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Cover Page

Order ID : Q2177

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q2177-01	B-187-SB00
Q2177-02	B-187-SB01
Q2177-03	B-187-SB01
Q2177-04	B-187-SB02
Q2177-05	B-187-SB02
Q2177-06	B-202-SB01
Q2177-07	B-202-SB01
Q2177-08	EB05312025
Q2177-09	TB05312025

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: 6/6/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2177**

	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: **PRATIK PATEL** **Date:** **06/06/2025**

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LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-01	**B-187-SB00**	**SOIL**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260D			06/03/25	
Q2177-02	**B-187-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260D			06/04/25	
Q2177-03	**B-187-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP VOA	8260D			06/03/25	
Q2177-04	**B-187-SB02**	**SOIL**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260D			06/04/25	
Q2177-05	**B-187-SB02**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP VOA	8260D			06/03/25	
Q2177-06	**B-202-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260D			06/05/25	
Q2177-07	**B-202-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP VOA	8260D			06/03/25	
Q2177-08	**EB05312025**	**Water**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260-Low			06/02/25	
Q2177-09	**TB05312025**	**Water**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260-Low			06/02/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**B-187-SB01**								
Q2177-02	B-187-SB01	SOIL	Dodecane	*	6.40	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Decane	*	11.5	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Cyclohexane, butyl-	*	4.40	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Naphthalene, decahydro-2-metl	*	6.50	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Cyclohexane, hexyl-	*	4.40	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Undecane, 2,6-dimethyl-	*	5.70	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Nonane, 4-methyl-	*	4.50	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Sulfurous acid, decyl 2-ethylhe	*	6.80	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	unknown14.950	*	4.70	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Carbonic acid, decyl prop-1-en-	*	6.70	J	0	0	ug/Kg
			Total Tics :		61.6				
			Total Concentration:		61.6				
Client ID:	**B-187-SB02**								
Q2177-04	B-187-SB02	SOIL	Acetone		66.4		5.90	31.2	ug/Kg
Q2177-04	B-187-SB02	SOIL	Carbon Disulfide		3.20	J	1.30	6.20	ug/Kg
Q2177-04	B-187-SB02	SOIL	2-Butanone		11.1	J	8.20	31.2	ug/Kg
Q2177-04	B-187-SB02	SOIL	Toluene		1.50	J	0.97	6.20	ug/Kg
			Total Voc :		82.2				
Q2177-04	B-187-SB02	SOIL	.alpha.-Pinene	*	62.5	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	Benzene, 1-methyl-3-(1-methyl	*	62.5	J	0	0	ug/Kg
			Total Tics :		125				
			Total Concentration:		207				
Client ID:	**B-202-SB01**								
Q2177-06	B-202-SB01	SOIL	Carbon Disulfide		1.50	J	1.00	4.70	ug/Kg
Q2177-06	B-202-SB01	SOIL	Methylene Chloride		4.30	J	3.30	9.50	ug/Kg
			Total Voc :		5.80				
			Total Concentration:		5.80				
Client ID:	**EB05312025**								
Q2177-08	EB05312025	Water	Acetone		21.4		1.50	5.00	ug/L
Q2177-08	EB05312025	Water	2-Butanone		2.40	J	0.98	5.00	ug/L
			Total Voc :		23.8				
Q2177-08	EB05312025	Water	Hexadecane, 2,6,11,15-tetramet	*	6.50	J	0	0	ug/L
			Total Tics :		6.50				
			Total Concentration:		30.3				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q2177-01	B-187-SB00	1,2-Dichloroethane-d4	50	48.3	97		70 (63)	130 (155)
		Dibromofluoromethane	50	51.7	103		70 (70)	130 (134)
		Toluene-d8	50	48.7	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	30.8	62	*	70 (17)	130 (146)
Q2177-02	B-187-SB01	1,2-Dichloroethane-d4	50	52.2	104		70 (63)	130 (155)
		Dibromofluoromethane	50	51.2	102		70 (70)	130 (134)
		Toluene-d8	50	49.8	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.8	86		70 (17)	130 (146)
Q2177-04	B-187-SB02	1,2-Dichloroethane-d4	50	52.0	104		70 (63)	130 (155)
		Dibromofluoromethane	50	52.1	104		70 (70)	130 (134)
		Toluene-d8	50	49.7	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	33.1	66	*	70 (17)	130 (146)
Q2177-06	B-202-SB01	1,2-Dichloroethane-d4	50	49.9	100		70 (63)	130 (155)
		Dibromofluoromethane	50	49.5	99		70 (70)	130 (134)
		Toluene-d8	50	49.8	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	41.7	83		70 (17)	130 (146)
VY0603SBL01	VY0603SBL01	1,2-Dichloroethane-d4	50	53.5	107		70 (63)	130 (155)
		Dibromofluoromethane	50	50.9	102		70 (70)	130 (134)
		Toluene-d8	50	49.9	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.0	84		70 (17)	130 (146)
VY0603SBS01	VY0603SBS01	1,2-Dichloroethane-d4	50	50.0	100		70 (63)	130 (155)
		Dibromofluoromethane	50	51.0	102		70 (70)	130 (134)
		Toluene-d8	50	51.5	103		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.0	98		70 (17)	130 (146)
VY0603SBSD01	VY0603SBSD01	1,2-Dichloroethane-d4	50	50.7	101		70 (63)	130 (155)
		Dibromofluoromethane	50	51.5	103		70 (70)	130 (134)
		Toluene-d8	50	52.6	105		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.1	100		70 (17)	130 (146)
VY0604SBL01	VY0604SBL01	1,2-Dichloroethane-d4	50	52.7	105		70 (63)	130 (155)
		Dibromofluoromethane	50	50.7	101		70 (70)	130 (134)
		Toluene-d8	50	49.3	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	41.7	83		70 (17)	130 (146)
VY0604SBS01	VY0604SBS01	1,2-Dichloroethane-d4	50	53.9	108		70 (63)	130 (155)
		Dibromofluoromethane	50	53.3	107		70 (70)	130 (134)
		Toluene-d8	50	53.4	107		70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.0	104		70 (17)	130 (146)
VY0605SBL01	VY0605SBL01	1,2-Dichloroethane-d4	50	51.7	103		70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101		70 (70)	130 (134)
		Toluene-d8	50	49.6	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.7	81		70 (17)	130 (146)
VY0605SBS01	VY0605SBS01	1,2-Dichloroethane-d4	50	49.6	99		70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101		70 (70)	130 (134)
		Toluene-d8	50	50.5	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.3	97		70 (17)	130 (146)

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Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2177-08	EB05312025	1,2-Dichloroethane-d4	50	51.9	104	70 (74)	130 (125)
		Dibromofluoromethane	50	49.1	98	70 (75)	130 (124)
		Toluene-d8	50	50.3	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.1	106	70 (77)	130 (121)
Q2177-09	TB05312025	1,2-Dichloroethane-d4	50	55.7	111	70 (74)	130 (125)
		Dibromofluoromethane	50	51.7	103	70 (75)	130 (124)
		Toluene-d8	50	50.1	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.4	103	70 (77)	130 (121)
VX0602WBL01	VX0602WBL01	1,2-Dichloroethane-d4	50	53.9	108	70 (74)	130 (125)
		Dibromofluoromethane	50	51.6	103	70 (75)	130 (124)
		Toluene-d8	50	50.9	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.8	102	70 (77)	130 (121)
VX0602WBS01	VX0602WBS01	1,2-Dichloroethane-d4	50	49.5	99	70 (74)	130 (125)
		Dibromofluoromethane	50	51.6	103	70 (75)	130 (124)
		Toluene-d8	50	49.2	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.8	100	70 (77)	130 (121)
VX0602WBSD0	VX0602WBSD01	1,2-Dichloroethane-d4	50	50.1	100	70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101	70 (75)	130 (124)
		Toluene-d8	50	48.3	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.9	100	70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046436.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0602WBS01	Dichlorodifluoromethane	20	17.3	ug/L	86			40 (69)	160 (116)	
	Chloromethane	20	16.8	ug/L	84			40 (65)	160 (116)	
	Vinyl chloride	20	16.8	ug/L	84			70 (65)	130 (117)	
	Bromomethane	20	17.0	ug/L	85			40 (58)	160 (125)	
	Chloroethane	20	18.7	ug/L	94			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.5	ug/L	93			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.3	ug/L	92			70 (74)	130 (110)	
	Acetone	100	100	ug/L	100			40 (60)	160 (125)	
	Carbon disulfide	20	14.3	ug/L	72			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.2	ug/L	101			70 (78)	130 (114)	
	Methyl Acetate	20	26.5	ug/L	133		*	70 (67)	130 (125)	
	Methylene Chloride	20	18.0	ug/L	90			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.0	ug/L	90			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.2	ug/L	101			70 (78)	130 (112)	
	Cyclohexane	20	17.6	ug/L	88			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.6	ug/L	98			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			70 (77)	130 (110)	
	Bromochloromethane	20	23.3	ug/L	117			70 (70)	130 (124)	
	Chloroform	20	20.5	ug/L	103			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.2	ug/L	101			70 (80)	130 (108)	
	Methylcyclohexane	20	17.3	ug/L	86			70 (72)	130 (115)	
	Benzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.7	ug/L	104			70 (80)	130 (115)	
	Trichloroethene	20	19.2	ug/L	96			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.4	ug/L	107			70 (83)	130 (111)	
	Bromodichloromethane	20	21.5	ug/L	108			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	19.9	ug/L	100			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.8	ug/L	99			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.2	ug/L	101			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.3	ug/L	106			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	21.4	ug/L	107			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.4	ug/L	102			70 (81)	130 (110)	
	Tetrachloroethene	20	19.3	ug/L	97			70 (67)	130 (123)	
	Chlorobenzene	20	19.6	ug/L	98			70 (82)	130 (109)	
	Ethyl Benzene	20	19.8	ug/L	99			70 (83)	130 (109)	
	m/p-Xylenes	40	39.6	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	20.3	ug/L	102			70 (83)	130 (109)	
	Styrene	20	21.0	ug/L	105			70 (80)	130 (111)	
	Bromoform	20	20.7	ug/L	104			70 (79)	130 (109)	
	Isopropylbenzene	20	20.6	ug/L	103			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/L	103			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	20.0	ug/L	100			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.8	ug/L	99			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	20.4	ug/L	102			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046436.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0602WBS01	1,2-Dibromo-3-Chloropropane	20	21.8	ug/L	109			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	20.3	ug/L	102			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046437.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0602WBSD01	Dichlorodifluoromethane	20	17.2	ug/L	86	0		40 (69)	160 (116)	20 (20)
	Chloromethane	20	16.9	ug/L	85	1		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	16.6	ug/L	83	1		70 (65)	130 (117)	20 (20)
	Bromomethane	20	17.2	ug/L	86	1		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.3	ug/L	92	2		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	18.1	ug/L	91	2		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96	3		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	18.0	ug/L	90	2		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	0		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	14.0	ug/L	70	3		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	20.9	ug/L	104	3		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	27.2	ug/L	136	2	*	70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	18.8	ug/L	94	4		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	2		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	20.2	ug/L	101	0		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	17.6	ug/L	88	0		70 (75)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	0		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.3	ug/L	97	1		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.9	ug/L	100	2		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	23.6	ug/L	118	1		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.8	ug/L	104	1		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.7	ug/L	99	2		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.2	ug/L	86	0		70 (72)	130 (115)	20 (20)
	Benzene	20	19.7	ug/L	99	0		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.8	ug/L	104	0		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.3	ug/L	97	1		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	20.9	ug/L	104	3		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	20.8	ug/L	104	4		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		40 (74)	160 (118)	20 (20)
	Toluene	20	19.9	ug/L	100	0		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.9	ug/L	100	1		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.2	ug/L	101	0		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	21.6	ug/L	108	2		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	0		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	21.5	ug/L	108	1		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.8	ug/L	104	2		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	18.4	ug/L	92	5		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.7	ug/L	99	1		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	19.9	ug/L	100	1		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	40.2	ug/L	101	2		70 (82)	130 (110)	20 (20)
	o-Xylene	20	20.6	ug/L	103	1		70 (83)	130 (109)	20 (20)
	Styrene	20	20.9	ug/L	104	1		70 (80)	130 (111)	20 (20)
	Bromoform	20	20.8	ug/L	104	0		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	20.2	ug/L	101	2		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	21.5	ug/L	108	5		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	20.1	ug/L	101	1		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.9	ug/L	100	1		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	21.0	ug/L	105	3		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046437.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0602WBSD01	1,2-Dibromo-3-Chloropropane	20	21.6	ug/L	108	1		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.6	ug/L	98	4		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	20.5	ug/L	103	1		70 (76)	130 (114)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022513.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0603SBS01	Dichlorodifluoromethane	20	22.1	ug/Kg	111			40 (64)	160 (136)	
	Chloromethane	20	18.4	ug/Kg	92			40 (52)	160 (151)	
	Vinyl chloride	20	20.8	ug/Kg	104			70 (56)	130 (148)	
	Bromomethane	20	20.2	ug/Kg	101			40 (58)	160 (141)	
	Chloroethane	20	21.3	ug/Kg	106			40 (69)	160 (130)	
	Trichlorofluoromethane	20	22.2	ug/Kg	111			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.2	ug/Kg	106			70 (79)	130 (121)	
	Acetone	100	140	ug/Kg	140			40 (40)	160 (171)	
	Carbon disulfide	20	20.8	ug/Kg	104			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			70 (77)	130 (129)	
	Methyl Acetate	20	20.6	ug/Kg	103			70 (69)	130 (149)	
	Methylene Chloride	20	18.5	ug/Kg	93			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Cyclohexane	20	20.2	ug/Kg	101			70 (76)	130 (122)	
	2-Butanone	100	120	ug/Kg	120			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.2	ug/Kg	101			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			70 (82)	130 (123)	
	Bromochloromethane	20	21.3	ug/Kg	106			70 (80)	130 (127)	
	Chloroform	20	21.1	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			70 (80)	130 (126)	
	Methylcyclohexane	20	19.8	ug/Kg	99			70 (77)	130 (123)	
	Benzene	20	20.7	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			70 (81)	130 (126)	
	Trichloroethene	20	21.3	ug/Kg	106			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	Bromodichloromethane	20	20.8	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	96.0	ug/Kg	96			40 (70)	160 (135)	
	Toluene	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	19.8	ug/Kg	99			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			70 (80)	130 (125)	
	Tetrachloroethene	20	21.2	ug/Kg	106			70 (83)	130 (125)	
	Chlorobenzene	20	20.3	ug/Kg	102			70 (84)	130 (122)	
	Ethyl Benzene	20	20.3	ug/Kg	102			70 (82)	130 (124)	
	m/p-Xylenes	40	40.2	ug/Kg	101			70 (83)	130 (124)	
	o-Xylene	20	20.0	ug/Kg	100			70 (83)	130 (123)	
	Styrene	20	19.9	ug/Kg	100			70 (82)	130 (124)	
	Bromoform	20	18.6	ug/Kg	93			70 (75)	130 (127)	
	Isopropylbenzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.6	ug/Kg	93			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022513.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0603SBS01	1,2-Dibromo-3-Chloropropane	20	18.9	ug/Kg	95			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.8	ug/Kg	94			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.4	ug/Kg	97			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022514.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0603SBSD01	Dichlorodifluoromethane	20	22.4	ug/Kg	112	1		40 (64)	160 (136)	30 (20)
	Chloromethane	20	22.2	ug/Kg	111	19		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	22.2	ug/Kg	111	7		70 (56)	130 (148)	30 (20)
	Bromomethane	20	21.2	ug/Kg	106	5		40 (58)	160 (141)	30 (20)
	Chloroethane	20	21.6	ug/Kg	108	2		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	21.2	ug/Kg	106	5		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/Kg	101	5		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	21.7	ug/Kg	109	3		70 (79)	130 (121)	30 (20)
	Acetone	100	120	ug/Kg	120	15		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	21.3	ug/Kg	106	2		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	20.5	ug/Kg	103	1		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	19.5	ug/Kg	98	5		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	19.3	ug/Kg	97	4		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104	1		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.1	ug/Kg	106	0		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.7	ug/Kg	99	2		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	9		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.9	ug/Kg	104	3		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.4	ug/Kg	107	4		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.8	ug/Kg	104	2		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.6	ug/Kg	108	2		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106	0		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.3	ug/Kg	102	3		70 (77)	130 (123)	30 (20)
	Benzene	20	21.0	ug/Kg	105	1		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.0	ug/Kg	105	3		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	21.5	ug/Kg	108	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.7	ug/Kg	104	0		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.0	ug/Kg	105	1		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	96.9	ug/Kg	97	1		40 (70)	160 (135)	30 (20)
	Toluene	20	20.5	ug/Kg	103	2		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	0		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	98.4	ug/Kg	98	12		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.2	ug/Kg	101	2		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.0	ug/Kg	100	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	21.3	ug/Kg	106	0		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	21.1	ug/Kg	106	4		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.8	ug/Kg	104	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	41.3	ug/Kg	103	2		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.7	ug/Kg	104	4		70 (83)	130 (123)	30 (20)
	Styrene	20	20.6	ug/Kg	103	3		70 (82)	130 (124)	30 (20)
	Bromoform	20	19.9	ug/Kg	100	7		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	21.1	ug/Kg	106	5		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.0	ug/Kg	100	7		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103	6		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	4		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	5		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022514.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0603SBSD01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97	2		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.9	ug/Kg	104	10		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.3	ug/Kg	102	5		70 (70)	130 (137)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022540.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0604SBS01	Dichlorodifluoromethane	20	22.1	ug/Kg	111			40 (64)	160 (136)	
	Chloromethane	20	18.8	ug/Kg	94			40 (52)	160 (151)	
	Vinyl chloride	20	22.0	ug/Kg	110			70 (56)	130 (148)	
	Bromomethane	20	21.2	ug/Kg	106			40 (58)	160 (141)	
	Chloroethane	20	22.5	ug/Kg	113			40 (69)	160 (130)	
	Trichlorofluoromethane	20	23.5	ug/Kg	117			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.1	ug/Kg	106			70 (79)	130 (121)	
	Acetone	100	87.2	ug/Kg	87			40 (40)	160 (171)	
	Carbon disulfide	20	20.5	ug/Kg	103			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	20.2	ug/Kg	101			70 (77)	130 (129)	
	Methyl Acetate	20	20.0	ug/Kg	100			70 (69)	130 (149)	
	Methylene Chloride	20	19.1	ug/Kg	96			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	20.7	ug/Kg	104			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Cyclohexane	20	19.6	ug/Kg	98			70 (76)	130 (122)	
	2-Butanone	100	93.6	ug/Kg	94			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Bromochloromethane	20	21.0	ug/Kg	105			70 (80)	130 (127)	
	Chloroform	20	21.1	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			70 (80)	130 (126)	
	Methylcyclohexane	20	20.0	ug/Kg	100			70 (77)	130 (123)	
	Benzene	20	20.8	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			70 (81)	130 (126)	
	Trichloroethene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.1	ug/Kg	106			70 (83)	130 (122)	
	Bromodichloromethane	20	20.9	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	93.5	ug/Kg	94			40 (70)	160 (135)	
	Toluene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.3	ug/Kg	97			70 (82)	130 (125)	
	2-Hexanone	100	91.6	ug/Kg	92			40 (66)	160 (138)	
	Dibromochloromethane	20	19.7	ug/Kg	99			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.5	ug/Kg	103			70 (80)	130 (125)	
	Tetrachloroethene	20	20.9	ug/Kg	104			70 (83)	130 (125)	
	Chlorobenzene	20	20.4	ug/Kg	102			70 (84)	130 (122)	
	Ethyl Benzene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	38.9	ug/Kg	97			70 (83)	130 (124)	
	o-Xylene	20	19.8	ug/Kg	99			70 (83)	130 (123)	
	Styrene	20	19.4	ug/Kg	97			70 (82)	130 (124)	
	Bromoform	20	18.6	ug/Kg	93			70 (75)	130 (127)	
	Isopropylbenzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.6	ug/Kg	93			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022540.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0604SBS01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	21.1	ug/Kg	106			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.5	ug/Kg	103			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022562.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0605SBS01	Dichlorodifluoromethane	20	21.6	ug/Kg	108			40 (64)	160 (136)	
	Chloromethane	20	19.8	ug/Kg	99			40 (52)	160 (151)	
	Vinyl chloride	20	24.1	ug/Kg	121			70 (56)	130 (148)	
	Bromomethane	20	23.0	ug/Kg	115			40 (58)	160 (141)	
	Chloroethane	20	24.2	ug/Kg	121			40 (69)	160 (130)	
	Trichlorofluoromethane	20	25.7	ug/Kg	129			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.2	ug/Kg	106			70 (79)	130 (121)	
	Acetone	100	94.2	ug/Kg	94			40 (40)	160 (171)	
	Carbon disulfide	20	20.7	ug/Kg	104			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102			70 (77)	130 (129)	
	Methyl Acetate	20	19.1	ug/Kg	96			70 (69)	130 (149)	
	Methylene Chloride	20	21.5	ug/Kg	108			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.4	ug/Kg	107			70 (82)	130 (123)	
	Cyclohexane	20	20.0	ug/Kg	100			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.7	ug/Kg	104			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Bromochloromethane	20	20.0	ug/Kg	100			70 (80)	130 (127)	
	Chloroform	20	21.2	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105			70 (80)	130 (126)	
	Methylcyclohexane	20	20.0	ug/Kg	100			70 (77)	130 (123)	
	Benzene	20	20.9	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.9	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	Bromodichloromethane	20	20.8	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	97.2	ug/Kg	97			40 (70)	160 (135)	
	Toluene	20	20.5	ug/Kg	103			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.7	ug/Kg	99			70 (82)	130 (125)	
	2-Hexanone	100	95.8	ug/Kg	96			40 (66)	160 (138)	
	Dibromochloromethane	20	20.1	ug/Kg	101			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			70 (80)	130 (125)	
	Tetrachloroethene	20	20.4	ug/Kg	102			70 (83)	130 (125)	
	Chlorobenzene	20	20.8	ug/Kg	104			70 (84)	130 (122)	
	Ethyl Benzene	20	20.2	ug/Kg	101			70 (82)	130 (124)	
	m/p-Xylenes	40	39.9	ug/Kg	100			70 (83)	130 (124)	
	o-Xylene	20	20.1	ug/Kg	101			70 (83)	130 (123)	
	Styrene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	19.9	ug/Kg	100			70 (75)	130 (127)	
	Isopropylbenzene	20	20.9	ug/Kg	104			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.6	ug/Kg	103			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.2	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022562.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0605SBS01	1,2-Dibromo-3-Chloropropane	20	18.2	ug/Kg	91			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.4	ug/Kg	97			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0602WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046435.D Lab Sample ID: VX0602WBL01

Date Analyzed: 06/02/2025 Time Analyzed: 11:14

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0602WBS01	VX0602WBS01	VX046436.D	06/02/2025
VX0602WBSD01	VX0602WBSD01	VX046437.D	06/02/2025
TB05312025	Q2177-09	VX046444.D	06/02/2025
EB05312025	Q2177-08	VX046454.D	06/02/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0603SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022512.D Lab Sample ID: VY0603SBL01

Date Analyzed: 06/03/2025 Time Analyzed: 10:40

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
VY0603SBS01	VY0603SBS01	VY022513.D	06/03/2025
VY0603SBSD01	VY0603SBSD01	VY022514.D	06/03/2025
B-187-SB00	Q2177-01	VY022534.D	06/03/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0604SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022539.D Lab Sample ID: VY0604SBL01

Date Analyzed: 06/04/2025 Time Analyzed: 10:24

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
VY0604SBS01	VY0604SBS01	VY022540.D	06/04/2025
B-187-SB01	Q2177-02	VY022554.D	06/04/2025
B-187-SB02	Q2177-04	VY022555.D	06/04/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0605SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022561.D Lab Sample ID: VY0605SBL01

Date Analyzed: 06/05/2025 Time Analyzed: 09:11

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
VY0605SBS01	VY0605SBS01	VY022562.D	06/05/2025
B-202-SB01	Q2177-06	VY022568.D	06/05/2025

COMMENTS:

Raw Data: **VX046038.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
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	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046432.D BFB Injection Date: 06/02/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:42

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	55.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	67.7
175	5.0 - 9.0% of mass 174	5.5 (8.1) 1
176	95.0 - 101.0% of mass 174	66.8 (98.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.3) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046433.D	06/02/2025	10:21
VX0602WBL01	VX0602WBL01	VX046435.D	06/02/2025	11:14
VX0602WBS01	VX0602WBS01	VX046436.D	06/02/2025	11:37
VX0602WBSD01	VX0602WBSD01	VX046437.D	06/02/2025	12:04
TB05312025	Q2177-09	VX046444.D	06/02/2025	14:47
EB05312025	Q2177-08	VX046454.D	06/02/2025	19:06

Raw Data: **VY022488.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022488.D BFB Injection Date: 06/02/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:31

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	25.6
75	30.0 - 60.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	86.2
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.5 (95.6) 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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022491.D	06/02/2025	11:46
VSTDICC010	VSTDICC010	VY022492.D	06/02/2025	12:09
VSTDICC020	VSTDICC020	VY022493.D	06/02/2025	12:32
VSTDICCC050	VSTDICCC050	VY022494.D	06/02/2025	12:54
VSTDICC100	VSTDICC100	VY022495.D	06/02/2025	13:17
VSTDICC150	VSTDICC150	VY022496.D	06/02/2025	13:39

Raw Data: **VY022510.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022510.D BFB Injection Date: 06/03/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:03

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	26
75	30.0 - 60.0% of mass 95	59.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	82.6
175	5.0 - 9.0% of mass 174	6.2 (7.6) 1
176	95.0 - 101.0% of mass 174	79.5 (96.3) 1
177	5.0 - 9.0% of mass 176	5 (6.3) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022511.D	06/03/2025	10:03
VY0603SBL01	VY0603SBL01	VY022512.D	06/03/2025	10:40
VY0603SBS01	VY0603SBS01	VY022513.D	06/03/2025	11:15
VY0603SBSD01	VY0603SBSD01	VY022514.D	06/03/2025	11:38
B-187-SB00	Q2177-01	VY022534.D	06/03/2025	19:42

Raw Data: **VY022537.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022537.D BFB Injection Date: 06/04/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:48

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	25.3
75	30.0 - 60.0% of mass 95	58.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	85.4
175	5.0 - 9.0% of mass 174	6.4 (7.5) 1
176	95.0 - 101.0% of mass 174	83.3 (97.6) 1
177	5.0 - 9.0% of mass 176	5.3 (6.3) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022538.D	06/04/2025	09:54
VY0604SBL01	VY0604SBL01	VY022539.D	06/04/2025	10:24
VY0604SBS01	VY0604SBS01	VY022540.D	06/04/2025	10:54
B-187-SB01	Q2177-02	VY022554.D	06/04/2025	16:34
B-187-SB02	Q2177-04	VY022555.D	06/04/2025	16:58

Raw Data: **VY022559.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022559.D BFB Injection Date: 06/05/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:08

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	25.2
75	30.0 - 60.0% of mass 95	58.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.5 (7.9) 1
176	95.0 - 101.0% of mass 174	80.9 (97.1) 1
177	5.0 - 9.0% of mass 176	5.2 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022560.D	06/05/2025	08:40
VY0605SBL01	VY0605SBL01	VY022561.D	06/05/2025	09:11
VY0605SBS01	VY0605SBS01	VY022562.D	06/05/2025	09:41
B-202-SB01	Q2177-06	VY022568.D	06/05/2025	12:45

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046433.D Date Analyzed: 06/02/2025

Instrument ID: MSVOA_X Time Analyzed: 10:21

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	91247	5.54	155497	6.75	135003	10.05
UPPER LIMIT	182494	6.038	310994	7.251	270006	10.549
LOWER LIMIT	45623.5	5.038	77748.5	6.251	67501.5	9.549
EPA SAMPLE NO.						
EB05312025	65892	5.54	131320	6.76	124794	10.06
TB05312025	60024	5.54	122332	6.76	117285	10.05
VX0602WBL01	66983	5.54	131566	6.76	125222	10.05
VX0602WBS01	88536	5.54	152496	6.76	133074	10.05
VX0602WBSD01	82810	5.54	146139	6.76	127160	10.05

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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046433.D Date Analyzed: 06/02/2025

Instrument ID: MSVOA_X Time Analyzed: 10:21

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	65264	12.018				
UPPER LIMIT	130528	12.518				
LOWER LIMIT	32632	11.518				
EPA SAMPLE NO.						
EB05312025	55855	12.02				
TB05312025	49224	12.02				
VX0602WBL01	51823	12.02				
VX0602WBS01	62985	12.02				
VX0602WBSD01	61222	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022511.D Date Analyzed: 06/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:03

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	187797	7.71	325302	8.62	276655	11.42
UPPER LIMIT	375594	8.213	650604	9.115	553310	11.92
LOWER LIMIT	93898.5	7.213	162651	8.115	138328	10.92
EPA SAMPLE NO.						
B-187-SB00	249503	7.71	446768	8.62	313918	11.41
VY0603SBL01	287398	7.71	534399	8.62	428748	11.42
VY0603SBS01	197612	7.71	337632	8.62	284268	11.42
VY0603SBSD01	196295	7.71	333757	8.62	277257	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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022511.D Date Analyzed: 06/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:03

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

	IS4 AREA #	RT #				
12 HOUR STD	130385	13.346				
UPPER LIMIT	260770	13.846				
LOWER LIMIT	65192.5	12.846				
EPA SAMPLE NO.						
B-187-SB00	80935	13.35				
VY0603SBL01	155262	13.35				
VY0603SBS01	131961	13.35				
VY0603SBSD01	127082	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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022538.D Date Analyzed: 06/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:54

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	186956	7.71	316261	8.62	266067	11.42
UPPER LIMIT	373912	8.213	632522	9.116	532134	11.92
LOWER LIMIT	93478	7.213	158131	8.116	133034	10.92
EPA SAMPLE NO.						
B-187-SB01	261314	7.71	474753	8.61	386745	11.41
B-187-SB02	280753	7.71	497958	8.61	360175	11.41
VY0604SBL01	271205	7.71	498185	8.62	390593	11.41
VY0604SBS01	177182	7.71	307142	8.62	260223	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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022538.D Date Analyzed: 06/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:54

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

	IS4 AREA #	RT #				
12 HOUR STD	125910	13.346				
UPPER LIMIT	251820	13.846				
LOWER LIMIT	62955	12.846				
EPA SAMPLE NO.						
B-187-SB01	144573	13.35				
B-187-SB02	103121	13.34				
VY0604SBL01	137326	13.35				
VY0604SBS01	119650	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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022560.D Date Analyzed: 06/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:40

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	179733	7.71	304462	8.62	260955	11.41
UPPER LIMIT	359466	8.207	608924	9.116	521910	11.914
LOWER LIMIT	89866.5	7.207	152231	8.116	130478	10.914
EPA SAMPLE NO.						
B-202-SB01	270828	7.71	498576	8.61	399252	11.41
VY0605SBL01	260317	7.71	481555	8.61	383268	11.41
VY0605SBS01	185960	7.71	319893	8.62	265176	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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022560.D Date Analyzed: 06/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:40

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

	IS4 AREA #	RT #				
12 HOUR STD	122317	13.346				
UPPER LIMIT	244634	13.846				
LOWER LIMIT	61158.5	12.846				
EPA SAMPLE NO.						
B-202-SB01	144715	13.34				
VY0605SBL01	134444	13.35				
VY0605SBS01	121174	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: **VY022534.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB00	SDG No.:	Q2177
Lab Sample ID:	Q2177-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.2
Sample Wt/Vol:	2.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022534.D	1		06/03/25 19:42	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.50	U	2.50	10.9	ug/Kg
74-87-3	Chloromethane	2.50	U	2.50	10.9	ug/Kg
75-01-4	Vinyl Chloride	1.70	U	1.70	10.9	ug/Kg
74-83-9	Bromomethane	2.30	U	2.30	10.9	ug/Kg
75-00-3	Chloroethane	2.80	U	2.80	10.9	ug/Kg
75-69-4	Trichlorofluoromethane	2.60	U	2.60	10.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.30	U	2.30	10.9	ug/Kg
75-35-4	1,1-Dichloroethene	2.20	U	2.20	10.9	ug/Kg
67-64-1	Acetone	10.4	U	10.4	54.7	ug/Kg
75-15-0	Carbon Disulfide	2.30	U	2.30	10.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.60	U	1.60	10.9	ug/Kg
79-20-9	Methyl Acetate	3.40	U	3.40	10.9	ug/Kg
75-09-2	Methylene Chloride	7.70	U	7.70	21.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	1.90	10.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	1.80	10.9	ug/Kg
110-82-7	Cyclohexane	1.70	U	1.70	10.9	ug/Kg
78-93-3	2-Butanone	14.3	U	14.3	54.7	ug/Kg
56-23-5	Carbon Tetrachloride	2.10	U	2.10	10.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.60	U	1.60	10.9	ug/Kg
74-97-5	Bromochloromethane	2.50	U	2.50	10.9	ug/Kg
67-66-3	Chloroform	1.80	U	1.80	10.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.00	U	2.00	10.9	ug/Kg
108-87-2	Methylcyclohexane	2.00	U	2.00	10.9	ug/Kg
71-43-2	Benzene	1.70	U	1.70	10.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.70	U	1.70	10.9	ug/Kg
79-01-6	Trichloroethene	1.80	U	1.80	10.9	ug/Kg
78-87-5	1,2-Dichloropropane	2.00	U	2.00	10.9	ug/Kg
75-27-4	Bromodichloromethane	1.70	U	1.70	10.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.80	U	7.80	54.7	ug/Kg
108-88-3	Toluene	1.70	U	1.70	10.9	ug/Kg

Raw Data: **VY022534.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB00	SDG No.:	Q2177
Lab Sample ID:	Q2177-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.2
Sample Wt/Vol:	2.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022534.D	1		06/03/25 19:42	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.40	U	1.40	10.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.40	U	1.40	10.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.00	U	2.00	10.9	ug/Kg
591-78-6	2-Hexanone	8.10	U	8.10	54.7	ug/Kg
124-48-1	Dibromochloromethane	1.90	U	1.90	10.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.90	U	1.90	10.9	ug/Kg
127-18-4	Tetrachloroethene	2.30	U	2.30	10.9	ug/Kg
108-90-7	Chlorobenzene	2.00	U	2.00	10.9	ug/Kg
100-41-4	Ethyl Benzene	1.50	U	1.50	10.9	ug/Kg
179601-23-1	m/p-Xylenes	2.70	U	2.70	21.9	ug/Kg
95-47-6	o-Xylene	1.80	U	1.80	10.9	ug/Kg
100-42-5	Styrene	1.60	U	1.60	10.9	ug/Kg
75-25-2	Bromoform	1.90	U	1.90	10.9	ug/Kg
98-82-8	Isopropylbenzene	1.70	U	1.70	10.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.60	U	2.60	10.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.70	U	3.70	10.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.40	U	3.40	10.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.20	U	3.20	10.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.00	U	4.00	10.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.50	U	6.50	10.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	7.00	U	7.00	10.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.8	*	70 (17) - 130 (146)	62%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	250000	7.707			
540-36-3	1,4-Difluorobenzene	447000	8.616			
3114-55-4	Chlorobenzene-d5	314000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	80900	13.346			

Raw Data: **VY022534.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB00	SDG No.:	Q2177
Lab Sample ID:	Q2177-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.2
Sample Wt/Vol:	2.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022534.D	1		06/03/25 19:42	VY060325

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\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Quant Time: Jun 04 04:18:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	249503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	446768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134811	48.310	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.620%			
35) Dibromofluoromethane	7.634	113	137946	51.730	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.460%			
50) Toluene-d8	10.103	98	524997	48.723	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.440%			
62) 4-Bromofluorobenzene	12.402	95	98946	30.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 61.640%			

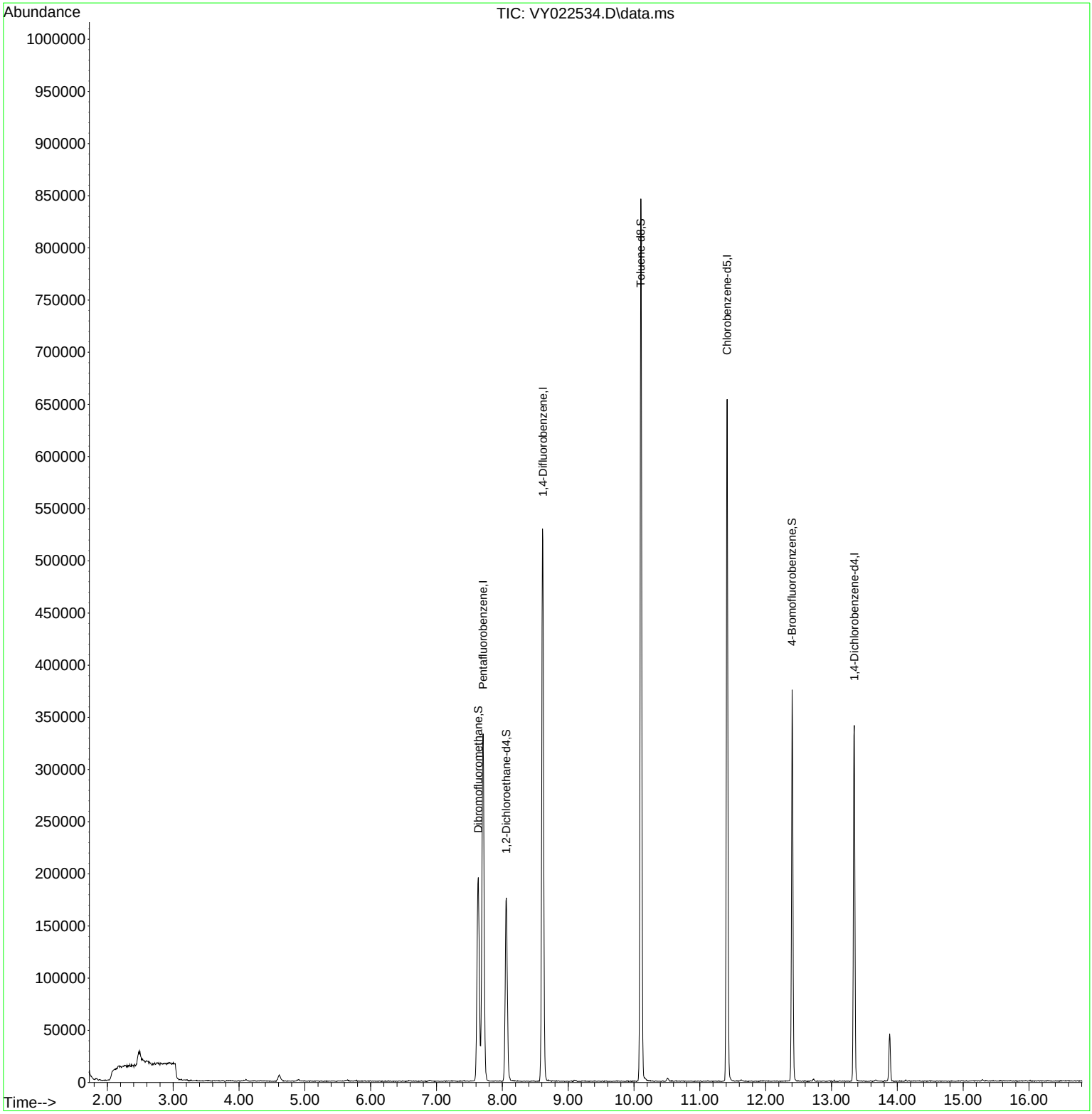
Target Compounds Qvalue

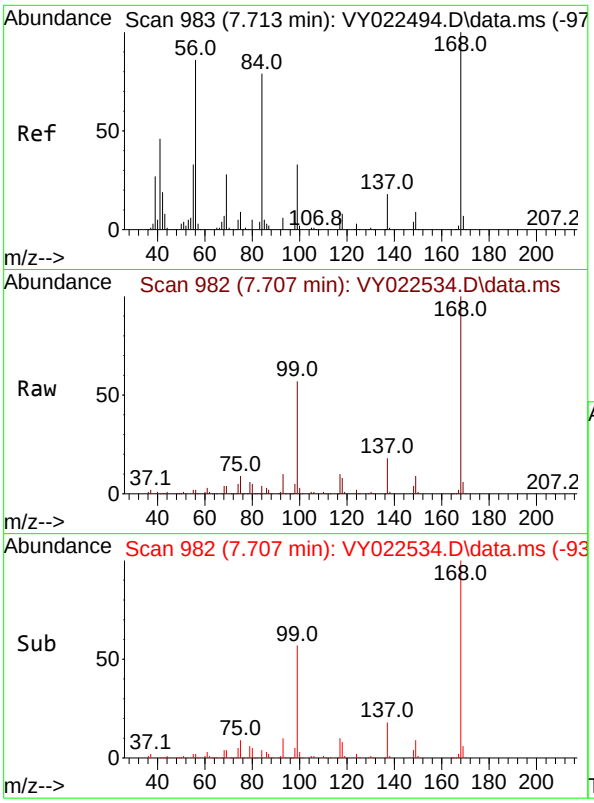
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Quant Time: Jun 04 04:18:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



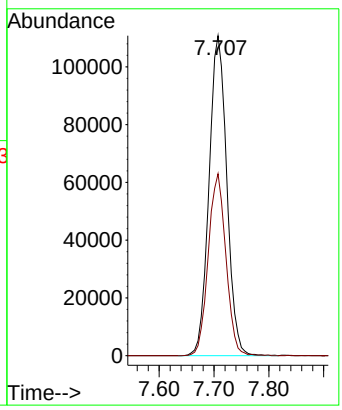


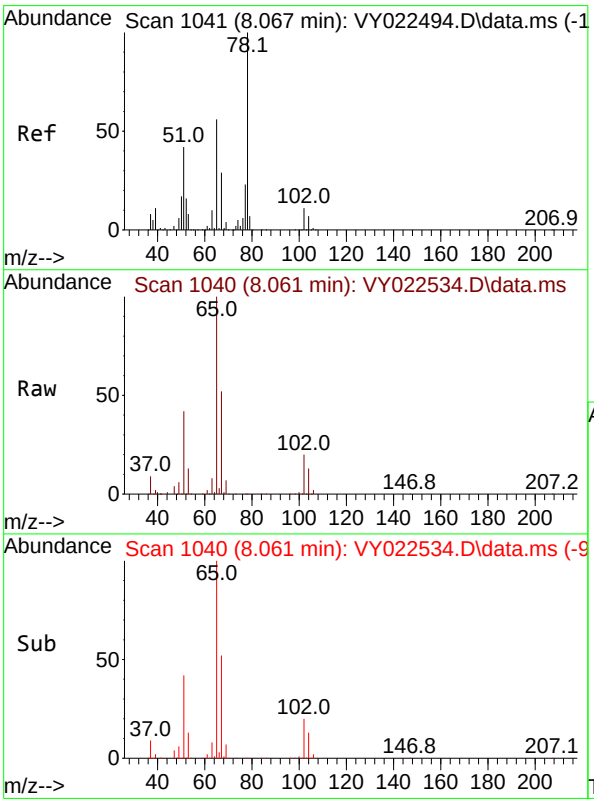
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Tgt Ion:168 Resp: 249503

Ion	Ratio	Lower	Upper
168	100		
99	56.9	44.3	66.5

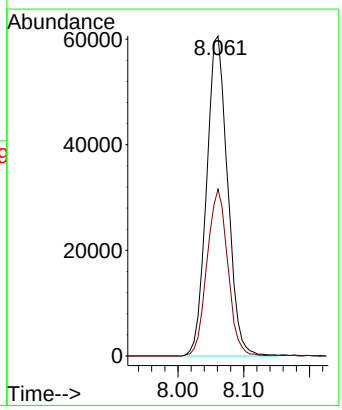


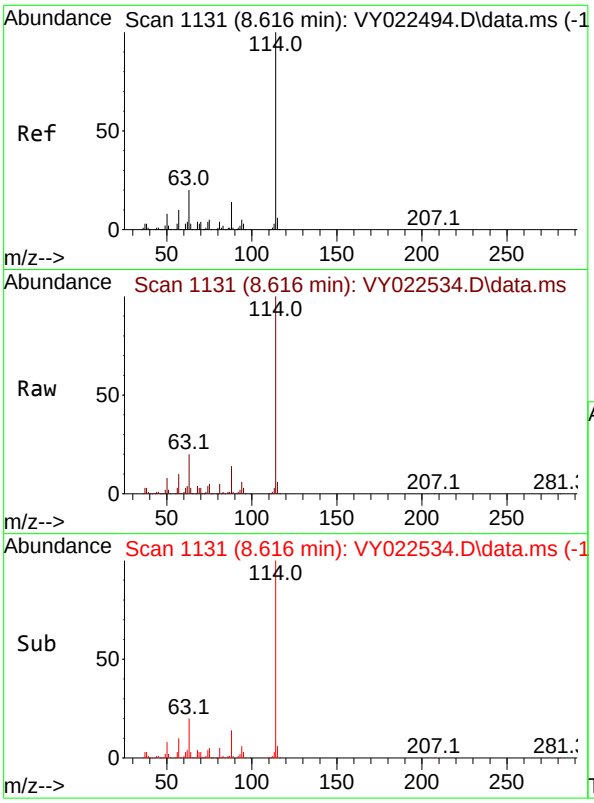


#33
1,2-Dichloroethane-d4
Concen: 48.310 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion: 65 Resp: 134811

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.4



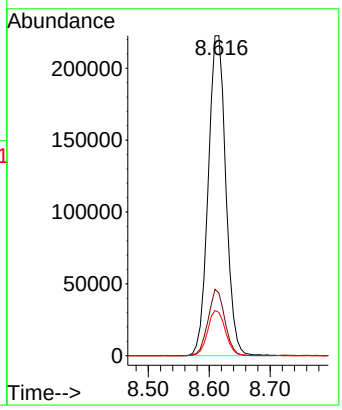


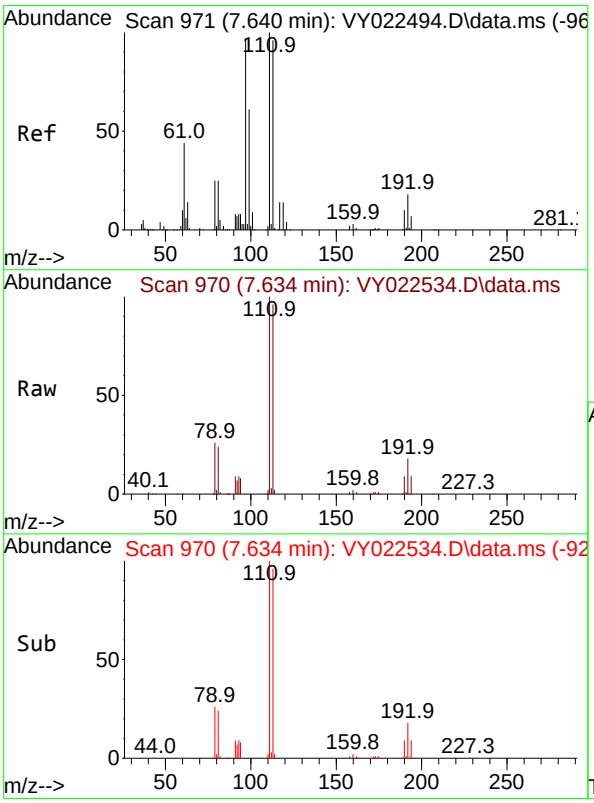
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Tgt Ion:114 Resp: 446768

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.8
88	13.6	0.0	27.8

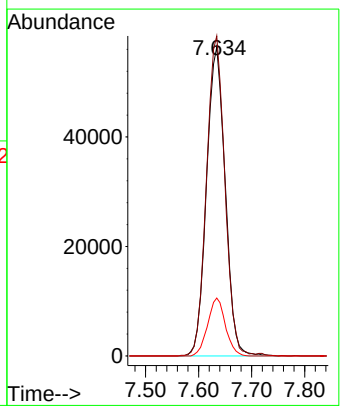


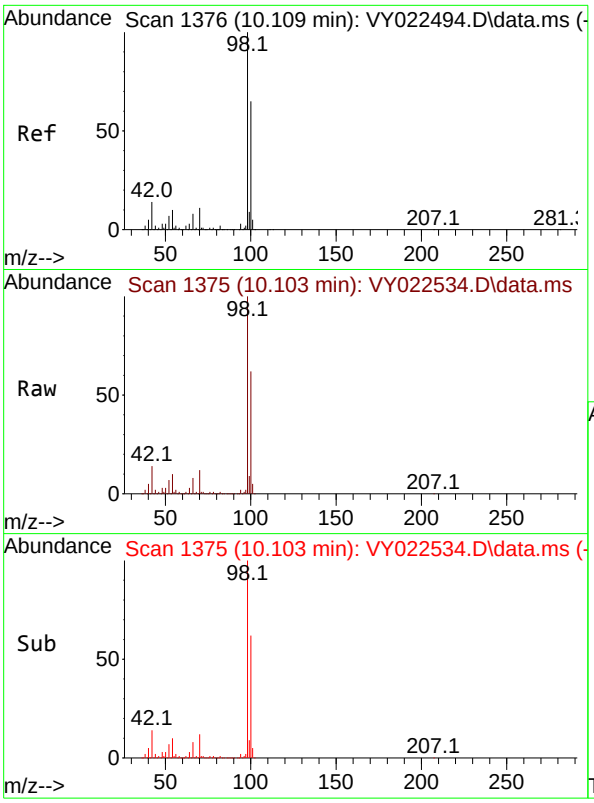


#35
Dibromofluoromethane
Concen: 51.730 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion:113 Resp: 137946

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.1	121.7
192	17.9	14.2	21.2



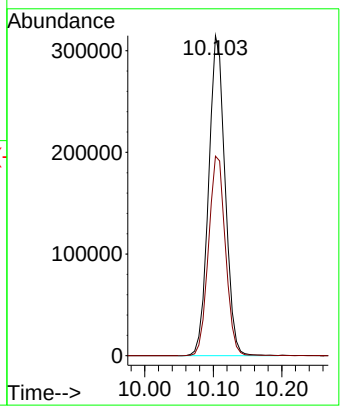


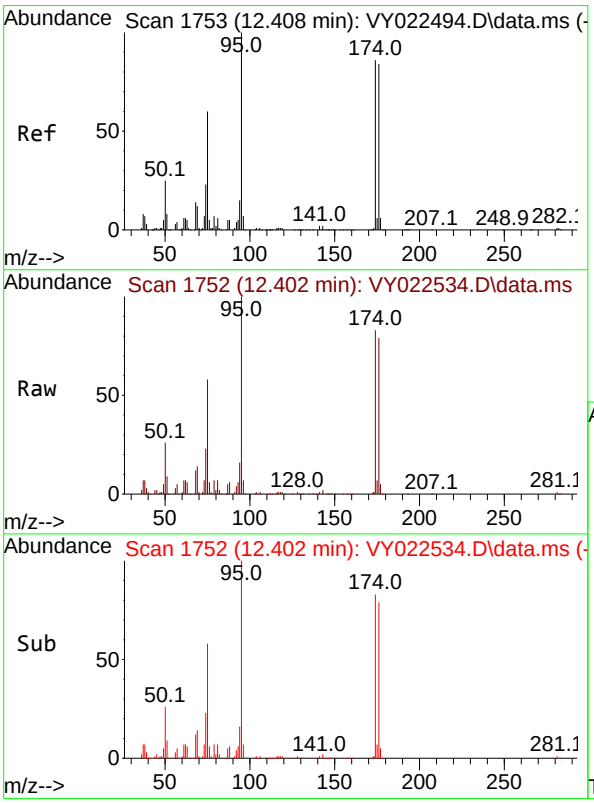
#50
Toluene-d8
Concen: 48.723 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Tgt Ion: 98 Resp: 524997

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.0

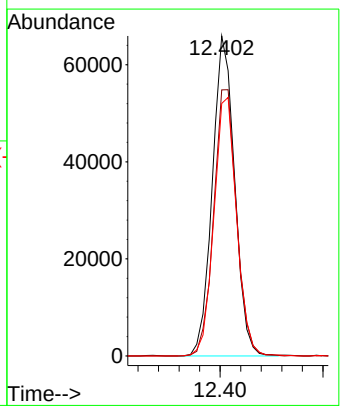


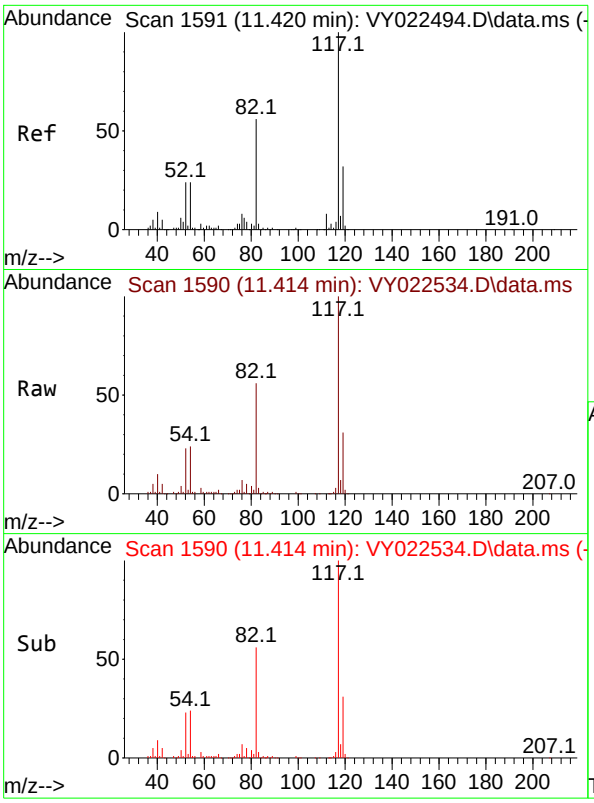


#62
4-Bromofluorobenzene
Concen: 30.820 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion: 95 Resp: 98946

Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	170.0
176	82.5	0.0	166.2



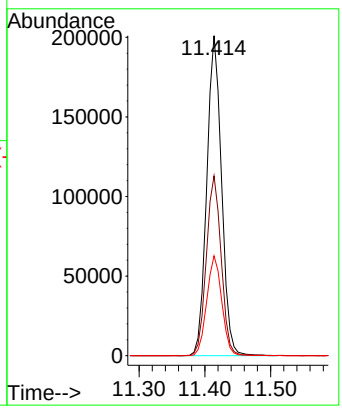


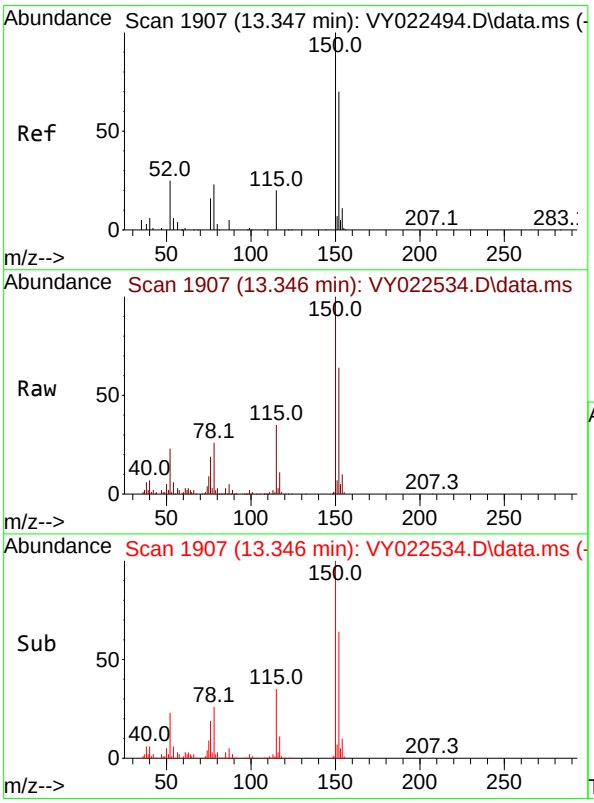
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Tgt Ion:117 Resp: 313918

Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.6	66.8
119	31.2	25.4	38.0

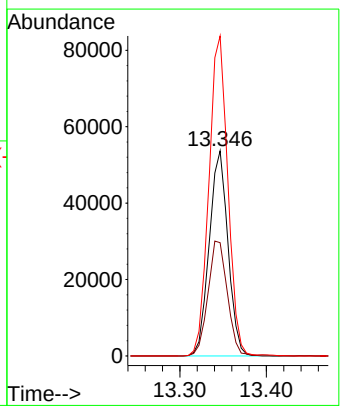




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion:152 Resp: 80935

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.9	86.7
150	157.2	0.0	349.6



Sample Results: **VY022534.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022534.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.123	51	66	67	rBV4	10980	43389	3.03%	0.676%
2	2.477	119	124	125	rBV3	11864	18153	1.27%	0.283%
3	4.610	466	474	484	rBV5	6431	19534	1.36%	0.304%
4	7.634	959	970	976	rBV	195026	479471	33.46%	7.471%
5	7.707	976	982	993	rVB	332337	753188	52.57%	11.737%
6	8.061	1031	1040	1052	rBV	175823	397045	27.71%	6.187%
7	8.610	1122	1130	1141	rBV	529629	1058403	73.87%	16.493%
8	10.103	1368	1375	1390	rBV	845479	1432795	100.00%	22.327%
9	11.414	1583	1590	1605	rVB	653434	1031616	72.00%	16.075%
10	12.402	1745	1752	1764	rVB	375110	573480	40.03%	8.936%
11	13.346	1900	1907	1914	rBV	341030	537377	37.51%	8.374%
12	13.883	1988	1995	2001	rVB2	45332	73002	5.10%	1.138%

Sum of corrected areas: 6417453

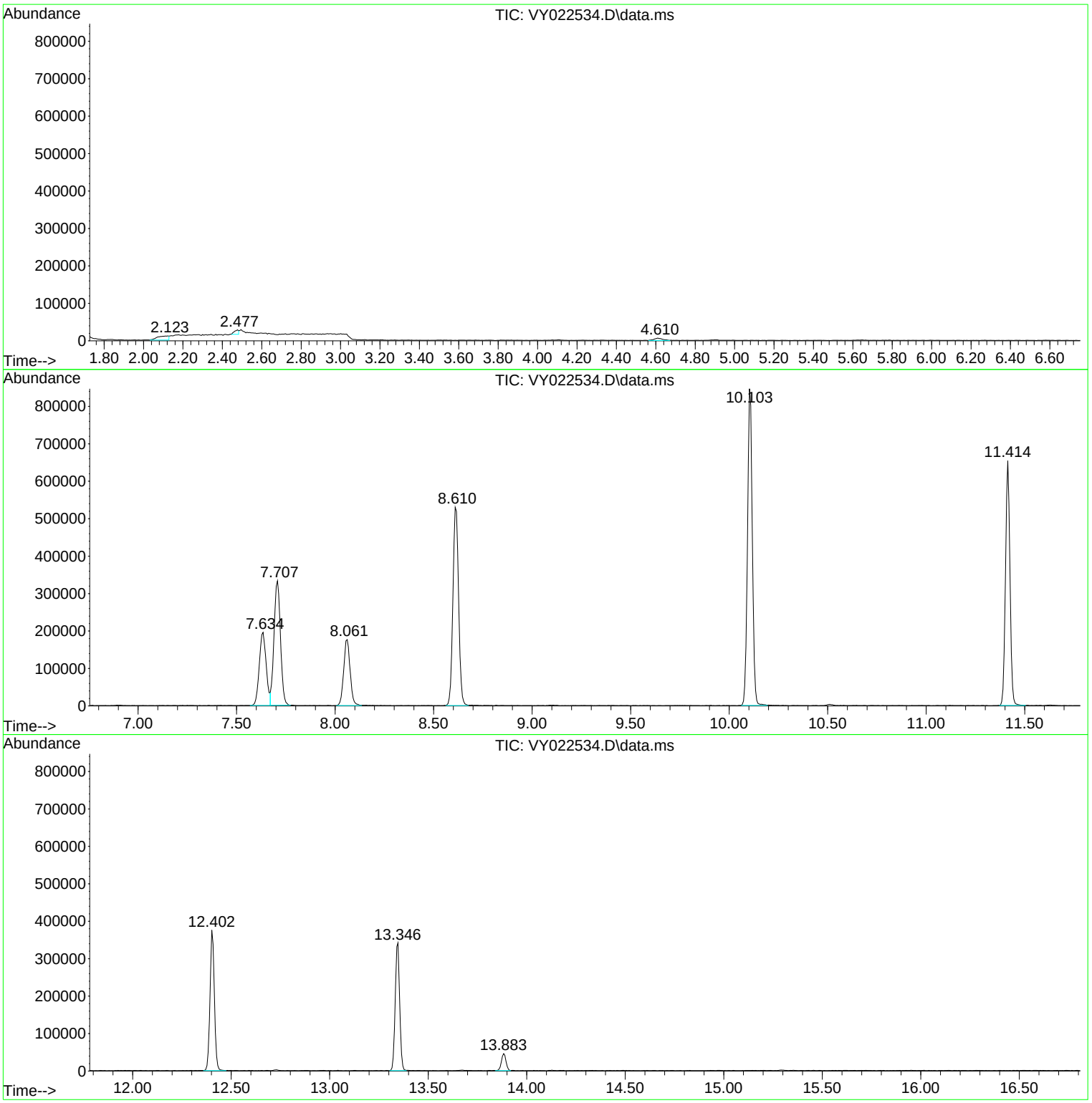
Sample Results: **VY022534.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY022534.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY022554.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.2
Sample Wt/Vol:	7.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022554.D	1		06/04/25 16:34	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.91	U	0.91	4.00	ug/Kg
74-87-3	Chloromethane	0.91	U	0.91	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.00	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.97	U	0.97	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.80	U	0.80	4.00	ug/Kg
67-64-1	Acetone	3.80	U	3.80	20.0	ug/Kg
75-15-0	Carbon Disulfide	0.85	U	0.85	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	4.00	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.00	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.64	U	0.64	4.00	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.00	ug/Kg
78-93-3	2-Butanone	5.20	U	5.20	20.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	U	0.78	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.00	ug/Kg
74-97-5	Bromochloromethane	0.92	U	0.92	4.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.00	ug/Kg
71-43-2	Benzene	0.63	U	0.63	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.63	U	0.63	4.00	ug/Kg
79-01-6	Trichloroethene	0.65	U	0.65	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.0	ug/Kg
108-88-3	Toluene	0.62	U	0.62	4.00	ug/Kg

Raw Data: **VY022554.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.2
Sample Wt/Vol:	7.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022554.D	1		06/04/25 16:34	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.0	ug/Kg
124-48-1	Dibromochloromethane	0.70	U	0.70	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.70	U	0.70	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.84	U	0.84	4.00	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.00	ug/Kg
179601-23-1	m/p-Xylenes	0.99	U	0.99	8.00	ug/Kg
95-47-6	o-Xylene	0.66	U	0.66	4.00	ug/Kg
100-42-5	Styrene	0.57	U	0.57	4.00	ug/Kg
75-25-2	Bromoform	0.69	U	0.69	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.62	U	0.62	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	2.50	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		70 (17) - 130 (146)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	261000	7.707			
540-36-3	1,4-Difluorobenzene	475000	8.609			
3114-55-4	Chlorobenzene-d5	387000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY022554.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.2
Sample Wt/Vol:	7.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022554.D	1		06/04/25 16:34	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
017301-94-9	Nonane, 4-methyl-	4.50	J		12.3	ug/Kg
000124-18-5	Decane	11.5	J		12.7	ug/Kg
001678-93-9	Cyclohexane, butyl-	4.40	J		13.2	ug/Kg
1000382-90-5	Carbonic acid, decyl prop-1-en-2-y	6.70	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	6.50	J		14.2	ug/Kg
000112-40-3	Dodecane	6.40	J		14.5	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	5.70	J		14.6	ug/Kg
1000351-74-9	unknown14.950	4.70	J		14.9	ug/Kg
004292-75-5	Cyclohexane, hexyl-	4.40	J		15.1	ug/Kg
1000309-19-3	Sulfurous acid, decyl 2-ethylhexyl	6.80	J		15.1	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Time: Jun 05 04:18:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	261314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	474753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	386745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152512	52.183	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.360%			
35) Dibromofluoromethane	7.634	113	144981	51.163	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.320%			
50) Toluene-d8	10.103	98	570663	49.840	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.680%			
62) 4-Bromofluorobenzene	12.401	95	146159	42.843	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.680%			

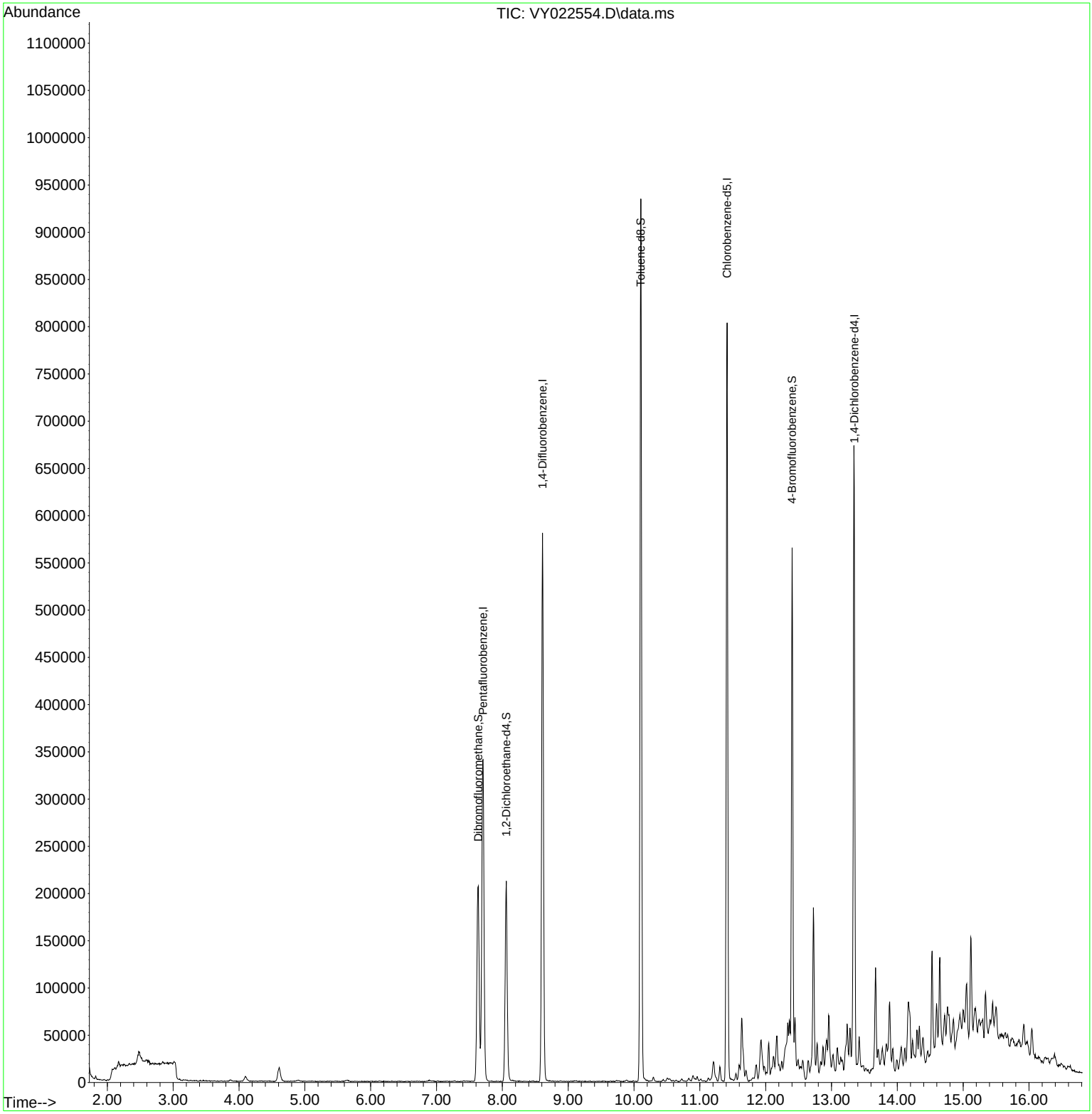
Target Compounds Qvalue

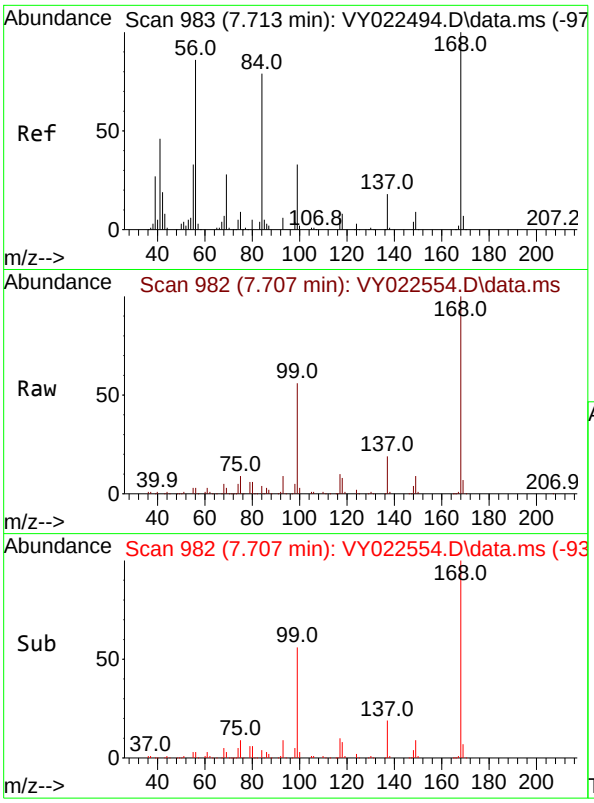
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Time: Jun 05 04:18:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



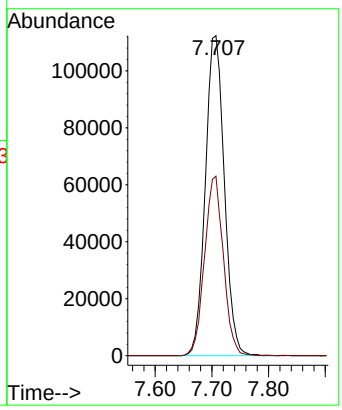


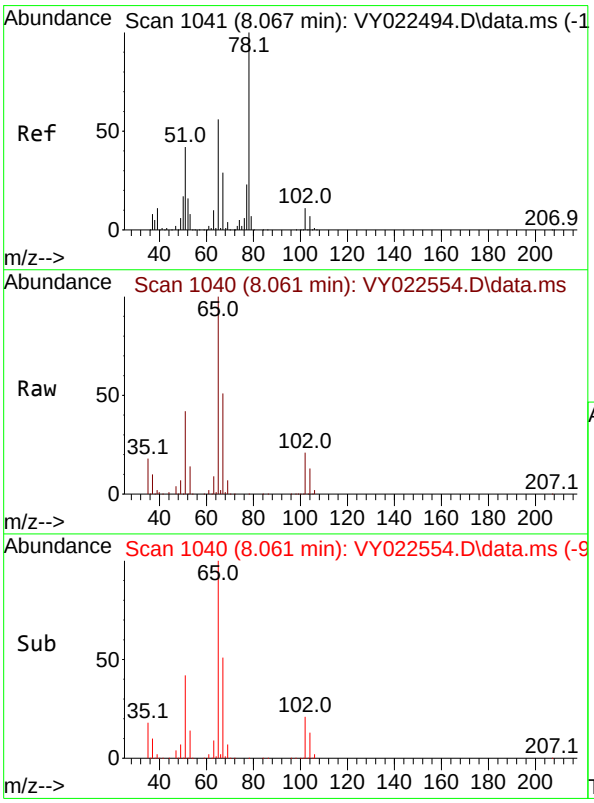
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Tgt Ion:168 Resp: 261314

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.3	66.5

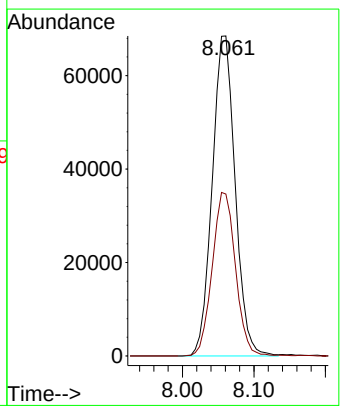


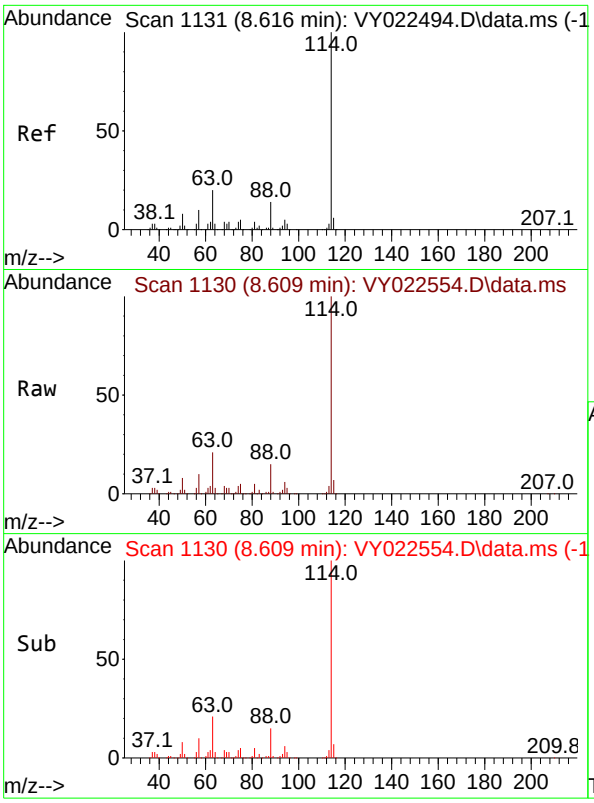


#33
1,2-Dichloroethane-d4
Concen: 52.183 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion: 65 Resp: 152512

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4



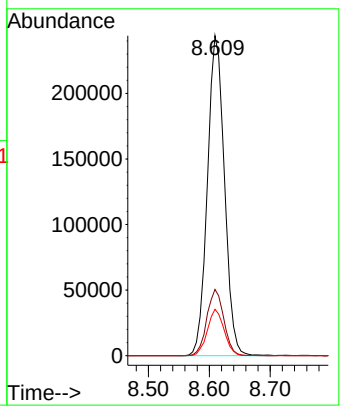


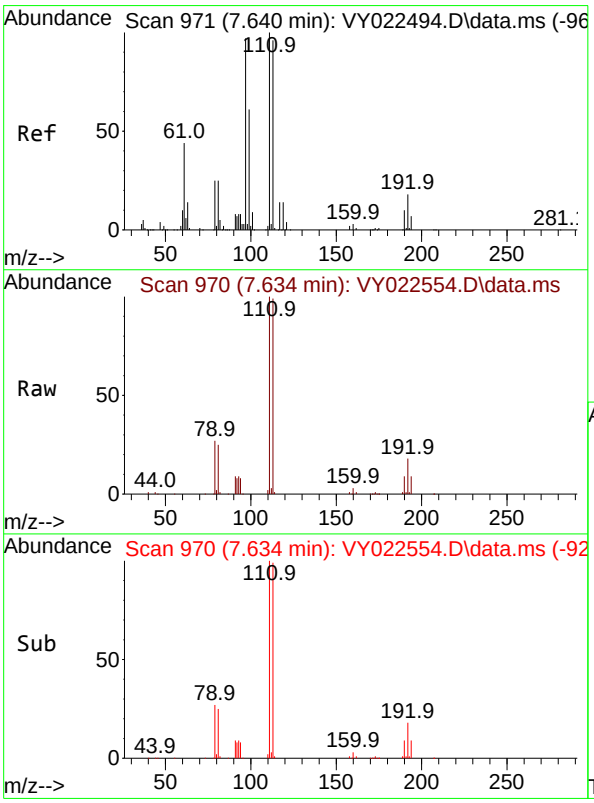
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Tgt Ion:114 Resp: 474753

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	14.5	0.0	27.8

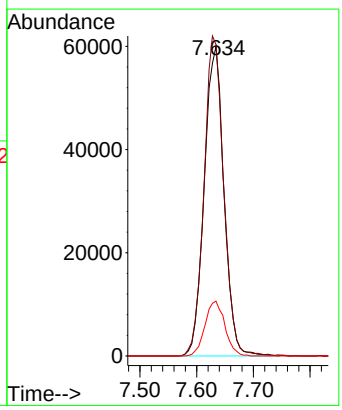


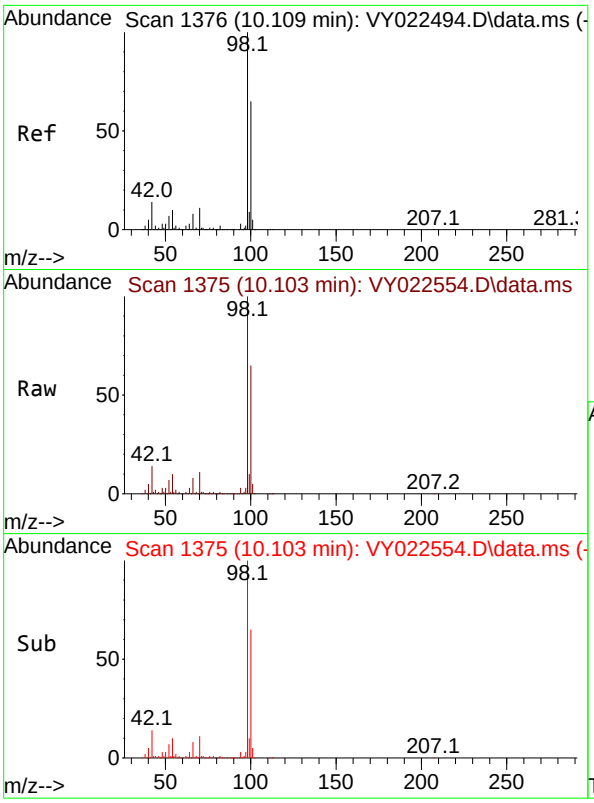


#35
Dibromofluoromethane
Concen: 51.163 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion:113 Resp: 144981

