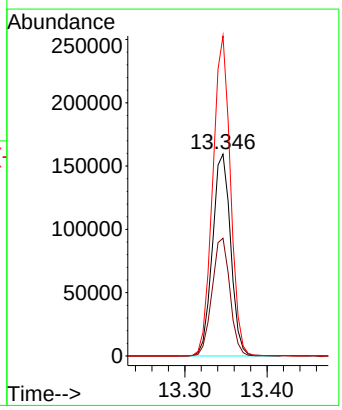




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Tgt Ion:152 Resp: 244944

Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.9	86.7
150	154.1	0.0	349.6



Raw Data: **VY022936.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4RE	SDG No.:	Q2473
Lab Sample ID:	Q2473-04RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	7.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022936.D	1	07/03/25 12:39	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.86	U	0.86	3.80	ug/Kg
74-87-3	Chloromethane	0.86	U	0.86	3.80	ug/Kg
75-01-4	Vinyl Chloride	0.60	U	0.60	3.80	ug/Kg
74-83-9	Bromomethane	0.81	U	0.81	3.80	ug/Kg
75-00-3	Chloroethane	0.96	U	0.96	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.92	U	0.92	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.76	U	0.76	3.80	ug/Kg
67-64-1	Acetone	39.2		3.60	19.0	ug/Kg
75-15-0	Carbon Disulfide	0.80	U	0.80	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	3.80	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.80	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.65	U	0.65	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.61	U	0.61	3.80	ug/Kg
110-82-7	Cyclohexane	0.60	U	0.60	3.80	ug/Kg
78-93-3	2-Butanone	5.00	U	5.00	19.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	U	0.74	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.57	U	0.57	3.80	ug/Kg
74-97-5	Bromochloromethane	0.87	U	0.87	3.80	ug/Kg
67-66-3	Chloroform	0.64	U	0.64	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.71	U	0.71	3.80	ug/Kg
108-87-2	Methylcyclohexane	0.69	U	0.69	3.80	ug/Kg
71-43-2	Benzene	0.60	U	0.60	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	3.80	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.69	U	0.69	3.80	ug/Kg
75-27-4	Bromodichloromethane	0.59	U	0.59	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	19.0	ug/Kg
108-88-3	Toluene	0.59	U	0.59	3.80	ug/Kg

Raw Data: **VY022936.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4RE	SDG No.:	Q2473
Lab Sample ID:	Q2473-04RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	7.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022936.D	1	07/03/25 12:39	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	3.80	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	19.0	ug/Kg
124-48-1	Dibromochloromethane	0.66	U	0.66	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.67	U	0.67	3.80	ug/Kg
127-18-4	Tetrachloroethene	0.80	U	0.80	3.80	ug/Kg
108-90-7	Chlorobenzene	0.69	U	0.69	3.80	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	3.80	ug/Kg
179601-23-1	m/p-Xylenes	0.94	U	0.94	7.60	ug/Kg
95-47-6	o-Xylene	0.62	U	0.62	3.80	ug/Kg
100-42-5	Styrene	0.54	U	0.54	3.80	ug/Kg
75-25-2	Bromoform	0.65	U	0.65	3.80	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.92	U	0.92	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	2.30	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.8		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	31.1	*	70 - 134	62%	SPK: 50
2037-26-5	Toluene-d8	49.0		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		17 - 146	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	95600	7.707			
540-36-3	1,4-Difluorobenzene	165000	8.616			
3114-55-4	Chlorobenzene-d5	149000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	56100	13.346			

Raw Data: **VY022936.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4RE	SDG No.:	Q2473
Lab Sample ID:	Q2473-04RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	7.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022936.D	1	07/03/25 12:39	VY070325

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\VY070325\
Data File : VY022936.D
Acq On : 03 Jul 2025 12:39
Operator : SY/MD
Sample : Q2473-04RE
Misc : 7.27g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4RE

Quant Time: Jul 04 03:18:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

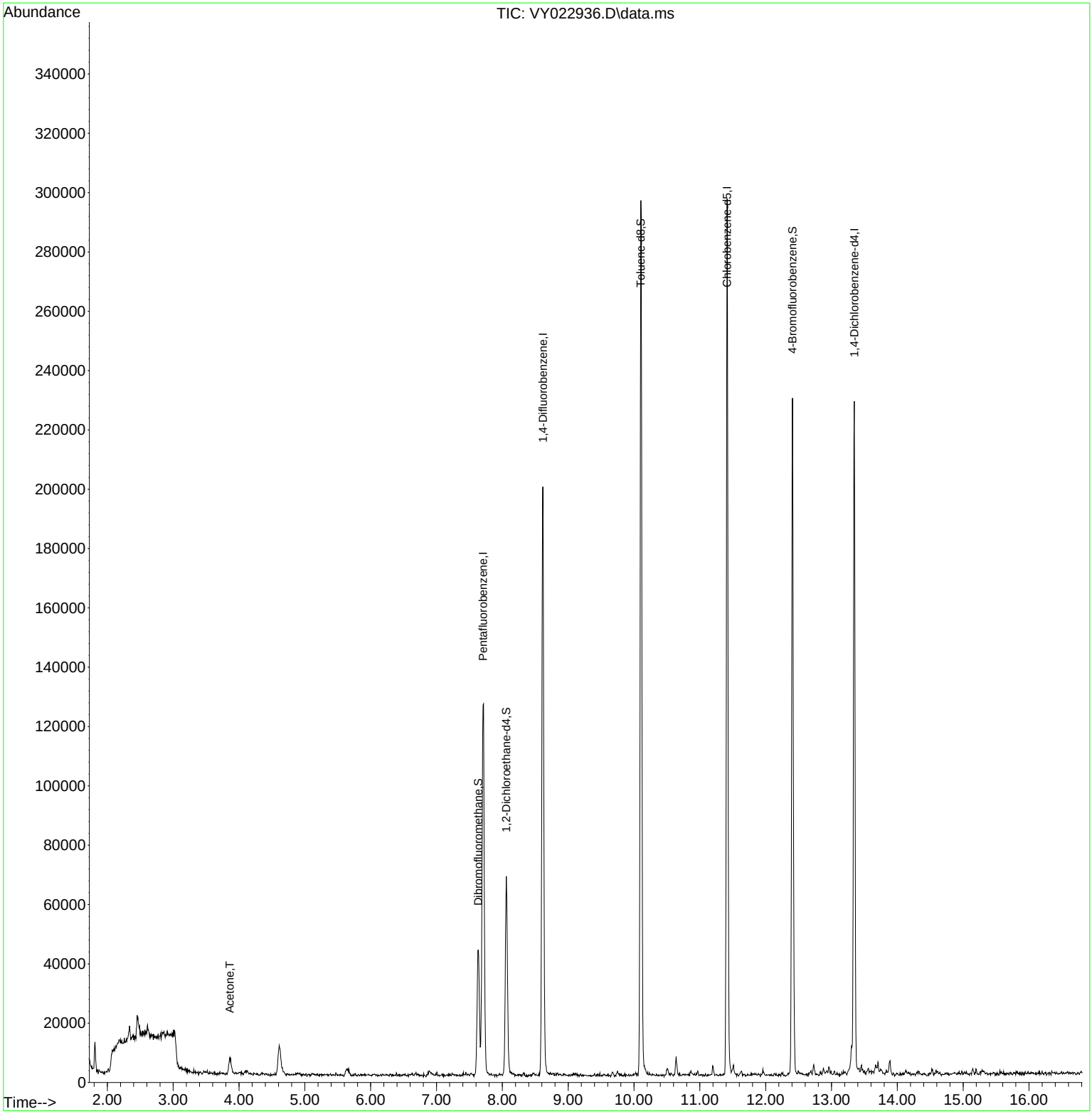
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	95586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	165245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	149379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	56106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	52063	48.801	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.600%			
35) Dibromofluoromethane	7.634	113	31217	31.064	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 62.120%			
50) Toluene-d8	10.103	98	195347	48.987	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.980%			
62) 4-Bromofluorobenzene	12.408	95	59387	46.326	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.660%			
Target Compounds						Qvalue
16) Acetone	3.860	43	10436	51.756	ug/l #	88

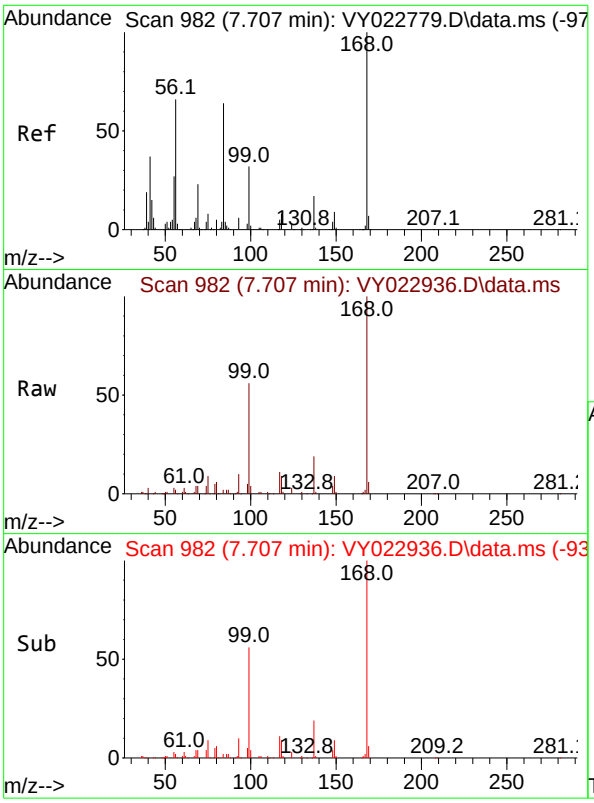
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022936.D
Acq On : 03 Jul 2025 12:39
Operator : SY/MD
Sample : Q2473-04RE
Misc : 7.27g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4RE

Quant Time: Jul 04 03:18:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



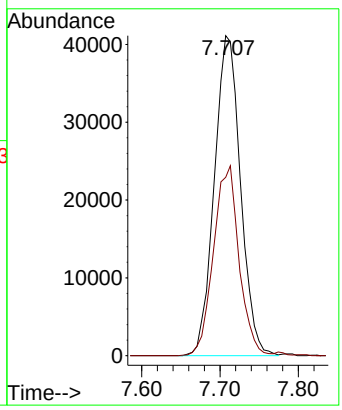


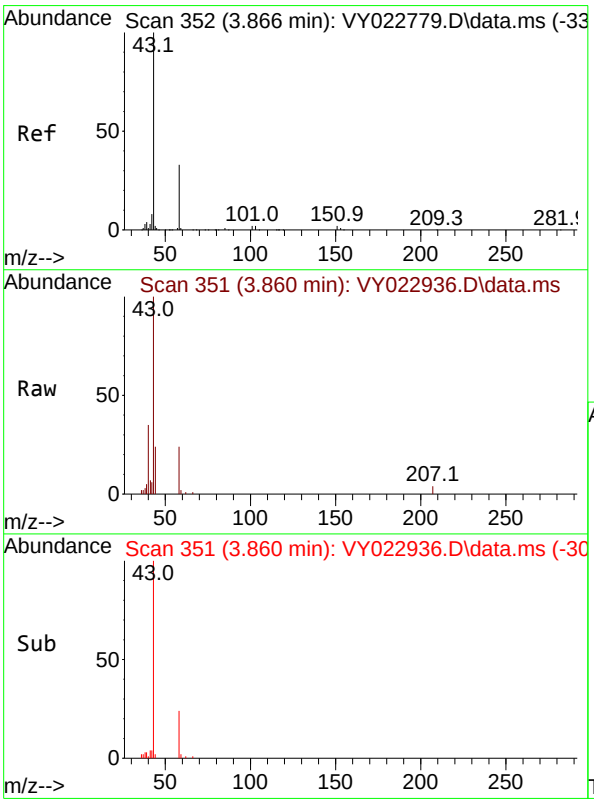
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4RE

Tgt Ion:168 Resp: 95586

Ion	Ratio	Lower	Upper
168	100		
99	55.8	44.3	66.5

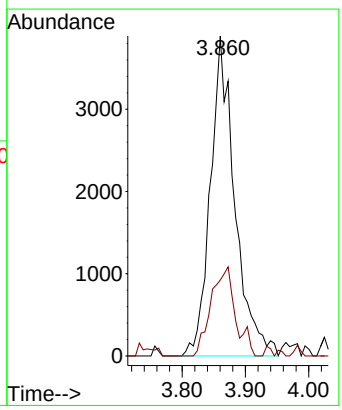


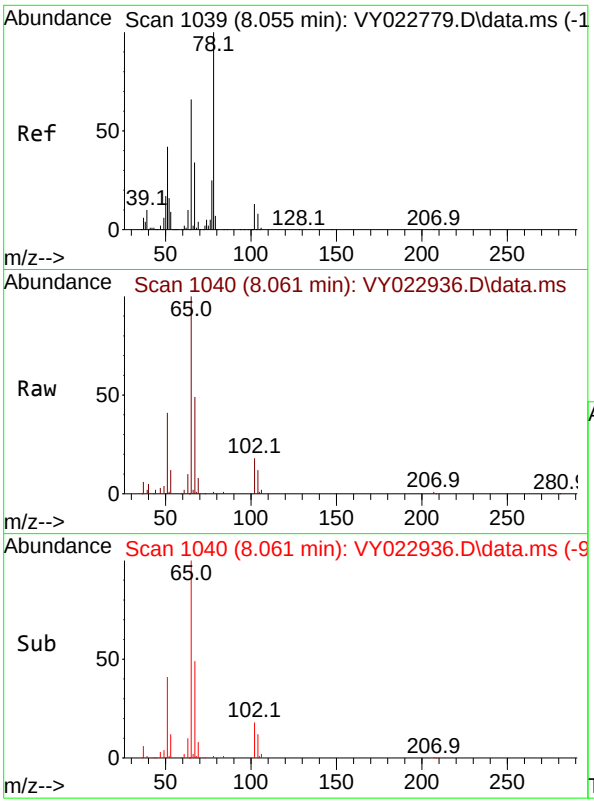


#16
Acetone
Concen: 51.756 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

Tgt Ion: 43 Resp: 10436

Ion	Ratio	Lower	Upper
43	100		
58	23.7	24.0	36.0#



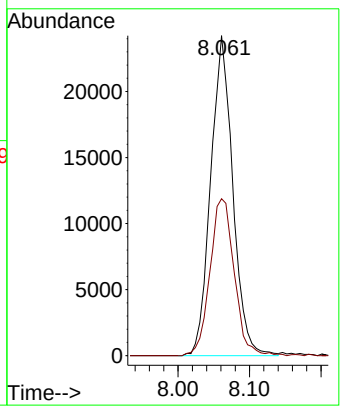


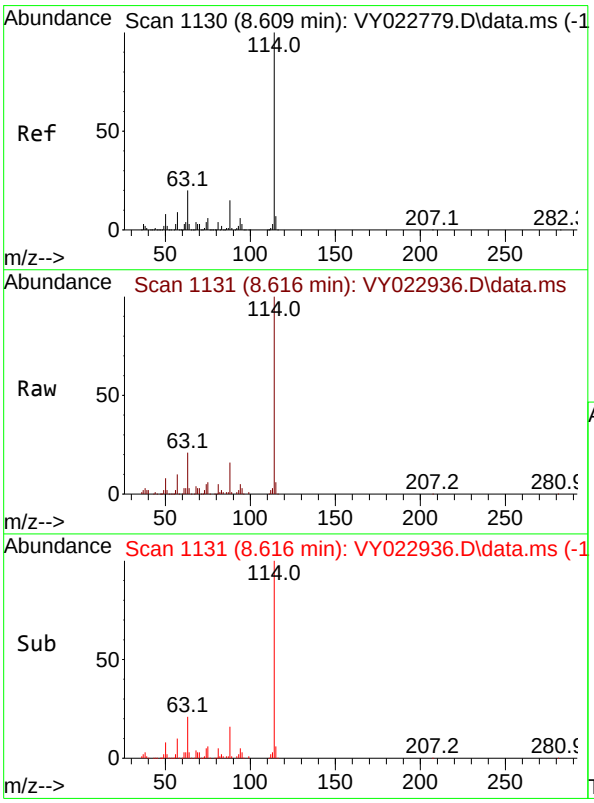
#33
1,2-Dichloroethane-d4
Concen: 48.801 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4RE

Tgt Ion: 65 Resp: 52063

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	103.4

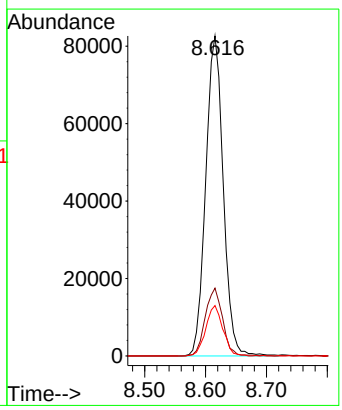


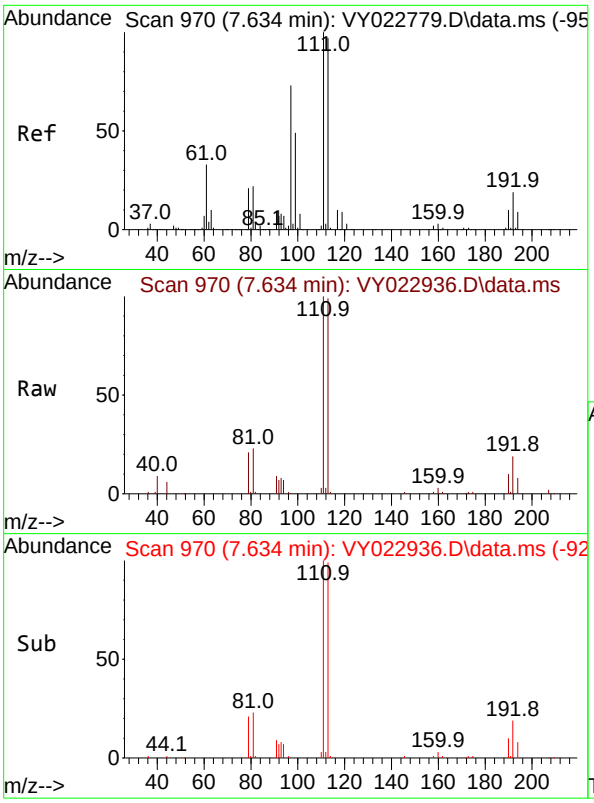


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

Tgt Ion:114 Resp: 165245

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.8
88	15.7	0.0	27.8



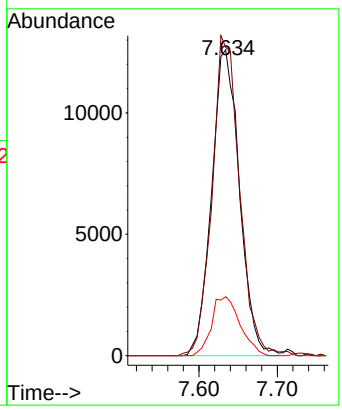


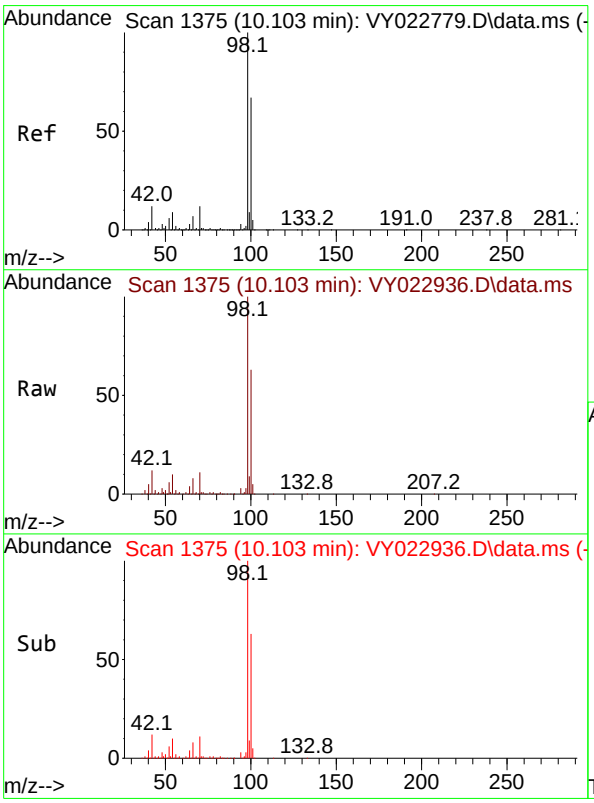
#35
Dibromofluoromethane
Concen: 31.064 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4RE

Tgt Ion:113 Resp: 31217

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.1	121.7
192	19.7	14.2	21.2

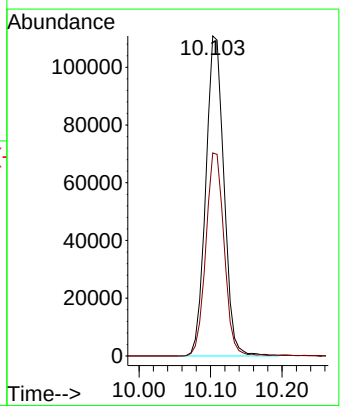


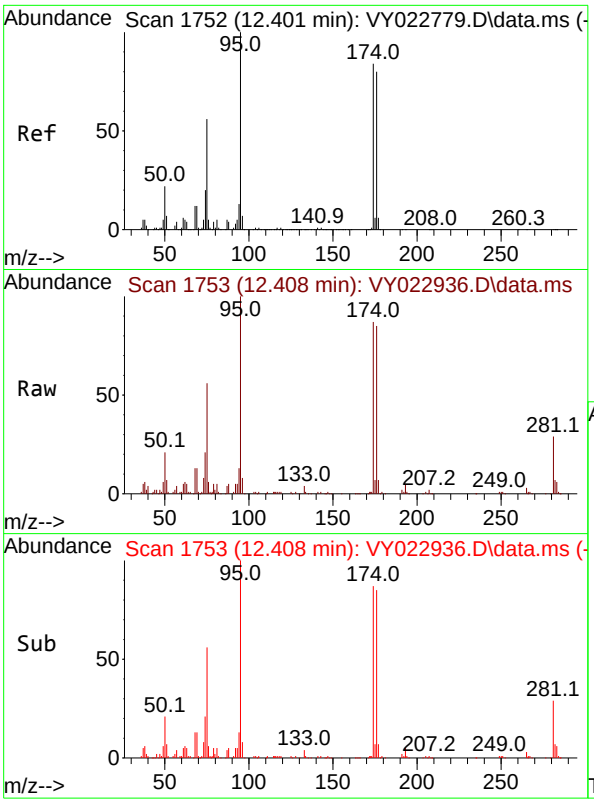


#50
Toluene-d8
Concen: 48.987 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

Tgt Ion: 98 Resp: 195347

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0



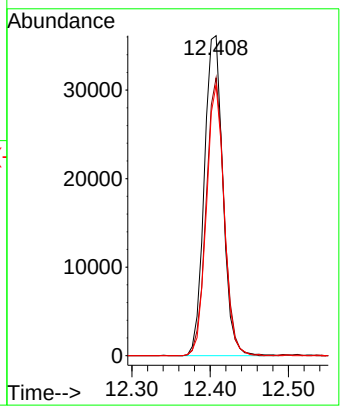


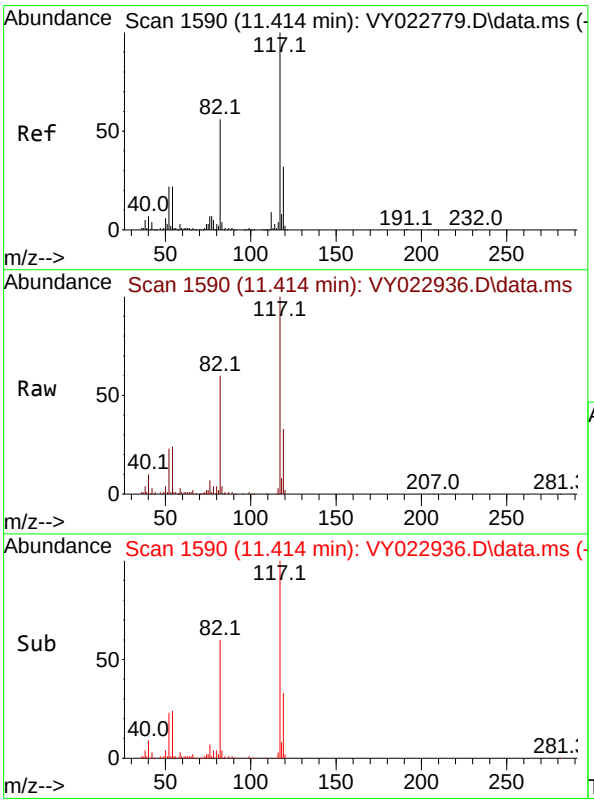
#62
4-Bromofluorobenzene
Concen: 46.326 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4RE

Tgt Ion: 95 Resp: 59387

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	170.0
176	80.8	0.0	166.2

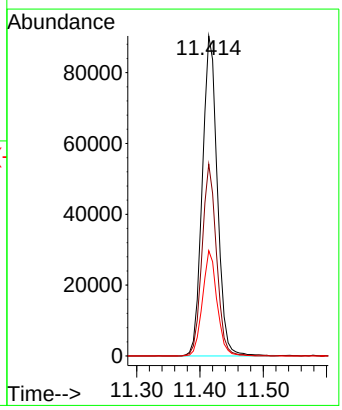


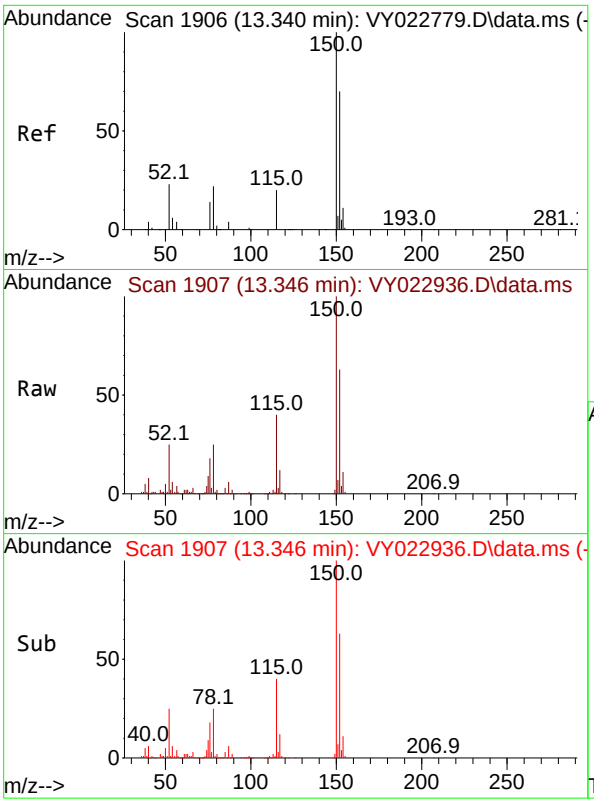


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

Tgt Ion:117 Resp: 149379

Ion	Ratio	Lower	Upper
117	100		
82	59.9	44.6	66.8
119	32.9	25.4	38.0



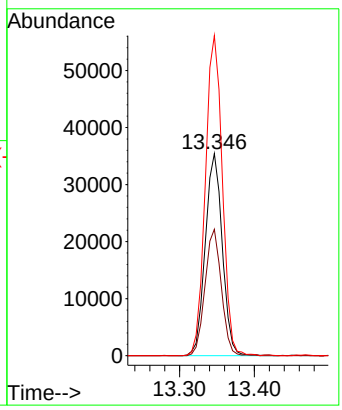


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4RE

Tgt Ion:152 Resp: 56106

Ion	Ratio	Lower	Upper
152	100		
115	60.0	28.9	86.7
150	157.4	0.0	349.6



CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31

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

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.7
Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.9
Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.8
Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.8
Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.6
Trichlorofluoromethane	0.999	1.180	1.219	1.166	1.127	1.085	1.129	7
1,1,2-Trichlorotrifluoroethane	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.3
1,1-Dichloroethene	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.7
Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.9
Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.1
Methyl tert-butyl Ether	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.5
Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.7
Methylene Chloride	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.7
trans-1,2-Dichloroethene	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.2
1,1-Dichloroethane	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.8
Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.4
2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.4
Carbon Tetrachloride	0.439	0.498	0.507	0.491	0.492	0.491	0.486	5
cis-1,2-Dichloroethene	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.8
Bromochloromethane	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.6
Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.6
1,1,1-Trichloroethane	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.7
Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.7
Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.9
1,2-Dichloroethane	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.8
Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.6
1,2-Dichloropropane	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.4
Bromodichloromethane	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.4
4-Methyl-2-Pentanone	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.9
Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.8

* 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: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31

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

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10
cis-1,3-Dichloropropene	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.6
1,1,2-Trichloroethane	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.4
2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.5
Dibromochloromethane	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.8
1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.8
Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.3
Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.3
Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.9
m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.8
o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	10
Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.5
Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8
Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.7
1,1,2,2-Tetrachloroethane	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.6
1,3-Dichlorobenzene	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.5
1,4-Dichlorobenzene	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.5
1,2-Dichlorobenzene	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3
1,2-Dibromo-3-Chloropropane	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.7
1,2,4-Trichlorobenzene	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.7
1,2,3-Trichlorobenzene	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.3
1,2-Dichloroethane-d4	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.8
Dibromofluoromethane	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.3
Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.6
4-Bromofluorobenzene	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7

* 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 : 82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 2025
Response Via : Initial Calibration

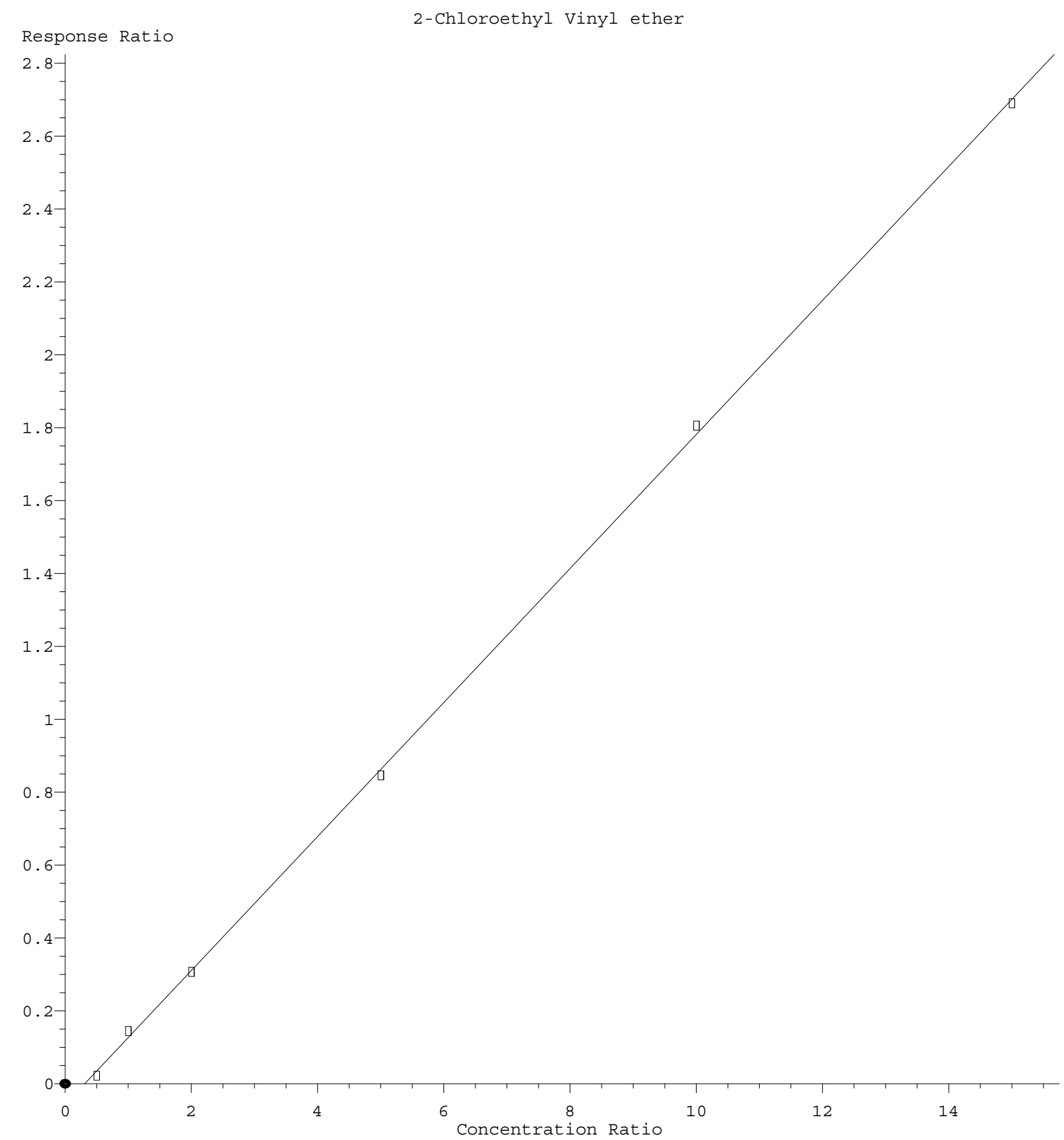
Calibration Files
5 =VY022776.D 10 =VY022777.D 20 =VY022778.D 50 =VY022779.D 100 =VY022780.D 150 =VY022781.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.74
3)	P	Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.89
4)	C	Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.78#
5)	T	Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.77
6)	T	Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.64
7)	T	Trichlorofluor...	0.999	1.180	1.219	1.166	1.127	1.085	1.129	6.96
8)	T	Diethyl Ether	0.260	0.289	0.287	0.285	0.281	0.271	0.279	3.93
9)	T	1,1,2-Trichlor...	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.35
10)	T	Methyl Iodide	0.451	0.542	0.567	0.626	0.611	0.575	0.562	11.12
11)	T	Tert butyl alc...	0.034	0.037	0.038	0.038	0.039	0.036	0.037	4.97
12)	CM	1,1-Dichloroet...	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.68#
13)	T	Acrolein	0.052	0.051	0.053	0.049	0.049	0.047	0.050	4.22
14)	T	Allyl chloride	0.687	0.803	0.805	0.797	0.790	0.789	0.778	5.80
15)	T	Acrylonitrile	0.105	0.116	0.120	0.121	0.122	0.116	0.116	5.45
16)	T	Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.91
17)	T	Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.06
18)	T	Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.66
19)	T	Methyl tert-bu...	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.50
20)	T	Methylene Chlo...	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.74
21)	T	trans-1,2-Dich...	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.19
22)	T	Diisopropyl ether	1.460	1.762	1.779	1.789	1.804	1.778	1.729	7.65
23)	T	Vinyl Acetate	0.830	0.942	0.920	1.010	1.024	1.003	0.955	7.72
24)	P	1,1-Dichloroet...	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.83
25)	T	2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.37
26)	T	2,2-Dichloropr...	0.801	0.930	0.927	0.884	0.863	0.847	0.875	5.65
27)	T	cis-1,2-Dichlo...	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.84
28)	T	Bromochloromet...	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.59
29)	T	Tetrahydrofuran	0.087	0.095	0.098	0.102	0.103	0.097	0.097	6.02
30)	C	Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.60#
31)	T	Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.41
32)	T	1,1,1-Trichlor...	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.68
33)	S	1,2-Dichloroet...	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.77
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.31
36)	T	1,1-Dichloropr...	0.420	0.473	0.472	0.469	0.468	0.465	0.461	4.42
37)	T	Ethyl Acetate	0.181	0.198	0.198	0.206	0.210	0.200	0.199	5.09
38)	T	Carbon Tetrach...	0.439	0.498	0.507	0.491	0.492	0.491	0.486	4.98
39)	T	Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.65
40)	TM	Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.92
41)	T	Methacrylonitrile	0.118	0.137	0.129	0.120	0.108	0.123	0.122	8.16
42)	TM	1,2-Dichloroet...	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.79
43)	T	Isopropyl Acetate	0.348	0.408	0.424	0.436	0.442	0.424	0.413	8.29
44)	TM	Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.60
45)	C	1,2-Dichloropr...	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.35#
46)	T	Dibromomethane	0.169	0.193	0.192	0.191	0.194	0.190	0.188	4.94
47)	T	Bromodichlorom...	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.40
48)	T	Methyl methacr...	0.151	0.193	0.208	0.214	0.219	0.207	0.199	12.57
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	8.51
50)	S	Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.57
51)	T	4-Methyl-2-Pen...	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.86
52)	CM	Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.76#
53)	T	t-1,3-Dichloro...	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10.03
54)	T	cis-1,3-Dichlo...	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.55
55)	T	1,1,2-Trichlor...	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.40
56)	T	Ethyl methacry...	0.258	0.296	0.315	0.354	0.372	0.374	0.328	14.17