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.1	121.7
192	17.9	14.2	21.2



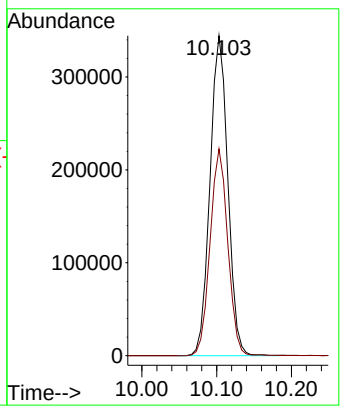


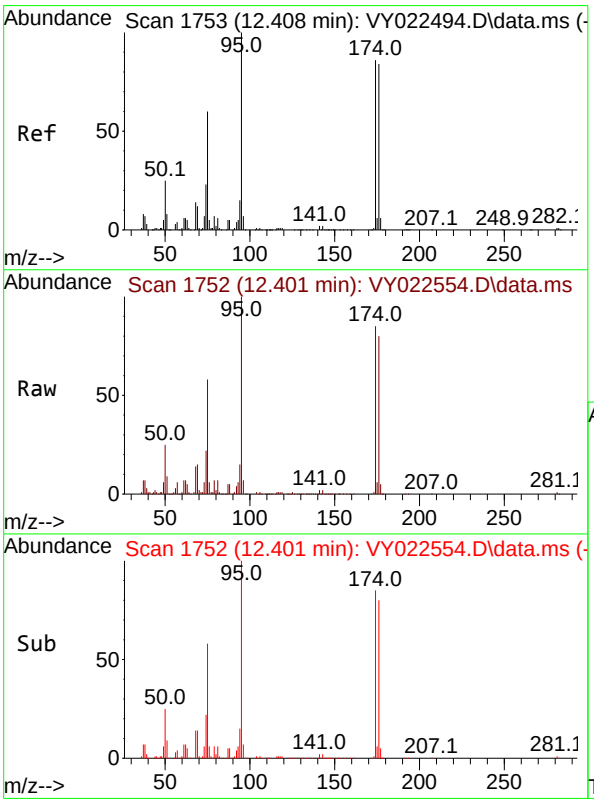
#50
Toluene-d8
Concen: 49.840 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Tgt Ion: 98 Resp: 570663

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

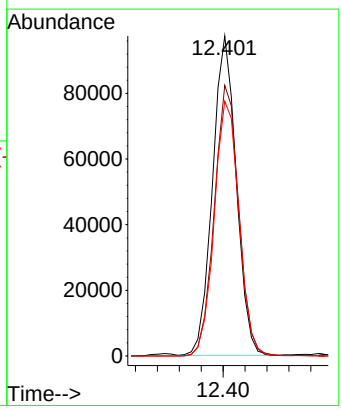


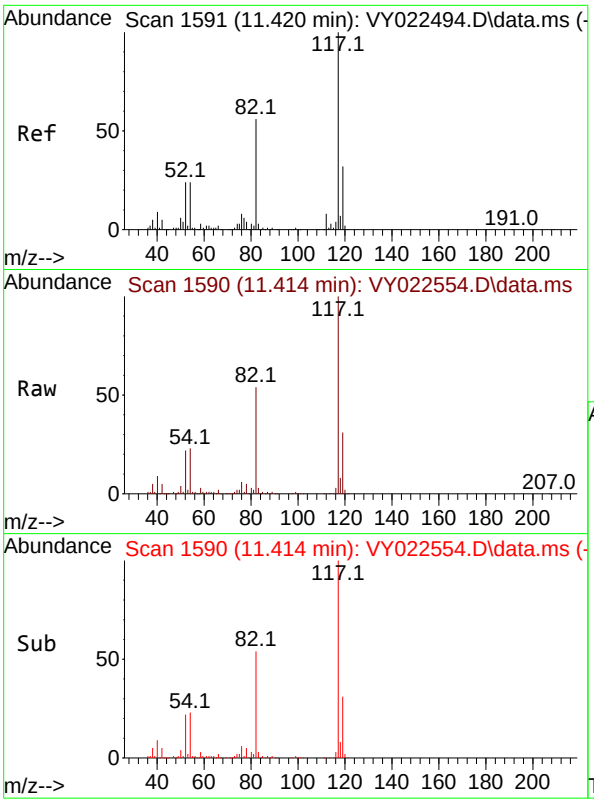


#62
4-Bromofluorobenzene
Concen: 42.843 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion: 95 Resp: 146159

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	170.0
176	83.4	0.0	166.2



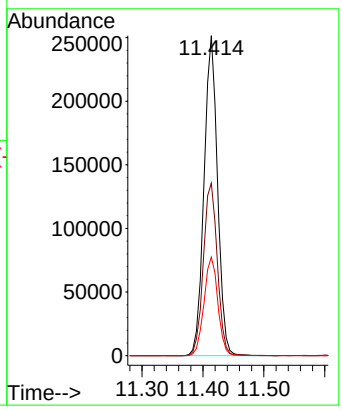


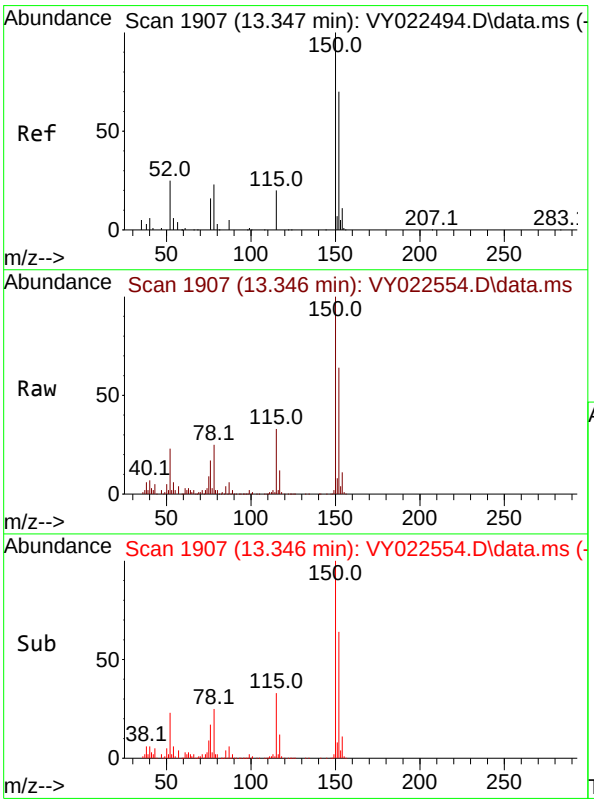
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Tgt Ion:117 Resp: 386745

Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.6	66.8
119	30.8	25.4	38.0

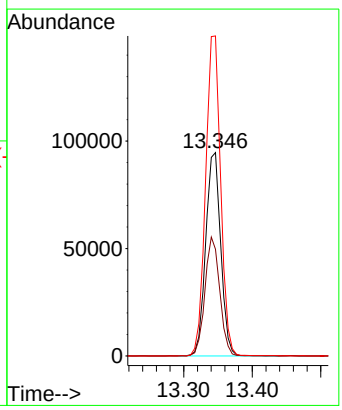




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion:152 Resp: 144573

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	157.4	0.0	349.6



Sample Results: **VY022554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022554.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	61	rBV5	11140	24531	1.57%	0.211%
2	4.610	464	474	488	rVB3	14744	44240	2.84%	0.380%
3	7.634	959	970	975	rBV	206595	498552	31.98%	4.285%
4	7.707	975	982	997	rVB	340662	801743	51.43%	6.891%
5	8.061	1031	1040	1052	rBV	212029	455536	29.22%	3.915%
6	8.609	1121	1130	1140	rBV	580880	1130879	72.55%	9.720%
7	10.103	1364	1375	1383	rBV	934383	1558851	100.00%	13.398%
8	11.206	1546	1556	1567	rVB4	20396	52024	3.34%	0.447%
9	11.304	1567	1572	1577	rBV2	15091	23227	1.49%	0.200%
10	11.414	1582	1590	1599	rBV	802989	1273247	81.68%	10.943%
11	11.597	1615	1620	1623	rVV2	16736	30137	1.93%	0.259%
12	11.633	1623	1626	1634	rVV2	66387	137883	8.85%	1.185%
13	11.700	1634	1637	1643	rVB3	11495	19584	1.26%	0.168%
14	11.859	1658	1663	1667	rVB2	14577	24107	1.55%	0.207%
15	11.932	1667	1675	1681	rBV4	40994	106263	6.82%	0.913%
16	12.048	1690	1694	1697	rVV	34356	47408	3.04%	0.407%
17	12.121	1697	1706	1709	rVV6	19439	44909	2.88%	0.386%
18	12.170	1709	1714	1718	rVV3	40281	77228	4.95%	0.664%
19	12.243	1722	1726	1729	rVV4	11936	18431	1.18%	0.158%
20	12.334	1729	1741	1743	rVV4	51577	144724	9.28%	1.244%
21	12.359	1743	1745	1748	rVV	53733	83205	5.34%	0.715%
22	12.401	1748	1752	1757	rVV	552978	849260	54.48%	7.299%
23	12.444	1757	1759	1763	rVV3	54923	69546	4.46%	0.598%
24	12.560	1776	1778	1785	rVB4	20163	35171	2.26%	0.302%
25	12.645	1785	1792	1796	rBV4	19797	39997	2.57%	0.344%
26	12.724	1796	1805	1811	rVV2	177738	298837	19.17%	2.568%
27	12.779	1811	1814	1819	rVB2	31705	47907	3.07%	0.412%
28	12.834	1819	1823	1825	rBV4	11662	16660	1.07%	0.143%
29	12.871	1825	1829	1832	rVV3	25597	40010	2.57%	0.344%
30	12.926	1832	1838	1840	rVV5	31415	62610	4.02%	0.538%
31	12.956	1840	1843	1850	rVV2	55717	94055	6.03%	0.808%
32	13.023	1850	1854	1860	rVB4	17368	29632	1.90%	0.255%
33	13.090	1860	1865	1870	rBV2	24635	46354	2.97%	0.398%
34	13.237	1880	1889	1893	rBV3	48915	113643	7.29%	0.977%
35	13.279	1893	1896	1899	rVV2	43580	65175	4.18%	0.560%
36	13.340	1899	1906	1913	rVV	659055	1039417	66.68%	8.934%

Sample Results: **VY022554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260

37	13.419	1915	1919	1926	rVB4	32135	46963	3.01%	0.404%
38	13.669	1954	1960	1964	rVV3	109043	172783	11.08%	1.485%
39	13.712	1964	1967	1971	rVV3	19330	28787	1.85%	0.247%
40	13.773	1971	1977	1982	rVB5	18984	33753	2.17%	0.290%
41	13.834	1982	1987	1989	rBV3	21933	38865	2.49%	0.334%
42	13.883	1990	1995	2000	rVB2	62906	102498	6.58%	0.881%
43	13.932	2000	2003	2009	rVB3	23841	34981	2.24%	0.301%
44	13.993	2009	2013	2017	rBV3	11949	20100	1.29%	0.173%
45	14.060	2017	2024	2029	rBV7	23448	51061	3.28%	0.439%
46	14.114	2029	2033	2036	rBV5	18100	26573	1.70%	0.228%
47	14.169	2036	2042	2049	rBV7	62400	168087	10.78%	1.445%
48	14.230	2049	2052	2059	rBV5	19264	28086	1.80%	0.241%
49	14.297	2059	2063	2066	rBV4	29262	39486	2.53%	0.339%
50	14.334	2066	2069	2073	rVB3	31688	41695	2.67%	0.358%
51	14.389	2073	2078	2084	rVB6	26367	54926	3.52%	0.472%
52	14.462	2086	2090	2093	rBV6	11209	19240	1.23%	0.165%
53	14.529	2096	2101	2107	rBV2	110184	167222	10.73%	1.437%
54	14.596	2107	2112	2115	rBV3	46165	68573	4.40%	0.589%
55	14.645	2115	2120	2127	rVB2	92167	147770	9.48%	1.270%
56	14.718	2127	2132	2135	rBV5	30858	55734	3.58%	0.479%
57	14.761	2135	2139	2142	rBV5	30310	48718	3.13%	0.419%
58	14.852	2151	2154	2158	rVB6	30620	45754	2.94%	0.393%
59	14.950	2158	2170	2174	rBV9	35666	122046	7.83%	1.049%
60	14.998	2175	2178	2182	rVV5	33250	65105	4.18%	0.560%
61	15.053	2182	2187	2192	rVV3	58248	113337	7.27%	0.974%
62	15.114	2192	2197	2203	rVV2	105952	175391	11.25%	1.507%
63	15.187	2203	2209	2214	rVB8	25654	64366	4.13%	0.553%
64	15.340	2230	2234	2241	rBV3	47937	86273	5.53%	0.741%
65	15.450	2249	2252	2255	rVB3	24812	28555	1.83%	0.245%
66	15.919	2325	2329	2334	rVB2	21239	34219	2.20%	0.294%
67	16.041	2345	2349	2357	rVB2	30379	59074	3.79%	0.508%

Sum of corrected areas: 11635004

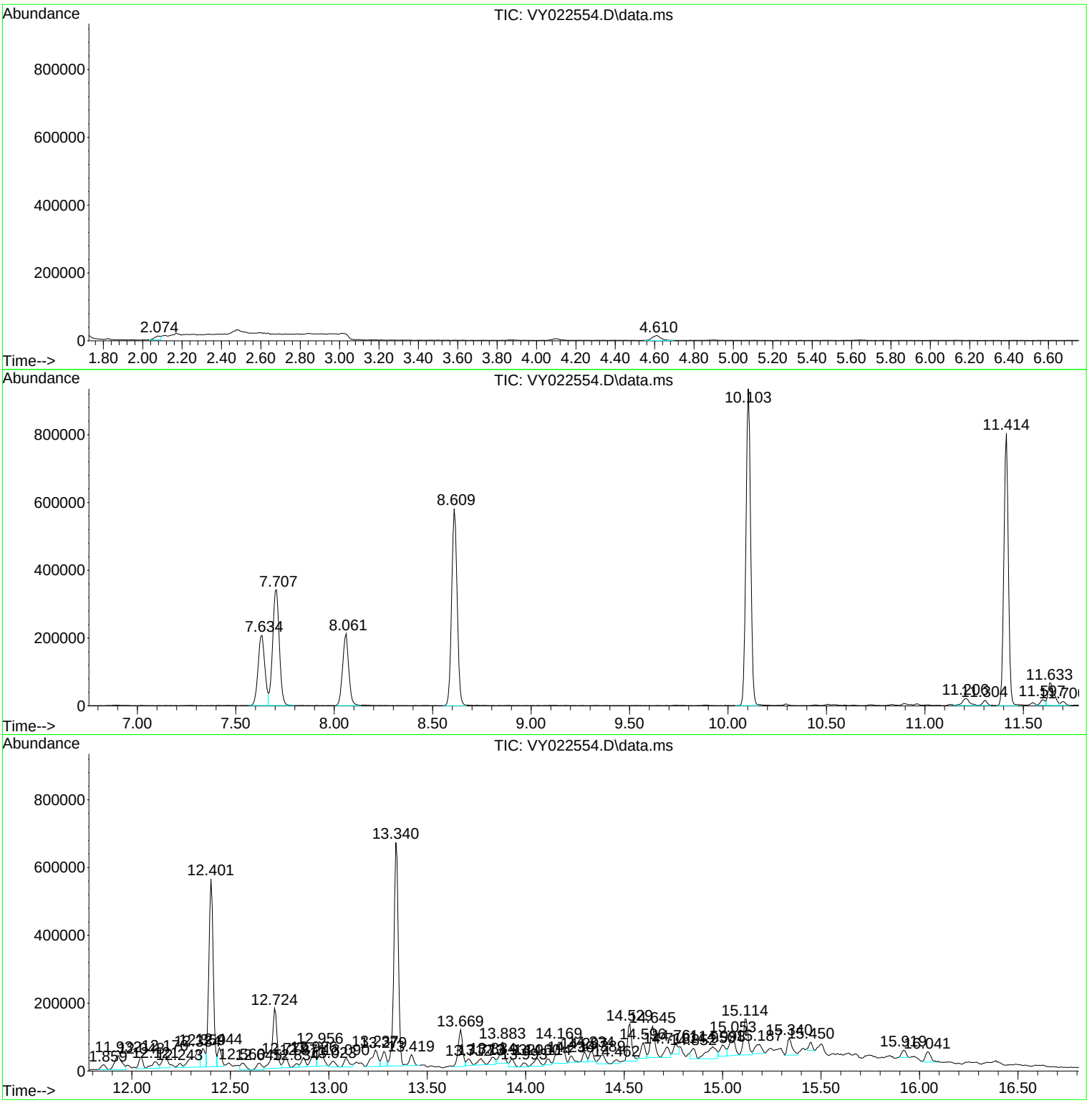
Sample Results: **VY022554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

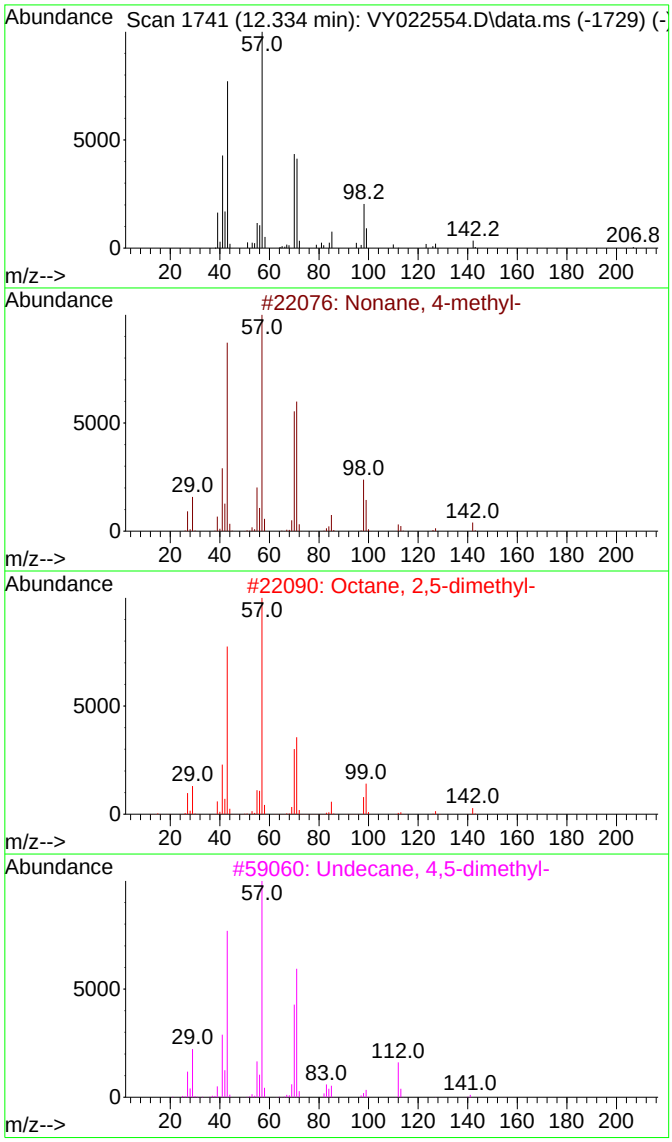
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

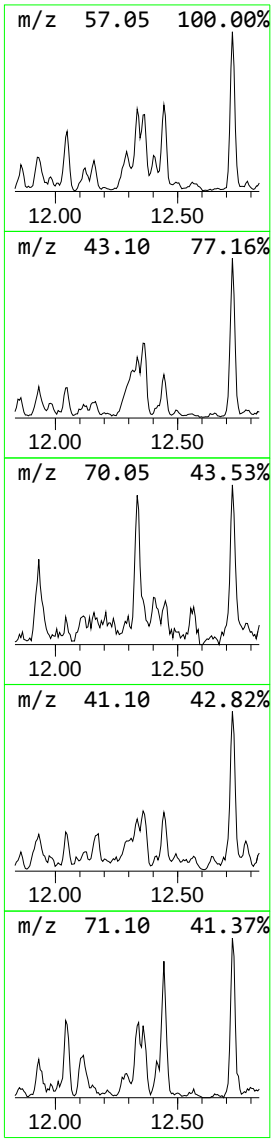
****

Peak Number 1 Nonane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.334	5.68 ug/l	144724	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	91
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	74
3	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	64
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	50





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Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

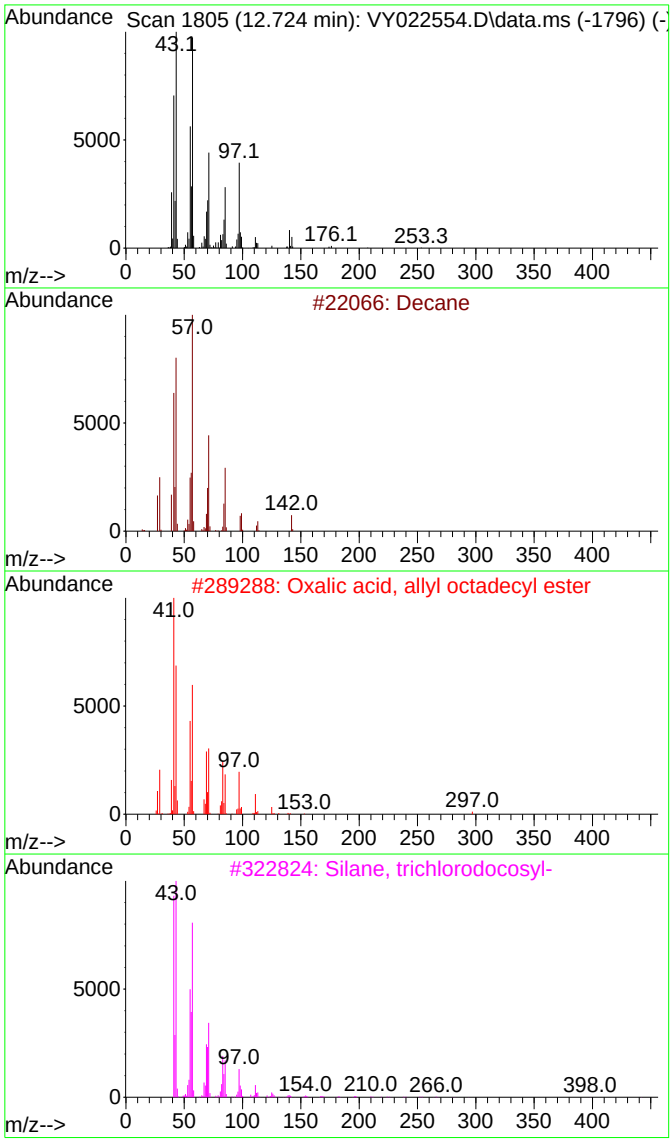
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

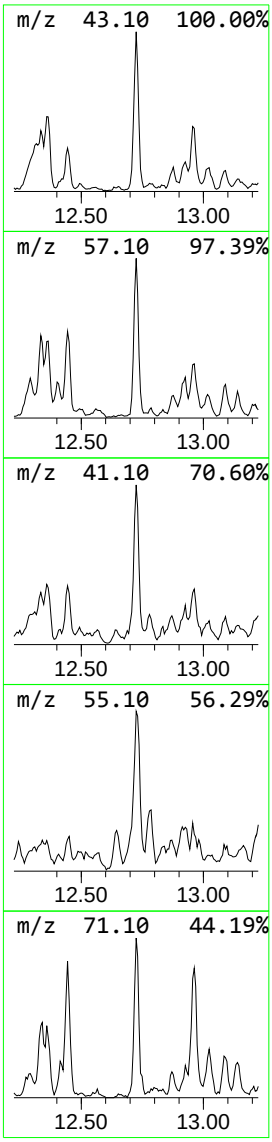
****

Peak Number 2 Decane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.725	14.38 ug/l	298837	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	89
2	Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	59
3	Silane, trichlorodocosyl-	442	C22H45Cl3Si	007325-84-0	47
4	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	38
5	Oxalic acid, heptyl isohexyl ester	272	C15H28O4	1000309-33-1	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

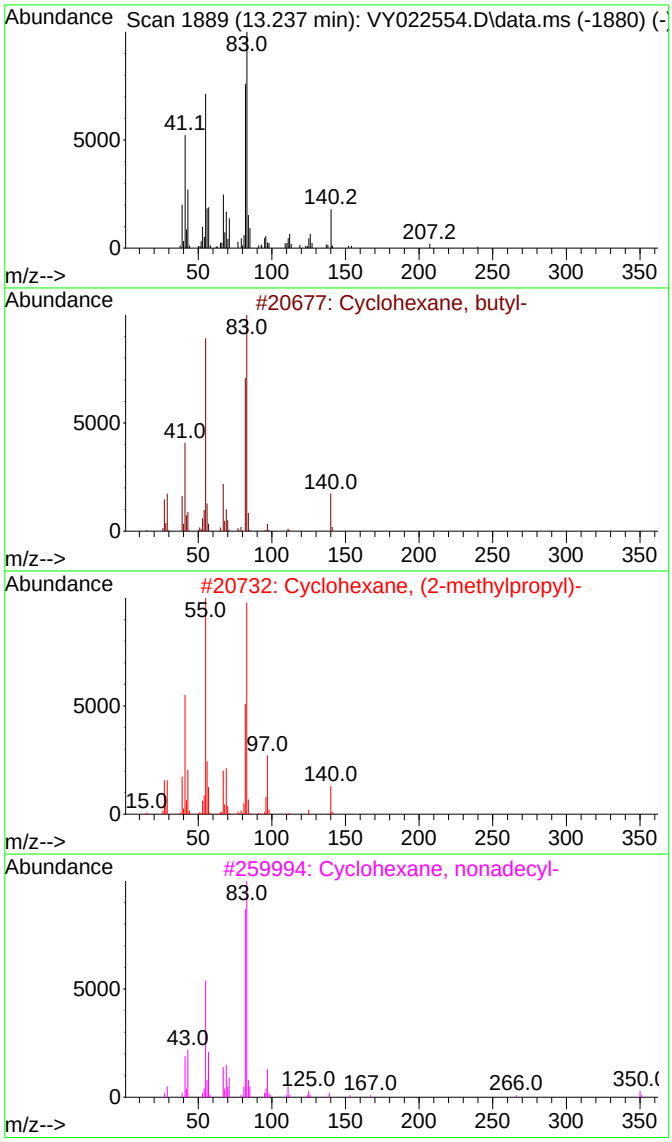
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

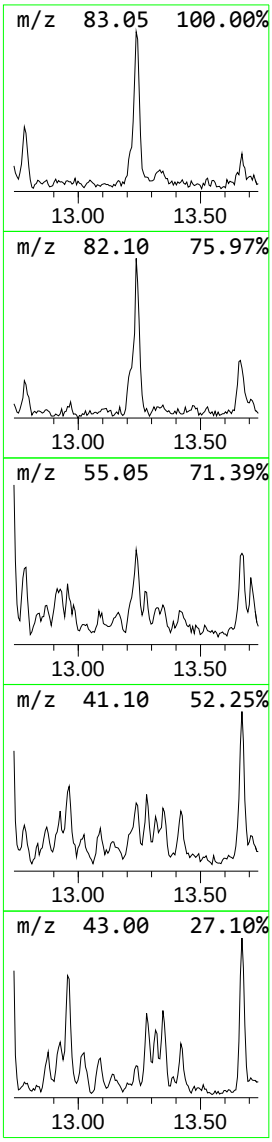
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.237	5.47 ug/l	113643	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
3	Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	80
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	80
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

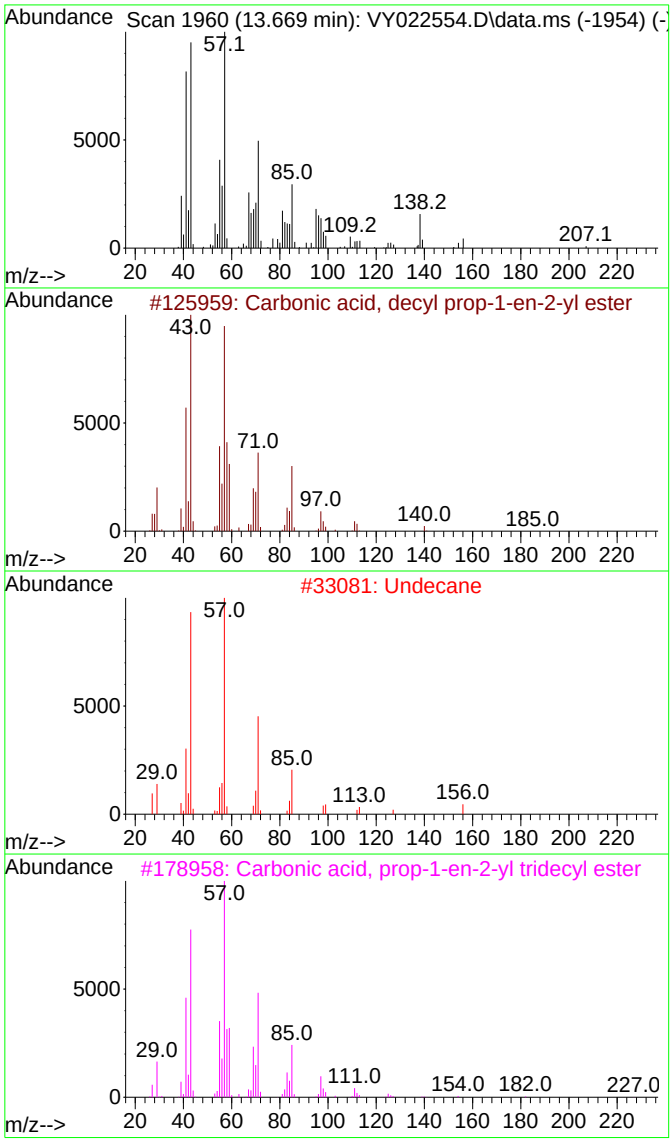
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

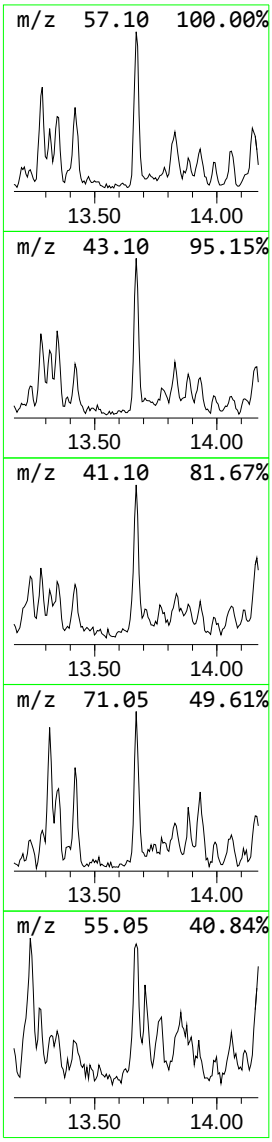
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Carbonic acid, decyl prop-1... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.669	8.31 ug/l	172783	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, decyl prop-1-en-2...	242	C14H26O3	1000382-90-5	58
2	Undecane	156	C11H24	001120-21-4	55
3	Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	52
4	Carbonic acid, nonyl prop-1-en-2...	228	C13H24O3	1000382-53-9	52
5	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

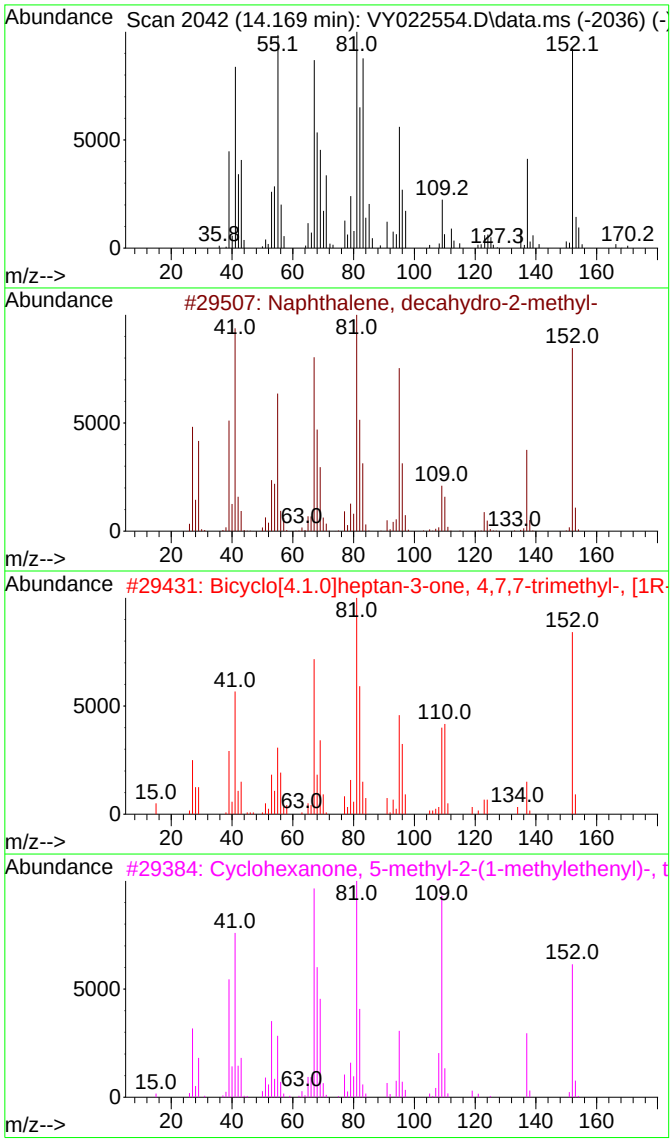
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

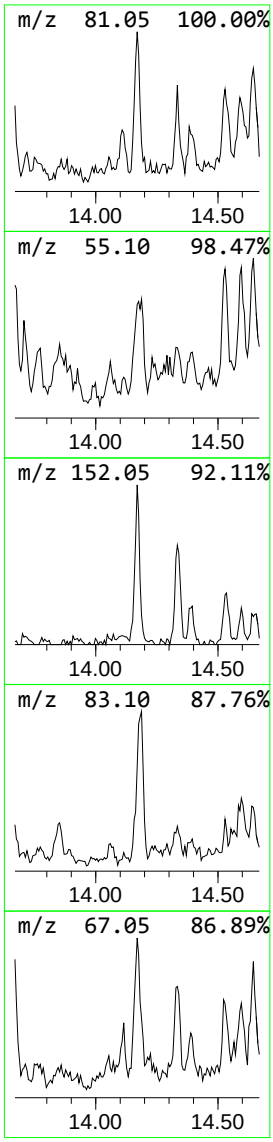
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	8.09 ug/l	168087	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
2	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	83
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	029606-79-9	60
4	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	58
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	52





Sample Results: **VY022554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
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Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

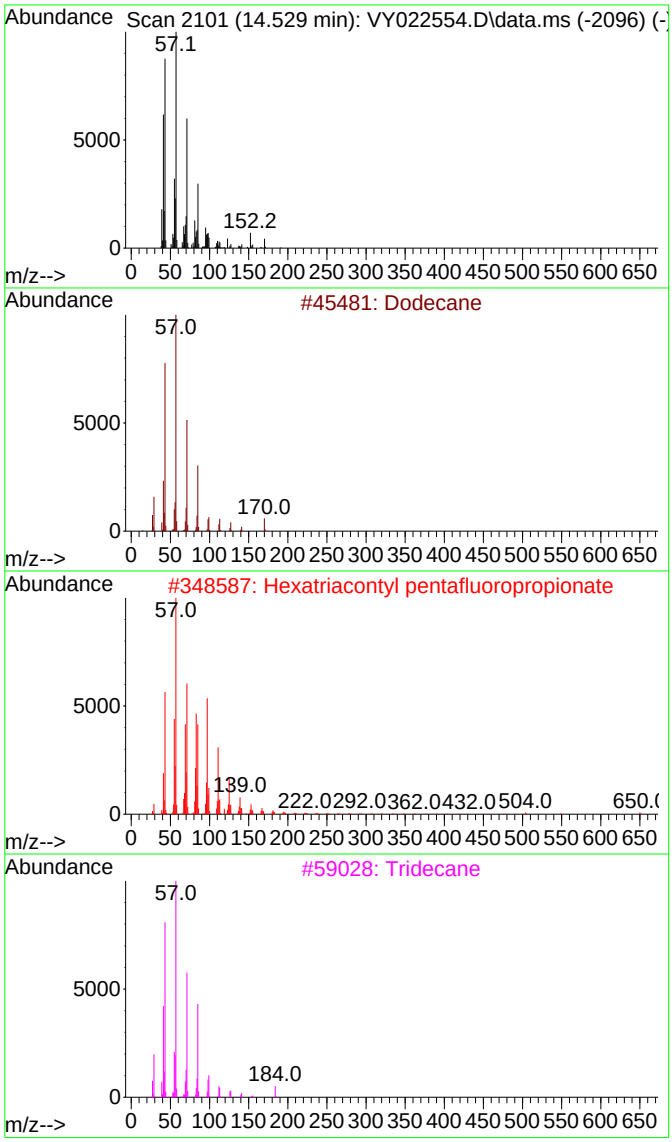
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

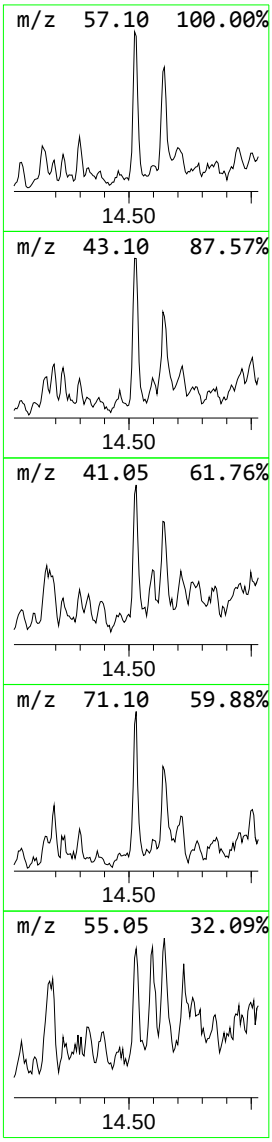
****

Peak Number 6 Dodecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.529	8.04 ug/l	167222	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	76
2	Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	64
3	Tridecane	184	C13H28	000629-50-5	59
4	Hexadecane	226	C16H34	000544-76-3	58
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

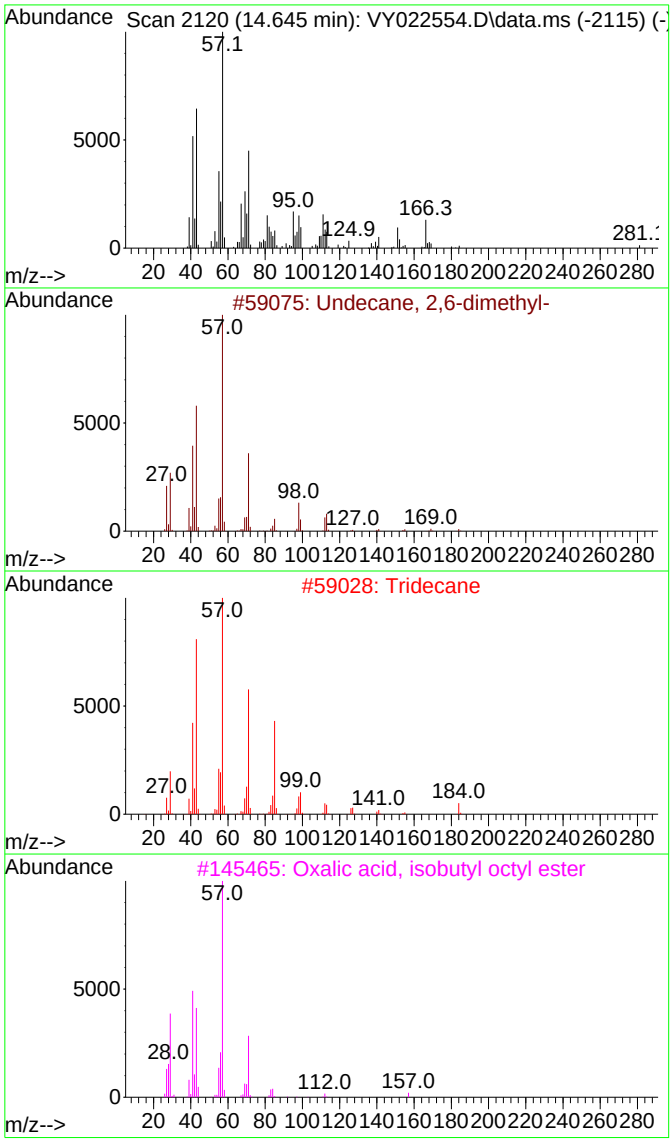
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

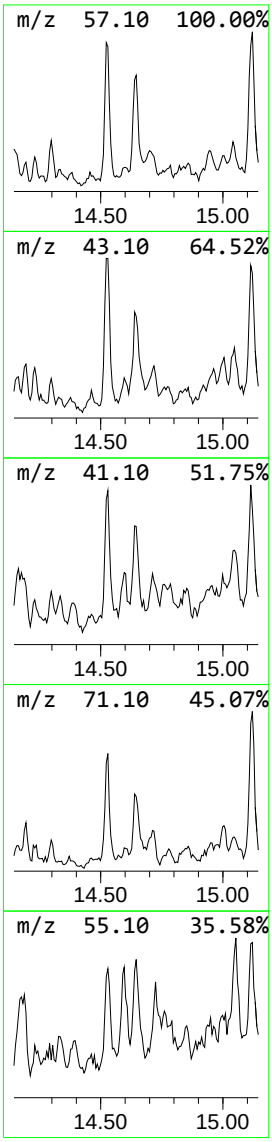
****

Peak Number 7 Undecane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	7.11 ug/l	147770	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	60
2	Tridecane	184	C13H28	000629-50-5	47
3	Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	38
4	Heptadecane	240	C17H36	000629-78-7	38
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	38





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Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

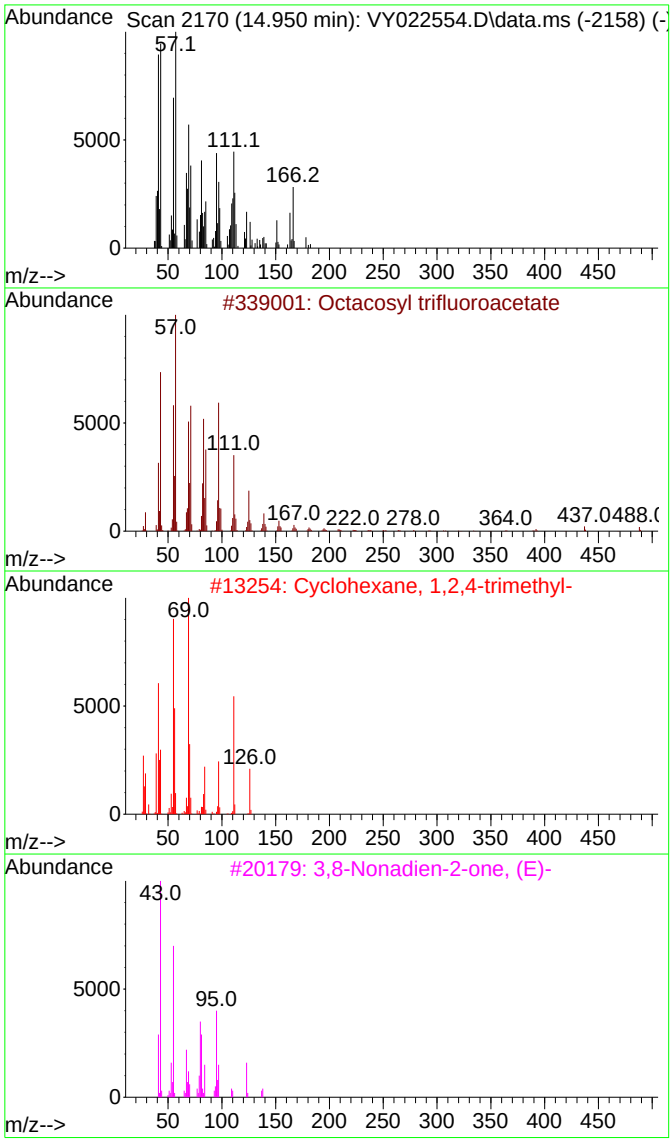
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

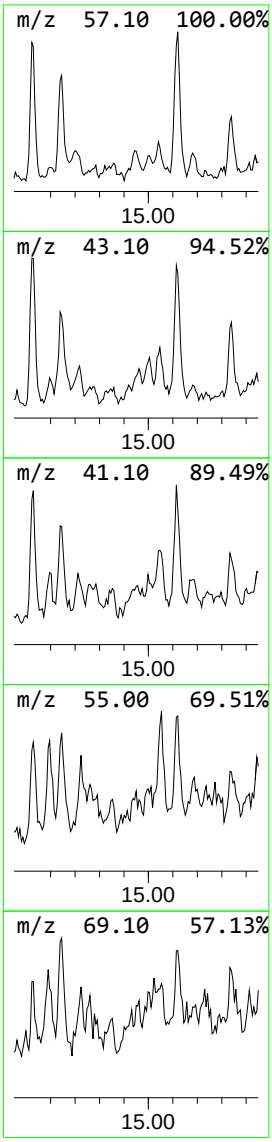
****

Peak Number 8 unknown14.950 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.950	5.87 ug/l	122046	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	27
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	25
3	3,8-Nonadien-2-one, (E)-	138	C9H14O	055282-90-1	25
4	1-Hexene-3,5-dione	112	C6H8O2	052204-69-0	18
5	Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	14





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Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

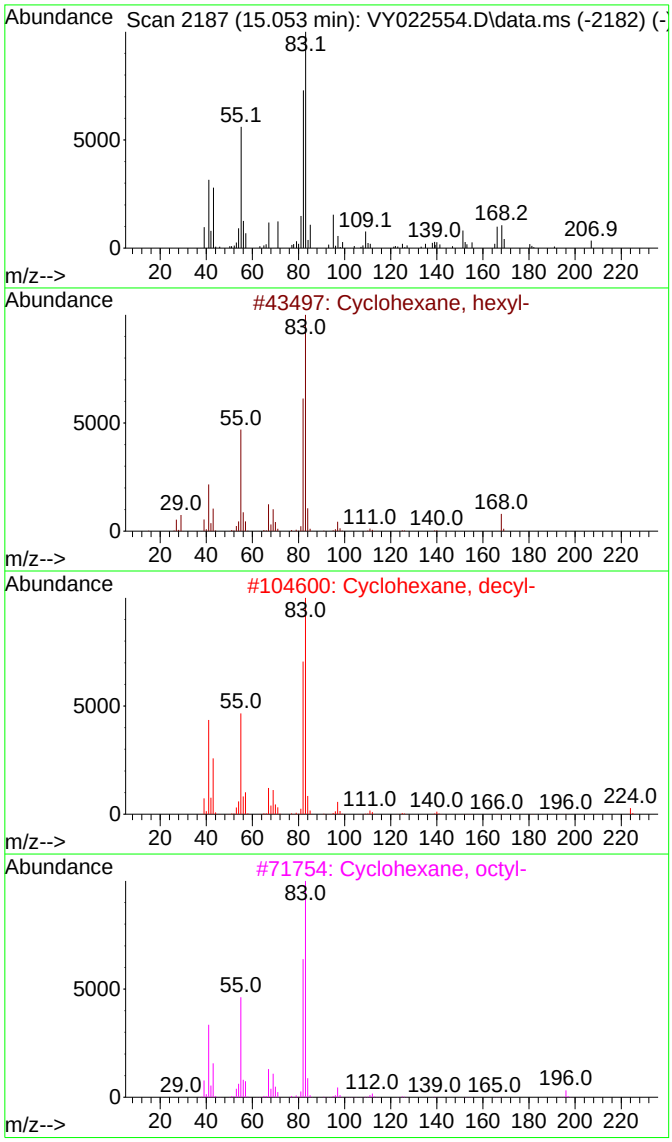
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

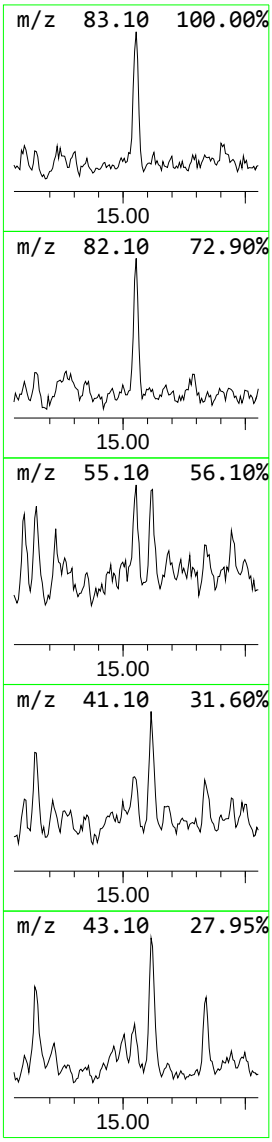
****

Peak Number 9 Cyclohexane, hexyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.053	5.45 ug/l	113337	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	64
2	Cyclohexane, decyl-	224	C16H32	001795-16-0	50
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	50
4	Acetamide, n-propyl-2-(4H-[1,2,4...	168	C7H12N4O	1000302-15-8	47
5	2H-Quinolizine-1-methanol, octah...	169	C10H19NO	000486-70-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

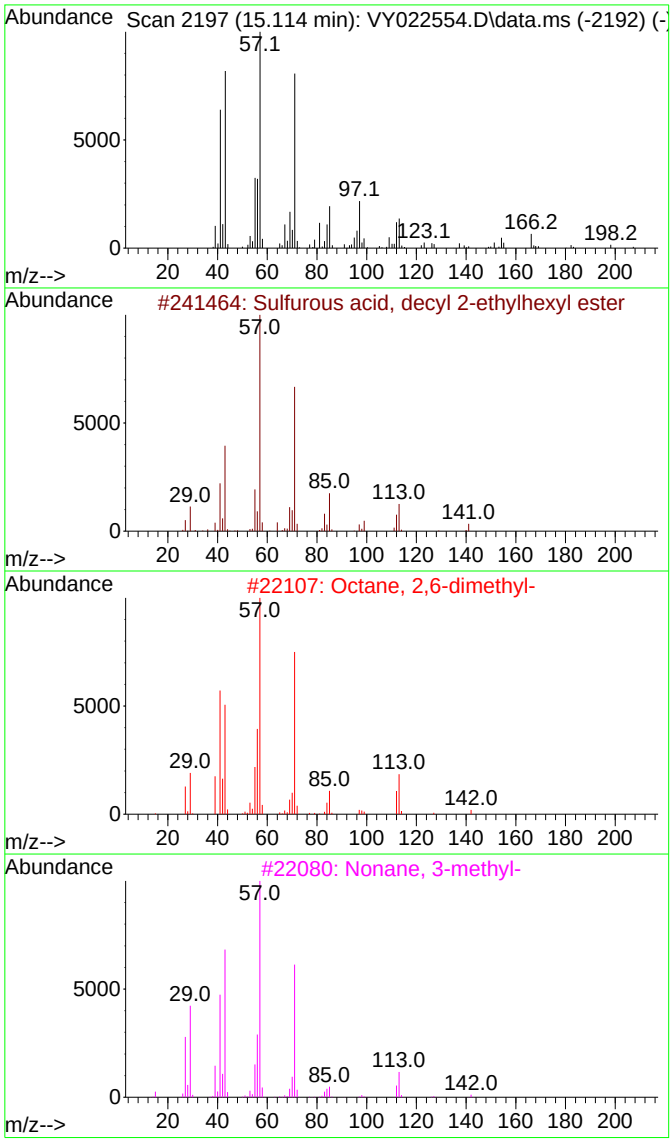
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

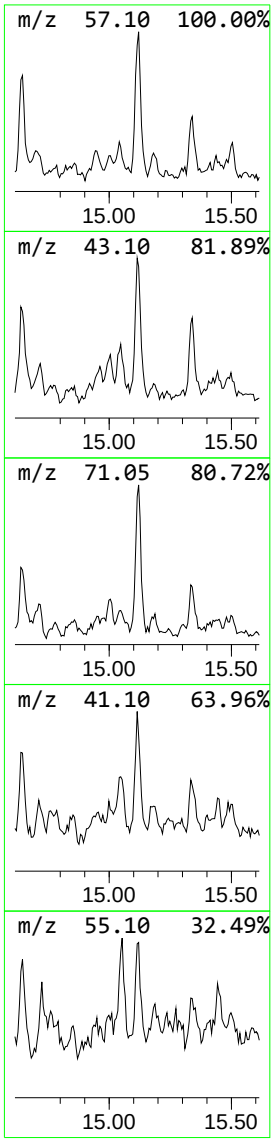
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Sulfurous acid, decyl 2-eth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.114	8.44 ug/l	175391	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	59
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
4	3-Bromooctane	192	C8H17Br	000999-64-4	49
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Nonane, 4-methyl-	12.334	5.7	ug/l	144724	3	11.414	1273250	50.0
Decane	12.725	14.4	ug/l	298837	4	13.346	1039420	50.0
Cyclohexane, bu...	13.237	5.5	ug/l	113643	4	13.346	1039420	50.0
Carbonic acid, ...	13.669	8.3	ug/l	172783	4	13.346	1039420	50.0
Naphthalene, de...	14.169	8.1	ug/l	168087	4	13.346	1039420	50.0
Dodecane	14.529	8.0	ug/l	167222	4	13.346	1039420	50.0
Undecane, 2,6-d...	14.645	7.1	ug/l	147770	4	13.346	1039420	50.0
unknown14.950	14.950	5.9	ug/l	122046	4	13.346	1039420	50.0
Cyclohexane, he...	15.053	5.5	ug/l	113337	4	13.346	1039420	50.0
Sulfurous acid,...	15.114	8.4	ug/l	175391	4	13.346	1039420	50.0

Raw Data: **VY022555.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	62.8
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022555.D	1		06/04/25 16:58	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	6.20	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.20	ug/Kg
75-01-4	Vinyl Chloride	0.99	U	0.99	6.20	ug/Kg
74-83-9	Bromomethane	1.30	U	1.30	6.20	ug/Kg
75-00-3	Chloroethane	1.60	U	1.60	6.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.50	U	1.50	6.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	6.20	ug/Kg
67-64-1	Acetone	66.4		5.90	31.2	ug/Kg
75-15-0	Carbon Disulfide	3.20	J	1.30	6.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.91	U	0.91	6.20	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	6.20	ug/Kg
75-09-2	Methylene Chloride	4.40	U	4.40	12.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.20	ug/Kg
75-34-3	1,1-Dichloroethane	1.00	U	1.00	6.20	ug/Kg
110-82-7	Cyclohexane	0.99	U	0.99	6.20	ug/Kg
78-93-3	2-Butanone	11.1	J	8.20	31.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.94	U	0.94	6.20	ug/Kg
74-97-5	Bromochloromethane	1.40	U	1.40	6.20	ug/Kg
67-66-3	Chloroform	1.00	U	1.00	6.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.20	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.20	ug/Kg
71-43-2	Benzene	0.99	U	0.99	6.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.99	U	0.99	6.20	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.20	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	6.20	ug/Kg
75-27-4	Bromodichloromethane	0.97	U	0.97	6.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.50	U	4.50	31.2	ug/Kg
108-88-3	Toluene	1.50	J	0.97	6.20	ug/Kg

Raw Data: **VY022555.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	62.8
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022555.D	1		06/04/25 16:58	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.81	U	0.81	6.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.77	U	0.77	6.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.20	ug/Kg
591-78-6	2-Hexanone	4.60	U	4.60	31.2	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	6.20	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.20	ug/Kg
127-18-4	Tetrachloroethene	1.30	U	1.30	6.20	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	6.20	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	6.20	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	12.5	ug/Kg
95-47-6	o-Xylene	1.00	U	1.00	6.20	ug/Kg
100-42-5	Styrene	0.89	U	0.89	6.20	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.20	ug/Kg
98-82-8	Isopropylbenzene	0.97	U	0.97	6.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	2.10	6.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.90	6.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.80	6.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	2.30	6.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	3.70	6.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.00	U	4.00	6.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.1	*	70 (17) - 130 (146)	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281000	7.707			
540-36-3	1,4-Difluorobenzene	498000	8.609			
3114-55-4	Chlorobenzene-d5	360000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY022555.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	62.8
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022555.D	1		06/04/25 16:58	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000080-56-8	.alpha.-Pinene	62.5	J		12.3	ug/Kg
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl	62.5	J		13.3	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Quant Time: Jun 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

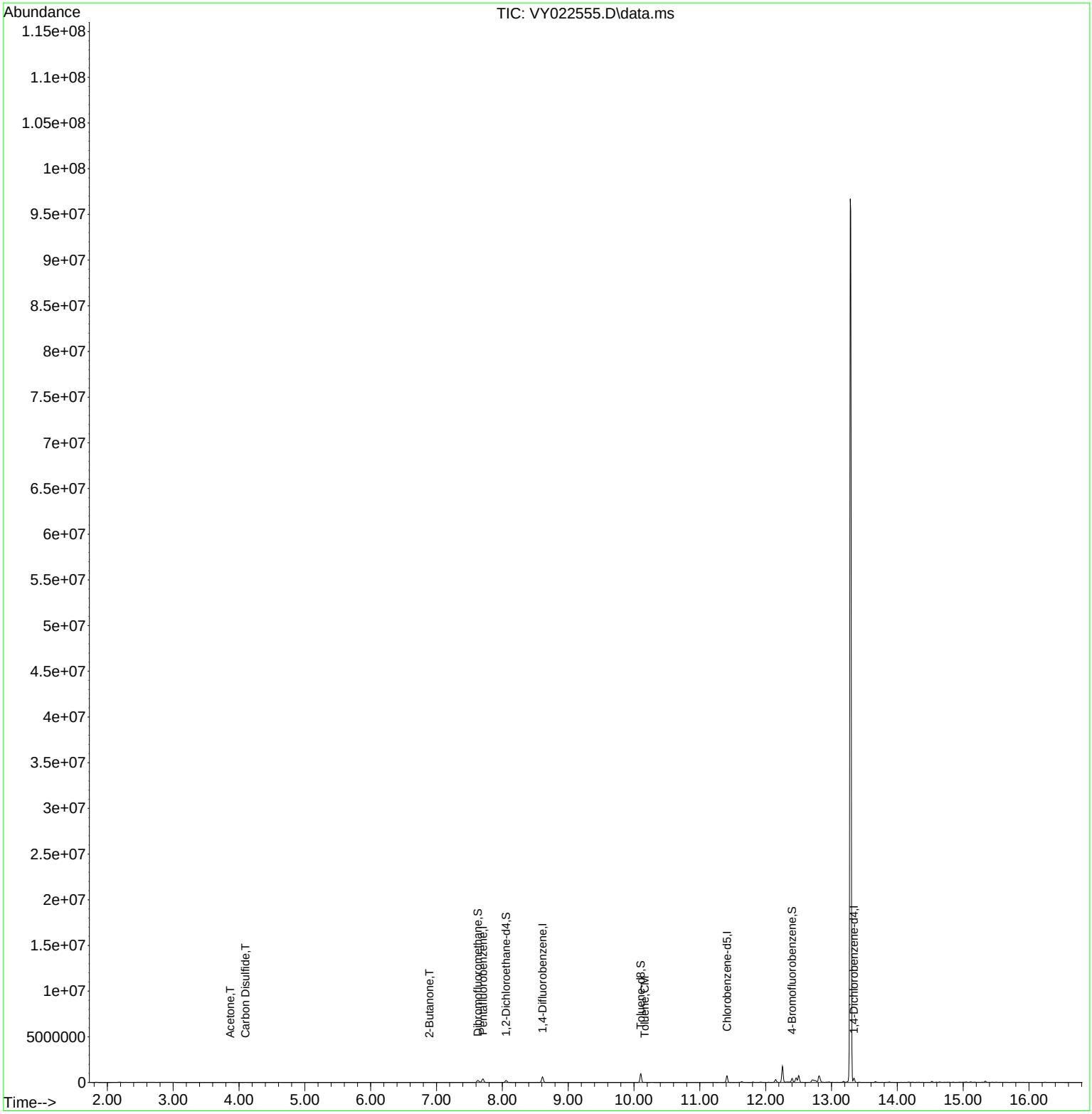
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	280753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	497958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	360175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	103121	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	163448	52.052	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.100%			
35) Dibromofluoromethane	7.628	113	154902	52.117	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.240%			
50) Toluene-d8	10.103	98	596438	49.663	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.320%			
62) 4-Bromofluorobenzene	12.401	95	118458	33.105	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 66.200%			
Target Compounds						Qvalue
16) Acetone	3.866	43	33897	53.155	ug/l	97
17) Carbon Disulfide	4.098	76	24493	2.598	ug/l	98
25) 2-Butanone	6.890	43	8145	8.855	ug/l #	82
52) Toluene	10.164	92	10437	1.166	ug/l	99

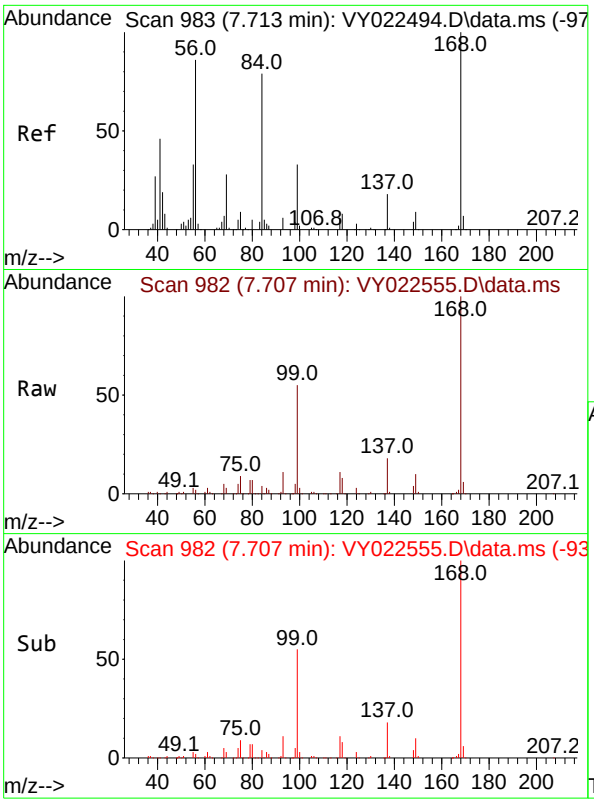
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Quant Time: Jun 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



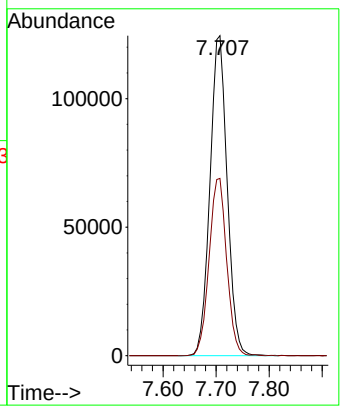


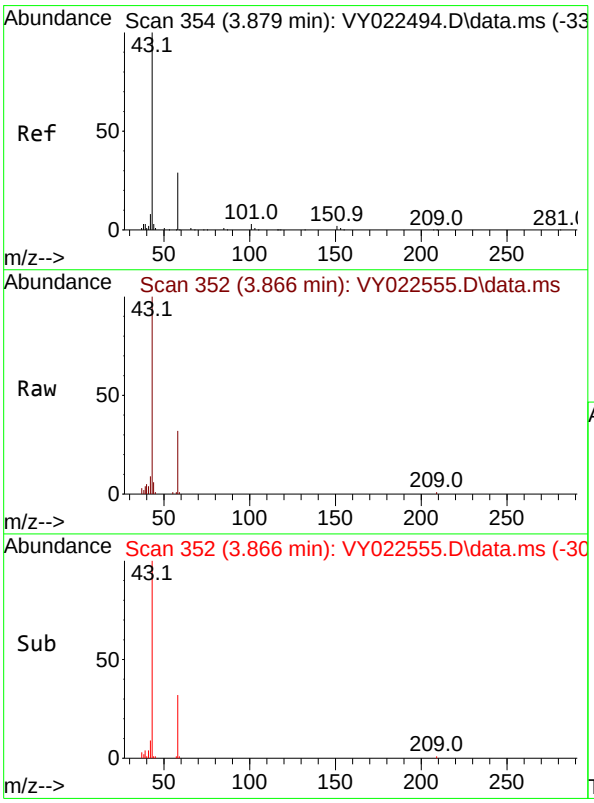
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion:168 Resp: 280753

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.3	66.5

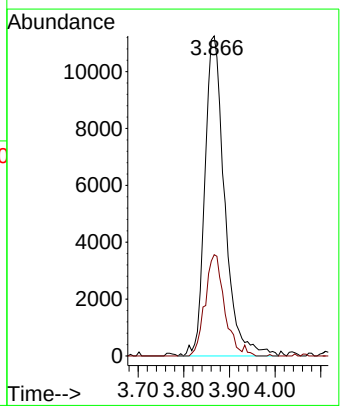


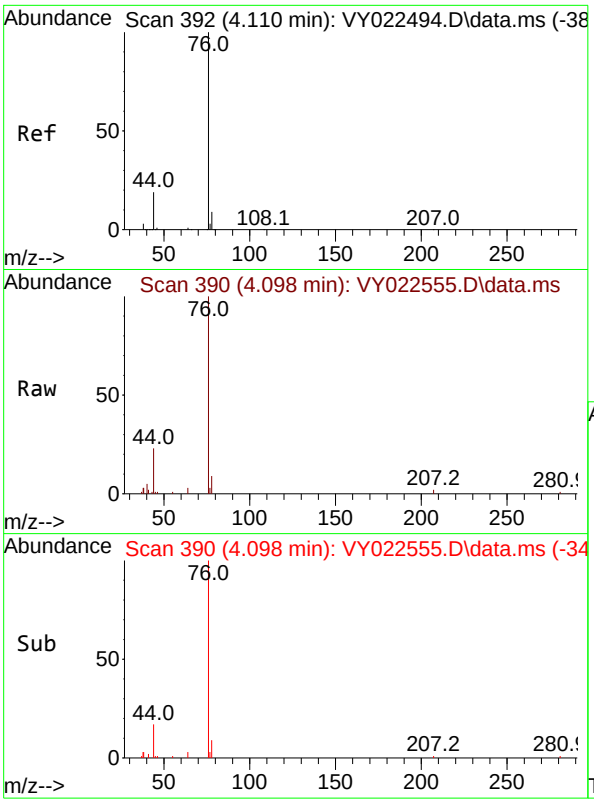


#16
Acetone
Concen: 53.155 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 43 Resp: 33897

Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.0	36.0



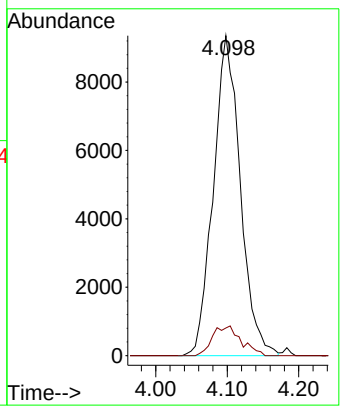


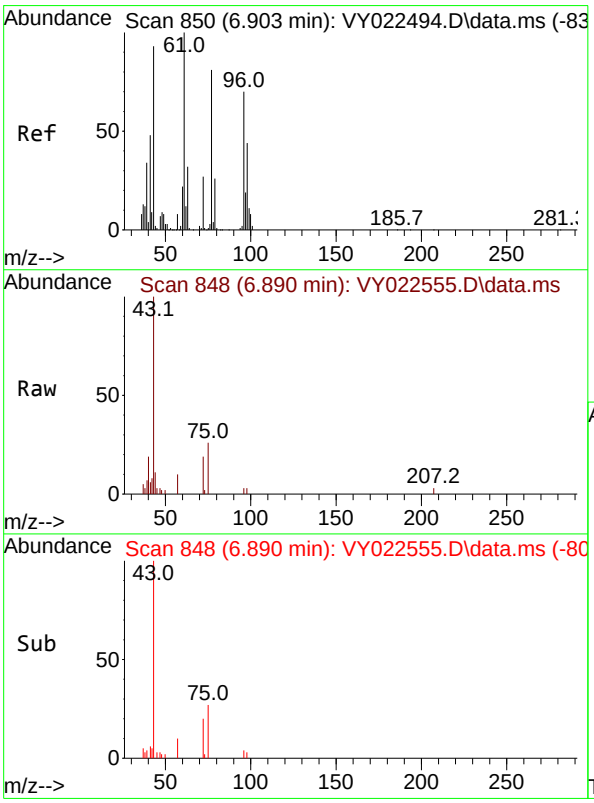
#17
Carbon Disulfide
Concen: 2.598 ug/l
RT: 4.098 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion: 76 Resp: 24493

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

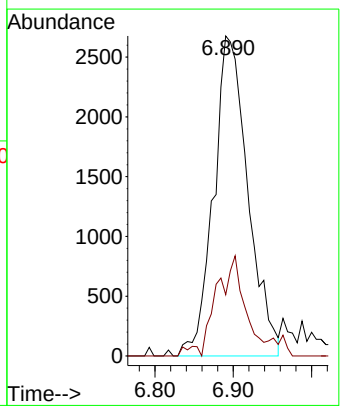


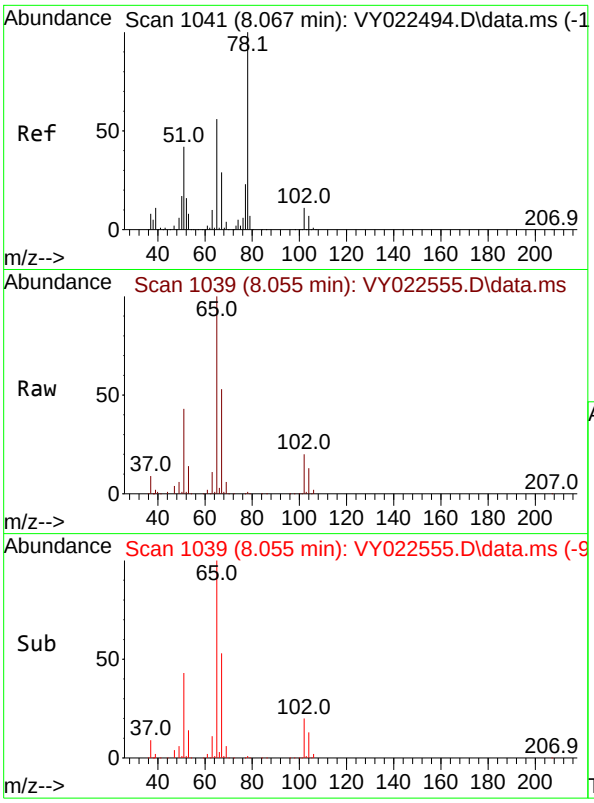


#25
2-Butanone
Concen: 8.855 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 43 Resp: 8145

Ion	Ratio	Lower	Upper
43	100		
72	19.2	22.9	34.3#



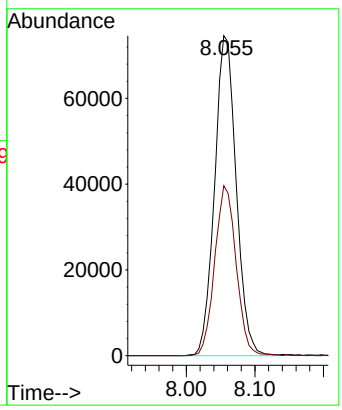


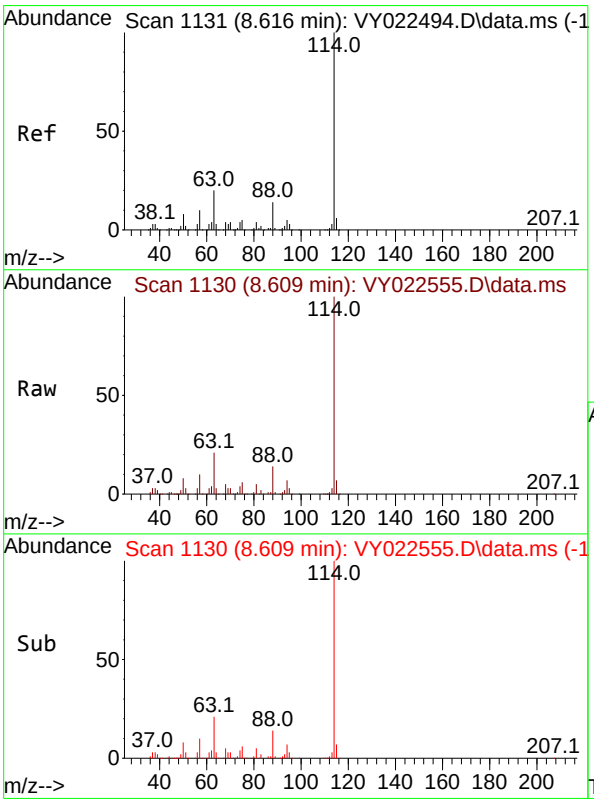
#33
1,2-Dichloroethane-d4
Concen: 52.052 ug/l
RT: 8.055 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion: 65 Resp: 163448

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.4

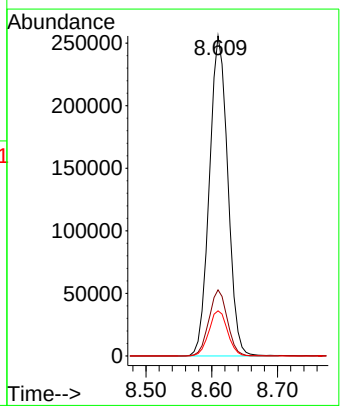


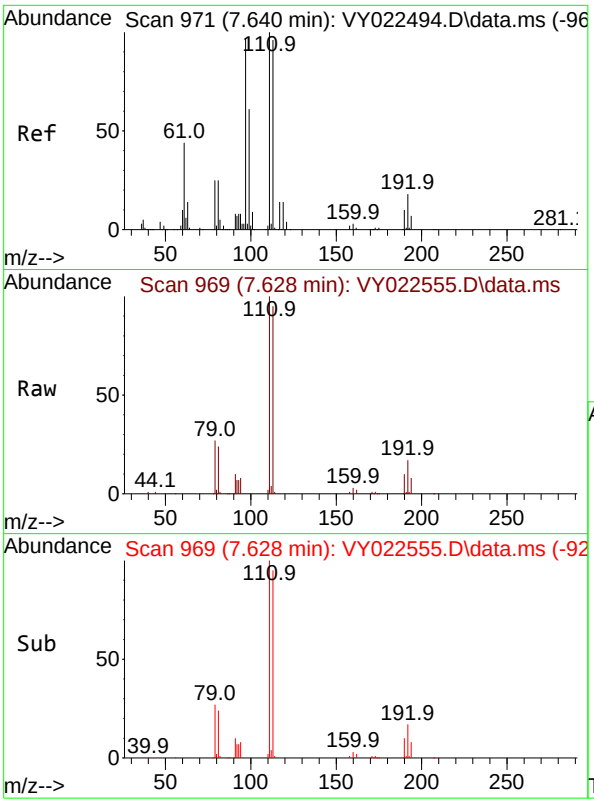


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion:114 Resp: 497958

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	14.1	0.0	27.8



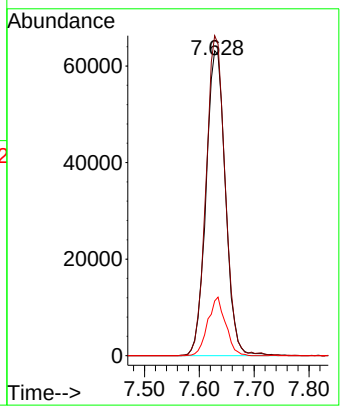


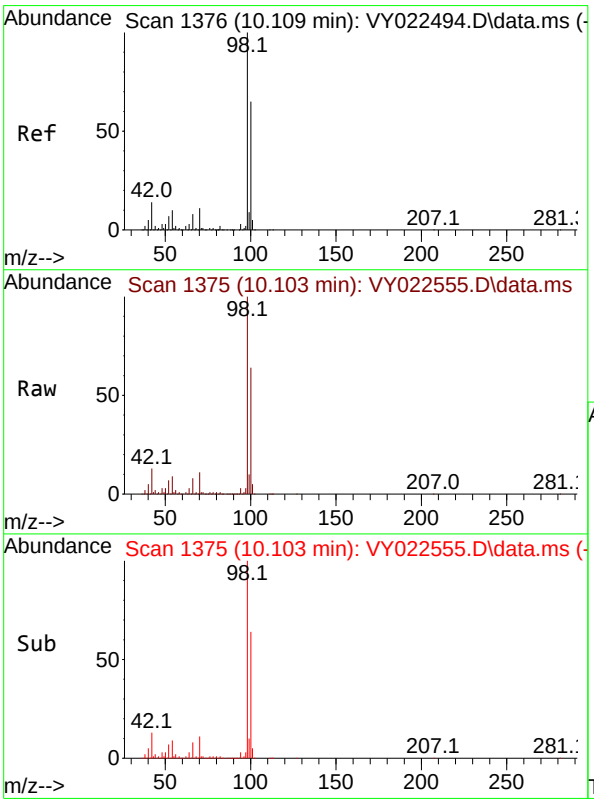
#35
Dibromofluoromethane
Concen: 52.117 ug/l
RT: 7.628 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion:113 Resp: 154902

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.1	121.7
192	17.7	14.2	21.2

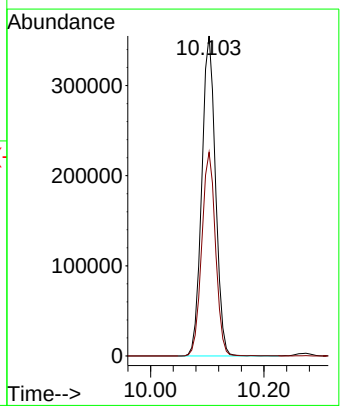


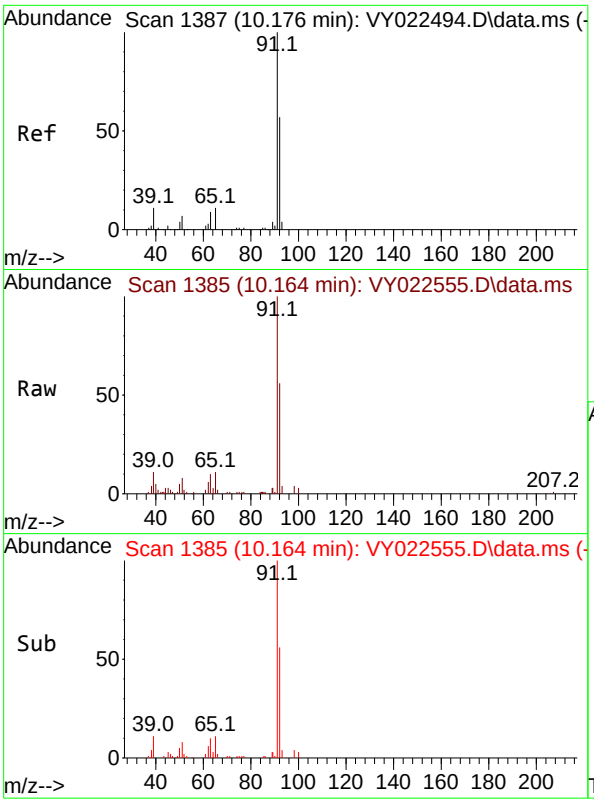


#50
Toluene-d8
Concen: 49.663 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 98 Resp: 596438

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0



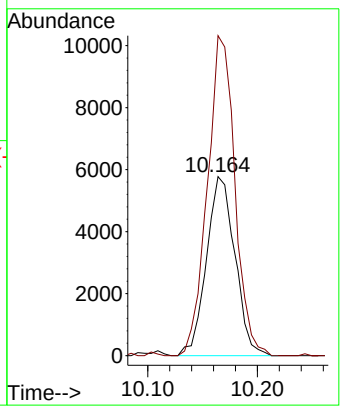


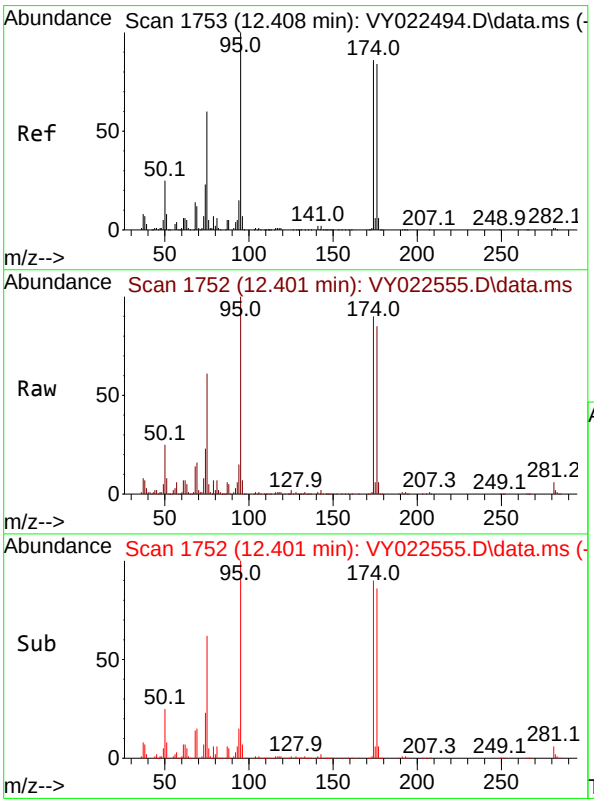
#52
Toluene
Concen: 1.166 ug/l
RT: 10.164 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion: 92 Resp: 10437

Ion	Ratio	Lower	Upper
92	100		
91	172.7	139.0	208.4

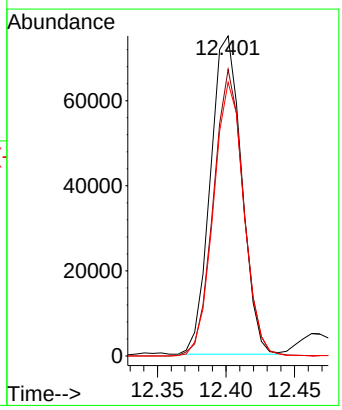


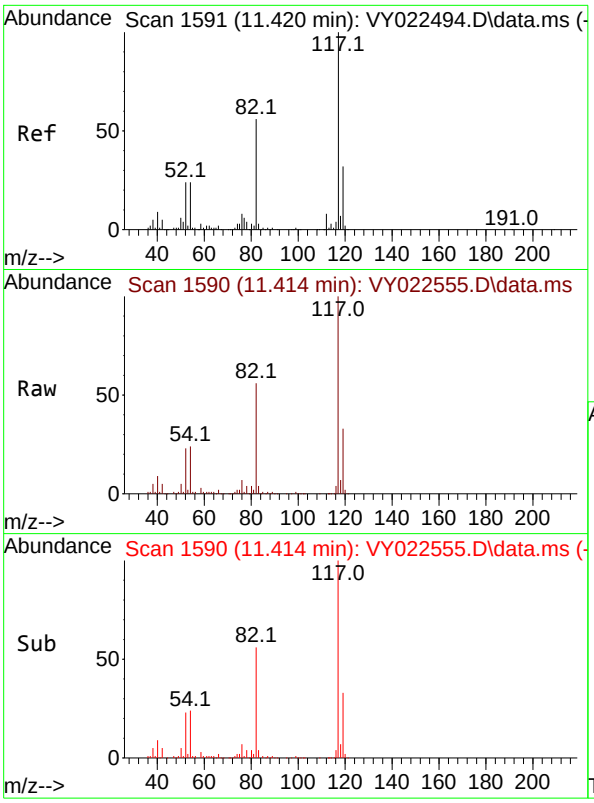


#62
4-Bromofluorobenzene
Concen: 33.105 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 95 Resp: 118458

Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	170.0
176	83.9	0.0	166.2



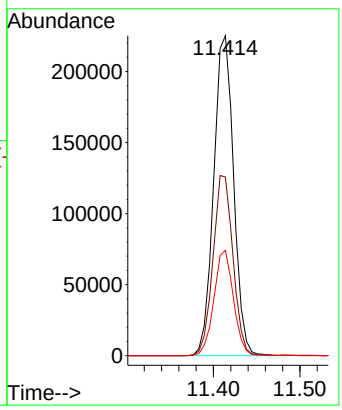


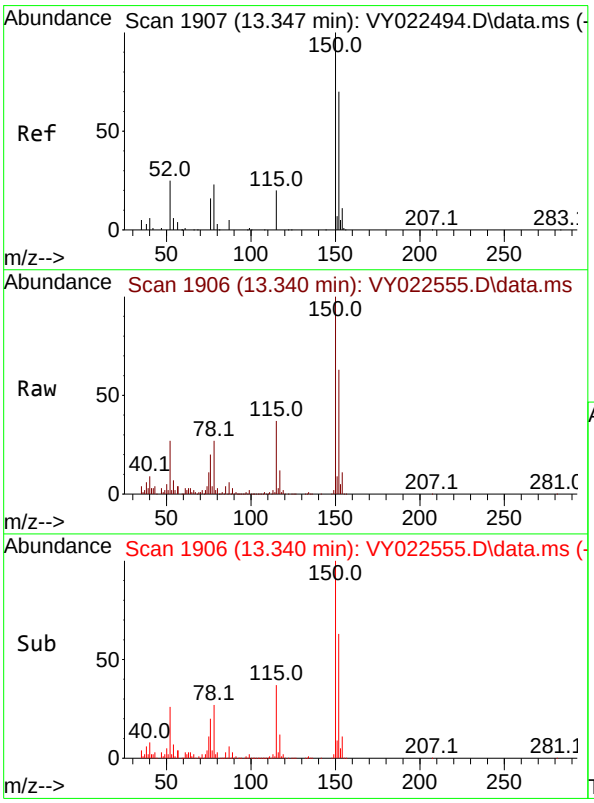
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion:117 Resp: 360175

Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	66.8
119	33.0	25.4	38.0

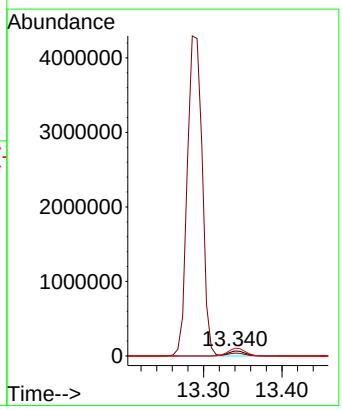




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion:152 Resp: 103121

Ion	Ratio	Lower	Upper
152	100		
115	0.0	28.9	86.7#
150	154.6	0.0	349.6



Sample Results: **VY022555.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022555.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	10.103	1367	1375	1382	rBV	956430	1628455	1.17%	1.133%
2	12.255	1721	1728	1734	rBV	1744031	2666821	1.91%	1.855%
3	13.285	1885	1897	1903	rBV	96671722	139482274	100.00%	97.013%

Sum of corrected areas: 143777550

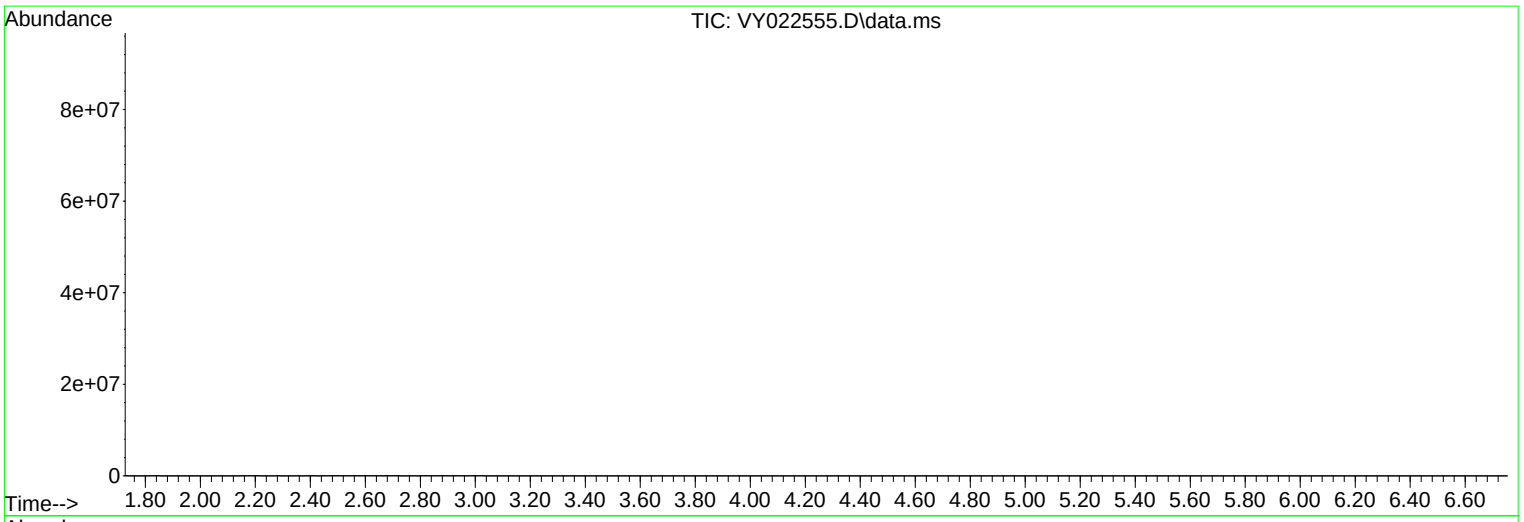
Sample Results: **VY022555.D**

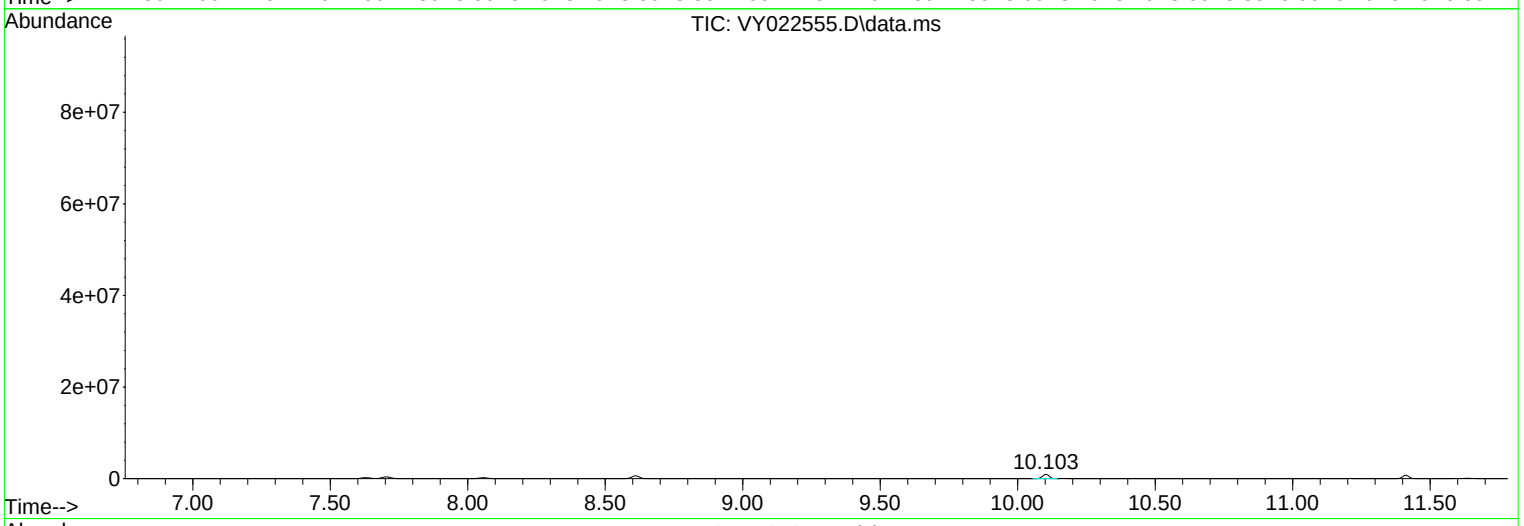
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

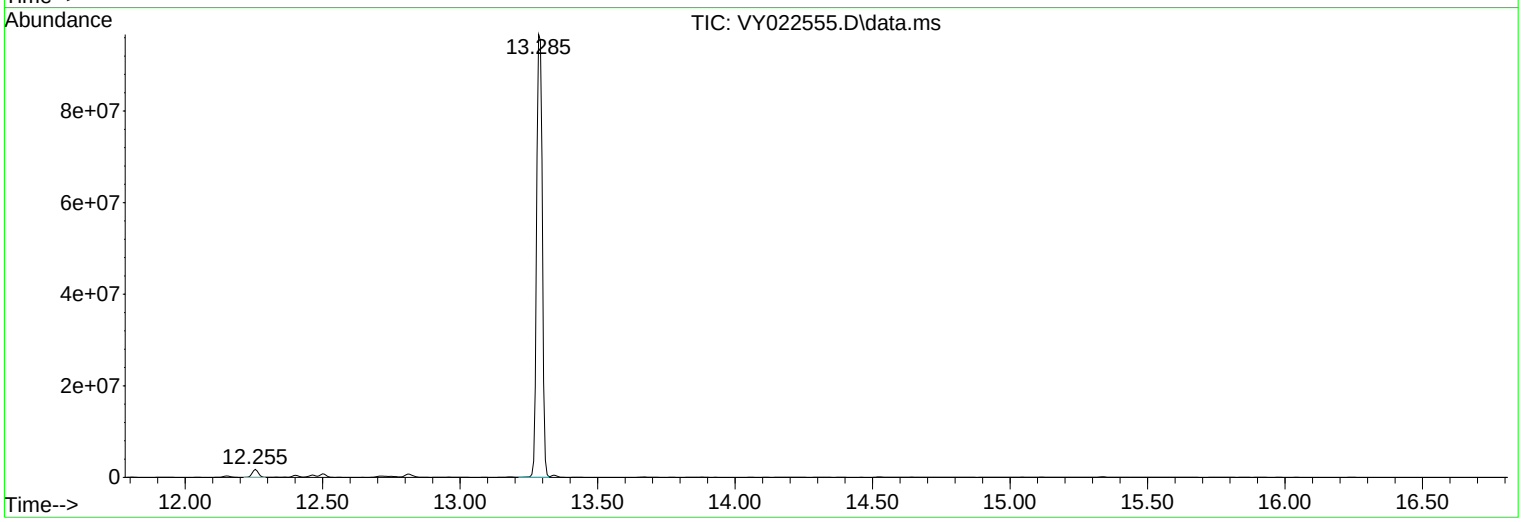
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

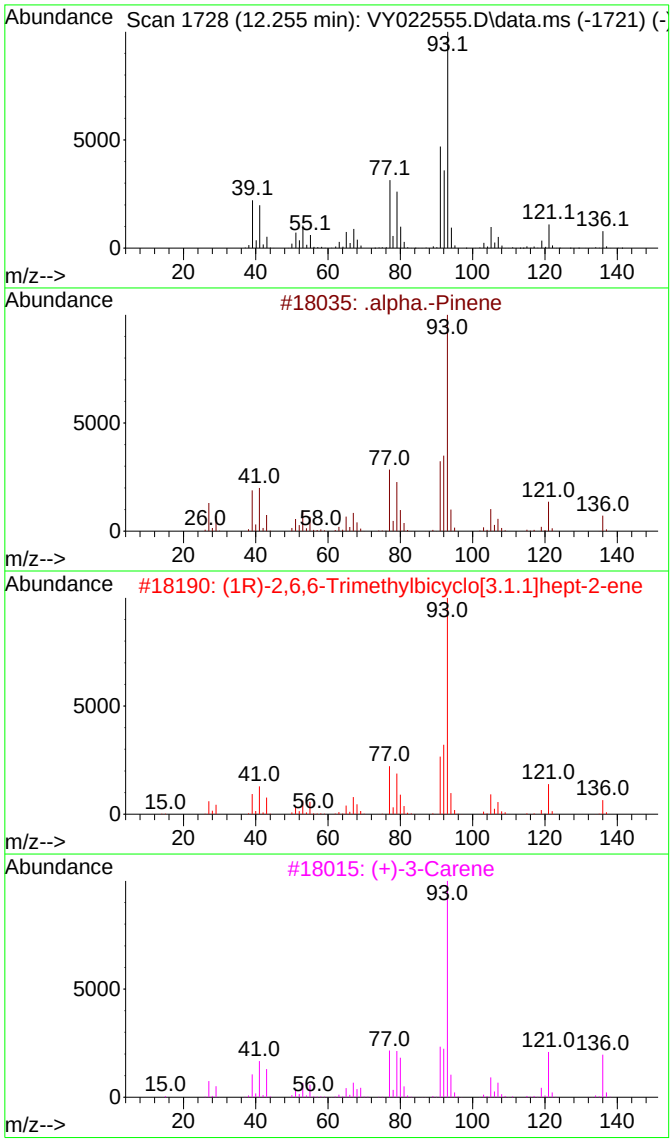
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

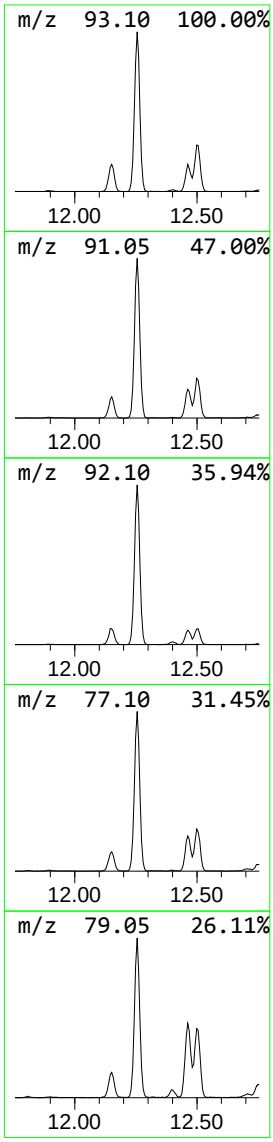
****

Peak Number 1 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.255	50.00 ug/l	2666820	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
3	(+)-3-Carene	136	C10H16	000498-15-7	91
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

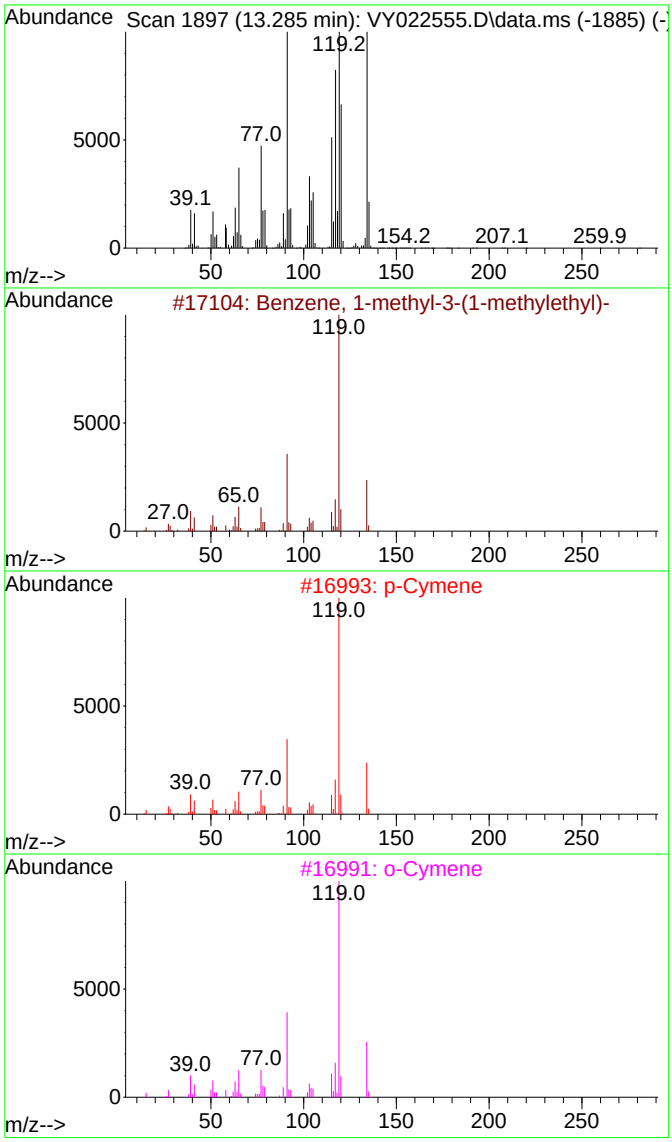
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

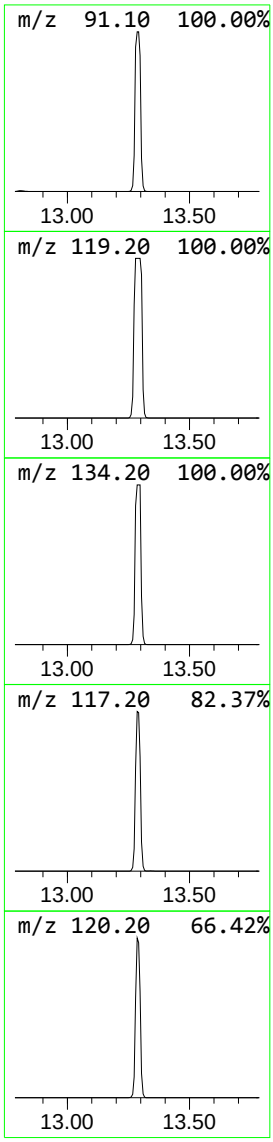
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-methyl-3-(1-meth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.285	50.00 ug/l	139482000	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
2	p-Cymene	134	C10H14	000099-87-6	76
3	o-Cymene	134	C10H14	000527-84-4	62
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	46
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
.alpha.-Pinene	12.255	50.0	ug/l	2666820	3	11.414	2666820	50.0
Benzene, 1-meth...	13.285	50.0	ug/l	139482000	4	13.340	139482000	50.0

Raw Data: **VY022568.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.4
Sample Wt/Vol:	6.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022568.D	1		06/05/25 12:45	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.75	U	0.75	4.70	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.70	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.95	U	0.95	4.70	ug/Kg
67-64-1	Acetone	4.50	U	4.50	23.7	ug/Kg
75-15-0	Carbon Disulfide	1.50	J	1.00	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.69	U	0.69	4.70	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.70	ug/Kg
75-09-2	Methylene Chloride	4.30	J	3.30	9.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.81	U	0.81	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.76	U	0.76	4.70	ug/Kg
110-82-7	Cyclohexane	0.75	U	0.75	4.70	ug/Kg
78-93-3	2-Butanone	6.20	U	6.20	23.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.92	U	0.92	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.71	U	0.71	4.70	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.70	ug/Kg
67-66-3	Chloroform	0.80	U	0.80	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	4.70	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.75	U	0.75	4.70	ug/Kg
79-01-6	Trichloroethene	0.77	U	0.77	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.86	U	0.86	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.74	U	0.74	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	23.7	ug/Kg
108-88-3	Toluene	0.74	U	0.74	4.70	ug/Kg

Raw Data: **VY022568.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.4
Sample Wt/Vol:	6.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022568.D	1		06/05/25 12:45	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.62	U	0.62	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.59	U	0.59	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.87	U	0.87	4.70	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	23.7	ug/Kg
124-48-1	Dibromochloromethane	0.82	U	0.82	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.83	U	0.83	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.99	U	0.99	4.70	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.63	U	0.63	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.50	ug/Kg
95-47-6	o-Xylene	0.78	U	0.78	4.70	ug/Kg
100-42-5	Styrene	0.67	U	0.67	4.70	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.80	U	2.80	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	3.00	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		70 (17) - 130 (146)	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	271000	7.707			
540-36-3	1,4-Difluorobenzene	499000	8.609			
3114-55-4	Chlorobenzene-d5	399000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.34			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.4
Sample Wt/Vol:	6.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022568.D	1		06/05/25 12:45	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY022568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Quant Time: Jun 06 01:23:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

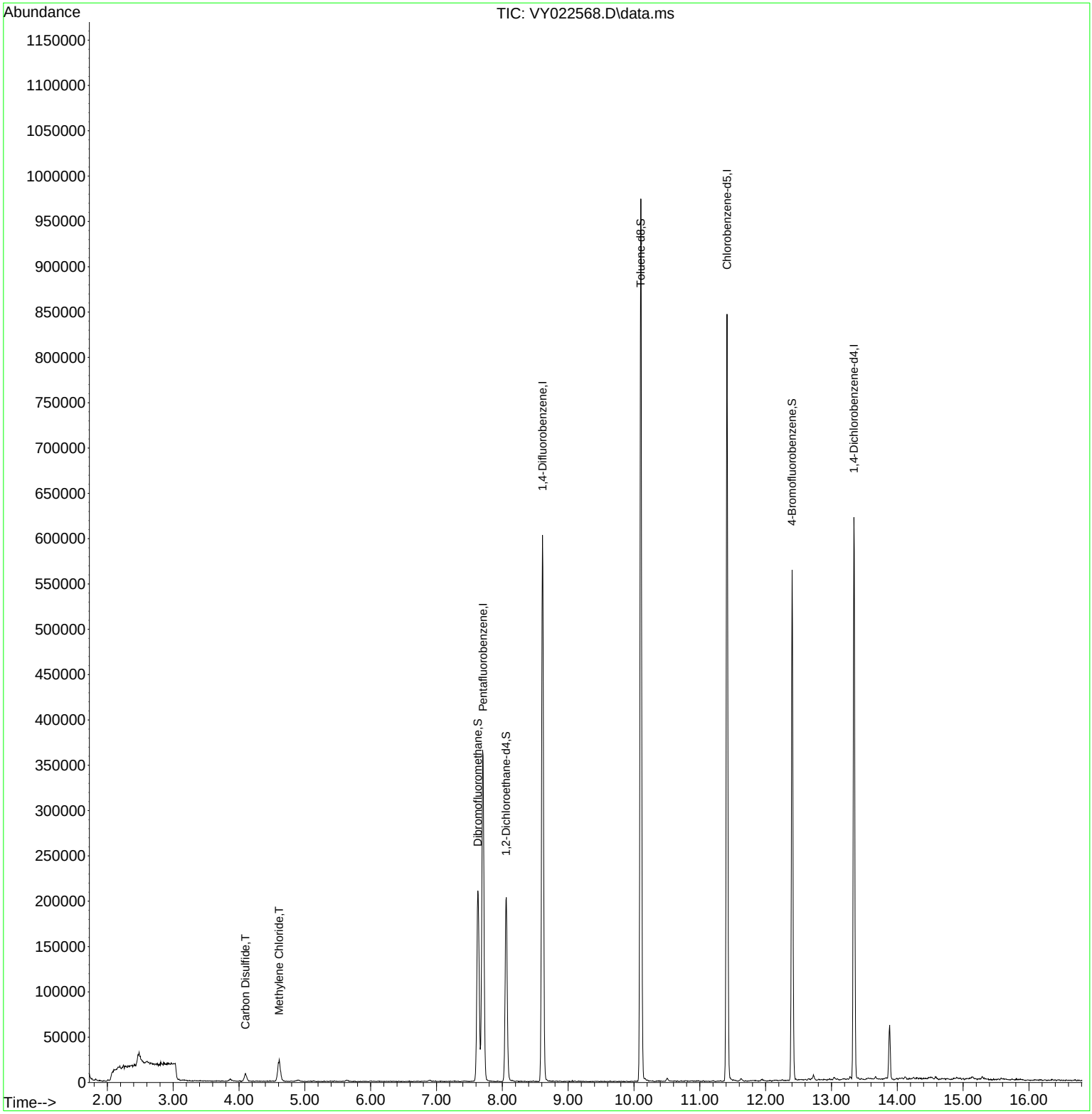
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	270828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	498576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	399252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	144715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	151083	49.878	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.760%		
35) Dibromofluoromethane	7.628	113	147294	49.496	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.000%		
50) Toluene-d8	10.103	98	599125	49.825	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.660%		
62) 4-Bromofluorobenzene	12.401	95	149446	41.713	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.420%		
Target Compounds						Qvalue
17) Carbon Disulfide	4.098	76	14692	1.616	ug/l	99
20) Methylene Chloride	4.610	84	15819	4.527	ug/l	95

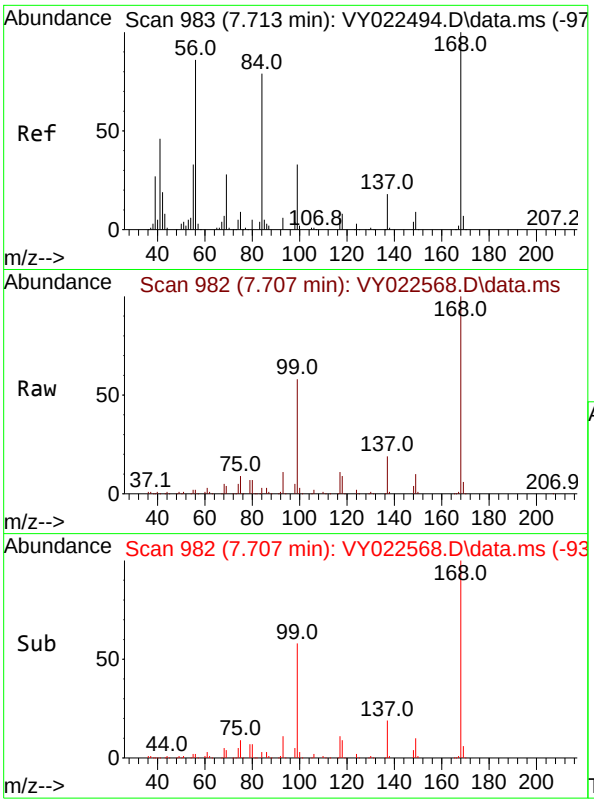
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Quant Time: Jun 06 01:23:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



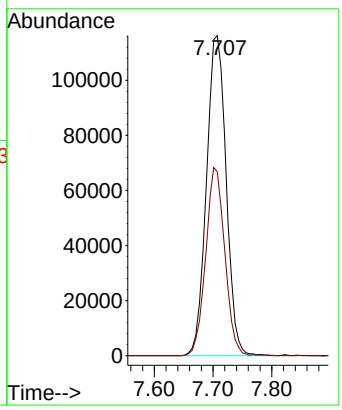


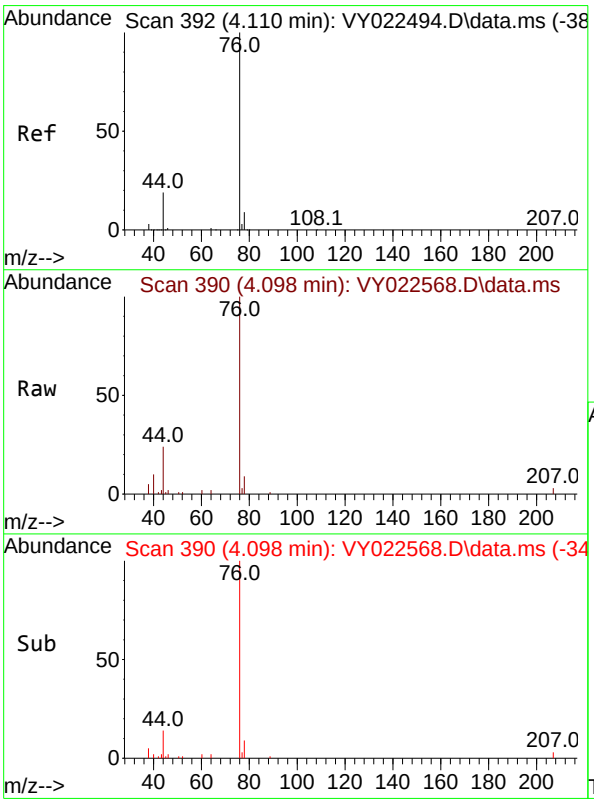
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion:168 Resp: 270828

Ion	Ratio	Lower	Upper
168	100		
99	57.5	44.3	66.5

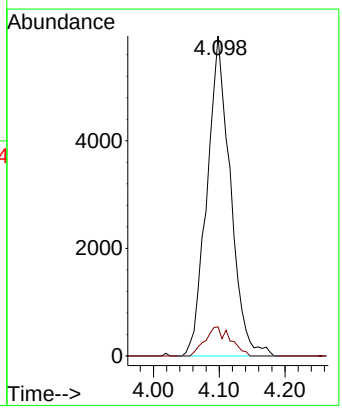


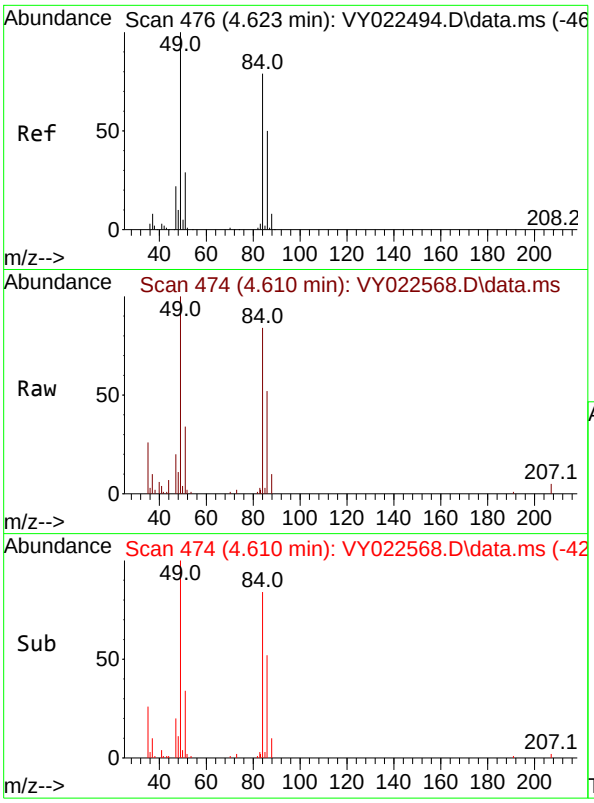


#17
Carbon Disulfide
Concen: 1.616 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion: 76 Resp: 14692

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2



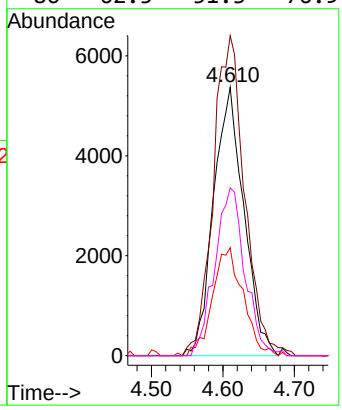


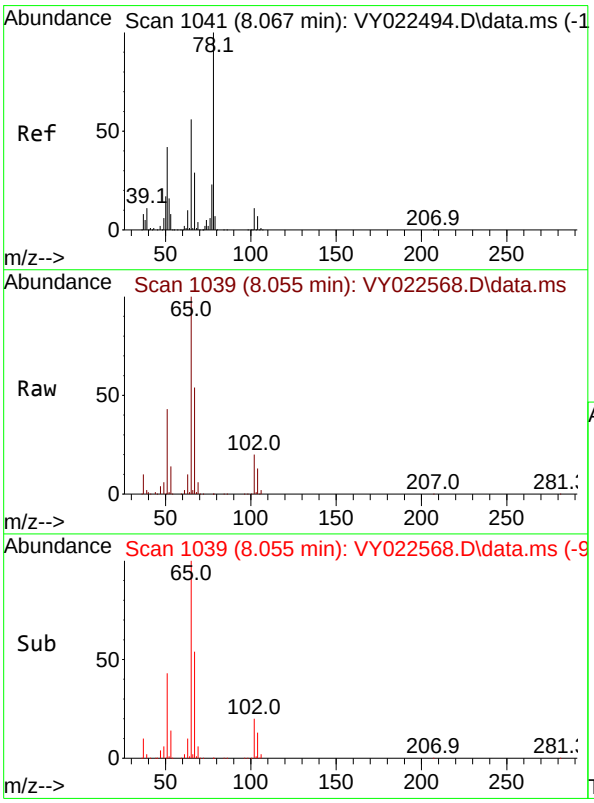
#20
Methylene Chloride
Concen: 4.527 ug/l
RT: 4.610 min Scan# 4
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion: 84 Resp: 15819

Ion	Ratio	Lower	Upper
84	100		
49	119.2	101.9	152.9
51	40.2	29.8	44.8
86	62.5	51.3	76.9

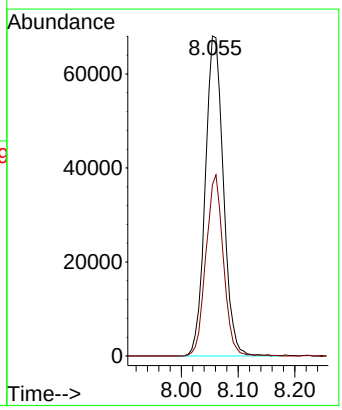


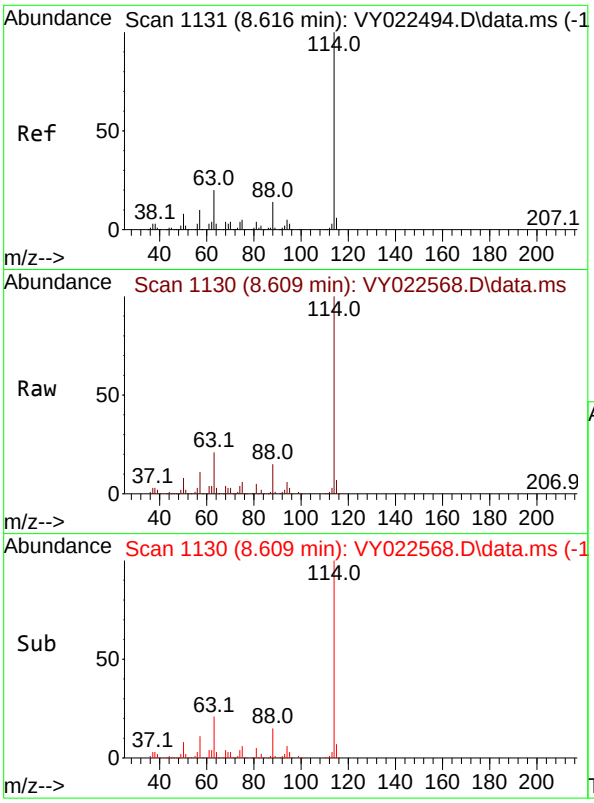


#33
1,2-Dichloroethane-d4
Concen: 49.878 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion: 65 Resp: 151083

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	103.4



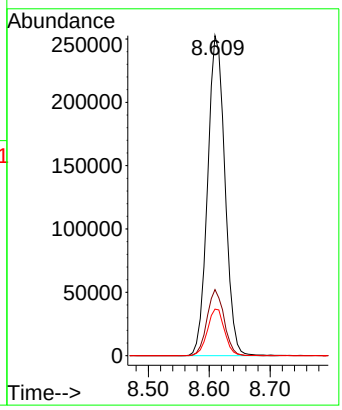


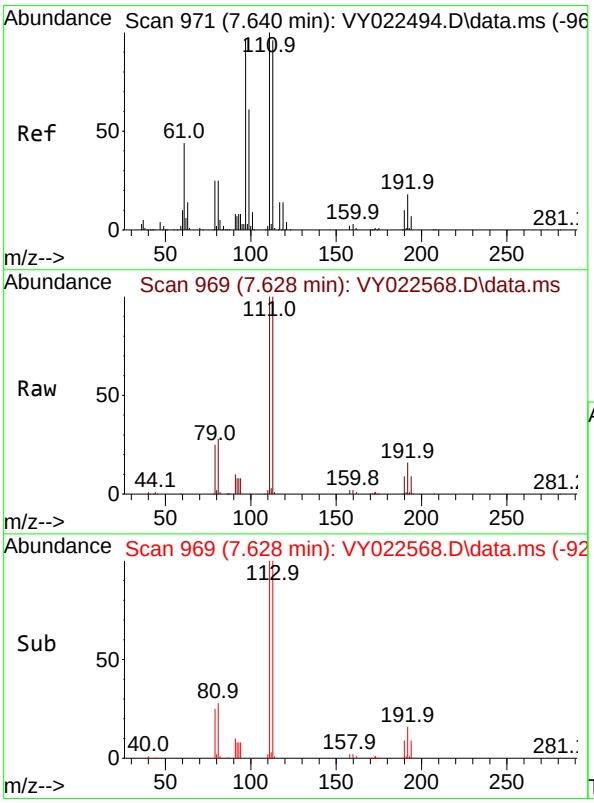
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion:114 Resp: 498576

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	14.5	0.0	27.8

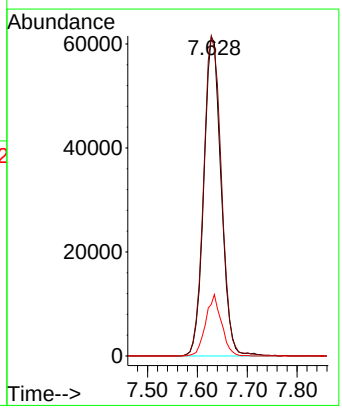


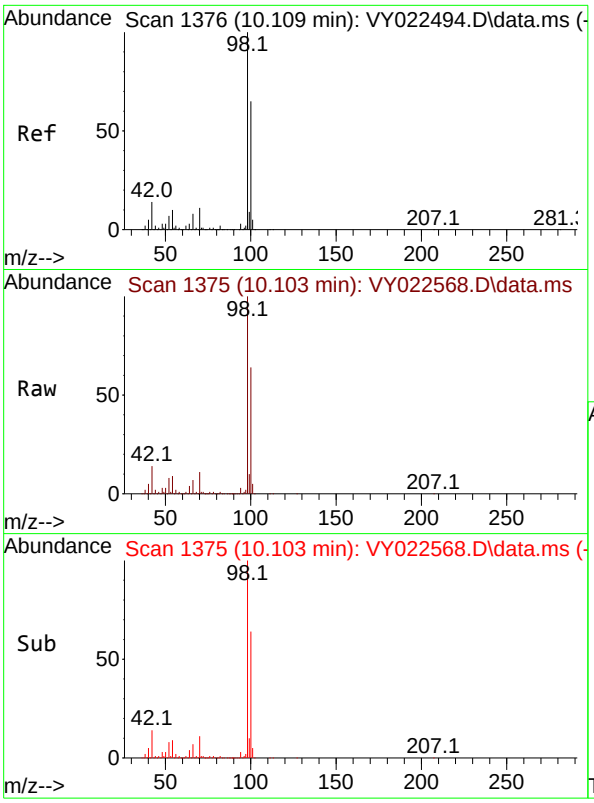


#35
Dibromofluoromethane
Concen: 49.496 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion:113 Resp: 147294

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.1	121.7
192	17.6	14.2	21.2



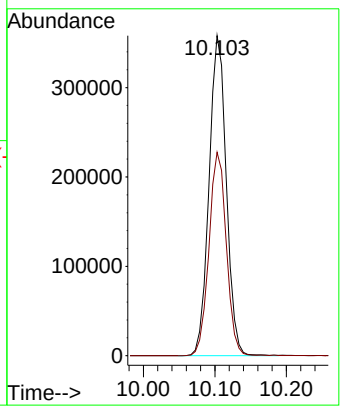


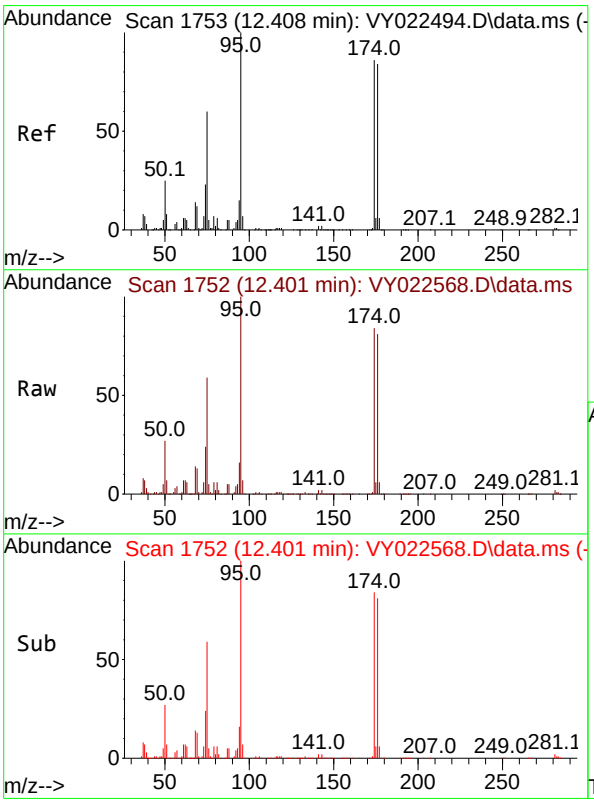
#50
Toluene-d8
Concen: 49.825 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion: 98 Resp: 599125

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0

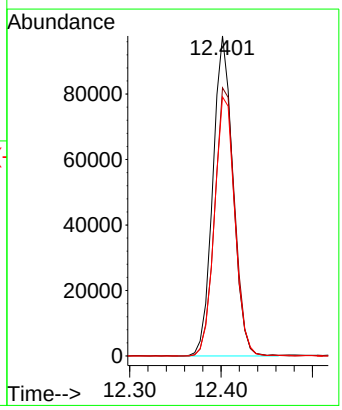


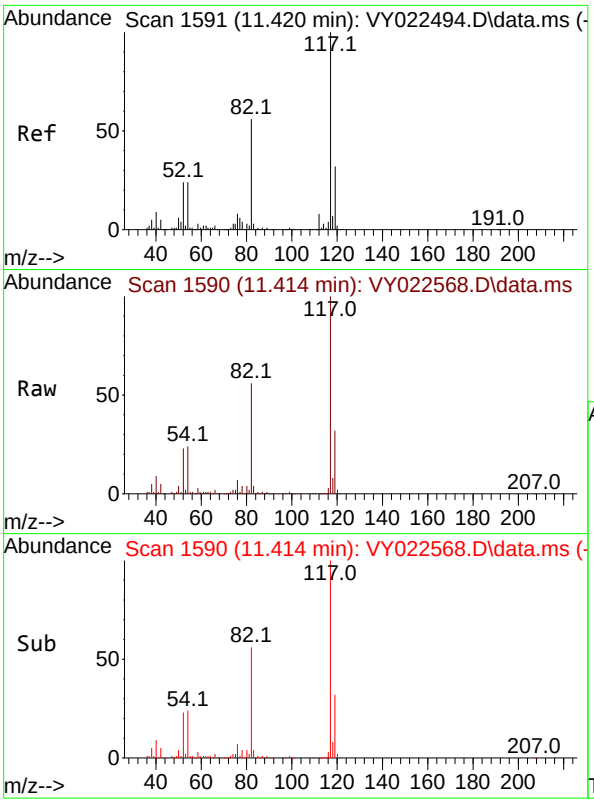


#62
4-Bromofluorobenzene
Concen: 41.713 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion: 95 Resp: 149446

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	170.0
176	81.9	0.0	166.2



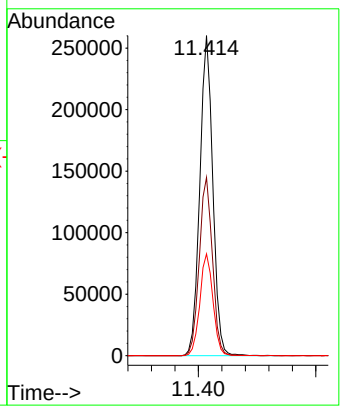


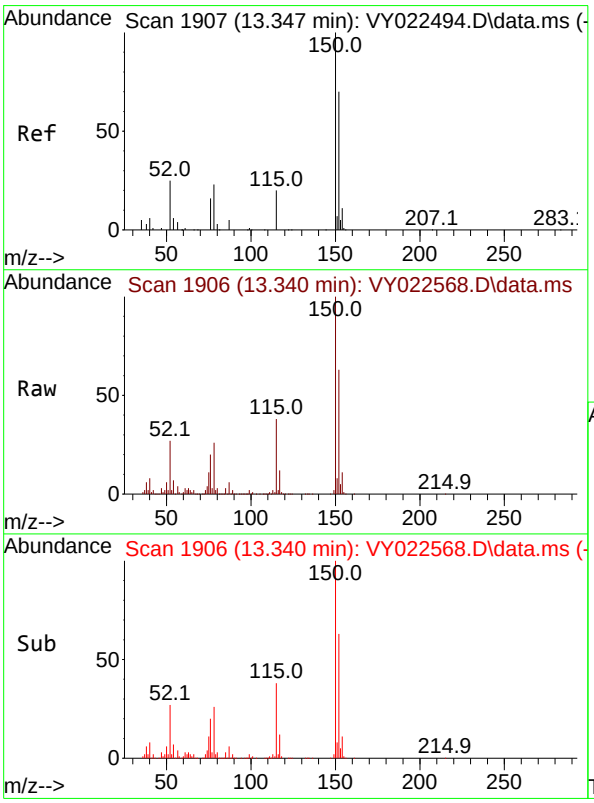
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion:117 Resp: 399252

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.8	25.4	38.0

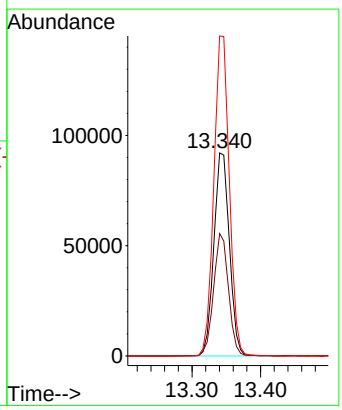




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion:152 Resp: 144715

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.9	86.7
150	156.2	0.0	349.6



Sample Results: **VY022568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022568.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.098	50	62	63	rBV2	12107	31327	1.91%	0.389%
2	2.483	117	125	130	rBV2	15250	44894	2.74%	0.557%
3	4.098	380	390	398	rBV2	8817	23415	1.43%	0.290%
4	4.610	461	474	485	rBV2	23996	68958	4.21%	0.855%
5	7.628	959	969	975	rBV2	210194	508397	31.03%	6.307%
6	7.701	975	981	996	rVB	365024	838537	51.18%	10.402%
7	8.061	1030	1040	1051	rBV	203093	452140	27.60%	5.609%
8	8.609	1120	1130	1140	rBV	602926	1191758	72.74%	14.784%
9	10.103	1367	1375	1384	rBV	973626	1638406	100.00%	20.324%
10	11.414	1582	1590	1604	rBV	845984	1329390	81.14%	16.491%
11	12.401	1744	1752	1760	rBV	563319	885116	54.02%	10.980%
12	13.340	1900	1906	1914	rBV	619255	953550	58.20%	11.829%
13	13.883	1989	1995	2001	rVB	59885	95401	5.82%	1.183%

Sum of corrected areas: 8061289

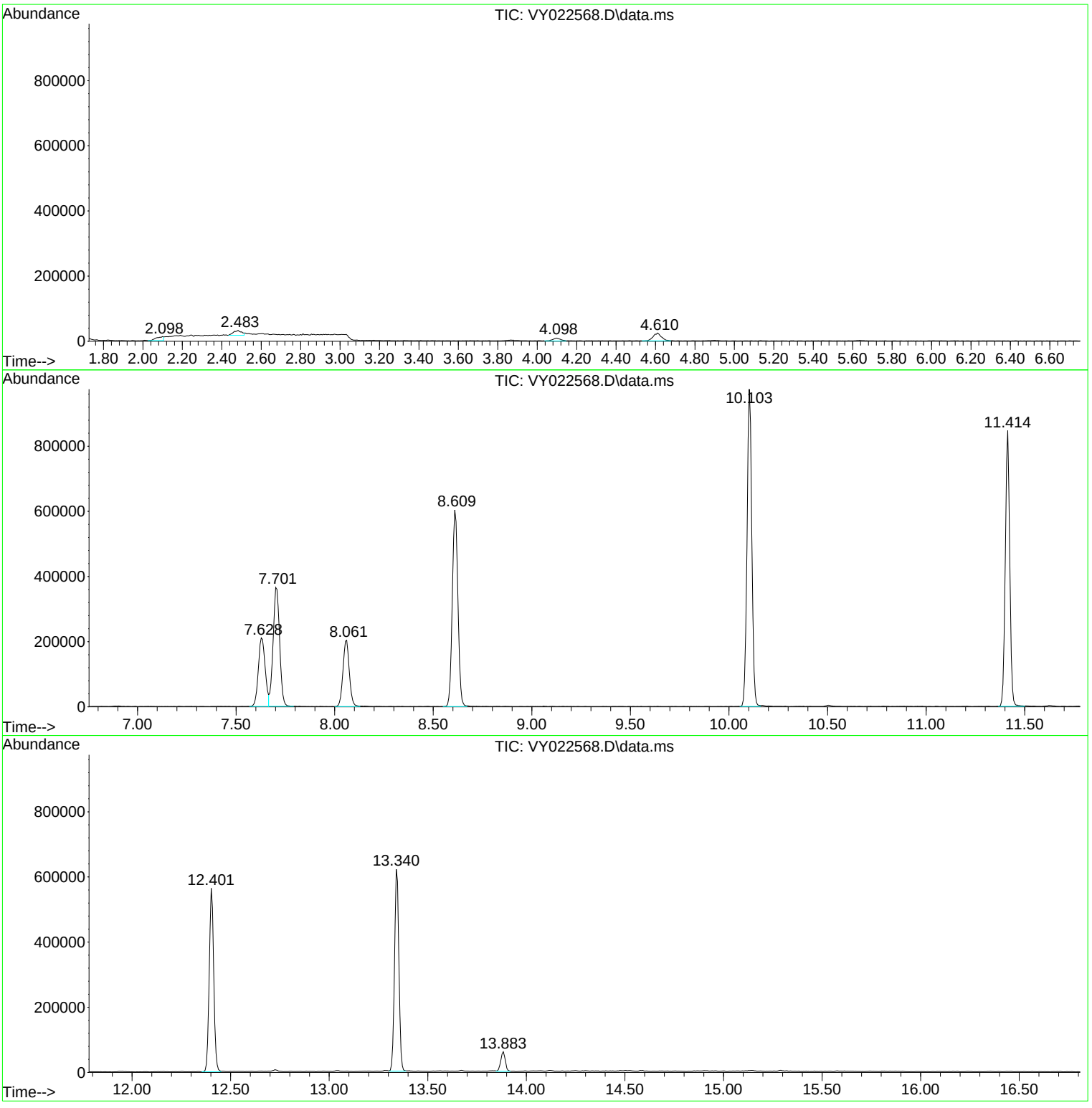
Sample Results: **VY022568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY022568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Raw Data: **VX046454.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046454.D	1		06/02/25 19:06	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	21.4		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	UQ	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	2.40	J	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VX046454.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046454.D	1		06/02/25 19:06	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65900	5.544			
540-36-3	1,4-Difluorobenzene	131000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	55900	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX046454.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046454.D	1		06/02/25 19:06	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000504-44-9	Hexadecane, 2,6,11,15-tetramethyl-	6.50	J		13.5	ug/L

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

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

Sample Results: **VX046454.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Quant Time: Jun 03 01:36:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

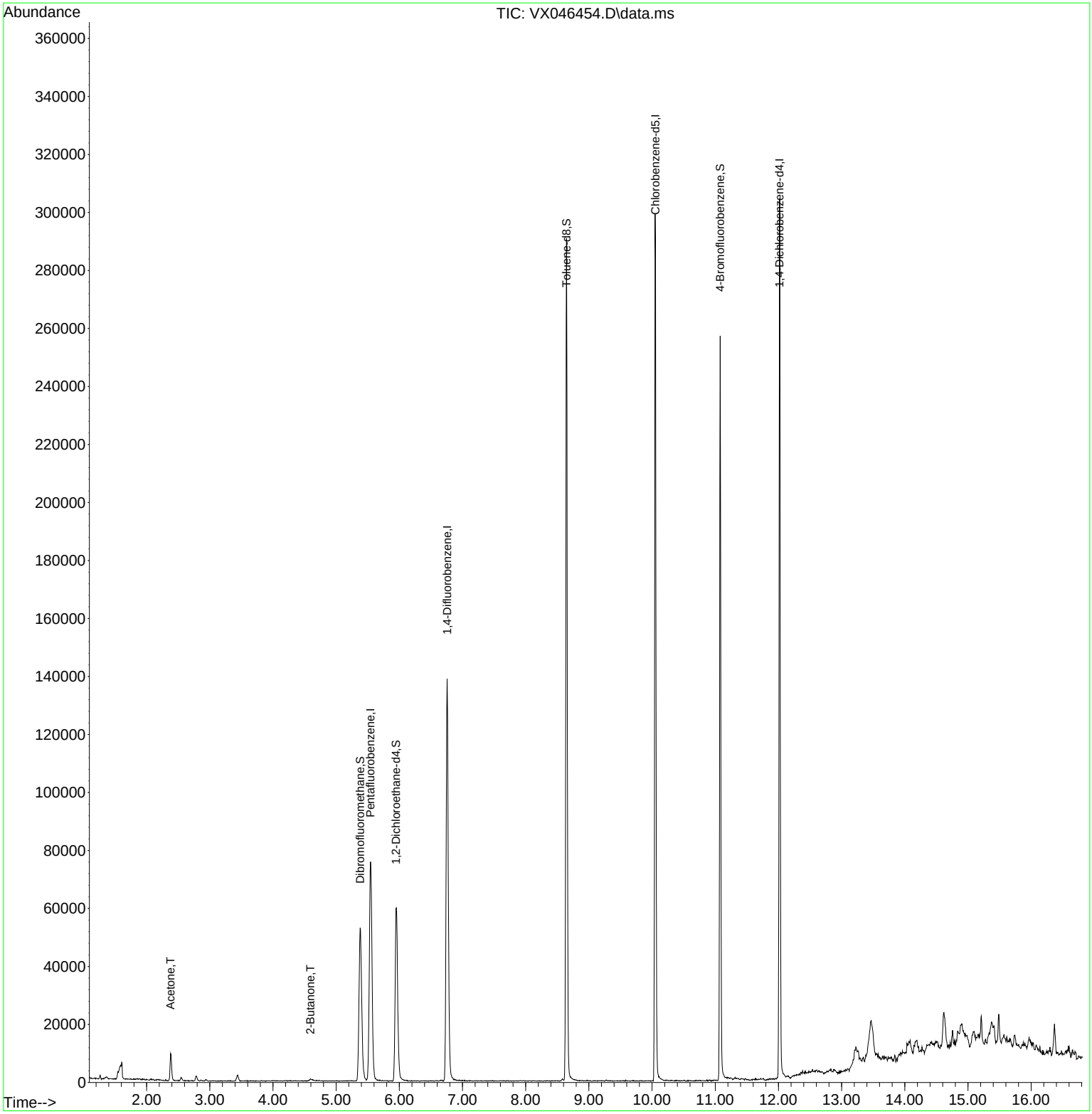
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	65892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131320	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63761	51.904	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.800%			
35) Dibromofluoromethane	5.379	113	46419	49.087	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.180%			
50) Toluene-d8	8.647	98	164764	50.340	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.680%			
62) 4-Bromofluorobenzene	11.079	95	66656	53.092	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.180%			
Target Compounds						Qvalue
16) Acetone	2.380	43	10525	21.369	ug/l	98
25) 2-Butanone	4.593	43	1719	2.404	ug/l	91

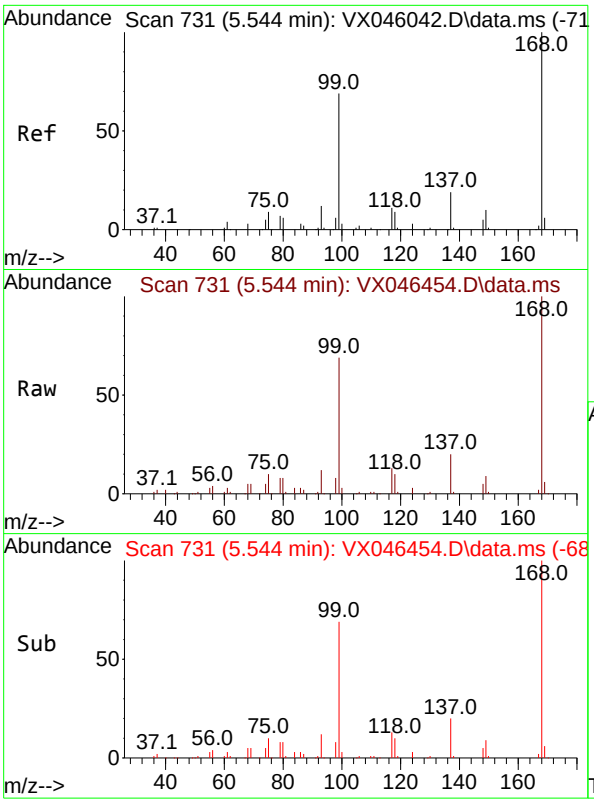
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Quant Time: Jun 03 01:36:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



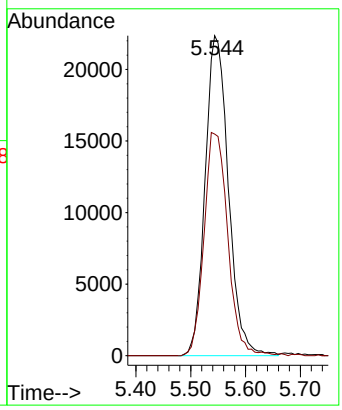


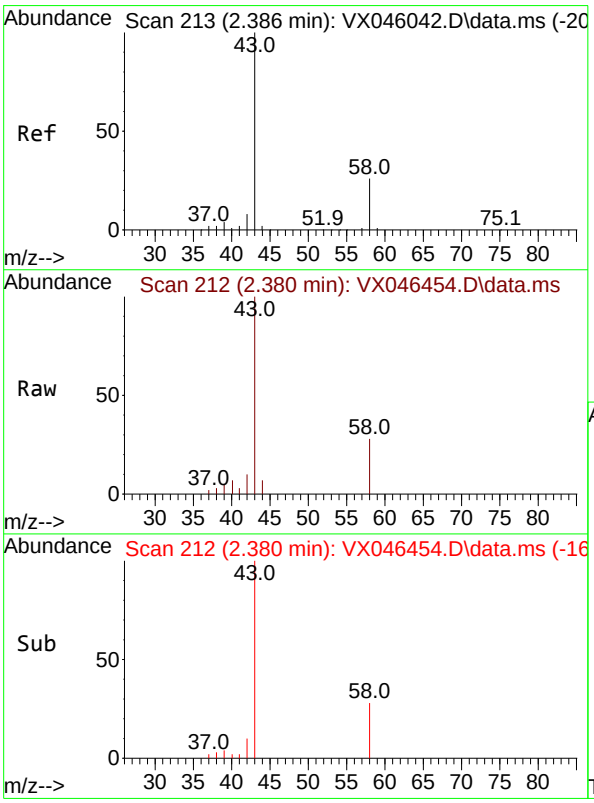
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion:168 Resp: 65892

Ion	Ratio	Lower	Upper
168	100		
99	69.3	54.9	82.3

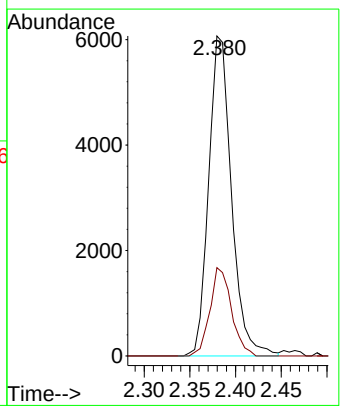


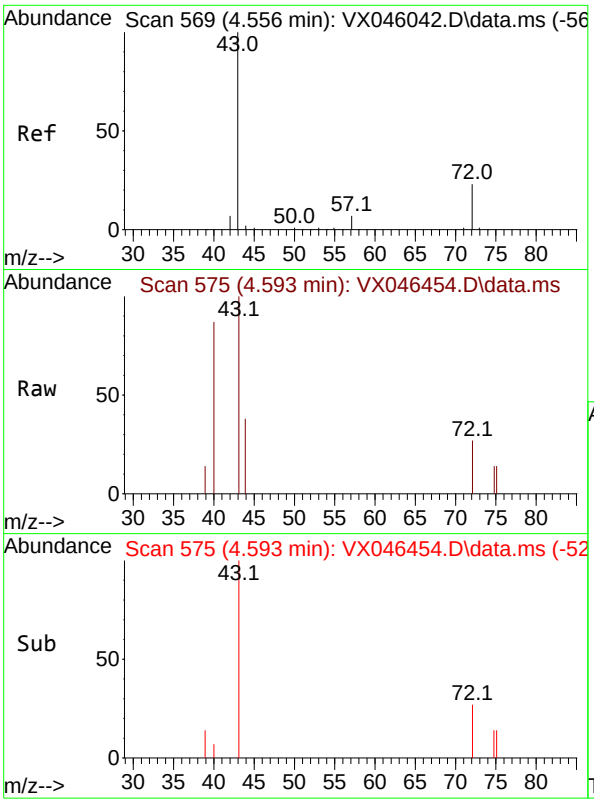


#16
Acetone
Concen: 21.369 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion: 43 Resp: 10525

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8



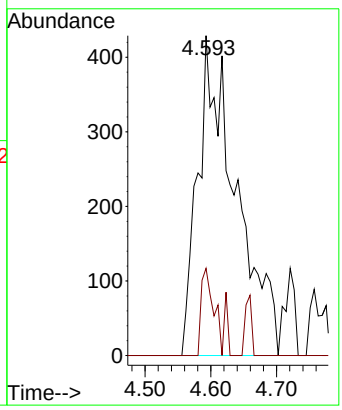


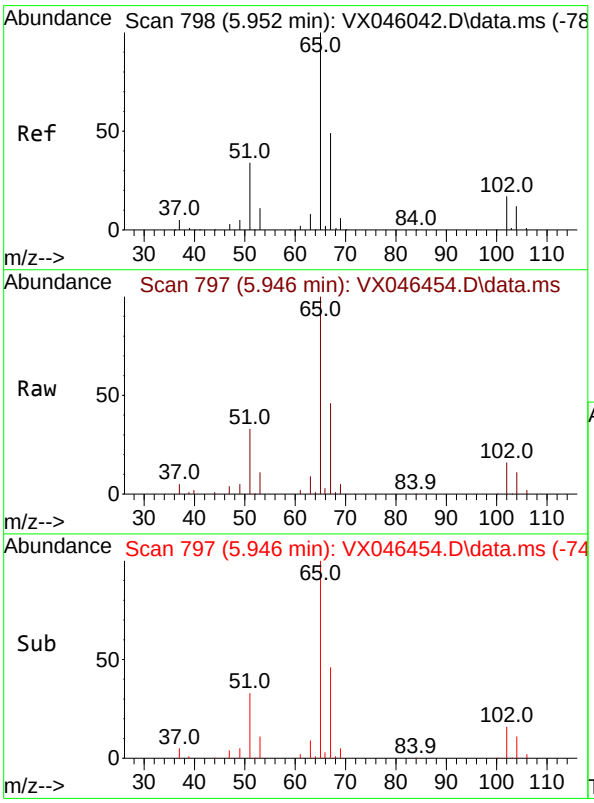
#25
2-Butanone
Concen: 2.404 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.036 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion: 43 Resp: 1719

Ion	Ratio	Lower	Upper
43	100		
72	27.3	18.4	27.6

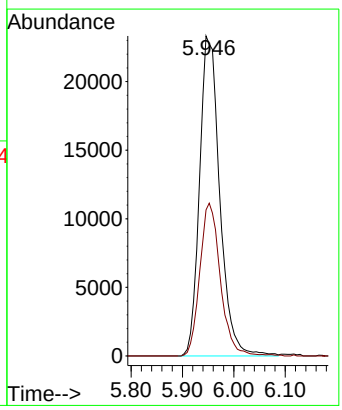


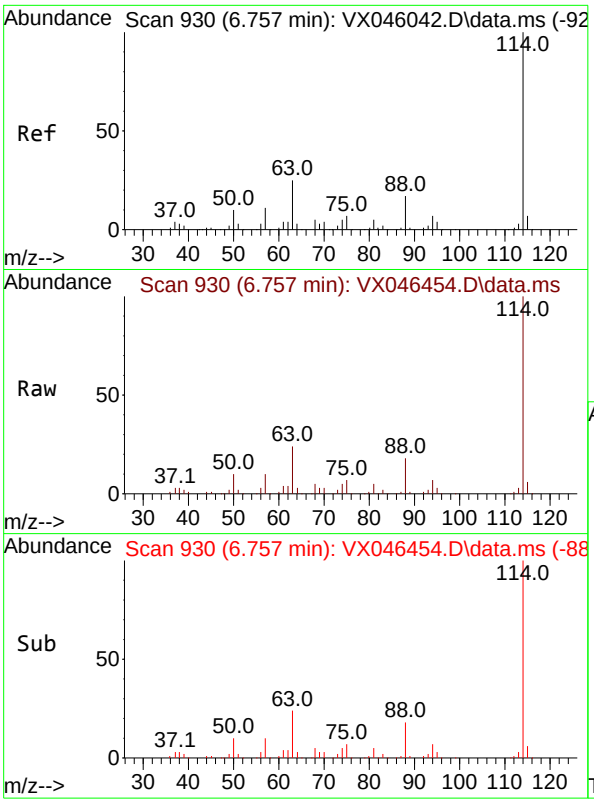


#33
1,2-Dichloroethane-d4
Concen: 51.904 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion: 65 Resp: 63761

Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	99.0



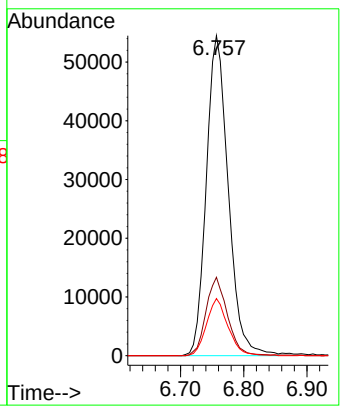


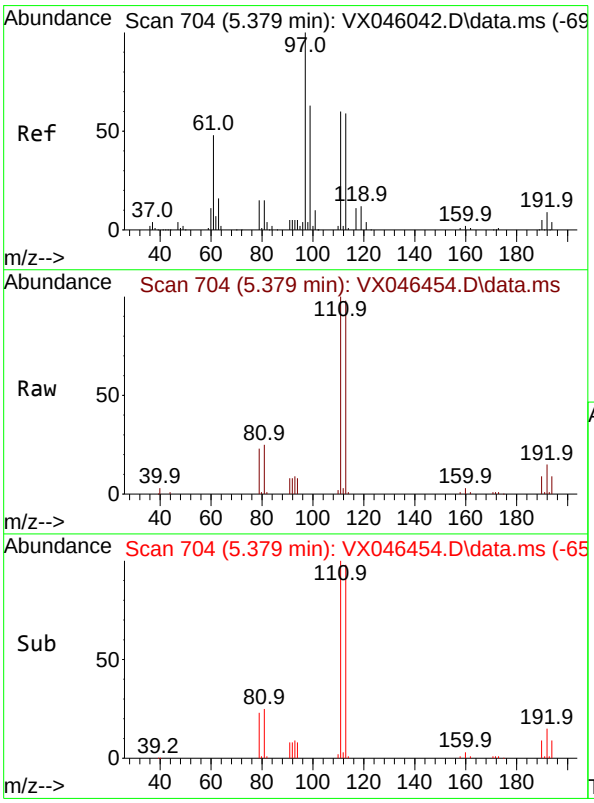
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion:114 Resp: 131320

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	49.2
88	17.8	0.0	33.6

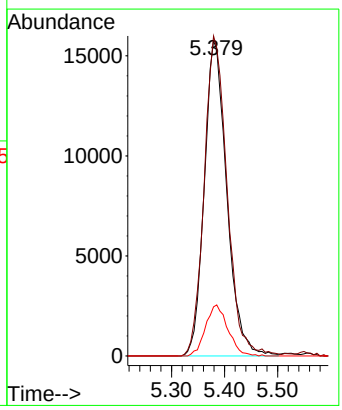


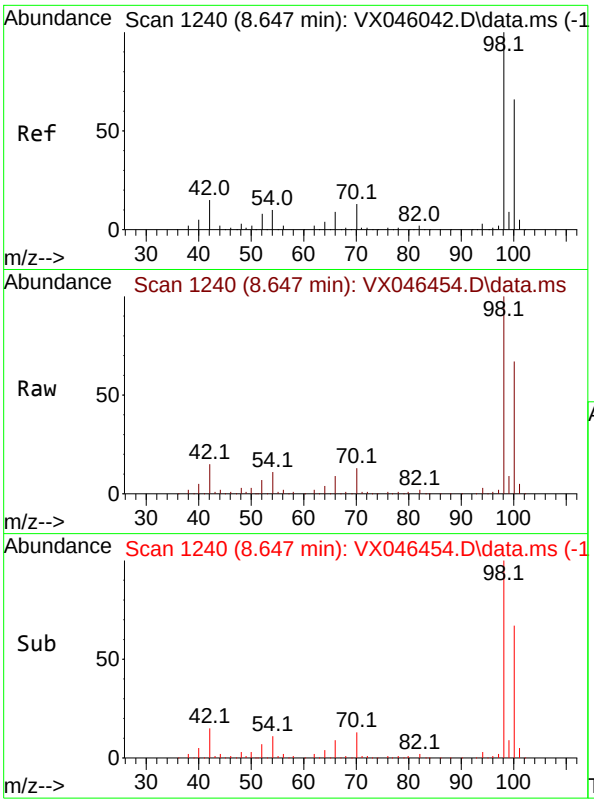


#35
Dibromofluoromethane
Concen: 49.087 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion:113 Resp: 46419

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	16.1	13.3	19.9



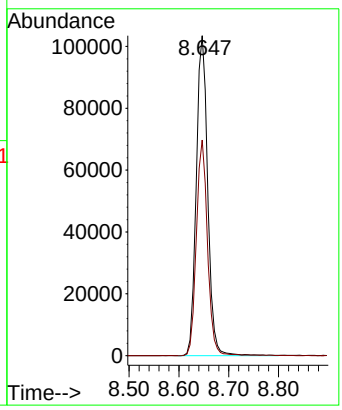


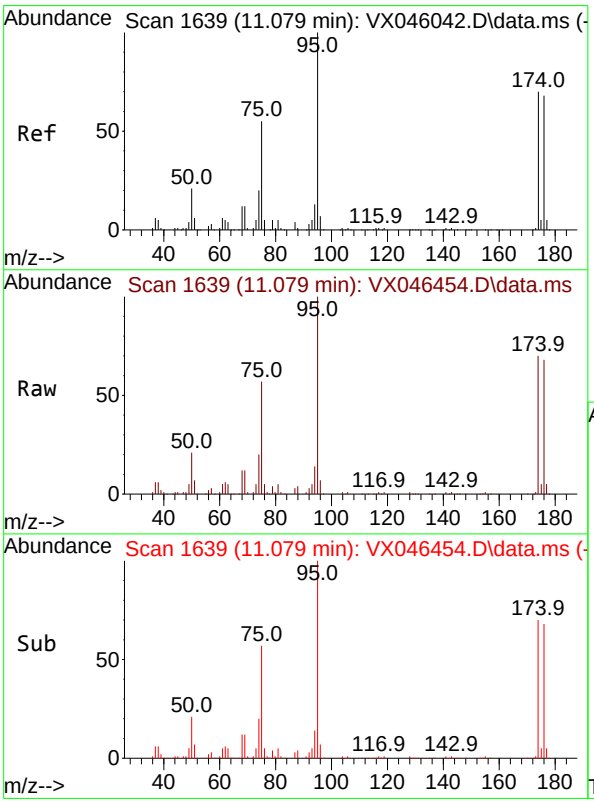
#50
Toluene-d8
Concen: 50.340 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion: 98 Resp: 164764