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y062325S.M

57)	T	1,3-Dichloropr...	0.371	0.428	0.439	0.438	0.442	0.433	0.425	6.39
58)	T	2-Chloroethyl ...	0.044	0.145	0.154	0.169	0.181	0.179	0.145	35.44
59)	T	2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.48
60)	T	Dibromochlorom...	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.82
61)	T	1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.81
62)	S	4-Bromofluorob...	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7.02
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.30
65)	PM	Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.30
66)	T	1,1,1,2-Tetrac...	0.315	0.377	0.377	0.385	0.393	0.386	0.372	7.76
67)	C	Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.88#
68)	T	m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.85
69)	T	o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	9.99
70)	T	Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.49
71)	P	Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8.02
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.67
74)	T	N-amyl acetate	0.680	0.794	0.814	0.897	0.896	0.900	0.830	10.47
75)	P	1,1,2,2-Tetrac...	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.65
76)	T	1,2,3-Trichlor...	0.559	0.516	0.514	0.510	0.489	0.474	0.510	5.67
77)	T	Bromobenzene	0.762	0.859	0.854	0.852	0.847	0.855	0.838	4.46
78)	T	n-propylbenzene	4.147	4.548	4.635	4.562	4.453	4.444	4.465	3.84
79)	T	2-Chlorotoluene	2.325	2.536	2.601	2.576	2.556	2.541	2.522	3.95
80)	T	1,3,5-Trimethy...	2.664	2.991	3.077	3.062	3.068	3.049	2.985	5.37
81)	T	trans-1,4-Dich...	0.179	0.208	0.210	0.199	0.212	0.205	0.202	5.96
82)	T	4-Chlorotoluene	2.411	2.686	2.688	2.697	2.718	2.698	2.650	4.43
83)	T	tert-Butylbenzene	2.410	2.643	2.647	2.720	2.670	2.706	2.633	4.31
84)	T	1,2,4-Trimethy...	2.551	3.002	3.081	3.098	3.101	3.099	2.989	7.28
85)	T	sec-Butylbenzene	3.629	3.998	4.083	4.097	4.016	3.943	3.961	4.35
86)	T	p-Isopropyltol...	2.887	3.282	3.338	3.414	3.442	3.415	3.296	6.34
87)	T	1,3-Dichlorobe...	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.47
88)	T	1,4-Dichlorobe...	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.50
89)	T	n-Butylbenzene	2.814	3.124	3.194	3.204	3.160	3.107	3.101	4.69
90)	T	Hexachloroethane	0.618	0.664	0.670	0.673	0.654	0.659	0.657	3.04
91)	T	1,2-Dichlorobe...	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3.00
92)	T	1,2-Dibromo-3-...	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.72
93)	T	1,2,4-Trichlor...	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.74
94)	T	Hexachlorobuta...	0.516	0.499	0.489	0.464	0.449	0.424	0.474	7.22
95)	T	Naphthalene	1.240	1.383	1.516	1.599	1.696	1.655	1.515	11.53
96)	T	1,2,3-Trichlor...	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.31

(#) = Out of Range



Response = 1.839e-001 * Amt - 5.758e-002
Coef of Det (r^2) = 0.999746 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y062325S.M
Calibration Table Last Updated: Tue Jun 24 08:29:52 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022776.D
Acq On : 23 Jun 2025 13:38
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	475810	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.610	114	805517	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	670807	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	304230	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	27016	5.087	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 10.180%#				
35) Dibromofluoromethane	7.634	113	24664	5.035	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 10.060%#				
50) Toluene-d8	10.103	98	95214	4.898	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.800%#				
62) 4-Bromofluorobenzene	12.402	95	29609	4.738	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 9.480%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	20158	4.954	ug/l		98
3) Chloromethane	2.068	50	39810	5.124	ug/l		97
4) Vinyl Chloride	2.202	62	44450	4.579	ug/l		98
5) Bromomethane	2.598	94	37327	4.892	ug/l		95
6) Chloroethane	2.732	64	30869	4.731	ug/l		99
7) Trichlorofluoromethane	3.056	101	47536	4.423	ug/l		99
8) Diethyl Ether	3.458	74	12389	4.667	ug/l		97
9) 1,1,2-Trichlorotrifluo...	3.812	101	24158	4.919	ug/l		98
10) Methyl Iodide	4.001	142	21456	4.012	ug/l		99
11) Tert butyl alcohol	4.866	59	8018	22.707	ug/l		96
12) 1,1-Dichloroethene	3.787	96	22737	4.721	ug/l		98
13) Acrolein	3.653	56	12383	25.861	ug/l		94
14) Allyl chloride	4.379	41	32705	4.415	ug/l		99
15) Acrylonitrile	5.061	53	24866	22.452	ug/l		99
16) Acetone	3.873	43	27862	27.758	ug/l		97
17) Carbon Disulfide	4.104	76	72112	4.635	ug/l		100
18) Methyl Acetate	4.385	43	12955	3.897	ug/l		100
19) Methyl tert-butyl Ether	5.110	73	55836	4.258	ug/l		100
20) Methylene Chloride	4.616	84	39953	6.303	ug/l		92
21) trans-1,2-Dichloroethene	5.110	96	24796	4.505	ug/l		84
22) Diisopropyl ether	6.012	45	69481	4.223	ug/l	#	86
23) Vinyl Acetate	5.958	43	197369	21.723	ug/l		99
24) 1,1-Dichloroethane	5.909	63	45142	4.543	ug/l		99
25) 2-Butanone	6.902	43	34396	23.545	ug/l		93
26) 2,2-Dichloropropane	6.884	77	38104	4.574	ug/l		99
27) cis-1,2-Dichloroethene	6.884	96	28846	4.510	ug/l		96
28) Bromochloromethane	7.244	49	20781	4.974	ug/l		99
29) Tetrahydrofuran	7.262	42	20593	22.324	ug/l		96
30) Chloroform	7.421	83	46913	4.584	ug/l		97
31) Cyclohexane	7.701	56	47489	5.206	ug/l	#	78
32) 1,1,1-Trichloroethane	7.616	97	40296	4.556	ug/l		99
36) 1,1-Dichloropropene	7.829	75	33812	4.554	ug/l		100
37) Ethyl Acetate	6.988	43	14555	4.543	ug/l		98
38) Carbon Tetrachloride	7.823	117	35332	4.510	ug/l		99
39) Methylcyclohexane	9.109	83	43762	4.554	ug/l		96
40) Benzene	8.079	78	100522	4.403	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022776.D
Acq On : 23 Jun 2025 13:38
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.213	41	9489m	4.694 ug/l	
42) 1,2-Dichloroethane	8.152	62	27003	4.316 ug/l	97
43) Isopropyl Acetate	8.201	43	28001	4.205 ug/l	99
44) Trichloroethene	8.866	130	24585	4.289 ug/l	95
45) 1,2-Dichloropropane	9.140	63	23279	4.357 ug/l	95
46) Dibromomethane	9.231	93	13652	4.501 ug/l	96
47) Bromodichloromethane	9.420	83	34024	4.350 ug/l	97
48) Methyl methacrylate	9.219	41	12155	3.797 ug/l	98
49) 1,4-Dioxane	9.231	88	3000	83.716 ug/l #	88
51) 4-Methyl-2-Pentanone	9.999	43	67853	20.050 ug/l	96
52) Toluene	10.170	92	60162	4.177 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	28590	4.063 ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	33149	4.063 ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	16701	4.252 ug/l	93
56) Ethyl methacrylate	10.438	69	20761	3.929 ug/l	96
57) 1,3-Dichloropropane	10.713	76	29874	4.360 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	17827	21.672 ug/l	98
59) 2-Hexanone	10.755	43	46132	20.050 ug/l	96
60) Dibromochloromethane	10.908	129	20962	4.132 ug/l	99
61) 1,2-Dibromoethane	11.012	107	15579	4.239 ug/l	99
64) Tetrachloroethene	10.640	164	26784	4.227 ug/l	97
65) Chlorobenzene	11.438	112	65810	4.465 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	21097	4.226 ug/l	99
67) Ethyl Benzene	11.518	91	110258	4.257 ug/l	98
68) m/p-Xylenes	11.621	106	83728	8.364 ug/l	98
69) o-Xylene	11.950	106	38740	4.107 ug/l	98
70) Styrene	11.963	104	62104	3.930 ug/l	99
71) Bromoform	12.127	173	11959	4.302 ug/l #	99
73) Isopropylbenzene	12.249	105	102024	4.534 ug/l	99
74) N-amyl acetate	12.066	43	20685	4.096 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.499	83	18149	5.005 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	17021m	5.313 ug/l	
77) Bromobenzene	12.530	156	23191	4.547 ug/l	98
78) n-propylbenzene	12.590	91	126153	4.644 ug/l	97
79) 2-Chlorotoluene	12.676	91	70735	4.609 ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	81045	4.462 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.298	75	5453	4.436 ug/l	93
82) 4-Chlorotoluene	12.773	91	73344	4.549 ug/l	99
83) tert-Butylbenzene	12.993	119	73316	4.577 ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	77619	4.268 ug/l	98
85) sec-Butylbenzene	13.170	105	110395	4.580 ug/l	99
86) p-Isopropyltoluene	13.285	119	87840	4.380 ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	47028	4.591 ug/l	100
88) 1,4-Dichlorobenzene	13.359	146	47574	4.676 ug/l	92
89) n-Butylbenzene	13.615	91	85615	4.538 ug/l	99
90) Hexachloroethane	13.871	117	18815	4.710 ug/l	100
91) 1,2-Dichlorobenzene	13.651	146	42426	4.700 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3105	5.049 ug/l	90
93) 1,2,4-Trichlorobenzene	14.913	180	23654	4.641 ug/l	99
94) Hexachlorobutadiene	15.017	225	15690	5.444 ug/l	98
95) Naphthalene	15.139	128	37712	4.092 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	20664	4.692 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022776.D
Acq On : 23 Jun 2025 13:38
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

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

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

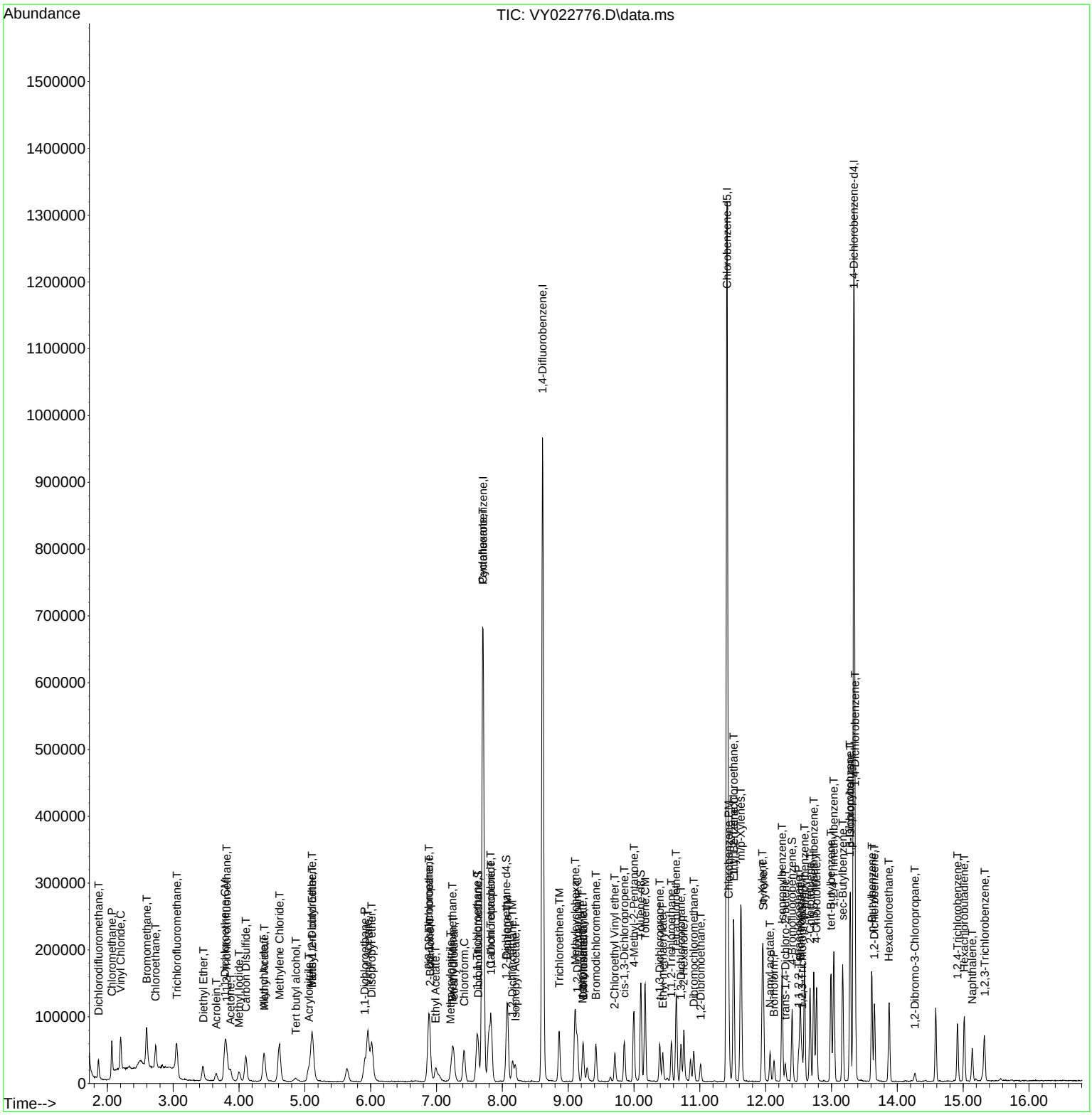
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022776.D
Acq On : 23 Jun 2025 13:38
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 02:49:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022777.D
Acq On : 23 Jun 2025 14:00
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	463035	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.609	114	781463	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	664424	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	310897	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	50892	9.848	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.700%#			
35) Dibromofluoromethane	7.628	113	46399	9.763	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.520%#			
50) Toluene-d8	10.103	98	179425	9.514	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.020%#			
62) 4-Bromofluorobenzene	12.401	95	56575	9.332	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.660%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	42214	10.662	ug/l		94
3) Chloromethane	2.068	50	85337	11.287	ug/l		95
4) Vinyl Chloride	2.202	62	101774	10.775	ug/l		99
5) Bromomethane	2.592	94	81985	11.040	ug/l		98
6) Chloroethane	2.732	64	68123	10.729	ug/l		97
7) Trichlorofluoromethane	3.049	101	109310	10.451	ug/l		99
8) Diethyl Ether	3.452	74	26729	10.347	ug/l		100
9) 1,1,2-Trichlorotrifluo...	3.812	101	51901	10.858	ug/l		98
10) Methyl Iodide	3.994	142	50149	9.637	ug/l		99
11) Tert butyl alcohol	4.860	59	17351	50.493	ug/l	#	92
12) 1,1-Dichloroethene	3.787	96	49870	10.641	ug/l		94
13) Acrolein	3.653	56	23603	50.654	ug/l		96
14) Allyl chloride	4.385	41	74349	10.314	ug/l		100
15) Acrylonitrile	5.055	53	53484	49.623	ug/l		97
16) Acetone	3.866	43	57265	58.626	ug/l		97
17) Carbon Disulfide	4.104	76	157862	10.426	ug/l		96
18) Methyl Acetate	4.385	43	33123	10.240	ug/l		98
19) Methyl tert-butyl Ether	5.110	73	129453	10.144	ug/l		97
20) Methylene Chloride	4.610	84	71926	11.660	ug/l		96
21) trans-1,2-Dichloroethene	5.110	96	55933	10.442	ug/l		93
22) Diisopropyl ether	6.012	45	163202	10.194	ug/l	#	90
23) Vinyl Acetate	5.957	43	436202	49.334	ug/l		99
24) 1,1-Dichloroethane	5.909	63	99575	10.297	ug/l		99
25) 2-Butanone	6.896	43	74304	52.267	ug/l		98
26) 2,2-Dichloropropane	6.884	77	86121	10.624	ug/l		99
27) cis-1,2-Dichloroethene	6.884	96	63822	10.254	ug/l		98
28) Bromochloromethane	7.244	49	39901	9.815	ug/l		99
29) Tetrahydrofuran	7.256	42	44155	49.188	ug/l		99
30) Chloroform	7.415	83	104609	10.503	ug/l		100
31) Cyclohexane	7.695	56	94507	10.647	ug/l	#	96
32) 1,1,1-Trichloroethane	7.616	97	87498	10.166	ug/l		98
36) 1,1-Dichloropropene	7.835	75	73869	10.254	ug/l		99
37) Ethyl Acetate	6.982	43	30940	9.953	ug/l		99
38) Carbon Tetrachloride	7.817	117	77817	10.238	ug/l		96
39) Methylcyclohexane	9.103	83	92069	9.876	ug/l		96
40) Benzene	8.073	78	223979	10.113	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022777.D
Acq On : 23 Jun 2025 14:00
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	21459m	10.943	ug/l		
42) 1,2-Dichloroethane	8.152	62	62006	10.217	ug/l		98
43) Isopropyl Acetate	8.195	43	63693	9.859	ug/l		97
44) Trichloroethene	8.866	130	56947	10.241	ug/l		98
45) 1,2-Dichloropropane	9.140	63	53045	10.233	ug/l		94
46) Dibromomethane	9.225	93	30124	10.237	ug/l		96
47) Bromodichloromethane	9.420	83	77307	10.188	ug/l		99
48) Methyl methacrylate	9.219	41	30168	9.713	ug/l		99
49) 1,4-Dioxane	9.225	88	6781	195.052	ug/l		93
51) 4-Methyl-2-Pentanone	9.993	43	156769	47.750	ug/l		99
52) Toluene	10.164	92	136520	9.771	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	67233	9.848	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	78622	9.932	ug/l		98
55) 1,1,2-Trichloroethane	10.566	97	38897	10.208	ug/l		97
56) Ethyl methacrylate	10.438	69	46228	9.018	ug/l		98
57) 1,3-Dichloropropane	10.713	76	66930	10.068	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.707	63	113045	54.985	ug/l		100
59) 2-Hexanone	10.755	43	109594	49.099	ug/l		98
60) Dibromochloromethane	10.908	129	49185	9.994	ug/l		99
61) 1,2-Dibromoethane	11.011	107	36029	10.105	ug/l		98
64) Tetrachloroethene	10.646	164	61796	9.845	ug/l		95
65) Chlorobenzene	11.438	112	147476	10.101	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	50032	10.118	ug/l		100
67) Ethyl Benzene	11.511	91	249925	9.743	ug/l		98
68) m/p-Xylenes	11.627	106	191878	19.351	ug/l		99
69) o-Xylene	11.950	106	89531	9.582	ug/l		100
70) Styrene	11.963	104	147196	9.405	ug/l		99
71) Bromoform	12.127	173	27105	9.844	ug/l	#	98
73) Isopropylbenzene	12.249	105	234034	10.179	ug/l		99
74) N-amyl acetate	12.066	43	49341	9.560	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40964	11.054	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	32074m	9.797	ug/l		
77) Bromobenzene	12.523	156	53437	10.253	ug/l		98
78) n-propylbenzene	12.590	91	282781	10.186	ug/l		99
79) 2-Chlorotoluene	12.676	91	157704	10.055	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	186006	10.021	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	12937	10.297	ug/l		95
82) 4-Chlorotoluene	12.773	91	166997	10.137	ug/l		98
83) tert-Butylbenzene	12.993	119	164329	10.039	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	186662	10.045	ug/l		99
85) sec-Butylbenzene	13.170	105	248568	10.092	ug/l		99
86) p-Isopropyltoluene	13.285	119	204047	9.955	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	103200	9.860	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	108198	10.406	ug/l		98
89) n-Butylbenzene	13.609	91	194233	10.075	ug/l		98
90) Hexachloroethane	13.877	117	41277	10.111	ug/l		99
91) 1,2-Dichlorobenzene	13.651	146	92518	10.030	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6258	9.958	ug/l		97
93) 1,2,4-Trichlorobenzene	14.913	180	52305	10.043	ug/l		99
94) Hexachlorobutadiene	15.017	225	31049	10.543	ug/l		100
95) Naphthalene	15.139	128	85996	9.131	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	44944	9.987	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022777.D
Acq On : 23 Jun 2025 14:00
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

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

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

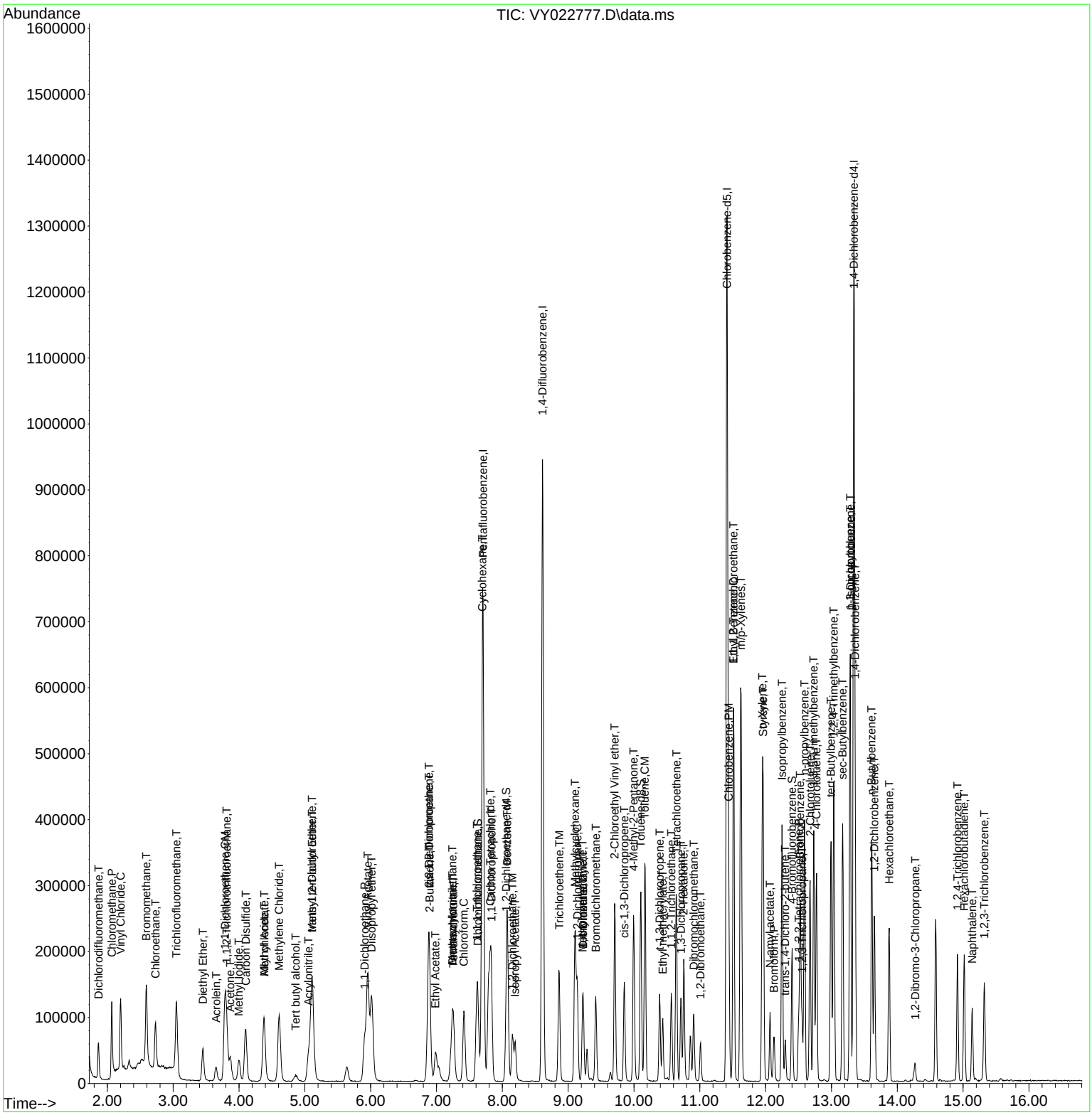
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022777.D
Acq On : 23 Jun 2025 14:00
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 02:50:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022778.D
Acq On : 23 Jun 2025 14:23
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	466622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	781920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	668589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	321641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	103895	19.949	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.900%#		
35) Dibromofluoromethane	7.628	113	92378	19.426	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.860%#		
50) Toluene-d8	10.103	98	370864	19.654	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.300%#		
62) 4-Bromofluorobenzene	12.402	95	115617	19.060	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.120%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	88527	22.187	ug/l	96
3) Chloromethane	2.062	50	161461	21.191	ug/l	97
4) Vinyl Chloride	2.196	62	203692	21.399	ug/l	98
5) Bromomethane	2.580	94	159406	21.301	ug/l	100
6) Chloroethane	2.727	64	134813	21.069	ug/l	95
7) Trichlorofluoromethane	3.044	101	227500	21.584	ug/l	97
8) Diethyl Ether	3.452	74	53531	20.563	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	102158	21.209	ug/l	99
10) Methyl Iodide	3.995	142	105737	20.162	ug/l	99
11) Tert butyl alcohol	4.854	59	35575	102.731	ug/l	99
12) 1,1-Dichloroethene	3.781	96	97726	20.691	ug/l	93
13) Acrolein	3.647	56	49556	105.534	ug/l	97
14) Allyl chloride	4.373	41	150283	20.687	ug/l	100
15) Acrylonitrile	5.049	53	112031	103.145	ug/l	99
16) Acetone	3.867	43	106379	108.071	ug/l	94
17) Carbon Disulfide	4.092	76	323087	21.175	ug/l	98
18) Methyl Acetate	4.379	43	82088	25.182	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	260531	20.258	ug/l	99
20) Methylene Chloride	4.610	84	123947	19.939	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	111517	20.659	ug/l	94
22) Diisopropyl ether	6.013	45	331999	20.578	ug/l	96
23) Vinyl Acetate	5.952	43	858731	96.375	ug/l	99
24) 1,1-Dichloroethane	5.909	63	201445	20.671	ug/l	99
25) 2-Butanone	6.890	43	149196	104.140	ug/l	100
26) 2,2-Dichloropropane	6.878	77	173008	21.179	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	128206	20.439	ug/l	99
28) Bromochloromethane	7.238	49	81625	19.923	ug/l	99
29) Tetrahydrofuran	7.256	42	91536	101.186	ug/l	98
30) Chloroform	7.415	83	205035	20.428	ug/l	95
31) Cyclohexane	7.695	56	184362	20.610	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	181573	20.934	ug/l	99
36) 1,1-Dichloropropene	7.829	75	147625	20.481	ug/l	99
37) Ethyl Acetate	6.982	43	62062	19.954	ug/l	98
38) Carbon Tetrachloride	7.811	117	158707	20.868	ug/l	97
39) Methylcyclohexane	9.103	83	190778	20.453	ug/l	95
40) Benzene	8.079	78	453686	20.472	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022778.D
Acq On : 23 Jun 2025 14:23
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.214	41	40422m	20.600	ug/l		
42) 1,2-Dichloroethane	8.152	62	125873	20.728	ug/l		100
43) Isopropyl Acetate	8.195	43	132526	20.501	ug/l		99
44) Trichloroethene	8.860	130	119612	21.498	ug/l		97
45) 1,2-Dichloropropane	9.134	63	107803	20.785	ug/l		100
46) Dibromomethane	9.225	93	60151	20.430	ug/l		100
47) Bromodichloromethane	9.420	83	155066	20.424	ug/l		99
48) Methyl methacrylate	9.219	41	65108	20.951	ug/l		99
49) 1,4-Dioxane	9.219	88	14738	423.683	ug/l		97
51) 4-Methyl-2-Pentanone	9.993	43	335542	102.143	ug/l		99
52) Toluene	10.164	92	284109	20.321	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	137096	20.069	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	163425	20.633	ug/l		98
55) 1,1,2-Trichloroethane	10.567	97	77767	20.398	ug/l		96
56) Ethyl methacrylate	10.439	69	98608	19.224	ug/l		98
57) 1,3-Dichloropropane	10.713	76	137448	20.664	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	240143	99.154	ug/l		99
59) 2-Hexanone	10.756	43	226399	101.369	ug/l		100
60) Dibromochloromethane	10.908	129	100360	20.380	ug/l		99
61) 1,2-Dibromoethane	11.012	107	71565	20.059	ug/l		99
64) Tetrachloroethene	10.640	164	143038	22.646	ug/l		97
65) Chlorobenzene	11.438	112	302372	20.582	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.512	131	100839	20.265	ug/l		99
67) Ethyl Benzene	11.512	91	527080	20.420	ug/l		97
68) m/p-Xylenes	11.621	106	405724	40.662	ug/l		99
69) o-Xylene	11.950	106	189409	20.146	ug/l		100
70) Styrene	11.963	104	311610	19.787	ug/l		99
71) Bromoform	12.127	173	54365	19.622	ug/l	#	99
73) Isopropylbenzene	12.249	105	491885	20.678	ug/l		99
74) N-amyl acetate	12.066	43	104745	19.617	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.499	83	72880	19.010	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	66146m	19.529	ug/l		
77) Bromobenzene	12.530	156	109855	20.375	ug/l		98
78) n-propylbenzene	12.591	91	596356	20.765	ug/l		100
79) 2-Chlorotoluene	12.676	91	334595	20.620	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	395821	20.613	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	26956	20.739	ug/l		97
82) 4-Chlorotoluene	12.774	91	345875	20.293	ug/l		99
83) tert-Butylbenzene	12.993	119	340561	20.110	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	396401	20.618	ug/l		100
85) sec-Butylbenzene	13.170	105	525353	20.618	ug/l		100
86) p-Isopropyltoluene	13.286	119	429419	20.252	ug/l		99
87) 1,3-Dichlorobenzene	13.280	146	217684	20.103	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	217184	20.191	ug/l		98
89) n-Butylbenzene	13.609	91	410986	20.605	ug/l		99
90) Hexachloroethane	13.871	117	86261	20.425	ug/l		95
91) 1,2-Dichlorobenzene	13.651	146	193285	20.255	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13274	20.417	ug/l		99
93) 1,2,4-Trichlorobenzene	14.913	180	109060	20.242	ug/l		99
94) Hexachlorobutadiene	15.017	225	62946	20.660	ug/l		97
95) Naphthalene	15.139	128	195013	20.015	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	94536	20.305	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022778.D
Acq On : 23 Jun 2025 14:23
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 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

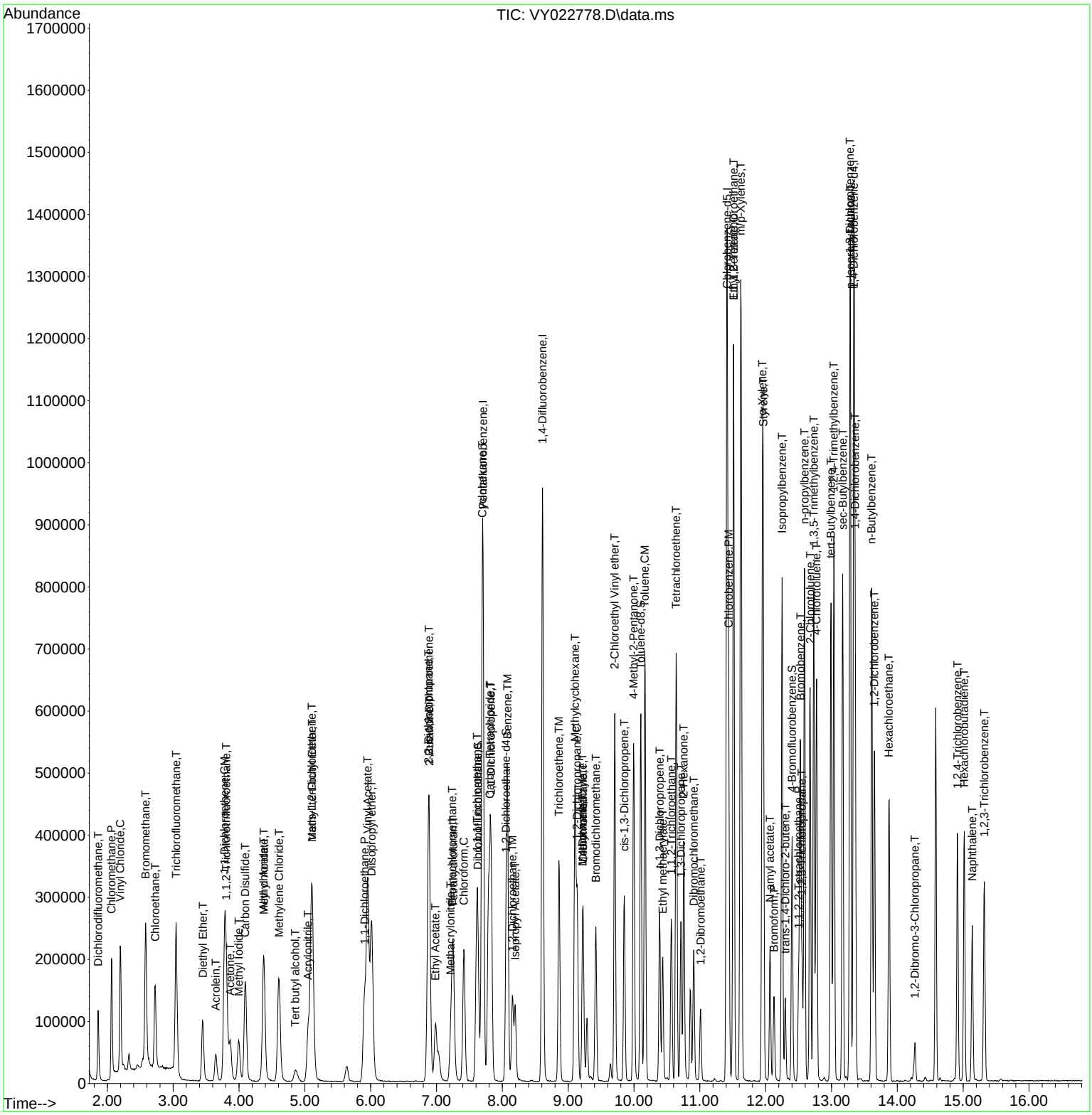
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022778.D
Acq On : 23 Jun 2025 14:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 02:51:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022779.D
Acq On : 23 Jun 2025 14:46
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:52:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	466305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	785509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	682333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	344728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	260449	50.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.080%			
35) Dibromofluoromethane	7.634	113	238601	49.947	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.900%			
50) Toluene-d8	10.103	98	954176	50.336	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.401	95	302230	49.596	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	197658	49.571	ug/l	100
3) Chloromethane	2.062	50	369888	48.580	ug/l	100
4) Vinyl Chloride	2.196	62	487333	51.231	ug/l	100
5) Bromomethane	2.586	94	359349	48.052	ug/l	100
6) Chloroethane	2.726	64	323583	50.606	ug/l	100
7) Trichlorofluoromethane	3.043	101	543608	51.610	ug/l	100
8) Diethyl Ether	3.452	74	132997	51.123	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	240341	49.930	ug/l	100
10) Methyl Iodide	3.994	142	292108	55.737	ug/l	100
11) Tert butyl alcohol	4.860	59	89018	257.234	ug/l	100
12) 1,1-Dichloroethene	3.781	96	239818	50.810	ug/l	100
13) Acrolein	3.647	56	115313	245.735	ug/l	100
14) Allyl chloride	4.378	41	371698	51.200	ug/l	100
15) Acrylonitrile	5.049	53	281372	259.229	ug/l	100
16) Acetone	3.866	43	222401	226.091	ug/l	100
17) Carbon Disulfide	4.098	76	777454	50.988	ug/l	100
18) Methyl Acetate	4.378	43	163588	50.217	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	669314	52.080	ug/l	100
20) Methylene Chloride	4.604	84	275283	44.313	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	276104	51.184	ug/l	100
22) Diisopropyl ether	6.018	45	834245	51.744	ug/l	100
23) Vinyl Acetate	5.951	43	2354219	264.392	ug/l	100
24) 1,1-Dichloroethane	5.909	63	502277	51.577	ug/l	100
25) 2-Butanone	6.890	43	357225	249.517	ug/l	100
26) 2,2-Dichloropropane	6.878	77	412194	50.494	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	319602	50.988	ug/l	100
28) Bromochloromethane	7.244	49	214101	52.294	ug/l	100
29) Tetrahydrofuran	7.256	42	237439	262.648	ug/l	100
30) Chloroform	7.421	83	511015	50.947	ug/l	100
31) Cyclohexane	7.695	56	441072	49.341	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	442929	51.101	ug/l	100
36) 1,1-Dichloropropene	7.829	75	368198	50.850	ug/l	100
37) Ethyl Acetate	6.982	43	161593	51.717	ug/l	100
38) Carbon Tetrachloride	7.817	117	385426	50.447	ug/l	100
39) Methylcyclohexane	9.103	83	485179	51.778	ug/l	100
40) Benzene	8.073	78	1150210	51.666	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022779.D
Acq On : 23 Jun 2025 14:46
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:52:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	93931	47.652	ug/l		100
42) 1,2-Dichloroethane	8.152	62	314067	51.482	ug/l		100
43) Isopropyl Acetate	8.195	43	342439	52.731	ug/l		100
44) Trichloroethene	8.859	130	292433	52.319	ug/l		100
45) 1,2-Dichloropropane	9.140	63	266251	51.100	ug/l		100
46) Dibromomethane	9.231	93	150422	50.856	ug/l		100
47) Bromodichloromethane	9.420	83	391542	51.335	ug/l		100
48) Methyl methacrylate	9.219	41	168241	53.890	ug/l		100
49) 1,4-Dioxane	9.231	88	36253	1037.426	ug/l		100
51) 4-Methyl-2-Pentanone	9.993	43	886055	268.494	ug/l		100
52) Toluene	10.170	92	727451	51.795	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	354481	51.655	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	411345	51.696	ug/l		100
55) 1,1,2-Trichloroethane	10.566	97	198415	51.805	ug/l		100
56) Ethyl methacrylate	10.432	69	277956	53.942	ug/l		100
57) 1,3-Dichloropropane	10.713	76	344212	51.512	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	664611	245.688	ug/l		100
59) 2-Hexanone	10.755	43	594522	264.979	ug/l		100
60) Dibromochloromethane	10.908	129	258124	52.176	ug/l		100
61) 1,2-Dibromoethane	11.011	107	185981	51.892	ug/l		100
64) Tetrachloroethene	10.646	164	351675	54.557	ug/l		100
65) Chlorobenzene	11.438	112	768503	51.257	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	262905	51.771	ug/l		100
67) Ethyl Benzene	11.517	91	1384381	52.553	ug/l		100
68) m/p-Xylenes	11.627	106	1067204	104.802	ug/l		100
69) o-Xylene	11.950	106	501048	52.219	ug/l		100
70) Styrene	11.962	104	852365	53.034	ug/l		100
71) Bromoform	12.127	173	144890	51.241	ug/l	#	100
73) Isopropylbenzene	12.249	105	1302433	51.086	ug/l		100
74) N-amyl acetate	12.066	43	309312	54.051	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.499	83	195531	47.587	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	175695m	48.399	ug/l		
77) Bromobenzene	12.529	156	293698	50.823	ug/l		100
78) n-propylbenzene	12.590	91	1572487	51.086	ug/l		100
79) 2-Chlorotoluene	12.676	91	887920	51.056	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	1055520	51.286	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	68487	49.163	ug/l		100
82) 4-Chlorotoluene	12.773	91	929596	50.888	ug/l		100
83) tert-Butylbenzene	12.993	119	937562	51.654	ug/l		100
84) 1,2,4-Trimethylbenzene	13.035	105	1068099	51.835	ug/l		100
85) sec-Butylbenzene	13.170	105	1412230	51.712	ug/l		100
86) p-Isopropyltoluene	13.285	119	1176992	51.790	ug/l		100
87) 1,3-Dichlorobenzene	13.279	146	588857	50.737	ug/l		100
88) 1,4-Dichlorobenzene	13.358	146	581012	50.397	ug/l		100
89) n-Butylbenzene	13.608	91	1104530	51.668	ug/l		100
90) Hexachloroethane	13.871	117	232074	51.271	ug/l		100
91) 1,2-Dichlorobenzene	13.651	146	516584	50.508	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35564	51.039	ug/l		100
93) 1,2,4-Trichlorobenzene	14.913	180	290624	50.327	ug/l		100
94) Hexachlorobutadiene	15.017	225	160111	49.032	ug/l		100
95) Naphthalene	15.139	128	551169	52.780	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	251077	50.316	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022779.D
Acq On : 23 Jun 2025 14:46
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:52:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 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