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.5	80.3

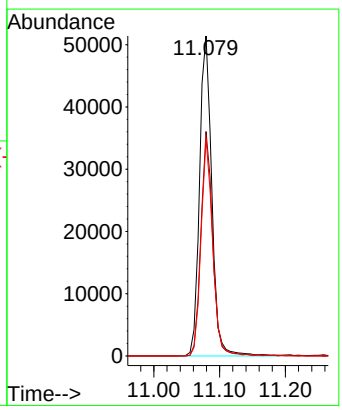


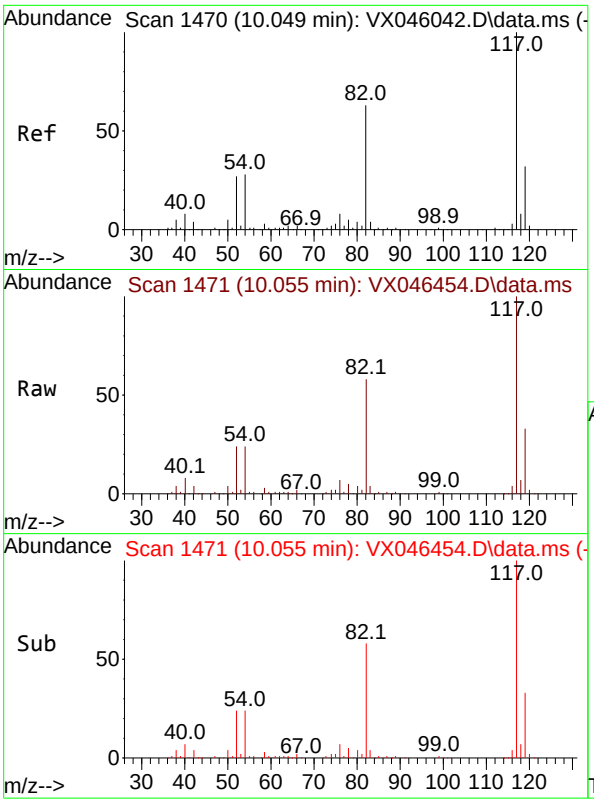


#62
4-Bromofluorobenzene
Concen: 53.092 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion: 95 Resp: 66656

Ion	Ratio	Lower	Upper
95	100		
174	67.3	0.0	135.8
176	64.5	0.0	131.4



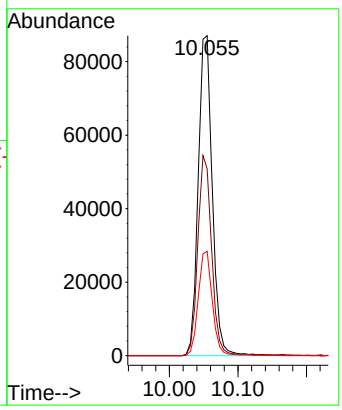


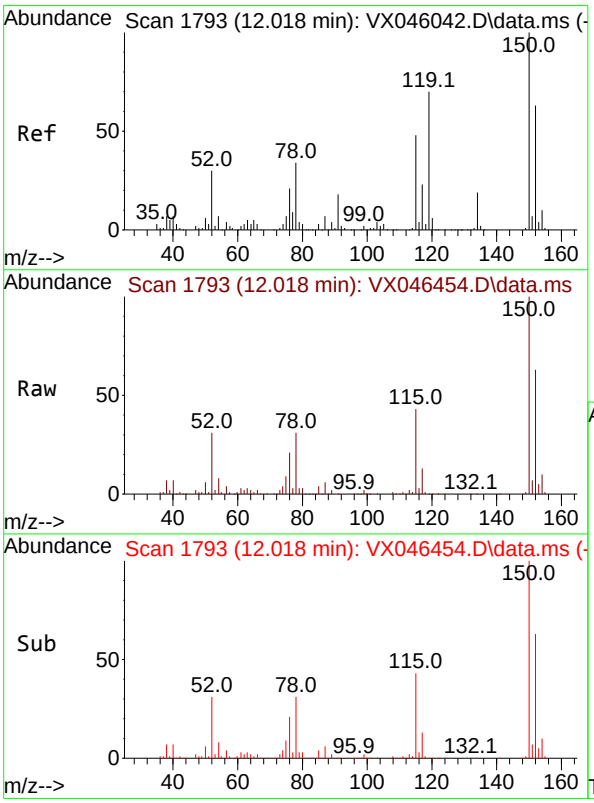
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion:117 Resp: 124794

Ion	Ratio	Lower	Upper
117	100		
82	58.4	50.6	76.0
119	32.7	25.8	38.6

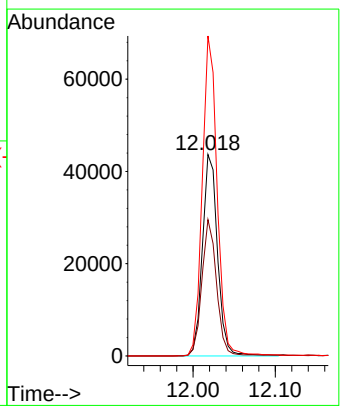




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion:152 Resp: 55855

Ion	Ratio	Lower	Upper
152	100		
115	66.8	46.9	140.7
150	156.7	0.0	351.0



Sample Results: **VX046454.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046454.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.587	76	82	83	rVV4	4769	10017	2.19%	0.376%
2	1.605	83	85	92	rVB4	5733	6592	1.44%	0.248%
3	2.380	205	212	220	rBV	9428	16520	3.61%	0.621%
4	3.440	380	386	392	rVB2	2157	4607	1.01%	0.173%
5	5.379	694	704	720	rBV	52819	157562	34.42%	5.919%
6	5.544	720	731	743	rBV	75336	218080	47.64%	8.192%
7	5.952	788	798	815	rBV	59788	166913	36.46%	6.270%
8	6.757	920	930	946	rBV	138703	333333	72.82%	12.522%
9	8.647	1233	1240	1250	rBV	290401	457769	100.00%	17.196%
10	10.049	1465	1470	1479	rBV	298916	422160	92.22%	15.858%
11	11.079	1634	1639	1650	rBV	256571	325232	71.05%	12.217%
12	12.018	1788	1793	1803	rBV	303082	378888	82.77%	14.233%
13	13.183	1974	1984	1985	rBV9	3932	8858	1.94%	0.333%
14	13.469	2020	2031	2042	rVB5	11821	49228	10.75%	1.849%
15	14.621	2214	2220	2231	rVB6	12142	34804	7.60%	1.307%
16	14.755	2238	2242	2246	rBV7	5641	7906	1.73%	0.297%
17	14.841	2253	2256	2260	rBV6	3381	6772	1.48%	0.254%
18	15.213	2314	2317	2325	rVB5	9748	13676	2.99%	0.514%
19	15.487	2359	2362	2369	rVB4	10086	14776	3.23%	0.555%
20	15.743	2400	2404	2408	rVB7	3505	5935	1.30%	0.223%
21	16.371	2501	2507	2512	rVB3	10210	17624	3.85%	0.662%
22	16.657	2549	2554	2558	rBV7	2622	4804	1.05%	0.180%

Sum of corrected areas: 2662056

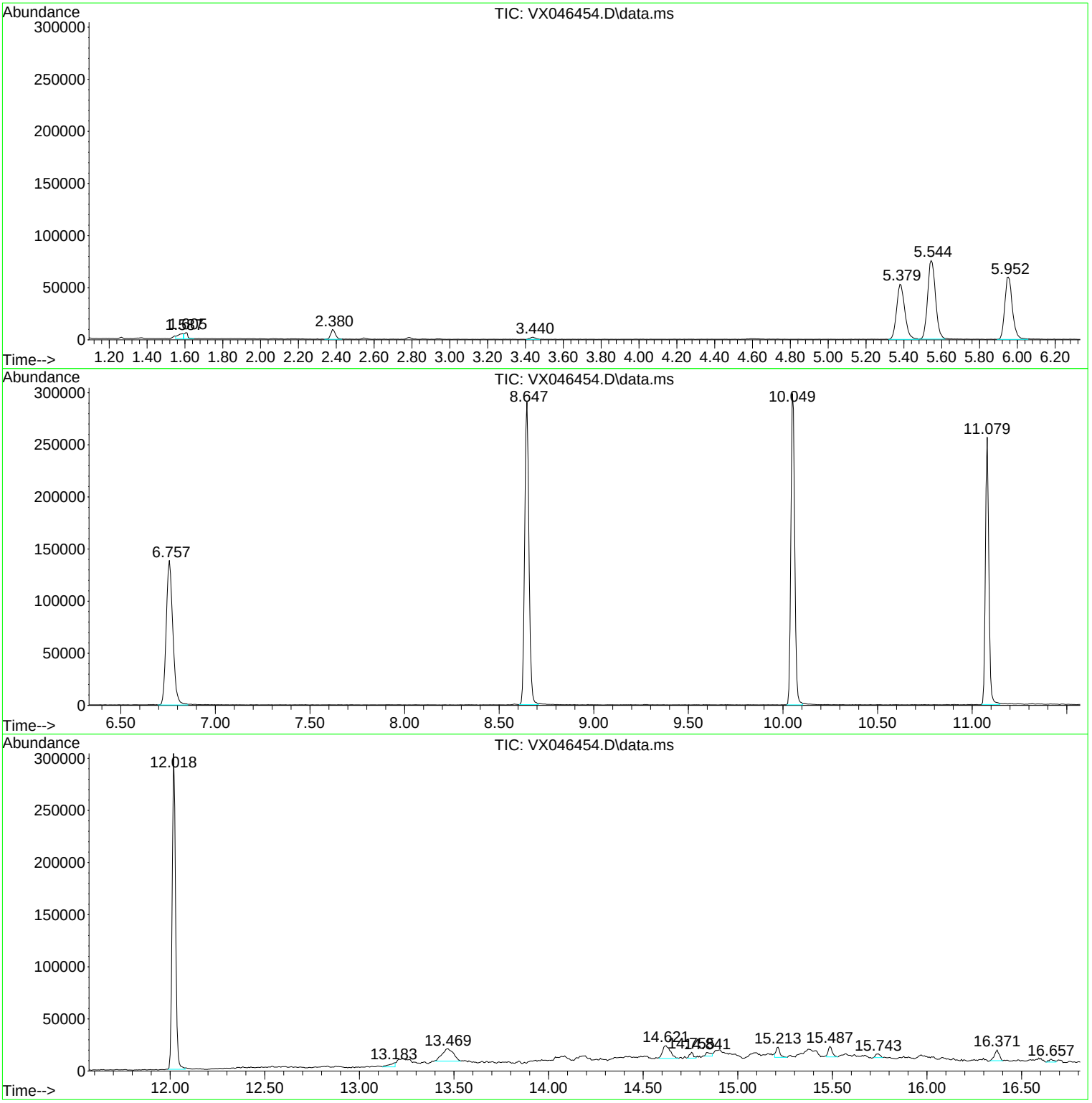
Sample Results: **VX046454.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

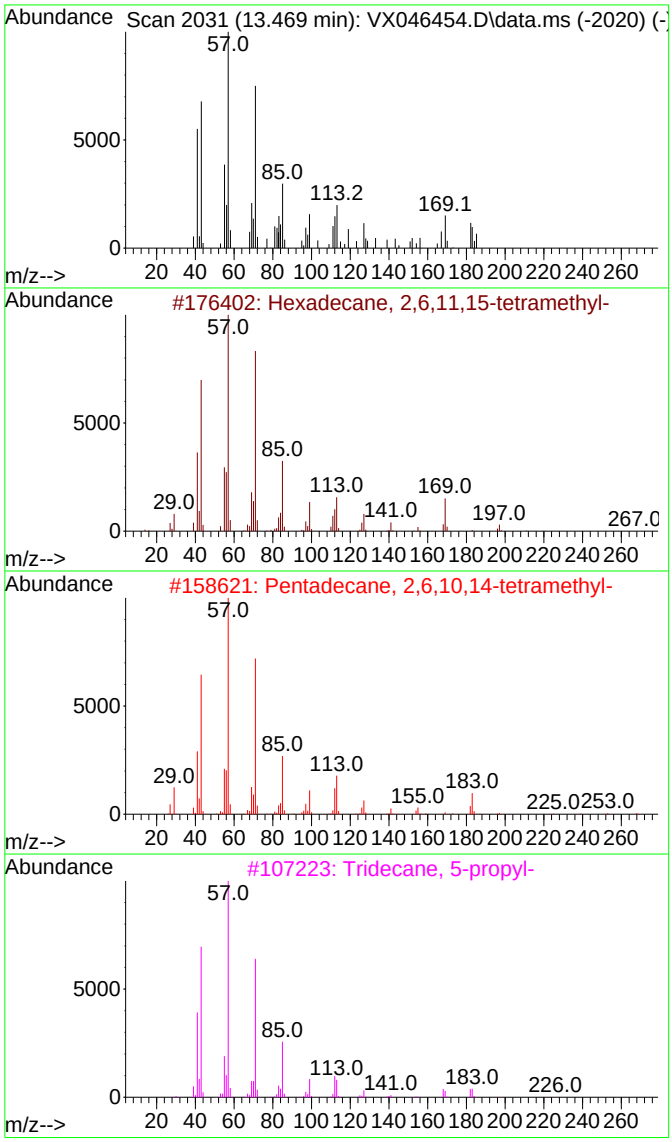
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

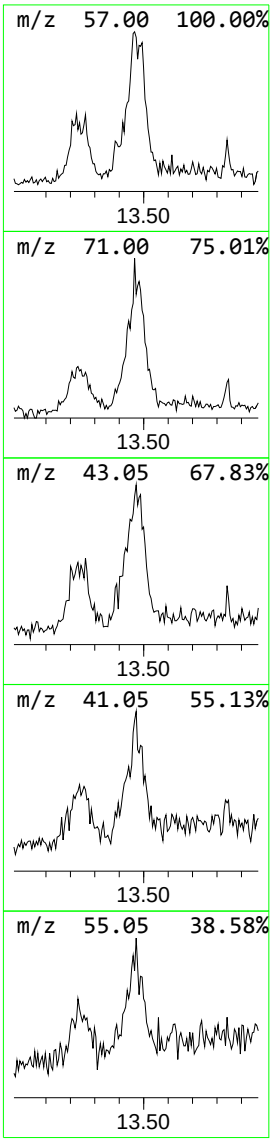
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Hexadecane, 2,6,11,15-tetra... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.469	6.50 ug/l	49228	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	80
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
4	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	72
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexadecane, 2,6...	13.469	6.5	ug/l	49228	4	12.018	378888	50.0

Raw Data: **VX046444.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	TB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046444.D	1		06/02/25 14:47	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	UQ	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VX046444.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	TB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046444.D	1		06/02/25 14:47	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60000	5.544			
540-36-3	1,4-Difluorobenzene	122000	6.757			
3114-55-4	Chlorobenzene-d5	117000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	49200	12.018			

Raw Data: **VX046444.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	TB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046444.D	1		06/02/25 14:47	VX060225

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_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Quant Time: Jun 03 01:30:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

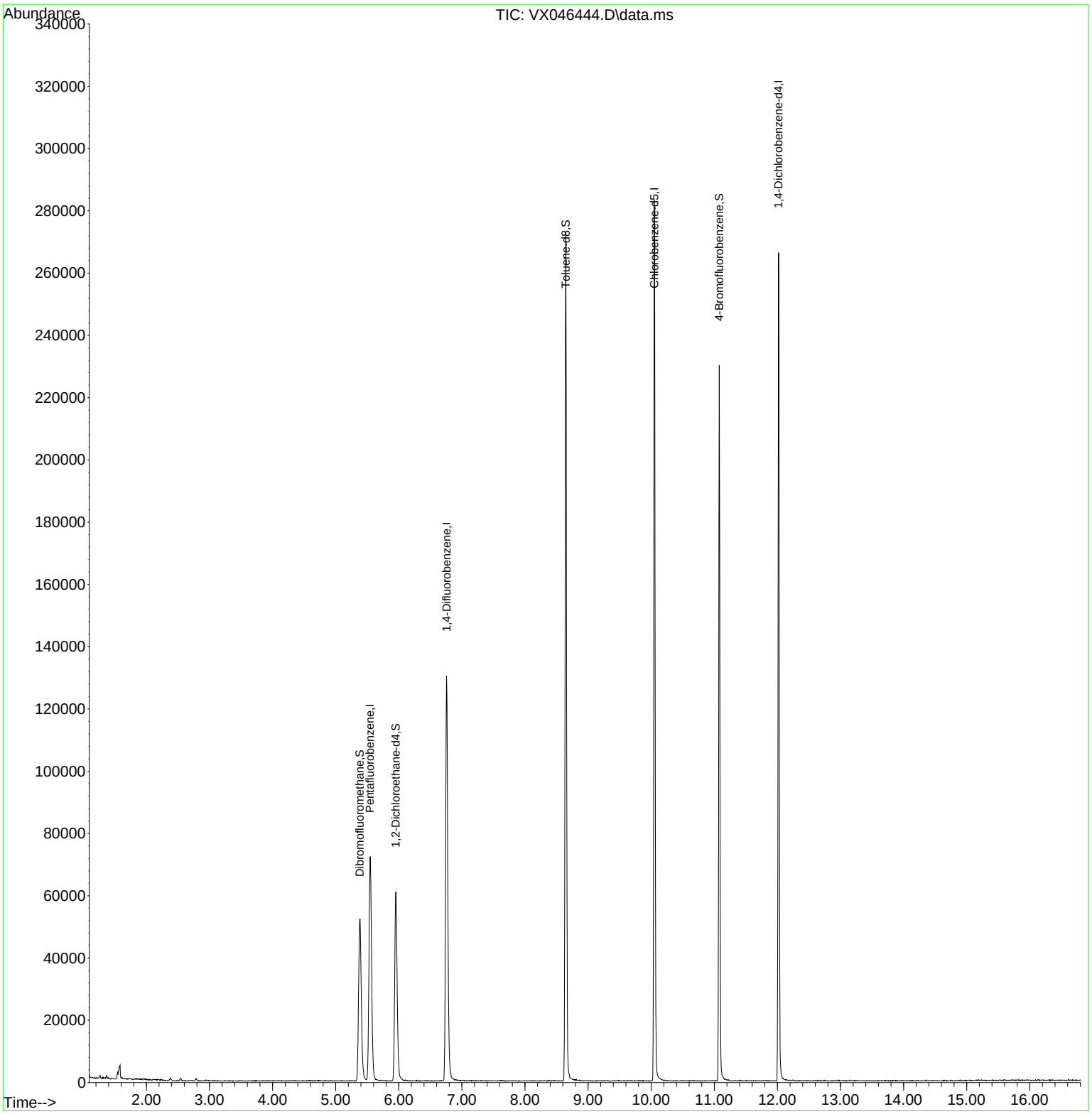
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	60024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122332	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62292	55.666	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.340%			
35) Dibromofluoromethane	5.379	113	45512	51.664	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.320%			
50) Toluene-d8	8.647	98	152857	50.134	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.260%			
62) 4-Bromofluorobenzene	11.079	95	60133	51.416	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.840%			
Target Compounds						Qvalue

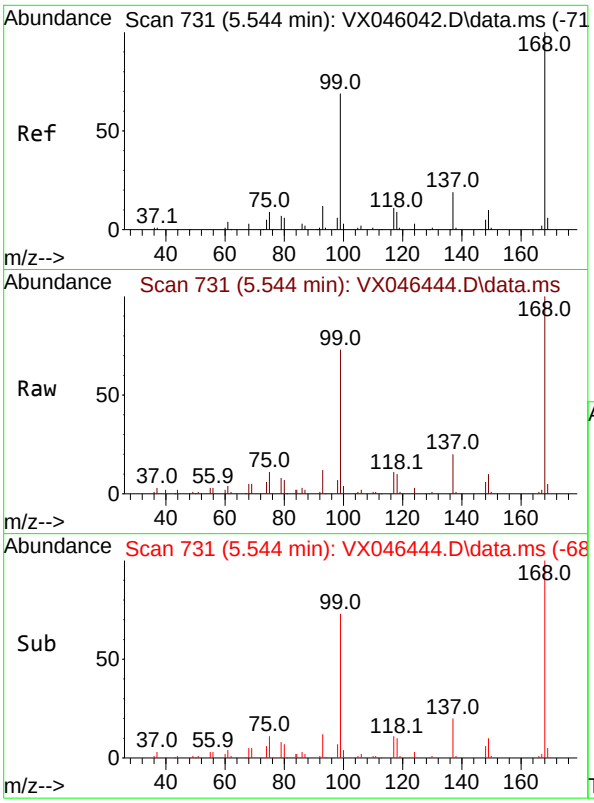
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Quant Time: Jun 03 01:30:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



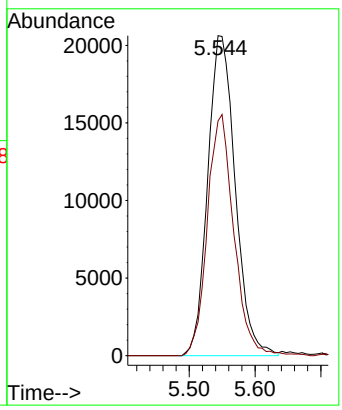


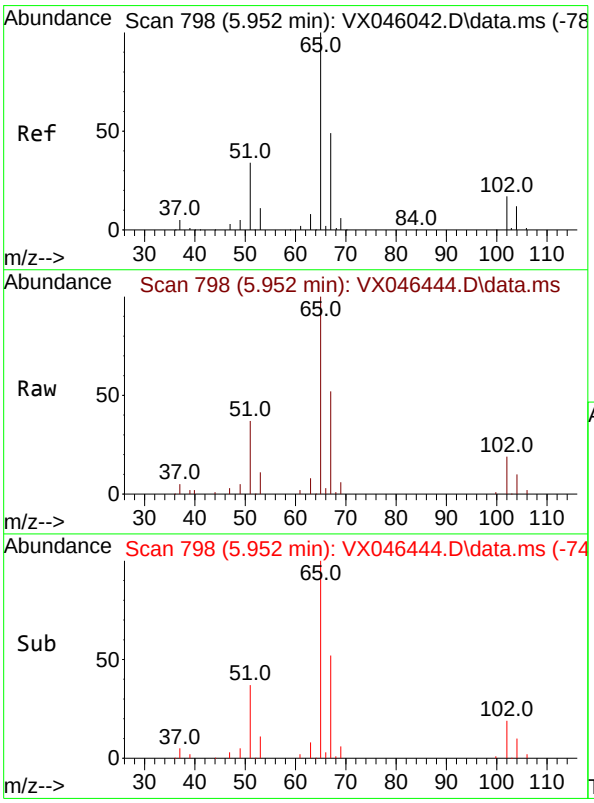
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Tgt Ion:168 Resp: 60024

Ion	Ratio	Lower	Upper
168	100		
99	73.3	54.9	82.3

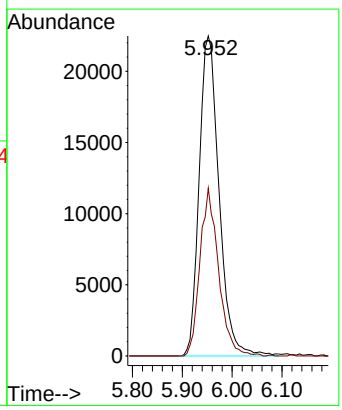


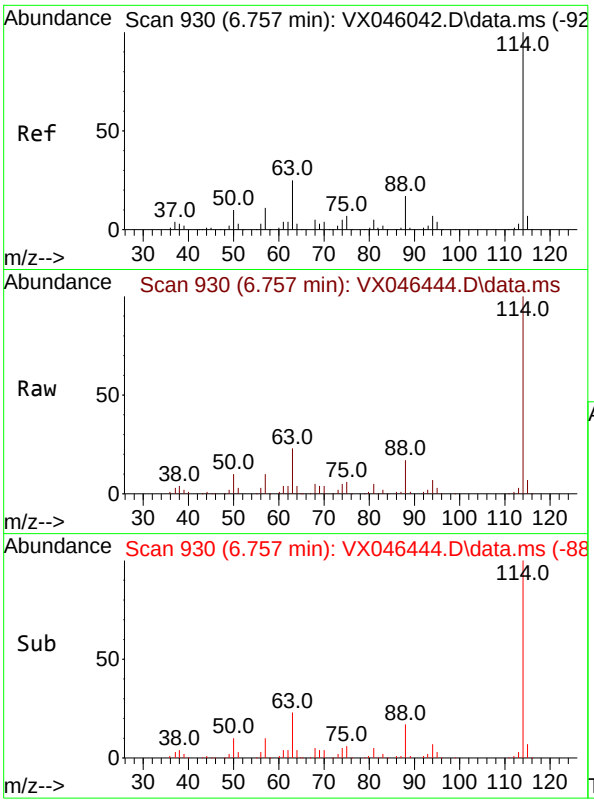


#33
1,2-Dichloroethane-d4
Concen: 55.666 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Tgt Ion: 65 Resp: 62292

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	99.0



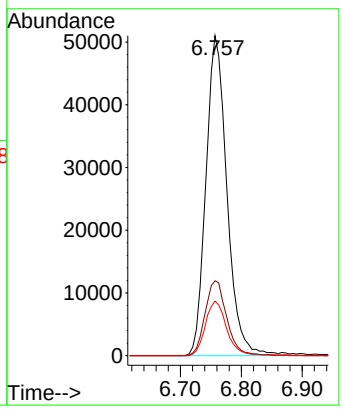


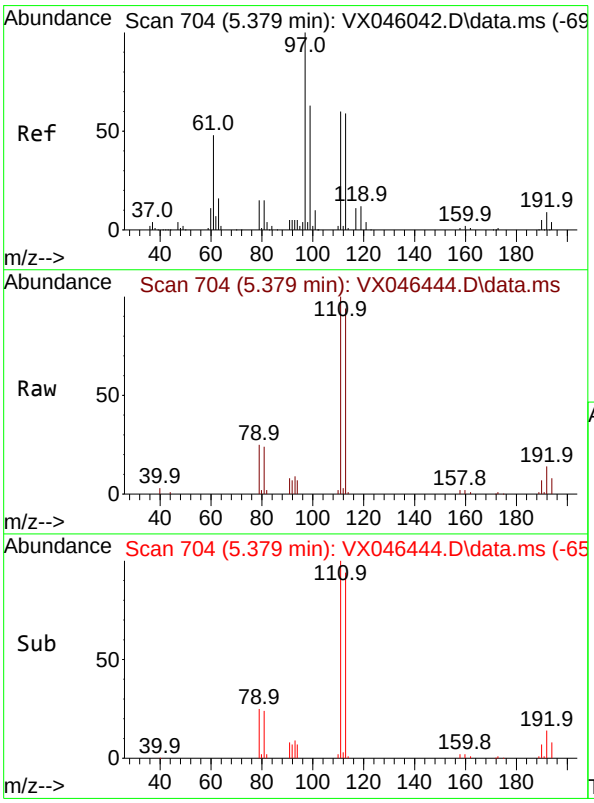
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Tgt Ion:114 Resp: 122332

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	49.2
88	17.1	0.0	33.6

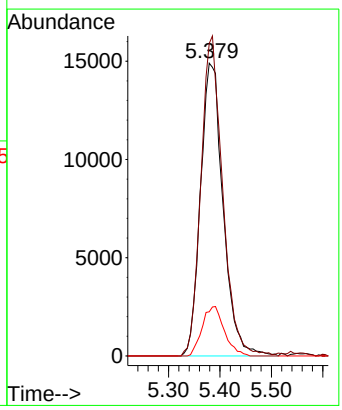


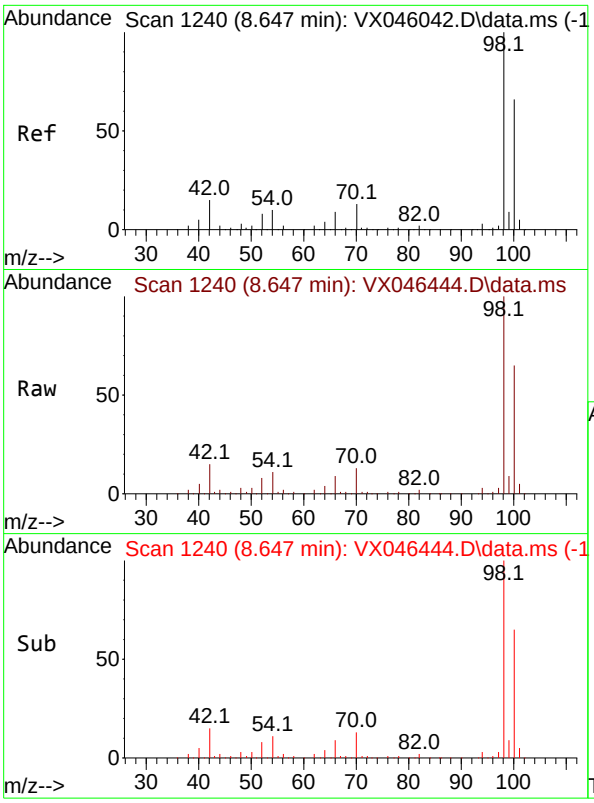


#35
Dibromofluoromethane
Concen: 51.664 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Tgt Ion:113 Resp: 45512

Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.1	124.7
192	16.6	13.3	19.9



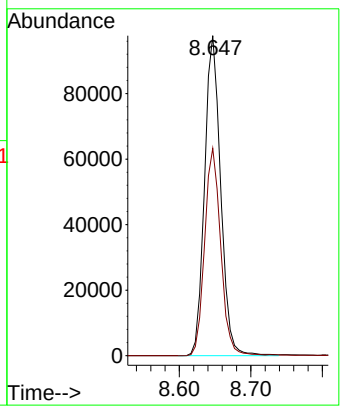


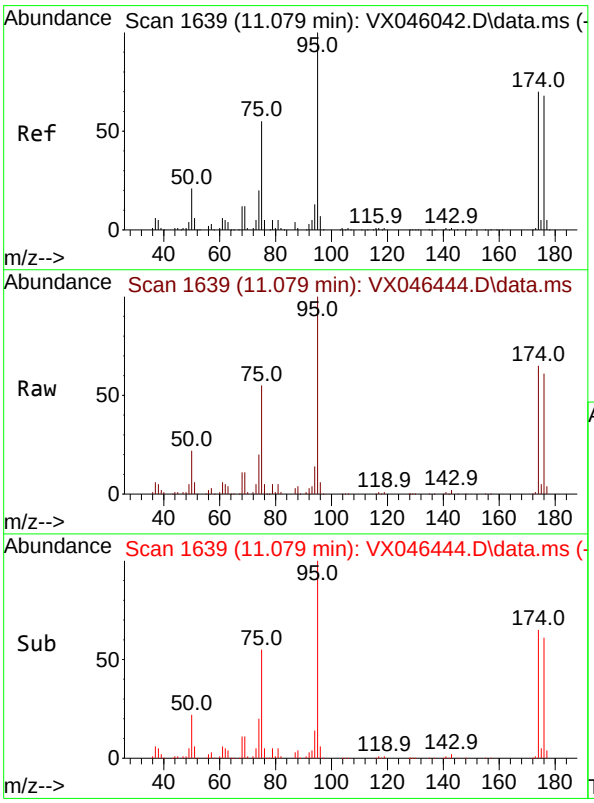
#50
Toluene-d8
Concen: 50.134 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Tgt Ion: 98 Resp: 152857

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.5	80.3

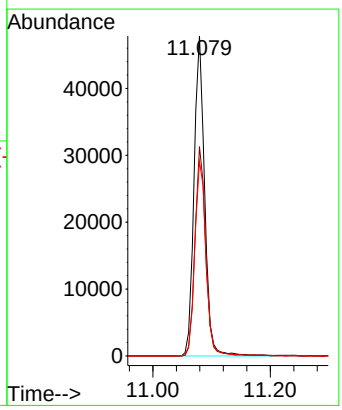


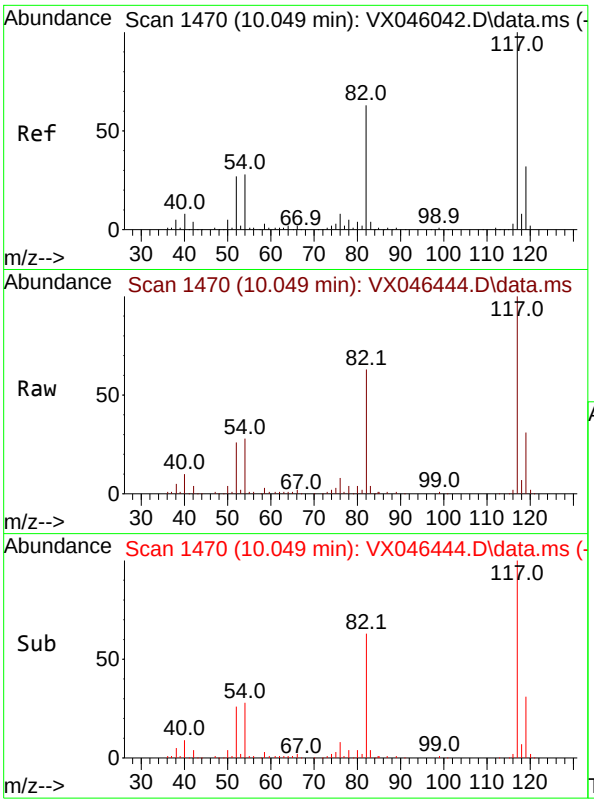


#62
4-Bromofluorobenzene
Concen: 51.416 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Tgt Ion: 95 Resp: 60133

Ion	Ratio	Lower	Upper
95	100		
174	66.0	0.0	135.8
176	63.7	0.0	131.4



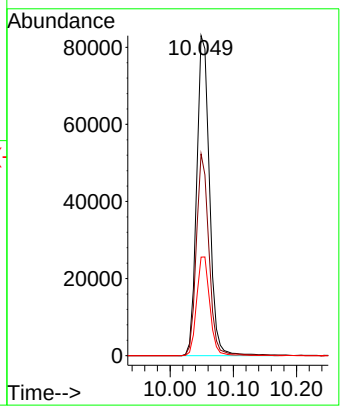


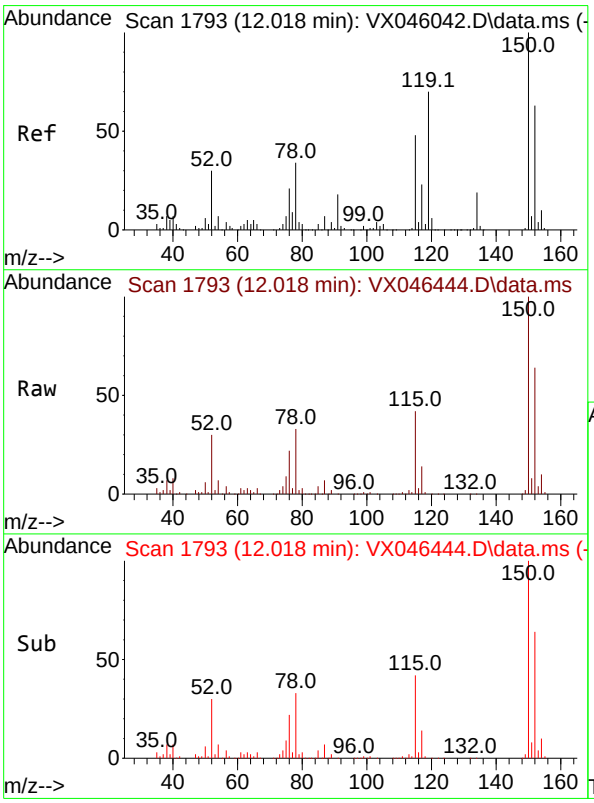
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Tgt Ion:117 Resp: 117285

Ion	Ratio	Lower	Upper
117	100		
82	63.0	50.6	76.0
119	30.8	25.8	38.6

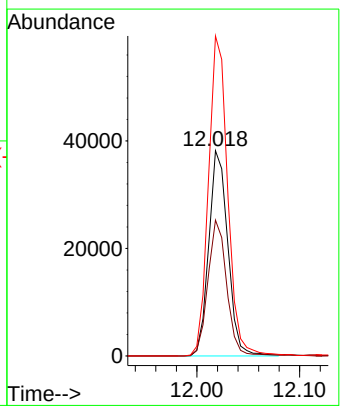




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Tgt Ion:152 Resp: 49224

Ion	Ratio	Lower	Upper
152	100		
115	65.5	46.9	140.7
150	157.2	0.0	351.0



Sample Results: **VX046444.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046444.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.581	76	81	85	rVB4	4182	6832	1.58%	0.297%
2	5.385	695	705	722	rBV2	52089	155617	36.10%	6.767%
3	5.550	722	732	745	rVV	71622	202319	46.93%	8.798%
4	5.952	788	798	817	rBV	60779	162795	37.76%	7.080%
5	6.757	921	930	950	rBV	130097	314504	72.95%	13.677%
6	8.647	1233	1240	1252	rBV	272823	431100	100.00%	18.748%
7	10.049	1465	1470	1494	rBV	282853	397135	92.12%	17.271%
8	11.079	1634	1639	1652	rBV	229882	291495	67.62%	12.677%
9	12.018	1788	1793	1804	rBV	266070	337688	78.33%	14.685%

Sum of corrected areas: 2299485

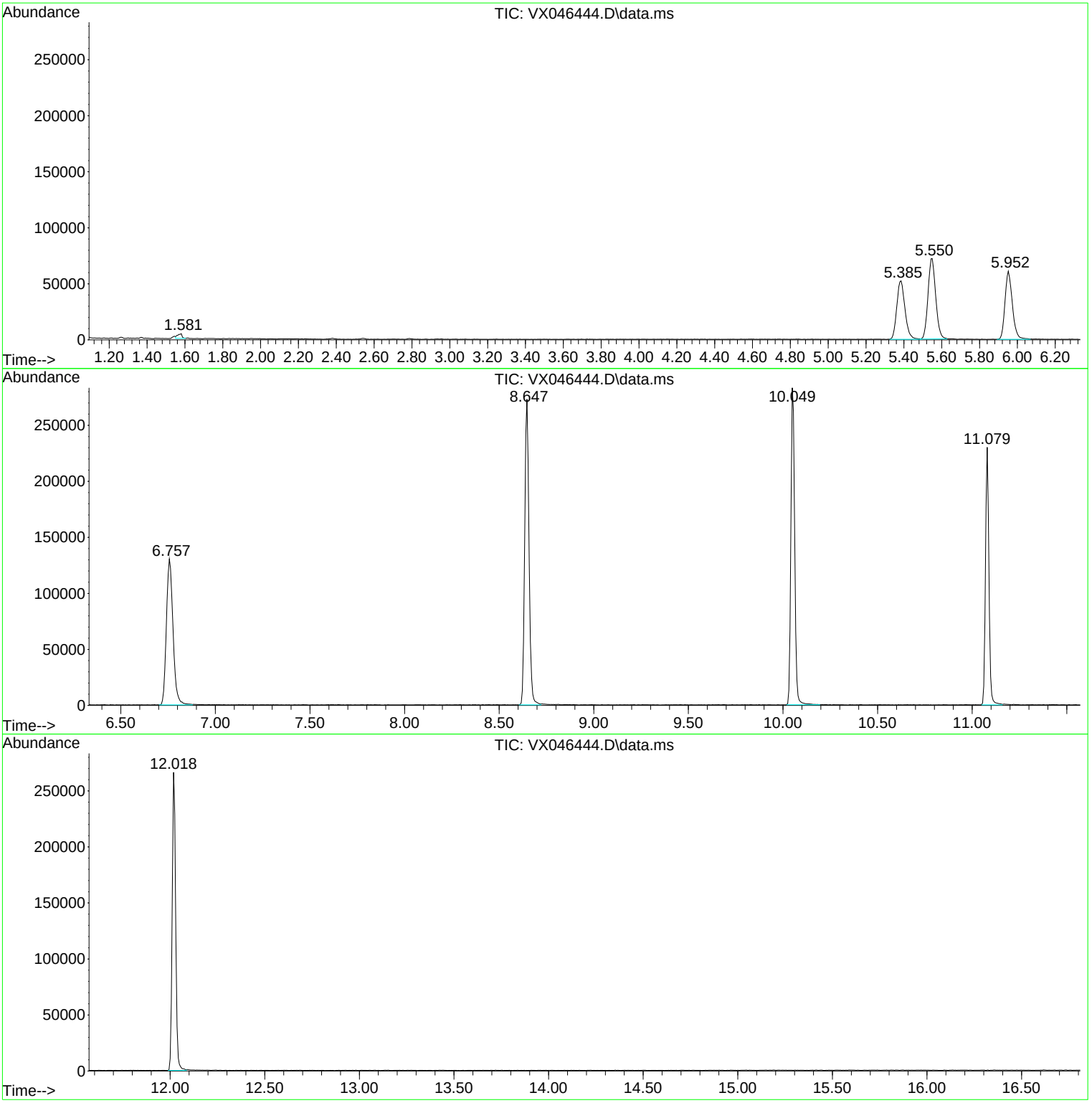
Sample Results: **VX046444.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX046444.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.697	0.864	0.859	0.875	0.639	0.658	0.765	14.6
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4
Trichlorofluoromethane	1.035	1.068	0.983	0.985	0.990	1.064	1.021	3.9
1,1,2-Trichlorotrifluoroethane	0.628	0.641	0.629	0.648	0.610	0.633	0.632	2.1
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4
Methyl Acetate	0.814	0.848	0.845	0.875	0.816	1.006	0.867	8.3
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
Cyclohexane	1.090	1.128	1.128	1.150	1.059		1.111	3.3
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
Bromochloromethane	0.628	0.578	0.595	0.590	0.553	0.576	0.587	4.3
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Methylcyclohexane	0.596	0.641	0.627	0.658	0.587	0.627	0.623	4.3
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5

* 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

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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3
1,2-Dibromoethane	0.359	0.373	0.368	0.381	0.333	0.322	0.356	6.5
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7
1,3-Dichlorobenzene	1.633	1.701	1.656	1.730	1.558	1.619	1.649	3.7
1,4-Dichlorobenzene	1.629	1.693	1.639	1.722	1.606	1.817	1.684	4.6
1,2-Dichlorobenzene	1.613	1.696	1.634	1.702	1.577	1.710	1.655	3.3
1,2-Dibromo-3-Chloropropane	0.299	0.322	0.329	0.356	0.248	0.259	0.302	13.9
1,2,4-Trichlorobenzene	0.861	0.981	1.035	1.123	0.842	0.862	0.951	12
1,2,3-Trichlorobenzene	0.921	1.019	1.051	1.107	0.846	0.941	0.981	9.7
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025
Response Via : Initial Calibration

Calibration Files
1 =VX046047.D 5 =VX046046.D 20 =VX046041.D 50 =VX046042.D 100 =VX046043.D 150 =VX046044.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.658	0.639	0.697	0.864	0.859	0.875	0.765	14.62
3)	P	Chloromethane	0.694	0.679	0.727	0.775	0.787	0.791	0.742	6.58
4)	C	Vinyl Chloride	0.673	0.619	0.660	0.710	0.727	0.755	0.691	7.17#
5)	T	Bromomethane		0.305	0.296	0.326	0.340	0.334	0.320	5.84
6)	T	Chloroethane	0.467	0.368	0.354	0.378	0.329	0.317	0.369	14.44
7)	T	Trichlorofluor...	1.064	0.990	1.035	1.068	0.983	0.985	1.021	3.92
8)	T	Diethyl Ether	0.403	0.311	0.340	0.337	0.338	0.355	0.347	8.83
9)	T	1,1,2-Trichlor...	0.633	0.610	0.628	0.641	0.629	0.648	0.632	2.10
10)	T	Methyl Iodide		0.608	0.767	0.806	0.793	0.763	0.747	10.68
11)	T	Tert butyl alc...		0.114	0.122	0.129	0.144	0.146	0.131	10.45
12)	CM	1,1-Dichloroet...	0.594	0.567	0.565	0.601	0.607	0.625	0.593	3.94#
13)	T	Acrolein		0.117	0.158	0.152	0.154	0.163	0.149	12.33
14)	T	Allyl chloride	1.052	1.058	1.127	1.179	1.187	1.196	1.133	5.75
15)	T	Acrylonitrile	0.363	0.345	0.378	0.388	0.381	0.390	0.374	4.52
16)	T	Acetone	0.380	0.408	0.361	0.362	0.361	0.370	0.374	4.90
17)	T	Carbon Disulfide	1.423	1.141	1.295	1.455	1.522	1.597	1.406	11.68
18)	T	Methyl Acetate	1.006	0.816	0.814	0.848	0.845	0.875	0.867	8.27
19)	T	Methyl tert-bu...	1.949	1.908	2.044	2.160	2.172	2.239	2.079	6.39
20)	T	Methylene Chlo...	0.853	0.689	0.689	0.684	0.691	0.691	0.716	9.39
21)	T	trans-1,2-Dich...	0.604	0.557	0.573	0.610	0.612	0.622	0.596	4.27
22)	T	Diisopropyl ether	2.095	1.924	2.219	2.278	2.295	2.321	2.189	6.97
23)	T	Vinyl Acetate	1.660	1.698	1.928	2.048	2.082	2.134	1.925	10.52
24)	P	1,1-Dichloroet...	1.116	1.154	1.233	1.263	1.263	1.286	1.219	5.60
25)	T	2-Butanone	0.495	0.539	0.540	0.555	0.558	0.569	0.543	4.77
26)	T	2,2-Dichloropr...	0.965	0.850	0.910	0.957	1.003	1.039	0.954	7.03
27)	T	cis-1,2-Dichlo...	0.719	0.642	0.716	0.737	0.738	0.755	0.718	5.55
28)	T	Bromochloromet...	0.576	0.553	0.628	0.578	0.595	0.590	0.587	4.28
29)	T	Tetrahydrofuran	0.318	0.318	0.340	0.350	0.351	0.362	0.340	5.36
30)	C	Chloroform	1.265	1.199	1.287	1.296	1.277	1.300	1.271	2.95#
31)	T	Cyclohexane		1.059	1.090	1.128	1.128	1.150	1.111	3.26
32)	T	1,1,1-Trichlor...	1.015	1.013	1.106	1.131	1.155	1.188	1.101	6.60
33)	S	1,2-Dichloroet...		0.935	0.953	0.910	0.930	0.932	0.932	1.65
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.354	0.359	0.355	0.364	0.368	0.360	1.70
36)	T	1,1-Dichloropr...	0.493	0.462	0.463	0.495	0.483	0.505	0.484	3.68
37)	T	Ethyl Acetate	0.586	0.582	0.569	0.611	0.609	0.631	0.598	3.83
38)	T	Carbon Tetrach...	0.541	0.505	0.528	0.558	0.552	0.577	0.544	4.61
39)	T	Methylcyclohexane	0.627	0.587	0.596	0.641	0.627	0.658	0.623	4.34
40)	TM	Benzene	1.348	1.337	1.426	1.474	1.441	1.477	1.417	4.30
41)	T	Methacrylonitrile	0.233	0.288	0.318	0.346	0.343	0.348	0.313	14.50
42)	TM	1,2-Dichloroet...	0.579	0.594	0.632	0.627	0.611	0.625	0.612	3.45
43)	T	Isopropyl Acetate	0.764	0.826	0.905	0.963	0.982	1.030	0.912	11.05
44)	TM	Trichloroethene	0.324	0.315	0.344	0.355	0.345	0.362	0.341	5.28
45)	C	1,2-Dichloropr...	0.317	0.324	0.356	0.371	0.368	0.378	0.352	7.37#
46)	T	Dibromomethane	0.263	0.262	0.285	0.287	0.280	0.289	0.278	4.35
47)	T	Bromodichlorom...	0.485	0.498	0.557	0.577	0.573	0.594	0.547	8.22
48)	T	Methyl methacr...	0.370	0.426	0.465	0.502	0.500	0.531	0.466	12.75
49)	T	1,4-Dioxane	0.007	0.009	0.009	0.009	0.009	0.010	0.009	8.45
50)	S	Toluene-d8		1.221	1.246	1.223	1.266	1.275	1.246	1.95
51)	T	4-Methyl-2-Pen...	0.561	0.555	0.620	0.634	0.630	0.631	0.605	6.04
52)	CM	Toluene	0.803	0.838	0.884	0.898	0.885	0.904	0.869	4.54#
53)	T	t-1,3-Dichloro...	0.371	0.406	0.468	0.528	0.555	0.591	0.487	17.86
54)	T	cis-1,3-Dichlo...	0.423	0.469	0.531	0.578	0.602	0.623	0.538	14.61
55)	T	1,1,2-Trichlor...	0.308	0.337	0.349	0.354	0.351	0.356	0.343	5.30
56)	T	Ethyl methacry...	0.377	0.508	0.540	0.595	0.617	0.639	0.546	17.58

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X050525W.M

57)	T	1,3-Dichloropr...	0.610	0.601	0.618	0.623	0.613	0.627	0.615	1.53
58)	T	2-Chloroethyl ...	0.230	0.247	0.270	0.307	0.303	0.313	0.278	12.41
59)	T	2-Hexanone	0.385	0.414	0.466	0.473	0.477	0.473	0.448	8.69
60)	T	Dibromochlorom...	0.306	0.326	0.378	0.400	0.415	0.431	0.376	13.28
61)	T	1,2-Dibromoethane	0.322	0.333	0.359	0.373	0.368	0.381	0.356	6.54
62)	S	4-Bromofluorob...		0.464	0.455	0.470	0.500	0.500	0.478	4.41
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.347	0.323	0.390	0.375	0.345	0.344	0.354	6.84
65)	PM	Chlorobenzene	1.131	1.046	1.093	1.098	1.085	1.114	1.094	2.65
66)	T	1,1,1,2-Tetrac...	0.369	0.341	0.365	0.390	0.382	0.395	0.374	5.22
67)	C	Ethyl Benzene	1.803	1.816	1.919	2.022	1.979	2.036	1.929	5.24#
68)	T	m/p-Xylenes	0.648	0.678	0.706	0.740	0.721	0.740	0.706	5.21
69)	T	o-Xylene	0.642	0.639	0.688	0.727	0.706	0.726	0.688	5.75
70)	T	Styrene	0.951	1.012	1.135	1.219	1.214	1.230	1.127	10.56
71)	P	Bromoform	0.234	0.236	0.270	0.304	0.312	0.327	0.281	14.17
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.789	3.562	3.843	4.130	3.876	4.156	3.893	5.72
74)	T	N-amyl acetate	1.715	1.652	1.846	2.067	2.068	2.192	1.924	11.32
75)	P	1,1,2,2-Tetrac...	1.552	1.350	1.315	1.338	1.284	1.345	1.364	6.97
76)	T	1,2,3-Trichlor...	1.405	1.167	1.151	1.187	1.131	1.181	1.204	8.36
77)	T	Bromobenzene	0.926	0.862	0.896	0.928	0.883	0.928	0.904	3.08
78)	T	n-propylbenzene	4.272	4.186	4.394	4.854	4.583	4.868	4.526	6.45
79)	T	2-Chlorotoluene	3.184	2.748	2.832	2.994	2.805	2.953	2.919	5.45
80)	T	1,3,5-Trimethy...	3.036	3.053	3.275	3.487	3.255	3.405	3.252	5.60
81)	T	trans-1,4-Dich...		0.269	0.335	0.385	0.410	0.449	0.370	18.91
82)	T	4-Chlorotoluene	3.226	2.939	3.196	3.430	3.255	3.379	3.238	5.32
83)	T	tert-Butylbenzene	3.341	3.098	3.115	3.435	3.255	3.411	3.276	4.44
84)	T	1,2,4-Trimethy...	3.150	3.034	3.274	3.522	3.335	3.444	3.293	5.52
85)	T	sec-Butylbenzene	3.708	3.767	3.937	4.282	4.095	4.343	4.022	6.55
86)	T	p-Isopropyltol...	3.025	3.084	3.206	3.555	3.450	3.599	3.320	7.44
87)	T	1,3-Dichlorobe...	1.619	1.558	1.633	1.701	1.656	1.729	1.649	3.71
88)	T	1,4-Dichlorobe...	1.817	1.606	1.629	1.693	1.639	1.722	1.684	4.64
89)	T	n-Butylbenzene	2.443	2.650	2.748	3.147	3.139	3.346	2.912	12.00
90)	T	Hexachloroethane	0.511	0.523	0.551	0.622	0.622	0.680	0.585	11.44
91)	T	1,2-Dichlorobe...	1.710	1.577	1.613	1.696	1.634	1.702	1.655	3.34
92)	T	1,2-Dibromo-3-...	0.259	0.248	0.299	0.322	0.329	0.356	0.302	13.89
93)	T	1,2,4-Trichlor...	0.862	0.842	0.861	0.981	1.035	1.123	0.951	12.03
94)	T	Hexachlorobuta...	0.393	0.414	0.394	0.427	0.418	0.445	0.415	4.79
95)	T	Naphthalene	3.499	2.929	3.204	3.613	3.690	3.984	3.487	10.69
96)	T	1,2,3-Trichlor...	0.941	0.846	0.921	1.019	1.051	1.107	0.981	9.74

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	83671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	31909	12.820	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	25.640%#		
35) Dibromofluoromethane	5.385	113	21112	12.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	25.600%#		
50) Toluene-d8	8.646	98	73333	13.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	26.400%#		
62) 4-Bromofluorobenzene	11.079	95	26760	13.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	26.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23341	12.638	ug/l	96
3) Chloromethane	1.306	50	24316	13.371	ug/l	98
4) Vinyl Chloride	1.373	62	22096	13.868	ug/l	94
5) Bromomethane	1.593	94	9920	12.279	ug/l	93
6) Chloroethane	1.666	64	11832	14.414	ug/l	95
7) Trichlorofluoromethane	1.873	101	34636	14.271	ug/l	100
8) Diethyl Ether	2.129	74	11392	14.278	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.324	101	21027	14.499	ug/l	98
10) Methyl Iodide	2.446	142	25661	15.070	ug/l	99
11) Tert butyl alcohol	2.971	59	20370	68.662	ug/l	97
12) 1,1-Dichloroethene	2.312	96	18899	13.385	ug/l	98
13) Acrolein	2.233	56	26427	76.689	ug/l	95
14) Allyl chloride	2.660	41	37708	14.133	ug/l	99
15) Acrylonitrile	3.062	53	63290	71.312	ug/l	98
16) Acetone	2.379	43	60363	70.884	ug/l	99
17) Carbon Disulfide	2.501	76	43348	13.251	ug/l	100
18) Methyl Acetate	2.702	43	27234	13.397	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	68402	13.890	ug/l	100
20) Methylene Chloride	2.782	84	23050	13.362	ug/l	96
21) trans-1,2-Dichloroethene	3.086	96	19161	13.294	ug/l	96
22) Diisopropyl ether	3.763	45	74257	14.896	ug/l	95
23) Vinyl Acetate	3.720	43	322598	73.230	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41257	14.082	ug/l	98
25) 2-Butanone	4.556	43	90331	73.489	ug/l	98
26) 2,2-Dichloropropane	4.470	77	30472	13.729	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	23970	13.791	ug/l	98
28) Bromochloromethane	4.897	49	21028	13.497	ug/l	99
29) Tetrahydrofuran	5.007	42	56819	71.175	ug/l	100
30) Chloroform	5.086	83	43065	14.144	ug/l	95
31) Cyclohexane	5.458	56	36470	14.769	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	37003	14.092	ug/l	98
36) 1,1-Dichloropropene	5.684	75	27242	14.231	ug/l	98
37) Ethyl Acetate	4.720	43	33458	13.931	ug/l	98
38) Carbon Tetrachloride	5.671	117	31091	14.137	ug/l	98
39) Methylcyclohexane	7.372	83	35077	14.623	ug/l	99
40) Benzene	6.031	78	83898	14.140	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	18732	14.038	ug/l		95
42) 1,2-Dichloroethane	6.080	62	37203	15.165	ug/l		100
43) Isopropyl Acetate	6.342	43	53275	14.512	ug/l		99
44) Trichloroethene	7.116	130	20239	14.429	ug/l		99
45) 1,2-Dichloropropane	7.427	63	20940	14.204	ug/l		98
46) Dibromomethane	7.580	93	16781	14.439	ug/l		99
47) Bromodichloromethane	7.817	83	32762	14.545	ug/l		94
48) Methyl methacrylate	7.689	41	27374	14.521	ug/l		100
49) 1,4-Dioxane	7.659	88	10585	282.442	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	182455	75.775	ug/l		98
52) Toluene	8.713	92	52030	14.788	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27549	14.566	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	31226	14.154	ug/l		98
55) 1,1,2-Trichloroethane	9.152	97	20536	14.442	ug/l		96
56) Ethyl methacrylate	9.116	69	31787	14.425	ug/l		98
57) 1,3-Dichloropropane	9.305	76	36341	14.417	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	79531	80.312	ug/l		100
59) 2-Hexanone	9.427	43	137054	74.997	ug/l		99
60) Dibromochloromethane	9.518	129	22267	14.387	ug/l		99
61) 1,2-Dibromoethane	9.610	107	21113	14.458	ug/l		96
64) Tetrachloroethene	9.268	164	19924	15.263	ug/l		97
65) Chlorobenzene	10.079	112	55863	14.202	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	18671	14.231	ug/l		98
67) Ethyl Benzene	10.189	91	98113	14.631	ug/l		100
68) m/p-Xylenes	10.299	106	72202	29.806	ug/l		99
69) o-Xylene	10.640	106	35178	14.408	ug/l		96
70) Styrene	10.652	104	58034	14.853	ug/l		98
71) Bromoform	10.799	173	13825	14.030	ug/l	#	100
73) Isopropylbenzene	10.957	105	93013	14.096	ug/l		99
74) N-amyl acetate	10.841	43	44684	13.581	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	31830	13.560	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	27845m	11.039	ug/l		
77) Bromobenzene	11.195	156	21695	14.212	ug/l		96
78) n-propylbenzene	11.298	91	106337	14.376	ug/l		99
79) 2-Chlorotoluene	11.359	91	68534	13.748	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	79261	14.468	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8104	13.371	ug/l		91
82) 4-Chlorotoluene	11.451	91	77338	14.116	ug/l		100
83) tert-Butylbenzene	11.713	119	75382	14.011	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	79232	14.480	ug/l		99
85) sec-Butylbenzene	11.890	105	95271	14.263	ug/l		100
86) p-Isopropyltoluene	12.006	119	77599	14.387	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	39520	13.898	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	39419	14.146	ug/l		99
89) n-Butylbenzene	12.329	91	66506	14.184	ug/l		99
90) Hexachloroethane	12.536	117	13332	13.287	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	39031	14.092	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7232	13.535	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	20846	13.745	ug/l		99
94) Hexachlorobutadiene	13.725	225	9524	13.426	ug/l		97
95) Naphthalene	13.774	128	77542	14.040	ug/l		99
96) 1,2,3-Trichlorobenzene	13.956	180	22301	14.023	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 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

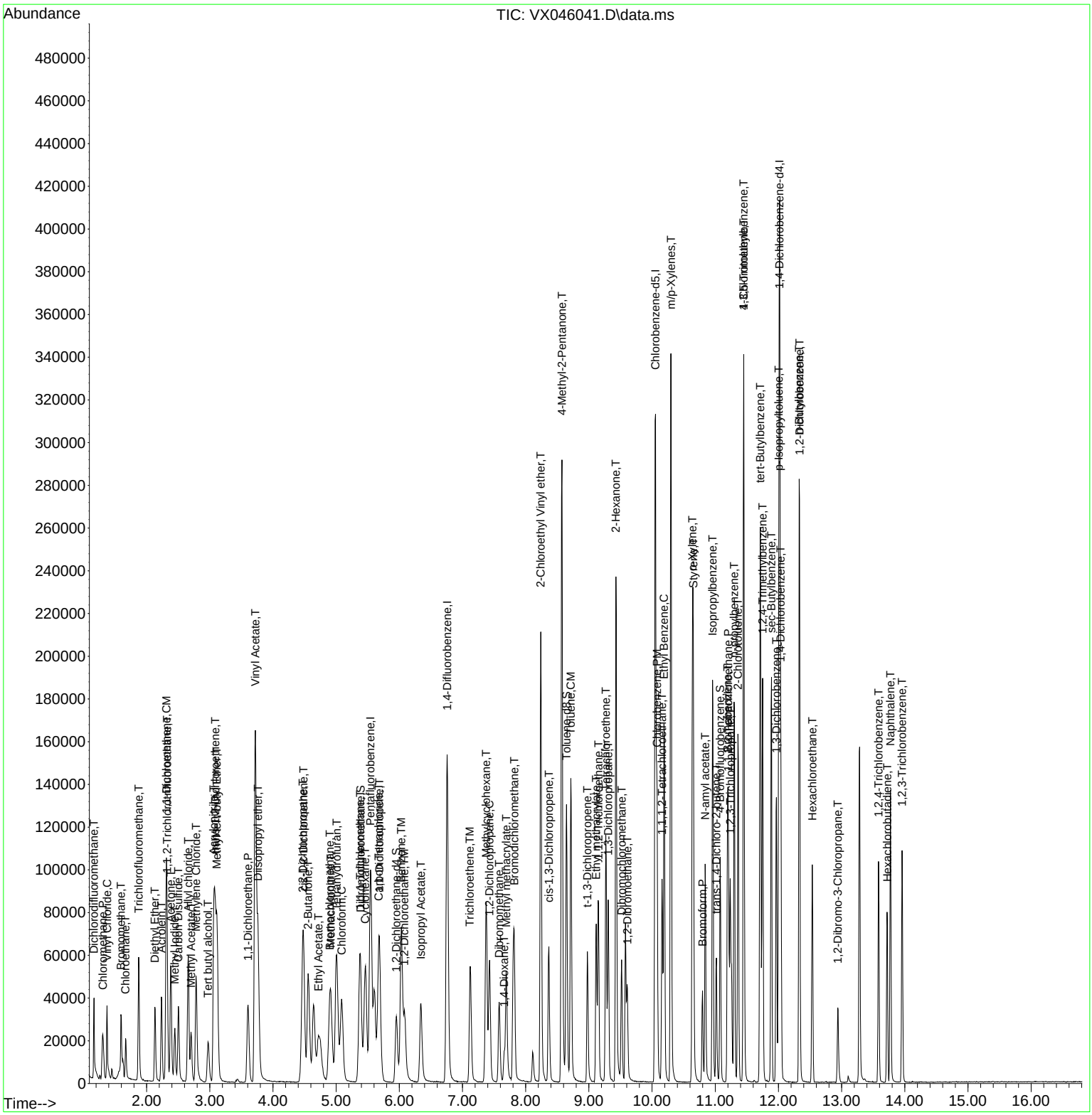
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	97076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88371	30.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	61.200%#		
35) Dibromofluoromethane	5.379	113	59550	31.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	63.260%#		
50) Toluene-d8	8.647	98	205479	32.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	64.780%#		
62) 4-Bromofluorobenzene	11.079	95	79012	34.229	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	68.460%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	83826	39.120	ug/l	100
3) Chloromethane	1.307	50	75238	35.658	ug/l	100
4) Vinyl Chloride	1.374	62	68901	37.273	ug/l	100
5) Bromomethane	1.593	94	31648	33.765	ug/l	100
6) Chloroethane	1.666	64	36722	38.558	ug/l	100
7) Trichlorofluoromethane	1.874	101	103693	36.824	ug/l	100
8) Diethyl Ether	2.136	74	32724	35.350	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	62251	36.997	ug/l	100
10) Methyl Iodide	2.447	142	78277	39.622	ug/l	100
11) Tert butyl alcohol	2.977	59	62557	181.745	ug/l	100
12) 1,1-Dichloroethene	2.313	96	58334	35.610	ug/l	100
13) Acrolein	2.233	56	73927	184.907	ug/l	100
14) Allyl chloride	2.654	41	114445	36.971	ug/l	100
15) Acrylonitrile	3.062	53	188304	182.874	ug/l	100
16) Acetone	2.386	43	175777	177.910	ug/l	100
17) Carbon Disulfide	2.502	76	141281	37.223	ug/l	100
18) Methyl Acetate	2.703	43	82347	34.915	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	209665	36.695	ug/l	100
20) Methylene Chloride	2.782	84	66412	33.182	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	59234	35.421	ug/l	100
22) Diisopropyl ether	3.757	45	221172	38.241	ug/l	100
23) Vinyl Acetate	3.721	43	994236	194.528	ug/l	100
24) 1,1-Dichloroethane	3.605	63	122601	36.067	ug/l	100
25) 2-Butanone	4.556	43	269224	188.783	ug/l	100
26) 2,2-Dichloropropane	4.465	77	92857	36.059	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71518	35.466	ug/l	100
28) Bromochloromethane	4.898	49	56091	31.031	ug/l	100
29) Tetrahydrofuran	5.001	42	170124	183.679	ug/l	100
30) Chloroform	5.087	83	125850	35.626	ug/l	100
31) Cyclohexane	5.464	56	109459	38.205	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	109781	36.034	ug/l	100
36) 1,1-Dichloropropene	5.684	75	83215	38.073	ug/l	100
37) Ethyl Acetate	4.715	43	102537	37.394	ug/l	100
38) Carbon Tetrachloride	5.672	117	93712	37.320	ug/l	100
39) Methylcyclohexane	7.373	83	107651	39.307	ug/l	100
40) Benzene	6.031	78	247476	36.530	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	58082	38.123	ug/l		100
42) 1,2-Dichloroethane	6.080	62	105332	37.605	ug/l		100
43) Isopropyl Acetate	6.336	43	161787	38.598	ug/l		100
44) Trichloroethene	7.123	130	59623	37.230	ug/l		100
45) 1,2-Dichloropropane	7.428	63	62387	37.064	ug/l		100
46) Dibromomethane	7.574	93	48201	36.326	ug/l		100
47) Bromodichloromethane	7.818	83	96916	37.685	ug/l		100
48) Methyl methacrylate	7.690	41	84277	39.157	ug/l		100
49) 1,4-Dioxane	7.659	88	30529	713.477	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	532388	193.653	ug/l		100
52) Toluene	8.714	92	150757	37.530	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	88655	41.056	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	97031	38.521	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	59499	36.648	ug/l		100
56) Ethyl methacrylate	9.116	69	99947	39.726	ug/l		100
57) 1,3-Dichloropropane	9.305	76	104606	36.347	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	257678	227.902	ug/l		100
59) 2-Hexanone	9.427	43	396784	190.168	ug/l		100
60) Dibromochloromethane	9.519	129	67198	38.027	ug/l		100
61) 1,2-Dibromoethane	9.604	107	62633	37.567	ug/l		100
64) Tetrachloroethene	9.269	164	54853	36.726	ug/l		100
65) Chlorobenzene	10.079	112	160600	35.686	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57066	38.017	ug/l		100
67) Ethyl Benzene	10.189	91	295712	38.543	ug/l		100
68) m/p-Xylenes	10.299	106	216578	78.142	ug/l		100
69) o-Xylene	10.640	106	106335	38.064	ug/l		100
70) Styrene	10.653	104	178313	39.888	ug/l		100
71) Bromoform	10.799	173	44486	39.457	ug/l	#	100
73) Isopropylbenzene	10.957	105	280719	37.865	ug/l		100
74) N-amyl acetate	10.842	43	140509	38.012	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	90975	34.495	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	80678m	28.468	ug/l		
77) Bromobenzene	11.195	156	63053	36.763	ug/l		100
78) n-propylbenzene	11.299	91	329981	39.707	ug/l		100
79) 2-Chlorotoluene	11.360	91	203509	36.336	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	237066	38.516	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	26179	38.445	ug/l		100
82) 4-Chlorotoluene	11.451	91	233172	37.880	ug/l		100
83) tert-Butylbenzene	11.713	119	233468	38.622	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	239433	38.946	ug/l		100
85) sec-Butylbenzene	11.890	105	291074	38.786	ug/l		100
86) p-Isopropyltoluene	12.006	119	241658	39.879	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	115651	36.199	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115097	36.763	ug/l		100
89) n-Butylbenzene	12.329	91	213899	40.603	ug/l		100
90) Hexachloroethane	12.536	117	42314	37.534	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	115286	37.047	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21909	36.496	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	66655	39.117	ug/l		100
94) Hexachlorobutadiene	13.725	225	29007	36.395	ug/l		100
95) Naphthalene	13.774	128	245568	39.575	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	69262	38.765	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 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

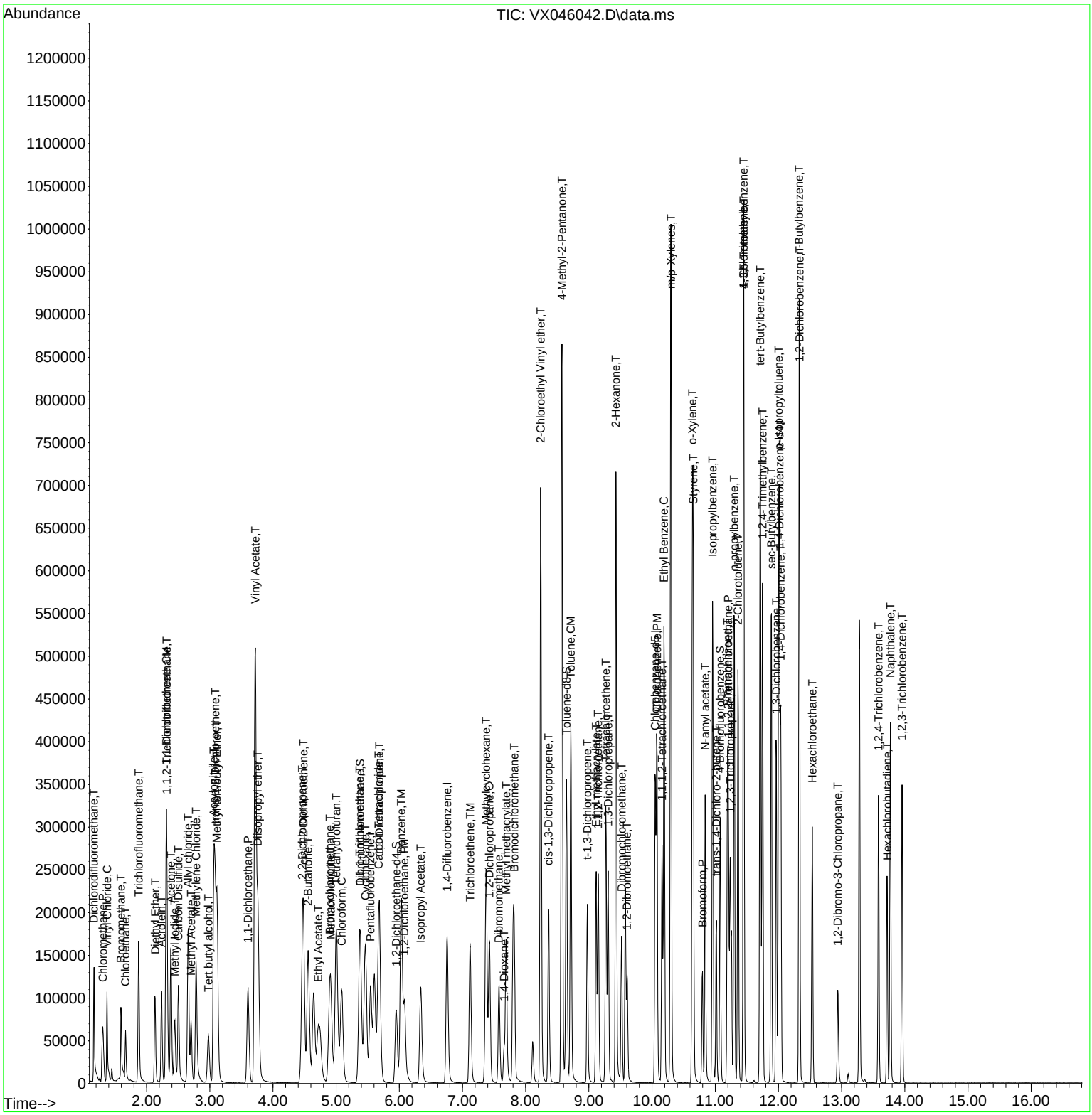
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	87028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161877	62.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.060%#			
35) Dibromofluoromethane	5.379	113	111455	65.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 130.020%#			
50) Toluene-d8	8.647	98	387230	67.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 134.060%#			
62) 4-Bromofluorobenzene	11.079	95	153085	72.818	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 145.640%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	149508	77.828	ug/l	99
3) Chloromethane	1.307	50	136937	72.392	ug/l	98
4) Vinyl Chloride	1.374	62	126609	76.398	ug/l	98
5) Bromomethane	1.593	94	59246	70.507	ug/l	99
6) Chloroethane	1.660	64	57332	67.148	ug/l	99
7) Trichlorofluoromethane	1.867	101	171042	67.754	ug/l	99
8) Diethyl Ether	2.136	74	58762	70.807	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	109520	72.604	ug/l	99
10) Methyl Iodide	2.440	142	138045	77.943	ug/l	100
11) Tert butyl alcohol	2.995	59	125094	405.394	ug/l	100
12) 1,1-Dichloroethene	2.306	96	105566	71.884	ug/l	96
13) Acrolein	2.239	56	134456	375.132	ug/l	99
14) Allyl chloride	2.660	41	206519	74.419	ug/l	98
15) Acrylonitrile	3.068	53	331142	358.723	ug/l	97
16) Acetone	2.386	43	314383	354.936	ug/l	98
17) Carbon Disulfide	2.501	76	264956	77.867	ug/l	100
18) Methyl Acetate	2.703	43	147014	69.531	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	378113	73.818	ug/l	100
20) Methylene Chloride	2.782	84	120270	67.030	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	106606	71.109	ug/l	99
22) Diisopropyl ether	3.763	45	399494	77.048	ug/l	90
23) Vinyl Acetate	3.721	43	1811550	395.363	ug/l	100
24) 1,1-Dichloroethane	3.605	63	219759	72.114	ug/l	99
25) 2-Butanone	4.556	43	485448	379.704	ug/l	100
26) 2,2-Dichloropropane	4.464	77	174579	75.621	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	128454	71.056	ug/l	99
28) Bromochloromethane	4.891	49	103602	63.932	ug/l	100
29) Tetrahydrofuran	5.001	42	305757	368.234	ug/l	99
30) Chloroform	5.086	83	222253	70.180	ug/l	95
31) Cyclohexane	5.458	56	196302	76.428	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	201112	73.635	ug/l	98
36) 1,1-Dichloropropene	5.690	75	147873	74.285	ug/l	99
37) Ethyl Acetate	4.714	43	186215	74.565	ug/l	99
38) Carbon Tetrachloride	5.672	117	168946	73.875	ug/l	99
39) Methylcyclohexane	7.372	83	191941	76.952	ug/l	96
40) Benzene	6.031	78	440885	71.457	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	104863	75.574	ug/l		98
42) 1,2-Dichloroethane	6.080	62	187036	73.318	ug/l		99
43) Isopropyl Acetate	6.342	43	300491	78.714	ug/l		100
44) Trichloroethene	7.123	130	105628	72.420	ug/l		98
45) 1,2-Dichloropropane	7.427	63	112554	73.420	ug/l		100
46) Dibromomethane	7.574	93	85728	70.938	ug/l		100
47) Bromodichloromethane	7.818	83	175301	74.845	ug/l		99
48) Methyl methacrylate	7.689	41	153093	78.101	ug/l		99
49) 1,4-Dioxane	7.659	88	57313	1470.687	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	963319	384.740	ug/l		100
52) Toluene	8.714	92	270763	74.010	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	169863	86.372	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	184134	80.264	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	107264	72.543	ug/l		99
56) Ethyl methacrylate	9.116	69	188717	82.359	ug/l		99
57) 1,3-Dichloropropane	9.305	76	187649	71.590	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	463169	449.791	ug/l		100
59) 2-Hexanone	9.433	43	729602	383.945	ug/l		100
60) Dibromochloromethane	9.518	129	127012	78.918	ug/l		98
61) 1,2-Dibromoethane	9.610	107	112669	74.200	ug/l		98
64) Tetrachloroethene	9.268	164	93195	67.493	ug/l		96
65) Chlorobenzene	10.079	112	293284	70.490	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	103177	74.349	ug/l		99
67) Ethyl Benzene	10.189	91	535122	75.444	ug/l		99
68) m/p-Xylenes	10.299	106	389935	152.181	ug/l		99
69) o-Xylene	10.640	106	190833	73.890	ug/l		97
70) Styrene	10.652	104	328195	79.411	ug/l		100
71) Bromoform	10.799	173	84353	80.927	ug/l	#	98
73) Isopropylbenzene	10.957	105	514528	71.083	ug/l		100
74) N-amyl acetate	10.841	43	274553	76.073	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	170481	66.207	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	150182m	54.277	ug/l		
77) Bromobenzene	11.195	156	117151	69.959	ug/l		99
78) n-propylbenzene	11.305	91	608332	74.974	ug/l		100
79) 2-Chlorotoluene	11.360	91	372392	68.100	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	432096	71.903	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	54398	81.820	ug/l		93
82) 4-Chlorotoluene	11.451	91	432053	71.890	ug/l		100
83) tert-Butylbenzene	11.713	119	432011	73.197	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	442728	73.758	ug/l		100
85) sec-Butylbenzene	11.890	105	543597	74.188	ug/l		100
86) p-Isopropyltoluene	12.006	119	457898	77.393	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	219753	70.449	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	217613	71.190	ug/l		99
89) n-Butylbenzene	12.329	91	416602	80.996	ug/l		100
90) Hexachloroethane	12.536	117	82528	74.978	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	216834	71.367	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43673	74.512	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	137430	82.605	ug/l		98
94) Hexachlorobutadiene	13.725	225	55494	71.314	ug/l		98
95) Naphthalene	13.774	128	489778	80.842	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	139525	79.981	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 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

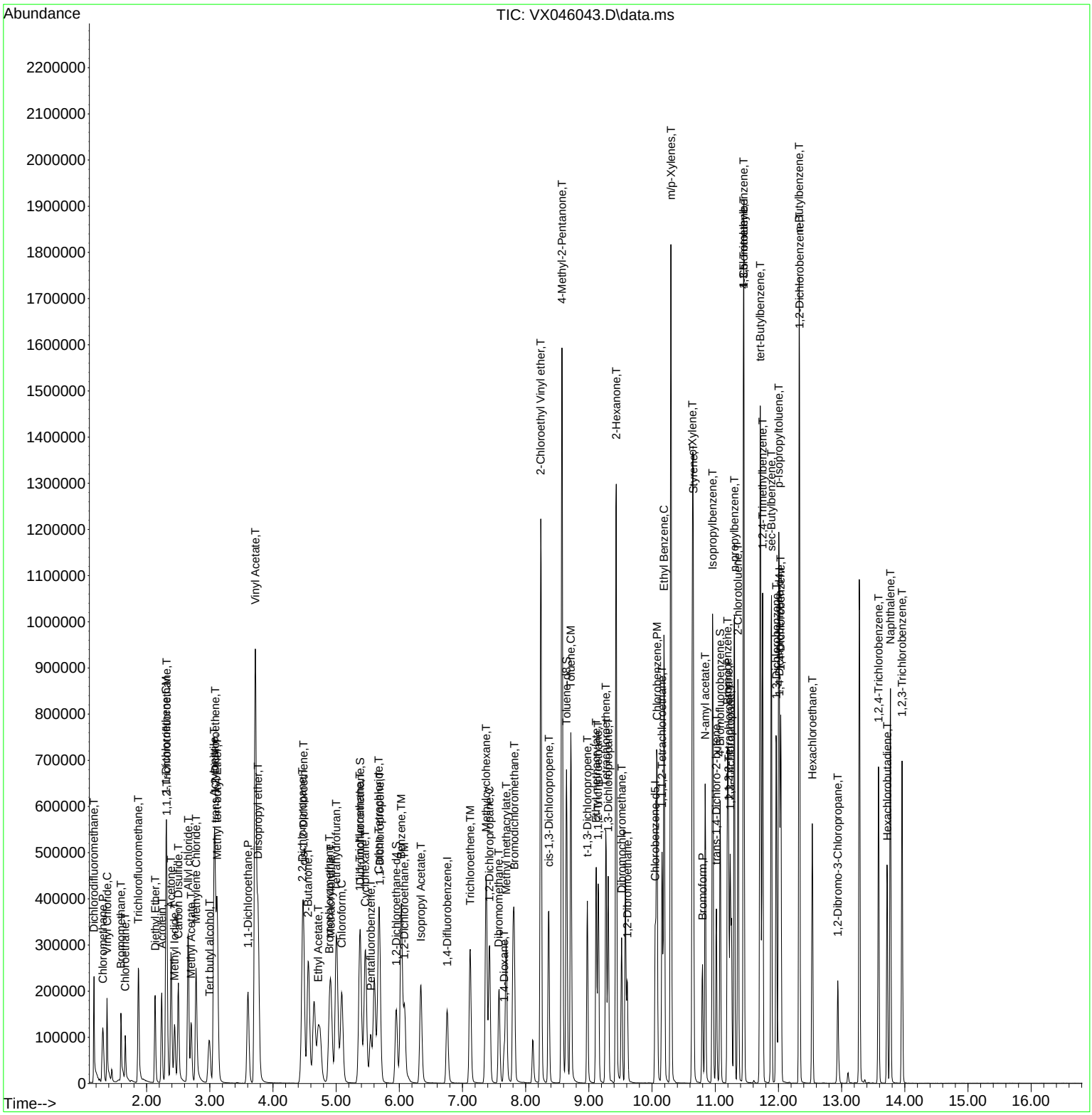
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	82963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60345	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	231952	93.983	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 187.960%#			
35) Dibromofluoromethane	5.385	113	160168	98.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.120%#			
50) Toluene-d8	8.647	98	554390	101.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 202.500%#			
62) 4-Bromofluorobenzene	11.079	95	217536	109.174	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 218.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	217793	118.929	ug/l	98
3) Chloromethane	1.307	50	196843	109.161	ug/l	99
4) Vinyl Chloride	1.374	62	187924	118.953	ug/l	100
5) Bromomethane	1.593	94	83008	103.625	ug/l	95
6) Chloroethane	1.660	64	78806	96.822	ug/l	98
7) Trichlorofluoromethane	1.868	101	245108	101.851	ug/l	97
8) Diethyl Ether	2.136	74	88441	111.791	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	161404	112.243	ug/l	99
10) Methyl Iodide	2.441	142	189843	112.441	ug/l	100
11) Tert butyl alcohol	3.002	59	181238	616.119	ug/l	100
12) 1,1-Dichloroethene	2.307	96	155451	111.039	ug/l	99
13) Acrolein	2.239	56	203257	594.872	ug/l	98
14) Allyl chloride	2.654	41	297776	112.561	ug/l	98
15) Acrylonitrile	3.069	53	484854	550.973	ug/l	98
16) Acetone	2.392	43	460820	545.754	ug/l	98
17) Carbon Disulfide	2.502	76	397353	122.499	ug/l	100
18) Methyl Acetate	2.709	43	217885	108.099	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	557210	114.112	ug/l	100
20) Methylene Chloride	2.782	84	172035	100.579	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	154694	108.241	ug/l	96
22) Diisopropyl ether	3.764	45	577610	116.858	ug/l	90
23) Vinyl Acetate	3.721	43	2655751	608.005	ug/l	100
24) 1,1-Dichloroethane	3.605	63	320083	110.182	ug/l	99
25) 2-Butanone	4.562	43	708463	581.292	ug/l	98
26) 2,2-Dichloropropane	4.471	77	258698	117.548	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	187835	108.994	ug/l	99
28) Bromochloromethane	4.898	49	146923	95.108	ug/l	100
29) Tetrahydrofuran	5.007	42	450456	569.081	ug/l	99
30) Chloroform	5.087	83	323659	107.208	ug/l	95
31) Cyclohexane	5.458	56	286312	116.934	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	295702	113.572	ug/l	98
36) 1,1-Dichloropropene	5.684	75	219731	116.462	ug/l	99
37) Ethyl Acetate	4.715	43	274312	115.889	ug/l	99
38) Carbon Tetrachloride	5.666	117	250916	115.760	ug/l	99
39) Methylcyclohexane	7.373	83	286311	121.107	ug/l	97
40) Benzene	6.031	78	642178	109.813	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	151424	115.139	ug/l		98
42) 1,2-Dichloroethane	6.080	62	271992	112.492	ug/l		99
43) Isopropyl Acetate	6.342	43	447871	123.780	ug/l		100
44) Trichloroethene	7.117	130	157641	114.032	ug/l		96
45) 1,2-Dichloropropane	7.428	63	164505	113.217	ug/l		99
46) Dibromomethane	7.574	93	125846	109.869	ug/l		100
47) Bromodichloromethane	7.818	83	258326	116.365	ug/l		98
48) Methyl methacrylate	7.690	41	231040	124.356	ug/l		99
49) 1,4-Dioxane	7.665	88	82800	2241.695	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	1371275	577.831	ug/l		100
52) Toluene	8.714	92	393323	113.430	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	257233	138.001	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	271054	124.658	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	154932	110.551	ug/l		97
56) Ethyl methacrylate	9.116	69	277921	127.968	ug/l		99
57) 1,3-Dichloropropane	9.305	76	272814	109.813	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	680608	697.344	ug/l		100
59) 2-Hexanone	9.433	43	1028597	571.094	ug/l		99
60) Dibromochloromethane	9.519	129	187497	122.915	ug/l		98
61) 1,2-Dibromoethane	9.604	107	165634	115.087	ug/l		97
64) Tetrachloroethene	9.269	164	132488	100.918	ug/l		96
65) Chlorobenzene	10.080	112	429656	108.615	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	152173	115.333	ug/l		99
67) Ethyl Benzene	10.189	91	785121	116.421	ug/l		99
68) m/p-Xylenes	10.299	106	570913	234.349	ug/l		100
69) o-Xylene	10.640	106	279906	113.990	ug/l		99
70) Styrene	10.653	104	474254	120.694	ug/l		99
71) Bromoform	10.799	173	125986	127.128	ug/l	#	99
73) Isopropylbenzene	10.957	105	752337	114.312	ug/l		99
74) N-amyl acetate	10.842	43	396877	120.944	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	243532	104.018	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	213744m	84.960	ug/l		
77) Bromobenzene	11.195	156	167934	110.297	ug/l		99
78) n-propylbenzene	11.305	91	881218	119.448	ug/l		100
79) 2-Chlorotoluene	11.360	91	534560	107.514	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	616477	112.825	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	81372	134.609	ug/l		93
82) 4-Chlorotoluene	11.451	91	611736	111.948	ug/l		100
83) tert-Butylbenzene	11.713	119	617473	115.065	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	623456	114.236	ug/l		99
85) sec-Butylbenzene	11.890	105	786293	118.023	ug/l		99
86) p-Isopropyltoluene	12.006	119	651531	121.113	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	313100	110.394	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	311752	112.167	ug/l		100
89) n-Butylbenzene	12.329	91	605783	129.533	ug/l		100
90) Hexachloroethane	12.536	117	123188	123.091	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	308039	111.506	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64438	120.915	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	203255	134.366	ug/l		98
94) Hexachlorobutadiene	13.719	225	80558	113.857	ug/l		99
95) Naphthalene	13.774	128	721236	130.929	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	200379	126.331	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 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

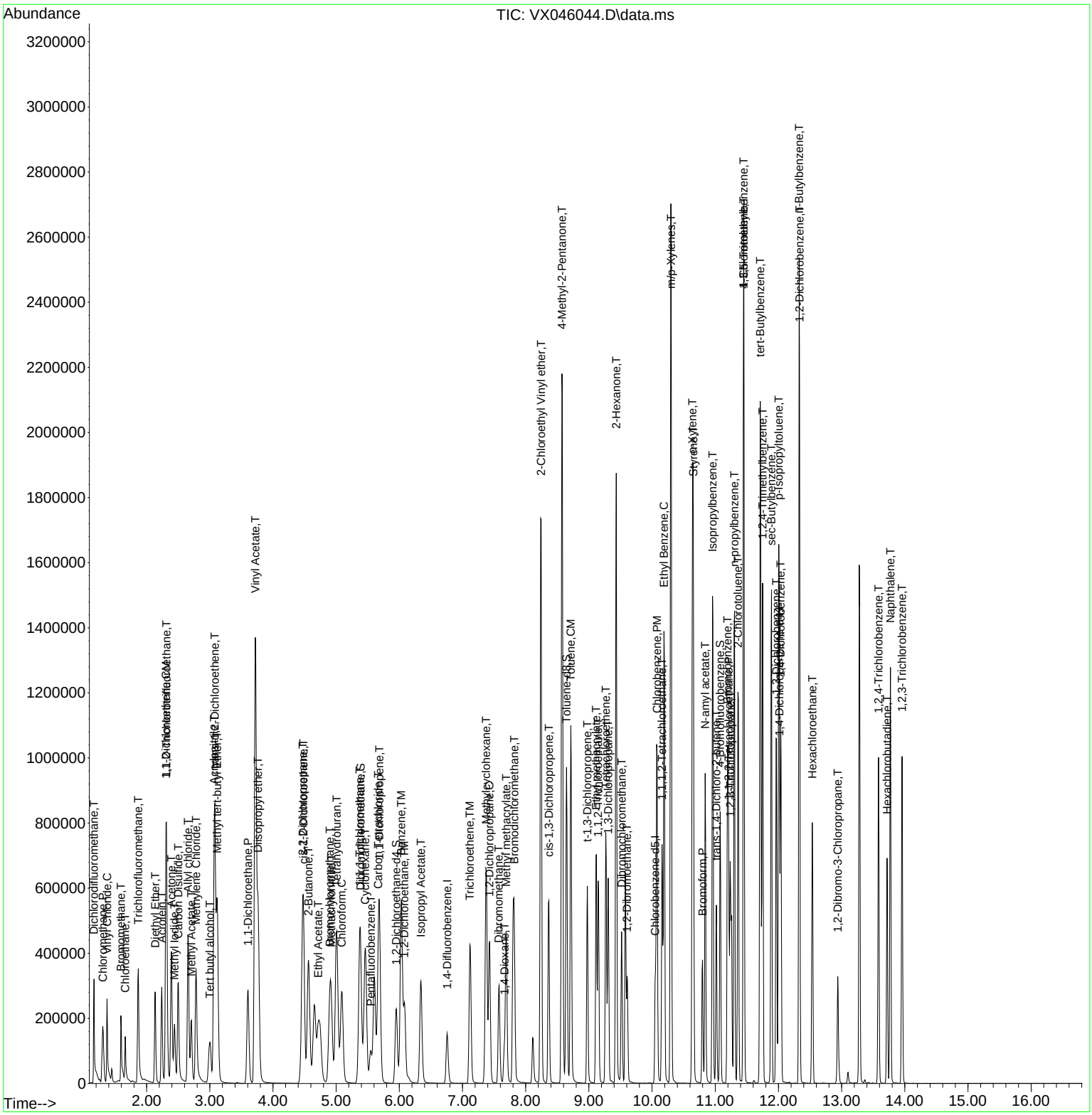
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	96964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	168484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	9067	3.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	6.280%#		
35) Dibromofluoromethane	5.373	113	5969	3.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	6.320%#		
50) Toluene-d8	8.647	98	20566	3.232	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	6.460%#		
62) 4-Bromofluorobenzene	11.079	95	7822	3.378	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	6.760%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	6195	2.894	ug/l	95
3) Chloromethane	1.307	50	6587	3.125	ug/l	99
4) Vinyl Chloride	1.374	62	5999	3.249	ug/l	96
5) Bromomethane	1.593	94	2962	3.164	ug/l	88
6) Chloroethane	1.666	64	3567	3.750	ug/l	94
7) Trichlorofluoromethane	1.874	101	9599	3.413	ug/l	88
8) Diethyl Ether	2.130	74	3020	3.266	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	5911	3.517	ug/l	99
10) Methyl Iodide	2.441	142	5900	2.990	ug/l	99
11) Tert butyl alcohol	2.965	59	5539	16.111	ug/l	98
12) 1,1-Dichloroethene	2.306	96	5496	3.359	ug/l	97
13) Acrolein	2.233	56	5673	14.206	ug/l	95
14) Allyl chloride	2.654	41	10262	3.319	ug/l	98
15) Acrylonitrile	3.062	53	16746	16.282	ug/l	97
16) Acetone	2.380	43	19773	20.036	ug/l	98
17) Carbon Disulfide	2.501	76	11068	2.919	ug/l	96
18) Methyl Acetate	2.703	43	7909	3.357	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	18497	3.241	ug/l	97
20) Methylene Chloride	2.782	84	6680	3.341	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	5402	3.234	ug/l	100
22) Diisopropyl ether	3.751	45	18657	3.230	ug/l #	65
23) Vinyl Acetate	3.715	43	82328	16.127	ug/l	99
24) 1,1-Dichloroethane	3.605	63	11193	3.297	ug/l	99
25) 2-Butanone	4.562	43	26125	18.340	ug/l	98
26) 2,2-Dichloropropane	4.465	77	8245	3.205	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	6222	3.089	ug/l	95
28) Bromochloromethane	4.891	49	5360	2.969	ug/l #	100
29) Tetrahydrofuran	5.001	42	15431	16.680	ug/l	98
30) Chloroform	5.080	83	11624	3.294	ug/l	89
31) Cyclohexane	5.458	56	10269	3.588	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	9827	3.229	ug/l	97
36) 1,1-Dichloropropene	5.678	75	7787	3.551	ug/l	98
37) Ethyl Acetate	4.721	43	9806m	3.565	ug/l	
38) Carbon Tetrachloride	5.659	117	8505	3.376	ug/l	97
39) Methylcyclohexane	7.373	83	9882	3.597	ug/l	93
40) Benzene	6.031	78	22528	3.315	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	4851	3.174	ug/l	#	65
42) 1,2-Dichloroethane	6.080	62	10011	3.563	ug/l		100
43) Isopropyl Acetate	6.348	43	13914	3.309	ug/l		96
44) Trichloroethene	7.123	130	5313	3.307	ug/l		94
45) 1,2-Dichloropropane	7.427	63	5451	3.228	ug/l	#	89
46) Dibromomethane	7.580	93	4417	3.318	ug/l		98
47) Bromodichloromethane	7.818	83	8394	3.254	ug/l		98
48) Methyl methacrylate	7.696	41	7171	3.321	ug/l		97
49) 1,4-Dioxane	7.659	88	2907	67.721	ug/l		96
51) 4-Methyl-2-Pentanone	8.567	43	46794	16.967	ug/l		98
52) Toluene	8.714	92	14126	3.505	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	6834	3.155	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	7908	3.129	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	5685	3.490	ug/l		98
56) Ethyl methacrylate	9.116	69	8555	3.390	ug/l		98
57) 1,3-Dichloropropane	9.305	76	10127	3.508	ug/l		94
58) 2-Chloroethyl Vinyl ether	8.238	63	20809	18.346	ug/l		99
59) 2-Hexanone	9.427	43	34853	16.651	ug/l		97
60) Dibromochloromethane	9.518	129	5500	3.102	ug/l		98
61) 1,2-Dibromoethane	9.604	107	5614	3.356	ug/l		99
64) Tetrachloroethene	9.269	164	4752	3.162	ug/l		96
65) Chlorobenzene	10.079	112	15391	3.399	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	5024	3.326	ug/l		99
67) Ethyl Benzene	10.195	91	26732	3.463	ug/l		99
68) m/p-Xylenes	10.299	106	19957	7.156	ug/l		98
69) o-Xylene	10.640	106	9398	3.343	ug/l		95
70) Styrene	10.652	104	14900	3.312	ug/l		99
71) Bromoform	10.799	173	3470	3.059	ug/l	#	99
73) Isopropylbenzene	10.957	105	24201	3.266	ug/l		98
74) N-amyl acetate	10.841	43	11224	3.038	ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.207	83	9170	3.479	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	7928m	2.799	ug/l		
77) Bromobenzene	11.195	156	5857	3.417	ug/l		96
78) n-propylbenzene	11.299	91	28436	3.424	ug/l		100
79) 2-Chlorotoluene	11.360	91	18672	3.336	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	20742	3.372	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	1828	2.686	ug/l		99
82) 4-Chlorotoluene	11.451	91	19966	3.245	ug/l		98
83) tert-Butylbenzene	11.713	119	21049	3.484	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	20613	3.355	ug/l		97
85) sec-Butylbenzene	11.890	105	25590	3.412	ug/l		99
86) p-Isopropyltoluene	12.006	119	20955	3.460	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	10585	3.315	ug/l		97
88) 1,4-Dichlorobenzene	12.036	146	10908	3.486	ug/l		90
89) n-Butylbenzene	12.329	91	18004	3.419	ug/l		94
90) Hexachloroethane	12.536	117	3553	3.153	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	10712	3.444	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1687	2.812	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	5720	3.359	ug/l		96
94) Hexachlorobutadiene	13.719	225	2816	3.535	ug/l		96
95) Naphthalene	13.774	128	19902	3.209	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	5745	3.217	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

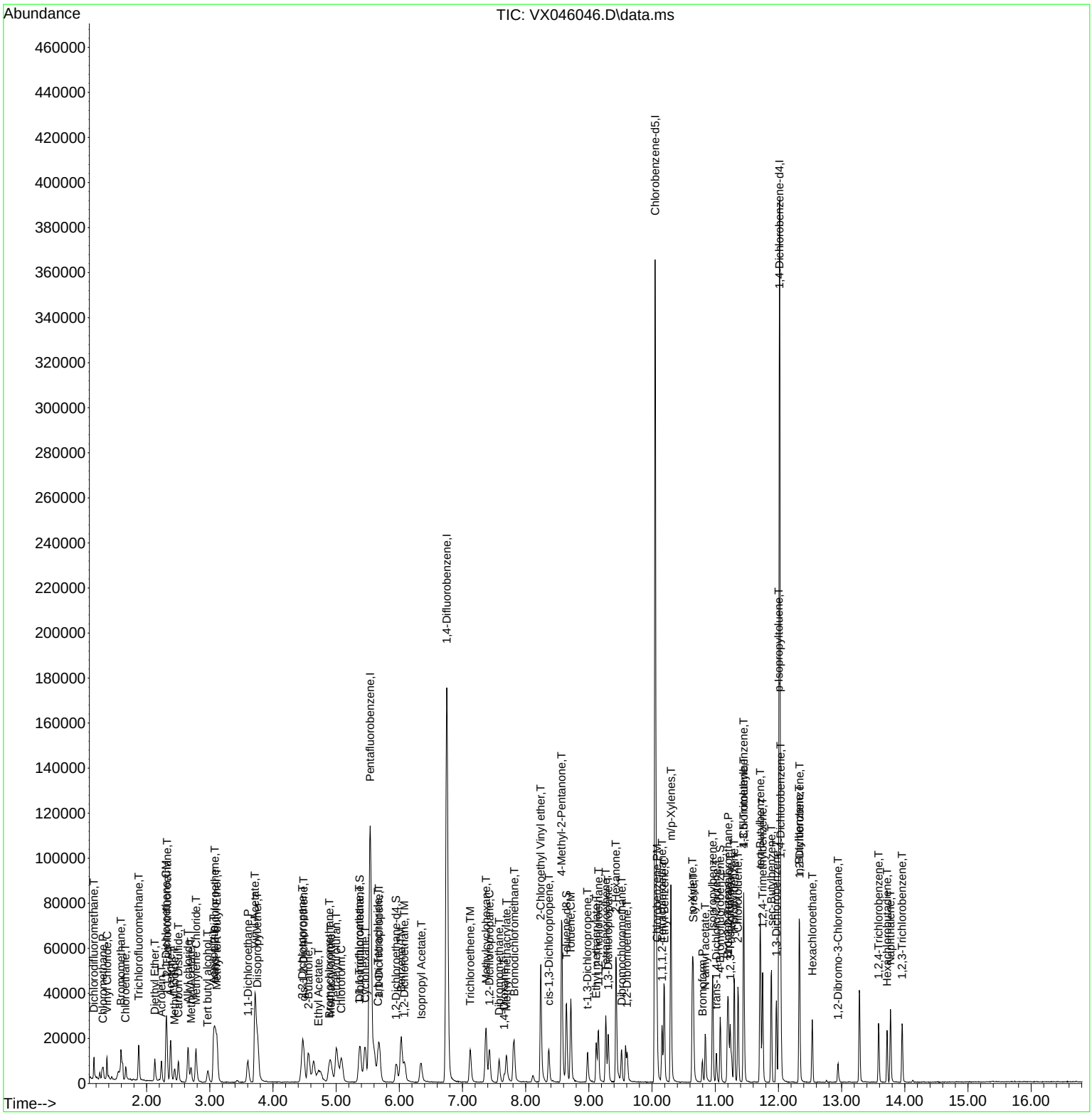
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	92040	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	167022	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	140108	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59123	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1211	0.596	ug/l		98
3) Chloromethane	1.307	50	1278	0.639	ug/l		97
4) Vinyl Chloride	1.374	62	1239	0.707	ug/l	#	82
6) Chloroethane	1.678	64	859	0.951	ug/l		91
7) Trichlorofluoromethane	1.880	101	1959	0.734	ug/l		95
8) Diethyl Ether	2.130	74	742	0.845	ug/l		87
9) 1,1,2-Trichlorotrifluo...	2.319	101	1166	0.731	ug/l		96
12) 1,1-Dichloroethene	2.313	96	1093	0.704	ug/l	#	87
14) Allyl chloride	2.654	41	1936	0.660	ug/l		89
15) Acrylonitrile	3.075	53	3343	3.424	ug/l		98
16) Acetone	2.380	43	3500	3.736	ug/l		97
17) Carbon Disulfide	2.508	76	2619	0.728	ug/l		98
18) Methyl Acetate	2.709	43	1852	0.828	ug/l		98
19) Methyl tert-butyl Ether	3.117	73	3588	0.662	ug/l		96
20) Methylene Chloride	2.782	84	1571	0.828	ug/l	#	90
21) trans-1,2-Dichloroethene	3.081	96	1111	0.701	ug/l	#	71
22) Diisopropyl ether	3.757	45	3857	0.703	ug/l	#	26
23) Vinyl Acetate	3.727	43	15283	3.154	ug/l		96
24) 1,1-Dichloroethane	3.605	63	2054	0.637	ug/l		97
25) 2-Butanone	4.593	43	4558	3.371	ug/l		92
26) 2,2-Dichloropropane	4.458	77	1777	0.728	ug/l		84
27) cis-1,2-Dichloroethene	4.483	96	1324	0.693	ug/l		91
28) Bromochloromethane	4.910	49	1061m	0.619	ug/l		
29) Tetrahydrofuran	5.019	42	2931	3.338	ug/l		99
30) Chloroform	5.093	83	2328	0.695	ug/l		98
32) 1,1,1-Trichloroethane	5.379	97	1869	0.647	ug/l	#	51
36) 1,1-Dichloropropene	5.684	75	1648	0.758	ug/l	#	83
37) Ethyl Acetate	4.733	43	1956m	0.717	ug/l		
38) Carbon Tetrachloride	5.678	117	1807	0.724	ug/l	#	78
39) Methylcyclohexane	7.373	83	2096	0.770	ug/l		97
40) Benzene	6.044	78	4502	0.668	ug/l	#	89
41) Methacrylonitrile	4.946	41	778	0.513	ug/l	#	56
42) 1,2-Dichloroethane	6.092	62	1934	0.694	ug/l		81
43) Isopropyl Acetate	6.354	43	2553	0.612	ug/l	#	81
44) Trichloroethene	7.135	130	1083	0.680	ug/l		85
45) 1,2-Dichloropropane	7.440	63	1059	0.633	ug/l		89

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.586	93	880	0.667	ug/l		97
47) Bromodichloromethane	7.818	83	1620	0.633	ug/l	#	91
48) Methyl methacrylate	7.714	41	1235m	0.577	ug/l		
49) 1,4-Dioxane	7.677	88	498	11.703	ug/l	#	66
51) 4-Methyl-2-Pentanone	8.580	43	9378	3.430	ug/l		97
52) Toluene	8.720	92	2684	0.672	ug/l		96
53) t-1,3-Dichloropropene	8.988	75	1238	0.576	ug/l	#	79
54) cis-1,3-Dichloropropene	8.379	75	1414	0.564	ug/l	#	87
55) 1,1,2-Trichloroethane	9.153	97	1029	0.637	ug/l		92
56) Ethyl methacrylate	9.128	69	1260	0.504	ug/l	#	76
57) 1,3-Dichloropropane	9.311	76	2036	0.711	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.244	63	3846	3.420	ug/l		94
59) 2-Hexanone	9.439	43	6424	3.096	ug/l		88
60) Dibromochloromethane	9.525	129	1023	0.582	ug/l		93
61) 1,2-Dibromoethane	9.610	107	1077	0.650	ug/l		98
64) Tetrachloroethene	9.275	164	972	0.679	ug/l		95
65) Chlorobenzene	10.079	112	3170	0.735	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	1035	0.720	ug/l	#	67
67) Ethyl Benzene	10.195	91	5052	0.687	ug/l		94
68) m/p-Xylenes	10.299	106	3630	1.367	ug/l		97
69) o-Xylene	10.640	106	1799	0.672	ug/l		94
70) Styrene	10.659	104	2664	0.622	ug/l		98
71) Bromoform	10.799	173	657	0.608	ug/l	#	100
73) Isopropylbenzene	10.963	105	4480	0.695	ug/l		96
74) N-amyl acetate	10.854	43	2028	0.631	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	1835	0.800	ug/l		94
76) 1,2,3-Trichloropropane	11.244	75	1661m	0.674	ug/l		
77) Bromobenzene	11.201	156	1095	0.734	ug/l		96
78) n-propylbenzene	11.305	91	5052	0.699	ug/l		97
79) 2-Chlorotoluene	11.360	91	3765	0.773	ug/l		94
80) 1,3,5-Trimethylbenzene	11.451	105	3590	0.671	ug/l		96
82) 4-Chlorotoluene	11.457	91	3815	0.713	ug/l		97
83) tert-Butylbenzene	11.713	119	3951	0.751	ug/l		97
84) 1,2,4-Trimethylbenzene	11.756	105	3725	0.697	ug/l		97
85) sec-Butylbenzene	11.890	105	4385	0.672	ug/l		100
86) p-Isopropyltoluene	12.006	119	3577	0.679	ug/l		94
87) 1,3-Dichlorobenzene	11.969	146	1914	0.689	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	2149m	0.789	ug/l		
89) n-Butylbenzene	12.335	91	2889	0.631	ug/l		92
90) Hexachloroethane	12.536	117	604	0.616	ug/l		99
91) 1,2-Dichlorobenzene	12.341	146	2022	0.747	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	306	0.586	ug/l		83
93) 1,2,4-Trichlorobenzene	13.591	180	1019	0.688	ug/l		94
94) Hexachlorobutadiene	13.725	225	465	0.671	ug/l		89
95) Naphthalene	13.780	128	4138	0.767	ug/l		97
96) 1,2,3-Trichlorobenzene	13.963	180	1113	0.716	ug/l		96

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

ICAL Form

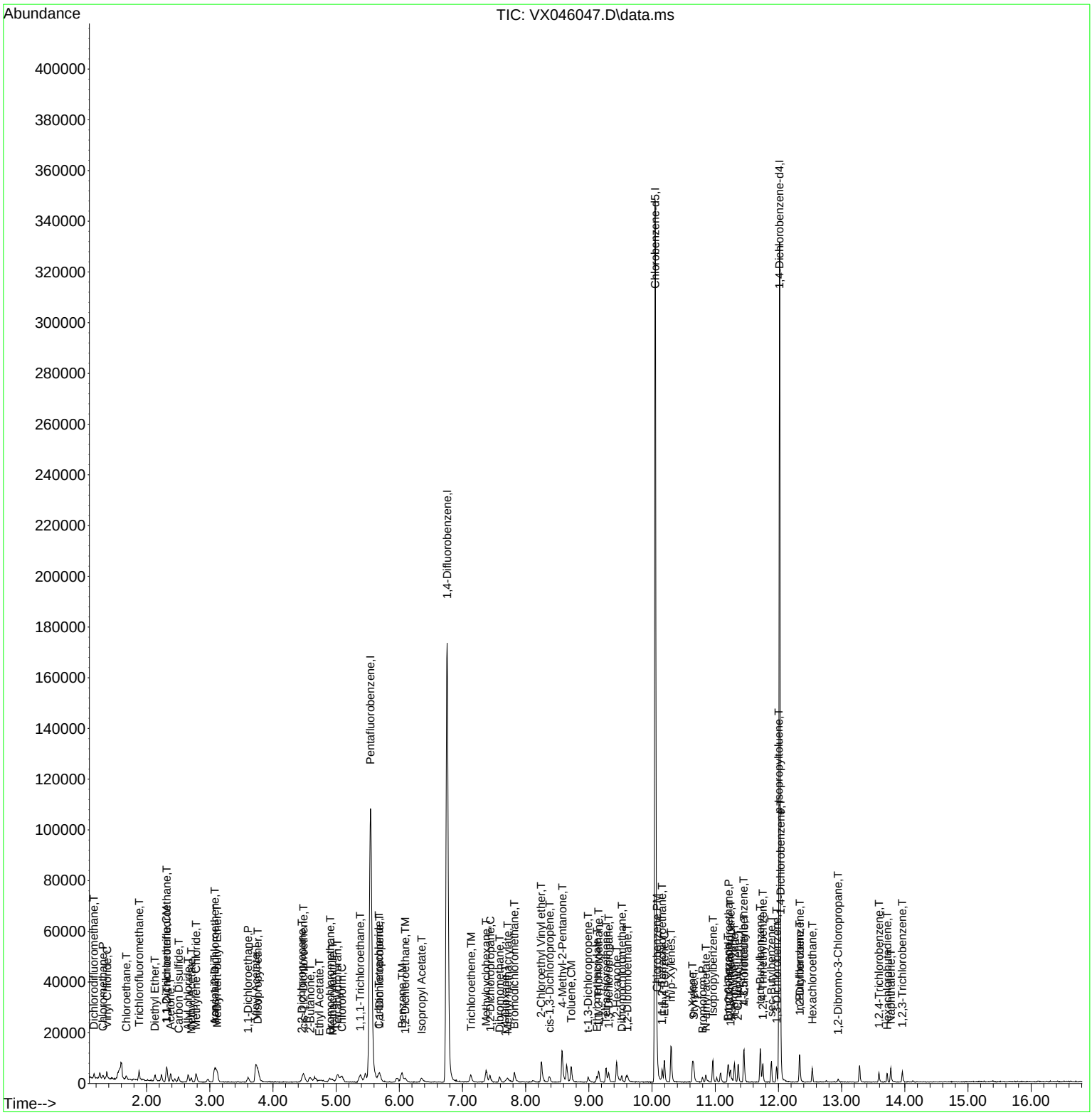
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83733	48.509	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.020%			
35) Dibromofluoromethane	5.379	113	58192	49.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.360%			
50) Toluene-d8	8.647	98	198575	48.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.960%			
62) 4-Bromofluorobenzene	11.079	95	75568	48.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	78783	55.594	ug/l	99
3) Chloromethane	1.307	50	72275	52.592	ug/l	100
4) Vinyl Chloride	1.374	62	65994	51.598	ug/l	98
5) Bromomethane	1.593	94	30033	50.627	ug/l	97
6) Chloroethane	1.666	64	35690	52.271	ug/l	94
7) Trichlorofluoromethane	1.874	101	99352	52.560	ug/l	99
8) Diethyl Ether	2.130	74	31875	49.536	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	59451	50.822	ug/l	99
10) Methyl Iodide	2.447	142	73940	53.419	ug/l	99
11) Tert butyl alcohol	2.977	59	61065	252.025	ug/l	99
12) 1,1-Dichloroethene	2.313	96	56097	51.097	ug/l	98
13) Acrolein	2.233	56	64157	232.505	ug/l	99
14) Allyl chloride	2.660	41	108757	51.833	ug/l	100
15) Acrylonitrile	3.063	53	181808	262.412	ug/l	99
16) Acetone	2.380	43	169923	245.518	ug/l	98
17) Carbon Disulfide	2.502	76	132695	50.981	ug/l	99
18) Methyl Acetate	2.703	43	80251	49.968	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	195442	50.777	ug/l	99
20) Methylene Chloride	2.782	84	63369	47.779	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	55770	50.513	ug/l	99
22) Diisopropyl ether	3.757	45	209946	51.800	ug/l	97
23) Vinyl Acetate	3.715	43	946746	265.585	ug/l	100
24) 1,1-Dichloroethane	3.605	63	114733	50.825	ug/l	98
25) 2-Butanone	4.556	43	258339	257.110	ug/l	97
26) 2,2-Dichloropropane	4.471	77	88229	49.934	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	67727	50.956	ug/l	100
28) Bromochloromethane	4.891	49	55390	50.975	ug/l	98
29) Tetrahydrofuran	5.001	42	163675	259.958	ug/l	99
30) Chloroform	5.093	83	120782	51.332	ug/l	97
31) Cyclohexane	5.458	56	103158	50.147	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	104243	51.108	ug/l	100
36) 1,1-Dichloropropene	5.690	75	77931	49.521	ug/l	99
37) Ethyl Acetate	4.715	43	98604	50.714	ug/l	100
38) Carbon Tetrachloride	5.666	117	88100	49.825	ug/l	97
39) Methylcyclohexane	7.373	83	100808	49.757	ug/l	98
40) Benzene	6.031	78	233977	50.759	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	56017	55.076	ug/l		100
42) 1,2-Dichloroethane	6.080	62	101185	50.861	ug/l		98
43) Isopropyl Acetate	6.336	43	154818	52.195	ug/l		99
44) Trichloroethene	7.123	130	55491	50.018	ug/l		100
45) 1,2-Dichloropropane	7.428	63	59582	51.983	ug/l		98
46) Dibromomethane	7.580	93	45181	49.978	ug/l		99
47) Bromodichloromethane	7.818	83	92388	51.889	ug/l		100
48) Methyl methacrylate	7.690	41	82144	54.226	ug/l		98
49) 1,4-Dioxane	7.659	88	30477	1059.599	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	510206	259.133	ug/l		100
52) Toluene	8.714	92	144574	51.150	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	83751	52.920	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	92517	52.892	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	56713	50.887	ug/l		96
56) Ethyl methacrylate	9.116	69	95772	53.918	ug/l		99
57) 1,3-Dichloropropane	9.305	76	99663	49.793	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	240681	265.780	ug/l		99
59) 2-Hexanone	9.427	43	390701	268.218	ug/l		100
60) Dibromochloromethane	9.519	129	63738	52.075	ug/l		99
61) 1,2-Dibromoethane	9.610	107	59134	51.050	ug/l		98
64) Tetrachloroethene	9.269	164	48034	46.795	ug/l		98
65) Chlorobenzene	10.073	112	154640	48.699	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53735	49.557	ug/l		100
67) Ethyl Benzene	10.189	91	281239	50.245	ug/l		100
68) m/p-Xylenes	10.299	106	206813	101.022	ug/l		99
69) o-Xylene	10.640	106	101469	50.841	ug/l		99
70) Styrene	10.653	104	169703	51.907	ug/l		99
71) Bromoform	10.799	173	40364	49.583	ug/l	#	97
73) Isopropylbenzene	10.957	105	269484	50.733	ug/l		100
74) N-amyl acetate	10.842	43	137559	52.407	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89027	47.827	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	79763m	48.568	ug/l		
77) Bromobenzene	11.195	156	59871	48.549	ug/l		98
78) n-propylbenzene	11.299	91	312285	50.562	ug/l		100
79) 2-Chlorotoluene	11.360	91	195630	49.107	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	228538	51.500	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24857	49.276	ug/l		98
82) 4-Chlorotoluene	11.451	91	223811	50.661	ug/l		100
83) tert-Butylbenzene	11.713	119	225783	50.511	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	231371	51.485	ug/l		100
85) sec-Butylbenzene	11.890	105	280578	51.122	ug/l		99
86) p-Isopropyltoluene	12.006	119	231942	51.198	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	113146	50.272	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	111173	48.368	ug/l		99
89) n-Butylbenzene	12.329	91	205858	51.804	ug/l		100
90) Hexachloroethane	12.536	117	39823	49.895	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	111482	49.361	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21220	51.458	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	64421	49.662	ug/l		100
94) Hexachlorobutadiene	13.719	225	27425	48.408	ug/l		98
95) Naphthalene	13.774	128	239805	50.404	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	64950	48.525	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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

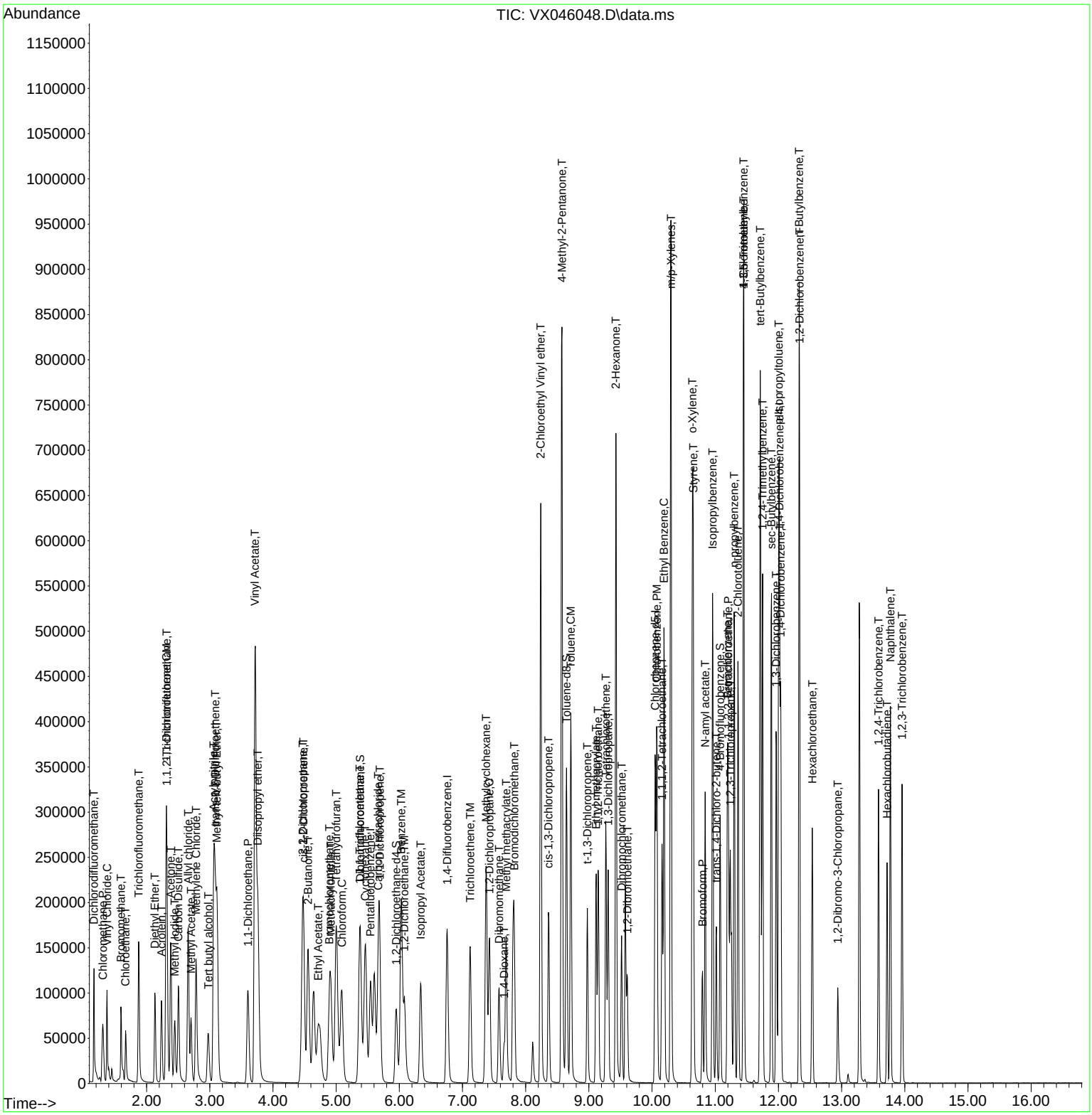
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	95	0.00
2	T	Dichlorodifluoromethane	0.765	0.851	-11.2	94	0.00
3	P	Chloromethane	0.742	0.781	-5.3	96	0.00
4	C	Vinyl Chloride	0.691	0.713	-3.2#	96	0.00
5	T	Bromomethane	0.320	0.324	-1.3	95	0.00
6	T	Chloroethane	0.369	0.385	-4.3	97	0.00
7	T	Trichlorofluoromethane	1.021	1.073	-5.1	96	0.00
8	T	Diethyl Ether	0.347	0.344	0.9	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.642	-1.6	96	0.00
10	T	Methyl Iodide	0.747	0.799	-7.0	94	0.00
11	T	Tert butyl alcohol	0.131	0.132	-0.8	98	0.00
12	CM	1,1-Dichloroethene	0.593	0.606	-2.2#	96	0.00
13	T	Acrolein	0.149	0.139	6.7	87	0.00
14	T	Allyl chloride	1.133	1.175	-3.7	95	0.00
15	T	Acrylonitrile	0.374	0.393	-5.1	97	0.00
16	T	Acetone	0.374	0.367	1.9	97	0.00
17	T	Carbon Disulfide	1.406	1.433	-1.9	94	0.00
18	T	Methyl Acetate	0.867	0.867	0.0	97	0.00
19	T	Methyl tert-butyl Ether	2.079	2.111	-1.5	93	0.00
20	T	Methylene Chloride	0.716	0.684	4.5	95	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.602	-1.0	94	0.00
22	T	Diisopropyl ether	2.189	2.268	-3.6	95	0.00
23	T	Vinyl Acetate	1.925	2.045	-6.2	95	0.00
24	P	1,1-Dichloroethane	1.219	1.239	-1.6	94	0.00
25	T	2-Butanone	0.543	0.558	-2.8	96	0.00
26	T	2,2-Dichloropropane	0.954	0.953	0.1	95	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.731	-1.8	95	0.00
28	T	Bromochloromethane	0.587	0.598	-1.9	99	0.00
29	T	Tetrahydrofuran	0.340	0.354	-4.1	96	0.00
30	C	Chloroform	1.271	1.305	-2.7#	96	0.00
31	T	Cyclohexane	1.111	1.114	-0.3	94	0.00
32	T	1,1,1-Trichloroethane	1.101	1.126	-2.3	95	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.904	3.0	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.360	0.358	0.6	98	0.00
36	T	1,1-Dichloropropene	0.484	0.479	1.0	94	0.00
37	T	Ethyl Acetate	0.598	0.606	-1.3	96	0.00
38	T	Carbon Tetrachloride	0.544	0.542	0.4	94	0.00
39	T	Methylcyclohexane	0.623	0.620	0.5	94	0.00
40	TM	Benzene	1.417	1.439	-1.6	95	0.00
41	T	Methacrylonitrile	0.313	0.344	-9.9	96	0.00
42	TM	1,2-Dichloroethane	0.612	0.622	-1.6	96	0.00
43	T	Isopropyl Acetate	0.912	0.952	-4.4	96	0.00
44	TM	Trichloroethene	0.341	0.341	0.0	93	0.00
45	C	1,2-Dichloropropane	0.352	0.366	-4.0#	96	0.00
46	T	Dibromomethane	0.278	0.278	0.0	94	0.00
47	T	Bromodichloromethane	0.547	0.568	-3.8	95	0.00
48	T	Methyl methacrylate	0.466	0.505	-8.4	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.009	0.009	0.0	100	0.00
50	S	Toluene-d8	1.246	1.221	2.0	97	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.627	-3.6	96	0.00
52	CM	Toluene	0.869	0.889	-2.3#	96	0.00
53	T	t-1,3-Dichloropropene	0.487	0.515	-5.7	94	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.569	-5.8	95	0.00
55	T	1,1,2-Trichloroethane	0.343	0.349	-1.7	95	0.00
56	T	Ethyl methacrylate	0.546	0.589	-7.9	96	0.00
57	T	1,3-Dichloropropane	0.615	0.613	0.3	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.296	-6.5	93	0.00
59	T	2-Hexanone	0.448	0.480	-7.1	98	0.00
60	T	Dibromochloromethane	0.376	0.392	-4.3	95	0.00
61	T	1,2-Dibromoethane	0.356	0.364	-2.2	94	0.00
62	S	4-Bromofluorobenzene	0.478	0.465	2.7	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.354	0.331	6.5	88	0.00
65	PM	Chlorobenzene	1.094	1.066	2.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.370	1.1	94	0.00
67	C	Ethyl Benzene	1.929	1.939	-0.5#	95	0.00
68	T	m/p-Xylenes	0.706	0.713	-1.0	95	0.00
69	T	o-Xylene	0.688	0.699	-1.6	95	0.00
70	T	Styrene	1.127	1.170	-3.8	95	0.00
71	P	Bromoform	0.281	0.278	1.1	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.893	3.950	-1.5	96	0.00
74	T	N-amyl acetate	1.924	2.016	-4.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.305	4.3	98	0.00
76	T	1,2,3-Trichloropropane	1.204	1.169	2.9	99	0.00
77	T	Bromobenzene	0.904	0.878	2.9	95	0.00
78	T	n-propylbenzene	4.526	4.577	-1.1	95	0.00
79	T	2-Chlorotoluene	2.919	2.867	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.350	-3.0	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.364	1.6	95	0.00
82	T	4-Chlorotoluene	3.238	3.280	-1.3	96	0.00
83	T	tert-Butylbenzene	3.276	3.309	-1.0	97	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.391	-3.0	97	0.00
85	T	sec-Butylbenzene	4.022	4.112	-2.2	96	0.00
86	T	p-Isopropyltoluene	3.320	3.399	-2.4	96	0.00
87	T	1,3-Dichlorobenzene	1.649	1.658	-0.5	98	0.00
88	T	1,4-Dichlorobenzene	1.684	1.629	3.3	97	0.00
89	T	n-Butylbenzene	2.912	3.017	-3.6	96	0.00
90	T	Hexachloroethane	0.585	0.584	0.2	94	0.00
91	T	1,2-Dichlorobenzene	1.655	1.634	1.3	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.311	-3.0	97	0.00
93	T	1,2,4-Trichlorobenzene	0.951	0.944	0.7	97	0.00
94	T	Hexachlorobutadiene	0.415	0.402	3.1	95	0.00
95	T	Naphthalene	3.487	3.515	-0.8	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.981	0.952	3.0	94	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_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	95	0.00
2	T	Dichlorodifluoromethane	50.000	55.594	-11.2	94	0.00
3	P	Chloromethane	50.000	52.592	-5.2	96	0.00
4	C	Vinyl Chloride	50.000	51.598	-3.2#	96	0.00
5	T	Bromomethane	50.000	50.627	-1.3	95	0.00
6	T	Chloroethane	50.000	52.271	-4.5	97	0.00
7	T	Trichlorofluoromethane	50.000	52.560	-5.1	96	0.00
8	T	Diethyl Ether	50.000	49.536	0.9	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.822	-1.6	96	0.00
10	T	Methyl Iodide	50.000	53.419	-6.8	94	0.00
11	T	Tert butyl alcohol	250.000	252.025	-0.8	98	0.00
12	CM	1,1-Dichloroethene	50.000	51.097	-2.2#	96	0.00
13	T	Acrolein	250.000	232.505	7.0	87	0.00
14	T	Allyl chloride	50.000	51.833	-3.7	95	0.00
15	T	Acrylonitrile	250.000	262.412	-5.0	97	0.00
16	T	Acetone	250.000	245.518	1.8	97	0.00
17	T	Carbon Disulfide	50.000	50.981	-2.0	94	0.00
18	T	Methyl Acetate	50.000	49.968	0.1	97	0.00
19	T	Methyl tert-butyl Ether	50.000	50.777	-1.6	93	0.00
20	T	Methylene Chloride	50.000	47.779	4.4	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.513	-1.0	94	0.00
22	T	Diisopropyl ether	50.000	51.800	-3.6	95	0.00
23	T	Vinyl Acetate	250.000	265.585	-6.2	95	0.00
24	P	1,1-Dichloroethane	50.000	50.825	-1.7	94	0.00
25	T	2-Butanone	250.000	257.110	-2.8	96	0.00
26	T	2,2-Dichloropropane	50.000	49.934	0.1	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.956	-1.9	95	0.00
28	T	Bromochloromethane	50.000	50.975	-2.0	99	0.00
29	T	Tetrahydrofuran	250.000	259.958	-4.0	96	0.00
30	C	Chloroform	50.000	51.332	-2.7#	96	0.00
31	T	Cyclohexane	50.000	50.147	-0.3	94	0.00
32	T	1,1,1-Trichloroethane	50.000	51.108	-2.2	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.509	3.0	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	49.683	0.6	98	0.00
36	T	1,1-Dichloropropene	50.000	49.521	1.0	94	0.00
37	T	Ethyl Acetate	50.000	50.714	-1.4	96	0.00
38	T	Carbon Tetrachloride	50.000	49.825	0.3	94	0.00
39	T	Methylcyclohexane	50.000	49.757	0.5	94	0.00
40	TM	Benzene	50.000	50.759	-1.5	95	0.00
41	T	Methacrylonitrile	50.000	55.076	-10.2	96	0.00
42	TM	1,2-Dichloroethane	50.000	50.861	-1.7	96	0.00
43	T	Isopropyl Acetate	50.000	52.195	-4.4	96	0.00
44	TM	Trichloroethene	50.000	50.018	-0.0	93	0.00
45	C	1,2-Dichloropropane	50.000	51.983	-4.0#	96	0.00
46	T	Dibromomethane	50.000	49.978	0.0	94	0.00
47	T	Bromodichloromethane	50.000	51.889	-3.8	95	0.00
48	T	Methyl methacrylate	50.000	54.226	-8.5	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	1059.599	-6.0	100	0.00
50	S	Toluene-d8	50.000	48.984	2.0	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.133	-3.7	96	0.00
52	CM	Toluene	50.000	51.150	-2.3#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	52.920	-5.8	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.892	-5.8	95	0.00
55	T	1,1,2-Trichloroethane	50.000	50.887	-1.8	95	0.00
56	T	Ethyl methacrylate	50.000	53.918	-7.8	96	0.00
57	T	1,3-Dichloropropane	50.000	49.793	0.4	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	265.780	-6.3	93	0.00
59	T	2-Hexanone	250.000	268.218	-7.3	98	0.00
60	T	Dibromochloromethane	50.000	52.075	-4.2	95	0.00
61	T	1,2-Dibromoethane	50.000	51.050	-2.1	94	0.00
62	S	4-Bromofluorobenzene	50.000	48.596	2.8	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	46.795	6.4	88	0.00
65	PM	Chlorobenzene	50.000	48.699	2.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.557	0.9	94	0.00
67	C	Ethyl Benzene	50.000	50.245	-0.5#	95	0.00
68	T	m/p-Xylenes	100.000	101.022	-1.0	95	0.00
69	T	o-Xylene	50.000	50.841	-1.7	95	0.00
70	T	Styrene	50.000	51.907	-3.8	95	0.00
71	P	Bromoform	50.000	49.583	0.8	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	50.733	-1.5	96	0.00
74	T	N-amyl acetate	50.000	52.407	-4.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.827	4.3	98	0.00
76	T	1,2,3-Trichloropropane	50.000	48.568	2.9	99	0.00
77	T	Bromobenzene	50.000	48.549	2.9	95	0.00
78	T	n-propylbenzene	50.000	50.562	-1.1	95	0.00
79	T	2-Chlorotoluene	50.000	49.107	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.500	-3.0	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.276	1.4	95	0.00
82	T	4-Chlorotoluene	50.000	50.661	-1.3	96	0.00
83	T	tert-Butylbenzene	50.000	50.511	-1.0	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.485	-3.0	97	0.00
85	T	sec-Butylbenzene	50.000	51.122	-2.2	96	0.00
86	T	p-Isopropyltoluene	50.000	51.198	-2.4	96	0.00
87	T	1,3-Dichlorobenzene	50.000	50.272	-0.5	98	0.00
88	T	1,4-Dichlorobenzene	50.000	48.368	3.3	97	0.00
89	T	n-Butylbenzene	50.000	51.804	-3.6	96	0.00
90	T	Hexachloroethane	50.000	49.895	0.2	94	0.00
91	T	1,2-Dichlorobenzene	50.000	49.361	1.3	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.458	-2.9	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.662	0.7	97	0.00
94	T	Hexachlorobutadiene	50.000	48.408	3.2	95	0.00
95	T	Naphthalene	50.000	50.404	-0.8	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	48.525	3.0	94	0.00

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

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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13
Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.3
Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.8
Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.8
Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.8
Trichlorofluoromethane	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.5
1,1,2-Trichlorotrifluoroethane	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.1
1,1-Dichloroethene	0.469	0.577	0.549	0.518	0.510	0.523	0.524	7
Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.6
Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.2
Methyl tert-butyl Ether	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.4
Methyl Acetate	0.280	0.408	0.396	0.333	0.301	0.301	0.336	15.9
Methylene Chloride	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.7
trans-1,2-Dichloroethene	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.4
1,1-Dichloroethane	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7
Cyclohexane	1.168	1.208	1.098	1.015	0.970	0.988	1.075	9.2
2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.6
Carbon Tetrachloride	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.5
cis-1,2-Dichloroethene	0.592	0.731	0.706	0.682	0.668	0.691	0.678	7
Bromochloromethane	0.470	0.477	0.479	0.454	0.469	0.474	0.471	1.9
Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.9
1,1,1-Trichloroethane	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.4
Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.9
Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.7
1,2-Dichloroethane	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.4
Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.7
1,2-Dichloropropane	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.6
Bromodichloromethane	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.7
4-Methyl-2-Pentanone	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.1
Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.8

* 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

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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.2
cis-1,3-Dichloropropene	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.7
1,1,2-Trichloroethane	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.7
2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.3
Dibromochloromethane	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.6
1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.9
Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.7
Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.5
Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.9
m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.9
o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11
Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.9
Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.7
Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.3
1,1,2,2-Tetrachloroethane	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.3
1,3-Dichlorobenzene	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.3
1,4-Dichlorobenzene	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.3
1,2-Dichlorobenzene	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.3
1,2-Dibromo-3-Chloropropane	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.7
1,2,4-Trichlorobenzene	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.2
1,2,3-Trichlorobenzene	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.3
1,2-Dichloroethane-d4	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.1
Dibromofluoromethane	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.2
Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.2
4-Bromofluorobenzene	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.6

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 2025
Response Via : Initial Calibration

Calibration Files
5 =VY022491.D 10 =VY022492.D 20 =VY022493.D 50 =VY022494.D 100 =VY022495.D 150 =VY022496.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13.03
3)	P	Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.28
4)	C	Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.82#
5)	T	Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.82
6)	T	Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.84
7)	T	Trichlorofluor...	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.47
8)	T	Diethyl Ether	0.258	0.335	0.315	0.291	0.279	0.283	0.293	9.35
9)	T	1,1,2-Trichlor...	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.08
10)	T	Methyl Iodide	0.456	0.606	0.609	0.644	0.632	0.616	0.594	11.60
11)	T	Tert butyl alc...	0.034	0.046	0.045	0.039	0.038	0.038	0.040	11.73
12)	CM	1,1-Dichloroet...	0.469	0.577	0.549	0.518	0.510	0.523	0.524	6.96#
13)	T	Acrolein	0.056	0.046	0.053	0.048	0.050	0.046	0.050	8.21
14)	T	Allyl chloride	0.751	0.911	0.850	0.806	0.804	0.817	0.823	6.51
15)	T	Acrylonitrile	0.106	0.138	0.133	0.126	0.122	0.120	0.124	8.94
16)	T	Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.55
17)	T	Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.17
18)	T	Methyl Acetate	0.280	0.408	0.396	0.333	0.301	0.301	0.336	15.94
19)	T	Methyl tert-bu...	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.39
20)	T	Methylene Chlo...	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.74
21)	T	trans-1,2-Dich...	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.39
22)	T	Diisopropyl ether	1.616	1.984	1.933	1.818	1.800	1.842	1.832	6.96
23)	T	Vinyl Acetate	0.910	1.143	1.145	1.083	1.099	1.126	1.084	8.20
24)	P	1,1-Dichloroet...	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7.00
25)	T	2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.62
26)	T	2,2-Dichloropr...	0.836	1.032	0.972	0.947	0.953	0.982	0.954	6.84
27)	T	cis-1,2-Dichlo...	0.592	0.731	0.706	0.682	0.668	0.691	0.678	6.98
28)	T	Bromochloromet...	0.470	0.477	0.479	0.454	0.469	0.474	0.471	1.86
29)	T	Tetrahydrofuran	0.093	0.118	0.114	0.104	0.103	0.101	0.106	8.60
30)	C	Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.93#
31)	T	Cyclohexane	1.168	1.208	1.098	1.015	0.970	0.988	1.075	9.22
32)	T	1,1,1-Trichlor...	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.36
33)	S	1,2-Dichloroet...	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.10
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.22
36)	T	1,1-Dichloropr...	0.416	0.512	0.492	0.486	0.490	0.510	0.484	7.30
37)	T	Ethyl Acetate	0.181	0.217	0.231	0.229	0.221	0.216	0.216	8.41
38)	T	Carbon Tetrach...	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.49
39)	T	Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.85
40)	TM	Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.67
41)	T	Methacrylonitrile	0.119	0.123	0.132	0.125	0.135	0.124	0.126	4.74
42)	TM	1,2-Dichloroet...	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.39
43)	T	Isopropyl Acetate	0.377	0.497	0.499	0.478	0.475	0.474	0.467	9.72
44)	TM	Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.73
45)	C	1,2-Dichloropr...	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.61#
46)	T	Dibromomethane	0.158	0.199	0.201	0.193	0.192	0.197	0.190	8.46
47)	T	Bromodichlorom...	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.71
48)	T	Methyl methacr...	0.183	0.220	0.234	0.222	0.226	0.229	0.219	8.29
49)	T	1,4-Dioxane	0.002	0.002	0.003	0.002	0.002	0.002	0.002	9.33
50)	S	Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.25
51)	T	4-Methyl-2-Pen...	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.13
52)	CM	Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.76#
53)	T	t-1,3-Dichloro...	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.20
54)	T	cis-1,3-Dichlo...	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.67
55)	T	1,1,2-Trichlor...	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.73
56)	T	Ethyl methacry...	0.257	0.357	0.370	0.363	0.373	0.383	0.351	13.32

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y060225S.M

57)	T	1,3-Dichloropr...	0.358	0.462	0.448	0.435	0.434	0.443	0.430	8.57
58)	T	2-Chloroethyl ...	0.137	0.143	0.160	0.159	0.174	0.181	0.159	10.80
59)	T	2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.34
60)	T	Dibromochlorom...	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.61
61)	T	1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.87
62)	S	4-Bromofluorob...	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.62
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.66
65)	PM	Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.54
66)	T	1,1,1,2-Tetrac...	0.291	0.383	0.379	0.379	0.385	0.419	0.373	11.51
67)	C	Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.90#
68)	T	m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.94
69)	T	o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11.05
70)	T	Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.93
71)	P	Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.68
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.26
74)	T	N-amyl acetate	0.754	1.078	1.081	1.072	1.103	1.127	1.036	13.49
75)	P	1,1,2,2-Tetrac...	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.25
76)	T	1,2,3-Trichlor...	0.585	0.610	0.582	0.630	0.511	0.514	0.572	8.62
77)	T	Bromobenzene	0.723	0.924	0.890	0.868	0.867	0.925	0.866	8.63
78)	T	n-propylbenzene	4.424	5.221	4.962	5.067	5.051	5.357	5.014	6.40
79)	T	2-Chlorotoluene	2.378	2.742	2.653	2.676	2.666	2.828	2.657	5.71
80)	T	1,3,5-Trimethy...	2.748	3.317	3.240	3.260	3.275	3.497	3.223	7.77
81)	T	trans-1,4-Dich...	0.203	0.255	0.241	0.234	0.241	0.247	0.237	7.60
82)	T	4-Chlorotoluene	2.386	2.865	2.677	2.775	2.784	2.960	2.741	7.23
83)	T	tert-Butylbenzene	2.444	2.979	2.900	2.899	2.952	3.181	2.893	8.41
84)	T	1,2,4-Trimethy...	2.719	3.307	3.189	3.220	3.304	3.599	3.223	8.89
85)	T	sec-Butylbenzene	3.877	4.652	4.352	4.466	4.488	4.746	4.430	6.89
86)	T	p-Isopropyltol...	3.038	3.638	3.591	3.655	3.824	4.163	3.652	10.04
87)	T	1,3-Dichlorobe...	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.29
88)	T	1,4-Dichlorobe...	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.34
89)	T	n-Butylbenzene	2.956	3.551	3.459	3.534	3.537	3.750	3.464	7.72
90)	T	Hexachloroethane	0.632	0.745	0.712	0.716	0.709	0.751	0.711	6.01
91)	T	1,2-Dichlorobe...	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.35
92)	T	1,2-Dibromo-3-...	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.72
93)	T	1,2,4-Trichlor...	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.20
94)	T	Hexachlorobuta...	0.440	0.480	0.441	0.447	0.441	0.442	0.449	3.46
95)	T	Naphthalene	1.187	1.604	1.614	1.620	1.663	1.670	1.560	11.84
96)	T	1,2,3-Trichlor...	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.33

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	201089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	353755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	289394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	10508	4.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.600%#		
35) Dibromofluoromethane	7.646	113	9323	4.477	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.960%#		
50) Toluene-d8	10.109	98	37729	4.482	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.960%#		
62) 4-Bromofluorobenzene	12.408	95	11988	4.697	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.400%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	8717	4.961	ug/l	99
3) Chloromethane	2.068	50	26535	5.119	ug/l	98
4) Vinyl Chloride	2.208	62	27572	4.544	ug/l	98
5) Bromomethane	2.598	94	27457	4.784	ug/l	98
6) Chloroethane	2.739	64	19566	4.710	ug/l	95
7) Trichlorofluoromethane	3.062	101	22825	4.428	ug/l	92
8) Diethyl Ether	3.464	74	5184	4.553	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	10259	4.744	ug/l	97
10) Methyl Iodide	4.007	142	9174	3.956	ug/l #	95
11) Tert butyl alcohol	4.891	59	3374	21.587	ug/l #	88
12) 1,1-Dichloroethene	3.799	96	9440	4.573	ug/l	97
13) Acrolein	3.671	56	5656	29.646	ug/l	95
14) Allyl chloride	4.391	41	15096	4.693	ug/l	98
15) Acrylonitrile	5.080	53	10667	22.026	ug/l	97
16) Acetone	3.885	43	13023	30.108	ug/l #	87
17) Carbon Disulfide	4.110	76	30222	4.586	ug/l	99
18) Methyl Acetate	4.397	43	5630	4.327	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	26276	4.562	ug/l	97
20) Methylene Chloride	4.622	84	17312	7.168	ug/l	89
21) trans-1,2-Dichloroethene	5.116	96	10489	4.549	ug/l	86
22) Diisopropyl ether	6.037	45	32497	4.544	ug/l	95
23) Vinyl Acetate	5.970	43	91478	21.559	ug/l	98
24) 1,1-Dichloroethane	5.921	63	19460	4.603	ug/l	97
25) 2-Butanone	6.909	43	14423	22.605	ug/l	95
26) 2,2-Dichloropropane	6.896	77	16805	4.471	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	11906	4.467	ug/l	98
28) Bromochloromethane	7.250	49	9453	5.175	ug/l	100
29) Tetrahydrofuran	7.274	42	9377	22.781	ug/l	95
30) Chloroform	7.427	83	19302	4.620	ug/l	87
31) Cyclohexane	7.707	56	23482	5.519	ug/l #	90
32) 1,1,1-Trichloroethane	7.628	97	16476	4.413	ug/l	98
36) 1,1-Dichloropropene	7.841	75	14700	4.367	ug/l	99
37) Ethyl Acetate	6.994	43	6409m	4.326	ug/l	
38) Carbon Tetrachloride	7.823	117	14691	4.233	ug/l	95
39) Methylcyclohexane	9.109	83	20076	4.415	ug/l	95
40) Benzene	8.085	78	42926	4.326	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	4192	4.394	ug/l	#	89
42) 1,2-Dichloroethane	8.164	62	11332	4.198	ug/l		99
43) Isopropyl Acetate	8.207	43	13330	4.117	ug/l		95
44) Trichloroethene	8.872	130	10404	4.292	ug/l		79
45) 1,2-Dichloropropane	9.146	63	9678	4.091	ug/l		100
46) Dibromomethane	9.244	93	5596	4.223	ug/l		95
47) Bromodichloromethane	9.433	83	13448	3.999	ug/l		96
48) Methyl methacrylate	9.225	41	6483	4.374	ug/l		91
49) 1,4-Dioxane	9.231	88	1356m	85.767	ug/l		
51) 4-Methyl-2-Pentanone	10.000	43	30969	19.273	ug/l		98
52) Toluene	10.170	92	25893	4.150	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	12388	3.982	ug/l		91
54) cis-1,3-Dichloropropene	9.859	75	14966	4.103	ug/l		100
55) 1,1,2-Trichloroethane	10.579	97	7318	4.385	ug/l		98
56) Ethyl methacrylate	10.445	69	9092	3.751	ug/l		94
57) 1,3-Dichloropropane	10.719	76	12648	4.255	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	24214	22.409	ug/l		97
59) 2-Hexanone	10.768	43	21243	19.832	ug/l		94
60) Dibromochloromethane	10.914	129	8781	4.152	ug/l		94
61) 1,2-Dibromoethane	11.018	107	6146	3.991	ug/l		100
64) Tetrachloroethene	10.652	164	10863	4.417	ug/l		95
65) Chlorobenzene	11.444	112	27467	4.377	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	8422	3.959	ug/l		94
67) Ethyl Benzene	11.524	91	47883	4.098	ug/l		96
68) m/p-Xylenes	11.627	106	35645	8.060	ug/l		99
69) o-Xylene	11.956	106	16866	4.075	ug/l		95
70) Styrene	11.975	104	26313	3.840	ug/l		99
71) Bromoform	12.133	173	4649	4.159	ug/l	#	97
73) Isopropylbenzene	12.255	105	44350	4.307	ug/l		100
74) N-amyl acetate	12.072	43	9632	3.699	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	7289	4.359	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	7478m	4.432	ug/l		
77) Bromobenzene	12.536	156	9241	4.234	ug/l		95
78) n-propylbenzene	12.597	91	56543	4.511	ug/l		98
79) 2-Chlorotoluene	12.682	91	30387	4.591	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	35122	4.362	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	2596	4.411	ug/l		96
82) 4-Chlorotoluene	12.780	91	30501	4.447	ug/l		99
83) tert-Butylbenzene	12.999	119	31232	4.252	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	34752	4.314	ug/l		100
85) sec-Butylbenzene	13.176	105	49546	4.449	ug/l		99
86) p-Isopropyltoluene	13.292	119	38822	4.240	ug/l		98
87) 1,3-Dichlorobenzene	13.292	146	19350	4.431	ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	19268	4.529	ug/l		91
89) n-Butylbenzene	13.615	91	37774	4.333	ug/l		100
90) Hexachloroethane	13.883	117	8072	4.506	ug/l		98
91) 1,2-Dichlorobenzene	13.664	146	15922	4.244	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	949	3.754	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	8529	4.159	ug/l		95
94) Hexachlorobutadiene	15.023	225	5627	5.024	ug/l		98
95) Naphthalene	15.145	128	15167	3.859	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	7952	4.563	ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

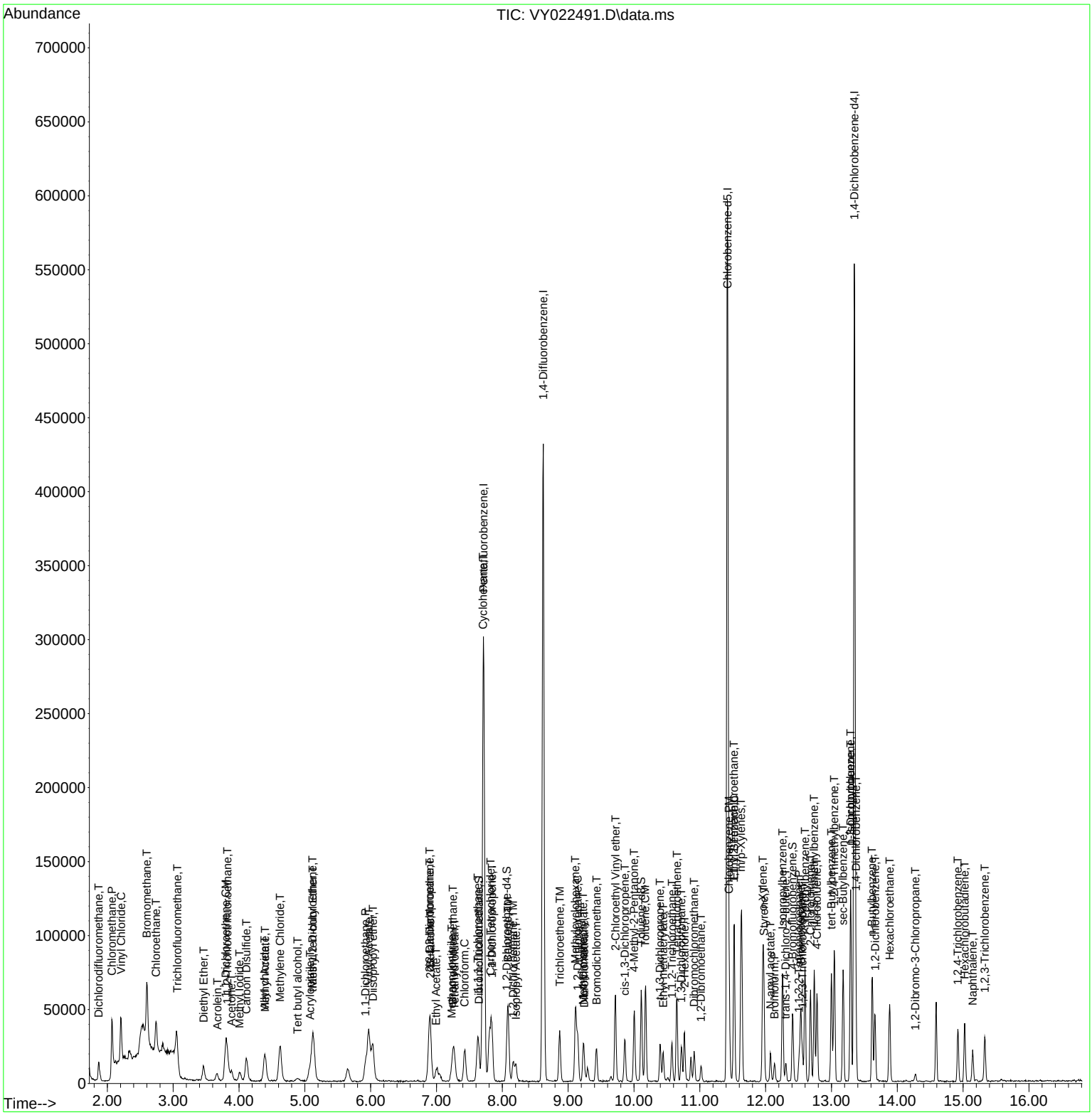
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	211235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	366386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	302825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	24246	10.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.100%#		
35) Dibromofluoromethane	7.646	113	20743	9.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.240%#		
50) Toluene-d8	10.109	98	86561	9.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.860%#		
62) 4-Bromofluorobenzene	12.408	95	24870	9.409	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.820%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	22911	12.412	ug/l	99
3) Chloromethane	2.068	50	67191	12.339	ug/l	99
4) Vinyl Chloride	2.202	62	76656	12.027	ug/l	97
5) Bromomethane	2.598	94	73289	12.157	ug/l	99
6) Chloroethane	2.739	64	53992	12.374	ug/l	99
7) Trichlorofluoromethane	3.056	101	63044	11.642	ug/l	97
8) Diethyl Ether	3.458	74	14144	11.826	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	25997	11.445	ug/l	99
10) Methyl Iodide	4.007	142	25590	10.505	ug/l	99
11) Tert butyl alcohol	4.891	59	9732	59.275	ug/l #	73
12) 1,1-Dichloroethene	3.799	96	24370	11.240	ug/l	99
13) Acrolein	3.671	56	9650	48.151	ug/l	94
14) Allyl chloride	4.391	41	38482	11.389	ug/l	95
15) Acrylonitrile	5.073	53	29150	57.299	ug/l	99
16) Acetone	3.885	43	25066	55.166	ug/l	98
17) Carbon Disulfide	4.110	76	79008	11.413	ug/l	99
18) Methyl Acetate	4.397	43	17228	12.603	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	68336	11.296	ug/l	95
20) Methylene Chloride	4.622	84	29569	11.655	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	27493	11.350	ug/l	88
22) Diisopropyl ether	6.031	45	83814	11.156	ug/l	96
23) Vinyl Acetate	5.970	43	241364	54.152	ug/l	99
24) 1,1-Dichloroethane	5.927	63	50391	11.346	ug/l	96
25) 2-Butanone	6.909	43	36756	54.840	ug/l	95
26) 2,2-Dichloropropane	6.890	77	43605	11.045	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	30873	11.028	ug/l	99
28) Bromochloromethane	7.256	49	20132	10.491	ug/l	99
29) Tetrahydrofuran	7.274	42	25001	57.822	ug/l	97
30) Chloroform	7.427	83	49990	11.391	ug/l	89
31) Cyclohexane	7.707	56	51050	11.422	ug/l #	95
32) 1,1,1-Trichloroethane	7.628	97	43454	11.080	ug/l	97
36) 1,1-Dichloropropene	7.841	75	37532	10.765	ug/l	99
37) Ethyl Acetate	6.994	43	15914	10.371	ug/l #	93
38) Carbon Tetrachloride	7.829	117	37794	10.515	ug/l	100
39) Methylcyclohexane	9.115	83	49413	10.491	ug/l	97
40) Benzene	8.085	78	108934	10.600	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	9043m	9.151	ug/l		
42) 1,2-Dichloroethane	8.164	62	31102	11.125	ug/l		99
43) Isopropyl Acetate	8.201	43	36411	10.859	ug/l		97
44) Trichloroethene	8.865	130	28431	11.325	ug/l		91
45) 1,2-Dichloropropane	9.146	63	26665	10.884	ug/l		97
46) Dibromomethane	9.237	93	14601m	10.637	ug/l		
47) Bromodichloromethane	9.426	83	38475	11.048	ug/l		96
48) Methyl methacrylate	9.225	41	16122	10.501	ug/l		98
49) 1,4-Dioxane	9.243	88	3535	215.881	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	88634	53.259	ug/l		100
52) Toluene	10.176	92	68265	10.565	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	34307	10.649	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	40229	10.649	ug/l		98
55) 1,1,2-Trichloroethane	10.579	97	18848	10.904	ug/l		94
56) Ethyl methacrylate	10.444	69	26171	10.426	ug/l		97
57) 1,3-Dichloropropane	10.719	76	33836	10.991	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	52396	46.819	ug/l		99
59) 2-Hexanone	10.761	43	57738	52.045	ug/l		100
60) Dibromochloromethane	10.914	129	23423	10.694	ug/l		99
61) 1,2-Dibromoethane	11.018	107	17302	10.847	ug/l		96
64) Tetrachloroethene	10.652	164	28680	11.144	ug/l		97
65) Chlorobenzene	11.444	112	70845	10.789	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	23209	10.427	ug/l		96
67) Ethyl Benzene	11.524	91	126556	10.350	ug/l		100
68) m/p-Xylenes	11.633	106	94535	20.427	ug/l		99
69) o-Xylene	11.956	106	45374	10.476	ug/l		99
70) Styrene	11.975	104	72373	10.092	ug/l		98
71) Bromoform	12.133	173	12637	10.804	ug/l	#	99
73) Isopropylbenzene	12.255	105	118344	10.695	ug/l		99
74) N-amyl acetate	12.072	43	29609	10.581	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	20264	11.276	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	16751m	9.239	ug/l		
77) Bromobenzene	12.536	156	25392	10.827	ug/l		98
78) n-propylbenzene	12.597	91	143414	10.648	ug/l		100
79) 2-Chlorotoluene	12.682	91	75325	10.591	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	91121	10.532	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	7009	11.084	ug/l		96
82) 4-Chlorotoluene	12.779	91	78689	10.676	ug/l		100
83) tert-Butylbenzene	12.999	119	81823	10.367	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	90848	10.495	ug/l		98
85) sec-Butylbenzene	13.176	105	127776	10.678	ug/l		100
86) p-Isopropyltoluene	13.291	119	99940	10.158	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	48971	10.437	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	49834	10.900	ug/l		98
89) n-Butylbenzene	13.621	91	97544	10.413	ug/l		99
90) Hexachloroethane	13.877	117	20466	10.631	ug/l		96
91) 1,2-Dichlorobenzene	13.663	146	43460	10.781	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3014	11.095	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	23710	10.760	ug/l		98
94) Hexachlorobutadiene	15.023	225	13179	10.951	ug/l		99
95) Naphthalene	15.145	128	44061	10.434	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	19814	10.581	ug/l		96