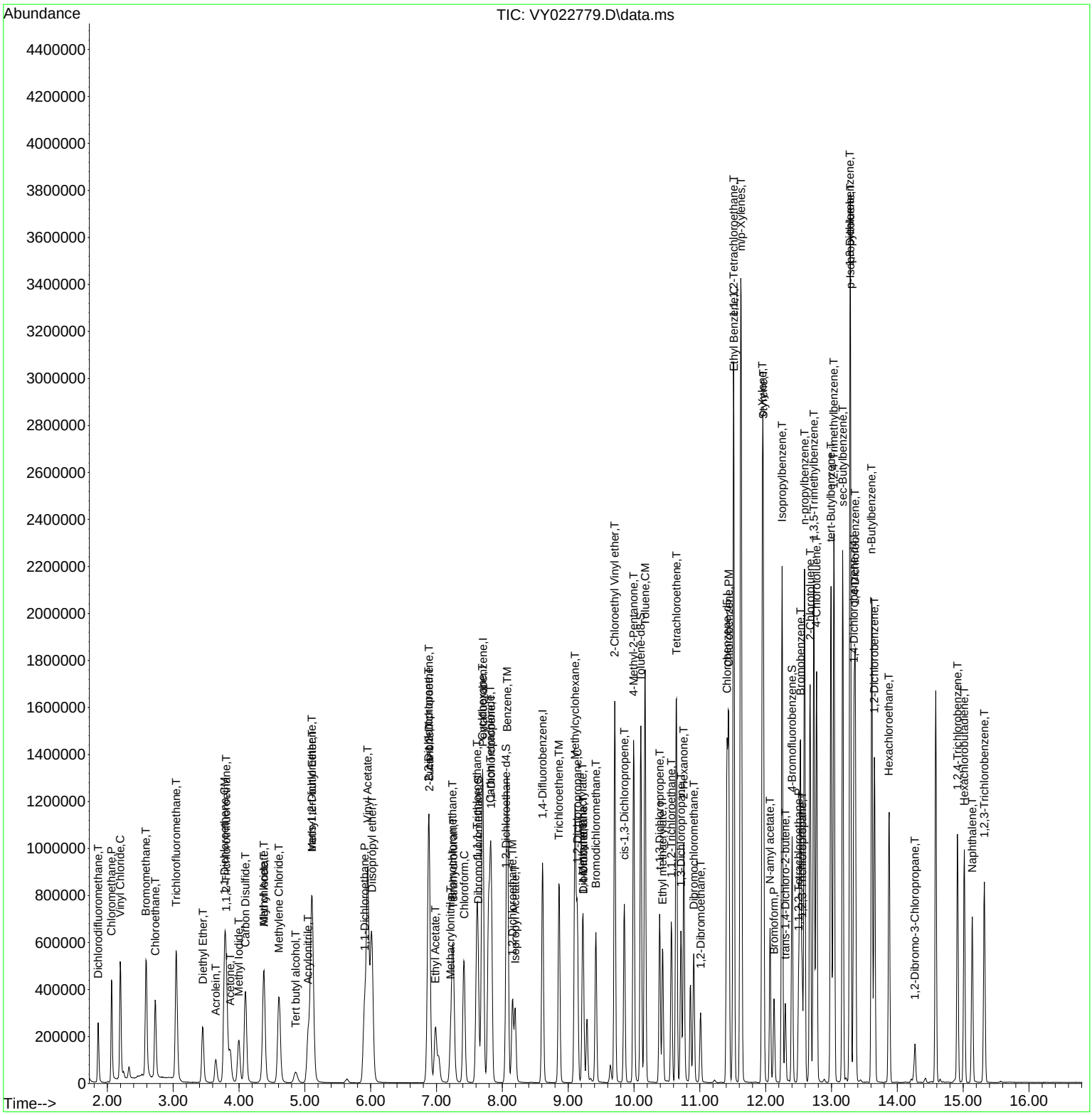
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022779.D
Acq On : 23 Jun 2025 14:46
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 24 02:52:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022780.D
Acq On : 23 Jun 2025 15:08
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:53:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	475581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	797167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	712427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	372652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	542659	102.235	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 204.460%#			
35) Dibromofluoromethane	7.628	113	500461	103.231	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 206.460%#			
50) Toluene-d8	10.103	98	2012122	104.594	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 209.180%#			
62) 4-Bromofluorobenzene	12.402	95	673658	108.931	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 217.860%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	383820	94.381	ug/l	97
3) Chloromethane	2.062	50	721237	92.877	ug/l	96
4) Vinyl Chloride	2.196	62	944075	97.310	ug/l	100
5) Bromomethane	2.580	94	723247	94.826	ug/l	100
6) Chloroethane	2.726	64	639835	98.113	ug/l	96
7) Trichlorofluoromethane	3.043	101	1072039	99.794	ug/l	98
8) Diethyl Ether	3.446	74	267488	100.816	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	467671	95.263	ug/l	99
10) Methyl Iodide	3.994	142	581464	108.785	ug/l	99
11) Tert butyl alcohol	4.854	59	184238	522.007	ug/l	99
12) 1,1-Dichloroethene	3.781	96	475211	98.719	ug/l	96
13) Acrolein	3.647	56	232931	486.701	ug/l	98
14) Allyl chloride	4.372	41	751070	101.438	ug/l	100
15) Acrylonitrile	5.049	53	578586	522.657	ug/l	99
16) Acetone	3.866	43	454852	453.380	ug/l	93
17) Carbon Disulfide	4.098	76	1545558	99.386	ug/l	99
18) Methyl Acetate	4.379	43	336182	101.185	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	1388952	105.967	ug/l	99
20) Methylene Chloride	4.604	84	549956	86.802	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	552497	100.424	ug/l	93
22) Diisopropyl ether	6.012	45	1716130	104.367	ug/l	98
23) Vinyl Acetate	5.951	43	4870879	536.357	ug/l	100
24) 1,1-Dichloroethane	5.909	63	1003848	101.070	ug/l	99
25) 2-Butanone	6.884	43	743716	509.343	ug/l	98
26) 2,2-Dichloropropane	6.878	77	821294	98.646	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	653863	102.279	ug/l	99
28) Bromochloromethane	7.238	49	421499	100.943	ug/l	98
29) Tetrahydrofuran	7.256	42	489018	530.386	ug/l	99
30) Chloroform	7.415	83	1031414	100.825	ug/l	99
31) Cyclohexane	7.695	56	860538	94.387	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	892886	101.003	ug/l	99
36) 1,1-Dichloropropene	7.829	75	745473	101.447	ug/l	100
37) Ethyl Acetate	6.982	43	335415	105.778	ug/l	98
38) Carbon Tetrachloride	7.811	117	784957	101.239	ug/l	99
39) Methylcyclohexane	9.103	83	969618	101.963	ug/l	97
40) Benzene	8.073	78	2338781	103.518	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022780.D
Acq On : 23 Jun 2025 15:08
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Jun 24 02:53:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	172503	86.232	ug/l		90
42) 1,2-Dichloroethane	8.152	62	644142	104.044	ug/l		100
43) Isopropyl Acetate	8.195	43	703942	106.813	ug/l		99
44) Trichloroethene	8.859	130	573927	101.178	ug/l		94
45) 1,2-Dichloropropane	9.140	63	543704	102.824	ug/l		100
46) Dibromomethane	9.225	93	308843	102.889	ug/l		99
47) Bromodichloromethane	9.420	83	803009	103.743	ug/l		99
48) Methyl methacrylate	9.219	41	348723	110.068	ug/l		99
49) 1,4-Dioxane	9.225	88	74032	2087.539	ug/l		95
51) 4-Methyl-2-Pentanone	9.993	43	1833298	547.404	ug/l		100
52) Toluene	10.170	92	1522485	106.816	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	754526	108.342	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	860746	106.593	ug/l		97
55) 1,1,2-Trichloroethane	10.566	97	407343	104.800	ug/l		99
56) Ethyl methacrylate	10.432	69	592646	113.331	ug/l		99
57) 1,3-Dichloropropane	10.713	76	705449	104.027	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	1439247	506.517	ug/l		99
59) 2-Hexanone	10.755	43	1250090	549.018	ug/l		99
60) Dibromochloromethane	10.908	129	535327	106.627	ug/l		99
61) 1,2-Dibromoethane	11.012	107	388631	106.848	ug/l		99
64) Tetrachloroethene	10.646	164	674360	100.198	ug/l		98
65) Chlorobenzene	11.438	112	1610361	102.870	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	559842	105.587	ug/l		99
67) Ethyl Benzene	11.511	91	2906187	105.662	ug/l		99
68) m/p-Xylenes	11.627	106	2278768	214.327	ug/l		99
69) o-Xylene	11.950	106	1082170	108.020	ug/l		99
70) Styrene	11.963	104	1865505	111.168	ug/l		99
71) Bromoform	12.127	173	321083	108.756	ug/l	#	98
73) Isopropylbenzene	12.249	105	2764621	100.312	ug/l		99
74) N-amyl acetate	12.066	43	667613	107.920	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.499	83	442467	99.615	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	364588m	92.907	ug/l		
77) Bromobenzene	12.530	156	631186	101.040	ug/l		99
78) n-propylbenzene	12.590	91	3318659	99.735	ug/l		99
79) 2-Chlorotoluene	12.676	91	1904783	101.319	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	2286529	102.773	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	157671	104.703	ug/l		94
82) 4-Chlorotoluene	12.773	91	2025702	102.582	ug/l		99
83) tert-Butylbenzene	12.993	119	1990057	101.425	ug/l		100
84) 1,2,4-Trimethylbenzene	13.036	105	2310931	103.747	ug/l		99
85) sec-Butylbenzene	13.170	105	2993511	101.400	ug/l		99
86) p-Isopropyltoluene	13.285	119	2565197	104.416	ug/l		100
87) 1,3-Dichlorobenzene	13.279	146	1304649	103.989	ug/l		100
88) 1,4-Dichlorobenzene	13.359	146	1259287	101.046	ug/l		100
89) n-Butylbenzene	13.609	91	2355349	101.924	ug/l		99
90) Hexachloroethane	13.877	117	487480	99.627	ug/l		98
91) 1,2-Dichlorobenzene	13.651	146	1129471	102.157	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	75666	100.453	ug/l		99
93) 1,2,4-Trichlorobenzene	14.913	180	648932	103.955	ug/l		99
94) Hexachlorobutadiene	15.017	225	334737	94.827	ug/l		99
95) Naphthalene	15.139	128	1263808	111.955	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	559578	103.737	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022780.D
Acq On : 23 Jun 2025 15:08
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:53:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 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

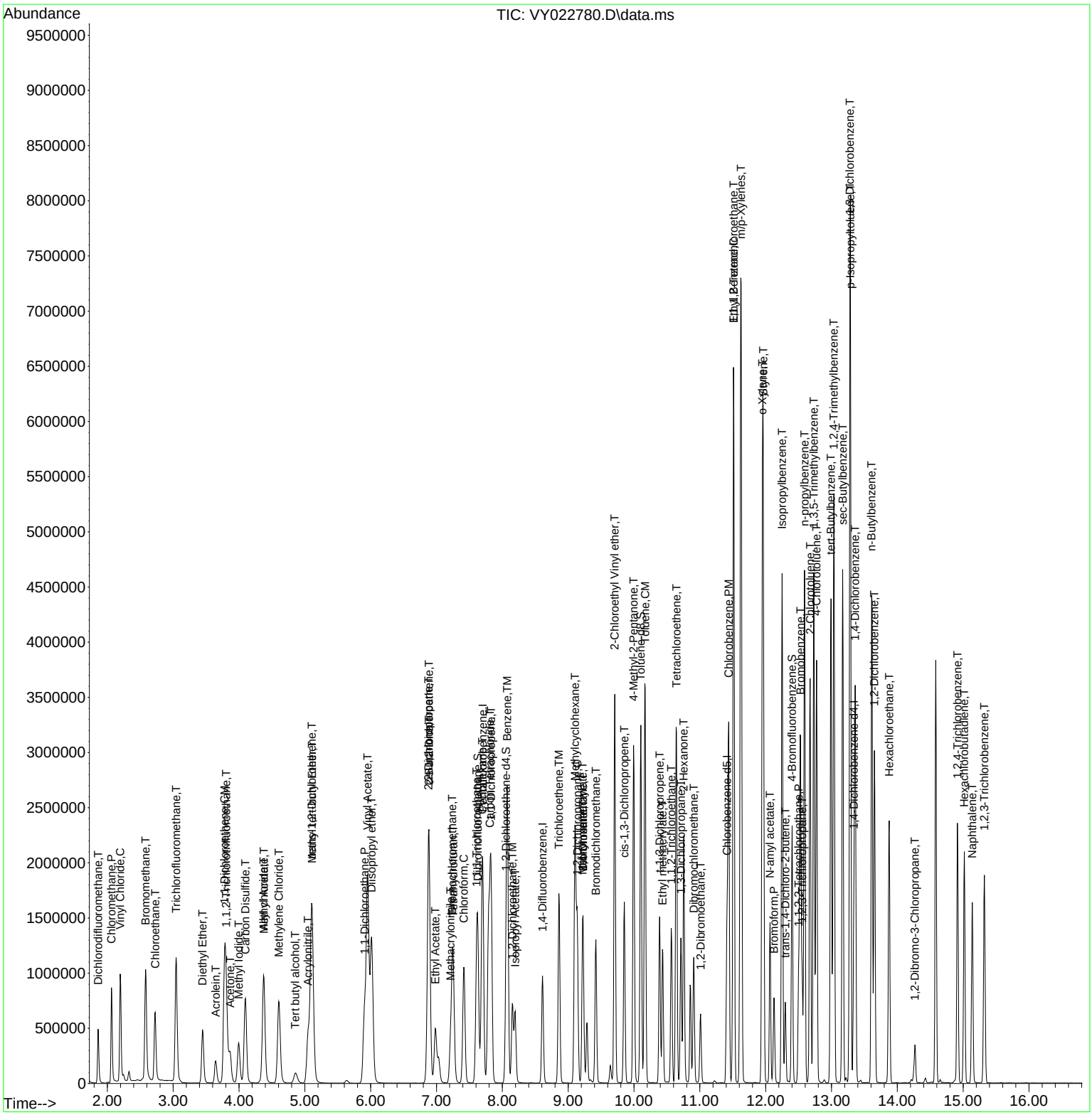
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022780.D
Acq On : 23 Jun 2025 15:08
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 24 02:53:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022781.D
Acq On : 23 Jun 2025 15:31
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:54:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	487197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	805416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	724825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	371200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	796965	146.565	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 293.140%#			
35) Dibromofluoromethane	7.628	113	745134	152.126	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 304.260%#			
50) Toluene-d8	10.103	98	3013418	155.039	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 310.080%#			
62) 4-Bromofluorobenzene	12.402	95	1016821	162.737	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 325.480%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	561426	134.762	ug/l	98
3) Chloromethane	2.062	50	1057912	132.984	ug/l	98
4) Vinyl Chloride	2.196	62	1399862	140.850	ug/l	99
5) Bromomethane	2.574	94	1105489	141.487	ug/l	98
6) Chloroethane	2.720	64	936104	140.121	ug/l	99
7) Trichlorofluoromethane	3.043	101	1586258	144.141	ug/l	100
8) Diethyl Ether	3.446	74	396737	145.964	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.799	101	693105	137.817	ug/l	99
10) Methyl Iodide	3.995	142	840407	153.482	ug/l	100
11) Tert butyl alcohol	4.854	59	266185	736.208	ug/l	99
12) 1,1-Dichloroethene	3.775	96	705539	143.072	ug/l	99
13) Acrolein	3.647	56	345938	705.591	ug/l	99
14) Allyl chloride	4.373	41	1152496	151.943	ug/l	99
15) Acrylonitrile	5.049	53	846962	746.849	ug/l	99
16) Acetone	3.860	43	636155	618.978	ug/l	93
17) Carbon Disulfide	4.092	76	2289343	143.705	ug/l	99
18) Methyl Acetate	4.373	43	470360	138.195	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	2054163	152.981	ug/l	100
20) Methylene Chloride	4.604	84	800473	123.330	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	840284	149.092	ug/l	97
22) Diisopropyl ether	6.012	45	2598616	154.267	ug/l	99
23) Vinyl Acetate	5.952	43	7328920	787.783	ug/l	98
24) 1,1-Dichloroethane	5.903	63	1504725	147.888	ug/l	100
25) 2-Butanone	6.890	43	1071039	716.025	ug/l	98
26) 2,2-Dichloropropane	6.878	77	1237615	145.107	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	990315	151.215	ug/l	98
28) Bromochloromethane	7.238	49	623792	145.828	ug/l	98
29) Tetrahydrofuran	7.256	42	708429	750.039	ug/l	98
30) Chloroform	7.415	83	1547385	147.656	ug/l	97
31) Cyclohexane	7.695	56	1306948	139.933	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	1349504	149.016	ug/l	99
36) 1,1-Dichloropropene	7.829	75	1122908	151.246	ug/l	99
37) Ethyl Acetate	6.982	43	483616	150.953	ug/l	100
38) Carbon Tetrachloride	7.811	117	1186256	151.429	ug/l	98
39) Methylcyclohexane	9.103	83	1475329	153.554	ug/l	98
40) Benzene	8.073	78	3478622	152.393	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022781.D
Acq On : 23 Jun 2025 15:31
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:54:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	296053	146.477	ug/l		97
42) 1,2-Dichloroethane	8.152	62	946330	151.288	ug/l		100
43) Isopropyl Acetate	8.195	43	1024167	153.810	ug/l		99
44) Trichloroethene	8.860	130	846785	147.752	ug/l		97
45) 1,2-Dichloropropane	9.140	63	814039	152.372	ug/l		99
46) Dibromomethane	9.225	93	458817	151.287	ug/l		99
47) Bromodichloromethane	9.420	83	1203370	153.874	ug/l		100
48) Methyl methacrylate	9.213	41	500939	156.493	ug/l		98
49) 1,4-Dioxane	9.225	88	112563	3141.521	ug/l		96
51) 4-Methyl-2-Pentanone	9.993	43	2671727	789.580	ug/l		99
52) Toluene	10.164	92	2305726	160.110	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	1142721	162.402	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	1300617	159.417	ug/l		98
55) 1,1,2-Trichloroethane	10.567	97	603625	153.708	ug/l		99
56) Ethyl methacrylate	10.432	69	902735	170.861	ug/l		98
57) 1,3-Dichloropropane	10.713	76	1045814	152.639	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	2166504	746.984	ug/l		99
59) 2-Hexanone	10.756	43	1801932	783.272	ug/l		97
60) Dibromochloromethane	10.908	129	795480	156.822	ug/l		99
61) 1,2-Dibromoethane	11.012	107	569130	154.871	ug/l		99
64) Tetrachloroethene	10.640	164	970361	141.712	ug/l		98
65) Chlorobenzene	11.438	112	2422303	152.091	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	840296	155.771	ug/l		99
67) Ethyl Benzene	11.511	91	4388572	156.829	ug/l		98
68) m/p-Xylenes	11.627	106	3439594	317.973	ug/l		98
69) o-Xylene	11.950	106	1664173	163.273	ug/l		98
70) Styrene	11.963	104	2846995	166.754	ug/l		99
71) Bromoform	12.127	173	478356	159.256	ug/l	#	99
73) Isopropylbenzene	12.249	105	4185860	152.475	ug/l		99
74) N-amyl acetate	12.066	43	1001716	162.561	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.499	83	660490	149.281	ug/l		99
76) 1,2,3-Trichloropropane	12.548	75	528364m	135.169	ug/l		
77) Bromobenzene	12.530	156	951688	152.942	ug/l		100
78) n-propylbenzene	12.591	91	4948353	149.293	ug/l		99
79) 2-Chlorotoluene	12.676	91	2829859	151.115	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	3395371	153.210	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	228578	152.383	ug/l		93
82) 4-Chlorotoluene	12.773	91	3004256	152.731	ug/l		100
83) tert-Butylbenzene	12.993	119	3013552	154.188	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	3450572	155.516	ug/l		99
85) sec-Butylbenzene	13.170	105	4391401	149.333	ug/l		98
86) p-Isopropyltoluene	13.286	119	3802837	155.399	ug/l		99
87) 1,3-Dichlorobenzene	13.279	146	1942052	155.399	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	1855055	149.433	ug/l		99
89) n-Butylbenzene	13.615	91	3459894	150.307	ug/l		98
90) Hexachloroethane	13.871	117	733958	150.586	ug/l		98
91) 1,2-Dichlorobenzene	13.651	146	1672579	151.871	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	106711	142.222	ug/l		96
93) 1,2,4-Trichlorobenzene	14.913	180	941295	151.380	ug/l		99
94) Hexachlorobutadiene	15.017	225	472010	134.238	ug/l		99
95) Naphthalene	15.139	128	1842806	163.884	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	809138	150.588	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022781.D
Acq On : 23 Jun 2025 15:31
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 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:54:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 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

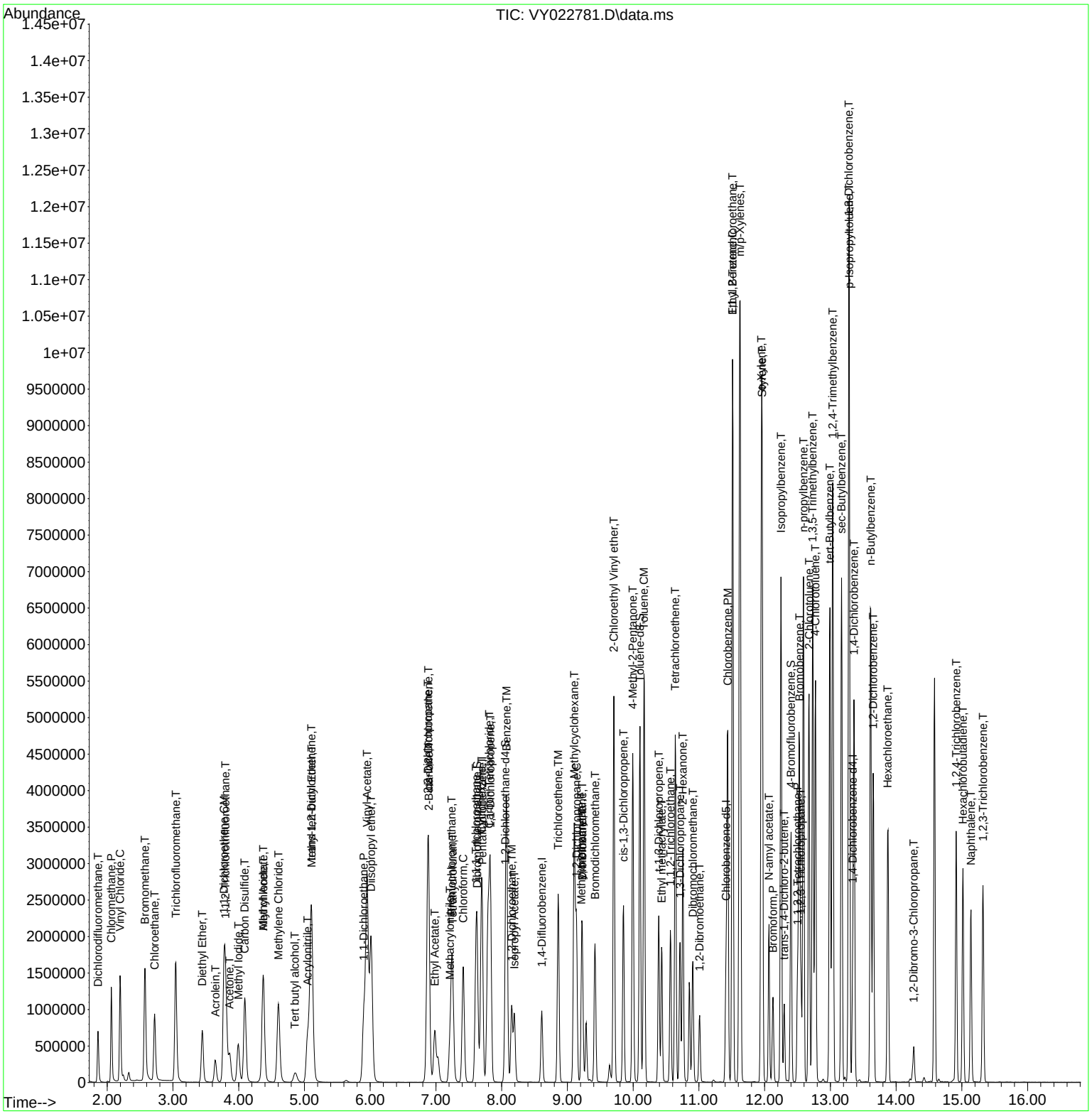
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022781.D
Acq On : 23 Jun 2025 15:31
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 02:54:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	480076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	806385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	709921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	359311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	268490	50.109	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.220%			
35) Dibromofluoromethane	7.628	113	246693	50.304	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.600%			
50) Toluene-d8	10.103	98	968221	49.755	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.500%			
62) 4-Bromofluorobenzene	12.401	95	314924	50.342	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	188576	45.936	ug/l	99
3) Chloromethane	2.068	50	383362	48.905	ug/l	97
4) Vinyl Chloride	2.196	62	480207	49.034	ug/l	100
5) Bromomethane	2.586	94	372449	48.375	ug/l	98
6) Chloroethane	2.726	64	317341	48.206	ug/l	98
7) Trichlorofluoromethane	3.043	101	519156	47.875	ug/l	99
8) Diethyl Ether	3.452	74	128819	48.097	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.805	101	234148	47.248	ug/l	98
10) Methyl Iodide	3.994	142	252766	46.847	ug/l	100
11) Tert butyl alcohol	4.860	59	90461	253.906	ug/l #	86
12) 1,1-Dichloroethene	3.781	96	232605	47.868	ug/l	94
13) Acrolein	3.647	56	99713	206.396	ug/l	100
14) Allyl chloride	4.378	41	357454	47.825	ug/l	99
15) Acrylonitrile	5.049	53	278053	248.823	ug/l	99
16) Acetone	3.860	43	217427	214.694	ug/l	95
17) Carbon Disulfide	4.098	76	753545	48.003	ug/l	99
18) Methyl Acetate	4.385	43	169460	50.527	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	652685	49.329	ug/l	99
20) Methylene Chloride	4.610	84	279076	43.635	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	266943	48.066	ug/l	98
22) Diisopropyl ether	6.012	45	800669	48.237	ug/l	93
23) Vinyl Acetate	5.951	43	2264377	247.008	ug/l	99
24) 1,1-Dichloroethane	5.909	63	486998	48.573	ug/l	99
25) 2-Butanone	6.890	43	353339	239.723	ug/l	98
26) 2,2-Dichloropropane	6.878	77	388040	46.171	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	308904	47.867	ug/l	100
28) Bromochloromethane	7.244	49	211120	50.087	ug/l	100
29) Tetrahydrofuran	7.256	42	235186	252.693	ug/l	100
30) Chloroform	7.414	83	500741	48.491	ug/l	97
31) Cyclohexane	7.695	56	422671	45.926	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	431799	48.388	ug/l	99
36) 1,1-Dichloropropene	7.829	75	354829	47.735	ug/l	100
37) Ethyl Acetate	6.982	43	160039	49.894	ug/l	99
38) Carbon Tetrachloride	7.817	117	373583	47.632	ug/l	98
39) Methylcyclohexane	9.103	83	463905	48.226	ug/l	98
40) Benzene	8.073	78	1105593	48.376	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	106081m	53.720	ug/l	
42) 1,2-Dichloroethane	8.152	62	307548	49.108	ug/l	100
43) Isopropyl Acetate	8.195	43	333219	49.983	ug/l	99
44) Trichloroethene	8.859	130	274874	47.904	ug/l	98
45) 1,2-Dichloropropane	9.140	63	259472	48.510	ug/l	100
46) Dibromomethane	9.231	93	145961	48.070	ug/l	98
47) Bromodichloromethane	9.420	83	382665	48.872	ug/l	99
48) Methyl methacrylate	9.219	41	164362	51.285	ug/l	99
49) 1,4-Dioxane	9.225	88	35276	983.335	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	867628	256.103	ug/l	99
52) Toluene	10.170	92	704960	48.894	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	348211	49.428	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	404721	49.547	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	194151	49.380	ug/l	98
56) Ethyl methacrylate	10.432	69	270067	51.054	ug/l	99
57) 1,3-Dichloropropane	10.713	76	340025	49.568	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	680973	245.249	ug/l	100
59) 2-Hexanone	10.755	43	580425	251.999	ug/l	99
60) Dibromochloromethane	10.908	129	253700	49.955	ug/l	100
61) 1,2-Dibromoethane	11.011	107	181754	49.399	ug/l	99
64) Tetrachloroethene	10.646	164	303522	45.257	ug/l	98
65) Chlorobenzene	11.438	112	750243	48.095	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	253468	47.973	ug/l	99
67) Ethyl Benzene	11.517	91	1351655	49.316	ug/l	100
68) m/p-Xylenes	11.621	106	1043651	98.506	ug/l	100
69) o-Xylene	11.950	106	495462	49.631	ug/l	99
70) Styrene	11.962	104	834381	49.897	ug/l	99
71) Bromoform	12.127	173	142330	48.380	ug/l	99
73) Isopropylbenzene	12.249	105	1264391	47.581	ug/l	100
74) N-amyl acetate	12.066	43	299778	50.258	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	213316	49.808	ug/l	99
76) 1,2,3-Trichloropropane	12.548	75	171584m	46.775	ug/l	
77) Bromobenzene	12.529	156	287890	47.796	ug/l	100
78) n-propylbenzene	12.590	91	1543476	48.108	ug/l	100
79) 2-Chlorotoluene	12.676	91	871527	48.080	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	1052077	49.044	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	66143	45.554	ug/l	99
82) 4-Chlorotoluene	12.773	91	919177	48.276	ug/l	99
83) tert-Butylbenzene	12.993	119	917192	48.481	ug/l	99
84) 1,2,4-Trimethylbenzene	13.035	105	1058356	49.278	ug/l	99
85) sec-Butylbenzene	13.170	105	1377847	48.405	ug/l	100
86) p-Isopropyltoluene	13.285	119	1157677	48.873	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	584110	48.286	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	574913	47.844	ug/l	100
89) n-Butylbenzene	13.615	91	1083397	48.623	ug/l	100
90) Hexachloroethane	13.877	117	228507	48.434	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	512081	48.036	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35693	49.145	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	293980	48.842	ug/l	99
94) Hexachlorobutadiene	15.017	225	157173	46.178	ug/l	98
95) Naphthalene	15.139	128	558879	51.347	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	252267	48.503	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 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