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

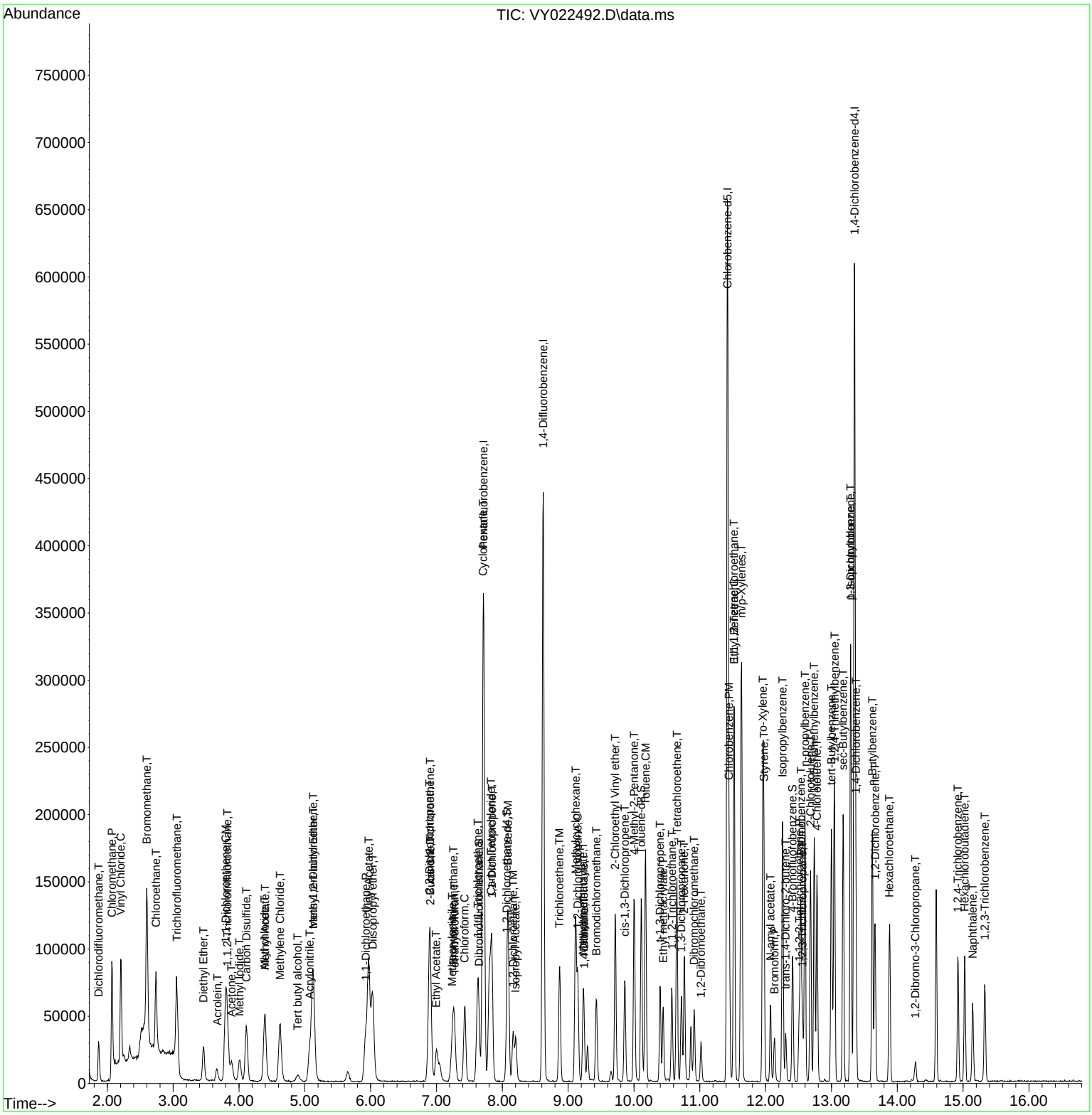
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	217359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	369398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	314276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48383	20.457	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.920%#		
35) Dibromofluoromethane	7.640	113	44482	20.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.920%#		
50) Toluene-d8	10.109	98	171165	19.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.940%#		
62) 4-Bromofluorobenzene	12.408	95	51231	19.225	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	43056	22.669	ug/l	99
3) Chloromethane	2.068	50	124441	22.209	ug/l	98
4) Vinyl Chloride	2.208	62	143182	21.833	ug/l	99
5) Bromomethane	2.592	94	148203	23.891	ug/l	99
6) Chloroethane	2.739	64	104116	23.188	ug/l	98
7) Trichlorofluoromethane	3.056	101	124370	22.320	ug/l	94
8) Diethyl Ether	3.458	74	27359	22.230	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	49746	21.283	ug/l	99
10) Methyl Iodide	4.013	142	52917	21.112	ug/l	99
11) Tert butyl alcohol	4.891	59	19456	115.163	ug/l	96
12) 1,1-Dichloroethene	3.793	96	47770	21.411	ug/l	100
13) Acrolein	3.659	56	22974	111.404	ug/l	98
14) Allyl chloride	4.391	41	73926	21.263	ug/l	98
15) Acrylonitrile	5.073	53	57803	110.420	ug/l	97
16) Acetone	3.885	43	52330	111.925	ug/l	99
17) Carbon Disulfide	4.110	76	150515	21.130	ug/l	99
18) Methyl Acetate	4.397	43	34419	24.470	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	136549	21.935	ug/l	98
20) Methylene Chloride	4.622	84	55399	21.222	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	53194	21.342	ug/l	93
22) Diisopropyl ether	6.031	45	168064	21.739	ug/l	97
23) Vinyl Acetate	5.970	43	497937	108.569	ug/l	99
24) 1,1-Dichloroethane	5.927	63	97760	21.392	ug/l	97
25) 2-Butanone	6.902	43	77329	112.124	ug/l	93
26) 2,2-Dichloropropane	6.890	77	84543	20.811	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	61362	21.300	ug/l	98
28) Bromochloromethane	7.256	49	41634	21.085	ug/l	99
29) Tetrahydrofuran	7.268	42	49517	111.296	ug/l	99
30) Chloroform	7.427	83	96414	21.350	ug/l	96
31) Cyclohexane	7.707	56	95487	20.762	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	84365	20.905	ug/l	99
36) 1,1-Dichloropropene	7.841	75	72658	20.670	ug/l	98
37) Ethyl Acetate	6.988	43	34204	22.110	ug/l	98
38) Carbon Tetrachloride	7.823	117	73370	20.247	ug/l	93
39) Methylcyclohexane	9.115	83	95280	20.065	ug/l	97
40) Benzene	8.085	78	217595	21.000	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	19470	19.542	ug/l		95
42) 1,2-Dichloroethane	8.164	62	61097	21.676	ug/l		98
43) Isopropyl Acetate	8.201	43	73745	21.814	ug/l		97
44) Trichloroethene	8.872	130	52175	20.613	ug/l		98
45) 1,2-Dichloropropane	9.146	63	52378	21.204	ug/l		99
46) Dibromomethane	9.237	93	29741	21.491	ug/l		99
47) Bromodichloromethane	9.426	83	73717	20.995	ug/l		99
48) Methyl methacrylate	9.225	41	34508	22.294	ug/l		99
49) 1,4-Dioxane	9.237	88	7444	450.895	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	181461	108.147	ug/l		98
52) Toluene	10.176	92	133601	20.508	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	70358	21.660	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	80524	21.141	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	38079	21.849	ug/l		98
56) Ethyl methacrylate	10.444	69	54734	21.626	ug/l		99
57) 1,3-Dichloropropane	10.719	76	66163	21.317	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	118244	104.797	ug/l		100
59) 2-Hexanone	10.761	43	122817	109.805	ug/l		99
60) Dibromochloromethane	10.914	129	47952	21.715	ug/l		98
61) 1,2-Dibromoethane	11.018	107	35324	21.965	ug/l		95
64) Tetrachloroethene	10.652	164	56256	21.063	ug/l		99
65) Chlorobenzene	11.444	112	138583	20.336	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	47587	20.600	ug/l		98
67) Ethyl Benzene	11.524	91	252180	19.871	ug/l		100
68) m/p-Xylenes	11.633	106	192372	40.053	ug/l		99
69) o-Xylene	11.956	106	90598	20.155	ug/l		98
70) Styrene	11.969	104	149486	20.086	ug/l		98
71) Bromoform	12.133	173	25089	20.668	ug/l	#	99
73) Isopropylbenzene	12.255	105	236185	20.303	ug/l		99
74) N-amyl acetate	12.072	43	62437	21.224	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	39986	21.165	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	33589m	17.622	ug/l		
77) Bromobenzene	12.536	156	51416	20.853	ug/l		99
78) n-propylbenzene	12.597	91	286589	20.239	ug/l		99
79) 2-Chlorotoluene	12.682	91	153250	20.497	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	187101	20.570	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	13897	20.904	ug/l		97
82) 4-Chlorotoluene	12.779	91	154601	19.951	ug/l		99
83) tert-Butylbenzene	12.999	119	167512	20.188	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	184202	20.241	ug/l		100
85) sec-Butylbenzene	13.176	105	251350	19.979	ug/l		100
86) p-Isopropyltoluene	13.292	119	207417	20.054	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	99901	20.252	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	100082	20.823	ug/l		98
89) n-Butylbenzene	13.621	91	199786	20.287	ug/l		99
90) Hexachloroethane	13.883	117	41119	20.316	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	89355	21.085	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5939	20.796	ug/l		94
93) 1,2,4-Trichlorobenzene	14.925	180	46919	20.254	ug/l		99
94) Hexachlorobutadiene	15.023	225	25462	20.124	ug/l		99
95) Naphthalene	15.145	128	93203	20.994	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	41131	20.892	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

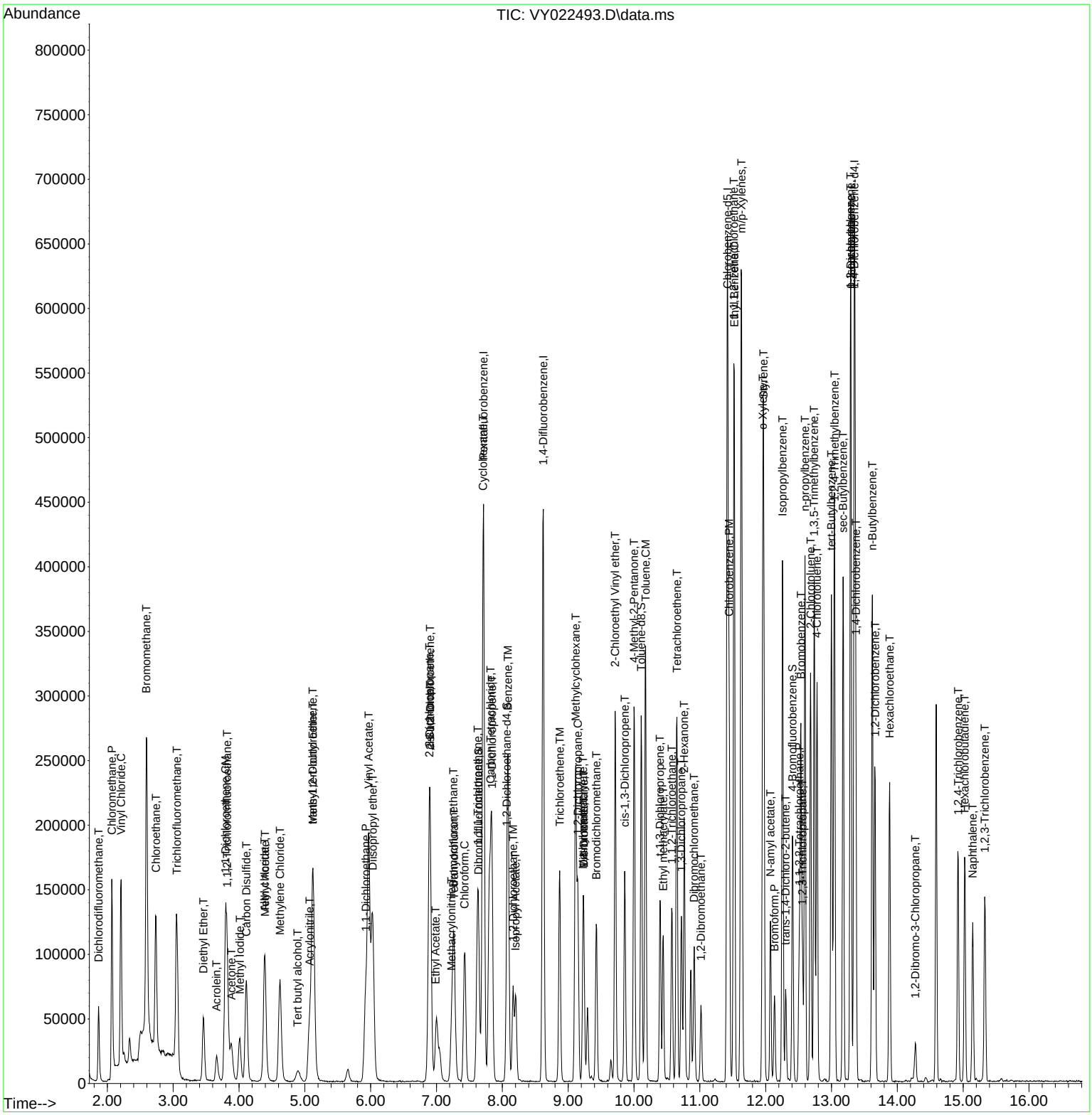
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	209963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124098	54.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.640%			
35) Dibromofluoromethane	7.640	113	112624	54.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.020%			
50) Toluene-d8	10.109	98	448690	53.734	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.460%			
62) 4-Bromofluorobenzene	12.408	95	130393	51.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86654	47.230	ug/l	100
3) Chloromethane	2.068	50	258324	47.727	ug/l	100
4) Vinyl Chloride	2.202	62	314332	49.618	ug/l	100
5) Bromomethane	2.598	94	260442	43.463	ug/l	100
6) Chloroethane	2.739	64	202595	46.711	ug/l	100
7) Trichlorofluoromethane	3.056	101	257006	47.749	ug/l	100
8) Diethyl Ether	3.464	74	61045	51.349	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	112910	50.009	ug/l	100
10) Methyl Iodide	4.007	142	135237	55.855	ug/l	100
11) Tert butyl alcohol	4.885	59	41304	253.096	ug/l	100
12) 1,1-Dichloroethene	3.800	96	108756	50.463	ug/l	100
13) Acrolein	3.659	56	50388	252.946	ug/l	100
14) Allyl chloride	4.391	41	169258	50.399	ug/l	100
15) Acrylonitrile	5.068	53	132018	261.075	ug/l	100
16) Acetone	3.879	43	121507	269.036	ug/l	100
17) Carbon Disulfide	4.110	76	349342	50.769	ug/l	100
18) Methyl Acetate	4.397	43	69815	51.384	ug/l	100
19) Methyl tert-butyl Ether	5.129	73	308578	51.316	ug/l	100
20) Methylene Chloride	4.623	84	120562	47.810	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	119917	49.807	ug/l	100
22) Diisopropyl ether	6.025	45	381760	51.120	ug/l	100
23) Vinyl Acetate	5.970	43	1137415	256.734	ug/l	100
24) 1,1-Dichloroethane	5.921	63	222533	50.410	ug/l	100
25) 2-Butanone	6.903	43	176185	264.461	ug/l	100
26) 2,2-Dichloropropane	6.890	77	198763	50.650	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	143210	51.463	ug/l	100
28) Bromochloromethane	7.250	49	95397	50.015	ug/l	100
29) Tetrahydrofuran	7.268	42	109698	255.247	ug/l	100
30) Chloroform	7.427	83	222226	50.944	ug/l	100
31) Cyclohexane	7.707	56	213031	47.951	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	199103	51.074	ug/l	100
36) 1,1-Dichloropropene	7.841	75	170708	51.116	ug/l	100
37) Ethyl Acetate	6.994	43	80426	54.721	ug/l	100
38) Carbon Tetrachloride	7.823	117	178292	51.787	ug/l	100
39) Methylcyclohexane	9.116	83	230536	51.100	ug/l	100
40) Benzene	8.085	78	505749	51.376	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	43865	46.342	ug/l		100
42) 1,2-Dichloroethane	8.165	62	136876	51.114	ug/l		100
43) Isopropyl Acetate	8.201	43	167771	52.237	ug/l		100
44) Trichloroethene	8.866	130	124670	51.843	ug/l		100
45) 1,2-Dichloropropane	9.146	63	120660	51.415	ug/l		100
46) Dibromomethane	9.231	93	67690	51.485	ug/l		100
47) Bromodichloromethane	9.427	83	172341	51.664	ug/l		100
48) Methyl methacrylate	9.225	41	77885	52.963	ug/l		100
49) 1,4-Dioxane	9.244	88	15334	977.637	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	425868	267.154	ug/l		100
52) Toluene	10.176	92	316972	51.213	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	161859	52.450	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	188559	52.108	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	84788	51.209	ug/l		100
56) Ethyl methacrylate	10.445	69	127271	52.930	ug/l		100
57) 1,3-Dichloropropane	10.719	76	152809	51.821	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	279669	260.896	ug/l		100
59) 2-Hexanone	10.762	43	283601	266.885	ug/l		100
60) Dibromochloromethane	10.914	129	110314	52.582	ug/l		100
61) 1,2-Dibromoethane	11.018	107	78151	51.150	ug/l		100
64) Tetrachloroethene	10.652	164	130171	51.367	ug/l		100
65) Chlorobenzene	11.444	112	332645	51.447	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112934	51.526	ug/l		100
67) Ethyl Benzene	11.518	91	621031	51.577	ug/l		100
68) m/p-Xylenes	11.633	106	468441	102.795	ug/l		100
69) o-Xylene	11.957	106	218760	51.293	ug/l		100
70) Styrene	11.969	104	367553	52.052	ug/l		100
71) Bromoform	12.133	173	59888	51.996	ug/l	#	100
73) Isopropylbenzene	12.255	105	577133	51.329	ug/l		100
74) N-amyl acetate	12.072	43	149637	52.627	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	95218	52.145	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	87965m	47.747	ug/l		
77) Bromobenzene	12.536	156	121092	50.812	ug/l		100
78) n-propylbenzene	12.597	91	707143	51.667	ug/l		100
79) 2-Chlorotoluene	12.682	91	373402	51.670	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	455006	51.754	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	32630	50.780	ug/l		100
82) 4-Chlorotoluene	12.780	91	387296	51.710	ug/l		100
83) tert-Butylbenzene	12.999	119	404519	50.438	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	449372	51.088	ug/l		100
85) sec-Butylbenzene	13.176	105	623185	51.250	ug/l		100
86) p-Isopropyltoluene	13.292	119	510026	51.018	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	241816	50.717	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	237429	51.108	ug/l		100
89) n-Butylbenzene	13.621	91	493153	51.811	ug/l		100
90) Hexachloroethane	13.883	117	99901	51.068	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	211065	51.528	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14697	53.244	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	114007	50.919	ug/l		100
94) Hexachlorobutadiene	15.023	225	62434	51.054	ug/l		100
95) Naphthalene	15.145	128	226073	52.686	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	97609	51.295	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

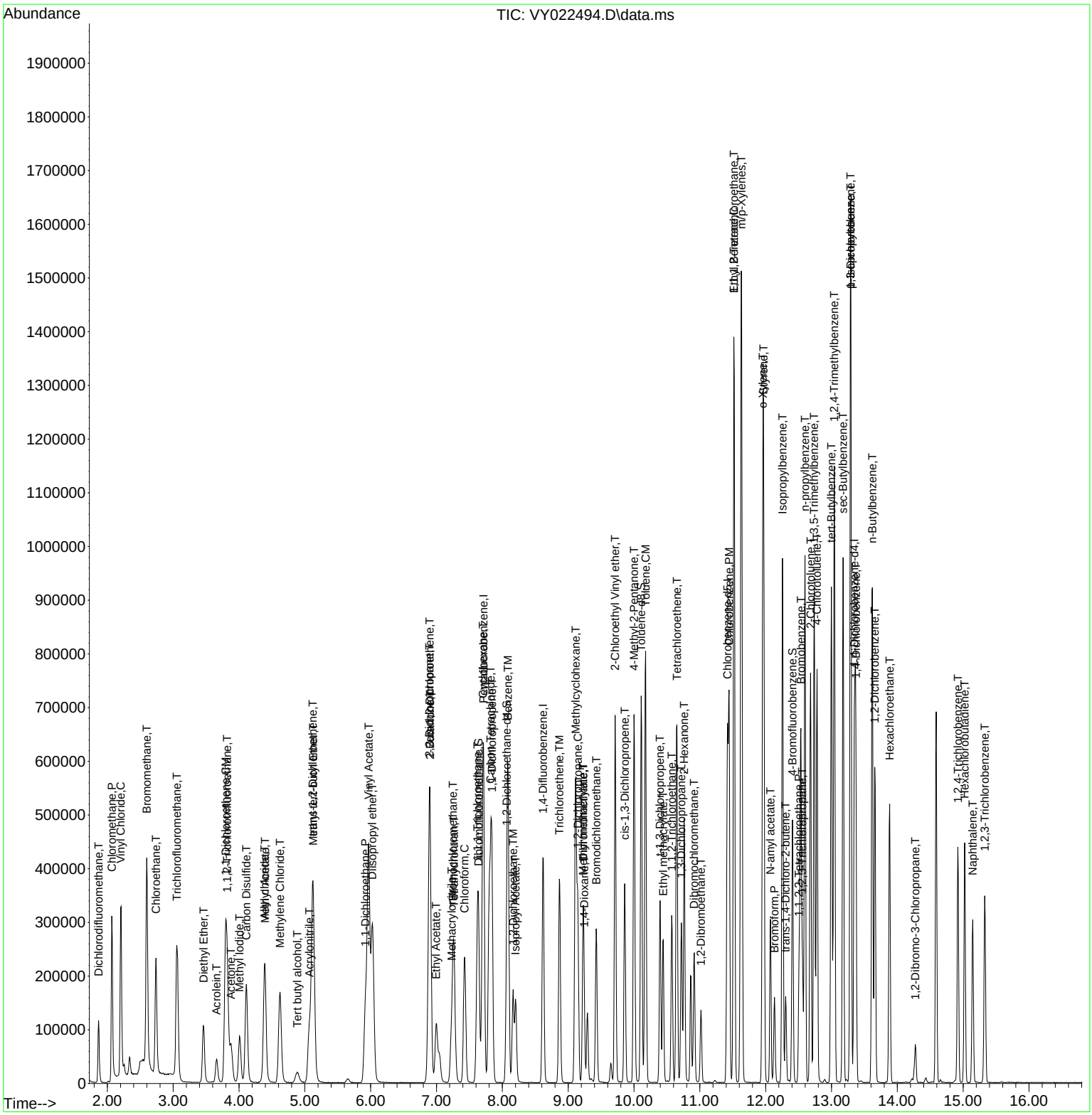
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	220566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	362519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	243724	101.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 203.100%#			
35) Dibromofluoromethane	7.634	113	222443	104.234	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 208.460%#			
50) Toluene-d8	10.109	98	908424	105.318	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 210.640%#			
62) 4-Bromofluorobenzene	12.407	95	270310	103.359	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	175145	90.872	ug/l	97
3) Chloromethane	2.068	50	519859	91.429	ug/l	99
4) Vinyl Chloride	2.202	62	636843	95.695	ug/l	100
5) Bromomethane	2.592	94	591589	93.980	ug/l	99
6) Chloroethane	2.732	64	414935	91.070	ug/l	96
7) Trichlorofluoromethane	3.049	101	539323	95.384	ug/l	97
8) Diethyl Ether	3.458	74	122923	98.428	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.817	101	230240	97.074	ug/l	99
10) Methyl Iodide	4.006	142	278576	109.525	ug/l	99
11) Tert butyl alcohol	4.878	59	83900	489.395	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	224855	99.317	ug/l	97
13) Acrolein	3.653	56	109392	522.746	ug/l	100
14) Allyl chloride	4.390	41	354774	100.560	ug/l	98
15) Acrylonitrile	5.067	53	269411	507.168	ug/l	100
16) Acetone	3.872	43	231202	487.310	ug/l	100
17) Carbon Disulfide	4.110	76	722508	99.952	ug/l	99
18) Methyl Acetate	4.390	43	132608	92.907	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	632873	100.187	ug/l	99
20) Methylene Chloride	4.622	84	241903	91.318	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	253184	100.103	ug/l	95
22) Diisopropyl ether	6.024	45	794164	101.232	ug/l	98
23) Vinyl Acetate	5.963	43	2424134	520.866	ug/l	99
24) 1,1-Dichloroethane	5.915	63	463641	99.980	ug/l	99
25) 2-Butanone	6.896	43	358881	512.798	ug/l	99
26) 2,2-Dichloropropane	6.890	77	420323	101.961	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	294837	100.858	ug/l	98
28) Bromochloromethane	7.250	49	206906	103.263	ug/l	100
29) Tetrahydrofuran	7.268	42	226299	501.243	ug/l	99
30) Chloroform	7.426	83	459957	100.373	ug/l	96
31) Cyclohexane	7.707	56	428074	91.723	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	419389	102.410	ug/l	99
36) 1,1-Dichloropropene	7.841	75	355563	103.070	ug/l	99
37) Ethyl Acetate	6.988	43	159922	105.336	ug/l	98
38) Carbon Tetrachloride	7.823	117	368617	103.651	ug/l	96
39) Methylcyclohexane	9.109	83	481512	103.323	ug/l	99
40) Benzene	8.085	78	1052881	103.542	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	97672m	99.893	ug/l		
42) 1,2-Dichloroethane	8.158	62	286305	103.504	ug/l		98
43) Isopropyl Acetate	8.201	43	344110	103.721	ug/l		98
44) Trichloroethene	8.865	130	253632	102.104	ug/l		100
45) 1,2-Dichloropropane	9.146	63	249363	102.865	ug/l		100
46) Dibromomethane	9.231	93	139349	102.605	ug/l		98
47) Bromodichloromethane	9.426	83	356025	103.321	ug/l		99
48) Methyl methacrylate	9.225	41	163867	107.875	ug/l		99
49) 1,4-Dioxane	9.237	88	31675	1955.012	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	884897	537.390	ug/l		98
52) Toluene	10.170	92	676554	105.821	ug/l		100
53) t-1,3-Dichloropropene	10.395	75	339647	106.548	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	394647	105.579	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	176386	103.130	ug/l		97
56) Ethyl methacrylate	10.438	69	270253	108.807	ug/l		99
57) 1,3-Dichloropropane	10.719	76	314882	103.374	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	631985	570.744	ug/l		99
59) 2-Hexanone	10.761	43	599356	546.025	ug/l		99
60) Dibromochloromethane	10.914	129	231582	106.862	ug/l		99
61) 1,2-Dibromoethane	11.017	107	162846	103.182	ug/l		97
64) Tetrachloroethene	10.645	164	260085	97.857	ug/l		98
65) Chlorobenzene	11.444	112	700365	103.277	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	241080	104.874	ug/l		99
67) Ethyl Benzene	11.517	91	1343424	106.379	ug/l		100
68) m/p-Xylenes	11.627	106	1027669	215.017	ug/l		99
69) o-Xylene	11.956	106	478106	106.884	ug/l		100
70) Styrene	11.968	104	807331	109.011	ug/l		99
71) Bromoform	12.133	173	129134	106.900	ug/l	#	98
73) Isopropylbenzene	12.255	105	1251781	103.429	ug/l		100
74) N-amyl acetate	12.072	43	331256	108.232	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	201554	102.543	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	153645m	77.478	ug/l		
77) Bromobenzene	12.535	156	260522	101.560	ug/l		99
78) n-propylbenzene	12.596	91	1517453	103.002	ug/l		99
79) 2-Chlorotoluene	12.682	91	801096	102.984	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	983812	103.959	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	72518	104.845	ug/l		97
82) 4-Chlorotoluene	12.779	91	836500	103.758	ug/l		99
83) tert-Butylbenzene	12.999	119	886942	102.740	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	992770	104.854	ug/l		100
85) sec-Butylbenzene	13.175	105	1348209	103.006	ug/l		100
86) p-Isopropyltoluene	13.291	119	1148821	106.760	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	543396	105.879	ug/l		99
88) 1,4-Dichlorobenzene	13.364	146	503842	100.757	ug/l		98
89) n-Butylbenzene	13.621	91	1062595	103.713	ug/l		99
90) Hexachloroethane	13.883	117	213148	101.224	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	447574	101.511	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	29357	98.805	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	255752	106.117	ug/l		97
94) Hexachlorobutadiene	15.023	225	132452	100.622	ug/l		99
95) Naphthalene	15.145	128	499554	108.155	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	213300	104.136	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

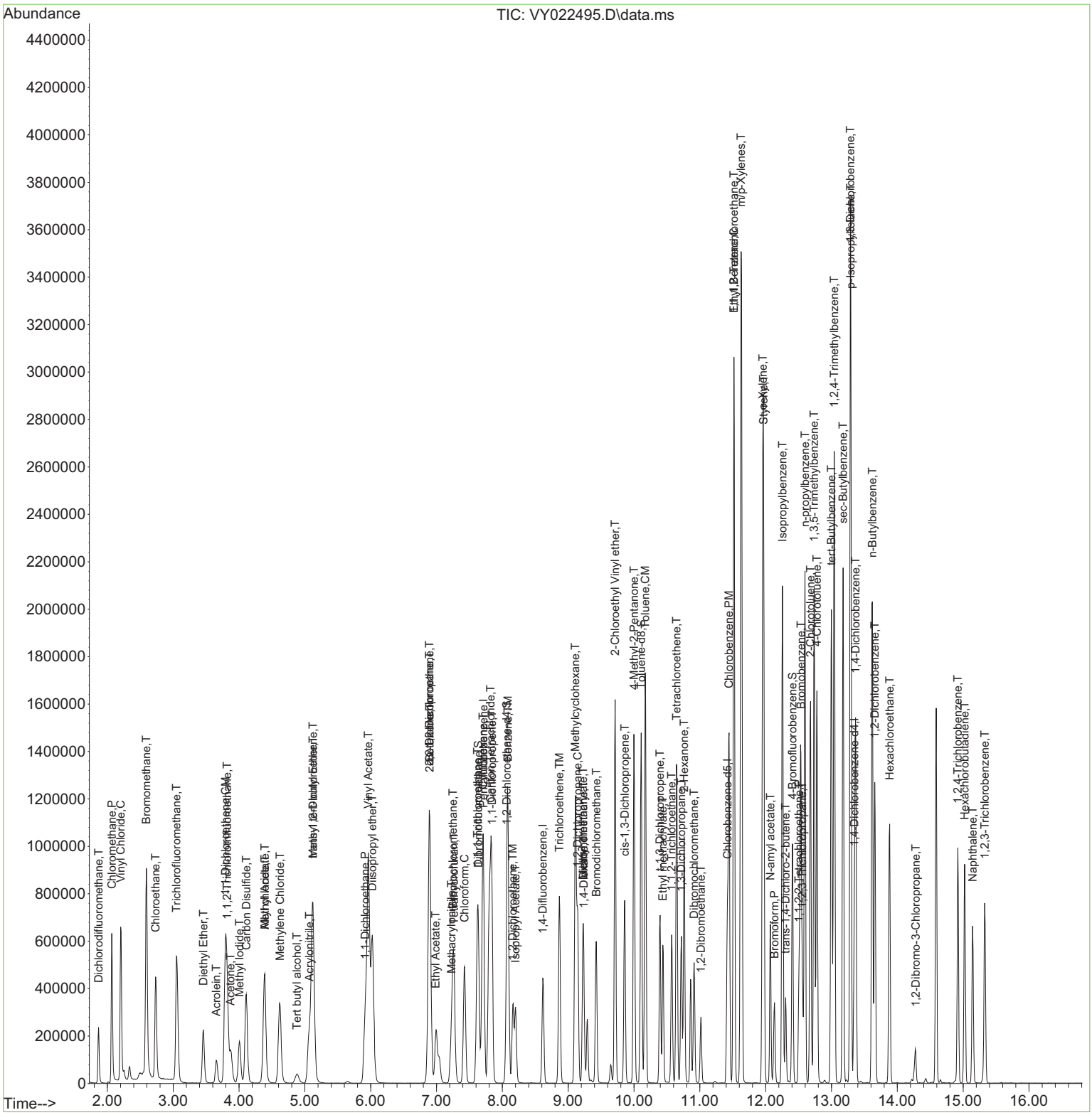
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	225293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	377706	154.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 308.160%#			
35) Dibromofluoromethane	7.634	113	348038	160.661	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 321.320%#			
50) Toluene-d8	10.109	98	1432587	163.617	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 327.240%#			
62) 4-Bromofluorobenzene	12.408	95	426573	160.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 321.360%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	273817	139.086	ug/l	96
3) Chloromethane	2.068	50	800733	137.873	ug/l	99
4) Vinyl Chloride	2.202	62	967746	142.366	ug/l	99
5) Bromomethane	2.586	94	970833	150.991	ug/l	99
6) Chloroethane	2.733	64	651603	140.013	ug/l	95
7) Trichlorofluoromethane	3.050	101	885391	153.303	ug/l	98
8) Diethyl Ether	3.458	74	191391	150.036	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	360800	148.929	ug/l	100
10) Methyl Iodide	4.007	142	416014	160.129	ug/l	100
11) Tert butyl alcohol	4.879	59	128018	731.071	ug/l	100
12) 1,1-Dichloroethene	3.793	96	353193	152.730	ug/l	98
13) Acrolein	3.653	56	156417	731.778	ug/l	100
14) Allyl chloride	4.385	41	551896	153.152	ug/l	100
15) Acrylonitrile	5.061	53	406745	749.634	ug/l	99
16) Acetone	3.879	43	311886	643.577	ug/l	95
17) Carbon Disulfide	4.104	76	1126077	152.513	ug/l	99
18) Methyl Acetate	4.391	43	203507	139.589	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	988071	153.134	ug/l	99
20) Methylene Chloride	4.616	84	371818	137.416	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	399937	154.808	ug/l	99
22) Diisopropyl ether	6.025	45	1244804	155.346	ug/l	99
23) Vinyl Acetate	5.964	43	3806024	800.629	ug/l	100
24) 1,1-Dichloroethane	5.921	63	730276	154.173	ug/l	100
25) 2-Butanone	6.896	43	530692	742.386	ug/l	99
26) 2,2-Dichloropropane	6.890	77	664024	157.698	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	466804	156.334	ug/l	98
28) Bromochloromethane	7.250	49	320509	156.605	ug/l	100
29) Tetrahydrofuran	7.268	42	342435	742.566	ug/l	100
30) Chloroform	7.421	83	717477	153.285	ug/l	94
31) Cyclohexane	7.701	56	667836	140.095	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	660456	157.892	ug/l	99
36) 1,1-Dichloropropene	7.841	75	562935	160.756	ug/l	100
37) Ethyl Acetate	6.988	43	238966	155.059	ug/l	98
38) Carbon Tetrachloride	7.823	117	593167	164.311	ug/l	99
39) Methylcyclohexane	9.109	83	770382	162.851	ug/l	100
40) Benzene	8.085	78	1675603	162.332	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	136495	137.523	ug/l		98
42) 1,2-Dichloroethane	8.158	62	442216	157.491	ug/l		98
43) Isopropyl Acetate	8.201	43	522842	155.250	ug/l		98
44) Trichloroethene	8.866	130	394832	156.583	ug/l		97
45) 1,2-Dichloropropane	9.140	63	385206	156.539	ug/l		99
46) Dibromomethane	9.231	93	218014	158.140	ug/l		100
47) Bromodichloromethane	9.426	83	560425	160.221	ug/l		97
48) Methyl methacrylate	9.225	41	252724	163.897	ug/l		99
49) 1,4-Dioxane	9.231	88	50874	3093.301	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	1358512	812.744	ug/l		98
52) Toluene	10.170	92	1093200	168.447	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	537922	166.237	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	615667	162.259	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	274460	158.086	ug/l		97
56) Ethyl methacrylate	10.438	69	423233	167.865	ug/l		99
57) 1,3-Dichloropropane	10.719	76	488570	158.010	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1000760	890.345	ug/l		100
59) 2-Hexanone	10.762	43	896627	804.699	ug/l		100
60) Dibromochloromethane	10.914	129	356873	162.227	ug/l		100
61) 1,2-Dibromoethane	11.018	107	254128	158.625	ug/l		96
64) Tetrachloroethene	10.646	164	406758	152.453	ug/l		98
65) Chlorobenzene	11.444	112	1113347	163.544	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	395046	171.190	ug/l		99
67) Ethyl Benzene	11.518	91	2196819	173.285	ug/l		100
68) m/p-Xylenes	11.627	106	1694177	353.103	ug/l		100
69) o-Xylene	11.957	106	777688	173.188	ug/l		99
70) Styrene	11.969	104	1334986	179.564	ug/l		99
71) Bromoform	12.133	173	201469	166.138	ug/l	#	99
73) Isopropylbenzene	12.255	105	2011262	166.060	ug/l		100
74) N-amyl acetate	12.072	43	508301	165.957	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	310641	157.927	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	231729m	116.768	ug/l		
77) Bromobenzene	12.530	156	417122	162.489	ug/l		100
78) n-propylbenzene	12.597	91	2416013	163.876	ug/l		98
79) 2-Chlorotoluene	12.682	91	1275581	163.862	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1576906	166.511	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	111432	160.989	ug/l		96
82) 4-Chlorotoluene	12.780	91	1334965	165.467	ug/l		99
83) tert-Butylbenzene	12.999	119	1434641	166.064	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1623289	171.323	ug/l		99
85) sec-Butylbenzene	13.176	105	2140445	163.415	ug/l		100
86) p-Isopropyltoluene	13.292	119	1877539	174.353	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	885058	172.326	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	803022	160.470	ug/l		99
89) n-Butylbenzene	13.615	91	1691118	164.939	ug/l		99
90) Hexachloroethane	13.877	117	338845	160.801	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	705129	159.809	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	44514	149.709	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	390170	161.773	ug/l		97
94) Hexachlorobutadiene	15.023	225	199423	151.389	ug/l		98
95) Naphthalene	15.145	128	753279	162.970	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	321960	157.072	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

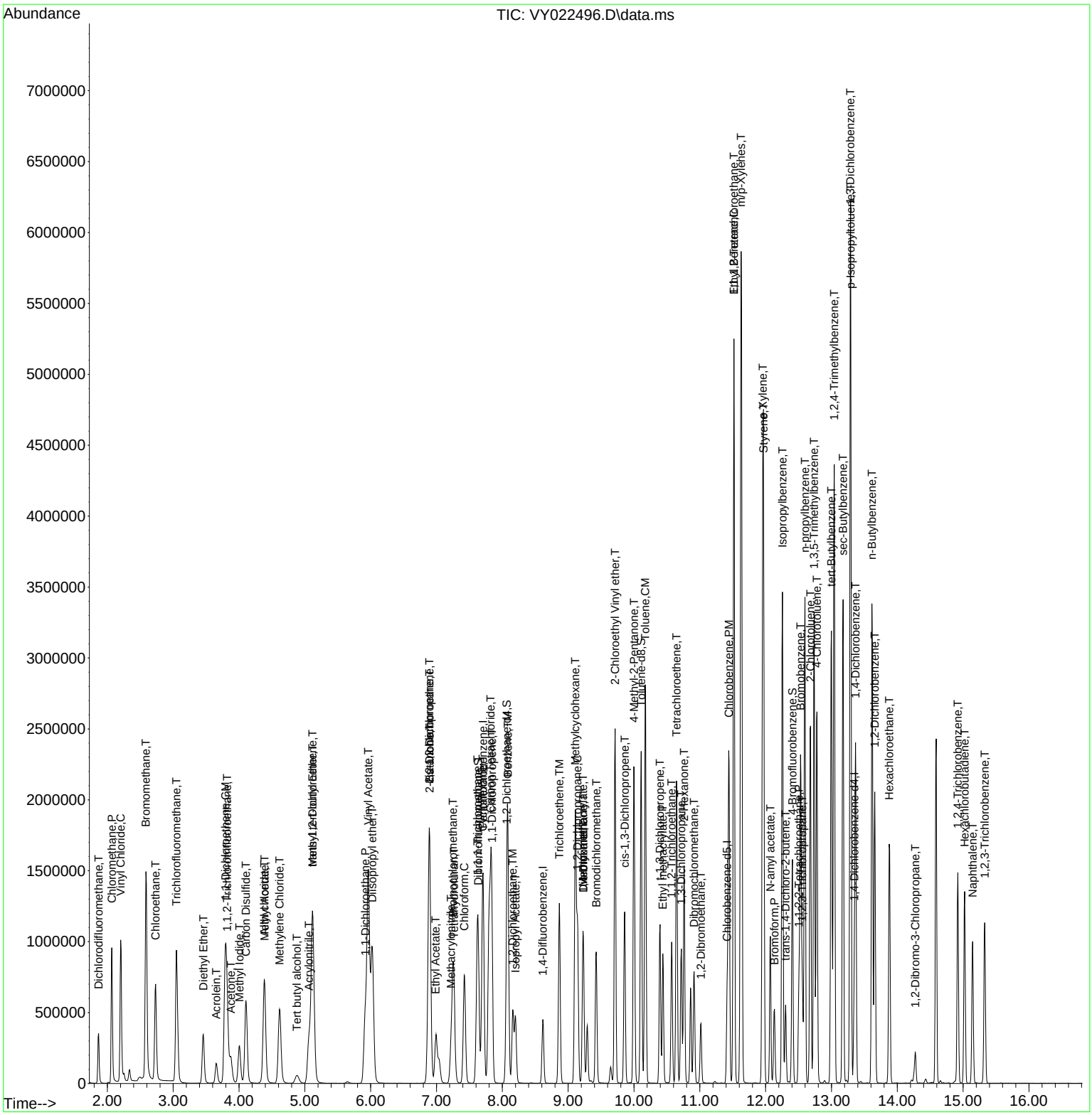
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	365013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106759	43.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 87.080%			
35) Dibromofluoromethane	7.634	113	101692	46.676	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.360%			
50) Toluene-d8	10.109	98	411640	46.760	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.520%			
62) 4-Bromofluorobenzene	12.408	95	120253	45.847	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	84059	42.825	ug/l	99
3) Chloromethane	2.068	50	276116	47.616	ug/l	100
4) Vinyl Chloride	2.202	62	323338	48.066	ug/l	97
5) Bromomethane	2.599	94	274123	42.515	ug/l	99
6) Chloroethane	2.733	64	205816	44.575	ug/l	96
7) Trichlorofluoromethane	3.050	101	271122	47.475	ug/l	96
8) Diethyl Ether	3.458	74	56906	44.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	108788	45.230	ug/l	99
10) Methyl Iodide	4.007	142	116830	44.885	ug/l	100
11) Tert butyl alcohol	4.879	59	36036	205.761	ug/l	97
12) 1,1-Dichloroethene	3.787	96	106297	46.234	ug/l	98
13) Acrolein	3.653	56	48776	223.473	ug/l	98
14) Allyl chloride	4.385	41	165428	45.834	ug/l	99
15) Acrylonitrile	5.061	53	118175	216.963	ug/l	100
16) Acetone	3.873	43	110479	221.854	ug/l	99
17) Carbon Disulfide	4.104	76	341772	46.432	ug/l	100
18) Methyl Acetate	4.391	43	57416	38.935	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	284761	43.974	ug/l	99
20) Methylene Chloride	4.616	84	115624	40.875	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	118427	46.024	ug/l	95
22) Diisopropyl ether	6.019	45	354328	44.104	ug/l	96
23) Vinyl Acetate	5.964	43	1064896	223.951	ug/l	100
24) 1,1-Dichloroethane	5.915	63	217965	46.053	ug/l	98
25) 2-Butanone	6.897	43	158557	220.736	ug/l	98
26) 2,2-Dichloropropane	6.890	77	195035	46.639	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	136882	46.024	ug/l	99
28) Bromochloromethane	7.244	49	96031	46.547	ug/l	100
29) Tetrahydrofuran	7.262	42	98109	211.767	ug/l	100
30) Chloroform	7.427	83	215264	45.919	ug/l	94
31) Cyclohexane	7.701	56	206176	43.757	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	194039	46.627	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166116	46.978	ug/l	99
37) Ethyl Acetate	6.988	43	68761	43.605	ug/l	98
38) Carbon Tetrachloride	7.823	117	173199	47.747	ug/l	97
39) Methylcyclohexane	9.110	83	222971	46.923	ug/l	99
40) Benzene	8.085	78	491078	47.020	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	39730	43.134 ug/l	99
42) 1,2-Dichloroethane	8.158	62	130161	45.644 ug/l	98
43) Isopropyl Acetate	8.201	43	150263	44.122 ug/l #	88
44) Trichloroethene	8.866	130	118971	46.609 ug/l	97
45) 1,2-Dichloropropane	9.140	63	114988	46.587 ug/l	96
46) Dibromomethane	9.231	93	64473	46.430 ug/l	98
47) Bromodichloromethane	9.427	83	164872	46.825 ug/l	100
48) Methyl methacrylate	9.219	41	70644	44.198 ug/l	98
49) 1,4-Dioxane	9.231	88	13433	816.553 ug/l #	95
51) 4-Methyl-2-Pentanone	10.000	43	372276	219.250 ug/l	98
52) Toluene	10.170	92	309375	47.137 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	152066	46.094 ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	177445	46.206 ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	79596	44.953 ug/l	96
56) Ethyl methacrylate	10.439	69	115237	45.029 ug/l	99
57) 1,3-Dichloropropane	10.719	76	143407	45.696 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	283213	243.746 ug/l	99
59) 2-Hexanone	10.762	43	249926	220.088 ug/l	99
60) Dibromochloromethane	10.914	129	101515	45.114 ug/l	100
61) 1,2-Dibromoethane	11.018	107	74173	45.960 ug/l	97
64) Tetrachloroethene	10.646	164	121944	45.398 ug/l	98
65) Chlorobenzene	11.444	112	317533	45.953 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	105830	45.464 ug/l	98
67) Ethyl Benzene	11.518	91	605560	47.248 ug/l	99
68) m/p-Xylenes	11.633	106	454148	93.473 ug/l	100
69) o-Xylene	11.957	106	209354	45.959 ug/l	98
70) Styrene	11.969	104	352505	46.815 ug/l	98
71) Bromoform	12.133	173	55559	44.852 ug/l #	98
73) Isopropylbenzene	12.255	105	559690	46.933 ug/l	100
74) N-amyl acetate	12.072	43	136915	45.502 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	87402	44.656 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	68304m	41.103 ug/l	
77) Bromobenzene	12.536	156	114771	45.607 ug/l	100
78) n-propylbenzene	12.597	91	680155	46.696 ug/l	99
79) 2-Chlorotoluene	12.682	91	358756	46.472 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	438873	46.876 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	29567	42.968 ug/l	100
82) 4-Chlorotoluene	12.780	91	368631	46.289 ug/l	100
83) tert-Butylbenzene	12.999	119	400440	47.655 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	437631	46.735 ug/l	99
85) sec-Butylbenzene	13.176	105	607968	47.241 ug/l	100
86) p-Isopropyltoluene	13.292	119	501979	47.321 ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	234193	45.932 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	223096	45.113 ug/l	98
89) n-Butylbenzene	13.621	91	482774	47.968 ug/l	100
90) Hexachloroethane	13.883	117	97273	47.101 ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	195728	45.213 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12728	44.665 ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	109742	46.481 ug/l	97
94) Hexachlorobutadiene	15.023	225	59236	45.457 ug/l	98
95) Naphthalene	15.145	128	203925	45.009 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	89699	44.331 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

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

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

Quantitation Report (QT Reviewed)

ICAL Form

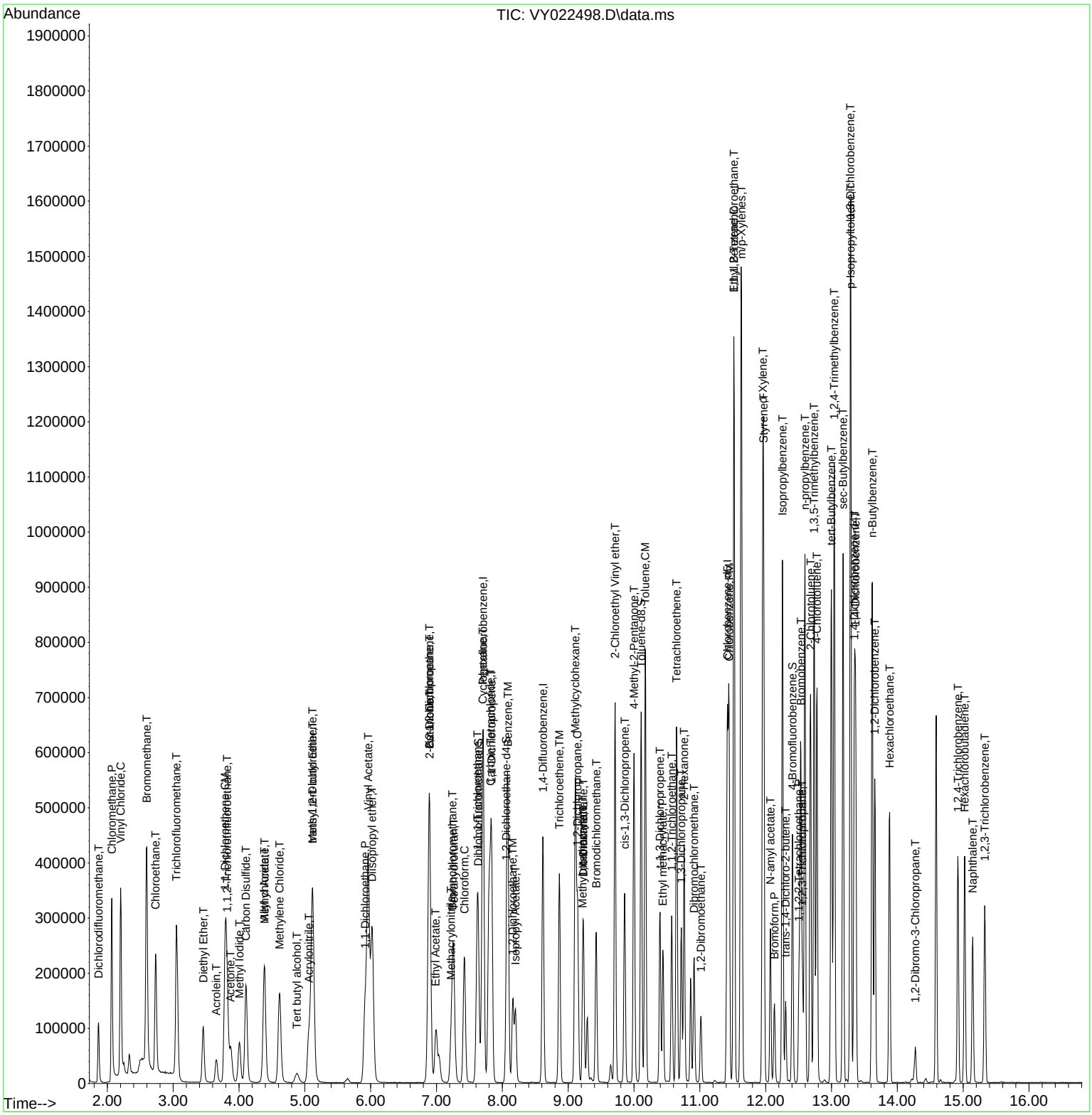
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	104	0.00
2	T	Dichlorodifluoromethane	0.448	0.383	14.5	97	0.00
3	P	Chloromethane	1.322	1.259	4.8	107	0.00
4	C	Vinyl Chloride	1.534	1.475	3.8#	103	0.00
5	T	Bromomethane	1.470	1.250	15.0	105	0.00
6	T	Chloroethane	1.053	0.939	10.8	102	0.00
7	T	Trichlorofluoromethane	1.302	1.237	5.0	105	0.00
8	T	Diethyl Ether	0.293	0.260	11.3	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.496	9.7	96	0.00
10	T	Methyl Iodide	0.594	0.533	10.3	86	0.00
11	T	Tert butyl alcohol	0.040	0.033	17.5	87	0.00
12	CM	1,1-Dichloroethene	0.524	0.485	7.4#	98	-0.01
13	T	Acrolein	0.050	0.044	12.0	97	0.00
14	T	Allyl chloride	0.823	0.755	8.3	98	0.00
15	T	Acrylonitrile	0.124	0.108	12.9	90	0.00
16	T	Acetone	0.114	0.101	11.4	91	0.00
17	T	Carbon Disulfide	1.679	1.559	7.1	98	0.00
18	T	Methyl Acetate	0.336	0.262	22.0	82	0.00
19	T	Methyl tert-butyl Ether	1.477	1.299	12.1	92	-0.01
20	T	Methylene Chloride	0.645	0.527	18.3	96	0.00
21	T	trans-1,2-Dichloroethene	0.587	0.540	8.0	99	0.00
22	T	Diisopropyl ether	1.832	1.616	11.8	93	0.00
23	T	Vinyl Acetate	1.084	0.971	10.4	94	0.00
24	P	1,1-Dichloroethane	1.079	0.994	7.9	98	0.00
25	T	2-Butanone	0.164	0.145	11.6	90	0.00
26	T	2,2-Dichloropropane	0.954	0.890	6.7	98	0.00
27	T	cis-1,2-Dichloroethene	0.678	0.624	8.0	96	0.00
28	T	Bromochloromethane	0.471	0.438	7.0	101	0.00
29	T	Tetrahydrofuran	0.106	0.089	16.0	89	0.00
30	C	Chloroform	1.069	0.982	8.1#	97	0.00
31	T	Cyclohexane	1.075	0.940	12.6	97	0.00
32	T	1,1,1-Trichloroethane	0.949	0.885	6.7	97	0.00
33	S	1,2-Dichloroethane-d4	0.559	0.487	12.9	86	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.298	0.279	6.4	90	0.00
36	T	1,1-Dichloropropene	0.484	0.455	6.0	97	0.00
37	T	Ethyl Acetate	0.216	0.188	13.0	85	0.00
38	T	Carbon Tetrachloride	0.497	0.475	4.4	97	0.00
39	T	Methylcyclohexane	0.651	0.611	6.1	97	0.00
40	TM	Benzene	1.431	1.345	6.0	97	0.00
41	T	Methacrylonitrile	0.126	0.109	13.5	91	-0.01
42	TM	1,2-Dichloroethane	0.391	0.357	8.7	95	0.00
43	T	Isopropyl Acetate	0.467	0.412	11.8	90	0.00
44	TM	Trichloroethene	0.350	0.326	6.9	95	0.00
45	C	1,2-Dichloropropane	0.338	0.315	6.8#	95	0.00
46	T	Dibromomethane	0.190	0.177	6.8	95	0.00
47	T	Bromodichloromethane	0.482	0.452	6.2	96	0.00
48	T	Methyl methacrylate	0.219	0.194	11.4	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	-0.01
50	S	Toluene-d8	1.206	1.128	6.5	92	0.00
51	T	4-Methyl-2-Pentanone	0.233	0.204	12.4	87	0.00
52	CM	Toluene	0.899	0.848	5.7#	98	0.00
53	T	t-1,3-Dichloropropene	0.452	0.417	7.7	94	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.486	7.6	94	0.00
55	T	1,1,2-Trichloroethane	0.243	0.218	10.3	94	0.00
56	T	Ethyl methacrylate	0.351	0.316	10.0	91	0.00
57	T	1,3-Dichloropropane	0.430	0.393	8.6	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.159	0.155	2.5	101	0.00
59	T	2-Hexanone	0.156	0.137	12.2	88	0.00
60	T	Dibromochloromethane	0.308	0.278	9.7	92	0.00
61	T	1,2-Dibromoethane	0.221	0.203	8.1	95	0.00
62	S	4-Bromofluorobenzene	0.359	0.329	8.4	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.430	0.391	9.1	94	0.00
65	PM	Chlorobenzene	1.106	1.017	8.0	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.339	9.1	94	0.00
67	C	Ethyl Benzene	2.052	1.939	5.5#	98	0.00
68	T	m/p-Xylenes	0.778	0.727	6.6	97	0.00
69	T	o-Xylene	0.729	0.670	8.1	96	0.00
70	T	Styrene	1.206	1.129	6.4	96	0.00
71	P	Bromoform	0.198	0.178	10.1	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	4.105	3.853	6.1	97	0.00
74	T	N-amyl acetate	1.036	0.943	9.0	91	0.00
75	P	1,1,2,2-Tetrachloroethane	0.674	0.602	10.7	92	0.00
76	T	1,2,3-Trichloropropane	0.572	0.470	17.8	78	0.00
77	T	Bromobenzene	0.866	0.790	8.8	95	0.00
78	T	n-propylbenzene	5.014	4.683	6.6	96	0.00
79	T	2-Chlorotoluene	2.657	2.470	7.0	96	0.00
80	T	1,3,5-Trimethylbenzene	3.223	3.021	6.3	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.237	0.204	13.9	91	0.00
82	T	4-Chlorotoluene	2.741	2.538	7.4	95	0.00
83	T	tert-Butylbenzene	2.893	2.757	4.7	99	0.00
84	T	1,2,4-Trimethylbenzene	3.223	3.013	6.5	97	0.00
85	T	sec-Butylbenzene	4.430	4.186	5.5	98	0.00
86	T	p-Isopropyltoluene	3.652	3.456	5.4	98	0.00
87	T	1,3-Dichlorobenzene	1.755	1.612	8.1	97	0.00
88	T	1,4-Dichlorobenzene	1.702	1.536	9.8	94	0.00
89	T	n-Butylbenzene	3.464	3.324	4.0	98	0.00
90	T	Hexachloroethane	0.711	0.670	5.8	97	0.00
91	T	1,2-Dichlorobenzene	1.490	1.347	9.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.088	10.2	87	0.00
93	T	1,2,4-Trichlorobenzene	0.813	0.756	7.0	96	0.00
94	T	Hexachlorobutadiene	0.449	0.408	9.1	95	0.00
95	T	Naphthalene	1.560	1.404	10.0	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	0.697	0.618	11.3	92	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\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	104	0.00
2	T	Dichlorodifluoromethane	50.000	42.825	14.3	97	0.00
3	P	Chloromethane	50.000	47.616	4.8	107	0.00
4	C	Vinyl Chloride	50.000	48.066	3.9#	103	0.00
5	T	Bromomethane	50.000	42.515	15.0	105	0.00
6	T	Chloroethane	50.000	44.575	10.8	102	0.00
7	T	Trichlorofluoromethane	50.000	47.475	5.0	105	0.00
8	T	Diethyl Ether	50.000	44.247	11.5	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.230	9.5	96	0.00
10	T	Methyl Iodide	50.000	44.885	10.2	86	0.00
11	T	Tert butyl alcohol	250.000	205.761	17.7	87	0.00
12	CM	1,1-Dichloroethene	50.000	46.234	7.5#	98	-0.01
13	T	Acrolein	250.000	223.473	10.6	97	0.00
14	T	Allyl chloride	50.000	45.834	8.3	98	0.00
15	T	Acrylonitrile	250.000	216.963	13.2	90	0.00
16	T	Acetone	250.000	221.854	11.3	91	0.00
17	T	Carbon Disulfide	50.000	46.432	7.1	98	0.00
18	T	Methyl Acetate	50.000	38.935	22.1	82	0.00
19	T	Methyl tert-butyl Ether	50.000	43.974	12.1	92	-0.01
20	T	Methylene Chloride	50.000	40.875	18.3	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.024	8.0	99	0.00
22	T	Diisopropyl ether	50.000	44.104	11.8	93	0.00
23	T	Vinyl Acetate	250.000	223.951	10.4	94	0.00
24	P	1,1-Dichloroethane	50.000	46.053	7.9	98	0.00
25	T	2-Butanone	250.000	220.736	11.7	90	0.00
26	T	2,2-Dichloropropane	50.000	46.639	6.7	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.024	8.0	96	0.00
28	T	Bromochloromethane	50.000	46.547	6.9	101	0.00
29	T	Tetrahydrofuran	250.000	211.767	15.3	89	0.00
30	C	Chloroform	50.000	45.919	8.2#	97	0.00
31	T	Cyclohexane	50.000	43.757	12.5	97	0.00
32	T	1,1,1-Trichloroethane	50.000	46.627	6.7	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.538	12.9	86	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	46.676	6.6	90	0.00
36	T	1,1-Dichloropropene	50.000	46.978	6.0	97	0.00
37	T	Ethyl Acetate	50.000	43.605	12.8	85	0.00
38	T	Carbon Tetrachloride	50.000	47.747	4.5	97	0.00
39	T	Methylcyclohexane	50.000	46.923	6.2	97	0.00
40	TM	Benzene	50.000	47.020	6.0	97	0.00
41	T	Methacrylonitrile	50.000	43.134	13.7	91	-0.01
42	TM	1,2-Dichloroethane	50.000	45.644	8.7	95	0.00
43	T	Isopropyl Acetate	50.000	44.122	11.8	90	0.00
44	TM	Trichloroethene	50.000	46.609	6.8	95	0.00
45	C	1,2-Dichloropropane	50.000	46.587	6.8#	95	0.00
46	T	Dibromomethane	50.000	46.430	7.1	95	0.00
47	T	Bromodichloromethane	50.000	46.825	6.3	96	0.00
48	T	Methyl methacrylate	50.000	44.198	11.6	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	816.553	18.3	88	-0.01
50	S	Toluene-d8	50.000	46.760	6.5	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	219.250	12.3	87	0.00
52	CM	Toluene	50.000	47.137	5.7#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	46.094	7.8	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.206	7.6	94	0.00
55	T	1,1,2-Trichloroethane	50.000	44.953	10.1	94	0.00
56	T	Ethyl methacrylate	50.000	45.029	9.9	91	0.00
57	T	1,3-Dichloropropane	50.000	45.696	8.6	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	243.746	2.5	101	0.00
59	T	2-Hexanone	250.000	220.088	12.0	88	0.00
60	T	Dibromochloromethane	50.000	45.114	9.8	92	0.00
61	T	1,2-Dibromoethane	50.000	45.960	8.1	95	0.00
62	S	4-Bromofluorobenzene	50.000	45.847	8.3	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	45.398	9.2	94	0.00
65	PM	Chlorobenzene	50.000	45.953	8.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.464	9.1	94	0.00
67	C	Ethyl Benzene	50.000	47.248	5.5#	98	0.00
68	T	m/p-Xylenes	100.000	93.473	6.5	97	0.00
69	T	o-Xylene	50.000	45.959	8.1	96	0.00
70	T	Styrene	50.000	46.815	6.4	96	0.00
71	P	Bromoform	50.000	44.852	10.3	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	46.933	6.1	97	0.00
74	T	N-amyl acetate	50.000	45.502	9.0	91	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.656	10.7	92	0.00
76	T	1,2,3-Trichloropropane	50.000	41.103	17.8	78	0.00
77	T	Bromobenzene	50.000	45.607	8.8	95	0.00
78	T	n-propylbenzene	50.000	46.696	6.6	96	0.00
79	T	2-Chlorotoluene	50.000	46.472	7.1	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.876	6.2	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	42.968	14.1	91	0.00
82	T	4-Chlorotoluene	50.000	46.289	7.4	95	0.00
83	T	tert-Butylbenzene	50.000	47.655	4.7	99	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.735	6.5	97	0.00
85	T	sec-Butylbenzene	50.000	47.241	5.5	98	0.00
86	T	p-Isopropyltoluene	50.000	47.321	5.4	98	0.00
87	T	1,3-Dichlorobenzene	50.000	45.932	8.1	97	0.00
88	T	1,4-Dichlorobenzene	50.000	45.113	9.8	94	0.00
89	T	n-Butylbenzene	50.000	47.968	4.1	98	0.00
90	T	Hexachloroethane	50.000	47.101	5.8	97	0.00
91	T	1,2-Dichlorobenzene	50.000	45.213	9.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.665	10.7	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.481	7.0	96	0.00
94	T	Hexachlorobutadiene	50.000	45.457	9.1	95	0.00
95	T	Naphthalene	50.000	45.009	10.0	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	44.331	11.3	92	0.00

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

Raw Data: **VX046433.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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_X Calibration Date/Time: 06/02/2025 10:21

Lab File ID: VX046433.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.765	0.849		10.98	20
Chloromethane	0.742	0.817	0.1	10.11	20
Vinyl Chloride	0.691	0.734		6.22	20
Bromomethane	0.320	0.335		4.69	20
Chloroethane	0.369	0.412		11.65	20
Trichlorofluoromethane	1.021	1.136		11.26	20
1,1,2-Trichlorotrifluoroethane	0.632	0.722		14.24	20
1,1-Dichloroethene	0.593	0.650		9.61	20
Acetone	0.374	0.439		17.38	20
Carbon Disulfide	1.406	1.520		8.11	20
Methyl tert-butyl Ether	2.079	2.353		13.18	20
Methyl Acetate	0.867	1.189		37.14	20
Methylene Chloride	0.716	0.757		5.73	20
trans-1,2-Dichloroethene	0.596	0.645		8.22	20
1,1-Dichloroethane	1.219	1.379	0.1	13.13	20
Cyclohexane	1.111	1.177		5.94	20
2-Butanone	0.543	0.604		11.23	20
Carbon Tetrachloride	0.544	0.625		14.89	20
cis-1,2-Dichloroethene	0.718	0.805		12.12	20
Bromochloromethane	0.587	0.610		3.92	20
Chloroform	1.271	1.419		11.64	20
1,1,1-Trichloroethane	1.101	1.237		12.35	20
Methylcyclohexane	0.623	0.681		9.31	20
Benzene	1.417	1.575		11.15	20
1,2-Dichloroethane	0.612	0.699		14.22	20
Trichloroethene	0.341	0.385		12.9	20
1,2-Dichloropropane	0.352	0.411		16.76	20
Bromodichloromethane	0.547	0.648		18.46	20
4-Methyl-2-Pentanone	0.605	0.682		12.73	20
Toluene	0.869	0.958		10.24	20
t-1,3-Dichloropropene	0.487	0.591		21.35	20
cis-1,3-Dichloropropene	0.538	0.646		20.07	20
1,1,2-Trichloroethane	0.343	0.382		11.37	20
2-Hexanone	0.448	0.509		13.62	20
Dibromochloromethane	0.376	0.460		22.34	20
1,2-Dibromoethane	0.356	0.395		10.95	20
Tetrachloroethene	0.354	0.389		9.89	20
Chlorobenzene	1.094	1.197	0.3	9.41	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_X Calibration Date/Time: 06/02/2025 10:21

Lab File ID: VX046433.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	2.190		13.53	20
m/p-Xylenes	0.706	0.792		12.18	20
o-Xylene	0.688	0.779		13.23	20
Styrene	1.127	1.328		17.83	20
Bromoform	0.281	0.340	0.1	21	20
Isopropylbenzene	3.893	4.366		12.15	20
1,1,2,2-Tetrachloroethane	1.364	1.417	0.3	3.89	20
1,3-Dichlorobenzene	1.649	1.823		10.55	20
1,4-Dichlorobenzene	1.684	1.827		8.49	20
1,2-Dichlorobenzene	1.655	1.818		9.85	20
1,2-Dibromo-3-Chloropropane	0.302	0.337		11.59	20
1,2,4-Trichlorobenzene	0.951	1.078		13.35	20
1,2,3-Trichlorobenzene	0.981	1.103		12.44	20
1,2-Dichloroethane-d4	0.932	0.936		0.43	20
Dibromofluoromethane	0.360	0.394		9.44	20
Toluene-d8	1.246	1.254		0.64	20
4-Bromofluorobenzene	0.478	0.507		6.07	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_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	91247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	155497	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	85451	50.232	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.460%			
35) Dibromofluoromethane	5.373	113	61327	54.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.540%			
50) Toluene-d8	8.641	98	195030	50.323	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.640%			
62) 4-Bromofluorobenzene	11.079	95	78787	52.998	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	77464	55.466	ug/l	98
3) Chloromethane	1.301	50	74554	55.048	ug/l	100
4) Vinyl Chloride	1.374	62	66984	53.142	ug/l	98
5) Bromomethane	1.593	94	30570	52.289	ug/l	100
6) Chloroethane	1.666	64	37616	55.901	ug/l	97
7) Trichlorofluoromethane	1.874	101	103701	55.667	ug/l	98
8) Diethyl Ether	2.130	74	33785	53.276	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	65915	57.176	ug/l	98
10) Methyl Iodide	2.441	142	73271	53.713	ug/l	100
11) Tert butyl alcohol	2.971	59	59637	249.749	ug/l	98
12) 1,1-Dichloroethene	2.313	96	59329	54.835	ug/l	96
13) Acrolein	2.233	56	66811	245.681	ug/l	98
14) Allyl chloride	2.654	41	119395	57.739	ug/l	98
15) Acrylonitrile	3.062	53	187111	274.035	ug/l	97
16) Acetone	2.380	43	200383	293.784	ug/l	99
17) Carbon Disulfide	2.502	76	138713	54.077	ug/l	98
18) Methyl Acetate	2.703	43	108485	68.541	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	214715	56.604	ug/l	99
20) Methylene Chloride	2.782	84	69094	52.861	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	58817	54.056	ug/l	99
22) Diisopropyl ether	3.751	45	231216	57.886	ug/l	95
23) Vinyl Acetate	3.715	43	973152	277.004	ug/l	100
24) 1,1-Dichloroethane	3.599	63	125843	56.565	ug/l	99
25) 2-Butanone	4.550	43	275422	278.140	ug/l	99
26) 2,2-Dichloropropane	4.465	77	101430	58.249	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	73482	56.099	ug/l	99
28) Bromochloromethane	4.885	49	55689	52.003	ug/l	97
29) Tetrahydrofuran	4.995	42	168962	272.299	ug/l	98
30) Chloroform	5.080	83	129453	55.826	ug/l	94
31) Cyclohexane	5.452	56	107363	52.958	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	112877	56.155	ug/l	100
36) 1,1-Dichloropropene	5.678	75	83002	55.170	ug/l	100
37) Ethyl Acetate	4.702	43	99383	53.466	ug/l	98
38) Carbon Tetrachloride	5.666	117	97207	57.505	ug/l	99
39) Methylcyclohexane	7.373	83	105898	54.674	ug/l	96
40) Benzene	6.025	78	244897	55.573	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	59120	60.801	ug/l		99
42) 1,2-Dichloroethane	6.074	62	108654	57.128	ug/l		100
43) Isopropyl Acetate	6.330	43	162035	57.141	ug/l		100
44) Trichloroethene	7.117	130	59836	56.415	ug/l		96
45) 1,2-Dichloropropane	7.421	63	63844	58.264	ug/l		99
46) Dibromomethane	7.574	93	47985	55.522	ug/l		99
47) Bromodichloromethane	7.812	83	100801	59.218	ug/l		98
48) Methyl methacrylate	7.684	41	84209	58.147	ug/l		99
49) 1,4-Dioxane	7.659	88	27599	1003.685	ug/l		98
51) 4-Methyl-2-Pentanone	8.568	43	530186	281.670	ug/l		99
52) Toluene	8.714	92	149019	55.148	ug/l		99
53) t-1,3-Dichloropropene	8.970	75	91860	60.714	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	100502	60.100	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	59356	55.708	ug/l		94
56) Ethyl methacrylate	9.110	69	99397	58.533	ug/l		98
57) 1,3-Dichloropropane	9.305	76	106575	55.696	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.232	63	252779	291.982	ug/l		99
59) 2-Hexanone	9.427	43	396050	284.399	ug/l		99
60) Dibromochloromethane	9.519	129	71591	61.182	ug/l		99
61) 1,2-Dibromoethane	9.604	107	61454	55.494	ug/l		97
64) Tetrachloroethene	9.269	164	52575	55.041	ug/l		97
65) Chlorobenzene	10.073	112	161557	54.675	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57243	56.732	ug/l		98
67) Ethyl Benzene	10.189	91	295609	56.753	ug/l		100
68) m/p-Xylenes	10.299	106	213932	112.298	ug/l		98
69) o-Xylene	10.640	106	105231	56.660	ug/l		96
70) Styrene	10.653	104	179298	58.934	ug/l		99
71) Bromoform	10.799	173	45872	60.554	ug/l	#	98
73) Isopropylbenzene	10.957	105	284937	56.079	ug/l		99
74) N-amyl acetate	10.842	43	138998	55.361	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	92506	51.953	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	84321m	53.676	ug/l		
77) Bromobenzene	11.195	156	64394	54.589	ug/l		99
78) n-propylbenzene	11.299	91	333896	56.517	ug/l		99
79) 2-Chlorotoluene	11.360	91	204731	53.726	ug/l		100
80) 1,3,5-Trimethylbenzene	11.445	105	240907	56.753	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.012	75	27666	57.336	ug/l		97
82) 4-Chlorotoluene	11.451	91	237157	56.121	ug/l		99
83) tert-Butylbenzene	11.713	119	237222	55.481	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	242720	56.464	ug/l		100
85) sec-Butylbenzene	11.884	105	298169	56.795	ug/l		100
86) p-Isopropyltoluene	12.006	119	250970	57.915	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	118998	55.275	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	119255	54.241	ug/l		99
89) n-Butylbenzene	12.329	91	227998	59.982	ug/l		99
90) Hexachloroethane	12.536	117	45728	59.897	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	118663	54.927	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21979	55.720	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	70351	56.697	ug/l		99
94) Hexachlorobutadiene	13.719	225	31264	57.691	ug/l		97
95) Naphthalene	13.774	128	244681	53.765	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	71987	56.226	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