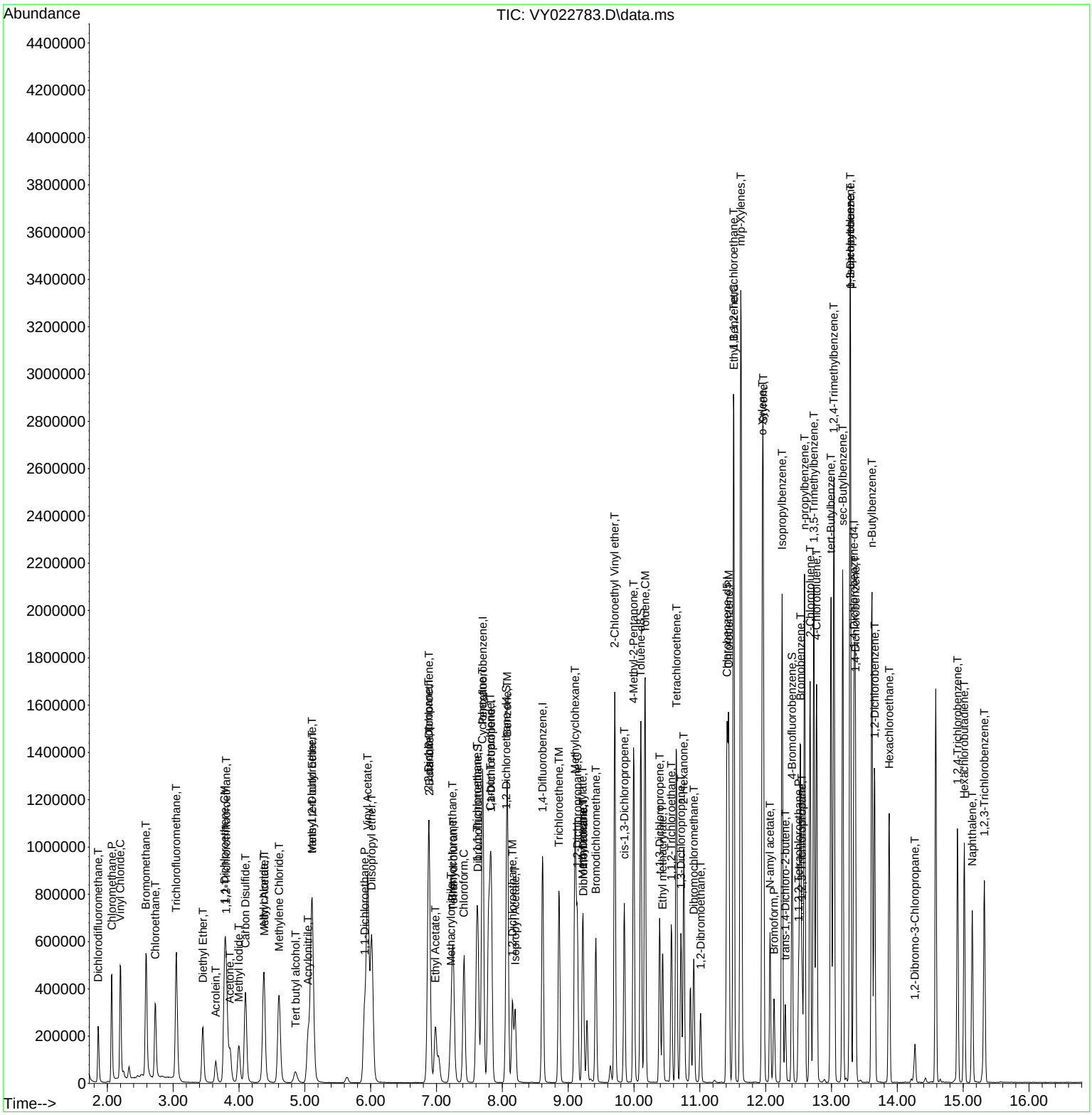
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	103	-0.01
2	T	Dichlorodifluoromethane	0.428	0.393	8.2	95	0.00
3	P	Chloromethane	0.816	0.799	2.1	104	0.00
4	C	Vinyl Chloride	1.020	1.000	2.0#	99	0.00
5	T	Bromomethane	0.802	0.776	3.2	104	-0.01
6	T	Chloroethane	0.686	0.661	3.6	98	-0.01
7	T	Trichlorofluoromethane	1.129	1.081	4.3	96	-0.01
8	T	Diethyl Ether	0.279	0.268	3.9	97	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.516	0.488	5.4	97	-0.01
10	T	Methyl Iodide	0.562	0.527	6.2	87	-0.01
11	T	Tert butyl alcohol	0.037	0.038	-2.7	102	-0.02
12	CM	1,1-Dichloroethene	0.506	0.485	4.2#	97	-0.02
13	T	Acrolein	0.050	0.042	16.0	86	-0.01
14	T	Allyl chloride	0.778	0.745	4.2	96	-0.01
15	T	Acrylonitrile	0.116	0.116	0.0	99	-0.02
16	T	Acetone	0.105	0.091	13.3	98	-0.02
17	T	Carbon Disulfide	1.635	1.570	4.0	97	-0.01
18	T	Methyl Acetate	0.349	0.353	-1.1	104	-0.01
19	T	Methyl tert-butyl Ether	1.378	1.360	1.3	98	-0.02
20	T	Methylene Chloride	0.666	0.581	12.8	101	-0.01
21	T	trans-1,2-Dichloroethene	0.578	0.556	3.8	97	-0.01
22	T	Diisopropyl ether	1.729	1.668	3.5	96	-0.01
23	T	Vinyl Acetate	0.955	0.943	1.3	96	-0.02
24	P	1,1-Dichloroethane	1.044	1.014	2.9	97	-0.01
25	T	2-Butanone	0.154	0.147	4.5	99	-0.01
26	T	2,2-Dichloropropane	0.875	0.808	7.7	94	-0.01
27	T	cis-1,2-Dichloroethene	0.672	0.643	4.3	97	-0.01
28	T	Bromochloromethane	0.439	0.440	-0.2	99	0.00
29	T	Tetrahydrofuran	0.097	0.098	-1.0	99	-0.01
30	C	Chloroform	1.076	1.043	3.1#	98	-0.01
31	T	Cyclohexane	0.959	0.880	8.2	96	-0.01
32	T	1,1,1-Trichloroethane	0.929	0.899	3.2	97	0.00
33	S	1,2-Dichloroethane-d4	0.558	0.559	-0.2	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35	S	Dibromofluoromethane	0.304	0.306	-0.7	103	-0.01
36	T	1,1-Dichloropropene	0.461	0.440	4.6	96	-0.01
37	T	Ethyl Acetate	0.199	0.198	0.5	99	-0.01
38	T	Carbon Tetrachloride	0.486	0.463	4.7	97	0.00
39	T	Methylcyclohexane	0.596	0.575	3.5	96	-0.01
40	TM	Benzene	1.417	1.371	3.2	96	-0.01
41	T	Methacrylonitrile	0.122	0.132	-8.2	113	-0.01
42	TM	1,2-Dichloroethane	0.388	0.381	1.8	98	-0.01
43	T	Isopropyl Acetate	0.413	0.413	0.0	97	0.00
44	TM	Trichloroethene	0.356	0.341	4.2	94	0.00
45	C	1,2-Dichloropropane	0.332	0.322	3.0#	97	0.00
46	T	Dibromomethane	0.188	0.181	3.7	97	0.00
47	T	Bromodichloromethane	0.485	0.475	2.1	98	0.00
48	T	Methyl methacrylate	0.199	0.204	-2.5	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 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	97	-0.02
50	S	Toluene-d8	1.207	1.201	0.5	101	0.00
51	T	4-Methyl-2-Pentanone	0.210	0.215	-2.4	98	0.00
52	CM	Toluene	0.894	0.874	2.2#	97	0.00
53	T	t-1,3-Dichloropropene	0.437	0.432	1.1	98	0.00
54	T	cis-1,3-Dichloropropene	0.506	0.502	0.8	98	0.00
55	T	1,1,2-Trichloroethane	0.244	0.241	1.2	98	0.00
56	T	Ethyl methacrylate	0.328	0.335	-2.1	97	-0.01
57	T	1,3-Dichloropropane	0.425	0.422	0.7	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.145	0.169	-16.6	102	0.00
59	T	2-Hexanone	0.143	0.144	-0.7	98	0.00
60	T	Dibromochloromethane	0.315	0.315	0.0	98	0.00
61	T	1,2-Dibromoethane	0.228	0.225	1.3	98	0.00
62	S	4-Bromofluorobenzene	0.388	0.391	-0.8	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.472	0.428	9.3	86	0.00
65	PM	Chlorobenzene	1.099	1.057	3.8	98	0.00
66	T	1,1,1,2-Tetrachloroethane	0.372	0.357	4.0	96	0.00
67	C	Ethyl Benzene	1.930	1.904	1.3#	98	0.00
68	T	m/p-Xylenes	0.746	0.735	1.5	98	-0.01
69	T	o-Xylene	0.703	0.698	0.7	99	0.00
70	T	Styrene	1.178	1.175	0.3	98	0.00
71	P	Bromoform	0.207	0.200	3.4	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	3.698	3.519	4.8	97	0.00
74	T	N-amyl acetate	0.830	0.834	-0.5	97	0.00
75	P	1,1,2,2-Tetrachloroethane	0.596	0.594	0.3	109	0.00
76	T	1,2,3-Trichloropropane	0.510	0.478	6.3	98	0.00
77	T	Bromobenzene	0.838	0.801	4.4	98	0.00
78	T	n-propylbenzene	4.465	4.296	3.8	98	0.00
79	T	2-Chlorotoluene	2.522	2.426	3.8	98	0.00
80	T	1,3,5-Trimethylbenzene	2.985	2.928	1.9	100	0.00
81	T	trans-1,4-Dichloro-2-butene	0.202	0.184	8.9	97	0.00
82	T	4-Chlorotoluene	2.650	2.558	3.5	99	0.00
83	T	tert-Butylbenzene	2.633	2.553	3.0	98	0.00
84	T	1,2,4-Trimethylbenzene	2.989	2.946	1.4	99	0.00
85	T	sec-Butylbenzene	3.961	3.835	3.2	98	0.00
86	T	p-Isopropyltoluene	3.296	3.222	2.2	98	0.00
87	T	1,3-Dichlorobenzene	1.683	1.626	3.4	99	0.00
88	T	1,4-Dichlorobenzene	1.672	1.600	4.3	99	0.00
89	T	n-Butylbenzene	3.101	3.015	2.8	98	0.00
90	T	Hexachloroethane	0.657	0.636	3.2	98	0.00
91	T	1,2-Dichlorobenzene	1.483	1.425	3.9	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.101	0.099	2.0	100	0.00
93	T	1,2,4-Trichlorobenzene	0.838	0.818	2.4	101	0.00
94	T	Hexachlorobutadiene	0.474	0.437	7.8	98	0.00
95	T	Naphthalene	1.515	1.555	-2.6	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 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	0.724	0.702	3.0	100	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\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	103	-0.01
2	T	Dichlorodifluoromethane	50.000	45.936	8.1	95	0.00
3	P	Chloromethane	50.000	48.905	2.2	104	0.00
4	C	Vinyl Chloride	50.000	49.034	1.9#	99	0.00
5	T	Bromomethane	50.000	48.375	3.3	104	-0.01
6	T	Chloroethane	50.000	48.206	3.6	98	-0.01
7	T	Trichlorofluoromethane	50.000	47.875	4.3	96	-0.01
8	T	Diethyl Ether	50.000	48.097	3.8	97	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.248	5.5	97	-0.01
10	T	Methyl Iodide	50.000	46.847	6.3	87	-0.01
11	T	Tert butyl alcohol	250.000	253.906	-1.6	102	-0.02
12	CM	1,1-Dichloroethene	50.000	47.868	4.3#	97	-0.02
13	T	Acrolein	250.000	206.396	17.4	86	-0.01
14	T	Allyl chloride	50.000	47.825	4.3	96	-0.01
15	T	Acrylonitrile	250.000	248.823	0.5	99	-0.02
16	T	Acetone	250.000	214.694	14.1	98	-0.02
17	T	Carbon Disulfide	50.000	48.003	4.0	97	-0.01
18	T	Methyl Acetate	50.000	50.527	-1.1	104	-0.01
19	T	Methyl tert-butyl Ether	50.000	49.329	1.3	98	-0.02
20	T	Methylene Chloride	50.000	43.635	12.7	101	-0.01
21	T	trans-1,2-Dichloroethene	50.000	48.066	3.9	97	-0.01
22	T	Diisopropyl ether	50.000	48.237	3.5	96	-0.01
23	T	Vinyl Acetate	250.000	247.008	1.2	96	-0.02
24	P	1,1-Dichloroethane	50.000	48.573	2.9	97	-0.01
25	T	2-Butanone	250.000	239.723	4.1	99	-0.01
26	T	2,2-Dichloropropane	50.000	46.171	7.7	94	-0.01
27	T	cis-1,2-Dichloroethene	50.000	47.867	4.3	97	-0.01
28	T	Bromochloromethane	50.000	50.087	-0.2	99	0.00
29	T	Tetrahydrofuran	250.000	252.693	-1.1	99	-0.01
30	C	Chloroform	50.000	48.491	3.0#	98	-0.01
31	T	Cyclohexane	50.000	45.926	8.1	96	-0.01
32	T	1,1,1-Trichloroethane	50.000	48.388	3.2	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.109	-0.2	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35	S	Dibromofluoromethane	50.000	50.304	-0.6	103	-0.01
36	T	1,1-Dichloropropene	50.000	47.735	4.5	96	-0.01
37	T	Ethyl Acetate	50.000	49.894	0.2	99	-0.01
38	T	Carbon Tetrachloride	50.000	47.632	4.7	97	0.00
39	T	Methylcyclohexane	50.000	48.226	3.5	96	-0.01
40	TM	Benzene	50.000	48.376	3.2	96	-0.01
41	T	Methacrylonitrile	50.000	53.720	-7.4	113	-0.01
42	TM	1,2-Dichloroethane	50.000	49.108	1.8	98	-0.01
43	T	Isopropyl Acetate	50.000	49.983	0.0	97	0.00
44	TM	Trichloroethene	50.000	47.904	4.2	94	0.00
45	C	1,2-Dichloropropane	50.000	48.510	3.0#	97	0.00
46	T	Dibromomethane	50.000	48.070	3.9	97	0.00
47	T	Bromodichloromethane	50.000	48.872	2.3	98	0.00
48	T	Methyl methacrylate	50.000	51.285	-2.6	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 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	983.335	1.7	97	-0.02
50	S	Toluene-d8	50.000	49.755	0.5	101	0.00
51	T	4-Methyl-2-Pentanone	250.000	256.103	-2.4	98	0.00
52	CM	Toluene	50.000	48.894	2.2#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	49.428	1.1	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.547	0.9	98	0.00
55	T	1,1,2-Trichloroethane	50.000	49.380	1.2	98	0.00
56	T	Ethyl methacrylate	50.000	51.054	-2.1	97	-0.01
57	T	1,3-Dichloropropane	50.000	49.568	0.9	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	245.249	1.9	102	0.00
59	T	2-Hexanone	250.000	251.999	-0.8	98	0.00
60	T	Dibromochloromethane	50.000	49.955	0.1	98	0.00
61	T	1,2-Dibromoethane	50.000	49.399	1.2	98	0.00
62	S	4-Bromofluorobenzene	50.000	50.342	-0.7	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	45.257	9.5	86	0.00
65	PM	Chlorobenzene	50.000	48.095	3.8	98	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.973	4.1	96	0.00
67	C	Ethyl Benzene	50.000	49.316	1.4#	98	0.00
68	T	m/p-Xylenes	100.000	98.506	1.5	98	-0.01
69	T	o-Xylene	50.000	49.631	0.7	99	0.00
70	T	Styrene	50.000	49.897	0.2	98	0.00
71	P	Bromoform	50.000	48.380	3.2	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	47.581	4.8	97	0.00
74	T	N-amyl acetate	50.000	50.258	-0.5	97	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.808	0.4	109	0.00
76	T	1,2,3-Trichloropropane	50.000	46.775	6.5	98	0.00
77	T	Bromobenzene	50.000	47.796	4.4	98	0.00
78	T	n-propylbenzene	50.000	48.108	3.8	98	0.00
79	T	2-Chlorotoluene	50.000	48.080	3.8	98	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.044	1.9	100	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.554	8.9	97	0.00
82	T	4-Chlorotoluene	50.000	48.276	3.4	99	0.00
83	T	tert-Butylbenzene	50.000	48.481	3.0	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.278	1.4	99	0.00
85	T	sec-Butylbenzene	50.000	48.405	3.2	98	0.00
86	T	p-Isopropyltoluene	50.000	48.873	2.3	98	0.00
87	T	1,3-Dichlorobenzene	50.000	48.286	3.4	99	0.00
88	T	1,4-Dichlorobenzene	50.000	47.844	4.3	99	0.00
89	T	n-Butylbenzene	50.000	48.623	2.8	98	0.00
90	T	Hexachloroethane	50.000	48.434	3.1	98	0.00
91	T	1,2-Dichlorobenzene	50.000	48.036	3.9	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.145	1.7	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.842	2.3	101	0.00
94	T	Hexachlorobutadiene	50.000	46.178	7.6	98	0.00
95	T	Naphthalene	50.000	51.347	-2.7	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 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	48.503	3.0	100	0.00

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

Raw Data: **VY022903.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: JPCL01
Lab Code: ACE
SDG No.: Q2473
Instrument ID: MSVOA_Y
Calibration Date/Time: 07/02/2025 10:37
Lab File ID: VY022903.D
Init. Calib. Date(s): 06/23/2025 06/23/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 13:38 15:31
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.411		-3.97	20
Chloromethane	0.816	0.897	0.1	9.93	20
Vinyl Chloride	1.020	1.044		2.35	20
Bromomethane	0.802	0.808		0.75	20
Chloroethane	0.686	0.718		4.66	20
Trichlorofluoromethane	1.129	1.131		0.18	20
1,1,2-Trichlorotrifluoroethane	0.516	0.529		2.52	20
1,1-Dichloroethene	0.506	0.524		3.56	20
Acetone	0.105	0.130		23.81	20
Carbon Disulfide	1.635	1.666		1.9	20
Methyl tert-butyl Ether	1.378	1.459		5.88	20
Methyl Acetate	0.349	0.342		-2.01	20
Methylene Chloride	0.666	0.654		-1.8	20
trans-1,2-Dichloroethene	0.578	0.601		3.98	20
1,1-Dichloroethane	1.044	1.127	0.1	7.95	20
Cyclohexane	0.959	1.013		5.63	20
2-Butanone	0.154	0.175		13.64	20
Carbon Tetrachloride	0.486	0.518		6.58	20
cis-1,2-Dichloroethene	0.672	0.696		3.57	20
Bromochloromethane	0.439	0.455		3.64	20
Chloroform	1.076	1.121		4.28	20
1,1,1-Trichloroethane	0.929	0.989		6.46	20
Methylcyclohexane	0.596	0.656		10.07	20
Benzene	1.417	1.521		7.34	20
1,2-Dichloroethane	0.388	0.415		6.96	20
Trichloroethene	0.356	0.379		6.46	20
1,2-Dichloropropane	0.332	0.363		9.34	20
Bromodichloromethane	0.485	0.513		5.77	20
4-Methyl-2-Pentanone	0.210	0.238		13.33	20
Toluene	0.894	0.967		8.17	20
t-1,3-Dichloropropene	0.437	0.480		9.84	20
cis-1,3-Dichloropropene	0.506	0.551		8.89	20
1,1,2-Trichloroethane	0.244	0.260		6.56	20
2-Hexanone	0.143	0.165		15.39	20
Dibromochloromethane	0.315	0.331		5.08	20
1,2-Dibromoethane	0.228	0.239		4.82	20
Tetrachloroethene	0.472	0.498		5.51	20
Chlorobenzene	1.099	1.178	0.3	7.19	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: **VY022903.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: JPCL01
Lab Code: ACE
SDG No.: Q2473
Instrument ID: MSVOA_Y
Calibration Date/Time: 07/02/2025 10:37
Lab File ID: VY022903.D
Init. Calib. Date(s): 06/23/2025 06/23/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 13:38 15:31
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	2.164		12.12	20
m/p-Xylenes	0.746	0.834		11.8	20
o-Xylene	0.703	0.783		11.38	20
Styrene	1.178	1.313		11.46	20
Bromoform	0.207	0.220	0.1	6.28	20
Isopropylbenzene	3.698	4.114		11.25	20
1,1,2,2-Tetrachloroethane	0.596	0.635	0.3	6.54	20
1,3-Dichlorobenzene	1.683	1.822		8.26	20
1,4-Dichlorobenzene	1.672	1.793		7.24	20
1,2-Dichlorobenzene	1.483	1.577		6.34	20
1,2-Dibromo-3-Chloropropane	0.101	0.105		3.96	20
1,2,4-Trichlorobenzene	0.838	0.880		5.01	20
1,2,3-Trichlorobenzene	0.724	0.729		0.69	20
1,2-Dichloroethane-d4	0.558	0.550		-1.43	20
Dibromofluoromethane	0.304	0.303		-0.33	20
Toluene-d8	1.207	1.217		0.83	20
4-Bromofluorobenzene	0.388	0.389		0.26	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022903.D
Acq On : 02 Jul 2025 10:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 02:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	453239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	750175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	644334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	321198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	249332	49.289	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.580%			
35) Dibromofluoromethane	7.634	113	227050	49.768	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.540%			
50) Toluene-d8	10.109	98	913078	50.437	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.880%			
62) 4-Bromofluorobenzene	12.402	95	291499	50.088	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	186320	48.074	ug/l	98
3) Chloromethane	2.068	50	406579	54.938	ug/l	98
4) Vinyl Chloride	2.202	62	473041	51.162	ug/l	100
5) Bromomethane	2.598	94	366252	50.387	ug/l	99
6) Chloroethane	2.739	64	325483	52.370	ug/l	95
7) Trichlorofluoromethane	3.056	101	512534	50.063	ug/l	97
8) Diethyl Ether	3.458	74	131602	52.045	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	239790	51.252	ug/l	98
10) Methyl Iodide	4.007	142	268171	52.645	ug/l	99
11) Tert butyl alcohol	4.891	59	77275	229.738	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	237332	51.733	ug/l	97
13) Acrolein	3.659	56	59412	130.259	ug/l	98
14) Allyl chloride	4.385	41	389043	55.134	ug/l	93
15) Acrylonitrile	5.061	53	283103	268.343	ug/l	100
16) Acetone	3.879	43	295403	308.962	ug/l	97
17) Carbon Disulfide	4.104	76	755112	50.951	ug/l	100
18) Methyl Acetate	4.391	43	154964	48.941	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	661264	52.936	ug/l	100
20) Methylene Chloride	4.616	84	296352	49.080	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	272178	51.911	ug/l	99
22) Diisopropyl ether	6.025	45	859742	54.863	ug/l	98
23) Vinyl Acetate	5.964	43	2436577	281.530	ug/l	100
24) 1,1-Dichloroethane	5.921	63	510988	53.984	ug/l	99
25) 2-Butanone	6.903	43	396519	284.947	ug/l	98
26) 2,2-Dichloropropane	6.890	77	438828	55.306	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	315381	51.765	ug/l	97
28) Bromochloromethane	7.244	49	206234	51.825	ug/l	97
29) Tetrahydrofuran	7.268	42	237778	270.605	ug/l	98
30) Chloroform	7.427	83	508238	52.131	ug/l	94
31) Cyclohexane	7.701	56	459160	52.845	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	448242	53.205	ug/l	99
36) 1,1-Dichloropropene	7.835	75	371706	53.752	ug/l	100
37) Ethyl Acetate	6.988	43	165291	55.392	ug/l	98
38) Carbon Tetrachloride	7.823	117	388703	53.273	ug/l	99
39) Methylcyclohexane	9.109	83	491933	54.971	ug/l	99
40) Benzene	8.079	78	1141160	53.674	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022903.D
Acq On : 02 Jul 2025 10:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 02:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	89058	48.479	ug/l		96
42) 1,2-Dichloroethane	8.158	62	311167	53.409	ug/l		99
43) Isopropyl Acetate	8.201	43	339974	54.817	ug/l		99
44) Trichloroethene	8.866	130	284153	53.232	ug/l		100
45) 1,2-Dichloropropane	9.140	63	272403	54.743	ug/l		100
46) Dibromomethane	9.231	93	145649	51.562	ug/l		96
47) Bromodichloromethane	9.426	83	384954	52.849	ug/l		95
48) Methyl methacrylate	9.219	41	166230	55.754	ug/l		94
49) 1,4-Dioxane	9.238	88	32026	959.632	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	891979	283.019	ug/l		97
52) Toluene	10.170	92	725115	54.060	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	360192	54.960	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	413613	54.430	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	194751	53.244	ug/l		96
56) Ethyl methacrylate	10.438	69	273989	55.677	ug/l		94
57) 1,3-Dichloropropane	10.719	76	342524	53.673	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	675089	260.320	ug/l		100
59) 2-Hexanone	10.762	43	618341	288.576	ug/l		98
60) Dibromochloromethane	10.914	129	248656	52.630	ug/l		99
61) 1,2-Dibromoethane	11.018	107	179534	52.452	ug/l		98
64) Tetrachloroethene	10.646	164	320778	52.699	ug/l		96
65) Chlorobenzene	11.444	112	759204	53.623	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	254715	53.117	ug/l		98
67) Ethyl Benzene	11.518	91	1394245	56.048	ug/l		98
68) m/p-Xylenes	11.627	106	1074780	111.770	ug/l		99
69) o-Xylene	11.957	106	504799	55.713	ug/l		99
70) Styrene	11.969	104	846178	55.754	ug/l		99
71) Bromoform	12.133	173	141673	53.058	ug/l	#	99
73) Isopropylbenzene	12.255	105	1321351	55.625	ug/l		99
74) N-amyl acetate	12.072	43	308837	57.921	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	204060	53.300	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	160991m	49.095	ug/l		
77) Bromobenzene	12.530	156	287274	53.353	ug/l		99
78) n-propylbenzene	12.597	91	1616734	56.371	ug/l		98
79) 2-Chlorotoluene	12.676	91	895405	55.258	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1071945	55.899	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	73314	56.484	ug/l		97
82) 4-Chlorotoluene	12.780	91	925486	54.375	ug/l		100
83) tert-Butylbenzene	12.999	119	955110	56.476	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1072543	55.864	ug/l		99
85) sec-Butylbenzene	13.176	105	1449215	56.954	ug/l		100
86) p-Isopropyltoluene	13.292	119	1197717	56.563	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	585352	54.130	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	576014	53.624	ug/l		99
89) n-Butylbenzene	13.615	91	1146686	57.570	ug/l		99
90) Hexachloroethane	13.877	117	228866	54.266	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	506458	53.145	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	33664	51.851	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	282495	52.504	ug/l		98
94) Hexachlorobutadiene	15.023	225	154702	50.846	ug/l		98
95) Naphthalene	15.139	128	508722	52.284	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	234121	50.355	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022903.D
Acq On : 02 Jul 2025 10:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 02:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025

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

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

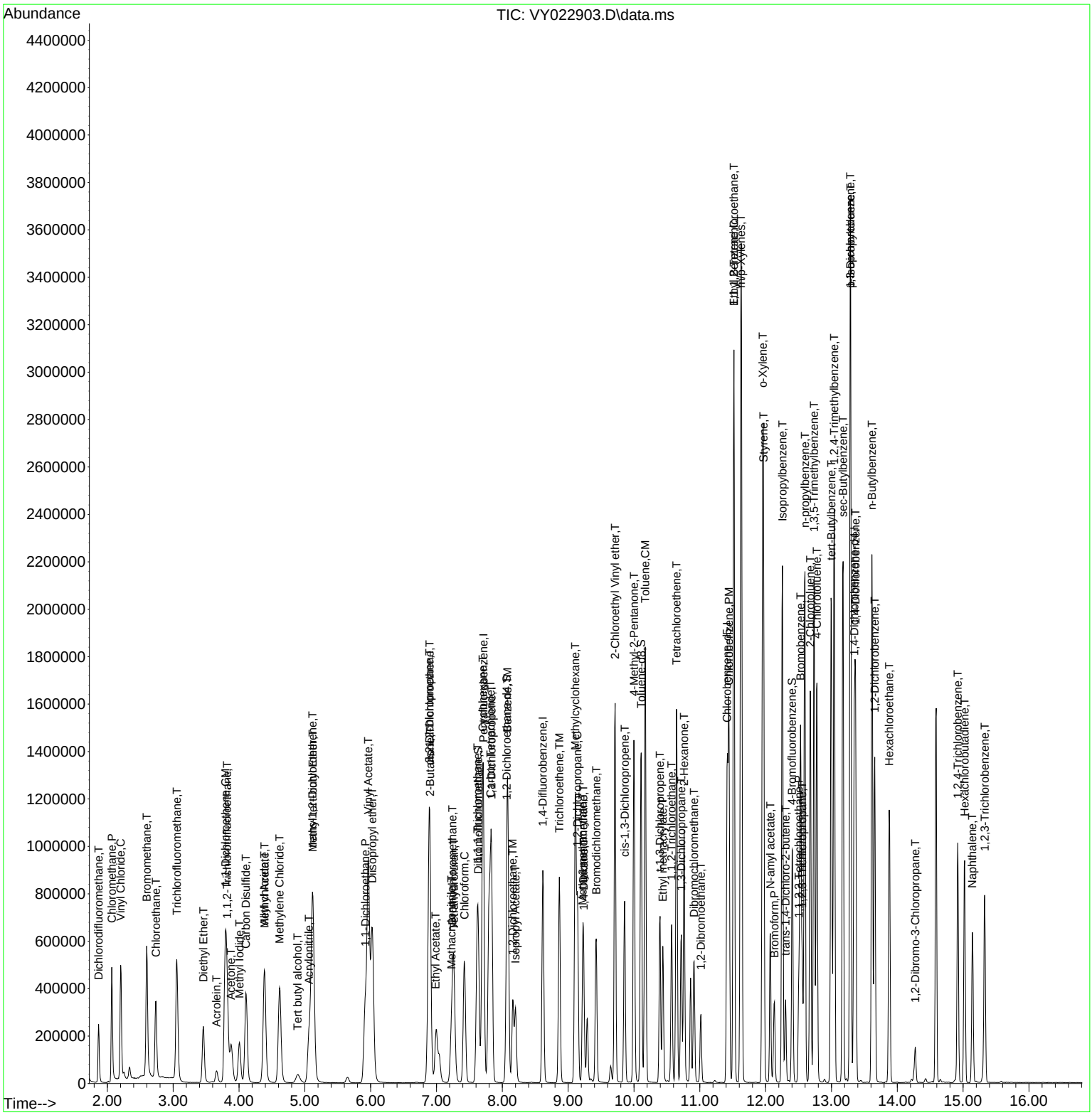
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022903.D
Acq On : 02 Jul 2025 10:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 02:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025



Evaluate Continuing Calibration Report

Sample Results: **VY022903.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022903.D
Acq On : 02 Jul 2025 10:37
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 03 02:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	97	0.00
2	T	Dichlorodifluoromethane	0.428	0.411	4.0	94	0.00
3	P	Chloromethane	0.816	0.897	-9.9	110	0.00
4	C	Vinyl Chloride	1.020	1.044	-2.4#	97	0.00
5	T	Bromomethane	0.802	0.808	-0.7	102	0.00
6	T	Chloroethane	0.686	0.718	-4.7	101	0.00
7	T	Trichlorofluoromethane	1.129	1.131	-0.2	94	0.00
8	T	Diethyl Ether	0.279	0.290	-3.9	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.516	0.529	-2.5	100	0.00
10	T	Methyl Iodide	0.562	0.592	-5.3	92	0.00
11	T	Tert butyl alcohol	0.037	0.034	8.1	87	0.00
12	CM	1,1-Dichloroethene	0.506	0.524	-3.6#	99	0.00
13	T	Acrolein	0.050	0.026	48.0#	52	0.00
14	T	Allyl chloride	0.778	0.858	-10.3	105	0.00
15	T	Acrylonitrile	0.116	0.125	-7.8	101	0.00
16	T	Acetone	0.105	0.130	-23.8	133	0.00
17	T	Carbon Disulfide	1.635	1.666	-1.9	97	0.00
18	T	Methyl Acetate	0.349	0.342	2.0	95	0.00
19	T	Methyl tert-butyl Ether	1.378	1.459	-5.9	99	0.00
20	T	Methylene Chloride	0.666	0.654	1.8	108	0.00
21	T	trans-1,2-Dichloroethene	0.578	0.601	-4.0	99	0.00
22	T	Diisopropyl ether	1.729	1.897	-9.7	103	0.00
23	T	Vinyl Acetate	0.955	1.075	-12.6	103	0.00
24	P	1,1-Dichloroethane	1.044	1.127	-8.0	102	0.00
25	T	2-Butanone	0.154	0.175	-13.6	111	0.00
26	T	2,2-Dichloropropane	0.875	0.968	-10.6	106	0.00
27	T	cis-1,2-Dichloroethene	0.672	0.696	-3.6	99	0.00
28	T	Bromochloromethane	0.439	0.455	-3.6	96	0.00
29	T	Tetrahydrofuran	0.097	0.105	-8.2	100	0.00
30	C	Chloroform	1.076	1.121	-4.2#	99	0.00
31	T	Cyclohexane	0.959	1.013	-5.6	104	0.00
32	T	1,1,1-Trichloroethane	0.929	0.989	-6.5	101	0.00
33	S	1,2-Dichloroethane-d4	0.558	0.550	1.4	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.304	0.303	0.3	95	0.00
36	T	1,1-Dichloropropene	0.461	0.495	-7.4	101	0.00
37	T	Ethyl Acetate	0.199	0.220	-10.6	102	0.00
38	T	Carbon Tetrachloride	0.486	0.518	-6.6	101	0.00
39	T	Methylcyclohexane	0.596	0.656	-10.1	101	0.00
40	TM	Benzene	1.417	1.521	-7.3	99	0.00
41	T	Methacrylonitrile	0.122	0.119	2.5	95	0.00
42	TM	1,2-Dichloroethane	0.388	0.415	-7.0	99	0.00
43	T	Isopropyl Acetate	0.413	0.453	-9.7	99	0.00
44	TM	Trichloroethene	0.356	0.379	-6.5	97	0.00
45	C	1,2-Dichloropropane	0.332	0.363	-9.3#	102	0.00
46	T	Dibromomethane	0.188	0.194	-3.2	97	0.00
47	T	Bromodichloromethane	0.485	0.513	-5.8	98	0.00
48	T	Methyl methacrylate	0.199	0.222	-11.6	99	0.00

Sample Results: **VY022903.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022903.D
Acq On : 02 Jul 2025 10:37
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 03 02:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	88	0.00
50	S	Toluene-d8	1.207	1.217	-0.8	96	0.00
51	T	4-Methyl-2-Pentanone	0.210	0.238	-13.3	101	0.00
52	CM	Toluene	0.894	0.967	-8.2#	100	0.00
53	T	t-1,3-Dichloropropene	0.437	0.480	-9.8	102	0.00
54	T	cis-1,3-Dichloropropene	0.506	0.551	-8.9	101	0.00
55	T	1,1,2-Trichloroethane	0.244	0.260	-6.6	98	0.00
56	T	Ethyl methacrylate	0.328	0.365	-11.3	99	0.00
57	T	1,3-Dichloropropane	0.425	0.457	-7.5	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.145	0.180	-24.1	102	0.00
59	T	2-Hexanone	0.143	0.165	-15.4	104	0.00
60	T	Dibromochloromethane	0.315	0.331	-5.1	96	0.00
61	T	1,2-Dibromoethane	0.228	0.239	-4.8	97	0.00
62	S	4-Bromofluorobenzene	0.388	0.389	-0.3	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.472	0.498	-5.5	91	0.00
65	PM	Chlorobenzene	1.099	1.178	-7.2	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.372	0.395	-6.2	97	0.00
67	C	Ethyl Benzene	1.930	2.164	-12.1#	101	0.00
68	T	m/p-Xylenes	0.746	0.834	-11.8	101	0.00
69	T	o-Xylene	0.703	0.783	-11.4	101	0.00
70	T	Styrene	1.178	1.313	-11.5	99	0.00
71	P	Bromoform	0.207	0.220	-6.3	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.698	4.114	-11.2	101	0.00
74	T	N-amyl acetate	0.830	0.962	-15.9	100	0.00
75	P	1,1,2,2-Tetrachloroethane	0.596	0.635	-6.5	104	0.00
76	T	1,2,3-Trichloropropane	0.510	0.501	1.8	92	0.00
77	T	Bromobenzene	0.838	0.894	-6.7	98	0.00
78	T	n-propylbenzene	4.465	5.033	-12.7	103	0.00
79	T	2-Chlorotoluene	2.522	2.788	-10.5	101	0.00
80	T	1,3,5-Trimethylbenzene	2.985	3.337	-11.8	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.202	0.228	-12.9	107	0.00
82	T	4-Chlorotoluene	2.650	2.881	-8.7	100	0.00
83	T	tert-Butylbenzene	2.633	2.974	-13.0	102	0.00
84	T	1,2,4-Trimethylbenzene	2.989	3.339	-11.7	100	0.00
85	T	sec-Butylbenzene	3.961	4.512	-13.9	103	0.00
86	T	p-Isopropyltoluene	3.296	3.729	-13.1	102	0.00
87	T	1,3-Dichlorobenzene	1.683	1.822	-8.3	99	0.00
88	T	1,4-Dichlorobenzene	1.672	1.793	-7.2	99	0.00
89	T	n-Butylbenzene	3.101	3.570	-15.1	104	0.00
90	T	Hexachloroethane	0.657	0.713	-8.5	99	0.00
91	T	1,2-Dichlorobenzene	1.483	1.577	-6.3	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.101	0.105	-4.0	95	0.00
93	T	1,2,4-Trichlorobenzene	0.838	0.880	-5.0	97	0.00
94	T	Hexachlorobutadiene	0.474	0.482	-1.7	97	0.00
95	T	Naphthalene	1.515	1.584	-4.6	92	0.00

Sample Results: **VY022903.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022903.D
Acq On : 02 Jul 2025 10:37
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 03 02:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	0.724	0.729	-0.7	93	0.00

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

Sample Results: **VY022903.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022903.D
Acq On : 02 Jul 2025 10:37
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 03 02:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	97	0.00
2	T	Dichlorodifluoromethane	50.000	48.074	3.9	94	0.00
3	P	Chloromethane	50.000	54.938	-9.9	110	0.00
4	C	Vinyl Chloride	50.000	51.162	-2.3#	97	0.00
5	T	Bromomethane	50.000	50.387	-0.8	102	0.00
6	T	Chloroethane	50.000	52.370	-4.7	101	0.00
7	T	Trichlorofluoromethane	50.000	50.063	-0.1	94	0.00
8	T	Diethyl Ether	50.000	52.045	-4.1	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.252	-2.5	100	0.00
10	T	Methyl Iodide	50.000	52.645	-5.3	92	0.00
11	T	Tert butyl alcohol	250.000	229.738	8.1	87	0.00
12	CM	1,1-Dichloroethene	50.000	51.733	-3.5#	99	0.00
13	T	Acrolein	250.000	130.259	47.9#	52	0.00
14	T	Allyl chloride	50.000	55.134	-10.3	105	0.00
15	T	Acrylonitrile	250.000	268.343	-7.3	101	0.00
16	T	Acetone	250.000	308.962	-23.6	133	0.00
17	T	Carbon Disulfide	50.000	50.951	-1.9	97	0.00
18	T	Methyl Acetate	50.000	48.941	2.1	95	0.00
19	T	Methyl tert-butyl Ether	50.000	52.936	-5.9	99	0.00
20	T	Methylene Chloride	50.000	49.080	1.8	108	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.911	-3.8	99	0.00
22	T	Diisopropyl ether	50.000	54.863	-9.7	103	0.00
23	T	Vinyl Acetate	250.000	281.530	-12.6	103	0.00
24	P	1,1-Dichloroethane	50.000	53.984	-8.0	102	0.00
25	T	2-Butanone	250.000	284.947	-14.0	111	0.00
26	T	2,2-Dichloropropane	50.000	55.306	-10.6	106	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.765	-3.5	99	0.00
28	T	Bromochloromethane	50.000	51.825	-3.7	96	0.00
29	T	Tetrahydrofuran	250.000	270.605	-8.2	100	0.00
30	C	Chloroform	50.000	52.131	-4.3#	99	0.00
31	T	Cyclohexane	50.000	52.845	-5.7	104	0.00
32	T	1,1,1-Trichloroethane	50.000	53.205	-6.4	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.289	1.4	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	49.768	0.5	95	0.00
36	T	1,1-Dichloropropene	50.000	53.752	-7.5	101	0.00
37	T	Ethyl Acetate	50.000	55.392	-10.8	102	0.00
38	T	Carbon Tetrachloride	50.000	53.273	-6.5	101	0.00
39	T	Methylcyclohexane	50.000	54.971	-9.9	101	0.00
40	TM	Benzene	50.000	53.674	-7.3	99	0.00
41	T	Methacrylonitrile	50.000	48.479	3.0	95	0.00
42	TM	1,2-Dichloroethane	50.000	53.409	-6.8	99	0.00
43	T	Isopropyl Acetate	50.000	54.817	-9.6	99	0.00
44	TM	Trichloroethene	50.000	53.232	-6.5	97	0.00
45	C	1,2-Dichloropropane	50.000	54.743	-9.5#	102	0.00
46	T	Dibromomethane	50.000	51.562	-3.1	97	0.00
47	T	Bromodichloromethane	50.000	52.849	-5.7	98	0.00
48	T	Methyl methacrylate	50.000	55.754	-11.5	99	0.00

Sample Results: **VY022903.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022903.D
Acq On : 02 Jul 2025 10:37
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 03 02:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	959.632	4.0	88	0.00
50	S	Toluene-d8	50.000	50.437	-0.9	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	283.019	-13.2	101	0.00
52	CM	Toluene	50.000	54.060	-8.1#	100	0.00
53	T	t-1,3-Dichloropropene	50.000	54.960	-9.9	102	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.430	-8.9	101	0.00
55	T	1,1,2-Trichloroethane	50.000	53.244	-6.5	98	0.00
56	T	Ethyl methacrylate	50.000	55.677	-11.4	99	0.00
57	T	1,3-Dichloropropane	50.000	53.673	-7.3	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	260.320	-4.1	102	0.00
59	T	2-Hexanone	250.000	288.576	-15.4	104	0.00
60	T	Dibromochloromethane	50.000	52.630	-5.3	96	0.00
61	T	1,2-Dibromoethane	50.000	52.452	-4.9	97	0.00
62	S	4-Bromofluorobenzene	50.000	50.088	-0.2	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	52.699	-5.4	91	0.00
65	PM	Chlorobenzene	50.000	53.623	-7.2	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.117	-6.2	97	0.00
67	C	Ethyl Benzene	50.000	56.048	-12.1#	101	0.00
68	T	m/p-Xylenes	100.000	111.770	-11.8	101	0.00
69	T	o-Xylene	50.000	55.713	-11.4	101	0.00
70	T	Styrene	50.000	55.754	-11.5	99	0.00
71	P	Bromoform	50.000	53.058	-6.1	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	55.625	-11.3	101	0.00
74	T	N-amyl acetate	50.000	57.921	-15.8	100	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.300	-6.6	104	0.00
76	T	1,2,3-Trichloropropane	50.000	49.095	1.8	92	0.00
77	T	Bromobenzene	50.000	53.353	-6.7	98	0.00
78	T	n-propylbenzene	50.000	56.371	-12.7	103	0.00
79	T	2-Chlorotoluene	50.000	55.258	-10.5	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.899	-11.8	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.484	-13.0	107	0.00
82	T	4-Chlorotoluene	50.000	54.375	-8.8	100	0.00
83	T	tert-Butylbenzene	50.000	56.476	-13.0	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.864	-11.7	100	0.00
85	T	sec-Butylbenzene	50.000	56.954	-13.9	103	0.00
86	T	p-Isopropyltoluene	50.000	56.563	-13.1	102	0.00
87	T	1,3-Dichlorobenzene	50.000	54.130	-8.3	99	0.00
88	T	1,4-Dichlorobenzene	50.000	53.624	-7.2	99	0.00
89	T	n-Butylbenzene	50.000	57.570	-15.1	104	0.00
90	T	Hexachloroethane	50.000	54.266	-8.5	99	0.00
91	T	1,2-Dichlorobenzene	50.000	53.145	-6.3	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.851	-3.7	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.504	-5.0	97	0.00
94	T	Hexachlorobutadiene	50.000	50.846	-1.7	97	0.00
95	T	Naphthalene	50.000	52.284	-4.6	92	0.00

Sample Results: **VY022903.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022903.D
Acq On : 02 Jul 2025 10:37
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 03 02:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.355	-0.7	93	0.00

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

Raw Data: **VY022929.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: JPCL01
Lab Code: ACE
SDG No.: Q2473
Instrument ID: MSVOA_Y
Calibration Date/Time: 07/03/2025 09:26
Lab File ID: VY022929.D
Init. Calib. Date(s): 06/23/2025 06/23/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 13:38 15:31
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.395		-7.71	20
Chloromethane	0.816	0.853	0.1	4.53	20
Vinyl Chloride	1.020	1.001		-1.86	20
Bromomethane	0.802	0.783		-2.37	20
Chloroethane	0.686	0.704		2.62	20
Trichlorofluoromethane	1.129	1.112		-1.51	20
1,1,2-Trichlorotrifluoroethane	0.516	0.521		0.97	20
1,1-Dichloroethene	0.506	0.499		-1.38	20
Acetone	0.105	0.122		16.19	20
Carbon Disulfide	1.635	1.601		-2.08	20
Methyl tert-butyl Ether	1.378	1.350		-2.03	20
Methyl Acetate	0.349	0.306		-12.32	20
Methylene Chloride	0.666	0.618		-7.21	20
trans-1,2-Dichloroethene	0.578	0.573		-0.87	20
1,1-Dichloroethane	1.044	1.086	0.1	4.02	20
Cyclohexane	0.959	0.963		0.42	20
2-Butanone	0.154	0.158		2.6	20
Carbon Tetrachloride	0.486	0.511		5.14	20
cis-1,2-Dichloroethene	0.672	0.674		0.3	20
Bromochloromethane	0.439	0.476		8.43	20
Chloroform	1.076	1.085		0.93	20
1,1,1-Trichloroethane	0.929	0.949		2.15	20
Methylcyclohexane	0.596	0.639		7.22	20
Benzene	1.417	1.504		6.14	20
1,2-Dichloroethane	0.388	0.408		5.16	20
Trichloroethene	0.356	0.371		4.21	20
1,2-Dichloropropane	0.332	0.354		6.63	20
Bromodichloromethane	0.485	0.508		4.74	20
4-Methyl-2-Pentanone	0.210	0.223		6.19	20
Toluene	0.894	0.947		5.93	20
t-1,3-Dichloropropene	0.437	0.460		5.26	20
cis-1,3-Dichloropropene	0.506	0.534		5.53	20
1,1,2-Trichloroethane	0.244	0.251		2.87	20
2-Hexanone	0.143	0.154		7.69	20
Dibromochloromethane	0.315	0.319		1.27	20
1,2-Dibromoethane	0.228	0.231		1.32	20
Tetrachloroethene	0.472	0.517		9.53	20
Chlorobenzene	1.099	1.171	0.3	6.55	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: **VY022929.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: JPCL01
Lab Code: ACE
SDG No.: Q2473
Instrument ID: MSVOA_Y
Calibration Date/Time: 07/03/2025 09:26
Lab File ID: VY022929.D
Init. Calib. Date(s): 06/23/2025 06/23/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 13:38 15:31
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	2.129		10.31	20
m/p-Xylenes	0.746	0.813		8.98	20
o-Xylene	0.703	0.753		7.11	20
Styrene	1.178	1.277		8.4	20
Bromoform	0.207	0.207	0.1	0	20
Isopropylbenzene	3.698	4.069		10.03	20
1,1,2,2-Tetrachloroethane	0.596	0.596	0.3	0	20
1,3-Dichlorobenzene	1.683	1.801		7.01	20
1,4-Dichlorobenzene	1.672	1.727		3.29	20
1,2-Dichlorobenzene	1.483	1.511		1.89	20
1,2-Dibromo-3-Chloropropane	0.101	0.094		-6.93	20
1,2,4-Trichlorobenzene	0.838	0.802		-4.3	20
1,2,3-Trichlorobenzene	0.724	0.673		-7.04	20
1,2-Dichloroethane-d4	0.558	0.550		-1.43	20
Dibromofluoromethane	0.304	0.318		4.61	20
Toluene-d8	1.207	1.258		4.22	20
4-Bromofluorobenzene	0.388	0.393		1.29	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Quant Time: Jul 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	402903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	653588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	556811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	273118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	221711	49.304	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.600%			
35) Dibromofluoromethane	7.634	113	207893	52.303	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.600%			
50) Toluene-d8	10.109	98	822398	52.141	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.280%			
62) 4-Bromofluorobenzene	12.402	95	256743	50.636	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	159301	46.238	ug/l	99
3) Chloromethane	2.068	50	343620	52.232	ug/l	100
4) Vinyl Chloride	2.202	62	403476	49.090	ug/l	99
5) Bromomethane	2.592	94	315366	48.807	ug/l	99
6) Chloroethane	2.733	64	283645	51.340	ug/l	95
7) Trichlorofluoromethane	3.050	101	447854	49.210	ug/l	97
8) Diethyl Ether	3.452	74	109892	48.889	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	209821	50.449	ug/l	98
10) Methyl Iodide	4.007	142	264145	58.333	ug/l	100
11) Tert butyl alcohol	4.891	59	62549	209.190	ug/l #	88
12) 1,1-Dichloroethene	3.787	96	201123	49.317	ug/l	98
13) Acrolein	3.653	56	45546	112.333	ug/l	100
14) Allyl chloride	4.385	41	329895	52.592	ug/l	93
15) Acrylonitrile	5.061	53	236140	251.792	ug/l	99
16) Acetone	3.879	43	244955	288.206	ug/l	96
17) Carbon Disulfide	4.104	76	644897	48.950	ug/l	100
18) Methyl Acetate	4.385	43	123302	43.806	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	543984	48.988	ug/l	100
20) Methylene Chloride	4.616	84	248906	46.373	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	230748	49.507	ug/l	95
22) Diisopropyl ether	6.019	45	737022	52.907	ug/l	96
23) Vinyl Acetate	5.958	43	2032484	264.179	ug/l	99
24) 1,1-Dichloroethane	5.915	63	437401	51.983	ug/l	99
25) 2-Butanone	6.896	43	318896	257.796	ug/l	98
26) 2,2-Dichloropropane	6.884	77	380952	54.010	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	271426	50.116	ug/l	98
28) Bromochloromethane	7.244	49	191848	54.233	ug/l	99
29) Tetrahydrofuran	7.262	42	192259	246.138	ug/l	99
30) Chloroform	7.421	83	437061	50.431	ug/l	93
31) Cyclohexane	7.701	56	388020	50.237	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	382460	51.068	ug/l	99
36) 1,1-Dichloropropene	7.835	75	319955	53.106	ug/l	100
37) Ethyl Acetate	6.988	43	137965	53.067	ug/l	98
38) Carbon Tetrachloride	7.817	117	334137	52.562	ug/l	97
39) Methylcyclohexane	9.110	83	417671	53.570	ug/l	99
40) Benzene	8.079	78	983034	53.069	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	79058	49.395	ug/l		97
42) 1,2-Dichloroethane	8.158	62	266580	52.518	ug/l		97
43) Isopropyl Acetate	8.195	43	278215	51.489	ug/l		99
44) Trichloroethene	8.866	130	242347	52.109	ug/l		95
45) 1,2-Dichloropropane	9.140	63	231313	53.355	ug/l		95
46) Dibromomethane	9.231	93	124676	50.659	ug/l		98
47) Bromodichloromethane	9.420	83	331843	52.290	ug/l		96
48) Methyl methacrylate	9.219	41	132085	50.849	ug/l		94
49) 1,4-Dioxane	9.238	88	26705	918.445	ug/l		96
51) 4-Methyl-2-Pentanone	10.000	43	730249	265.945	ug/l		97
52) Toluene	10.170	92	619081	52.975	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	300582	52.642	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	348697	52.668	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	163959	51.449	ug/l		98
56) Ethyl methacrylate	10.439	69	220750	51.487	ug/l		96
57) 1,3-Dichloropropane	10.719	76	288129	51.822	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	564852	250.621	ug/l		100
59) 2-Hexanone	10.762	43	503372	269.637	ug/l		99
60) Dibromochloromethane	10.908	129	208619	50.681	ug/l		100
61) 1,2-Dibromoethane	11.012	107	150877	50.594	ug/l		96
64) Tetrachloroethene	10.646	164	287771	54.707	ug/l		98
65) Chlorobenzene	11.444	112	651961	53.287	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.512	131	218147	52.642	ug/l		99
67) Ethyl Benzene	11.518	91	1185364	55.142	ug/l		99
68) m/p-Xylenes	11.627	106	904993	108.907	ug/l		97
69) o-Xylene	11.957	106	419143	53.531	ug/l		99
70) Styrene	11.969	104	711124	54.220	ug/l		99
71) Bromoform	12.133	173	115339	49.986	ug/l	#	99
73) Isopropylbenzene	12.255	105	1111224	55.014	ug/l		100
74) N-amyl acetate	12.072	43	247051	54.490	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	162805	50.011	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	136940m	49.112	ug/l		
77) Bromobenzene	12.530	156	237250	51.820	ug/l		99
78) n-propylbenzene	12.597	91	1352930	55.477	ug/l		99
79) 2-Chlorotoluene	12.682	91	749820	54.420	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	900336	55.216	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	58536	53.038	ug/l		98
82) 4-Chlorotoluene	12.774	91	779678	53.872	ug/l		100
83) tert-Butylbenzene	12.999	119	799316	55.584	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	890409	54.542	ug/l		100
85) sec-Butylbenzene	13.176	105	1195350	55.247	ug/l		99
86) p-Isopropyltoluene	13.292	119	993029	55.152	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	491888	53.495	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	471793	51.654	ug/l		99
89) n-Butylbenzene	13.615	91	940757	55.546	ug/l		100
90) Hexachloroethane	13.877	117	193122	53.852	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	412651	50.925	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	25721	46.591	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	218911	47.848	ug/l		99
94) Hexachlorobutadiene	15.023	225	125810	48.629	ug/l		98
95) Naphthalene	15.145	128	386461	46.711	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	183678	46.460	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

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

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

Sample Results: **VY022929.D**

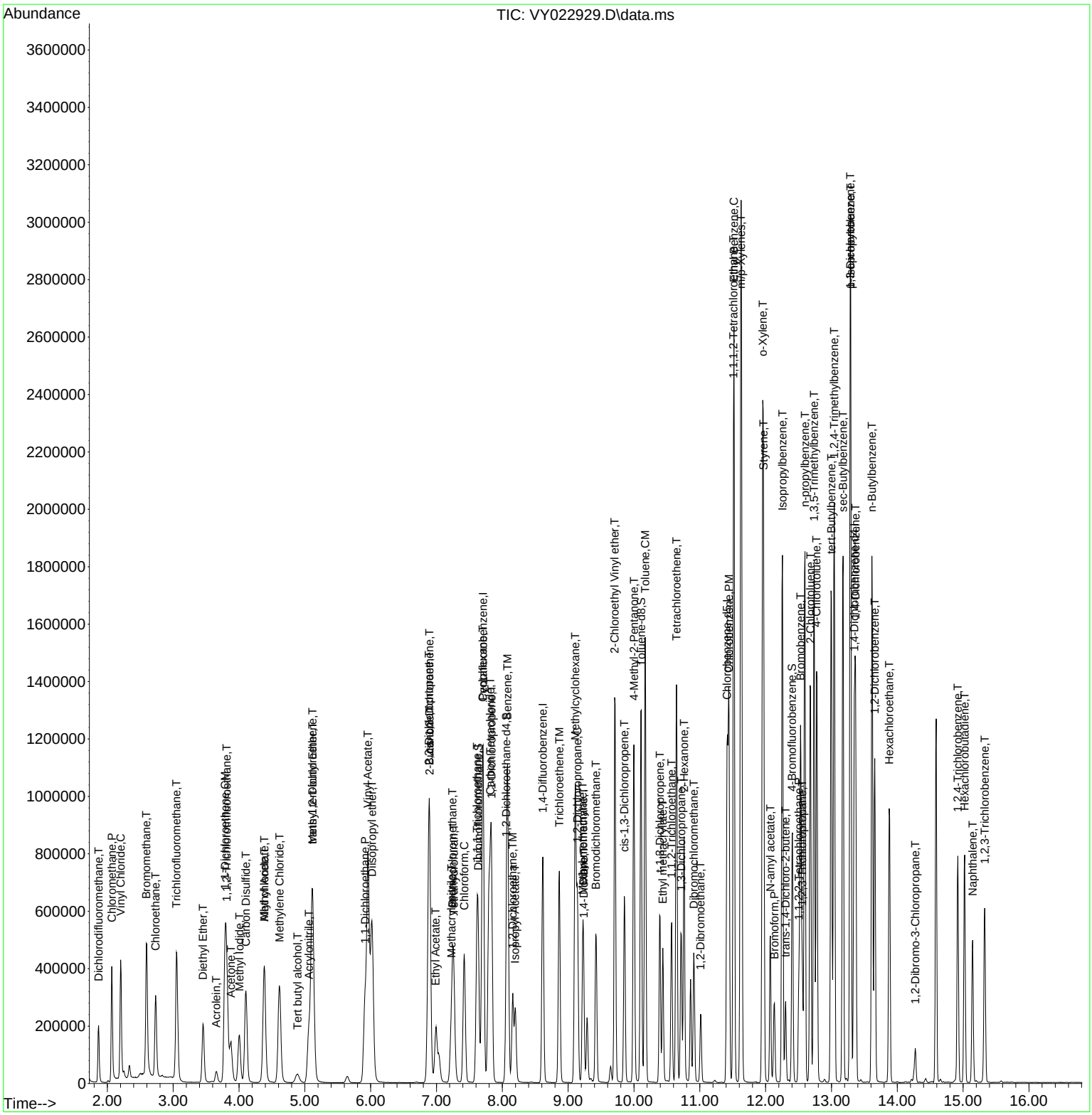
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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



Evaluate Continuing Calibration Report

Sample Results: **VY022929.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
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 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	86	0.00
2	T	Dichlorodifluoromethane	0.428	0.395	7.7	81	0.00
3	P	Chloromethane	0.816	0.853	-4.5	93	0.00
4	C	Vinyl Chloride	1.020	1.001	1.9#	83	0.00
5	T	Bromomethane	0.802	0.783	2.4	88	0.00
6	T	Chloroethane	0.686	0.704	-2.6	88	0.00
7	T	Trichlorofluoromethane	1.129	1.112	1.5	82	0.00
8	T	Diethyl Ether	0.279	0.273	2.2	83	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.516	0.521	-1.0	87	0.00
10	T	Methyl Iodide	0.562	0.656	-16.7	90	0.00
11	T	Tert butyl alcohol	0.037	0.031	16.2	70	0.00
12	CM	1,1-Dichloroethene	0.506	0.499	1.4#	84	-0.01
13	T	Acrolein	0.050	0.023	54.0#	39#	0.00
14	T	Allyl chloride	0.778	0.819	-5.3	89	0.00
15	T	Acrylonitrile	0.116	0.117	-0.9	84	0.00
16	T	Acetone	0.105	0.122	-16.2	110	0.00
17	T	Carbon Disulfide	1.635	1.601	2.1	83	0.00
18	T	Methyl Acetate	0.349	0.306	12.3	75	-0.01
19	T	Methyl tert-butyl Ether	1.378	1.350	2.0	81	-0.01
20	T	Methylene Chloride	0.666	0.618	7.2	90	0.00
21	T	trans-1,2-Dichloroethene	0.578	0.573	0.9	84	0.00
22	T	Diisopropyl ether	1.729	1.829	-5.8	88	0.00
23	T	Vinyl Acetate	0.955	1.009	-5.7	86	-0.01
24	P	1,1-Dichloroethane	1.044	1.086	-4.0	87	0.00
25	T	2-Butanone	0.154	0.158	-2.6	89	0.00
26	T	2,2-Dichloropropane	0.875	0.946	-8.1	92	0.00
27	T	cis-1,2-Dichloroethene	0.672	0.674	-0.3	85	0.00
28	T	Bromochloromethane	0.439	0.476	-8.4	90	0.00
29	T	Tetrahydrofuran	0.097	0.095	2.1	81	0.00
30	C	Chloroform	1.076	1.085	-0.8#	86	0.00
31	T	Cyclohexane	0.959	0.963	-0.4	88	0.00
32	T	1,1,1-Trichloroethane	0.929	0.949	-2.2	86	0.00
33	S	1,2-Dichloroethane-d4	0.558	0.550	1.4	85	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	83	0.00
35	S	Dibromofluoromethane	0.304	0.318	-4.6	87	0.00
36	T	1,1-Dichloropropene	0.461	0.490	-6.3	87	0.00
37	T	Ethyl Acetate	0.199	0.211	-6.0	85	0.00
38	T	Carbon Tetrachloride	0.486	0.511	-5.1	87	0.00
39	T	Methylcyclohexane	0.596	0.639	-7.2	86	0.00
40	TM	Benzene	1.417	1.504	-6.1	85	0.00
41	T	Methacrylonitrile	0.122	0.121	0.8	84	0.00
42	TM	1,2-Dichloroethane	0.388	0.408	-5.2	85	0.00
43	T	Isopropyl Acetate	0.413	0.426	-3.1	81	0.00
44	TM	Trichloroethene	0.356	0.371	-4.2	83	0.00
45	C	1,2-Dichloropropane	0.332	0.354	-6.6#	87	0.00
46	T	Dibromomethane	0.188	0.191	-1.6	83	0.00
47	T	Bromodichloromethane	0.485	0.508	-4.7	85	0.00
48	T	Methyl methacrylate	0.199	0.202	-1.5	79	0.00

Sample Results: **VY022929.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
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 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	74	0.00
50	S	Toluene-d8	1.207	1.258	-4.2	86	0.00
51	T	4-Methyl-2-Pentanone	0.210	0.223	-6.2	82	0.00
52	CM	Toluene	0.894	0.947	-5.9#	85	0.00
53	T	t-1,3-Dichloropropene	0.437	0.460	-5.3	85	0.00
54	T	cis-1,3-Dichloropropene	0.506	0.534	-5.5	85	0.00
55	T	1,1,2-Trichloroethane	0.244	0.251	-2.9	83	0.00
56	T	Ethyl methacrylate	0.328	0.338	-3.0	79	0.00
57	T	1,3-Dichloropropane	0.425	0.441	-3.8	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.145	0.173	-19.3	85	0.00
59	T	2-Hexanone	0.143	0.154	-7.7	85	0.00
60	T	Dibromochloromethane	0.315	0.319	-1.3	81	0.00
61	T	1,2-Dibromoethane	0.228	0.231	-1.3	81	0.00
62	S	4-Bromofluorobenzene	0.388	0.393	-1.3	85	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
64	T	Tetrachloroethene	0.472	0.517	-9.5	82	0.00
65	PM	Chlorobenzene	1.099	1.171	-6.6	85	0.00
66	T	1,1,1,2-Tetrachloroethane	0.372	0.392	-5.4	83	0.00
67	C	Ethyl Benzene	1.930	2.129	-10.3#	86	0.00
68	T	m/p-Xylenes	0.746	0.813	-9.0	85	0.00
69	T	o-Xylene	0.703	0.753	-7.1	84	0.00
70	T	Styrene	1.178	1.277	-8.4	83	0.00
71	P	Bromoform	0.207	0.207	0.0	80	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	79	0.00
73	T	Isopropylbenzene	3.698	4.069	-10.0	85	0.00
74	T	N-amyl acetate	0.830	0.905	-9.0	80	0.00
75	P	1,1,2,2-Tetrachloroethane	0.596	0.596	0.0	83	0.00
76	T	1,2,3-Trichloropropane	0.510	0.501	1.8	78	0.00
77	T	Bromobenzene	0.838	0.869	-3.7	81	0.00
78	T	n-propylbenzene	4.465	4.954	-11.0	86	0.00
79	T	2-Chlorotoluene	2.522	2.745	-8.8	84	0.00
80	T	1,3,5-Trimethylbenzene	2.985	3.297	-10.5	85	0.00
81	T	trans-1,4-Dichloro-2-butene	0.202	0.214	-5.9	85	0.00
82	T	4-Chlorotoluene	2.650	2.855	-7.7	84	0.00
83	T	tert-Butylbenzene	2.633	2.927	-11.2	85	0.00
84	T	1,2,4-Trimethylbenzene	2.989	3.260	-9.1	83	0.00
85	T	sec-Butylbenzene	3.961	4.377	-10.5	85	0.00
86	T	p-Isopropyltoluene	3.296	3.636	-10.3	84	0.00
87	T	1,3-Dichlorobenzene	1.683	1.801	-7.0	84	0.00
88	T	1,4-Dichlorobenzene	1.672	1.727	-3.3	81	0.00
89	T	n-Butylbenzene	3.101	3.445	-11.1	85	0.00
90	T	Hexachloroethane	0.657	0.707	-7.6	83	0.00
91	T	1,2-Dichlorobenzene	1.483	1.511	-1.9	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.101	0.094	6.9	72	0.00
93	T	1,2,4-Trichlorobenzene	0.838	0.802	4.3	75	0.00
94	T	Hexachlorobutadiene	0.474	0.461	2.7	79	0.00
95	T	Naphthalene	1.515	1.415	6.6	70	0.00

Sample Results: **VY022929.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
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 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	0.724	0.673	7.0	73	0.00

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

Sample Results: **VY022929.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
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 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	86	0.00
2	T	Dichlorodifluoromethane	50.000	46.238	7.5	81	0.00
3	P	Chloromethane	50.000	52.232	-4.5	93	0.00
4	C	Vinyl Chloride	50.000	49.090	1.8#	83	0.00
5	T	Bromomethane	50.000	48.807	2.4	88	0.00
6	T	Chloroethane	50.000	51.340	-2.7	88	0.00
7	T	Trichlorofluoromethane	50.000	49.210	1.6	82	0.00
8	T	Diethyl Ether	50.000	48.889	2.2	83	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.449	-0.9	87	0.00
10	T	Methyl Iodide	50.000	58.333	-16.7	90	0.00
11	T	Tert butyl alcohol	250.000	209.190	16.3	70	0.00
12	CM	1,1-Dichloroethene	50.000	49.317	1.4#	84	-0.01
13	T	Acrolein	250.000	112.333	55.1#	39	0.00
14	T	Allyl chloride	50.000	52.592	-5.2	89	0.00
15	T	Acrylonitrile	250.000	251.792	-0.7	84	0.00
16	T	Acetone	250.000	288.206	-15.3	110	0.00
17	T	Carbon Disulfide	50.000	48.950	2.1	83	0.00
18	T	Methyl Acetate	50.000	43.806	12.4	75	-0.01
19	T	Methyl tert-butyl Ether	50.000	48.988	2.0	81	-0.01
20	T	Methylene Chloride	50.000	46.373	7.3	90	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.507	1.0	84	0.00
22	T	Diisopropyl ether	50.000	52.907	-5.8	88	0.00
23	T	Vinyl Acetate	250.000	264.179	-5.7	86	-0.01
24	P	1,1-Dichloroethane	50.000	51.983	-4.0	87	0.00
25	T	2-Butanone	250.000	257.796	-3.1	89	0.00
26	T	2,2-Dichloropropane	50.000	54.010	-8.0	92	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.116	-0.2	85	0.00
28	T	Bromochloromethane	50.000	54.233	-8.5	90	0.00
29	T	Tetrahydrofuran	250.000	246.138	1.5	81	0.00
30	C	Chloroform	50.000	50.431	-0.9#	86	0.00
31	T	Cyclohexane	50.000	50.237	-0.5	88	0.00
32	T	1,1,1-Trichloroethane	50.000	51.068	-2.1	86	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.304	1.4	85	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	83	0.00
35	S	Dibromofluoromethane	50.000	52.303	-4.6	87	0.00
36	T	1,1-Dichloropropene	50.000	53.106	-6.2	87	0.00
37	T	Ethyl Acetate	50.000	53.067	-6.1	85	0.00
38	T	Carbon Tetrachloride	50.000	52.562	-5.1	87	0.00
39	T	Methylcyclohexane	50.000	53.570	-7.1	86	0.00
40	TM	Benzene	50.000	53.069	-6.1	85	0.00
41	T	Methacrylonitrile	50.000	49.395	1.2	84	0.00
42	TM	1,2-Dichloroethane	50.000	52.518	-5.0	85	0.00
43	T	Isopropyl Acetate	50.000	51.489	-3.0	81	0.00
44	TM	Trichloroethene	50.000	52.109	-4.2	83	0.00
45	C	1,2-Dichloropropane	50.000	53.355	-6.7#	87	0.00
46	T	Dibromomethane	50.000	50.659	-1.3	83	0.00
47	T	Bromodichloromethane	50.000	52.290	-4.6	85	0.00
48	T	Methyl methacrylate	50.000	50.849	-1.7	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
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 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	918.445	8.2	74	0.00
50	S	Toluene-d8	50.000	52.141	-4.3	86	0.00
51	T	4-Methyl-2-Pentanone	250.000	265.945	-6.4	82	0.00
52	CM	Toluene	50.000	52.975	-6.0#	85	0.00
53	T	t-1,3-Dichloropropene	50.000	52.642	-5.3	85	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.668	-5.3	85	0.00
55	T	1,1,2-Trichloroethane	50.000	51.449	-2.9	83	0.00
56	T	Ethyl methacrylate	50.000	51.487	-3.0	79	0.00
57	T	1,3-Dichloropropane	50.000	51.822	-3.6	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	250.621	-0.2	85	0.00
59	T	2-Hexanone	250.000	269.637	-7.9	85	0.00
60	T	Dibromochloromethane	50.000	50.681	-1.4	81	0.00
61	T	1,2-Dibromoethane	50.000	50.594	-1.2	81	0.00
62	S	4-Bromofluorobenzene	50.000	50.636	-1.3	85	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	82	0.00
64	T	Tetrachloroethene	50.000	54.707	-9.4	82	0.00
65	PM	Chlorobenzene	50.000	53.287	-6.6	85	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.642	-5.3	83	0.00
67	C	Ethyl Benzene	50.000	55.142	-10.3#	86	0.00
68	T	m/p-Xylenes	100.000	108.907	-8.9	85	0.00
69	T	o-Xylene	50.000	53.531	-7.1	84	0.00
70	T	Styrene	50.000	54.220	-8.4	83	0.00
71	P	Bromoform	50.000	49.986	0.0	80	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	79	0.00
73	T	Isopropylbenzene	50.000	55.014	-10.0	85	0.00
74	T	N-amyl acetate	50.000	54.490	-9.0	80	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.011	-0.0	83	0.00
76	T	1,2,3-Trichloropropane	50.000	49.112	1.8	78	0.00
77	T	Bromobenzene	50.000	51.820	-3.6	81	0.00
78	T	n-propylbenzene	50.000	55.477	-11.0	86	0.00
79	T	2-Chlorotoluene	50.000	54.420	-8.8	84	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.216	-10.4	85	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.038	-6.1	85	0.00
82	T	4-Chlorotoluene	50.000	53.872	-7.7	84	0.00
83	T	tert-Butylbenzene	50.000	55.584	-11.2	85	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.542	-9.1	83	0.00
85	T	sec-Butylbenzene	50.000	55.247	-10.5	85	0.00
86	T	p-Isopropyltoluene	50.000	55.152	-10.3	84	0.00
87	T	1,3-Dichlorobenzene	50.000	53.495	-7.0	84	0.00
88	T	1,4-Dichlorobenzene	50.000	51.654	-3.3	81	0.00
89	T	n-Butylbenzene	50.000	55.546	-11.1	85	0.00
90	T	Hexachloroethane	50.000	53.852	-7.7	83	0.00
91	T	1,2-Dichlorobenzene	50.000	50.925	-1.8	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.591	6.8	72	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.848	4.3	75	0.00
94	T	Hexachlorobutadiene	50.000	48.629	2.7	79	0.00
95	T	Naphthalene	50.000	46.711	6.6	70	0.00

Sample Results: **VY022929.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
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 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	46.460	7.1	73	0.00