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

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

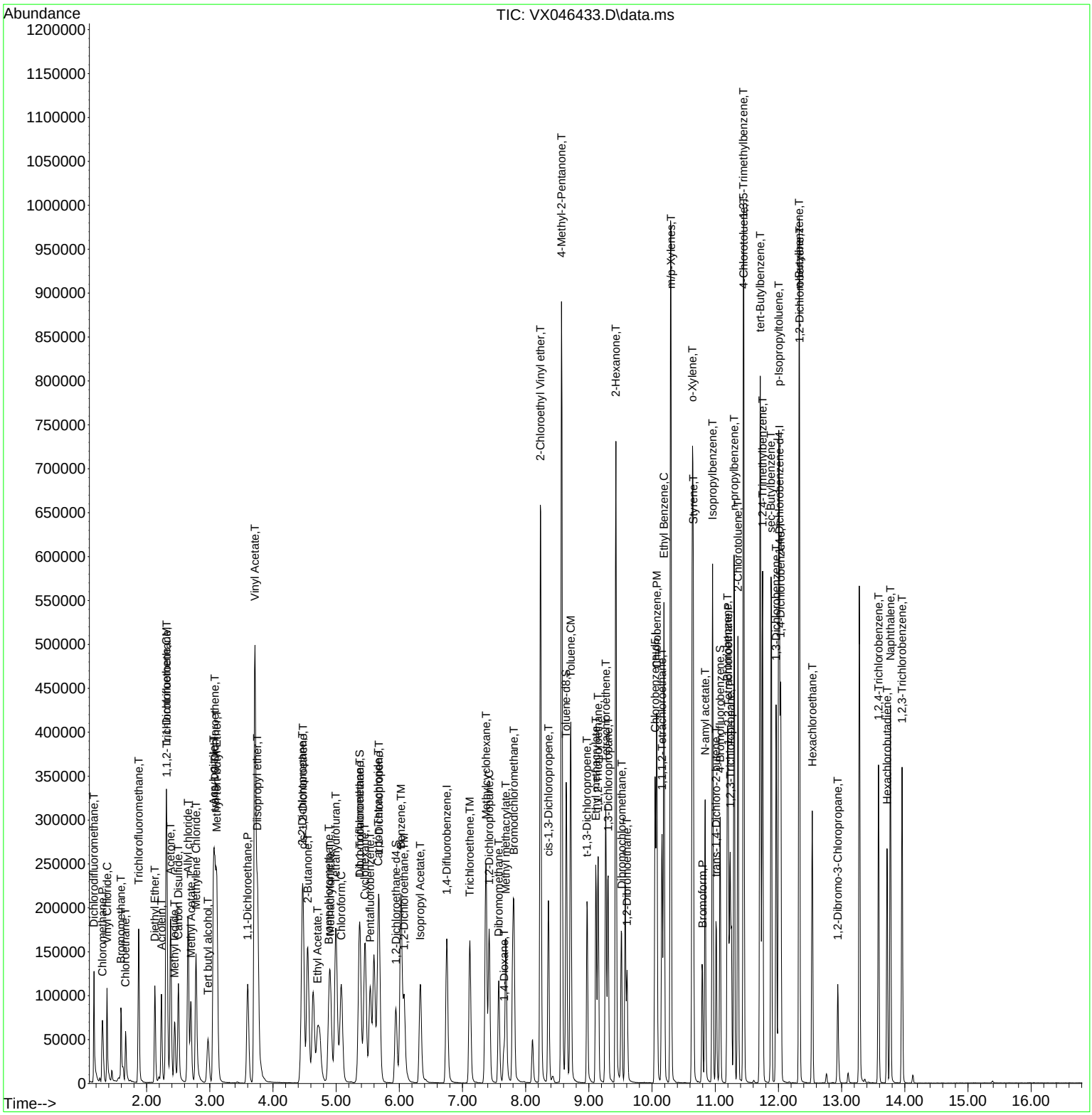
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Sample Results: **VX046433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	94	0.00
2	T	Dichlorodifluoromethane	0.765	0.849	-11.0	92	0.00
3	P	Chloromethane	0.742	0.817	-10.1	99	0.00
4	C	Vinyl Chloride	0.691	0.734	-6.2#	97	0.00
5	T	Bromomethane	0.320	0.335	-4.7	97	0.00
6	T	Chloroethane	0.369	0.412	-11.7	102	0.00
7	T	Trichlorofluoromethane	1.021	1.136	-11.3	100	0.00
8	T	Diethyl Ether	0.347	0.370	-6.6	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.722	-14.2	106	0.00
10	T	Methyl Iodide	0.747	0.803	-7.5	94	0.00
11	T	Tert butyl alcohol	0.131	0.131	0.0	95	0.00
12	CM	1,1-Dichloroethene	0.593	0.650	-9.6#	102	0.00
13	T	Acrolein	0.149	0.146	2.0	90	0.00
14	T	Allyl chloride	1.133	1.308	-15.4	104	0.00
15	T	Acrylonitrile	0.374	0.410	-9.6	99	0.00
16	T	Acetone	0.374	0.439	-17.4	114	0.00
17	T	Carbon Disulfide	1.406	1.520	-8.1	98	0.00
18	T	Methyl Acetate	0.867	1.189	-37.1#	132	0.00
19	T	Methyl tert-butyl Ether	2.079	2.353	-13.2	102	0.00
20	T	Methylene Chloride	0.716	0.757	-5.7	104	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.645	-8.2	99	0.00
22	T	Diisopropyl ether	2.189	2.534	-15.8	105	0.00
23	T	Vinyl Acetate	1.925	2.133	-10.8	98	0.00
24	P	1,1-Dichloroethane	1.219	1.379	-13.1	103	0.00
25	T	2-Butanone	0.543	0.604	-11.2	102	0.00
26	T	2,2-Dichloropropane	0.954	1.112	-16.6	109	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.805	-12.1	103	0.00
28	T	Bromochloromethane	0.587	0.610	-3.9	99	-0.01
29	T	Tetrahydrofuran	0.340	0.370	-8.8	99	0.00
30	C	Chloroform	1.271	1.419	-11.6#	103	0.00
31	T	Cyclohexane	1.111	1.177	-5.9	98	-0.01
32	T	1,1,1-Trichloroethane	1.101	1.237	-12.4	103	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.936	-0.4	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.360	0.394	-9.4	103	0.00
36	T	1,1-Dichloropropene	0.484	0.534	-10.3	100	0.00
37	T	Ethyl Acetate	0.598	0.639	-6.9	97	-0.01
38	T	Carbon Tetrachloride	0.544	0.625	-14.9	104	0.00
39	T	Methylcyclohexane	0.623	0.681	-9.3	98	0.00
40	TM	Benzene	1.417	1.575	-11.2	99	0.00
41	T	Methacrylonitrile	0.313	0.380	-21.4	102	0.00
42	TM	1,2-Dichloroethane	0.612	0.699	-14.2	103	0.00
43	T	Isopropyl Acetate	0.912	1.042	-14.3	100	0.00
44	TM	Trichloroethene	0.341	0.385	-12.9	100	0.00
45	C	1,2-Dichloropropane	0.352	0.411	-16.8#	102	0.00
46	T	Dibromomethane	0.278	0.309	-11.2	100	0.00
47	T	Bromodichloromethane	0.547	0.648	-18.5	104	0.00
48	T	Methyl methacrylate	0.466	0.542	-16.3	100	0.00

Sample Results: **VX046433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.009	0.009	0.0	90	0.00
50	S	Toluene-d8	1.246	1.254	-0.6	95	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.682	-12.7	100	0.00
52	CM	Toluene	0.869	0.958	-10.2#	99	0.00
53	T	t-1,3-Dichloropropene	0.487	0.591	-21.4	104	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.646	-20.1	104	0.00
55	T	1,1,2-Trichloroethane	0.343	0.382	-11.4	100	0.00
56	T	Ethyl methacrylate	0.546	0.639	-17.0	99	0.00
57	T	1,3-Dichloropropane	0.615	0.685	-11.4	102	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.325	-16.9	98	0.00
59	T	2-Hexanone	0.448	0.509	-13.6	100	0.00
60	T	Dibromochloromethane	0.376	0.460	-22.3	107	0.00
61	T	1,2-Dibromoethane	0.356	0.395	-11.0	98	0.00
62	S	4-Bromofluorobenzene	0.478	0.507	-6.1	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64	T	Tetrachloroethene	0.354	0.389	-9.9	96	0.00
65	PM	Chlorobenzene	1.094	1.197	-9.4	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.424	-13.4	100	0.00
67	C	Ethyl Benzene	1.929	2.190	-13.5#	100	0.00
68	T	m/p-Xylenes	0.706	0.792	-12.2	99	0.00
69	T	o-Xylene	0.688	0.779	-13.2	99	0.00
70	T	Styrene	1.127	1.328	-17.8	101	0.00
71	P	Bromoform	0.281	0.340	-21.0	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.893	4.366	-12.2	102	0.00
74	T	N-amyl acetate	1.924	2.130	-10.7	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.417	-3.9	102	0.00
76	T	1,2,3-Trichloropropane	1.204	1.292	-7.3	105	0.00
77	T	Bromobenzene	0.904	0.987	-9.2	102	0.00
78	T	n-propylbenzene	4.526	5.116	-13.0	101	0.00
79	T	2-Chlorotoluene	2.919	3.137	-7.5	101	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.691	-13.5	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.424	-14.6	106	0.00
82	T	4-Chlorotoluene	3.238	3.634	-12.2	102	0.00
83	T	tert-Butylbenzene	3.276	3.635	-11.0	102	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.719	-12.9	101	0.00
85	T	sec-Butylbenzene	4.022	4.569	-13.6	102	0.00
86	T	p-Isopropyltoluene	3.320	3.845	-15.8	104	0.00
87	T	1,3-Dichlorobenzene	1.649	1.823	-10.6	103	0.00
88	T	1,4-Dichlorobenzene	1.684	1.827	-8.5	104	0.00
89	T	n-Butylbenzene	2.912	3.493	-20.0	107	0.00
90	T	Hexachloroethane	0.585	0.701	-19.8	108	0.00
91	T	1,2-Dichlorobenzene	1.655	1.818	-9.8	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.337	-11.6	100	0.00
93	T	1,2,4-Trichlorobenzene	0.951	1.078	-13.4	106	0.00
94	T	Hexachlorobutadiene	0.415	0.479	-15.4	108	0.00
95	T	Naphthalene	3.487	3.749	-7.5	100	0.00

Sample Results: **VX046433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.981	1.103	-12.4	104	0.00

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

Sample Results: **VX046433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	94	0.00
2	T	Dichlorodifluoromethane	50.000	55.466	-10.9	92	0.00
3	P	Chloromethane	50.000	55.048	-10.1	99	0.00
4	C	Vinyl Chloride	50.000	53.142	-6.3#	97	0.00
5	T	Bromomethane	50.000	52.289	-4.6	97	0.00
6	T	Chloroethane	50.000	55.901	-11.8	102	0.00
7	T	Trichlorofluoromethane	50.000	55.667	-11.3	100	0.00
8	T	Diethyl Ether	50.000	53.276	-6.6	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	57.176	-14.4	106	0.00
10	T	Methyl Iodide	50.000	53.713	-7.4	94	0.00
11	T	Tert butyl alcohol	250.000	249.749	0.1	95	0.00
12	CM	1,1-Dichloroethene	50.000	54.835	-9.7#	102	0.00
13	T	Acrolein	250.000	245.681	1.7	90	0.00
14	T	Allyl chloride	50.000	57.739	-15.5	104	0.00
15	T	Acrylonitrile	250.000	274.035	-9.6	99	0.00
16	T	Acetone	250.000	293.784	-17.5	114	0.00
17	T	Carbon Disulfide	50.000	54.077	-8.2	98	0.00
18	T	Methyl Acetate	50.000	68.541	-37.1#	132	0.00
19	T	Methyl tert-butyl Ether	50.000	56.604	-13.2	102	0.00
20	T	Methylene Chloride	50.000	52.861	-5.7	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	54.056	-8.1	99	0.00
22	T	Diisopropyl ether	50.000	57.886	-15.8	105	0.00
23	T	Vinyl Acetate	250.000	277.004	-10.8	98	0.00
24	P	1,1-Dichloroethane	50.000	56.565	-13.1	103	0.00
25	T	2-Butanone	250.000	278.140	-11.3	102	0.00
26	T	2,2-Dichloropropane	50.000	58.249	-16.5	109	0.00
27	T	cis-1,2-Dichloroethene	50.000	56.099	-12.2	103	0.00
28	T	Bromochloromethane	50.000	52.003	-4.0	99	-0.01
29	T	Tetrahydrofuran	250.000	272.299	-8.9	99	0.00
30	C	Chloroform	50.000	55.826	-11.7#	103	0.00
31	T	Cyclohexane	50.000	52.958	-5.9	98	-0.01
32	T	1,1,1-Trichloroethane	50.000	56.155	-12.3	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.232	-0.5	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	54.769	-9.5	103	0.00
36	T	1,1-Dichloropropene	50.000	55.170	-10.3	100	0.00
37	T	Ethyl Acetate	50.000	53.466	-6.9	97	-0.01
38	T	Carbon Tetrachloride	50.000	57.505	-15.0	104	0.00
39	T	Methylcyclohexane	50.000	54.674	-9.3	98	0.00
40	TM	Benzene	50.000	55.573	-11.1	99	0.00
41	T	Methacrylonitrile	50.000	60.801	-21.6	102	0.00
42	TM	1,2-Dichloroethane	50.000	57.128	-14.3	103	0.00
43	T	Isopropyl Acetate	50.000	57.141	-14.3	100	0.00
44	TM	Trichloroethene	50.000	56.415	-12.8	100	0.00
45	C	1,2-Dichloropropane	50.000	58.264	-16.5#	102	0.00
46	T	Dibromomethane	50.000	55.522	-11.0	100	0.00
47	T	Bromodichloromethane	50.000	59.218	-18.4	104	0.00
48	T	Methyl methacrylate	50.000	58.147	-16.3	100	0.00

Sample Results: **VX046433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	1003.685	-0.4	90	0.00
50	S	Toluene-d8	50.000	50.323	-0.6	95	0.00
51	T	4-Methyl-2-Pentanone	250.000	281.670	-12.7	100	0.00
52	CM	Toluene	50.000	55.148	-10.3#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	60.714	-21.4	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	60.100	-20.2	104	0.00
55	T	1,1,2-Trichloroethane	50.000	55.708	-11.4	100	0.00
56	T	Ethyl methacrylate	50.000	58.533	-17.1	99	0.00
57	T	1,3-Dichloropropane	50.000	55.696	-11.4	102	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	291.982	-16.8	98	0.00
59	T	2-Hexanone	250.000	284.399	-13.8	100	0.00
60	T	Dibromochloromethane	50.000	61.182	-22.4	107	0.00
61	T	1,2-Dibromoethane	50.000	55.494	-11.0	98	0.00
62	S	4-Bromofluorobenzene	50.000	52.998	-6.0	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64	T	Tetrachloroethene	50.000	55.041	-10.1	96	0.00
65	PM	Chlorobenzene	50.000	54.675	-9.3	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.732	-13.5	100	0.00
67	C	Ethyl Benzene	50.000	56.753	-13.5#	100	0.00
68	T	m/p-Xylenes	100.000	112.298	-12.3	99	0.00
69	T	o-Xylene	50.000	56.660	-13.3	99	0.00
70	T	Styrene	50.000	58.934	-17.9	101	0.00
71	P	Bromoform	50.000	60.554	-21.1	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	56.079	-12.2	102	0.00
74	T	N-amyl acetate	50.000	55.361	-10.7	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.953	-3.9	102	0.00
76	T	1,2,3-Trichloropropane	50.000	53.676	-7.4	105	0.00
77	T	Bromobenzene	50.000	54.589	-9.2	102	0.00
78	T	n-propylbenzene	50.000	56.517	-13.0	101	0.00
79	T	2-Chlorotoluene	50.000	53.726	-7.5	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.753	-13.5	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.336	-14.7	106	0.00
82	T	4-Chlorotoluene	50.000	56.121	-12.2	102	0.00
83	T	tert-Butylbenzene	50.000	55.481	-11.0	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.464	-12.9	101	0.00
85	T	sec-Butylbenzene	50.000	56.795	-13.6	102	0.00
86	T	p-Isopropyltoluene	50.000	57.915	-15.8	104	0.00
87	T	1,3-Dichlorobenzene	50.000	55.275	-10.5	103	0.00
88	T	1,4-Dichlorobenzene	50.000	54.241	-8.5	104	0.00
89	T	n-Butylbenzene	50.000	59.982	-20.0	107	0.00
90	T	Hexachloroethane	50.000	59.897	-19.8	108	0.00
91	T	1,2-Dichlorobenzene	50.000	54.927	-9.9	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	55.720	-11.4	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.697	-13.4	106	0.00
94	T	Hexachlorobutadiene	50.000	57.691	-15.4	108	0.00
95	T	Naphthalene	50.000	53.765	-7.5	100	0.00

Sample Results: **VX046433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	56.226	-12.5	104	0.00

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

Raw Data: **VY022511.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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/03/2025 10:03

Lab File ID: VY022511.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.404		-9.82	20
Chloromethane	1.322	1.316	0.1	-0.45	20
Vinyl Chloride	1.534	1.560		1.7	20
Bromomethane	1.470	1.393		-5.24	20
Chloroethane	1.053	1.102		4.65	20
Trichlorofluoromethane	1.302	1.272		-2.3	20
1,1,2-Trichlorotrifluoroethane	0.549	0.523		-4.74	20
1,1-Dichloroethene	0.524	0.513		-2.1	20
Acetone	0.114	0.097		-14.91	20
Carbon Disulfide	1.679	1.680		0.06	20
Methyl tert-butyl Ether	1.477	1.494		1.15	20
Methyl Acetate	0.336	0.372		10.71	20
Methylene Chloride	0.645	0.579		-10.23	20
trans-1,2-Dichloroethene	0.587	0.598		1.87	20
1,1-Dichloroethane	1.079	1.105	0.1	2.41	20
Cyclohexane	1.075	0.985		-8.37	20
2-Butanone	0.164	0.160		-2.44	20
Carbon Tetrachloride	0.497	0.487		-2.01	20
cis-1,2-Dichloroethene	0.678	0.701		3.39	20
Bromochloromethane	0.471	0.559		18.68	20
Chloroform	1.069	1.105		3.37	20
1,1,1-Trichloroethane	0.949	0.968		2	20
Methylcyclohexane	0.651	0.616		-5.38	20
Benzene	1.431	1.436		0.35	20
1,2-Dichloroethane	0.391	0.395		1.02	20
Trichloroethene	0.350	0.343		-2	20
1,2-Dichloropropane	0.338	0.343		1.48	20
Bromodichloromethane	0.482	0.494		2.49	20
4-Methyl-2-Pentanone	0.233	0.236		1.29	20
Toluene	0.899	0.901		0.22	20
t-1,3-Dichloropropene	0.452	0.460		1.77	20
cis-1,3-Dichloropropene	0.526	0.531		0.95	20
1,1,2-Trichloroethane	0.243	0.243		0	20
2-Hexanone	0.156	0.155		-0.64	20
Dibromochloromethane	0.308	0.312		1.3	20
1,2-Dibromoethane	0.221	0.225		1.81	20
Tetrachloroethene	0.430	0.422		-1.86	20
Chlorobenzene	1.106	1.118	0.3	1.09	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: **VY022511.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/03/2025 10:03

Lab File ID: VY022511.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.052	2.059		0.34	20
m/p-Xylenes	0.778	0.765		-1.67	20
o-Xylene	0.729	0.713		-2.19	20
Styrene	1.206	1.220		1.16	20
Bromoform	0.198	0.195	0.1	-1.51	20
Isopropylbenzene	4.105	4.015		-2.19	20
1,1,2,2-Tetrachloroethane	0.674	0.669	0.3	-0.74	20
1,3-Dichlorobenzene	1.755	1.733		-1.25	20
1,4-Dichlorobenzene	1.702	1.659		-2.53	20
1,2-Dichlorobenzene	1.490	1.467		-1.54	20
1,2-Dibromo-3-Chloropropane	0.098	0.103		5.1	20
1,2,4-Trichlorobenzene	0.813	0.835		2.71	20
1,2,3-Trichlorobenzene	0.697	0.701		0.57	20
1,2-Dichloroethane-d4	0.559	0.576		3.04	20
Dibromofluoromethane	0.298	0.300		0.67	20
Toluene-d8	1.206	1.224		1.49	20
4-Bromofluorobenzene	0.359	0.354		-1.39	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\VY060325\
Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 04:08:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	187797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	325302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	276655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.066	65	108238	51.532	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.060%			
35) Dibromofluoromethane	7.640	113	97475	50.202	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.400%			
50) Toluene-d8	10.109	98	398159	50.750	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.500%			
62) 4-Bromofluorobenzene	12.407	95	115160	49.265	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	75927	45.159	ug/l	99
3) Chloromethane	2.068	50	247189	49.765	ug/l	98
4) Vinyl Chloride	2.208	62	292986	50.846	ug/l	99
5) Bromomethane	2.598	94	261600	47.366	ug/l	99
6) Chloroethane	2.738	64	206973	52.331	ug/l	98
7) Trichlorofluoromethane	3.055	101	238847	48.826	ug/l	99
8) Diethyl Ether	3.458	74	55565	50.439	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.823	101	98243	47.685	ug/l	99
10) Methyl Iodide	4.006	142	116238	52.134	ug/l	99
11) Tert butyl alcohol	4.890	59	37588	250.557	ug/l	98
12) 1,1-Dichloroethene	3.793	96	96260	48.879	ug/l	95
13) Acrolein	3.659	56	44427	237.627	ug/l	98
14) Allyl chloride	4.390	41	154530	49.983	ug/l	99
15) Acrylonitrile	5.067	53	118258	253.468	ug/l	99
16) Acetone	3.884	43	91451	214.391	ug/l	97
17) Carbon Disulfide	4.110	76	315520	50.043	ug/l	97
18) Methyl Acetate	4.390	43	69944	55.372	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	280632	50.593	ug/l	99
20) Methylene Chloride	4.622	84	108749	44.882	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	112230	50.918	ug/l	100
22) Diisopropyl ether	6.024	45	347494	50.496	ug/l	98
23) Vinyl Acetate	5.969	43	1020040	250.435	ug/l	100
24) 1,1-Dichloroethane	5.921	63	207429	51.165	ug/l	99
25) 2-Butanone	6.902	43	150087	243.928	ug/l	96
26) 2,2-Dichloropropane	6.890	77	179492	50.109	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	131693	51.693	ug/l	98
28) Bromochloromethane	7.250	49	104897	59.357	ug/l	99
29) Tetrahydrofuran	7.268	42	100100	252.240	ug/l	98
30) Chloroform	7.426	83	207435	51.658	ug/l	92
31) Cyclohexane	7.707	56	185038	45.846	ug/l	98
32) 1,1,1-Trichloroethane	7.621	97	181822	51.007	ug/l	100
36) 1,1-Dichloropropene	7.841	75	153258	48.633	ug/l	99
37) Ethyl Acetate	6.994	43	69356	49.352	ug/l	98
38) Carbon Tetrachloride	7.823	117	158278	48.960	ug/l	98
39) Methylcyclohexane	9.115	83	200361	47.312	ug/l	95
40) Benzene	8.085	78	467282	50.204	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 04:08:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	41205m	50.197	ug/l		
42) 1,2-Dichloroethane	8.164	62	128548	50.581	ug/l		98
43) Isopropyl Acetate	8.201	43	150269	49.510	ug/l		99
44) Trichloroethene	8.871	130	111488	49.009	ug/l		95
45) 1,2-Dichloropropane	9.146	63	111633	50.749	ug/l		95
46) Dibromomethane	9.231	93	62344	50.378	ug/l		99
47) Bromodichloromethane	9.426	83	160659	51.199	ug/l		97
48) Methyl methacrylate	9.225	41	72544	50.927	ug/l		99
49) 1,4-Dioxane	9.243	88	13838	943.857	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	383731	253.585	ug/l		99
52) Toluene	10.176	92	292952	50.084	ug/l		100
53) t-1,3-Dichloropropene	10.395	75	149694	50.914	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	172592	50.428	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	79092	50.121	ug/l		96
56) Ethyl methacrylate	10.444	69	114501	50.203	ug/l		99
57) 1,3-Dichloropropane	10.718	76	139564	49.900	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	279007	269.440	ug/l		100
59) 2-Hexanone	10.761	43	251489	248.499	ug/l		99
60) Dibromochloromethane	10.914	129	101429	50.578	ug/l		98
61) 1,2-Dibromoethane	11.017	107	73106	50.829	ug/l		97
64) Tetrachloroethene	10.651	164	116688	49.032	ug/l		98
65) Chlorobenzene	11.444	112	309162	50.500	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	102149	49.530	ug/l		99
67) Ethyl Benzene	11.523	91	569736	50.175	ug/l		97
68) m/p-Xylenes	11.633	106	423248	98.325	ug/l		99
69) o-Xylene	11.956	106	197139	48.847	ug/l		95
70) Styrene	11.968	104	337617	50.608	ug/l		99
71) Bromoform	12.133	173	54008	49.211	ug/l	#	97
73) Isopropylbenzene	12.255	105	523520	48.906	ug/l		99
74) N-amyl acetate	12.072	43	134344	49.739	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.511	83	87261	49.668	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	83401m	55.912	ug/l		
77) Bromobenzene	12.535	156	112367	49.743	ug/l		99
78) n-propylbenzene	12.596	91	641434	49.060	ug/l		99
79) 2-Chlorotoluene	12.682	91	340867	49.190	ug/l		99
80) 1,3,5-Trimethylbenzene	12.736	105	416181	49.521	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	30494	49.369	ug/l		96
82) 4-Chlorotoluene	12.779	91	343404	48.038	ug/l		99
83) tert-Butylbenzene	12.999	119	371831	49.296	ug/l		100
84) 1,2,4-Trimethylbenzene	13.047	105	417788	49.704	ug/l		100
85) sec-Butylbenzene	13.175	105	567452	49.121	ug/l		100
86) p-Isopropyltoluene	13.291	119	464860	48.819	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	225894	49.356	ug/l		100
88) 1,4-Dichlorobenzene	13.370	146	216249	48.715	ug/l		99
89) n-Butylbenzene	13.620	91	452386	50.075	ug/l		99
90) Hexachloroethane	13.883	117	91854	49.550	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	191317	49.234	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13456	52.605	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	108808	51.341	ug/l		96
94) Hexachlorobutadiene	15.023	225	56388	48.206	ug/l		98
95) Naphthalene	15.145	128	209808	51.588	ug/l		99
96) 1,2,3-Trichlorobenzene	15.327	180	91404	50.325	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
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 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 04 04:08:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

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

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

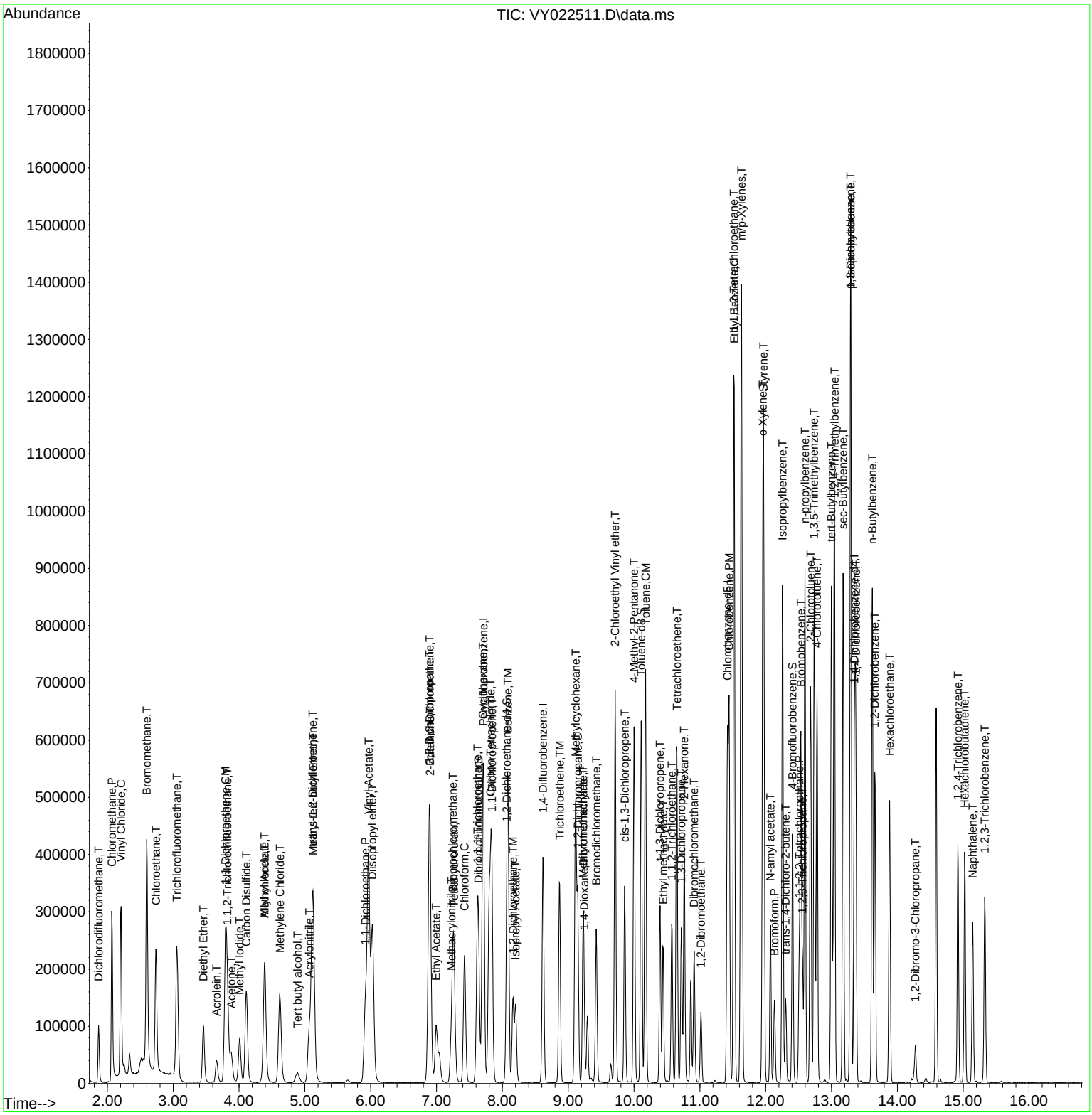
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 04:08:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



Sample Results: **VY022511.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
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: Jun 04 04:08:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	89	0.00
2	T	Dichlorodifluoromethane	0.448	0.404	9.8	88	0.00
3	P	Chloromethane	1.322	1.316	0.5	96	0.00
4	C	Vinyl Chloride	1.534	1.560	-1.7#	93	0.00
5	T	Bromomethane	1.470	1.393	5.2	100	0.00
6	T	Chloroethane	1.053	1.102	-4.7	102	0.00
7	T	Trichlorofluoromethane	1.302	1.272	2.3	93	0.00
8	T	Diethyl Ether	0.293	0.296	-1.0	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.523	4.7	87	0.00
10	T	Methyl Iodide	0.594	0.619	-4.2	86	0.00
11	T	Tert butyl alcohol	0.040	0.040	0.0	91	0.00
12	CM	1,1-Dichloroethene	0.524	0.513	2.1#	89	0.00
13	T	Acrolein	0.050	0.047	6.0	88	0.00
14	T	Allyl chloride	0.823	0.823	0.0	91	0.00
15	T	Acrylonitrile	0.124	0.126	-1.6	90	0.00
16	T	Acetone	0.114	0.097	14.9	75	0.00
17	T	Carbon Disulfide	1.679	1.680	-0.1	90	0.00
18	T	Methyl Acetate	0.336	0.372	-10.7	100	0.00
19	T	Methyl tert-butyl Ether	1.477	1.494	-1.2	91	0.00
20	T	Methylene Chloride	0.645	0.579	10.2	90	0.00
21	T	trans-1,2-Dichloroethene	0.587	0.598	-1.9	94	0.00
22	T	Diisopropyl ether	1.832	1.850	-1.0	91	0.00
23	T	Vinyl Acetate	1.084	1.086	-0.2	90	0.00
24	P	1,1-Dichloroethane	1.079	1.105	-2.4	93	0.00
25	T	2-Butanone	0.164	0.160	2.4	85	0.00
26	T	2,2-Dichloropropane	0.954	0.956	-0.2	90	0.00
27	T	cis-1,2-Dichloroethene	0.678	0.701	-3.4	92	0.00
28	T	Bromochloromethane	0.471	0.559	-18.7	110	0.00
29	T	Tetrahydrofuran	0.106	0.107	-0.9	91	0.00
30	C	Chloroform	1.069	1.105	-3.4#	93	0.00
31	T	Cyclohexane	1.075	0.985	8.4	87	0.00
32	T	1,1,1-Trichloroethane	0.949	0.968	-2.0	91	0.00
33	S	1,2-Dichloroethane-d4	0.559	0.576	-3.0	87	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.298	0.300	-0.7	87	0.00
36	T	1,1-Dichloropropene	0.484	0.471	2.7	90	0.00
37	T	Ethyl Acetate	0.216	0.213	1.4	86	0.00
38	T	Carbon Tetrachloride	0.497	0.487	2.0	89	0.00
39	T	Methylcyclohexane	0.651	0.616	5.4	87	0.00
40	TM	Benzene	1.431	1.436	-0.3	92	0.00
41	T	Methacrylonitrile	0.126	0.127	-0.8	94	0.00
42	TM	1,2-Dichloroethane	0.391	0.395	-1.0	94	0.00
43	T	Isopropyl Acetate	0.467	0.462	1.1	90	0.00
44	TM	Trichloroethene	0.350	0.343	2.0	89	0.00
45	C	1,2-Dichloropropane	0.338	0.343	-1.5#	93	0.00
46	T	Dibromomethane	0.190	0.192	-1.1	92	0.00
47	T	Bromodichloromethane	0.482	0.494	-2.5	93	0.00
48	T	Methyl methacrylate	0.219	0.223	-1.8	93	0.00

Sample Results: **VY022511.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
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: Jun 04 04:08:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	90	0.00
50	S	Toluene-d8	1.206	1.224	-1.5	89	0.00
51	T	4-Methyl-2-Pentanone	0.233	0.236	-1.3	90	0.00
52	CM	Toluene	0.899	0.901	-0.2#	92	0.00
53	T	t-1,3-Dichloropropene	0.452	0.460	-1.8	92	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.531	-1.0	92	0.00
55	T	1,1,2-Trichloroethane	0.243	0.243	0.0	93	0.00
56	T	Ethyl methacrylate	0.351	0.352	-0.3	90	0.00
57	T	1,3-Dichloropropane	0.430	0.429	0.2	91	0.00
58	T	2-Chloroethyl Vinyl ether	0.159	0.172	-8.2	100	0.00
59	T	2-Hexanone	0.156	0.155	0.6	89	0.00
60	T	Dibromochloromethane	0.308	0.312	-1.3	92	0.00
61	T	1,2-Dibromoethane	0.221	0.225	-1.8	94	0.00
62	S	4-Bromofluorobenzene	0.359	0.354	1.4	88	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.430	0.422	1.9	90	0.00
65	PM	Chlorobenzene	1.106	1.118	-1.1	93	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.369	1.1	90	0.00
67	C	Ethyl Benzene	2.052	2.059	-0.3#	92	0.00
68	T	m/p-Xylenes	0.778	0.765	1.7	90	0.00
69	T	o-Xylene	0.729	0.713	2.2	90	0.00
70	T	Styrene	1.206	1.220	-1.2	92	0.00
71	P	Bromoform	0.198	0.195	1.5	90	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	4.105	4.015	2.2	91	0.00
74	T	N-amyl acetate	1.036	1.030	0.6	90	0.00
75	P	1,1,2,2-Tetrachloroethane	0.674	0.669	0.7	92	0.00
76	T	1,2,3-Trichloropropane	0.572	0.640	-11.9	95	0.00
77	T	Bromobenzene	0.866	0.862	0.5	93	0.00
78	T	n-propylbenzene	5.014	4.920	1.9	91	0.00
79	T	2-Chlorotoluene	2.657	2.614	1.6	91	0.00
80	T	1,3,5-Trimethylbenzene	3.223	3.192	1.0	91	0.00
81	T	trans-1,4-Dichloro-2-butene	0.237	0.234	1.3	93	0.00
82	T	4-Chlorotoluene	2.741	2.634	3.9	89	0.00
83	T	tert-Butylbenzene	2.893	2.852	1.4	92	0.00
84	T	1,2,4-Trimethylbenzene	3.223	3.204	0.6	93	0.00
85	T	sec-Butylbenzene	4.430	4.352	1.8	91	0.00
86	T	p-Isopropyltoluene	3.652	3.565	2.4	91	0.00
87	T	1,3-Dichlorobenzene	1.755	1.733	1.3	93	0.00
88	T	1,4-Dichlorobenzene	1.702	1.659	2.5	91	0.00
89	T	n-Butylbenzene	3.464	3.470	-0.2	92	0.00
90	T	Hexachloroethane	0.711	0.704	1.0	92	0.00
91	T	1,2-Dichlorobenzene	1.490	1.467	1.5	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.103	-5.1	92	0.00
93	T	1,2,4-Trichlorobenzene	0.813	0.835	-2.7	95	0.00
94	T	Hexachlorobutadiene	0.449	0.432	3.8	90	0.00
95	T	Naphthalene	1.560	1.609	-3.1	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
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: Jun 04 04:08:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	0.697	0.701	-0.6	94	0.00

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

Sample Results: **VY022511.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
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: Jun 04 04:08:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	89	0.00
2	T	Dichlorodifluoromethane	50.000	45.159	9.7	88	0.00
3	P	Chloromethane	50.000	49.765	0.5	96	0.00
4	C	Vinyl Chloride	50.000	50.846	-1.7#	93	0.00
5	T	Bromomethane	50.000	47.366	5.3	100	0.00
6	T	Chloroethane	50.000	52.331	-4.7	102	0.00
7	T	Trichlorofluoromethane	50.000	48.826	2.3	93	0.00
8	T	Diethyl Ether	50.000	50.439	-0.9	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.685	4.6	87	0.00
10	T	Methyl Iodide	50.000	52.134	-4.3	86	0.00
11	T	Tert butyl alcohol	250.000	250.557	-0.2	91	0.00
12	CM	1,1-Dichloroethene	50.000	48.879	2.2#	89	0.00
13	T	Acrolein	250.000	237.627	4.9	88	0.00
14	T	Allyl chloride	50.000	49.983	0.0	91	0.00
15	T	Acrylonitrile	250.000	253.468	-1.4	90	0.00
16	T	Acetone	250.000	214.391	14.2	75	0.00
17	T	Carbon Disulfide	50.000	50.043	-0.1	90	0.00
18	T	Methyl Acetate	50.000	55.372	-10.7	100	0.00
19	T	Methyl tert-butyl Ether	50.000	50.593	-1.2	91	0.00
20	T	Methylene Chloride	50.000	44.882	10.2	90	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.918	-1.8	94	0.00
22	T	Diisopropyl ether	50.000	50.496	-1.0	91	0.00
23	T	Vinyl Acetate	250.000	250.435	-0.2	90	0.00
24	P	1,1-Dichloroethane	50.000	51.165	-2.3	93	0.00
25	T	2-Butanone	250.000	243.928	2.4	85	0.00
26	T	2,2-Dichloropropane	50.000	50.109	-0.2	90	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.693	-3.4	92	0.00
28	T	Bromochloromethane	50.000	59.357	-18.7	110	0.00
29	T	Tetrahydrofuran	250.000	252.240	-0.9	91	0.00
30	C	Chloroform	50.000	51.658	-3.3#	93	0.00
31	T	Cyclohexane	50.000	45.846	8.3	87	0.00
32	T	1,1,1-Trichloroethane	50.000	51.007	-2.0	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.532	-3.1	87	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	50.202	-0.4	87	0.00
36	T	1,1-Dichloropropene	50.000	48.633	2.7	90	0.00
37	T	Ethyl Acetate	50.000	49.352	1.3	86	0.00
38	T	Carbon Tetrachloride	50.000	48.960	2.1	89	0.00
39	T	Methylcyclohexane	50.000	47.312	5.4	87	0.00
40	TM	Benzene	50.000	50.204	-0.4	92	0.00
41	T	Methacrylonitrile	50.000	50.197	-0.4	94	0.00
42	TM	1,2-Dichloroethane	50.000	50.581	-1.2	94	0.00
43	T	Isopropyl Acetate	50.000	49.510	1.0	90	0.00
44	TM	Trichloroethene	50.000	49.009	2.0	89	0.00
45	C	1,2-Dichloropropane	50.000	50.749	-1.5#	93	0.00
46	T	Dibromomethane	50.000	50.378	-0.8	92	0.00
47	T	Bromodichloromethane	50.000	51.199	-2.4	93	0.00
48	T	Methyl methacrylate	50.000	50.927	-1.9	93	0.00

Sample Results: **VY022511.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
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: Jun 04 04:08:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	943.857	5.6	90	0.00
50	S	Toluene-d8	50.000	50.750	-1.5	89	0.00
51	T	4-Methyl-2-Pentanone	250.000	253.585	-1.4	90	0.00
52	CM	Toluene	50.000	50.084	-0.2#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	50.914	-1.8	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.428	-0.9	92	0.00
55	T	1,1,2-Trichloroethane	50.000	50.121	-0.2	93	0.00
56	T	Ethyl methacrylate	50.000	50.203	-0.4	90	0.00
57	T	1,3-Dichloropropane	50.000	49.900	0.2	91	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	269.440	-7.8	100	0.00
59	T	2-Hexanone	250.000	248.499	0.6	89	0.00
60	T	Dibromochloromethane	50.000	50.578	-1.2	92	0.00
61	T	1,2-Dibromoethane	50.000	50.829	-1.7	94	0.00
62	S	4-Bromofluorobenzene	50.000	49.265	1.5	88	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	49.032	1.9	90	0.00
65	PM	Chlorobenzene	50.000	50.500	-1.0	93	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.530	0.9	90	0.00
67	C	Ethyl Benzene	50.000	50.175	-0.3#	92	0.00
68	T	m/p-Xylenes	100.000	98.325	1.7	90	0.00
69	T	o-Xylene	50.000	48.847	2.3	90	0.00
70	T	Styrene	50.000	50.608	-1.2	92	0.00
71	P	Bromoform	50.000	49.211	1.6	90	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	48.906	2.2	91	0.00
74	T	N-amyl acetate	50.000	49.739	0.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.668	0.7	92	0.00
76	T	1,2,3-Trichloropropane	50.000	55.912	-11.8	95	0.00
77	T	Bromobenzene	50.000	49.743	0.5	93	0.00
78	T	n-propylbenzene	50.000	49.060	1.9	91	0.00
79	T	2-Chlorotoluene	50.000	49.190	1.6	91	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.521	1.0	91	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.369	1.3	93	0.00
82	T	4-Chlorotoluene	50.000	48.038	3.9	89	0.00
83	T	tert-Butylbenzene	50.000	49.296	1.4	92	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.704	0.6	93	0.00
85	T	sec-Butylbenzene	50.000	49.121	1.8	91	0.00
86	T	p-Isopropyltoluene	50.000	48.819	2.4	91	0.00
87	T	1,3-Dichlorobenzene	50.000	49.356	1.3	93	0.00
88	T	1,4-Dichlorobenzene	50.000	48.715	2.6	91	0.00
89	T	n-Butylbenzene	50.000	50.075	-0.2	92	0.00
90	T	Hexachloroethane	50.000	49.550	0.9	92	0.00
91	T	1,2-Dichlorobenzene	50.000	49.234	1.5	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.605	-5.2	92	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.341	-2.7	95	0.00
94	T	Hexachlorobutadiene	50.000	48.206	3.6	90	0.00
95	T	Naphthalene	50.000	51.588	-3.2	93	0.00

Sample Results: **VY022511.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
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: Jun 04 04:08:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	50.325	-0.7	94	0.00

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/04/2025 09:54

Lab File ID: VY022538.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.401		-10.49	20
Chloromethane	1.322	1.094	0.1	-17.25	20
Vinyl Chloride	1.534	1.535		0.06	20
Bromomethane	1.470	1.232		-16.19	20
Chloroethane	1.053	1.084		2.94	20
Trichlorofluoromethane	1.302	1.341		2.99	20
1,1,2-Trichlorotrifluoroethane	0.549	0.534		-2.73	20
1,1-Dichloroethene	0.524	0.523		-0.19	20
Acetone	0.114	0.125		9.65	20
Carbon Disulfide	1.679	1.625		-3.22	20
Methyl tert-butyl Ether	1.477	1.427		-3.38	20
Methyl Acetate	0.336	0.345		2.68	20
Methylene Chloride	0.645	0.567		-12.09	20
trans-1,2-Dichloroethene	0.587	0.588		0.17	20
1,1-Dichloroethane	1.079	1.106	0.1	2.5	20
Cyclohexane	1.075	0.988		-8.09	20
2-Butanone	0.164	0.164		0	20
Carbon Tetrachloride	0.497	0.494		-0.6	20
cis-1,2-Dichloroethene	0.678	0.692		2.07	20
Bromochloromethane	0.471	0.467		-0.85	20
Chloroform	1.069	1.094		2.34	20
1,1,1-Trichloroethane	0.949	0.960		1.16	20
Methylcyclohexane	0.651	0.621		-4.61	20
Benzene	1.431	1.453		1.54	20
1,2-Dichloroethane	0.391	0.386		-1.28	20
Trichloroethene	0.350	0.358		2.29	20
1,2-Dichloropropane	0.338	0.339		0.3	20
Bromodichloromethane	0.482	0.487		1.04	20
4-Methyl-2-Pentanone	0.233	0.221		-5.15	20
Toluene	0.899	0.907		0.89	20
t-1,3-Dichloropropene	0.452	0.445		-1.55	20
cis-1,3-Dichloropropene	0.526	0.527		0.19	20
1,1,2-Trichloroethane	0.243	0.235		-3.29	20
2-Hexanone	0.156	0.154		-1.28	20
Dibromochloromethane	0.308	0.299		-2.92	20
1,2-Dibromoethane	0.221	0.214		-3.17	20
Tetrachloroethene	0.430	0.438		1.86	20
Chlorobenzene	1.106	1.123	0.3	1.54	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: **VY022538.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/04/2025 09:54

Lab File ID: VY022538.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.052	2.102		2.44	20
m/p-Xylenes	0.778	0.788		1.28	20
o-Xylene	0.729	0.739		1.37	20
Styrene	1.206	1.238		2.65	20
Bromoform	0.198	0.190	0.1	-4.04	20
Isopropylbenzene	4.105	4.139		0.83	20
1,1,2,2-Tetrachloroethane	0.674	0.637	0.3	-5.49	20
1,3-Dichlorobenzene	1.755	1.760		0.28	20
1,4-Dichlorobenzene	1.702	1.707		0.29	20
1,2-Dichlorobenzene	1.490	1.481		-0.6	20
1,2-Dibromo-3-Chloropropane	0.098	0.092		-6.12	20
1,2,4-Trichlorobenzene	0.813	0.814		0.12	20
1,2,3-Trichlorobenzene	0.697	0.680		-2.44	20
1,2-Dichloroethane-d4	0.559	0.563		0.72	20
Dibromofluoromethane	0.298	0.309		3.69	20
Toluene-d8	1.206	1.268		5.14	20
4-Bromofluorobenzene	0.359	0.368		2.51	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\VY060425\
Data File : VY022538.D
Acq On : 04 Jun 2025 09:54
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 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 04:08:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	186956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	316261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	266067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	105197	50.309	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.620%			
35) Dibromofluoromethane	7.640	113	97696	51.754	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.500%			
50) Toluene-d8	10.109	98	400949	52.566	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.140%			
62) 4-Bromofluorobenzene	12.408	95	116409	51.223	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	75010	44.814	ug/l	98
3) Chloromethane	2.068	50	204608	41.378	ug/l	100
4) Vinyl Chloride	2.202	62	286948	50.022	ug/l	97
5) Bromomethane	2.598	94	230272	41.882	ug/l	98
6) Chloroethane	2.739	64	202619	51.460	ug/l	96
7) Trichlorofluoromethane	3.056	101	250619	51.463	ug/l	97
8) Diethyl Ether	3.458	74	52454	47.829	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	99794	48.655	ug/l	99
10) Methyl Iodide	4.007	142	110950	49.986	ug/l	99
11) Tert butyl alcohol	4.860	59	33951	227.331	ug/l	97
12) 1,1-Dichloroethene	3.787	96	97819	49.894	ug/l	97
13) Acrolein	3.653	56	39655	213.058	ug/l	100
14) Allyl chloride	4.385	41	152864	49.667	ug/l	100
15) Acrylonitrile	5.061	53	109286	235.291	ug/l	99
16) Acetone	3.872	43	116438	274.197	ug/l	100
17) Carbon Disulfide	4.110	76	303821	48.404	ug/l	100
18) Methyl Acetate	4.385	43	64548	51.330	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	266837	48.322	ug/l	99
20) Methylene Chloride	4.616	84	105976	43.934	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	109911	50.091	ug/l	91
22) Diisopropyl ether	6.018	45	337633	49.283	ug/l	97
23) Vinyl Acetate	5.964	43	957071	236.032	ug/l	100
24) 1,1-Dichloroethane	5.915	63	206841	51.250	ug/l	100
25) 2-Butanone	6.890	43	153585	250.736	ug/l	99
26) 2,2-Dichloropropane	6.890	77	182553	51.193	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	129296	50.980	ug/l	99
28) Bromochloromethane	7.244	49	87302	49.623	ug/l	99
29) Tetrahydrofuran	7.268	42	90620	229.379	ug/l	98
30) Chloroform	7.421	83	204467	51.148	ug/l	97
31) Cyclohexane	7.701	56	184681	45.964	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	179519	50.587	ug/l	99
36) 1,1-Dichloropropene	7.835	75	152597	49.807	ug/l	99
37) Ethyl Acetate	6.988	43	64630	47.304	ug/l	98
38) Carbon Tetrachloride	7.817	117	156290	49.727	ug/l	99
39) Methylcyclohexane	9.109	83	196502	47.727	ug/l	99
40) Benzene	8.079	78	459613	50.792	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022538.D
Acq On : 04 Jun 2025 09:54
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 04:08:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	37300m	46.739	ug/l		
42) 1,2-Dichloroethane	8.158	62	121961	49.361	ug/l		99
43) Isopropyl Acetate	8.201	43	138999	47.106	ug/l		98
44) Trichloroethene	8.865	130	113245	51.205	ug/l		99
45) 1,2-Dichloropropane	9.140	63	107082	50.071	ug/l		98
46) Dibromomethane	9.231	93	57876	48.104	ug/l		99
47) Bromodichloromethane	9.426	83	154053	50.497	ug/l		96
48) Methyl methacrylate	9.219	41	66082	47.717	ug/l		99
49) 1,4-Dioxane	9.237	88	12823	899.629	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	348816	237.102	ug/l		98
52) Toluene	10.170	92	286991	50.467	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	140654	49.207	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	166728	50.108	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	74255	48.401	ug/l		94
56) Ethyl methacrylate	10.438	69	106100	47.850	ug/l		99
57) 1,3-Dichloropropane	10.719	76	132196	48.617	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	264382	262.615	ug/l		100
59) 2-Hexanone	10.761	43	243804	247.792	ug/l		99
60) Dibromochloromethane	10.914	129	94640	48.542	ug/l		100
61) 1,2-Dibromoethane	11.011	107	67796	48.485	ug/l		99
64) Tetrachloroethene	10.646	164	116655	50.969	ug/l		99
65) Chlorobenzene	11.444	112	298796	50.749	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	100630	50.736	ug/l		99
67) Ethyl Benzene	11.517	91	559371	51.222	ug/l		99
68) m/p-Xylenes	11.627	106	419486	101.329	ug/l		99
69) o-Xylene	11.956	106	196735	50.687	ug/l		99
70) Styrene	11.969	104	329327	51.330	ug/l		99
71) Bromoform	12.133	173	50607	47.947	ug/l	#	99
73) Isopropylbenzene	12.255	105	521108	50.411	ug/l		100
74) N-amyl acetate	12.072	43	123604	47.389	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	80221	47.284	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	75631m	52.505	ug/l		
77) Bromobenzene	12.536	156	105935	48.563	ug/l		98
78) n-propylbenzene	12.596	91	637344	50.480	ug/l		99
79) 2-Chlorotoluene	12.682	91	334475	49.984	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	407935	50.265	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	28066	47.053	ug/l		95
82) 4-Chlorotoluene	12.779	91	346570	50.204	ug/l		98
83) tert-Butylbenzene	12.999	119	367162	50.407	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	410138	50.528	ug/l		100
85) sec-Butylbenzene	13.176	105	564153	50.571	ug/l		100
86) p-Isopropyltoluene	13.291	119	467858	50.880	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	221662	50.153	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	214914	50.135	ug/l		99
89) n-Butylbenzene	13.621	91	451669	51.772	ug/l		100
90) Hexachloroethane	13.883	117	90748	50.693	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	186425	49.680	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11592	46.928	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	102553	50.109	ug/l		98
94) Hexachlorobutadiene	15.023	225	56207	49.759	ug/l		99
95) Naphthalene	15.145	128	189102	48.149	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	85594	48.801	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022538.D
Acq On : 04 Jun 2025 09:54
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 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 04:08:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

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

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

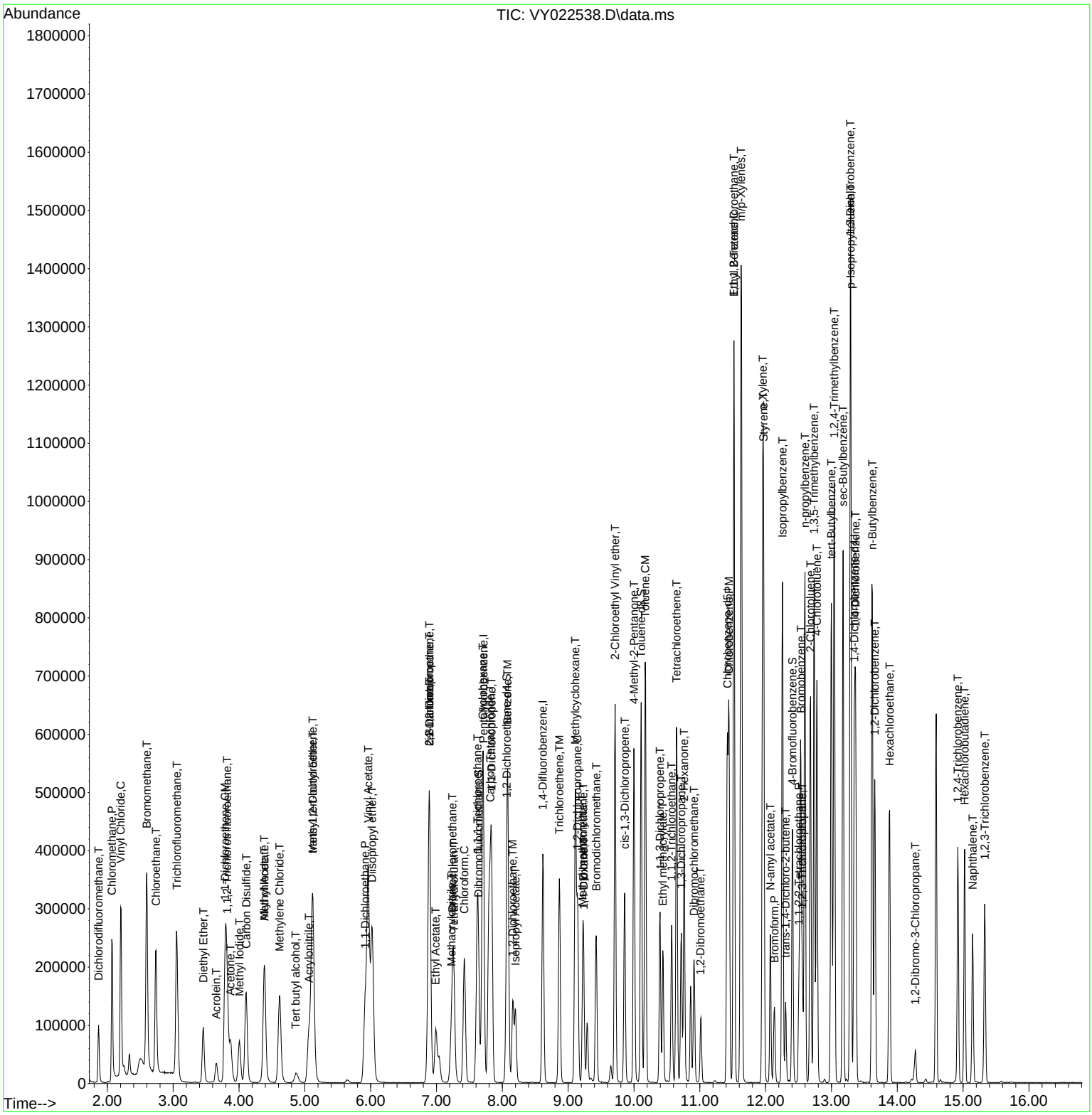
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022538.D
Acq On : 04 Jun 2025 09:54
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 04:08:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



Sample Results: **VY022538.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022538.D
Acq On : 04 Jun 2025 09:54
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: Jun 05 04:08:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	89	0.00
2	T	Dichlorodifluoromethane	0.448	0.401	10.5	87	0.00
3	P	Chloromethane	1.322	1.094	17.2	79	0.00
4	C	Vinyl Chloride	1.534	1.535	-0.1#	91	0.00
5	T	Bromomethane	1.470	1.232	16.2	88	0.00
6	T	Chloroethane	1.053	1.084	-2.9	100	0.00
7	T	Trichlorofluoromethane	1.302	1.341	-3.0	98	0.00
8	T	Diethyl Ether	0.293	0.281	4.1	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.534	2.7	88	0.00
10	T	Methyl Iodide	0.594	0.593	0.2	82	0.00
11	T	Tert butyl alcohol	0.040	0.036	10.0	82	-0.02
12	CM	1,1-Dichloroethene	0.524	0.523	0.2#	90	-0.01
13	T	Acrolein	0.050	0.042	16.0	79	0.00
14	T	Allyl chloride	0.823	0.818	0.6	90	0.00
15	T	Acrylonitrile	0.124	0.117	5.6	83	0.00
16	T	Acetone	0.114	0.125	-9.6	96	0.00
17	T	Carbon Disulfide	1.679	1.625	3.2	87	0.00
18	T	Methyl Acetate	0.336	0.345	-2.7	92	-0.01
19	T	Methyl tert-butyl Ether	1.477	1.427	3.4	86	0.00
20	T	Methylene Chloride	0.645	0.567	12.1	88	0.00
21	T	trans-1,2-Dichloroethene	0.587	0.588	-0.2	92	0.00
22	T	Diisopropyl ether	1.832	1.806	1.4	88	0.00
23	T	Vinyl Acetate	1.084	1.024	5.5	84	0.00
24	P	1,1-Dichloroethane	1.079	1.106	-2.5	93	0.00
25	T	2-Butanone	0.164	0.164	0.0	87	-0.01
26	T	2,2-Dichloropropane	0.954	0.976	-2.3	92	0.00
27	T	cis-1,2-Dichloroethene	0.678	0.692	-2.1	90	0.00
28	T	Bromochloromethane	0.471	0.467	0.8	92	0.00
29	T	Tetrahydrofuran	0.106	0.097	8.5	83	0.00
30	C	Chloroform	1.069	1.094	-2.3#	92	0.00
31	T	Cyclohexane	1.075	0.988	8.1	87	0.00
32	T	1,1,1-Trichloroethane	0.949	0.960	-1.2	90	0.00
33	S	1,2-Dichloroethane-d4	0.559	0.563	-0.7	85	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35	S	Dibromofluoromethane	0.298	0.309	-3.7	87	0.00
36	T	1,1-Dichloropropene	0.484	0.483	0.2	89	0.00
37	T	Ethyl Acetate	0.216	0.204	5.6	80	0.00
38	T	Carbon Tetrachloride	0.497	0.494	0.6	88	0.00
39	T	Methylcyclohexane	0.651	0.621	4.6	85	0.00
40	TM	Benzene	1.431	1.453	-1.5	91	0.00
41	T	Methacrylonitrile	0.126	0.118	6.3	85	0.00
42	TM	1,2-Dichloroethane	0.391	0.386	1.3	89	0.00
43	T	Isopropyl Acetate	0.467	0.440	5.8	83	0.00
44	TM	Trichloroethene	0.350	0.358	-2.3	91	0.00
45	C	1,2-Dichloropropane	0.338	0.339	-0.3#	89	0.00
46	T	Dibromomethane	0.190	0.183	3.7	86	0.00
47	T	Bromodichloromethane	0.482	0.487	-1.0	89	0.00
48	T	Methyl methacrylate	0.219	0.209	4.6	85	0.00

Sample Results: **VY022538.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022538.D
Acq On : 04 Jun 2025 09:54
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: Jun 05 04:08:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	84	0.00
50	S	Toluene-d8	1.206	1.268	-5.1	89	0.00
51	T	4-Methyl-2-Pentanone	0.233	0.221	5.2	82	0.00
52	CM	Toluene	0.899	0.907	-0.9#	91	0.00
53	T	t-1,3-Dichloropropene	0.452	0.445	1.5	87	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.527	-0.2	88	0.00
55	T	1,1,2-Trichloroethane	0.243	0.235	3.3	88	0.00
56	T	Ethyl methacrylate	0.351	0.335	4.6	83	0.00
57	T	1,3-Dichloropropane	0.430	0.418	2.8	87	0.00
58	T	2-Chloroethyl Vinyl ether	0.159	0.167	-5.0	95	0.00
59	T	2-Hexanone	0.156	0.154	1.3	86	0.00
60	T	Dibromochloromethane	0.308	0.299	2.9	86	0.00
61	T	1,2-Dibromoethane	0.221	0.214	3.2	87	0.00
62	S	4-Bromofluorobenzene	0.359	0.368	-2.5	89	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64	T	Tetrachloroethene	0.430	0.438	-1.9	90	0.00
65	PM	Chlorobenzene	1.106	1.123	-1.5	90	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.378	-1.3	89	0.00
67	C	Ethyl Benzene	2.052	2.102	-2.4#	90	0.00
68	T	m/p-Xylenes	0.778	0.788	-1.3	90	0.00
69	T	o-Xylene	0.729	0.739	-1.4	90	0.00
70	T	Styrene	1.206	1.238	-2.7	90	0.00
71	P	Bromoform	0.198	0.190	4.0	85	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73	T	Isopropylbenzene	4.105	4.139	-0.8	90	0.00
74	T	N-amyl acetate	1.036	0.982	5.2	83	0.00
75	P	1,1,2,2-Tetrachloroethane	0.674	0.637	5.5	84	0.00
76	T	1,2,3-Trichloropropane	0.572	0.601	-5.1	86	0.00
77	T	Bromobenzene	0.866	0.841	2.9	87	0.00
78	T	n-propylbenzene	5.014	5.062	-1.0	90	0.00
79	T	2-Chlorotoluene	2.657	2.656	0.0	90	0.00
80	T	1,3,5-Trimethylbenzene	3.223	3.240	-0.5	90	0.00
81	T	trans-1,4-Dichloro-2-butene	0.237	0.223	5.9	86	0.00
82	T	4-Chlorotoluene	2.741	2.753	-0.4	89	0.00
83	T	tert-Butylbenzene	2.893	2.916	-0.8	91	0.00
84	T	1,2,4-Trimethylbenzene	3.223	3.257	-1.1	91	0.00
85	T	sec-Butylbenzene	4.430	4.481	-1.2	91	0.00
86	T	p-Isopropyltoluene	3.652	3.716	-1.8	92	0.00
87	T	1,3-Dichlorobenzene	1.755	1.760	-0.3	92	0.00
88	T	1,4-Dichlorobenzene	1.702	1.707	-0.3	91	0.00
89	T	n-Butylbenzene	3.464	3.587	-3.6	92	0.00
90	T	Hexachloroethane	0.711	0.721	-1.4	91	0.00
91	T	1,2-Dichlorobenzene	1.490	1.481	0.6	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.092	6.1	79	0.00
93	T	1,2,4-Trichlorobenzene	0.813	0.814	-0.1	90	0.00
94	T	Hexachlorobutadiene	0.449	0.446	0.7	90	0.00
95	T	Naphthalene	1.560	1.502	3.7	84	0.00

Sample Results: **VY022538.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022538.D
Acq On : 04 Jun 2025 09:54
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: Jun 05 04:08:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	0.697	0.680	2.4	88	0.00

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

Sample Results: **VY022538.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022538.D
Acq On : 04 Jun 2025 09:54
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: Jun 05 04:08:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	89	0.00
2	T	Dichlorodifluoromethane	50.000	44.814	10.4	87	0.00
3	P	Chloromethane	50.000	41.378	17.2	79	0.00
4	C	Vinyl Chloride	50.000	50.022	-0.0#	91	0.00
5	T	Bromomethane	50.000	41.882	16.2	88	0.00
6	T	Chloroethane	50.000	51.460	-2.9	100	0.00
7	T	Trichlorofluoromethane	50.000	51.463	-2.9	98	0.00
8	T	Diethyl Ether	50.000	47.829	4.3	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.655	2.7	88	0.00
10	T	Methyl Iodide	50.000	49.986	0.0	82	0.00
11	T	Tert butyl alcohol	250.000	227.331	9.1	82	-0.02
12	CM	1,1-Dichloroethene	50.000	49.894	0.2#	90	-0.01
13	T	Acrolein	250.000	213.058	14.8	79	0.00
14	T	Allyl chloride	50.000	49.667	0.7	90	0.00
15	T	Acrylonitrile	250.000	235.291	5.9	83	0.00
16	T	Acetone	250.000	274.197	-9.7	96	0.00
17	T	Carbon Disulfide	50.000	48.404	3.2	87	0.00
18	T	Methyl Acetate	50.000	51.330	-2.7	92	-0.01
19	T	Methyl tert-butyl Ether	50.000	48.322	3.4	86	0.00
20	T	Methylene Chloride	50.000	43.934	12.1	88	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.091	-0.2	92	0.00
22	T	Diisopropyl ether	50.000	49.283	1.4	88	0.00
23	T	Vinyl Acetate	250.000	236.032	5.6	84	0.00
24	P	1,1-Dichloroethane	50.000	51.250	-2.5	93	0.00
25	T	2-Butanone	250.000	250.736	-0.3	87	-0.01
26	T	2,2-Dichloropropane	50.000	51.193	-2.4	92	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.980	-2.0	90	0.00
28	T	Bromochloromethane	50.000	49.623	0.8	92	0.00
29	T	Tetrahydrofuran	250.000	229.379	8.2	83	0.00
30	C	Chloroform	50.000	51.148	-2.3#	92	0.00
31	T	Cyclohexane	50.000	45.964	8.1	87	0.00
32	T	1,1,1-Trichloroethane	50.000	50.587	-1.2	90	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.309	-0.6	85	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35	S	Dibromofluoromethane	50.000	51.754	-3.5	87	0.00
36	T	1,1-Dichloropropene	50.000	49.807	0.4	89	0.00
37	T	Ethyl Acetate	50.000	47.304	5.4	80	0.00
38	T	Carbon Tetrachloride	50.000	49.727	0.5	88	0.00
39	T	Methylcyclohexane	50.000	47.727	4.5	85	0.00
40	TM	Benzene	50.000	50.792	-1.6	91	0.00
41	T	Methacrylonitrile	50.000	46.739	6.5	85	0.00
42	TM	1,2-Dichloroethane	50.000	49.361	1.3	89	0.00
43	T	Isopropyl Acetate	50.000	47.106	5.8	83	0.00
44	TM	Trichloroethene	50.000	51.205	-2.4	91	0.00
45	C	1,2-Dichloropropane	50.000	50.071	-0.1#	89	0.00
46	T	Dibromomethane	50.000	48.104	3.8	86	0.00
47	T	Bromodichloromethane	50.000	50.497	-1.0	89	0.00
48	T	Methyl methacrylate	50.000	47.717	4.6	85	0.00

Sample Results: **VY022538.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022538.D
Acq On : 04 Jun 2025 09:54
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: Jun 05 04:08:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	899.629	10.0	84	0.00
50	S	Toluene-d8	50.000	52.566	-5.1	89	0.00
51	T	4-Methyl-2-Pentanone	250.000	237.102	5.2	82	0.00
52	CM	Toluene	50.000	50.467	-0.9#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	49.207	1.6	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.108	-0.2	88	0.00
55	T	1,1,2-Trichloroethane	50.000	48.401	3.2	88	0.00
56	T	Ethyl methacrylate	50.000	47.850	4.3	83	0.00
57	T	1,3-Dichloropropane	50.000	48.617	2.8	87	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	262.615	-5.0	95	0.00
59	T	2-Hexanone	250.000	247.792	0.9	86	0.00
60	T	Dibromochloromethane	50.000	48.542	2.9	86	0.00
61	T	1,2-Dibromoethane	50.000	48.485	3.0	87	0.00
62	S	4-Bromofluorobenzene	50.000	51.223	-2.4	89	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64	T	Tetrachloroethene	50.000	50.969	-1.9	90	0.00
65	PM	Chlorobenzene	50.000	50.749	-1.5	90	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.736	-1.5	89	0.00
67	C	Ethyl Benzene	50.000	51.222	-2.4#	90	0.00
68	T	m/p-Xylenes	100.000	101.329	-1.3	90	0.00
69	T	o-Xylene	50.000	50.687	-1.4	90	0.00
70	T	Styrene	50.000	51.330	-2.7	90	0.00
71	P	Bromoform	50.000	47.947	4.1	85	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73	T	Isopropylbenzene	50.000	50.411	-0.8	90	0.00
74	T	N-amyl acetate	50.000	47.389	5.2	83	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.284	5.4	84	0.00
76	T	1,2,3-Trichloropropane	50.000	52.505	-5.0	86	0.00
77	T	Bromobenzene	50.000	48.563	2.9	87	0.00
78	T	n-propylbenzene	50.000	50.480	-1.0	90	0.00
79	T	2-Chlorotoluene	50.000	49.984	0.0	90	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.265	-0.5	90	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.053	5.9	86	0.00
82	T	4-Chlorotoluene	50.000	50.204	-0.4	89	0.00
83	T	tert-Butylbenzene	50.000	50.407	-0.8	91	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.528	-1.1	91	0.00
85	T	sec-Butylbenzene	50.000	50.571	-1.1	91	0.00
86	T	p-Isopropyltoluene	50.000	50.880	-1.8	92	0.00
87	T	1,3-Dichlorobenzene	50.000	50.153	-0.3	92	0.00
88	T	1,4-Dichlorobenzene	50.000	50.135	-0.3	91	0.00
89	T	n-Butylbenzene	50.000	51.772	-3.5	92	0.00
90	T	Hexachloroethane	50.000	50.693	-1.4	91	0.00
91	T	1,2-Dichlorobenzene	50.000	49.680	0.6	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.928	6.1	79	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.109	-0.2	90	0.00
94	T	Hexachlorobutadiene	50.000	49.759	0.5	90	0.00
95	T	Naphthalene	50.000	48.149	3.7	84	0.00

Sample Results: **VY022538.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022538.D
Acq On : 04 Jun 2025 09:54
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: Jun 05 04:08:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	48.801	2.4	88	0.00

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

Raw Data: **VY022560.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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/05/2025 08:40

Lab File ID: VY022560.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.407		-9.15	20
Chloromethane	1.322	1.167	0.1	-11.73	20
Vinyl Chloride	1.534	1.704		11.08	20
Bromomethane	1.470	1.259		-14.35	20
Chloroethane	1.053	1.178		11.87	20
Trichlorofluoromethane	1.302	1.466		12.6	20
1,1,2-Trichlorotrifluoroethane	0.549	0.546		-0.55	20
1,1-Dichloroethene	0.524	0.529		0.95	20
Acetone	0.114	0.119		4.39	20
Carbon Disulfide	1.679	1.678		-0.06	20
Methyl tert-butyl Ether	1.477	1.489		0.81	20
Methyl Acetate	0.336	0.321		-4.46	20
Methylene Chloride	0.645	0.623		-3.41	20
trans-1,2-Dichloroethene	0.587	0.597		1.7	20
1,1-Dichloroethane	1.079	1.131	0.1	4.82	20
Cyclohexane	1.075	1.015		-5.58	20
2-Butanone	0.164	0.168		2.44	20
Carbon Tetrachloride	0.497	0.510		2.62	20
cis-1,2-Dichloroethene	0.678	0.708		4.43	20
Bromochloromethane	0.471	0.484		2.76	20
Chloroform	1.069	1.129		5.61	20
1,1,1-Trichloroethane	0.949	1.003		5.69	20
Methylcyclohexane	0.651	0.658		1.08	20
Benzene	1.431	1.500		4.82	20
1,2-Dichloroethane	0.391	0.402		2.81	20
Trichloroethene	0.350	0.367		4.86	20
1,2-Dichloropropane	0.338	0.353		4.44	20
Bromodichloromethane	0.482	0.512		6.22	20
4-Methyl-2-Pentanone	0.233	0.240		3	20
Toluene	0.899	0.944		5.01	20
t-1,3-Dichloropropene	0.452	0.472		4.43	20
cis-1,3-Dichloropropene	0.526	0.554		5.32	20
1,1,2-Trichloroethane	0.243	0.250		2.88	20
2-Hexanone	0.156	0.159		1.92	20
Dibromochloromethane	0.308	0.322		4.55	20
1,2-Dibromoethane	0.221	0.225		1.81	20
Tetrachloroethene	0.430	0.480		11.63	20
Chlorobenzene	1.106	1.148	0.3	3.8	20

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

Raw Data: **VY022560.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/05/2025 08:40

Lab File ID: VY022560.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.052	2.148		4.68	20
m/p-Xylenes	0.778	0.814		4.63	20
o-Xylene	0.729	0.760		4.25	20
Styrene	1.206	1.279		6.05	20
Bromoform	0.198	0.198	0.1	0	20
Isopropylbenzene	4.105	4.258		3.73	20
1,1,2,2-Tetrachloroethane	0.674	0.657	0.3	-2.52	20
1,3-Dichlorobenzene	1.755	1.819		3.65	20
1,4-Dichlorobenzene	1.702	1.768		3.88	20
1,2-Dichlorobenzene	1.490	1.543		3.56	20
1,2-Dibromo-3-Chloropropane	0.098	0.104		6.12	20
1,2,4-Trichlorobenzene	0.813	0.903		11.07	20
1,2,3-Trichlorobenzene	0.697	0.752		7.89	20
1,2-Dichloroethane-d4	0.559	0.564		0.89	20
Dibromofluoromethane	0.298	0.302		1.34	20
Toluene-d8	1.206	1.228		1.82	20
4-Bromofluorobenzene	0.359	0.364		1.39	20

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

Sample Results: **VY022560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022560.D
Acq On : 05 Jun 2025 08:40
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 06/06/2025
Supervised By :Semsettin Yesilyurt 06/06/2025

Quant Time: Jun 06 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	179733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	304462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	260955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	122317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101300	50.393	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.780%			
35) Dibromofluoromethane	7.634	113	92049	50.652	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.300%			
50) Toluene-d8	10.103	98	373731	50.897	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.800%			
62) 4-Bromofluorobenzene	12.401	95	110879	50.680	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	73180	45.478	ug/l	98
3) Chloromethane	2.068	50	209833	44.140	ug/l	97
4) Vinyl Chloride	2.202	62	306210	55.525	ug/l	100
5) Bromomethane	2.592	94	226335	42.820	ug/l	97
6) Chloroethane	2.732	64	211721	55.933	ug/l	97
7) Trichlorofluoromethane	3.049	101	263558	56.295	ug/l	99
8) Diethyl Ether	3.458	74	52703	49.987	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	98139	49.771	ug/l	99
10) Methyl Iodide	4.001	142	106828	50.064	ug/l	98
11) Tert butyl alcohol	4.866	59	36776	256.143	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	95042	50.426	ug/l	98
13) Acrolein	3.653	56	33249	185.819	ug/l	99
14) Allyl chloride	4.385	41	150124	50.737	ug/l	100
15) Acrylonitrile	5.061	53	114146	255.631	ug/l	98
16) Acetone	3.866	43	106665	261.277	ug/l	99
17) Carbon Disulfide	4.104	76	301583	49.979	ug/l	99
18) Methyl Acetate	4.378	43	57619	47.661	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	267700	50.426	ug/l	100
20) Methylene Chloride	4.616	84	112007	48.300	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	107266	50.850	ug/l	93
22) Diisopropyl ether	6.018	45	339503	51.548	ug/l	99
23) Vinyl Acetate	5.957	43	997602	255.915	ug/l	98
24) 1,1-Dichloroethane	5.915	63	203201	52.371	ug/l	99
25) 2-Butanone	6.890	43	150936	256.314	ug/l	100
26) 2,2-Dichloropropane	6.884	77	180406	52.624	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	127195	52.167	ug/l	98
28) Bromochloromethane	7.244	49	87029	51.456	ug/l	99
29) Tetrahydrofuran	7.262	42	93959	247.388	ug/l	98
30) Chloroform	7.421	83	202907	52.798	ug/l	92
31) Cyclohexane	7.701	56	182358	47.209	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	180206	52.822	ug/l	99
36) 1,1-Dichloropropene	7.835	75	150530	51.037	ug/l	99
37) Ethyl Acetate	6.982	43	66850	50.825	ug/l	98
38) Carbon Tetrachloride	7.817	117	155220	51.301	ug/l	97
39) Methylcyclohexane	9.109	83	200296	50.534	ug/l	99
40) Benzene	8.079	78	456755	52.432	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022560.D
Acq On : 05 Jun 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	39671m	51.636	ug/l		
42) 1,2-Dichloroethane	8.158	62	122345	51.436	ug/l		100
43) Isopropyl Acetate	8.195	43	142605	50.201	ug/l		99
44) Trichloroethene	8.866	130	111833	52.526	ug/l		94
45) 1,2-Dichloropropane	9.140	63	107590	52.259	ug/l		96
46) Dibromomethane	9.231	93	59252	51.156	ug/l		99
47) Bromodichloromethane	9.420	83	155758	53.035	ug/l		93
48) Methyl methacrylate	9.219	41	66562	49.926	ug/l		99
49) 1,4-Dioxane	9.225	88	13477	982.154	ug/l		94
51) 4-Methyl-2-Pentanone	9.993	43	365027	257.736	ug/l		99
52) Toluene	10.170	92	287298	52.479	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	143649	52.202	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	168525	52.611	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	76256	51.632	ug/l		94
56) Ethyl methacrylate	10.438	69	109353	51.228	ug/l		98
57) 1,3-Dichloropropane	10.719	76	135132	51.622	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	266825	275.313	ug/l		99
59) 2-Hexanone	10.762	43	241828	255.309	ug/l		98
60) Dibromochloromethane	10.908	129	98044	52.237	ug/l		100
61) 1,2-Dibromoethane	11.018	107	68363	50.785	ug/l		99
64) Tetrachloroethene	10.646	164	125249	55.796	ug/l		97
65) Chlorobenzene	11.438	112	299502	51.865	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	102078	52.474	ug/l		99
67) Ethyl Benzene	11.517	91	560498	52.331	ug/l		99
68) m/p-Xylenes	11.627	106	424785	104.619	ug/l		100
69) o-Xylene	11.950	106	198395	52.116	ug/l		99
70) Styrene	11.969	104	333704	53.031	ug/l		98
71) Bromoform	12.133	173	51637	49.882	ug/l	#	97
73) Isopropylbenzene	12.255	105	520881	51.869	ug/l		100
74) N-amyl acetate	12.066	43	128376	50.664	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	80322	48.734	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	73390m	52.446	ug/l		
77) Bromobenzene	12.529	156	108163	51.041	ug/l		99
78) n-propylbenzene	12.590	91	638606	52.065	ug/l		99
79) 2-Chlorotoluene	12.676	91	338692	52.100	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	410617	52.082	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	29279	50.528	ug/l		94
82) 4-Chlorotoluene	12.773	91	346628	51.688	ug/l		99
83) tert-Butylbenzene	12.993	119	371237	52.464	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	411000	52.122	ug/l		99
85) sec-Butylbenzene	13.176	105	564875	52.123	ug/l		100
86) p-Isopropyltoluene	13.292	119	466784	52.254	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	222516	51.825	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	216280	51.935	ug/l		100
89) n-Butylbenzene	13.615	91	457024	53.925	ug/l		100
90) Hexachloroethane	13.877	117	92555	53.221	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	188735	51.773	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12667	52.787	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	110421	55.539	ug/l		95
94) Hexachlorobutadiene	15.023	225	58400	53.219	ug/l		99
95) Naphthalene	15.145	128	206075	54.012	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	91982	53.983	ug/l		98