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

QC SAMPLE DATA

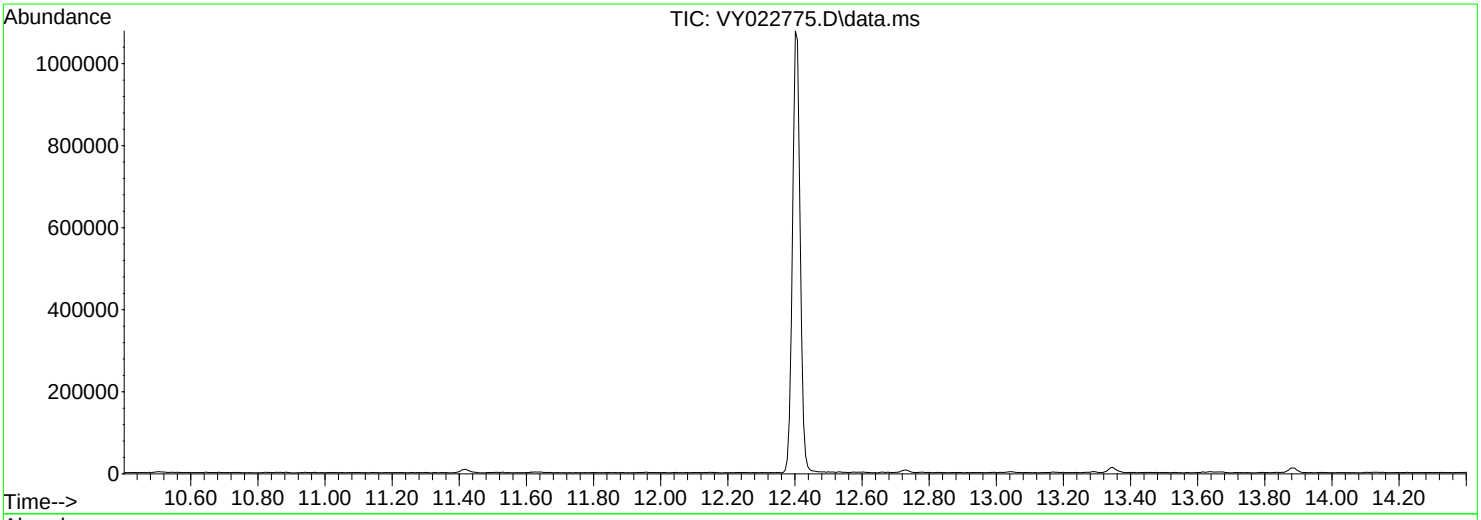
Sample Results: **VY022775.D**

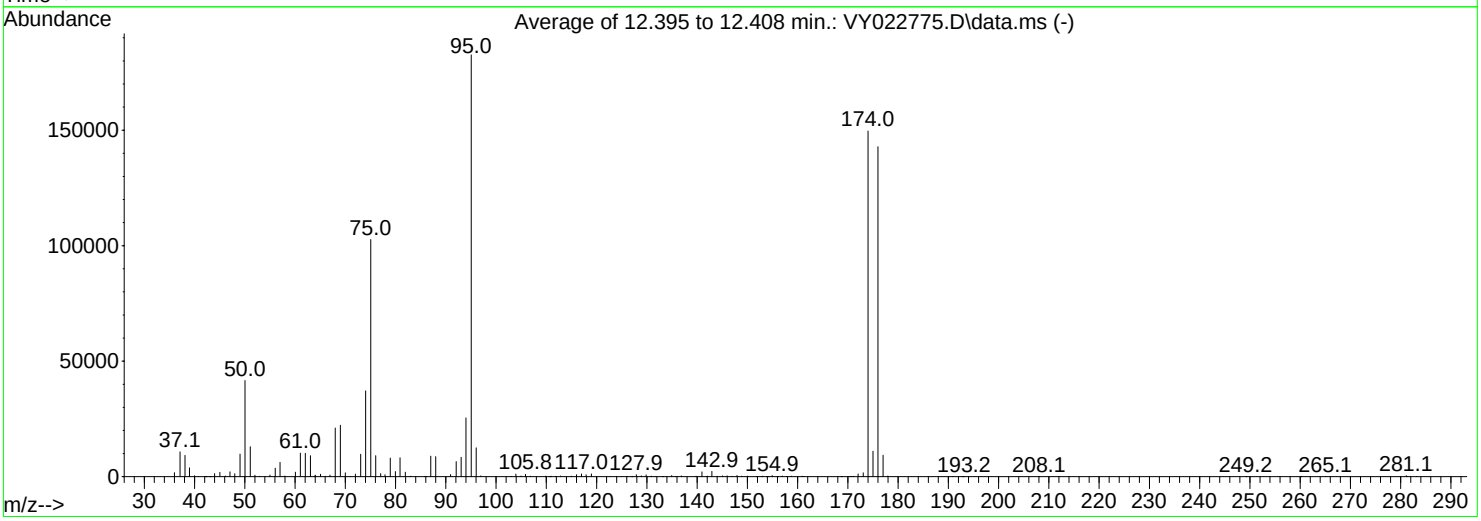
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022775.D
Acq On : 23 Jun 2025 10:17
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 2025





AutoFind: Scans 1751, 1752, 1753; 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	22.8	41667	PASS
75	95	30	60	56.2	102659	PASS
95	95	100	100	100.0	182635	PASS
96	95	5	9	6.8	12459	PASS
173	174	0.00	2	1.1	1700	PASS
174	95	50	100	81.9	149608	PASS
175	174	5	9	7.4	11034	PASS
176	174	95	101	95.5	142859	PASS
177	176	5	9	6.5	9270	PASS

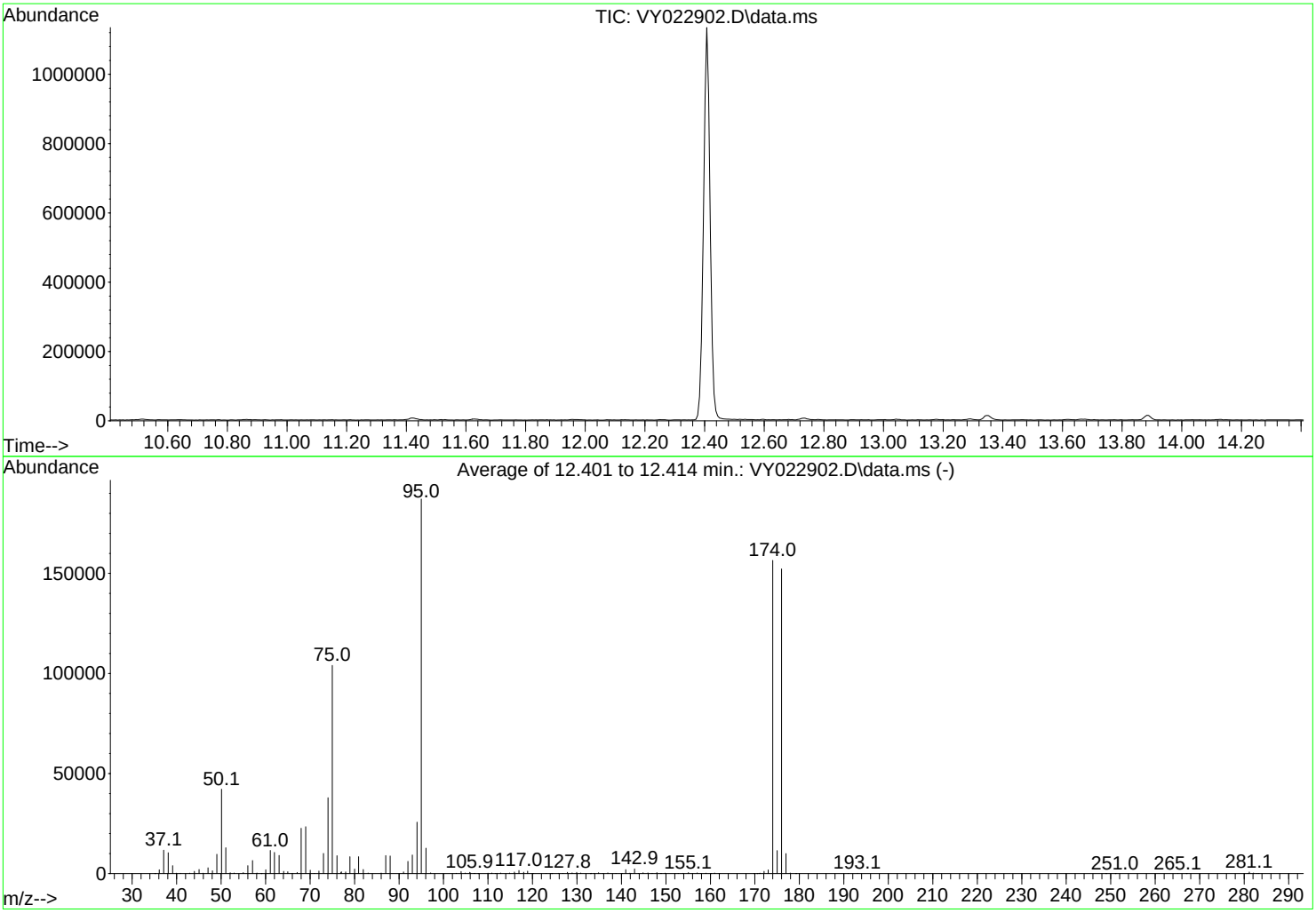
Sample Results: **VY022902.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022902.D
Acq On : 02 Jul 2025 08:51
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\82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 2025



AutoFind: Scans 1752, 1753, 1754; 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	22.5	42181	PASS
75	95	30	60	55.6	103995	PASS
95	95	100	100	100.0	187179	PASS
96	95	5	9	6.8	12720	PASS
173	174	0.00	2	1.2	1816	PASS
174	95	50	100	83.6	156480	PASS
175	174	5	9	7.3	11484	PASS
176	174	95	101	97.3	152213	PASS
177	176	5	9	6.6	10021	PASS

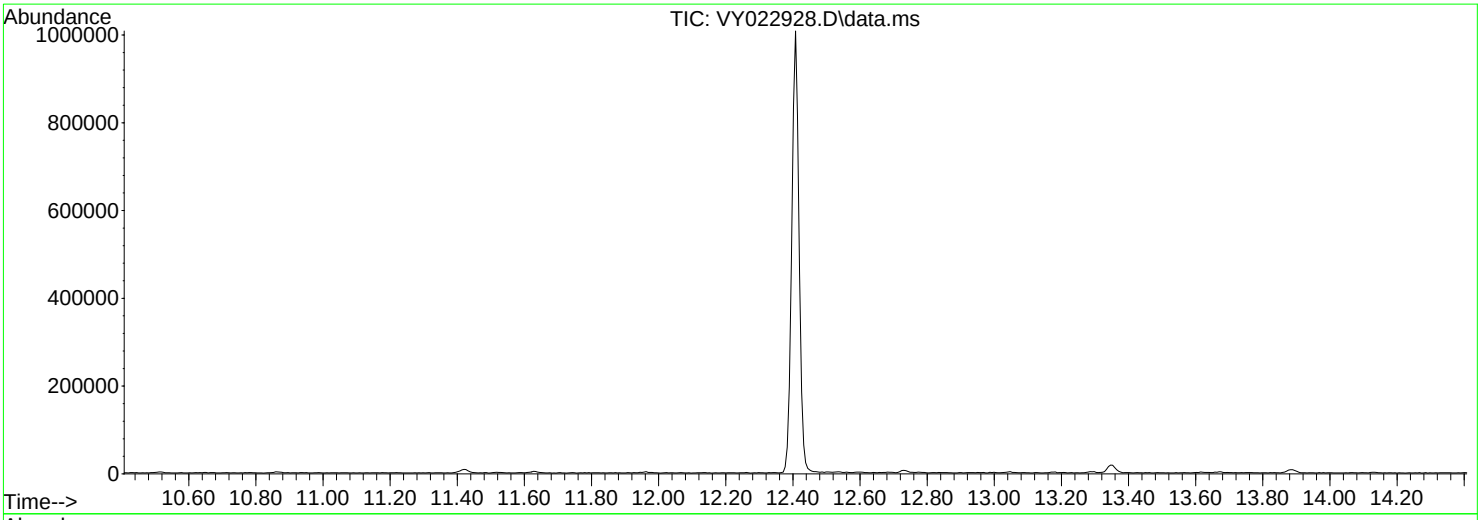
Sample Results: **VY022928.D**

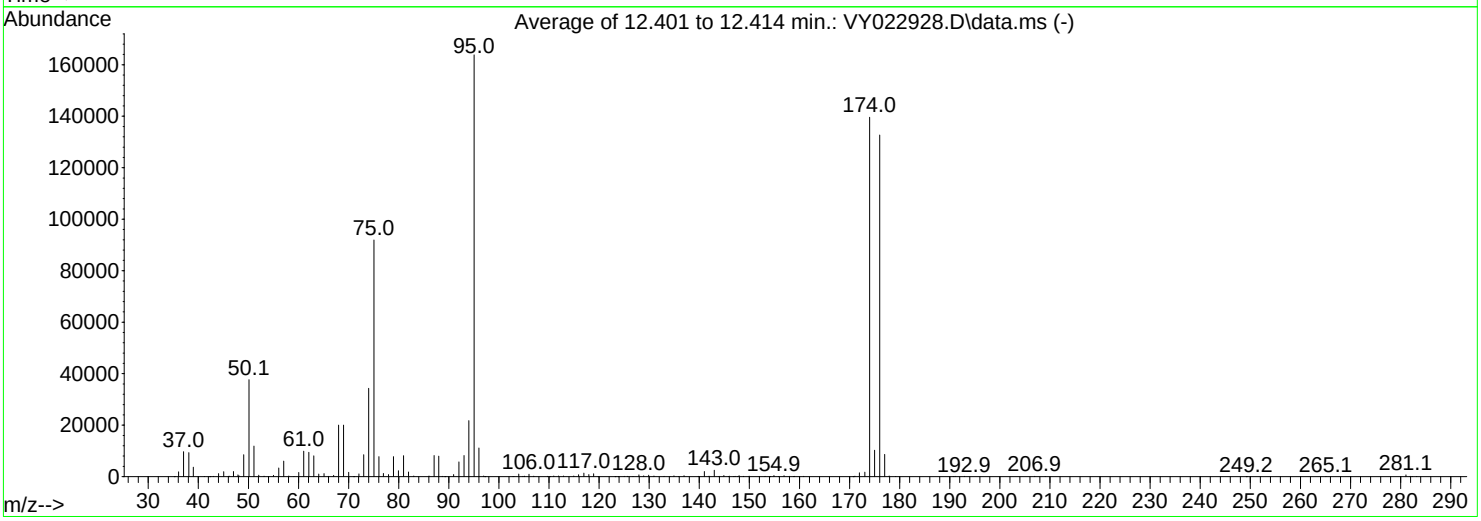
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022928.D
Acq On : 03 Jul 2025 08:03
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 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	23.0	37680	PASS
75	95	30	60	56.1	91939	PASS
95	95	100	100	100.0	163840	PASS
96	95	5	9	6.8	11141	PASS
173	174	0.00	2	1.3	1759	PASS
174	95	50	100	85.2	139597	PASS
175	174	5	9	7.3	10242	PASS
176	174	95	101	95.1	132707	PASS
177	176	5	9	6.5	8654	PASS

Raw Data: **VY022904.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBL01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022904.D	1	07/02/25 11:42	VY070225

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: **VY022904.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBL01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022904.D	1	07/02/25 11:42	VY070225

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	49.3		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	51.3		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		17 - 146	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	327000	7.713			
540-36-3	1,4-Difluorobenzene	608000	8.616			
3114-55-4	Chlorobenzene-d5	600000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	251000	13.346			

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

Report of Analysis

Client:	JPCL Engineering		Date Collected:		
Project:	NOHO RFI No. SC64025 NYC		Date Received:		
Client Sample ID:	VY0702SBL01		SDG No.:	Q2473	
Lab Sample ID:	VY0702SBL01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5 Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCL	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022904.D	1	07/02/25 11:42	VY070225

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\VY070225\
Data File : VY022904.D
Acq On : 02 Jul 2025 11:42
Operator : SY/MD
Sample : VY0702SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

Quant Time: Jul 03 02:18:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	327303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	608180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	599654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	251367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	179996	49.273	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.540%			
35) Dibromofluoromethane	7.640	113	188102	50.857	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.720%			
50) Toluene-d8	10.109	98	752943	51.302	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.600%			
62) 4-Bromofluorobenzene	12.408	95	260821	55.281	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.560%			

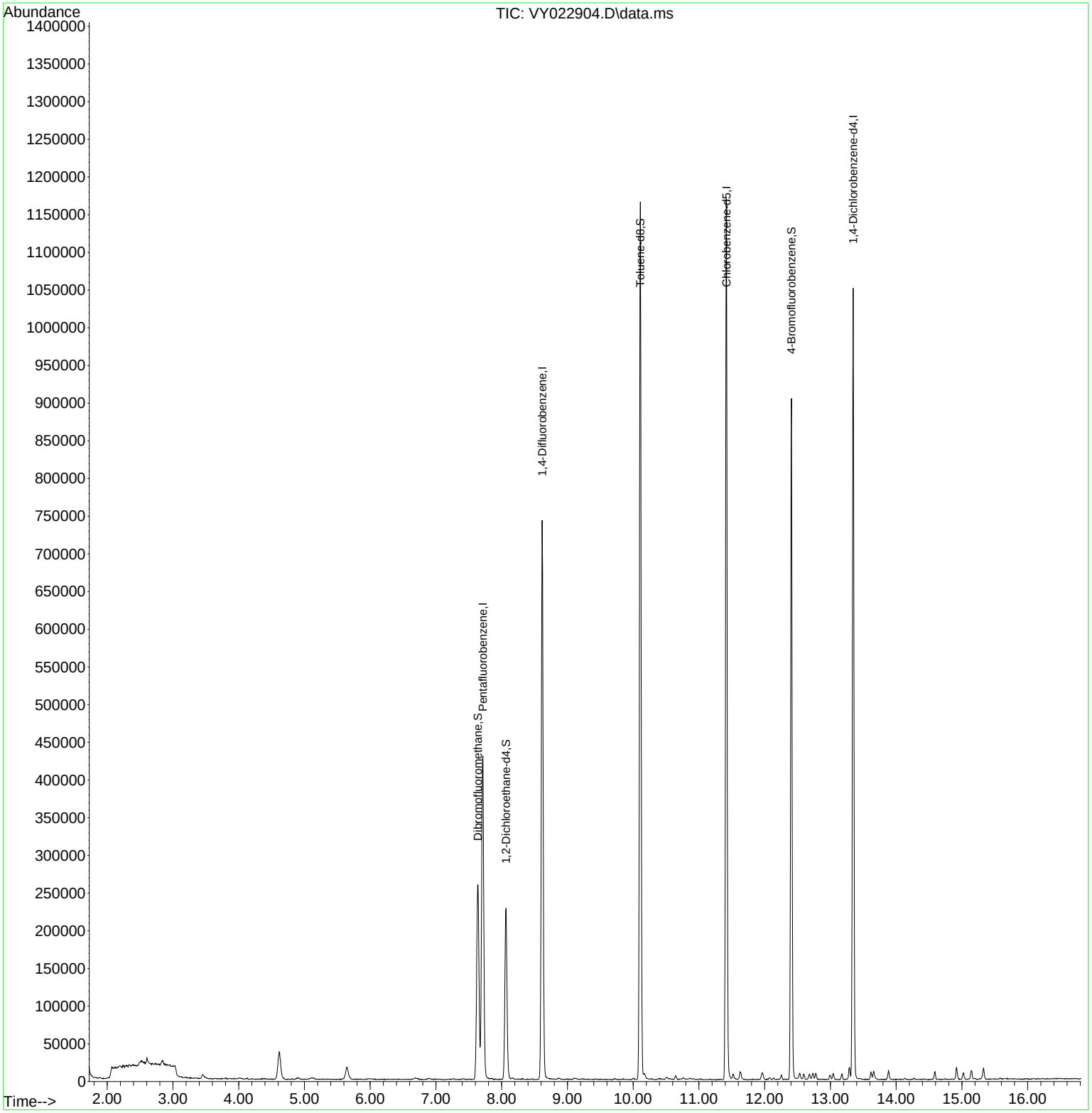
Target Compounds Qvalue

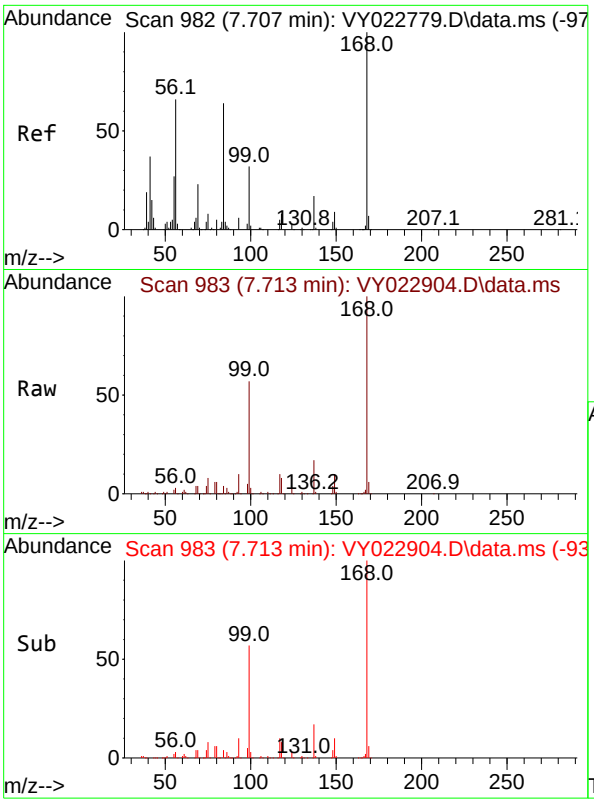
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022904.D
Acq On : 02 Jul 2025 11:42
Operator : SY/MD
Sample : VY0702SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

Quant Time: Jul 03 02:18:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



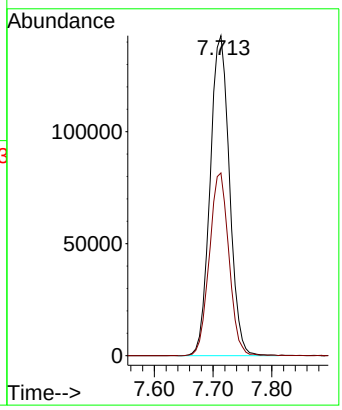


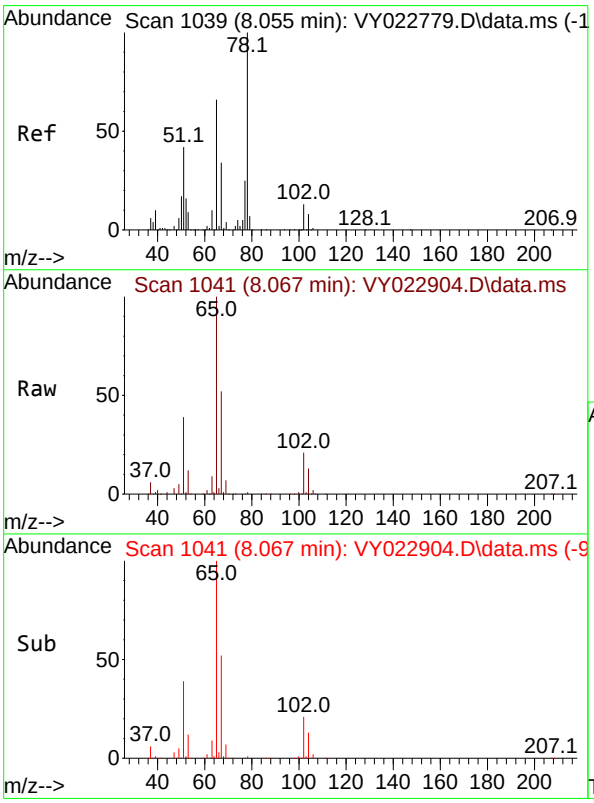
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

Tgt Ion:168 Resp: 327303

Ion	Ratio	Lower	Upper
168	100		
99	57.1	44.3	66.5

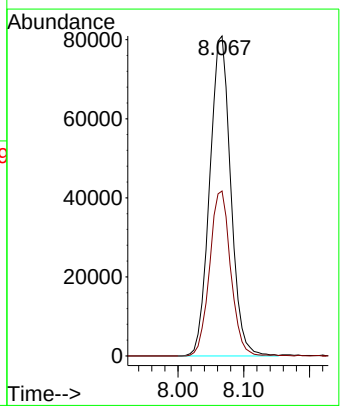


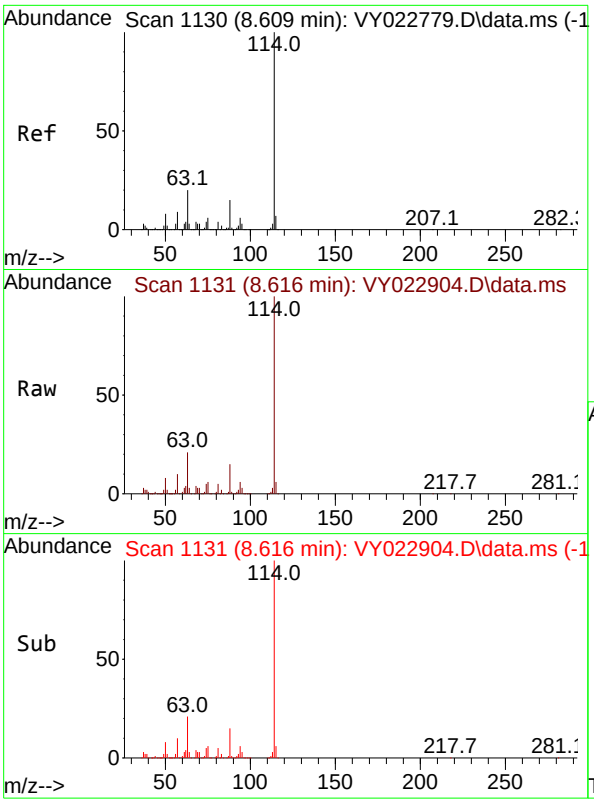


#33
1,2-Dichloroethane-d4
Concen: 49.273 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Tgt Ion: 65 Resp: 179996

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.4



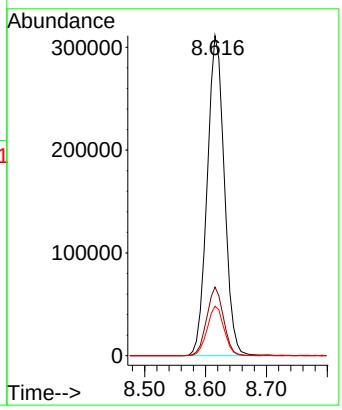


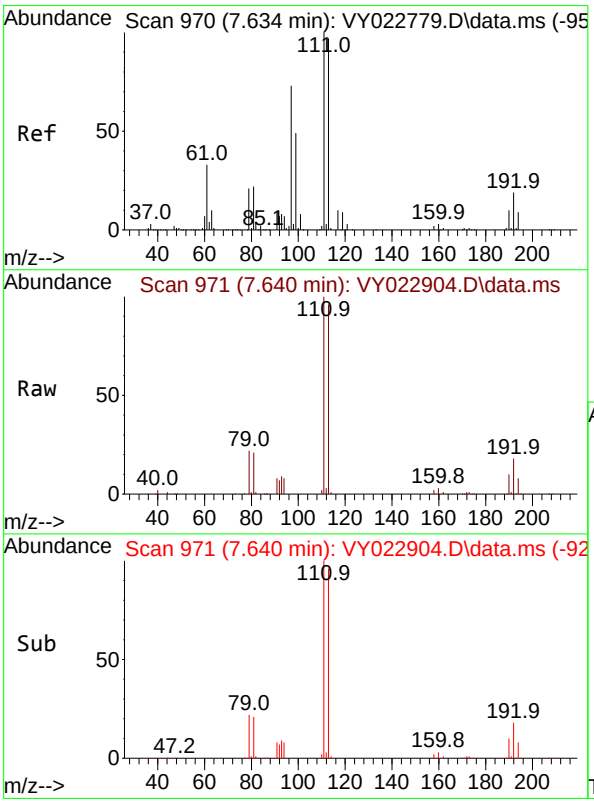
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

Tgt Ion:114 Resp: 608180

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	40.8
88	15.4	0.0	27.8

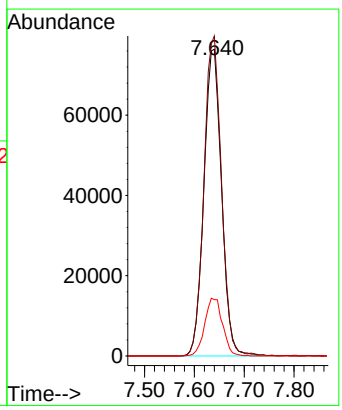


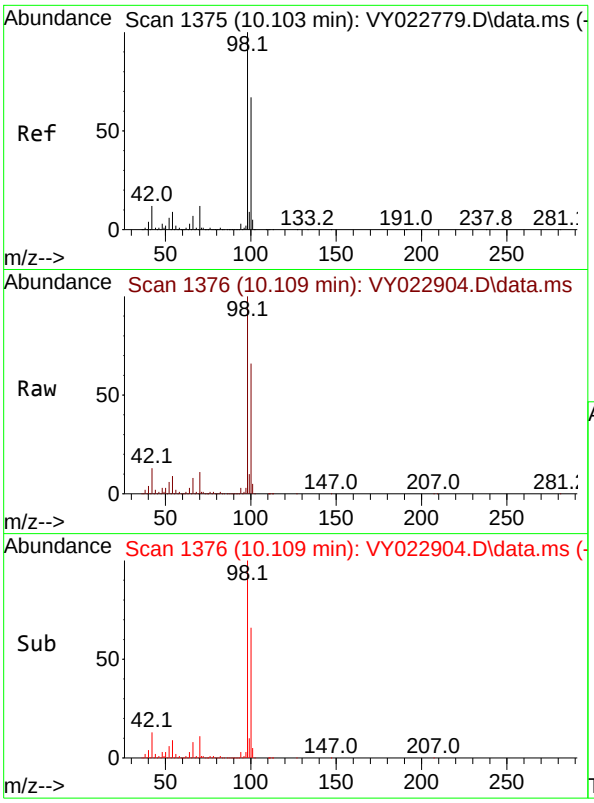


#35
Dibromofluoromethane
Concen: 50.857 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Tgt Ion:113 Resp: 188102

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.1	121.7
192	19.0	14.2	21.2



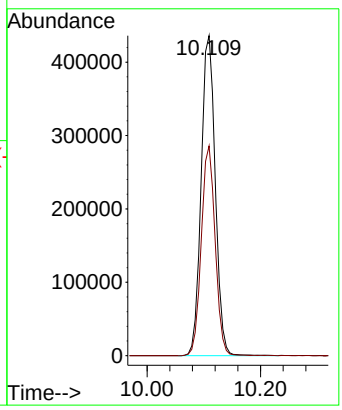


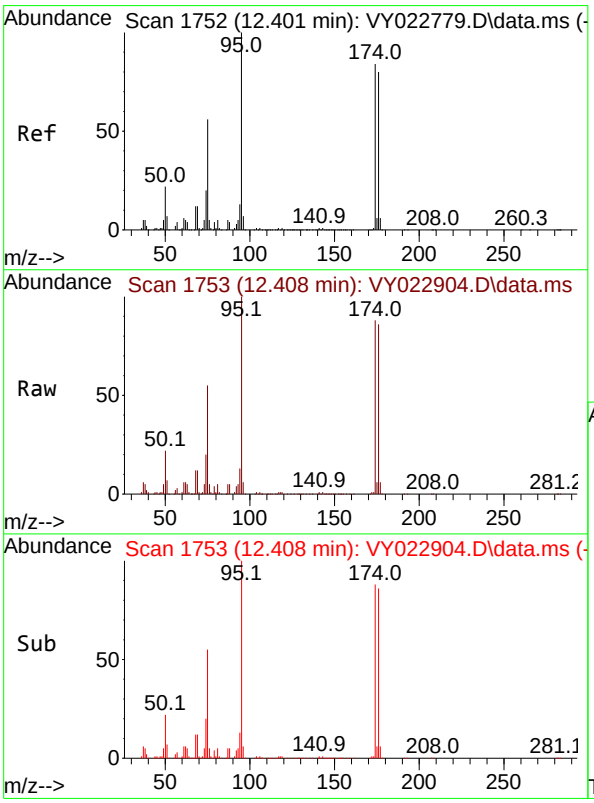
#50
Toluene-d8
Concen: 51.302 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

Tgt Ion: 98 Resp: 752943

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.4	77.0

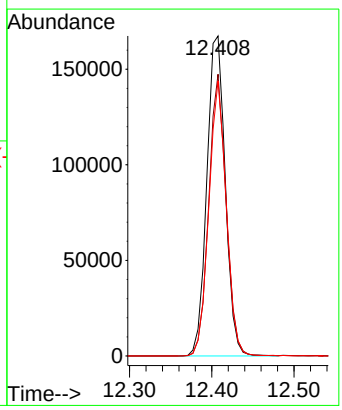


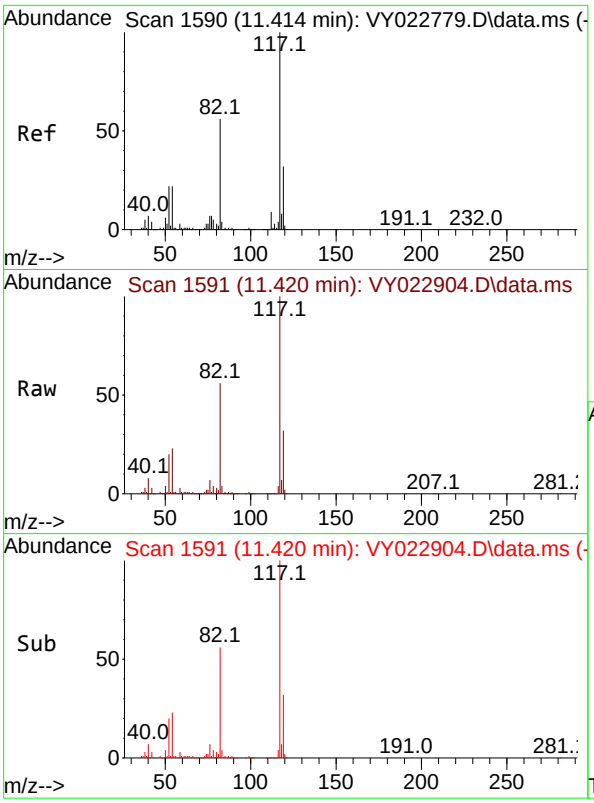


#62
4-Bromofluorobenzene
Concen: 55.281 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Tgt Ion: 95 Resp: 260821

Ion	Ratio	Lower	Upper
95	100		
174	82.8	0.0	170.0
176	81.5	0.0	166.2



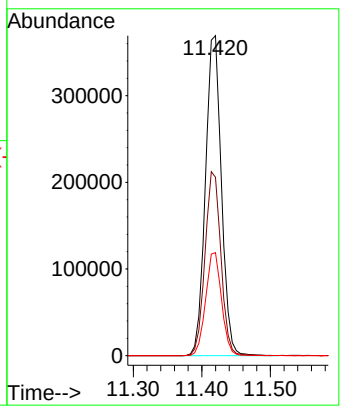


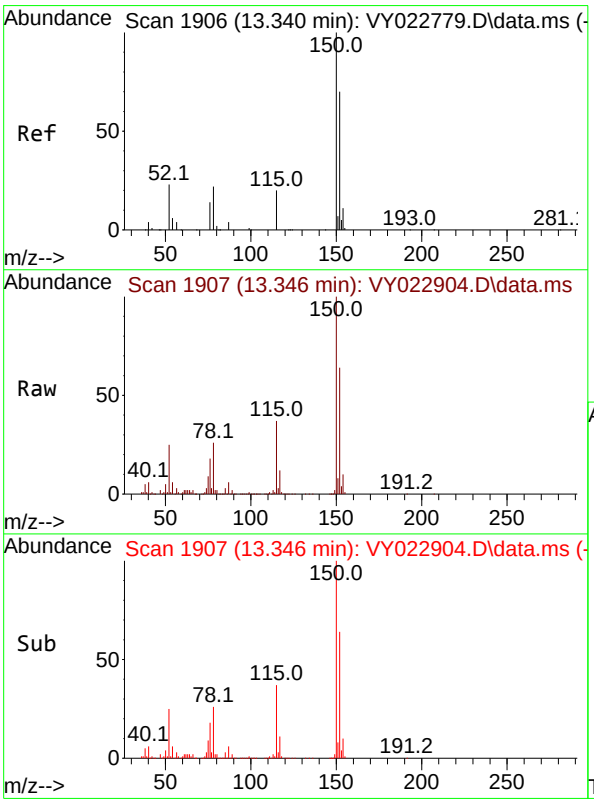
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

Tgt Ion:117 Resp: 599654

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	32.2	25.4	38.0

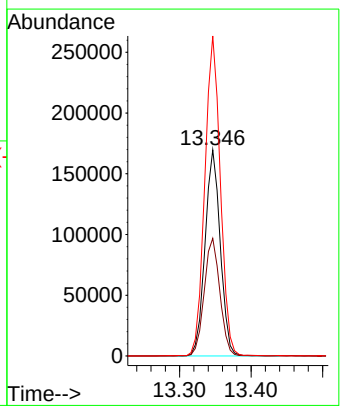




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Tgt Ion:152 Resp: 251367

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.9	86.7
150	157.7	0.0	349.6



Raw Data: **VY022930.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0703SBL01	SDG No.:	Q2473
Lab Sample ID:	VY0703SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022930.D	1	07/03/25 09:57	VY070325

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: **VY022930.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0703SBL01	SDG No.:	Q2473
Lab Sample ID:	VY0703SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022930.D	1	07/03/25 09:57	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	52.1		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		17 - 146	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	297000	7.707			
540-36-3	1,4-Difluorobenzene	558000	8.615			
3114-55-4	Chlorobenzene-d5	554000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	231000	13.346			

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Fax : 908 789 8922

Report of Analysis

Client:	JPCL Engineering		Date Collected:		
Project:	NOHO RFI No. SC64025 NYC		Date Received:		
Client Sample ID:	VY0703SBL01		SDG No.:	Q2473	
Lab Sample ID:	VY0703SBL01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5 Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCL	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022930.D	1	07/03/25 09:57	VY070325

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\VY070325\
Data File : VY022930.D
Acq On : 03 Jul 2025 09:57
Operator : SY/MD
Sample : VY0703SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

Quant Time: Jul 04 03:15:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

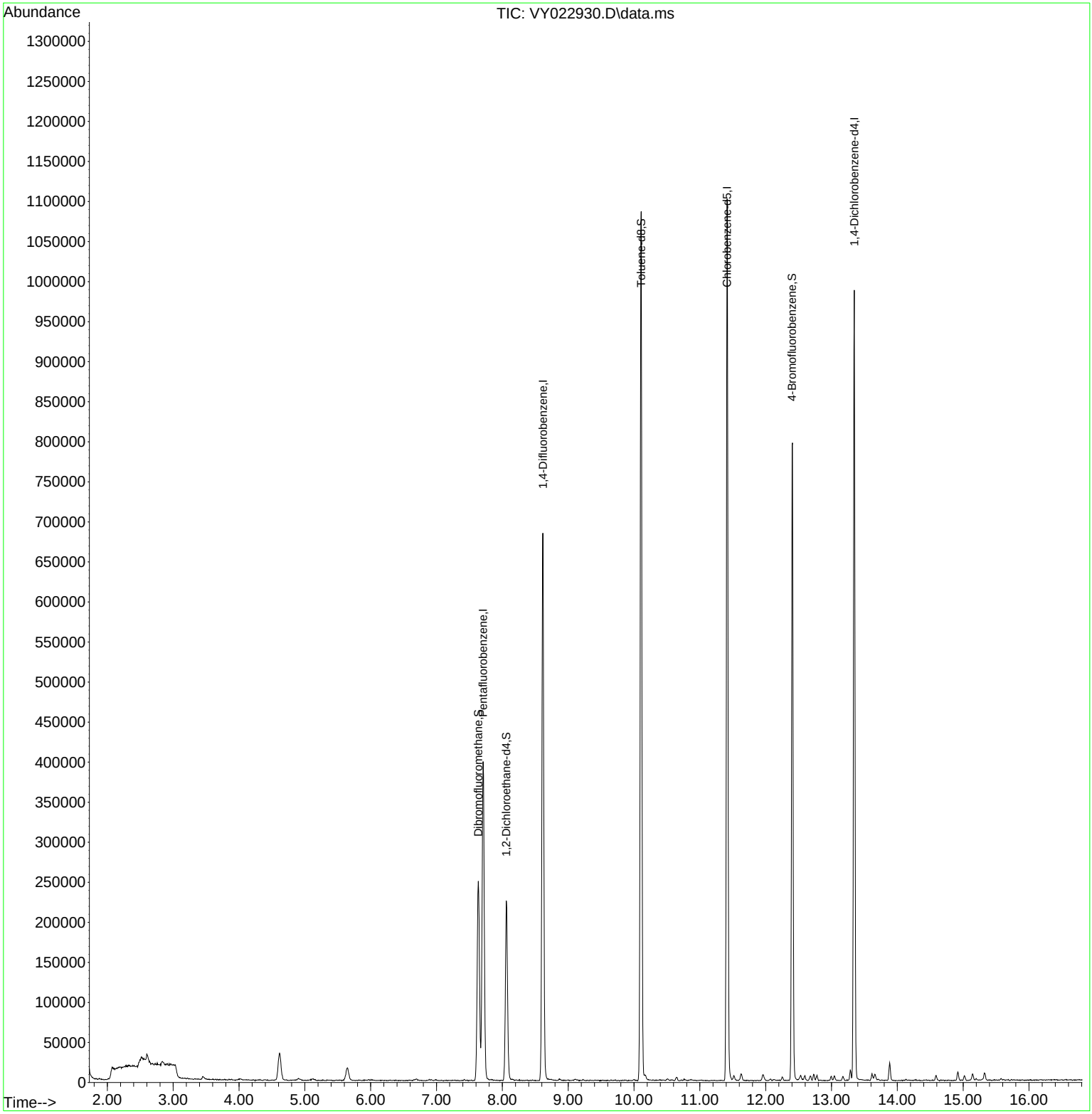
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	297416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	558302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	230762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174829	52.668	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.340%			
35) Dibromofluoromethane	7.634	113	179026	52.727	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.460%			
50) Toluene-d8	10.109	98	701592	52.073	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.140%			
62) 4-Bromofluorobenzene	12.401	95	239365	55.266	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.540%			
Target Compounds						Qvalue

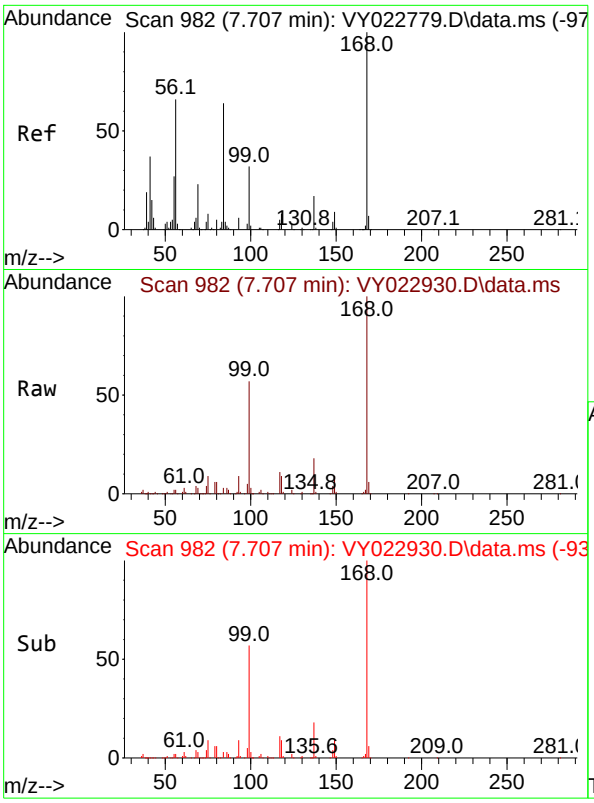
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022930.D
Acq On : 03 Jul 2025 09:57
Operator : SY/MD
Sample : VY0703SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

Quant Time: Jul 04 03:15:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



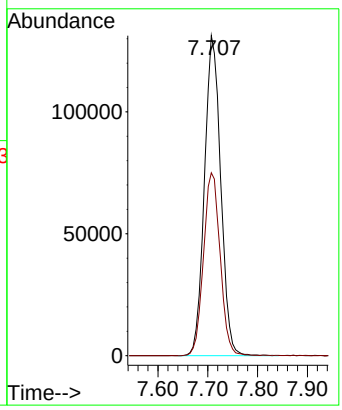


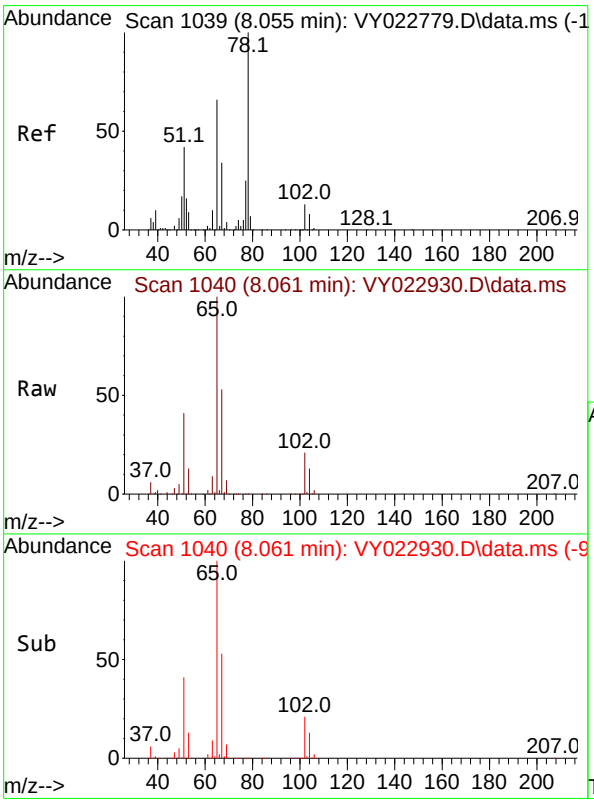
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

Tgt Ion:168 Resp: 297416

Ion	Ratio	Lower	Upper
168	100		
99	57.1	44.3	66.5

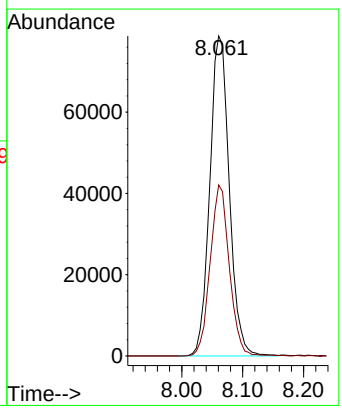


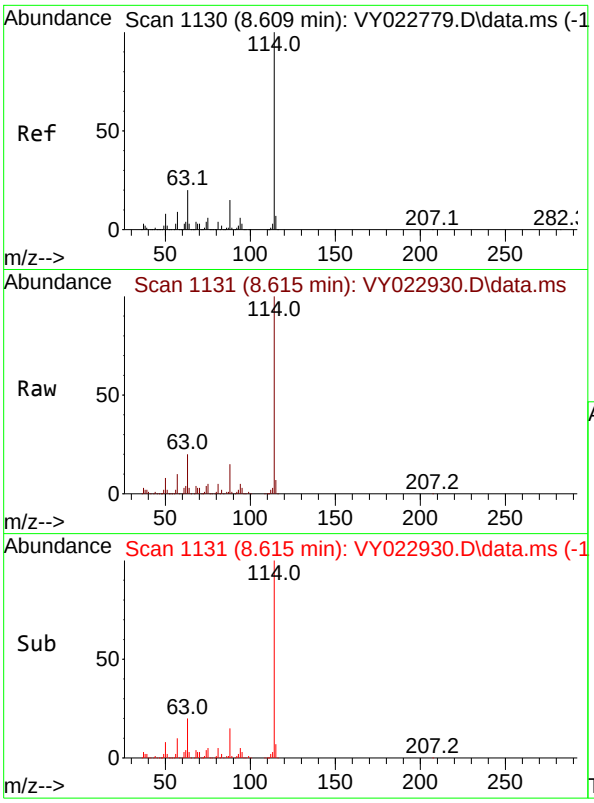


#33
1,2-Dichloroethane-d4
Concen: 52.668 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Tgt Ion: 65 Resp: 174829

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.4



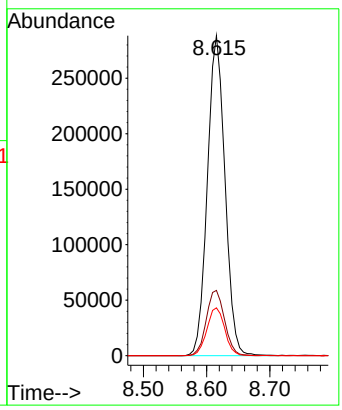


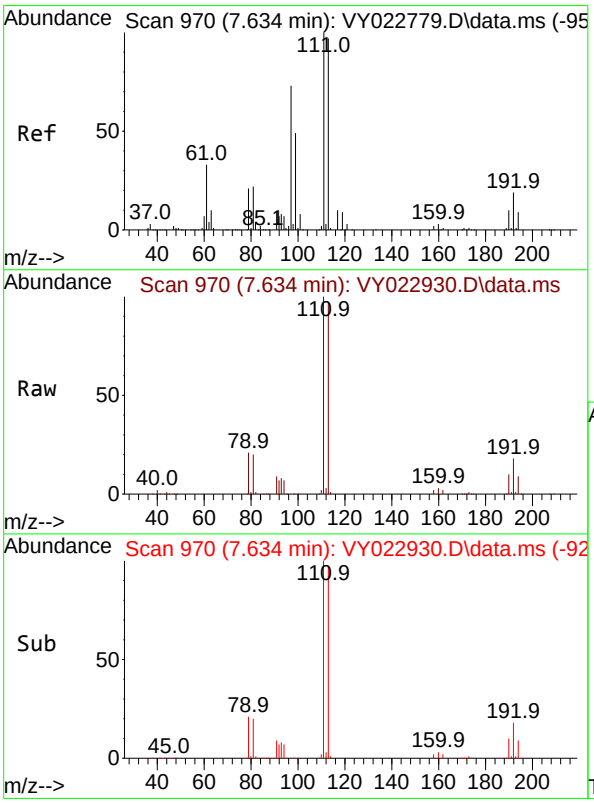
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

Tgt Ion:114 Resp: 558302

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.0	0.0	27.8

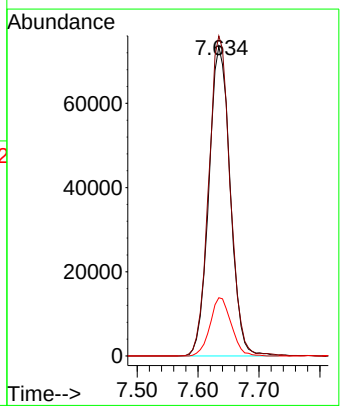


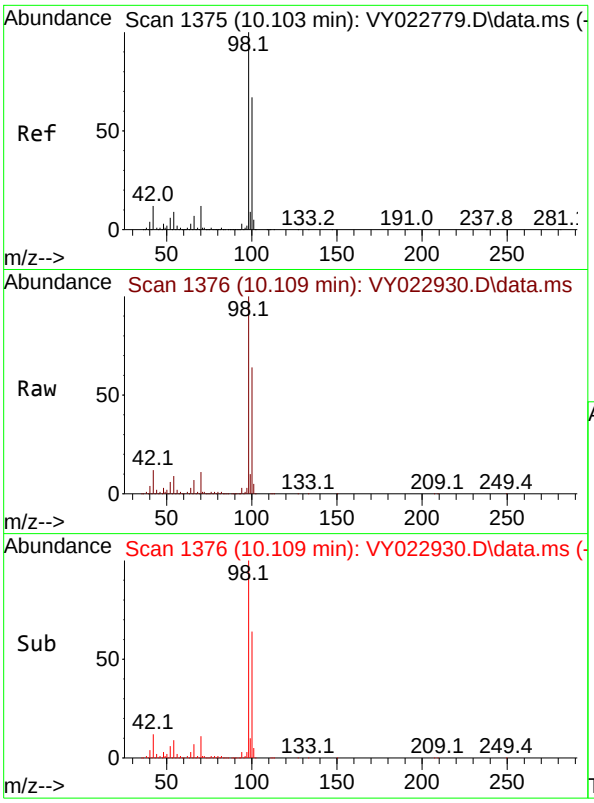


#35
Dibromofluoromethane
Concen: 52.727 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Tgt Ion:113 Resp: 179026

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.1	121.7
192	18.7	14.2	21.2



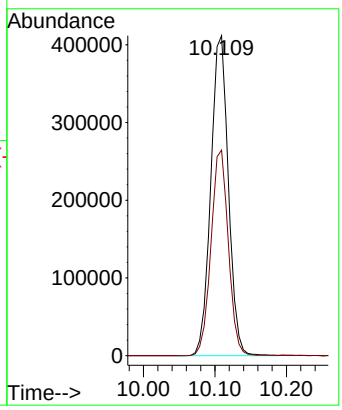


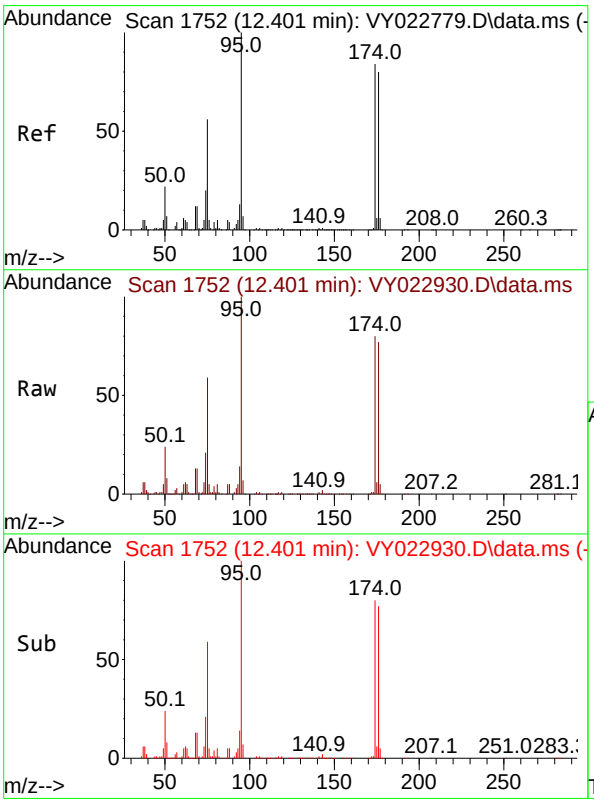
#50
Toluene-d8
Concen: 52.073 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

Tgt Ion: 98 Resp: 701592

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.4	77.0

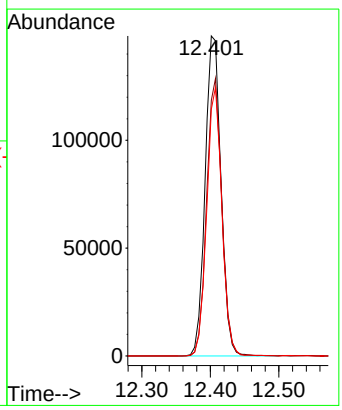


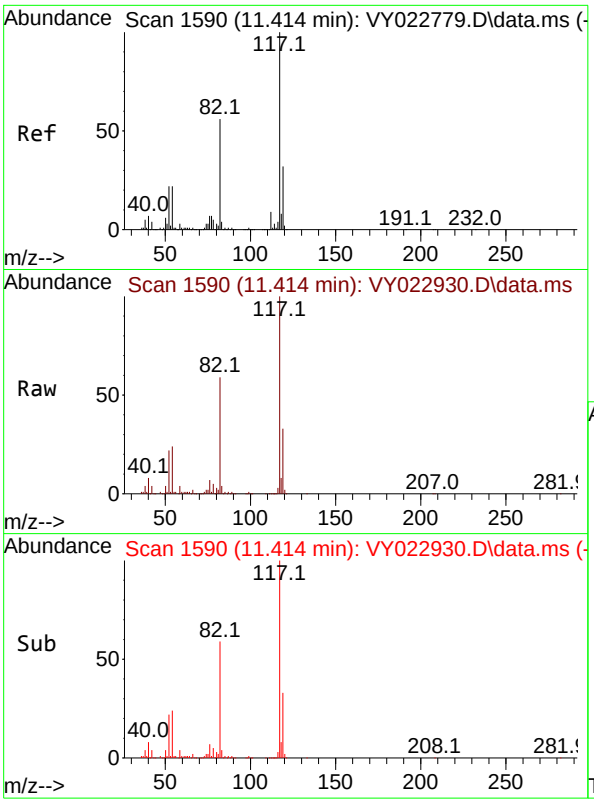


#62
4-Bromofluorobenzene
Concen: 55.266 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Tgt Ion: 95 Resp: 239365

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	170.0
176	80.1	0.0	166.2



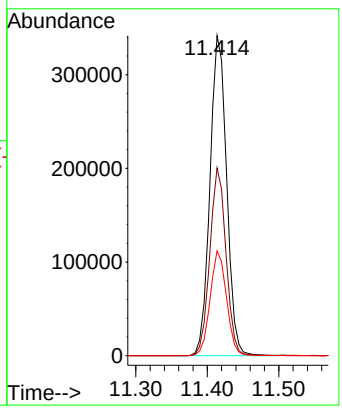


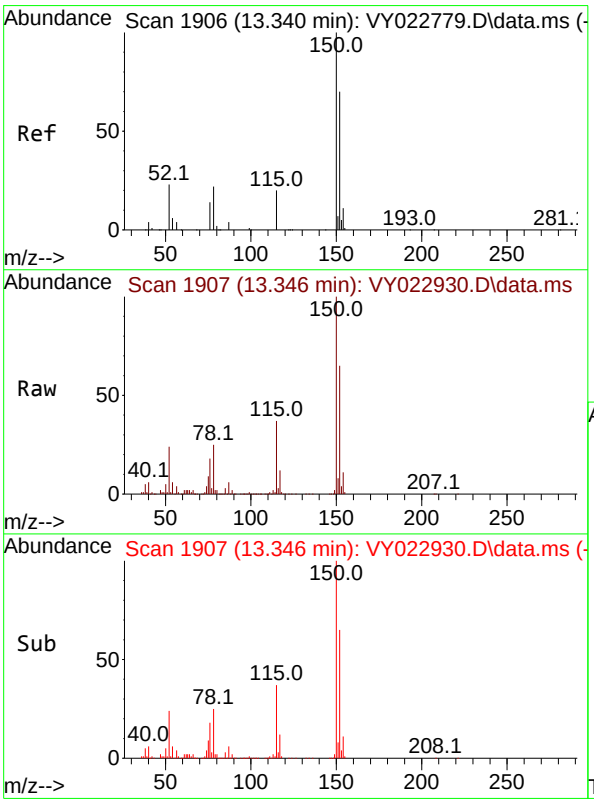
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

Tgt Ion:117 Resp: 553906

Ion	Ratio	Lower	Upper
117	100		
82	58.7	44.6	66.8
119	32.7	25.4	38.0

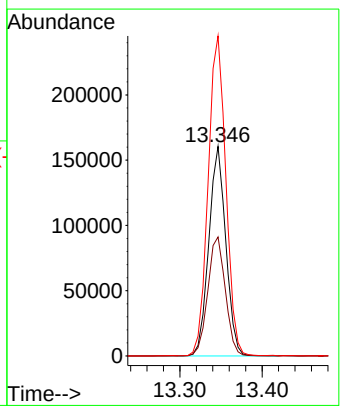




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Tgt Ion:152 Resp: 230762

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.7
150	158.8	0.0	349.6



Raw Data: **VY022905.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBS01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022905.D	1	07/02/25 12:12	VY070225

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	22.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.7		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.0		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	97.2		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.5		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.6		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	89.3		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

Raw Data: **VY022905.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBS01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022905.D	1	07/02/25 12:12	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	90.1		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	18.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.3		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.4		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	51.9		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		17 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	425000	7.707			
540-36-3	1,4-Difluorobenzene	714000	8.616			
3114-55-4	Chlorobenzene-d5	598000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	275000	13.346			

Raw Data: **VY022905.D**

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

Report of Analysis

Client:	JPCL Engineering		Date Collected:		
Project:	NOHO RFI No. SC64025 NYC		Date Received:		
Client Sample ID:	VY0702SBS01		SDG No.:	Q2473	
Lab Sample ID:	VY0702SBS01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5 Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCL	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022905.D	1	07/02/25 12:12	VY070225

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\VY070225\
Data File : VY022905.D
Acq On : 02 Jul 2025 12:12
Operator : SY/MD
Sample : VY0702SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 03 02:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	424569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	714057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	598160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	274634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	235952	49.793	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.580%			
35) Dibromofluoromethane	7.634	113	225723	51.979	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.960%			
50) Toluene-d8	10.109	98	894461	51.907	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.820%			
62) 4-Bromofluorobenzene	12.401	95	270945	48.912	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	73759	20.316	ug/l	96
3) Chloromethane	2.068	50	157084	22.659	ug/l	99
4) Vinyl Chloride	2.202	62	174099	20.101	ug/l	99
5) Bromomethane	2.592	94	148843	21.860	ug/l	99
6) Chloroethane	2.732	64	123901	21.282	ug/l	97
7) Trichlorofluoromethane	3.050	101	185784	19.372	ug/l	95
8) Diethyl Ether	3.452	74	49188	20.766	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	91614	20.904	ug/l	98
10) Methyl Iodide	4.001	142	88307	18.506	ug/l	100
11) Tert butyl alcohol	4.897	59	25331	80.394	ug/l	96
12) 1,1-Dichloroethene	3.787	96	88873	20.680	ug/l	95
13) Acrolein	3.653	56	30982	72.514	ug/l	98
14) Allyl chloride	4.385	41	140059	21.189	ug/l	94
15) Acrylonitrile	5.061	53	91750	92.839	ug/l	99
16) Acetone	3.879	43	96673	107.938	ug/l	96
17) Carbon Disulfide	4.104	76	285725	20.581	ug/l	99
18) Methyl Acetate	4.385	43	50397	16.991	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	222175	18.987	ug/l	97
20) Methylene Chloride	4.610	84	124394	21.993	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	100601	20.483	ug/l	99
22) Diisopropyl ether	6.025	45	308336	21.004	ug/l	96
23) Vinyl Acetate	5.964	43	812436	100.210	ug/l	99
24) 1,1-Dichloroethane	5.915	63	186164	20.996	ug/l	99
25) 2-Butanone	6.896	43	126649	97.159	ug/l	98
26) 2,2-Dichloropropane	6.884	77	158500	21.325	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	115091	20.166	ug/l	97
28) Bromochloromethane	7.244	49	75134	20.155	ug/l	97
29) Tetrahydrofuran	7.268	42	73905	89.788	ug/l	99
30) Chloroform	7.421	83	188954	20.690	ug/l	94
31) Cyclohexane	7.701	56	172610	21.207	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	164400	20.831	ug/l	99
36) 1,1-Dichloropropene	7.835	75	136737	20.774	ug/l	99
37) Ethyl Acetate	6.988	43	55440	19.519	ug/l	97
38) Carbon Tetrachloride	7.817	117	142274	20.485	ug/l	99
39) Methylcyclohexane	9.109	83	175349	20.586	ug/l	97
40) Benzene	8.079	78	417754	20.643	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022905.D
Acq On : 02 Jul 2025 12:12
Operator : SY/MD
Sample : VY0702SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 03 02:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	33907	19.391	ug/l	#	87
42) 1,2-Dichloroethane	8.158	62	110820	19.983	ug/l		99
43) Isopropyl Acetate	8.201	43	106535	18.047	ug/l		100
44) Trichloroethene	8.866	130	100970	19.872	ug/l		97
45) 1,2-Dichloropropane	9.140	63	98745	20.848	ug/l		93
46) Dibromomethane	9.231	93	50099	18.633	ug/l		95
47) Bromodichloromethane	9.426	83	137237	19.794	ug/l		97
48) Methyl methacrylate	9.219	41	52213	18.398	ug/l		93
49) 1,4-Dioxane	9.237	88	10841	341.272	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	267882	89.297	ug/l		97
52) Toluene	10.170	92	256209	20.067	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	120668	19.343	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	146357	20.234	ug/l		95
55) 1,1,2-Trichloroethane	10.566	97	66898	19.215	ug/l		94
56) Ethyl methacrylate	10.438	69	83593	17.846	ug/l		94
57) 1,3-Dichloropropane	10.713	76	115303	18.982	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	207244	94.563	ug/l		99
59) 2-Hexanone	10.762	43	183863	90.148	ug/l		99
60) Dibromochloromethane	10.908	129	84438	18.776	ug/l		99
61) 1,2-Dibromoethane	11.011	107	59702	18.325	ug/l		98
64) Tetrachloroethene	10.646	164	111566	19.743	ug/l		98
65) Chlorobenzene	11.438	112	267982	20.389	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	88130	19.797	ug/l		98
67) Ethyl Benzene	11.518	91	475405	20.586	ug/l		100
68) m/p-Xylenes	11.627	106	362056	40.558	ug/l		99
69) o-Xylene	11.950	106	168231	20.000	ug/l		98
70) Styrene	11.969	104	277444	19.692	ug/l		100
71) Bromoform	12.133	173	45687	18.431	ug/l	#	97
73) Isopropylbenzene	12.255	105	442479	21.785	ug/l		100
74) N-amyl acetate	12.066	43	89392	19.608	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	68209	20.837	ug/l		96
76) 1,2,3-Trichloropropane	12.554	75	49251m	17.566	ug/l		
77) Bromobenzene	12.530	156	95387	20.719	ug/l		99
78) n-propylbenzene	12.597	91	535170	21.824	ug/l		98
79) 2-Chlorotoluene	12.676	91	301072	21.730	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	352500	21.499	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	21683	19.538	ug/l		98
82) 4-Chlorotoluene	12.773	91	306721	21.076	ug/l		100
83) tert-Butylbenzene	12.993	119	319348	22.085	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	348148	21.208	ug/l		99
85) sec-Butylbenzene	13.176	105	476969	21.923	ug/l		99
86) p-Isopropyltoluene	13.292	119	388241	21.443	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	188954	20.436	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	188266	20.498	ug/l		98
89) n-Butylbenzene	13.615	91	365542	21.464	ug/l		99
90) Hexachloroethane	13.877	117	78274	21.706	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	164154	20.146	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	10173	18.326	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	84875	18.449	ug/l		98
94) Hexachlorobutadiene	15.023	225	51596	19.833	ug/l		99
95) Naphthalene	15.145	128	135120	16.242	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	71165	17.901	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022905.D
Acq On : 02 Jul 2025 12:12
Operator : SY/MD
Sample : VY0702SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

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

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

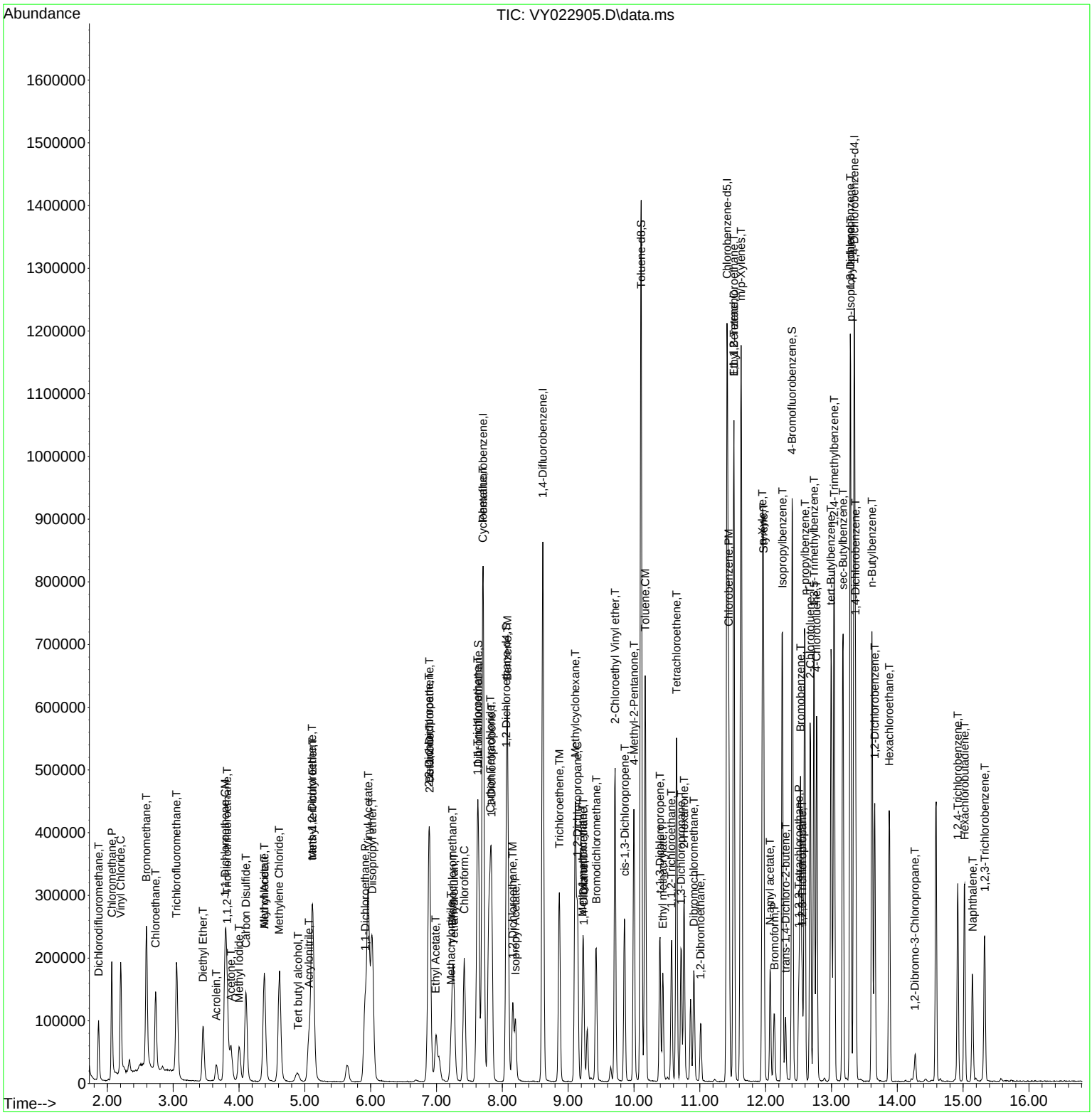
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022905.D
Acq On : 02 Jul 2025 12:12
Operator : SY/MD
Sample : VY0702SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 03 02:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025



Raw Data: **VY022931.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0703SBS01	SDG No.:	Q2473
Lab Sample ID:	VY0703SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022931.D	1	07/03/25 10:29	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.2		1.00	5.00	ug/Kg
67-64-1	Acetone	140		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	18.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	16.2		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	21.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	88.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.6		0.78	5.00	ug/Kg

Raw Data: **VY022931.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0703SBS01	SDG No.:	Q2473
Lab Sample ID:	VY0703SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022931.D	1	07/03/25 10:29	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.4		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.4		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	97.3		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.2		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.4		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.1		0.82	5.00	ug/Kg
100-42-5	Styrene	20.2		0.71	5.00	ug/Kg
75-25-2	Bromoform	17.7		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		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	17.8		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	16.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	51.1		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		17 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	388000	7.707			
540-36-3	1,4-Difluorobenzene	648000	8.616			
3114-55-4	Chlorobenzene-d5	538000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	252000	13.347			

Raw Data: **VY022931.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0703SBS01	SDG No.:	Q2473
Lab Sample ID:	VY0703SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022931.D	1	07/03/25 10:29	VY070325

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\VY070325\
Data File : VY022931.D
Acq On : 03 Jul 2025 10:29
Operator : SY/MD
Sample : VY0703SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 04 03:15:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	387913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	648160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	537972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	252496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	209510	48.391	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.780%			
35) Dibromofluoromethane	7.634	113	199592	50.635	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.260%			
50) Toluene-d8	10.109	98	799069	51.086	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.402	95	236501	47.034	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	70580	21.278	ug/l	98
3) Chloromethane	2.068	50	127454	20.122	ug/l	99
4) Vinyl Chloride	2.202	62	159294	20.130	ug/l	98
5) Bromomethane	2.592	94	122010	19.612	ug/l	97
6) Chloroethane	2.733	64	107980	20.300	ug/l	93
7) Trichlorofluoromethane	3.056	101	169518	19.346	ug/l	95
8) Diethyl Ether	3.452	74	45033	20.809	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	87150	21.764	ug/l	98
10) Methyl Iodide	4.001	142	97838	22.441	ug/l	99
11) Tert butyl alcohol	4.854	59	20469	71.102	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	83297	21.214	ug/l	100
13) Acrolein	3.653	56	25473	65.254	ug/l	99
14) Allyl chloride	4.385	41	129036	21.366	ug/l	96
15) Acrylonitrile	5.055	53	84609	93.703	ug/l	99
16) Acetone	3.873	43	111716	136.521	ug/l	100
17) Carbon Disulfide	4.104	76	267737	21.108	ug/l	99
18) Methyl Acetate	4.379	43	43949	16.217	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	195944	18.328	ug/l	98
20) Methylene Chloride	4.610	84	123955	23.986	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	93980	20.943	ug/l	96
22) Diisopropyl ether	6.019	45	283845	21.163	ug/l	98
23) Vinyl Acetate	5.958	43	731439	98.745	ug/l	98
24) 1,1-Dichloroethane	5.915	63	174928	21.593	ug/l	99
25) 2-Butanone	6.890	43	127266	106.858	ug/l	97
26) 2,2-Dichloropropane	6.884	77	149021	21.944	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	107102	20.539	ug/l	98
28) Bromochloromethane	7.244	49	69235	20.328	ug/l	98
29) Tetrahydrofuran	7.268	42	65265	86.784	ug/l	98
30) Chloroform	7.421	83	175044	20.978	ug/l	97
31) Cyclohexane	7.701	56	157776	21.217	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	153070	21.229	ug/l	99
36) 1,1-Dichloropropene	7.835	75	128212	21.459	ug/l	99
37) Ethyl Acetate	6.988	43	50224	19.480	ug/l	99
38) Carbon Tetrachloride	7.823	117	133029	21.102	ug/l	95
39) Methylcyclohexane	9.109	83	159255	20.597	ug/l	97
40) Benzene	8.079	78	393017	21.395	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022931.D
Acq On : 03 Jul 2025 10:29
Operator : SY/MD
Sample : VY0703SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 04 03:15:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	27881	17.566	ug/l		97
42) 1,2-Dichloroethane	8.158	62	103916	20.644	ug/l		98
43) Isopropyl Acetate	8.195	43	95778	17.874	ug/l		99
44) Trichloroethene	8.866	130	97639	21.170	ug/l		98
45) 1,2-Dichloropropane	9.140	63	92009	21.401	ug/l		99
46) Dibromomethane	9.231	93	47317	19.387	ug/l		96
47) Bromodichloromethane	9.420	83	128308	20.387	ug/l		99
48) Methyl methacrylate	9.219	41	47289	18.357	ug/l		95
49) 1,4-Dioxane	9.231	88	9157	317.567	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	241570	88.713	ug/l		98
52) Toluene	10.170	92	238824	20.608	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	108776	19.210	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	133699	20.363	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	61407	19.431	ug/l		96
56) Ethyl methacrylate	10.439	69	71109	16.724	ug/l		94
57) 1,3-Dichloropropane	10.719	76	106682	19.348	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	182772	92.321	ug/l		100
59) 2-Hexanone	10.762	43	180193	97.331	ug/l		100
60) Dibromochloromethane	10.914	129	78126	19.139	ug/l		98
61) 1,2-Dibromoethane	11.018	107	53694	18.156	ug/l		100
64) Tetrachloroethene	10.646	164	113322	22.298	ug/l		98
65) Chlorobenzene	11.438	112	246846	20.882	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	83151	20.768	ug/l		99
67) Ethyl Benzene	11.518	91	444341	21.394	ug/l		99
68) m/p-Xylenes	11.627	106	340082	42.359	ug/l		100
69) o-Xylene	11.950	106	152396	20.145	ug/l		97
70) Styrene	11.969	104	255350	20.151	ug/l		100
71) Bromoform	12.133	173	39349	17.650	ug/l	#	93
73) Isopropylbenzene	12.255	105	406452	21.766	ug/l		99
74) N-amyl acetate	12.072	43	76832	18.330	ug/l	#	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	56862	18.894	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	47637m	18.480	ug/l		
77) Bromobenzene	12.530	156	85396	20.175	ug/l		97
78) n-propylbenzene	12.591	91	501335	22.236	ug/l		99
79) 2-Chlorotoluene	12.676	91	276414	21.700	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	322847	21.417	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	19815	19.420	ug/l		99
82) 4-Chlorotoluene	12.773	91	285435	21.333	ug/l		99
83) tert-Butylbenzene	12.993	119	285631	21.485	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	319638	21.179	ug/l		99
85) sec-Butylbenzene	13.176	105	432243	21.609	ug/l		99
86) p-Isopropyltoluene	13.292	119	352748	21.191	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	175614	20.659	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	173497	20.546	ug/l		99
89) n-Butylbenzene	13.615	91	332530	21.237	ug/l		100
90) Hexachloroethane	13.877	117	71505	21.568	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	146920	19.612	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9096	17.822	ug/l		91
93) 1,2,4-Trichlorobenzene	14.919	180	74824	17.690	ug/l		98
94) Hexachlorobutadiene	15.023	225	47153	19.715	ug/l		99
95) Naphthalene	15.145	128	116220	15.195	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	61871	16.928	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022931.D
Acq On : 03 Jul 2025 10:29
Operator : SY/MD
Sample : VY0703SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBS01

Manual Integrations APPROVED

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

Quant Time: Jul 04 03:15:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

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

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

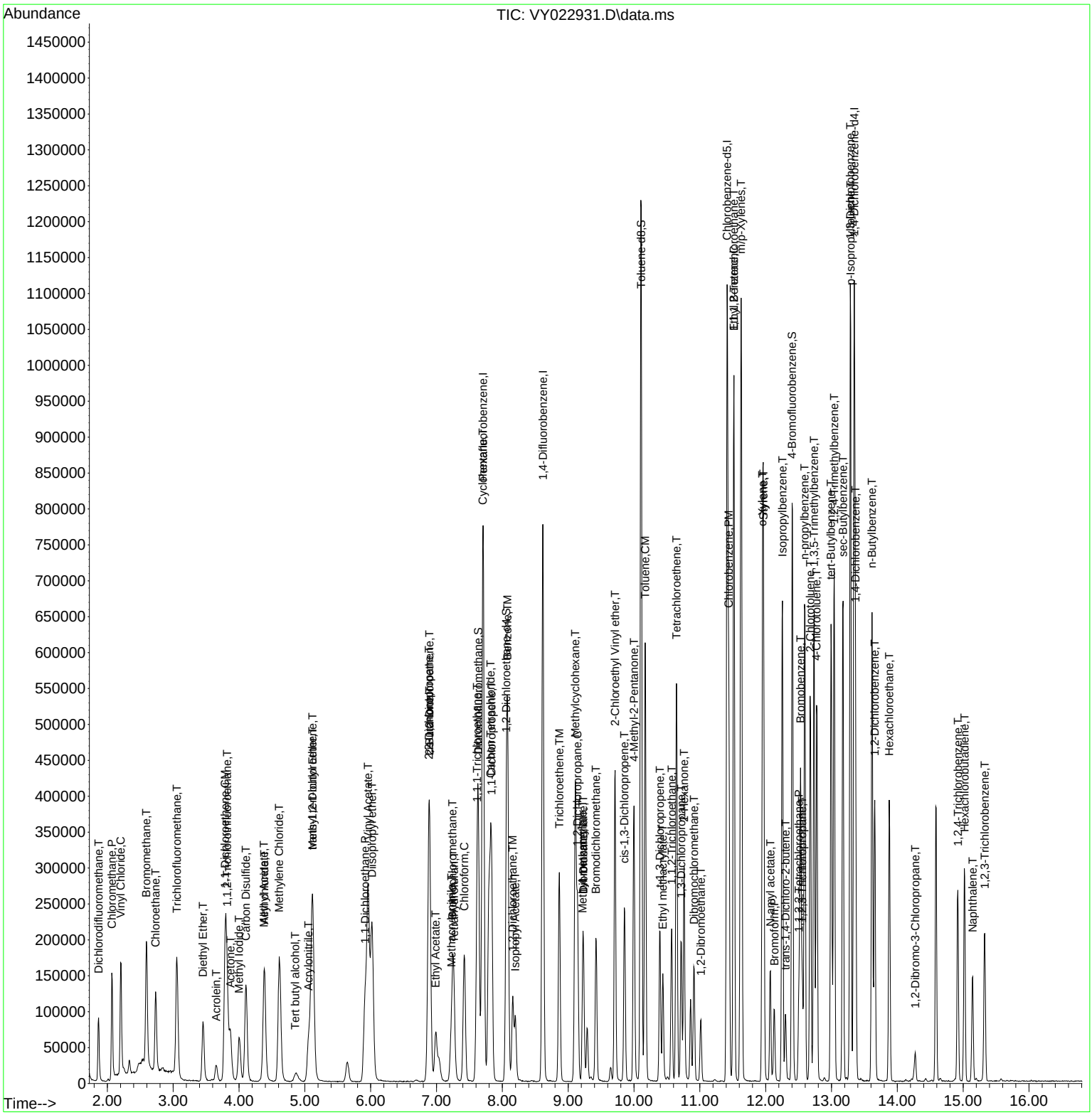
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022931.D
Acq On : 03 Jul 2025 10:29
Operator : SY/MD
Sample : VY0703SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 04 03:15:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBS01

Manual Integrations APPROVED

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



Raw Data: **VY022906.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBSD01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022906.D	1	07/02/25 12:35	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.5		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.3		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.5		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.4		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.0		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.0		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.9		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.4		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	21.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.6		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	97.1		3.60	25.0	ug/Kg
108-88-3	Toluene	20.8		0.78	5.00	ug/Kg

Raw Data: **VY022906.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBSD01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022906.D	1	07/02/25 12:35	VY070225

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	20.9		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.9		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	98.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.2		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.9		0.82	5.00	ug/Kg
100-42-5	Styrene	20.5		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.4		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.9		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.2		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	49.2		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		17 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	406000	7.713			
540-36-3	1,4-Difluorobenzene	690000	8.615			
3114-55-4	Chlorobenzene-d5	580000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	269000	13.346			

Raw Data: **VY022906.D**

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

Report of Analysis

Client:	JPCL Engineering		Date Collected:		
Project:	NOHO RFI No. SC64025 NYC		Date Received:		
Client Sample ID:	VY0702SBSD01		SDG No.:	Q2473	
Lab Sample ID:	VY0702SBSD01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5 Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCL	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022906.D	1	07/02/25 12:35	VY070225

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\VY070225\
Data File : VY022906.D
Acq On : 02 Jul 2025 12:35
Operator : SY/MD
Sample : VY0702SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:19:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	405936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	690466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	580305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	268831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	221367	48.860	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.720%			
35) Dibromofluoromethane	7.634	113	207980	49.530	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.060%			
50) Toluene-d8	10.109	98	819831	49.202	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.400%			
62) 4-Bromofluorobenzene	12.401	95	252675	47.172	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	73151	21.074	ug/l	97
3) Chloromethane	2.068	50	135977	20.515	ug/l	99
4) Vinyl Chloride	2.202	62	161726	19.530	ug/l	98
5) Bromomethane	2.592	94	138775	21.317	ug/l	95
6) Chloroethane	2.732	64	113851	20.453	ug/l	99
7) Trichlorofluoromethane	3.055	101	176768	19.278	ug/l	100
8) Diethyl Ether	3.458	74	49602	21.902	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	89122	21.268	ug/l	98
10) Methyl Iodide	4.007	142	92443	20.262	ug/l	100
11) Tert butyl alcohol	4.866	59	26846	89.113	ug/l	95
12) 1,1-Dichloroethene	3.793	96	87794	21.367	ug/l	97
13) Acrolein	3.659	56	32357	79.208	ug/l	100
14) Allyl chloride	4.385	41	140526	22.235	ug/l	93
15) Acrylonitrile	5.061	53	96461	102.086	ug/l	99
16) Acetone	3.872	43	103281	120.609	ug/l	96
17) Carbon Disulfide	4.104	76	279045	21.022	ug/l	100
18) Methyl Acetate	4.391	43	54209	19.115	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	227162	20.304	ug/l	98
20) Methylene Chloride	4.622	84	130254	24.086	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	99934	21.281	ug/l	95
22) Diisopropyl ether	6.018	45	309565	22.056	ug/l	97
23) Vinyl Acetate	5.963	43	820152	105.805	ug/l	99
24) 1,1-Dichloroethane	5.921	63	186471	21.995	ug/l	99
25) 2-Butanone	6.896	43	133750	107.316	ug/l	100
26) 2,2-Dichloropropane	6.890	77	154620	21.758	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	112463	20.610	ug/l	96
28) Bromochloromethane	7.250	49	76412	21.439	ug/l	96
29) Tetrahydrofuran	7.262	42	78189	99.353	ug/l	99
30) Chloroform	7.427	83	185877	21.288	ug/l	95
31) Cyclohexane	7.707	56	170338	21.889	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	163060	21.610	ug/l	99
36) 1,1-Dichloropropene	7.835	75	136939	21.515	ug/l	100
37) Ethyl Acetate	6.988	43	57194	20.824	ug/l	98
38) Carbon Tetrachloride	7.817	117	140172	20.872	ug/l	94
39) Methylcyclohexane	9.109	83	169582	20.589	ug/l	95
40) Benzene	8.079	78	415693	21.243	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022906.D
Acq On : 02 Jul 2025 12:35
Operator : SY/MD
Sample : VY0702SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 02:19:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	30954	18.307	ug/l		97
42) 1,2-Dichloroethane	8.158	62	111414	20.777	ug/l		99
43) Isopropyl Acetate	8.201	43	112874	19.774	ug/l		98
44) Trichloroethene	8.865	130	101178	20.593	ug/l		99
45) 1,2-Dichloropropane	9.140	63	98764	21.564	ug/l		99
46) Dibromomethane	9.231	93	52919	20.354	ug/l		98
47) Bromodichloromethane	9.426	83	137842	20.560	ug/l		99
48) Methyl methacrylate	9.225	41	53712	19.573	ug/l		94
49) 1,4-Dioxane	9.231	88	11478	373.670	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	281739	97.125	ug/l		98
52) Toluene	10.170	92	256912	20.810	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	121336	20.115	ug/l		94
54) cis-1,3-Dichloropropene	9.859	75	146389	20.930	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	67153	19.947	ug/l		96
56) Ethyl methacrylate	10.438	69	84745	18.710	ug/l		97
57) 1,3-Dichloropropane	10.719	76	119194	20.293	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	217887	101.450	ug/l		99
59) 2-Hexanone	10.761	43	195087	98.919	ug/l		100
60) Dibromochloromethane	10.908	129	87594	20.143	ug/l		99
61) 1,2-Dibromoethane	11.011	107	60347	19.155	ug/l		98
64) Tetrachloroethene	10.646	164	111034	20.254	ug/l		97
65) Chlorobenzene	11.438	112	270018	21.176	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	88025	20.382	ug/l		97
67) Ethyl Benzene	11.517	91	473565	21.138	ug/l		98
68) m/p-Xylenes	11.627	106	362398	41.845	ug/l		99
69) o-Xylene	11.950	106	170530	20.897	ug/l		98
70) Styrene	11.969	104	279943	20.480	ug/l		99
71) Bromoform	12.127	173	46324	19.263	ug/l	#	99
73) Isopropylbenzene	12.255	105	440003	22.131	ug/l		99
74) N-amyl acetate	12.072	43	92703	20.773	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	68527	21.386	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	50650m	18.455	ug/l		
77) Bromobenzene	12.529	156	96183	21.343	ug/l		99
78) n-propylbenzene	12.590	91	538120	22.418	ug/l		99
79) 2-Chlorotoluene	12.676	91	298394	22.002	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	348288	21.700	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	22080	20.325	ug/l		98
82) 4-Chlorotoluene	12.773	91	307205	21.565	ug/l		100
83) tert-Butylbenzene	12.993	119	316084	22.331	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	349907	21.775	ug/l		99
85) sec-Butylbenzene	13.176	105	469888	22.064	ug/l		99
86) p-Isopropyltoluene	13.291	119	381373	21.519	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	193122	21.338	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	188973	21.019	ug/l		98
89) n-Butylbenzene	13.615	91	362836	21.765	ug/l		99
90) Hexachloroethane	13.877	117	77772	22.033	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	166574	20.884	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10463	19.255	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	88791	19.717	ug/l		99
94) Hexachlorobutadiene	15.023	225	53880	21.158	ug/l		97
95) Naphthalene	15.139	128	151610	18.617	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	74875	19.241	ug/l		97

Sample Results: **VY022906.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022906.D
Acq On : 02 Jul 2025 12:35
Operator : SY/MD
Sample : VY0702SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 02:19:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025

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

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

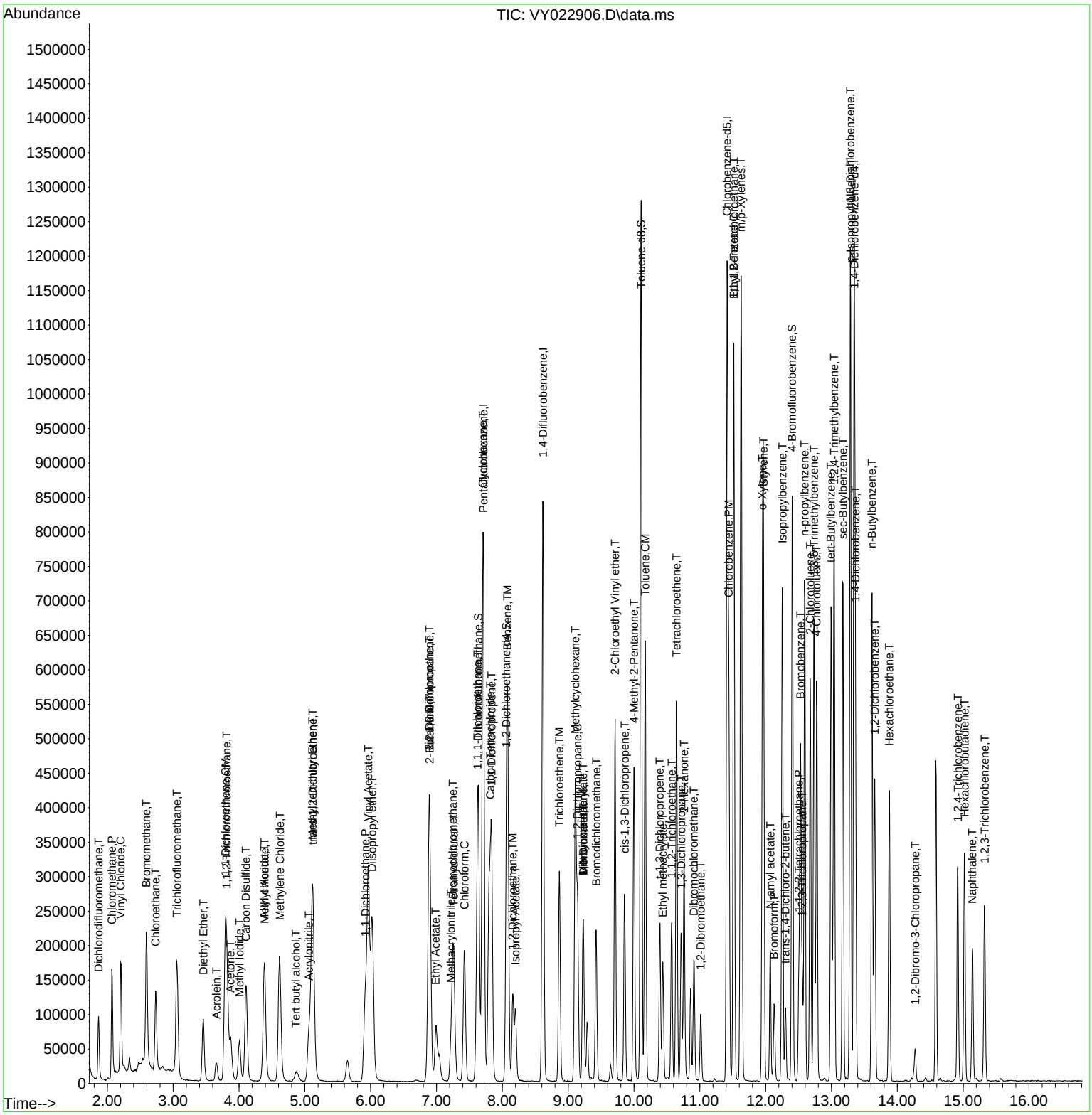
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022906.D
Acq On : 02 Jul 2025 12:35
Operator : SY/MD
Sample : VY0702SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 02:19:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025



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

Manual Integration Report

Sequence:	VY062325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022776.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDICC005	VY022776.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDICC010	VY022777.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDICC010	VY022777.D	Methacrylonitrile	MMDadoda	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDICC020	VY022778.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDICC020	VY022778.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDICCC050	VY022779.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:00 AM	Sam	6/24/2025 8:27:51 AM	Peak Integrated by Software
VSTDICC100	VY022780.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:59 AM	Sam	6/24/2025 8:27:52 AM	Peak Integrated by Software
VSTDICC150	VY022781.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:53 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY070225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022903.D	1,2,3-Trichloropropane	MMDadoda	7/3/2025 3:08:15 PM	SAM	7/3/2025 3:13:08 PM	Peak Integrated by Software
VY0702SBS01	VY022905.D	1,2,3-Trichloropropane	MMDadoda	7/3/2025 3:08:17 PM	SAM	7/3/2025 3:13:10 PM	Peak Integrated by Software
VY0702SBSD01	VY022906.D	1,2,3-Trichloropropane	MMDadoda	7/3/2025 3:08:19 PM	SAM	7/3/2025 3:13:12 PM	Peak Integrated by Software
VSTDCCC050	VY022927.D	1,2,3-Trichloropropane	MMDadoda	7/3/2025 3:08:21 PM	SAM	7/3/2025 3:13:13 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY070325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022929.D	1,2,3-Trichloropropane	MMDadoda	7/7/2025 2:11:50 PM	SAM	7/7/2025 2:15:28 PM	Peak Integrated by Software
VY0703SBS01	VY022931.D	1,2,3-Trichloropropane	MMDadoda	7/7/2025 2:11:52 PM	SAM	7/7/2025 2:15:28 PM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134461
Initial Calibration Stds	VP134462,VP134463,VP134464,VP134465,VP134466,VP134467
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134468
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022775.D	23 Jun 2025 10:17	SY/MD	Ok
2	VSTDICC005	VY022776.D	23 Jun 2025 13:38	SY/MD	Ok,M
3	VSTDICC010	VY022777.D	23 Jun 2025 14:00	SY/MD	Ok,M
4	VSTDICC020	VY022778.D	23 Jun 2025 14:23	SY/MD	Ok,M
5	VSTDICCC050	VY022779.D	23 Jun 2025 14:46	SY/MD	Ok,M
6	VSTDICC100	VY022780.D	23 Jun 2025 15:08	SY/MD	Ok,M
7	VSTDICC150	VY022781.D	23 Jun 2025 15:31	SY/MD	Ok,M
8	VIBLK	VY022782.D	23 Jun 2025 15:54	SY/MD	Ok
9	VSTDICV050	VY022783.D	23 Jun 2025 16:17	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY070225

Review By	Mahesh Dadoda	Review On	7/3/2025 3:08:26 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	7/3/2025 3:13:05 PM				
SubDirectory	VY070225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134605
Initial Calibration Stds	
CCC	VP134608,VP134609
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	VY022902.D	02 Jul 2025 08:51	SY/MD	Ok
2	VSTDCCC050	VY022903.D	02 Jul 2025 10:37	SY/MD	Ok,M
3	VY0702SBL01	VY022904.D	02 Jul 2025 11:42	SY/MD	Ok
4	VY0702SBS01	VY022905.D	02 Jul 2025 12:12	SY/MD	Ok,M
5	VY0702SBSD01	VY022906.D	02 Jul 2025 12:35	SY/MD	Ok,M
6	Q2469-03	VY022907.D	02 Jul 2025 13:12	SY/MD	Ok
7	Q2464-01	VY022908.D	02 Jul 2025 13:36	SY/MD	Ok
8	Q2478-03	VY022909.D	02 Jul 2025 13:59	SY/MD	Ok
9	Q2475-01	VY022910.D	02 Jul 2025 14:23	SY/MD	Ok
10	Q2486-02	VY022911.D	02 Jul 2025 14:46	SY/MD	ReRun
11	Q2458-04	VY022912.D	02 Jul 2025 15:09	SY/MD	Ok
12	Q2458-06	VY022913.D	02 Jul 2025 15:33	SY/MD	Ok
13	Q2458-07	VY022914.D	02 Jul 2025 15:56	SY/MD	Ok
14	Q2458-08	VY022915.D	02 Jul 2025 16:20	SY/MD	Ok
15	Q2458-09	VY022916.D	02 Jul 2025 16:43	SY/MD	ReRun
16	Q2473-01	VY022917.D	02 Jul 2025 17:07	SY/MD	Ok
17	Q2473-02	VY022918.D	02 Jul 2025 17:30	SY/MD	Ok
18	Q2473-03	VY022919.D	02 Jul 2025 17:53	SY/MD	Ok
19	Q2473-04	VY022920.D	02 Jul 2025 18:17	SY/MD	ReRun
20	Q2487-01	VY022921.D	02 Jul 2025 18:40	SY/MD	ReRun
21	Q2487-02	VY022922.D	02 Jul 2025 19:04	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY070225

Review By	Mahesh Dadoda	Review On	7/3/2025 3:08:26 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	7/3/2025 3:13:05 PM				
SubDirectory	VY070225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134605
Initial Calibration Stds	
CCC	VP134608,VP134609
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2487-03	VY022923.D	02 Jul 2025 19:27	SY/MD	ReRun
23	Q2487-04	VY022924.D	02 Jul 2025 19:50	SY/MD	ReRun
24	Q2487-05	VY022925.D	02 Jul 2025 20:14	SY/MD	ReRun
25	VIBLK	VY022926.D	02 Jul 2025 20:37	SY/MD	Ok
26	VSTDCCC050	VY022927.D	02 Jul 2025 21:23	SY/MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY070325

Review By	Mahesh Dadoda	Review On	7/7/2025 2:11:58 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	7/7/2025 2:15:30 PM				
SubDirectory	VY070325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134628
Initial Calibration Stds	
CCC	VP134631,VP134632
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	VY022928.D	03 Jul 2025 08:03	SY/MD	Ok
2	VSTDCCC050	VY022929.D	03 Jul 2025 09:26	SY/MD	Ok,M
3	VY0703SBL01	VY022930.D	03 Jul 2025 09:57	SY/MD	Ok
4	VY0703SBS01	VY022931.D	03 Jul 2025 10:29	SY/MD	Ok,M
5	VY0703SBSD01	VY022932.D	03 Jul 2025 10:52	SY/MD	Ok,M
6	Q2493-03	VY022933.D	03 Jul 2025 11:29	SY/MD	Ok
7	Q2491-01	VY022934.D	03 Jul 2025 11:53	SY/MD	Ok
8	Q2486-02	VY022935.D	03 Jul 2025 12:16	SY/MD	Ok
9	Q2473-04RE	VY022936.D	03 Jul 2025 12:39	SY/MD	Confirms
10	Q2458-09	VY022937.D	03 Jul 2025 13:03	SY/MD	Ok
11	Q2487-01	VY022938.D	03 Jul 2025 13:26	SY/MD	Ok
12	Q2487-02	VY022939.D	03 Jul 2025 13:50	SY/MD	Ok
13	Q2487-03	VY022940.D	03 Jul 2025 14:13	SY/MD	Ok
14	Q2487-04	VY022941.D	03 Jul 2025 14:36	SY/MD	Ok
15	Q2487-05RE	VY022942.D	03 Jul 2025 15:00	SY/MD	Confirms
16	Q2487-06	VY022943.D	03 Jul 2025 15:23	SY/MD	Ok
17	Q2487-07	VY022944.D	03 Jul 2025 15:47	SY/MD	ReRun

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134461
Initial Calibration Stds	VP134462,VP134463,VP134464,VP134465,VP134466,VP134467
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134468
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022775.D	23 Jun 2025 10:17		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022776.D	23 Jun 2025 13:38	LR- 58	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022777.D	23 Jun 2025 14:00		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022778.D	23 Jun 2025 14:23		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022779.D	23 Jun 2025 14:46		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022780.D	23 Jun 2025 15:08		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022781.D	23 Jun 2025 15:31		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022782.D	23 Jun 2025 15:54		SY/MD	Ok
9	VSTDICV050	ICVVY062325	VY022783.D	23 Jun 2025 16:17		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY070225

Review By	Mahesh Dadoda	Review On	7/3/2025 3:08:26 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/3/2025 3:13:05 PM		
SubDirectory	VY070225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134605
Initial Calibration Stds	
CCC	VP134608,VP134609
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	VY022902.D	02 Jul 2025 08:51		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022903.D	02 Jul 2025 10:37	CCAL failed high for comp.#16	SY/MD	Ok,M
3	VY0702SBL01	VY0702SBL01	VY022904.D	02 Jul 2025 11:42		SY/MD	Ok
4	VY0702SBS01	VY0702SBS01	VY022905.D	02 Jul 2025 12:12		SY/MD	Ok,M
5	VY0702SBSD01	VY0702SBSD01	VY022906.D	02 Jul 2025 12:35		SY/MD	Ok,M
6	Q2469-03	WC-1-VOC	VY022907.D	02 Jul 2025 13:12	vial-A	SY/MD	Ok
7	Q2464-01	OR-3-063025	VY022908.D	02 Jul 2025 13:36	vial-A	SY/MD	Ok
8	Q2478-03	WC-1-VOC	VY022909.D	02 Jul 2025 13:59	vial-A	SY/MD	Ok
9	Q2475-01	SOIL-PILE	VY022910.D	02 Jul 2025 14:23	vial-A	SY/MD	Ok
10	Q2486-02	VOC	VY022911.D	02 Jul 2025 14:46	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q2458-04	TP-67	VY022912.D	02 Jul 2025 15:09	vial-B	SY/MD	Ok
12	Q2458-06	TP-60	VY022913.D	02 Jul 2025 15:33	vial-A	SY/MD	Ok
13	Q2458-07	TP-62	VY022914.D	02 Jul 2025 15:56	vial-A	SY/MD	Ok
14	Q2458-08	TP-63	VY022915.D	02 Jul 2025 16:20	vial-A	SY/MD	Ok
15	Q2458-09	TP-59	VY022916.D	02 Jul 2025 16:43	vial-A CCC Failed High	SY/MD	ReRun
16	Q2473-01	PIT#1	VY022917.D	02 Jul 2025 17:07	vial-A	SY/MD	Ok
17	Q2473-02	PIT#2	VY022918.D	02 Jul 2025 17:30	vial-A	SY/MD	Ok
18	Q2473-03	PIT#3	VY022919.D	02 Jul 2025 17:53	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY070225

Review By	Mahesh Dadoda	Review On	7/3/2025 3:08:26 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/3/2025 3:13:05 PM		
SubDirectory	VY070225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134605
Initial Calibration Stds	
CCC	VP134608,VP134609
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2473-04	PIT#4	VY022920.D	02 Jul 2025 18:17	vial-A Surrogate fail;CCC Failed High	SY/MD	ReRun
20	Q2487-01	G4(1.5)	VY022921.D	02 Jul 2025 18:40	vial-A CCC failed high	SY/MD	ReRun
21	Q2487-02	G4(10)	VY022922.D	02 Jul 2025 19:04	vial-A CCC failed high	SY/MD	ReRun
22	Q2487-03	G3(9)	VY022923.D	02 Jul 2025 19:27	vial-A CCC failed high	SY/MD	ReRun
23	Q2487-04	G3(3)	VY022924.D	02 Jul 2025 19:50	vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
24	Q2487-05	G2(2.5)	VY022925.D	02 Jul 2025 20:14	vial-A Internal Standard Fail	SY/MD	ReRun
25	VIBLK	VIBLK	VY022926.D	02 Jul 2025 20:37		SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY022927.D	02 Jul 2025 21:23	Out of Tune	SY/MD	Not 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 # VY070325

Review By	Mahesh Dadoda	Review On	7/7/2025 2:11:58 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/7/2025 2:15:30 PM		
SubDirectory	VY070325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134628
Initial Calibration Stds	
CCC	VP134631,VP134632
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	VY022928.D	03 Jul 2025 08:03		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022929.D	03 Jul 2025 09:26		SY/MD	Ok,M
3	VY0703SBL01	VY0703SBL01	VY022930.D	03 Jul 2025 09:57		SY/MD	Ok
4	VY0703SBS01	VY0703SBS01	VY022931.D	03 Jul 2025 10:29		SY/MD	Ok,M
5	VY0703SBSD01	VY0703SBSD01	VY022932.D	03 Jul 2025 10:52		SY/MD	Ok,M
6	Q2493-03	WC-11-VOC	VY022933.D	03 Jul 2025 11:29	vial-A	SY/MD	Ok
7	Q2491-01	EO-1-070225	VY022934.D	03 Jul 2025 11:53	vial-A	SY/MD	Ok
8	Q2486-02	VOC	VY022935.D	03 Jul 2025 12:16	vial-B	SY/MD	Ok
9	Q2473-04RE	PIT#4RE	VY022936.D	03 Jul 2025 12:39	vial-B Internal Standard Fail; Surrogate Fail	SY/MD	Confirms
10	Q2458-09	TP-59	VY022937.D	03 Jul 2025 13:03	vial-B	SY/MD	Ok
11	Q2487-01	G4(1.5)	VY022938.D	03 Jul 2025 13:26	vial-B	SY/MD	Ok
12	Q2487-02	G4(10)	VY022939.D	03 Jul 2025 13:50	vial-B	SY/MD	Ok
13	Q2487-03	G3(9)	VY022940.D	03 Jul 2025 14:13	vial-B	SY/MD	Ok
14	Q2487-04	G3(3)	VY022941.D	03 Jul 2025 14:36	vial-B	SY/MD	Ok
15	Q2487-05RE	G2(2.5)RE	VY022942.D	03 Jul 2025 15:00	vial-B Internal Standard Fail	SY/MD	Confirms
16	Q2487-06	G2(9)	VY022943.D	03 Jul 2025 15:23	vial-A	SY/MD	Ok
17	Q2487-07	G1(4.5)	VY022944.D	03 Jul 2025 15:47	vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/2/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136342

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
Q2472-01	PN#1	1	1.00	1.00	2.00	2.00	100.0	CONCRETE SAMPLE , 100% SOLIDS
Q2473-01	PIT#1	2	1.14	10.18	11.32	10.3	90.0	
Q2473-02	PIT#2	3	1.18	10.50	11.68	10.64	90.1	
Q2473-03	PIT#3	4	1.19	10.64	11.83	10.6	88.4	
Q2473-04	PIT#4	5	1.18	10.77	11.95	10.95	90.7	
Q2475-01	SOIL-PILE	6	1.15	10.27	11.42	9.34	79.7	
Q2475-02	SOIL-PILE-E2	7	1.19	10.41	11.6	9.62	81.0	
Q2476-01	50731	8	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2478-01	WC-1	9	1.13	10.55	11.68	10.9	92.6	
Q2478-02	WC-1-EPH	10	1.19	10.69	11.88	11.02	92.0	
Q2478-03	WC-1-VOC	11	1.12	10.75	11.87	10.97	91.6	

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

WORKLIST(Hardcopy Internal Chain)

VB 136342

WorkList Name : %1-070125 **WorkList ID :** 190476 **Department :** Wet-Chemistry **Date :** 07-01-2025 08:41:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2473-01	PIT#1	Solid	Percent Solids	Cool 4 deg C	JPCL01	A12	07/01/2025	Chemtech -SO
Q2473-02	PIT#2	Solid	Percent Solids	Cool 4 deg C	JPCL01	A12	07/01/2025	Chemtech -SO
Q2473-03	PIT#3	Solid	Percent Solids	Cool 4 deg C	JPCL01	A12	07/01/2025	Chemtech -SO
Q2473-04	PIT#4	Solid	Percent Solids	Cool 4 deg C	JPCL01	A12	07/01/2025	Chemtech -SO
Q2472-01	PN#1	Solid	Percent Solids	Cool 4 deg C	JPCL01	A12	07/01/2025	Chemtech -SO
Q2475-01	SOIL-PILE	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	07/01/2025	Chemtech -SO
Q2475-02	SOIL-PILE-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/01/2025	Chemtech -SO
Q2476-01	50731	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/01/2025	Chemtech -SO
Q2478-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	07/01/2025	Chemtech -SO
Q2478-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	07/30/2025	Chemtech -SO
Q2478-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	07/30/2025	Chemtech -SO

Date/Time 07/01/25 15:10
Raw Sample Received by: SB WC
Raw Sample Relinquished by: SM

Date/Time 07/01/25 17:25
Raw Sample Received by: SM
Raw Sample Relinquished by: SB WC

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO. Q2473
QUOTE NO.
COC Number 2047529

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: JPCL Engineering LLC
ADDRESS: 2 Clerico LN, Bldg #1
CITY Hillsborough STATE: NJ ZIP: 08844
ATTENTION: Paul Rotondi
PHONE: 609 203-3846 FAX: N/A

CLIENT PROJECT INFORMATION

PROJECT NAME: Soil Sampling NOHO
PROJECT NO.: RGI #SC64025 LOCATION: NY, NY
PROJECT MANAGER: P. Rotondi
e-mail: protondi@JPCLengineering.com
PHONE: 609 203-3846 FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ 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. Cyanide/Hg/Metals
2. Corr, Ign
3. TCLP
4. SVOC BNA 20
5. TP4
6. Herbicides
7. Pesticides
8. PCB
9. VOA

PRESERVATIVES

3

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	PIT #1	Soil	X		7/1	8:[illegible]AM	13	/	/	/	/	/	/	/	/	/
2.	PIT #2		X			8:30AM		/	/	/	/	/	/	/	/	/
3.	PIT #3		X			8:40AM		/	/	/	/	/	/	/	/	/
4.	PIT #4		X			8:50AM		/	/	/	/	/	/	/	/	/
5.																
6.																
7.																
8.																
9.																
10.																

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Ali Yousaf	7/1 1140	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments: NORMAL TAT IR Gun #1

Page _____ of

CLIENT: ☒ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2473 JPCL01
Client Name : JPCL Engineering
Client Contact : Paul Rotondi
Invoice Name : JPCL Engineering
Invoice Contact : Paul Rotondi

Order Date : 7/1/2025 12:14:15 PM
Project Name : NOHO RFI No. SC64025 N
Receive DateTime : 7/1/2025 11:40:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 2
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
Q2473-01	PIT#1	Solid	07/01/2025	08:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2473-02	PIT#2	Solid	07/01/2025	08:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2473-03	PIT#3	Solid	07/01/2025	08:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2473-04	PIT#4	Solid	07/01/2025	08:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 7/1/25 14:05

Received By :
Date / Time : 7/1/25 14:05
Storage Area : VOA Refridgerator Room