Sample Results: **VY022560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022560.D
Acq On : 05 Jun 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

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

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

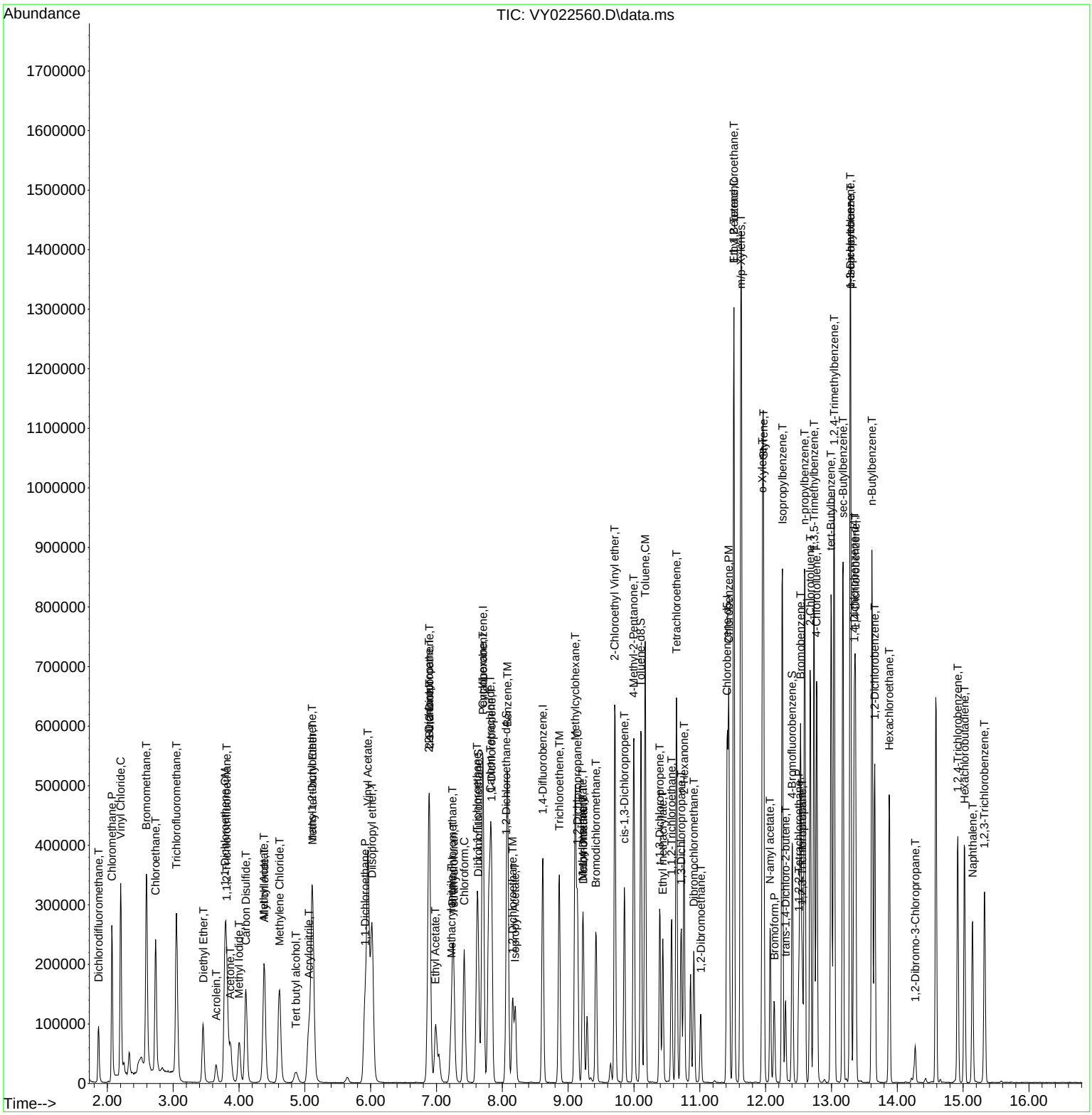
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022560.D
Acq On : 05 Jun 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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



Sample Results: **VY022560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022560.D
Acq On : 05 Jun 2025 08:40
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: Jun 06 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	0.448	0.407	9.2	84	0.00
3	P	Chloromethane	1.322	1.167	11.7	81	0.00
4	C	Vinyl Chloride	1.534	1.704	-11.1#	97	0.00
5	T	Bromomethane	1.470	1.259	14.4	87	0.00
6	T	Chloroethane	1.053	1.178	-11.9	105	0.00
7	T	Trichlorofluoromethane	1.302	1.466	-12.6	103	0.00
8	T	Diethyl Ether	0.293	0.293	0.0	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.546	0.5	87	0.00
10	T	Methyl Iodide	0.594	0.594	0.0	79	0.00
11	T	Tert butyl alcohol	0.040	0.041	-2.5	89	-0.02
12	CM	1,1-Dichloroethene	0.524	0.529	-1.0#	87	-0.01
13	T	Acrolein	0.050	0.037	26.0#	66	0.00
14	T	Allyl chloride	0.823	0.835	-1.5	89	0.00
15	T	Acrylonitrile	0.124	0.127	-2.4	86	0.00
16	T	Acetone	0.114	0.119	-4.4	88	-0.01
17	T	Carbon Disulfide	1.679	1.678	0.1	86	0.00
18	T	Methyl Acetate	0.336	0.321	4.5	83	-0.02
19	T	Methyl tert-butyl Ether	1.477	1.489	-0.8	87	-0.01
20	T	Methylene Chloride	0.645	0.623	3.4	93	0.00
21	T	trans-1,2-Dichloroethene	0.587	0.597	-1.7	89	-0.01
22	T	Diisopropyl ether	1.832	1.889	-3.1	89	0.00
23	T	Vinyl Acetate	1.084	1.110	-2.4	88	-0.01
24	P	1,1-Dichloroethane	1.079	1.131	-4.8	91	0.00
25	T	2-Butanone	0.164	0.168	-2.4	86	-0.01
26	T	2,2-Dichloropropane	0.954	1.004	-5.2	91	0.00
27	T	cis-1,2-Dichloroethene	0.678	0.708	-4.4	89	0.00
28	T	Bromochloromethane	0.471	0.484	-2.8	91	0.00
29	T	Tetrahydrofuran	0.106	0.105	0.9	86	0.00
30	C	Chloroform	1.069	1.129	-5.6#	91	0.00
31	T	Cyclohexane	1.075	1.015	5.6	86	0.00
32	T	1,1,1-Trichloroethane	0.949	1.003	-5.7	91	0.00
33	S	1,2-Dichloroethane-d4	0.559	0.564	-0.9	82	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.298	0.302	-1.3	82	0.00
36	T	1,1-Dichloropropene	0.484	0.494	-2.1	88	0.00
37	T	Ethyl Acetate	0.216	0.220	-1.9	83	-0.01
38	T	Carbon Tetrachloride	0.497	0.510	-2.6	87	0.00
39	T	Methylcyclohexane	0.651	0.658	-1.1	87	0.00
40	TM	Benzene	1.431	1.500	-4.8	90	0.00
41	T	Methacrylonitrile	0.126	0.130	-3.2	90	0.00
42	TM	1,2-Dichloroethane	0.391	0.402	-2.8	89	0.00
43	T	Isopropyl Acetate	0.467	0.468	-0.2	85	0.00
44	TM	Trichloroethene	0.350	0.367	-4.9	90	0.00
45	C	1,2-Dichloropropane	0.338	0.353	-4.4#	89	0.00
46	T	Dibromomethane	0.190	0.195	-2.6	88	0.00
47	T	Bromodichloromethane	0.482	0.512	-6.2	90	0.00
48	T	Methyl methacrylate	0.219	0.219	0.0	85	0.00

Sample Results: **VY022560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022560.D
Acq On : 05 Jun 2025 08:40
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: Jun 06 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	-0.02
50	S	Toluene-d8	1.206	1.228	-1.8	83	0.00
51	T	4-Methyl-2-Pentanone	0.233	0.240	-3.0	86	0.00
52	CM	Toluene	0.899	0.944	-5.0#	91	0.00
53	T	t-1,3-Dichloropropene	0.452	0.472	-4.4	89	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.554	-5.3	89	0.00
55	T	1,1,2-Trichloroethane	0.243	0.250	-2.9	90	0.00
56	T	Ethyl methacrylate	0.351	0.359	-2.3	86	0.00
57	T	1,3-Dichloropropane	0.430	0.444	-3.3	88	0.00
58	T	2-Chloroethyl Vinyl ether	0.159	0.175	-10.1	95	0.00
59	T	2-Hexanone	0.156	0.159	-1.9	85	0.00
60	T	Dibromochloromethane	0.308	0.322	-4.5	89	0.00
61	T	1,2-Dibromoethane	0.221	0.225	-1.8	87	0.00
62	S	4-Bromofluorobenzene	0.359	0.364	-1.4	85	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
64	T	Tetrachloroethene	0.430	0.480	-11.6	96	0.00
65	PM	Chlorobenzene	1.106	1.148	-3.8	90	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.391	-4.8	90	0.00
67	C	Ethyl Benzene	2.052	2.148	-4.7#	90	0.00
68	T	m/p-Xylenes	0.778	0.814	-4.6	91	0.00
69	T	o-Xylene	0.729	0.760	-4.3	91	0.00
70	T	Styrene	1.206	1.279	-6.1	91	0.00
71	P	Bromoform	0.198	0.198	0.0	86	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	4.105	4.258	-3.7	90	0.00
74	T	N-amyl acetate	1.036	1.050	-1.4	86	0.00
75	P	1,1,2,2-Tetrachloroethane	0.674	0.657	2.5	84	0.00
76	T	1,2,3-Trichloropropane	0.572	0.600	-4.9	83	0.00
77	T	Bromobenzene	0.866	0.884	-2.1	89	0.00
78	T	n-propylbenzene	5.014	5.221	-4.1	90	0.00
79	T	2-Chlorotoluene	2.657	2.769	-4.2	91	0.00
80	T	1,3,5-Trimethylbenzene	3.223	3.357	-4.2	90	0.00
81	T	trans-1,4-Dichloro-2-butene	0.237	0.239	-0.8	90	0.00
82	T	4-Chlorotoluene	2.741	2.834	-3.4	89	0.00
83	T	tert-Butylbenzene	2.893	3.035	-4.9	92	0.00
84	T	1,2,4-Trimethylbenzene	3.223	3.360	-4.3	91	0.00
85	T	sec-Butylbenzene	4.430	4.618	-4.2	91	0.00
86	T	p-Isopropyltoluene	3.652	3.816	-4.5	92	0.00
87	T	1,3-Dichlorobenzene	1.755	1.819	-3.6	92	0.00
88	T	1,4-Dichlorobenzene	1.702	1.768	-3.9	91	0.00
89	T	n-Butylbenzene	3.464	3.736	-7.9	93	0.00
90	T	Hexachloroethane	0.711	0.757	-6.5	93	0.00
91	T	1,2-Dichlorobenzene	1.490	1.543	-3.6	89	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.104	-6.1	86	0.00
93	T	1,2,4-Trichlorobenzene	0.813	0.903	-11.1	97	0.00
94	T	Hexachlorobutadiene	0.449	0.477	-6.2	94	0.00
95	T	Naphthalene	1.560	1.685	-8.0	91	0.00

Sample Results: **VY022560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022560.D
Acq On : 05 Jun 2025 08:40
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: Jun 06 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	0.697	0.752	-7.9	94	0.00

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

Sample Results: **VY022560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022560.D
Acq On : 05 Jun 2025 08:40
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: Jun 06 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	45.478	9.0	84	0.00
3	P	Chloromethane	50.000	44.140	11.7	81	0.00
4	C	Vinyl Chloride	50.000	55.525	-11.0#	97	0.00
5	T	Bromomethane	50.000	42.820	14.4	87	0.00
6	T	Chloroethane	50.000	55.933	-11.9	105	0.00
7	T	Trichlorofluoromethane	50.000	56.295	-12.6	103	0.00
8	T	Diethyl Ether	50.000	49.987	0.0	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.771	0.5	87	0.00
10	T	Methyl Iodide	50.000	50.064	-0.1	79	0.00
11	T	Tert butyl alcohol	250.000	256.143	-2.5	89	-0.02
12	CM	1,1-Dichloroethene	50.000	50.426	-0.9#	87	-0.01
13	T	Acrolein	250.000	185.819	25.7#	66	0.00
14	T	Allyl chloride	50.000	50.737	-1.5	89	0.00
15	T	Acrylonitrile	250.000	255.631	-2.3	86	0.00
16	T	Acetone	250.000	261.277	-4.5	88	-0.01
17	T	Carbon Disulfide	50.000	49.979	0.0	86	0.00
18	T	Methyl Acetate	50.000	47.661	4.7	83	-0.02
19	T	Methyl tert-butyl Ether	50.000	50.426	-0.9	87	-0.01
20	T	Methylene Chloride	50.000	48.300	3.4	93	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.850	-1.7	89	-0.01
22	T	Diisopropyl ether	50.000	51.548	-3.1	89	0.00
23	T	Vinyl Acetate	250.000	255.915	-2.4	88	-0.01
24	P	1,1-Dichloroethane	50.000	52.371	-4.7	91	0.00
25	T	2-Butanone	250.000	256.314	-2.5	86	-0.01
26	T	2,2-Dichloropropane	50.000	52.624	-5.2	91	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.167	-4.3	89	0.00
28	T	Bromochloromethane	50.000	51.456	-2.9	91	0.00
29	T	Tetrahydrofuran	250.000	247.388	1.0	86	0.00
30	C	Chloroform	50.000	52.798	-5.6#	91	0.00
31	T	Cyclohexane	50.000	47.209	5.6	86	0.00
32	T	1,1,1-Trichloroethane	50.000	52.822	-5.6	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.393	-0.8	82	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	50.652	-1.3	82	0.00
36	T	1,1-Dichloropropene	50.000	51.037	-2.1	88	0.00
37	T	Ethyl Acetate	50.000	50.825	-1.7	83	-0.01
38	T	Carbon Tetrachloride	50.000	51.301	-2.6	87	0.00
39	T	Methylcyclohexane	50.000	50.534	-1.1	87	0.00
40	TM	Benzene	50.000	52.432	-4.9	90	0.00
41	T	Methacrylonitrile	50.000	51.636	-3.3	90	0.00
42	TM	1,2-Dichloroethane	50.000	51.436	-2.9	89	0.00
43	T	Isopropyl Acetate	50.000	50.201	-0.4	85	0.00
44	TM	Trichloroethene	50.000	52.526	-5.1	90	0.00
45	C	1,2-Dichloropropane	50.000	52.259	-4.5#	89	0.00
46	T	Dibromomethane	50.000	51.156	-2.3	88	0.00
47	T	Bromodichloromethane	50.000	53.035	-6.1	90	0.00
48	T	Methyl methacrylate	50.000	49.926	0.1	85	0.00

Sample Results: **VY022560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022560.D
Acq On : 05 Jun 2025 08:40
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: Jun 06 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	982.154	1.8	88	-0.02
50	S	Toluene-d8	50.000	50.897	-1.8	83	0.00
51	T	4-Methyl-2-Pentanone	250.000	257.736	-3.1	86	0.00
52	CM	Toluene	50.000	52.479	-5.0#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	52.202	-4.4	89	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.611	-5.2	89	0.00
55	T	1,1,2-Trichloroethane	50.000	51.632	-3.3	90	0.00
56	T	Ethyl methacrylate	50.000	51.228	-2.5	86	0.00
57	T	1,3-Dichloropropane	50.000	51.622	-3.2	88	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	275.313	-10.1	95	0.00
59	T	2-Hexanone	250.000	255.309	-2.1	85	0.00
60	T	Dibromochloromethane	50.000	52.237	-4.5	89	0.00
61	T	1,2-Dibromoethane	50.000	50.785	-1.6	87	0.00
62	S	4-Bromofluorobenzene	50.000	50.680	-1.4	85	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	88	0.00
64	T	Tetrachloroethene	50.000	55.796	-11.6	96	0.00
65	PM	Chlorobenzene	50.000	51.865	-3.7	90	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.474	-4.9	90	0.00
67	C	Ethyl Benzene	50.000	52.331	-4.7#	90	0.00
68	T	m/p-Xylenes	100.000	104.619	-4.6	91	0.00
69	T	o-Xylene	50.000	52.116	-4.2	91	0.00
70	T	Styrene	50.000	53.031	-6.1	91	0.00
71	P	Bromoform	50.000	49.882	0.2	86	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	51.869	-3.7	90	0.00
74	T	N-amyl acetate	50.000	50.664	-1.3	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.734	2.5	84	0.00
76	T	1,2,3-Trichloropropane	50.000	52.446	-4.9	83	0.00
77	T	Bromobenzene	50.000	51.041	-2.1	89	0.00
78	T	n-propylbenzene	50.000	52.065	-4.1	90	0.00
79	T	2-Chlorotoluene	50.000	52.100	-4.2	91	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.082	-4.2	90	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.528	-1.1	90	0.00
82	T	4-Chlorotoluene	50.000	51.688	-3.4	89	0.00
83	T	tert-Butylbenzene	50.000	52.464	-4.9	92	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.122	-4.2	91	0.00
85	T	sec-Butylbenzene	50.000	52.123	-4.2	91	0.00
86	T	p-Isopropyltoluene	50.000	52.254	-4.5	92	0.00
87	T	1,3-Dichlorobenzene	50.000	51.825	-3.7	92	0.00
88	T	1,4-Dichlorobenzene	50.000	51.935	-3.9	91	0.00
89	T	n-Butylbenzene	50.000	53.925	-7.8	93	0.00
90	T	Hexachloroethane	50.000	53.221	-6.4	93	0.00
91	T	1,2-Dichlorobenzene	50.000	51.773	-3.5	89	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.787	-5.6	86	0.00
93	T	1,2,4-Trichlorobenzene	50.000	55.539	-11.1	97	0.00
94	T	Hexachlorobutadiene	50.000	53.219	-6.4	94	0.00
95	T	Naphthalene	50.000	54.012	-8.0	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022560.D
Acq On : 05 Jun 2025 08:40
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: Jun 06 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	53.983	-8.0	94	0.00

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

QC SAMPLE DATA

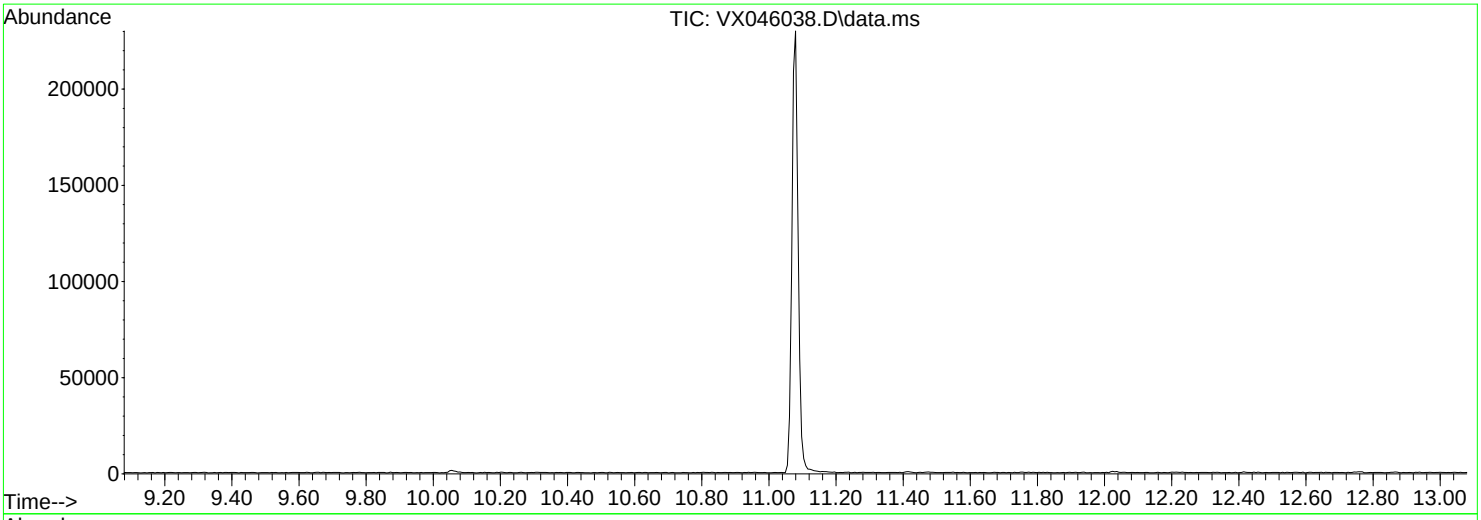
Sample Results: **VX046038.D**

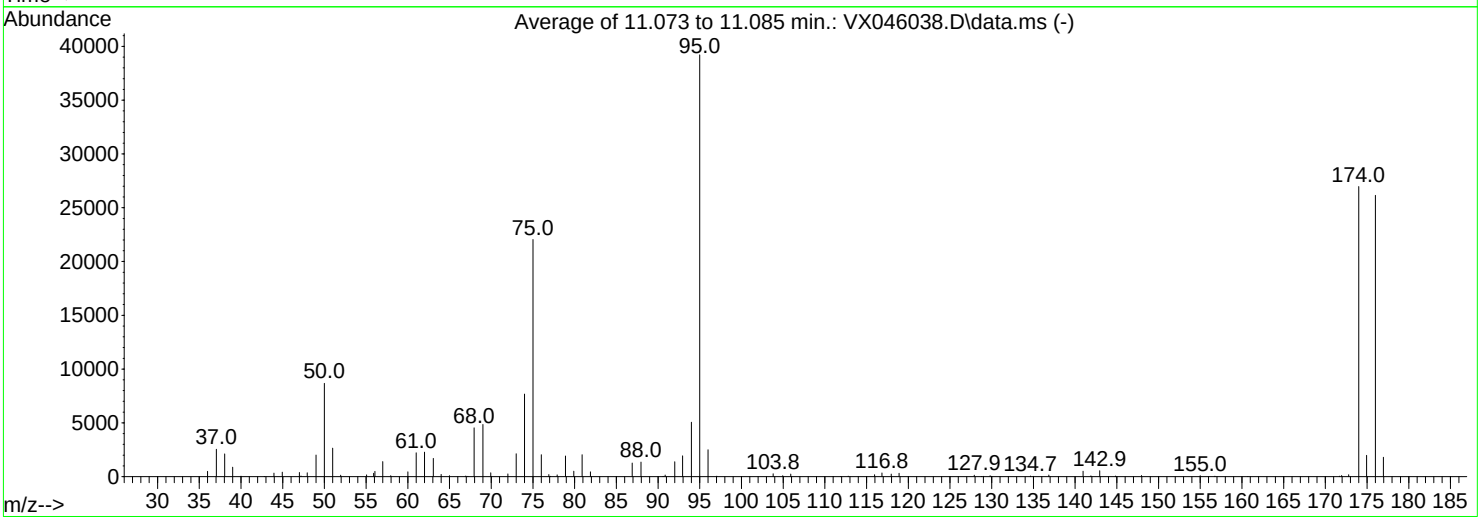
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046038.D
Acq On : 05 May 2025 09:37
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	8676	PASS
75	95	30	60	56.2	22052	PASS
95	95	100	100	100.0	39213	PASS
96	95	5	9	6.4	2505	PASS
173	174	0.00	2	0.7	185	PASS
174	95	50	100	68.8	26963	PASS
175	174	5	9	7.3	1980	PASS
176	174	95	101	97.0	26147	PASS
177	176	5	9	6.9	1802	PASS

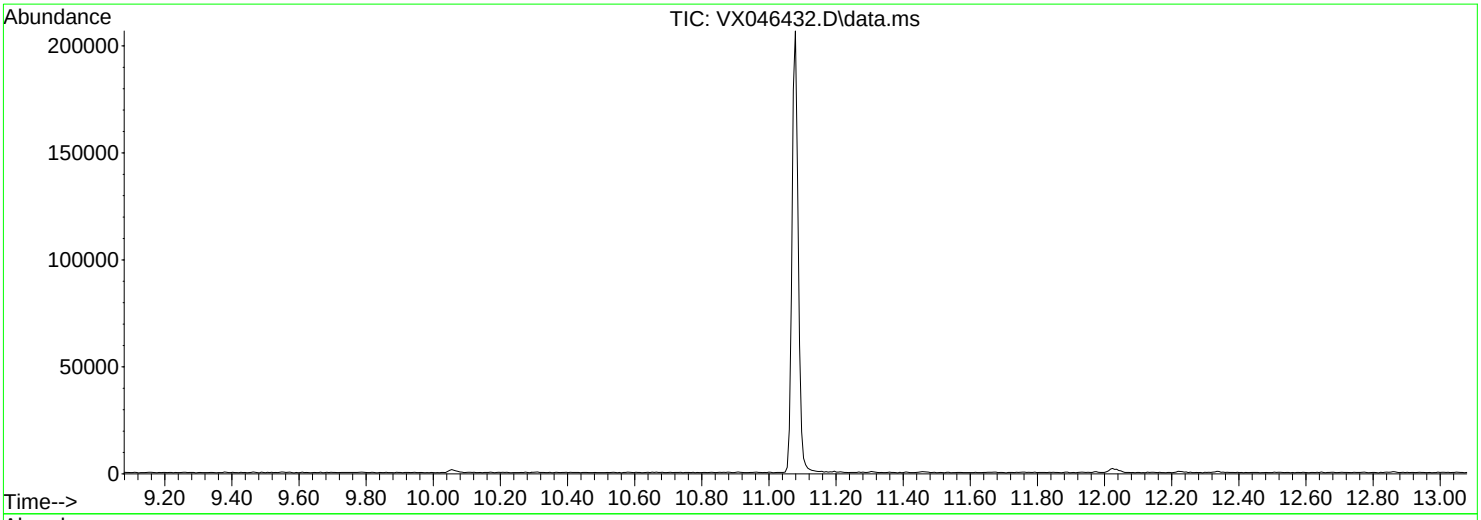
Sample Results: **VX046432.D**

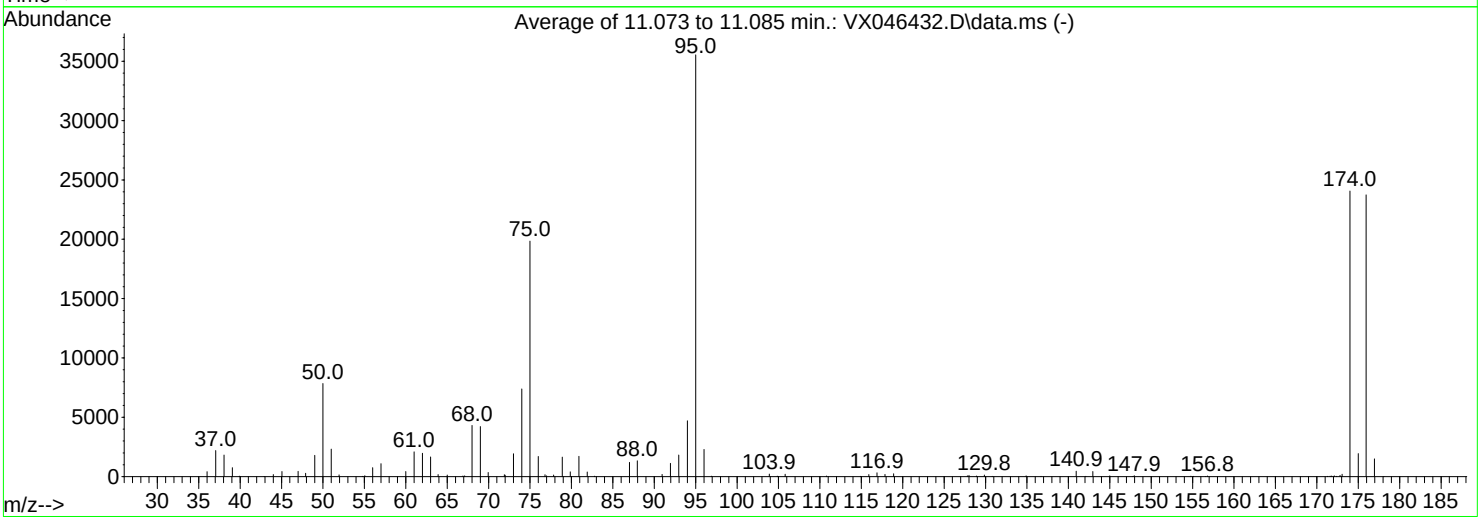
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046432.D
Acq On : 02 Jun 2025 09:42
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	7851	PASS
75	95	30	60	55.8	19842	PASS
95	95	100	100	100.0	35539	PASS
96	95	5	9	6.4	2286	PASS
173	174	0.00	2	0.9	206	PASS
174	95	50	100	67.7	24069	PASS
175	174	5	9	8.1	1940	PASS
176	174	95	101	98.6	23741	PASS
177	176	5	9	6.3	1503	PASS

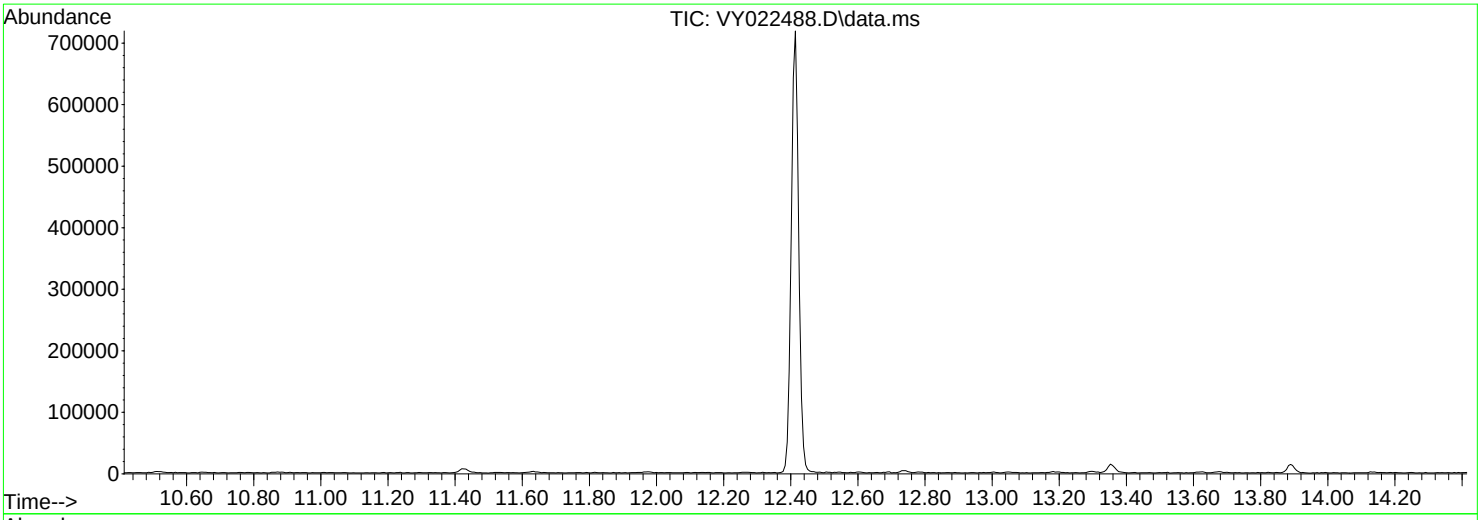
Sample Results: **VY022488.D**

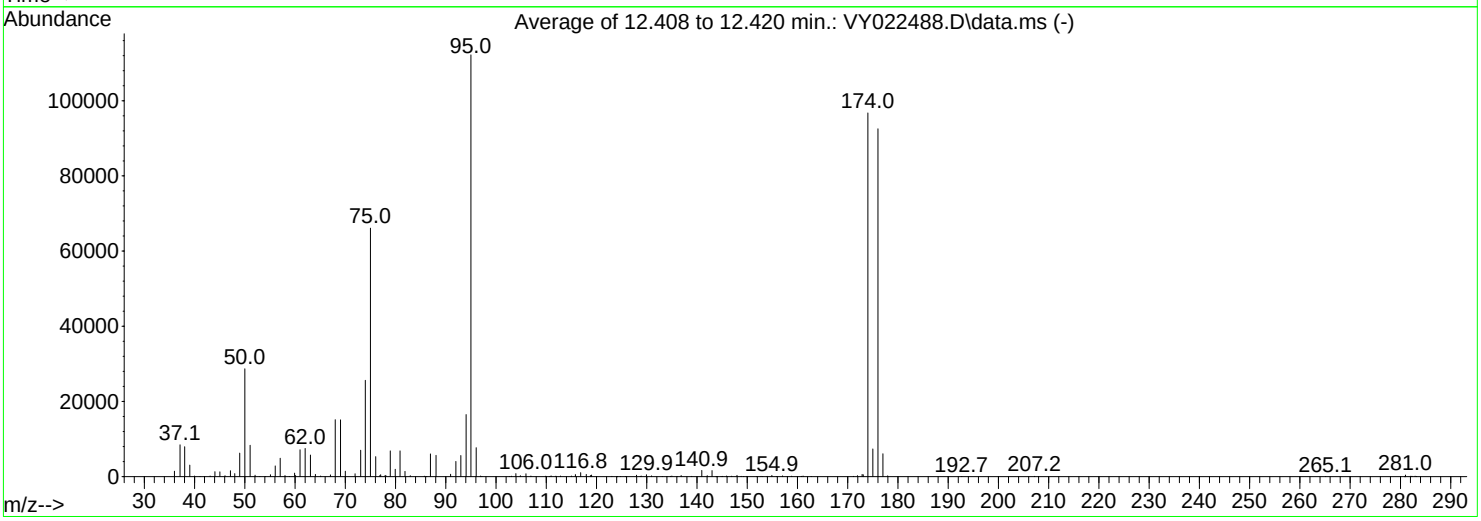
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022488.D
Acq On : 02 Jun 2025 08:31
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 2025





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.6	28688	PASS
75	95	30	60	58.9	66115	PASS
95	95	100	100	100.0	112208	PASS
96	95	5	9	6.9	7706	PASS
173	174	0.00	2	0.6	591	PASS
174	95	50	100	86.2	96760	PASS
175	174	5	9	7.6	7372	PASS
176	174	95	101	95.6	92520	PASS
177	176	5	9	6.6	6076	PASS

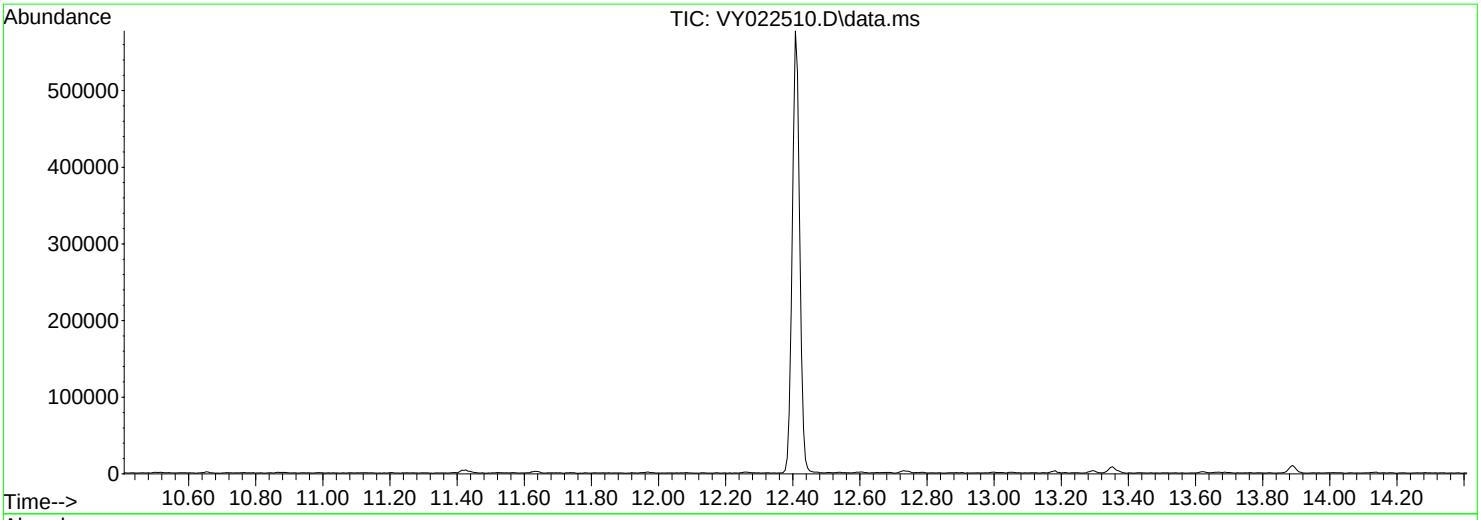
Sample Results: **VY022510.D**

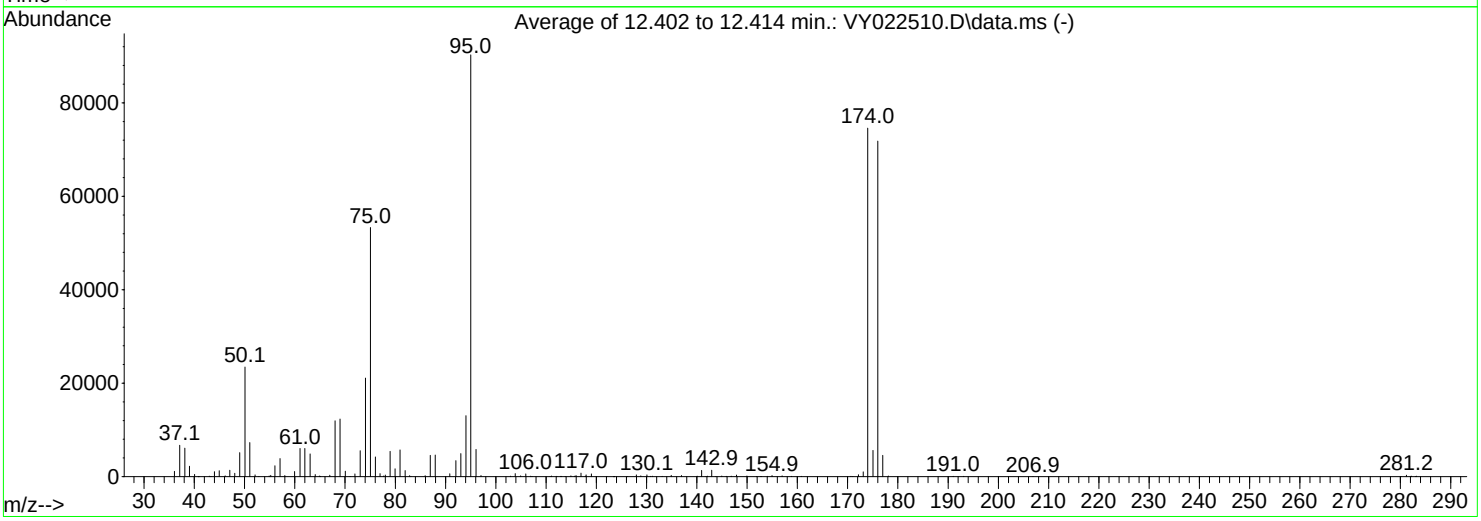
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022510.D
Acq On : 03 Jun 2025 09:03
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.0	23445	PASS
75	95	30	60	59.1	53331	PASS
95	95	100	100	100.0	90275	PASS
96	95	5	9	6.5	5832	PASS
173	174	0.00	2	1.4	1029	PASS
174	95	50	100	82.6	74597	PASS
175	174	5	9	7.6	5633	PASS
176	174	95	101	96.3	71808	PASS
177	176	5	9	6.3	4541	PASS

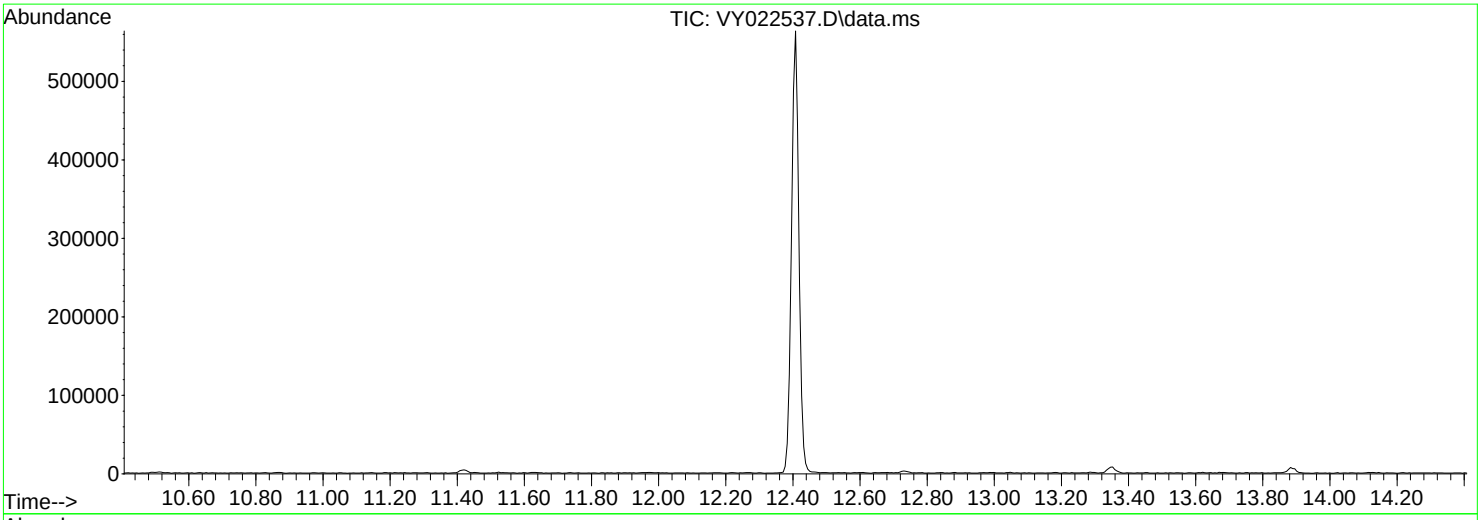
Sample Results: **VY022537.D**

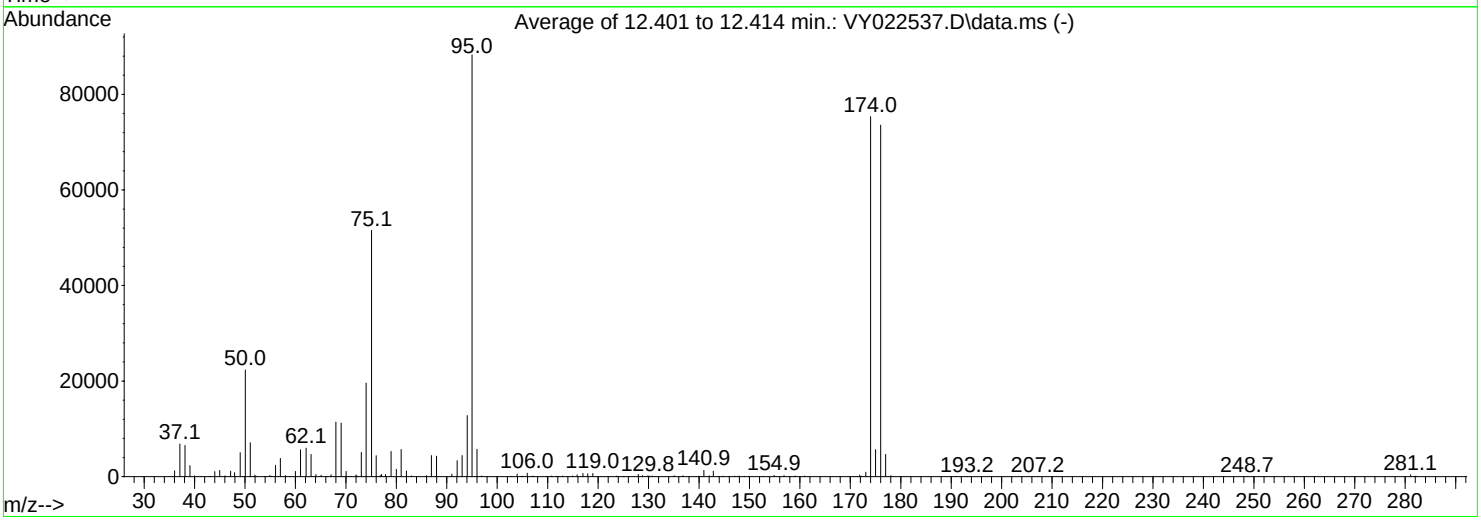
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022537.D
Acq On : 04 Jun 2025 08:48
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 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	25.3	22349	PASS
75	95	30	60	58.4	51525	PASS
95	95	100	100	100.0	88272	PASS
96	95	5	9	6.5	5726	PASS
173	174	0.00	2	1.2	929	PASS
174	95	50	100	85.4	75341	PASS
175	174	5	9	7.5	5675	PASS
176	174	95	101	97.6	73563	PASS
177	176	5	9	6.3	4642	PASS

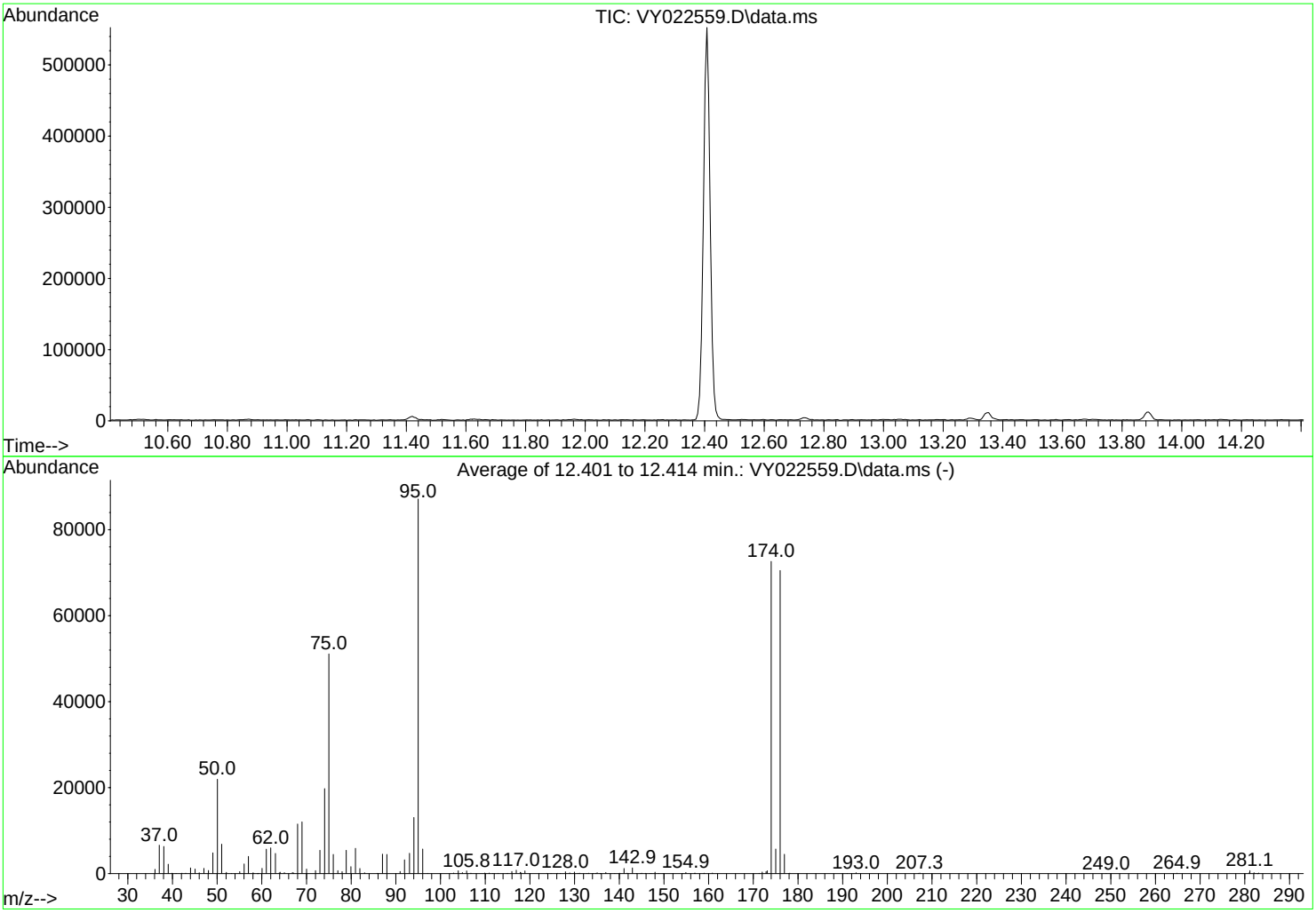
Sample Results: **VY022559.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022559.D
Acq On : 05 Jun 2025 08:08
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\82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.2	21955	PASS
75	95	30	60	58.6	51101	PASS
95	95	100	100	100.0	87144	PASS
96	95	5	9	6.6	5734	PASS
173	174	0.00	2	0.9	652	PASS
174	95	50	100	83.3	72632	PASS
175	174	5	9	7.9	5704	PASS
176	174	95	101	97.1	70496	PASS
177	176	5	9	6.4	4509	PASS

Raw Data: **VX046435.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBL01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046435.D	1		06/02/25 11:14	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VX046435.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBL01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046435.D	1		06/02/25 11:14	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	67000	5.544			
540-36-3	1,4-Difluorobenzene	132000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51800	12.018			

Raw Data: **VX046435.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBL01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046435.D	1		06/02/25 11:14	VX060225

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_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Quant Time: Jun 03 01:26:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

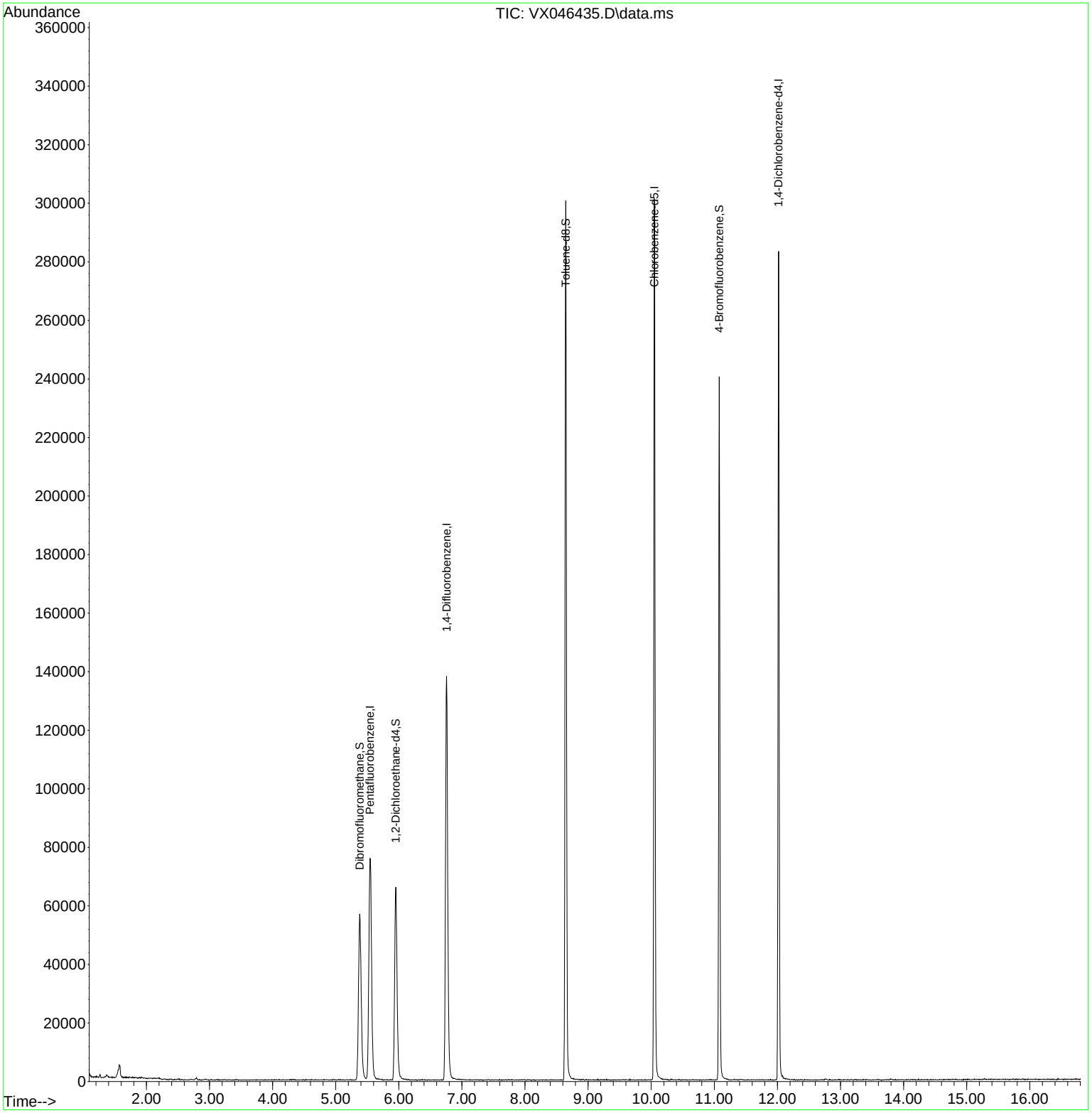
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67353	53.935	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.880%			
35) Dibromofluoromethane	5.379	113	48903	51.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.240%			
50) Toluene-d8	8.647	98	166762	50.856	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.720%			
62) 4-Bromofluorobenzene	11.079	95	63842	50.756	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.520%			
Target Compounds						Qvalue

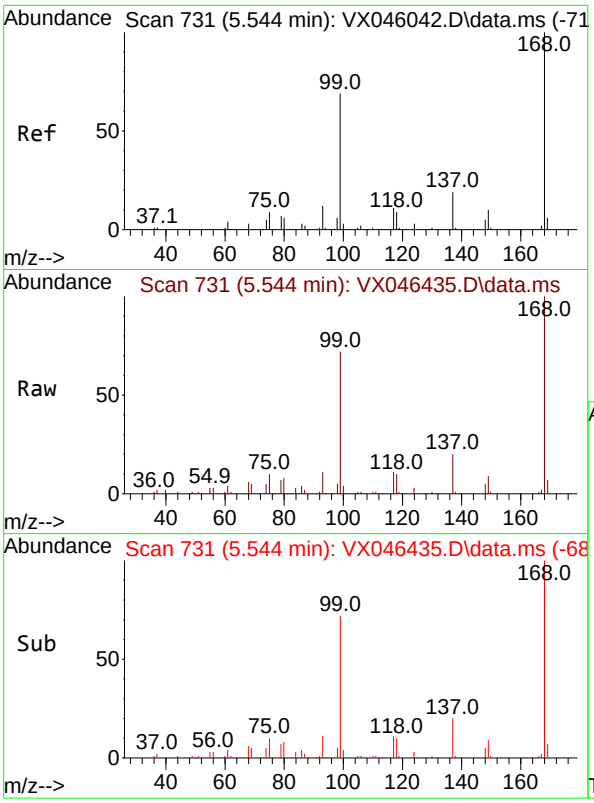
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Quant Time: Jun 03 01:26:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



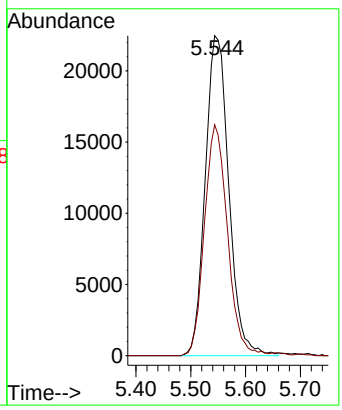


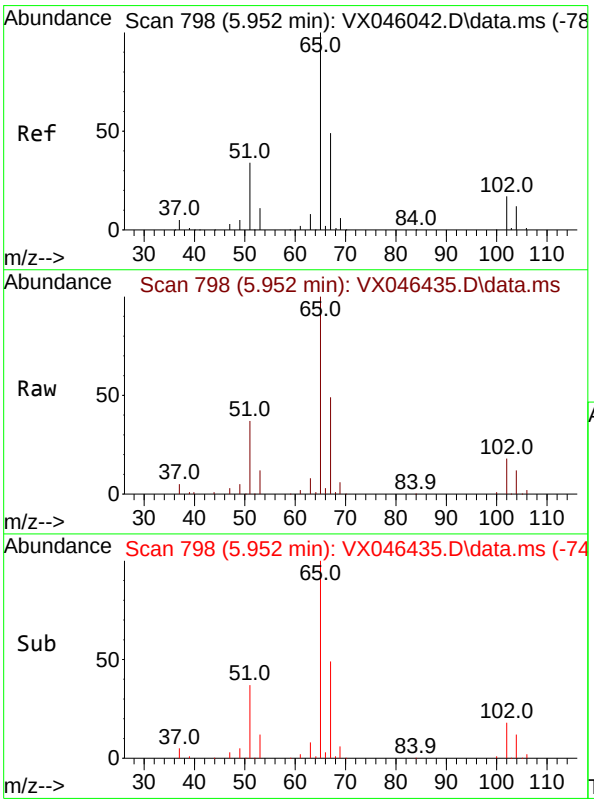
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Tgt Ion:168 Resp: 66983

Ion	Ratio	Lower	Upper
168	100		
99	72.2	54.9	82.3

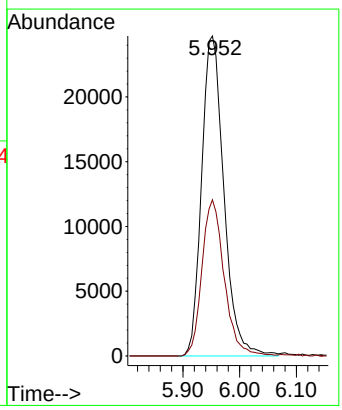


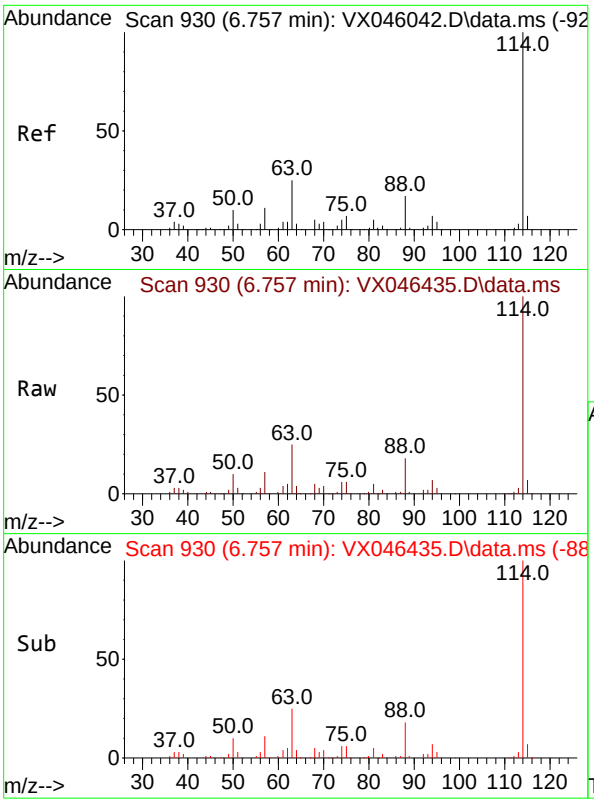


#33
1,2-Dichloroethane-d4
Concen: 53.935 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Tgt Ion: 65 Resp: 67353

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	99.0



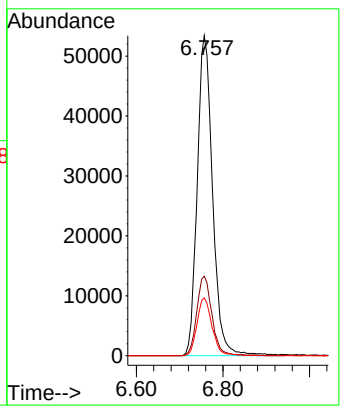


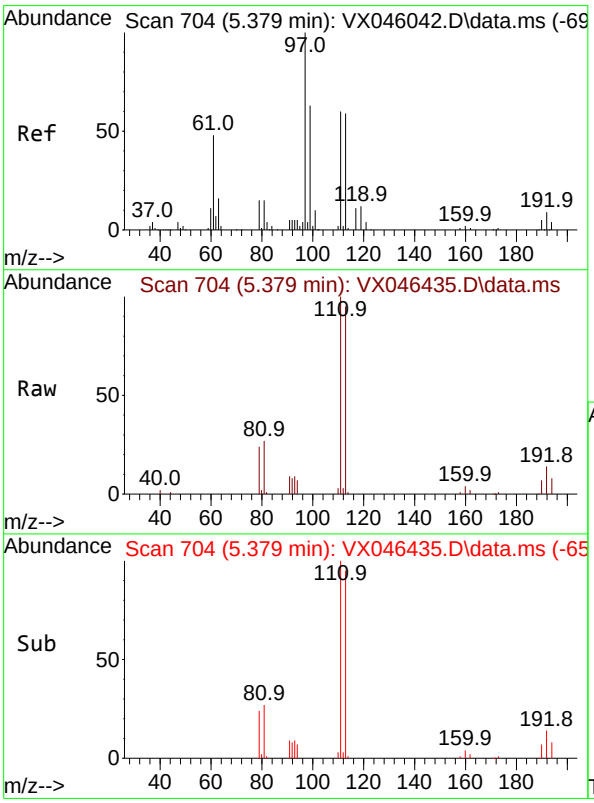
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Tgt Ion:114 Resp: 131566

Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	18.0	0.0	33.6

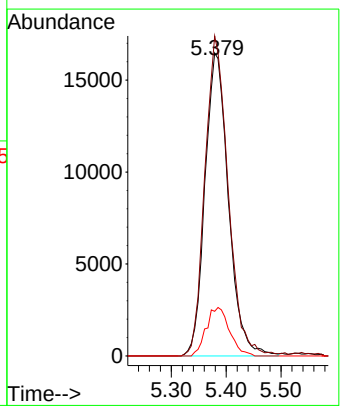


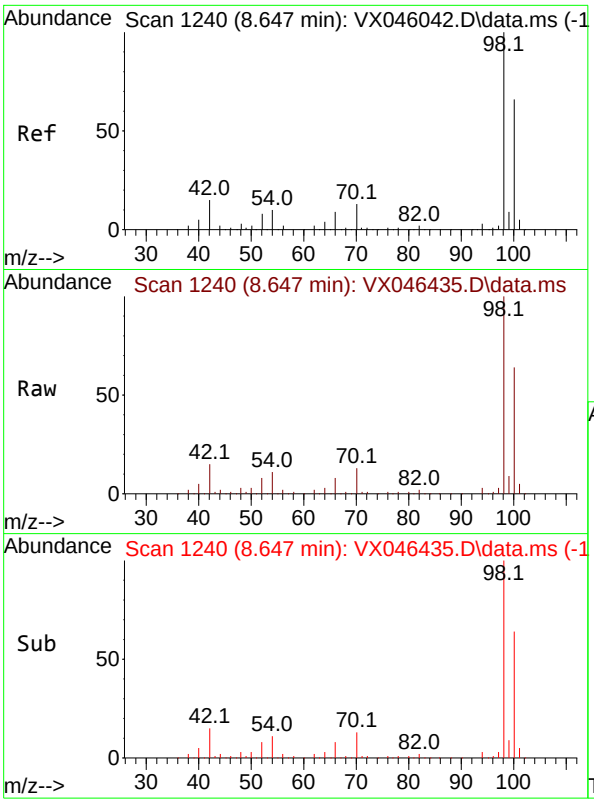


#35
Dibromofluoromethane
Concen: 51.617 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Tgt Ion:113 Resp: 48903

Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.1	124.7
192	15.9	13.3	19.9



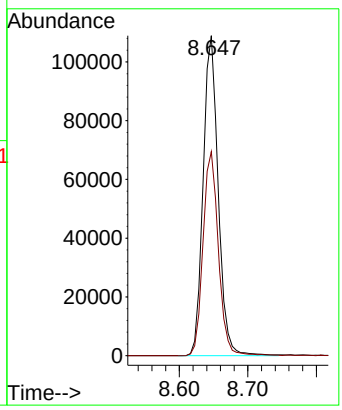


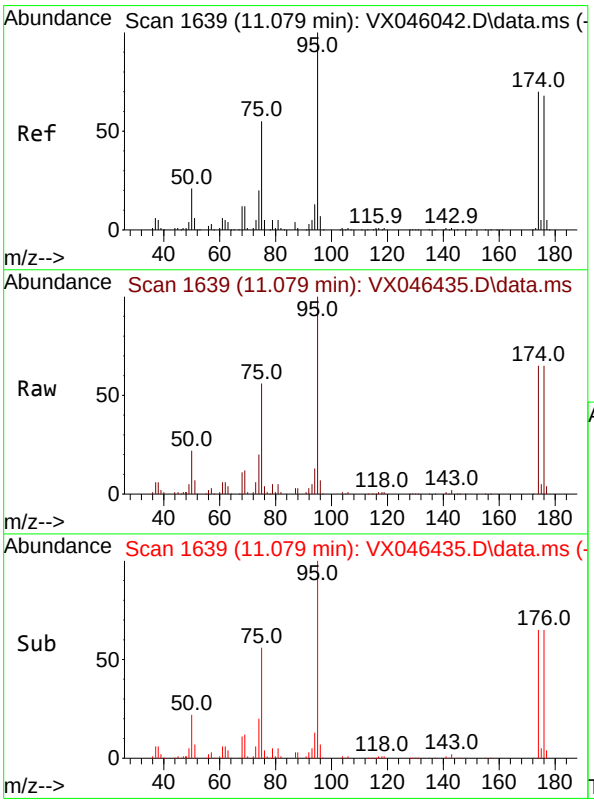
#50
Toluene-d8
Concen: 50.856 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Tgt Ion: 98 Resp: 166762

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.5	80.3

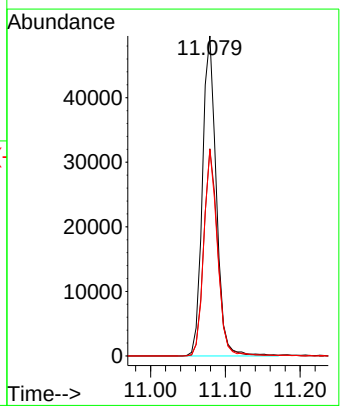


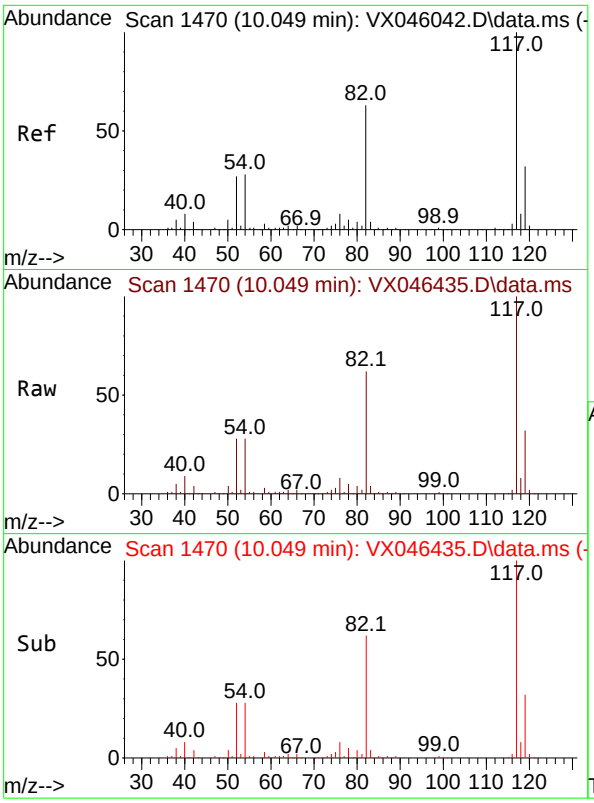


#62
4-Bromofluorobenzene
Concen: 50.756 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Tgt Ion: 95 Resp: 63842

Ion	Ratio	Lower	Upper
95	100		
174	65.0	0.0	135.8
176	63.5	0.0	131.4



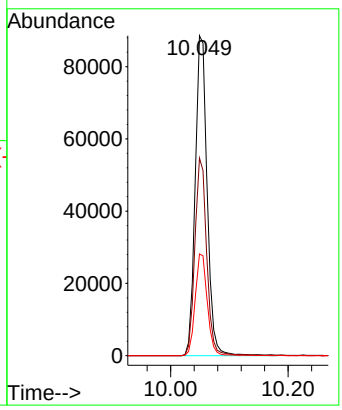


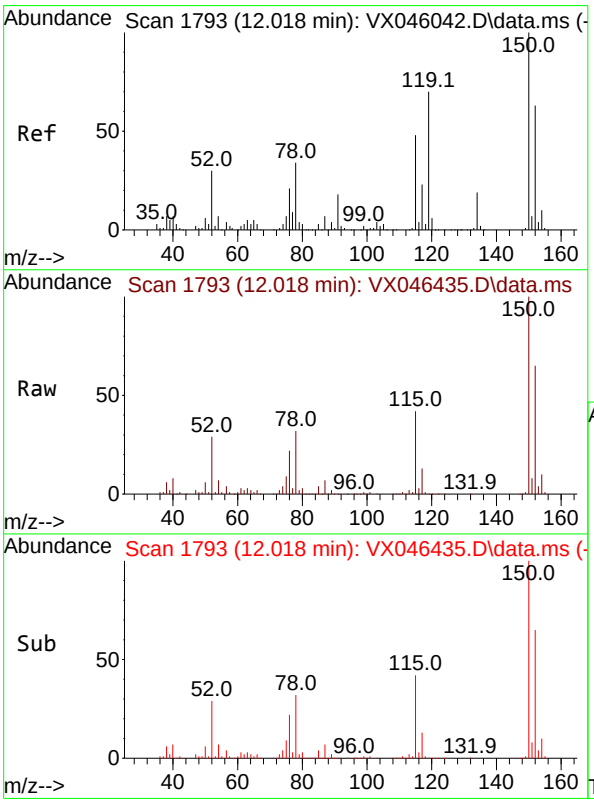
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Tgt Ion:117 Resp: 125222

Ion	Ratio	Lower	Upper
117	100		
82	61.7	50.6	76.0
119	31.8	25.8	38.6

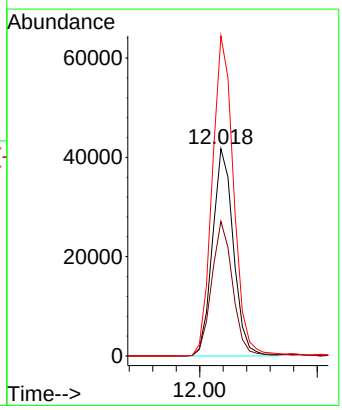




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Tgt Ion:152 Resp: 51823

Ion	Ratio	Lower	Upper
152	100		
115	65.6	46.9	140.7
150	158.1	0.0	351.0



Sample Results: **VX046435.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046435.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.569	70	79	89	rVB4	4419	11721	2.49%	0.475%
2	5.379	694	704	721	rBV2	56697	167416	35.57%	6.784%
3	5.544	721	731	748	rVB2	75422	224586	47.72%	9.101%
4	5.952	789	798	809	rBV	65914	174073	36.99%	7.054%
5	6.757	921	930	943	rBV	137900	335539	71.30%	13.597%
6	8.647	1233	1240	1257	rBV	300448	470614	100.00%	19.071%
7	10.049	1465	1470	1489	rBV	300854	422138	89.70%	17.106%
8	11.079	1634	1639	1653	rBV	240111	308193	65.49%	12.489%
9	12.018	1788	1793	1802	rBV	283015	353466	75.11%	14.323%

Sum of corrected areas: 2467746

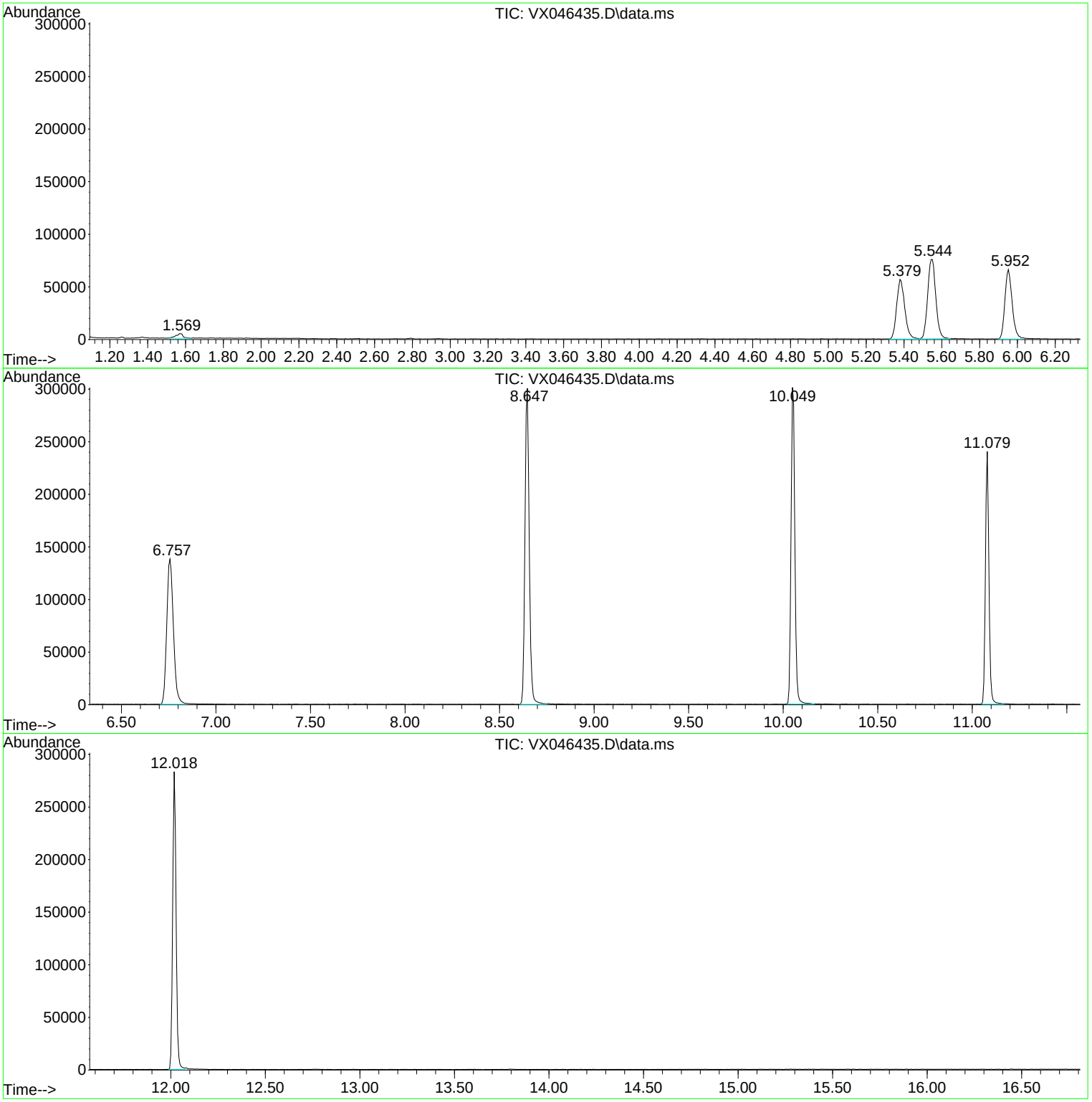
Sample Results: **VX046435.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX046435.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

Raw Data: **VY022512.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022512.D	1		06/03/25 10:40	VY060325

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: **VY022512.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022512.D	1		06/03/25 10:40	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		70 (63) - 130 (155)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		70 (17) - 130 (146)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287000	7.713			
540-36-3	1,4-Difluorobenzene	534000	8.616			
3114-55-4	Chlorobenzene-d5	429000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	155000	13.346			

Raw Data: **VY022512.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022512.D	1		06/03/25 10:40	VY060325

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\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Time: Jun 04 04:08:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

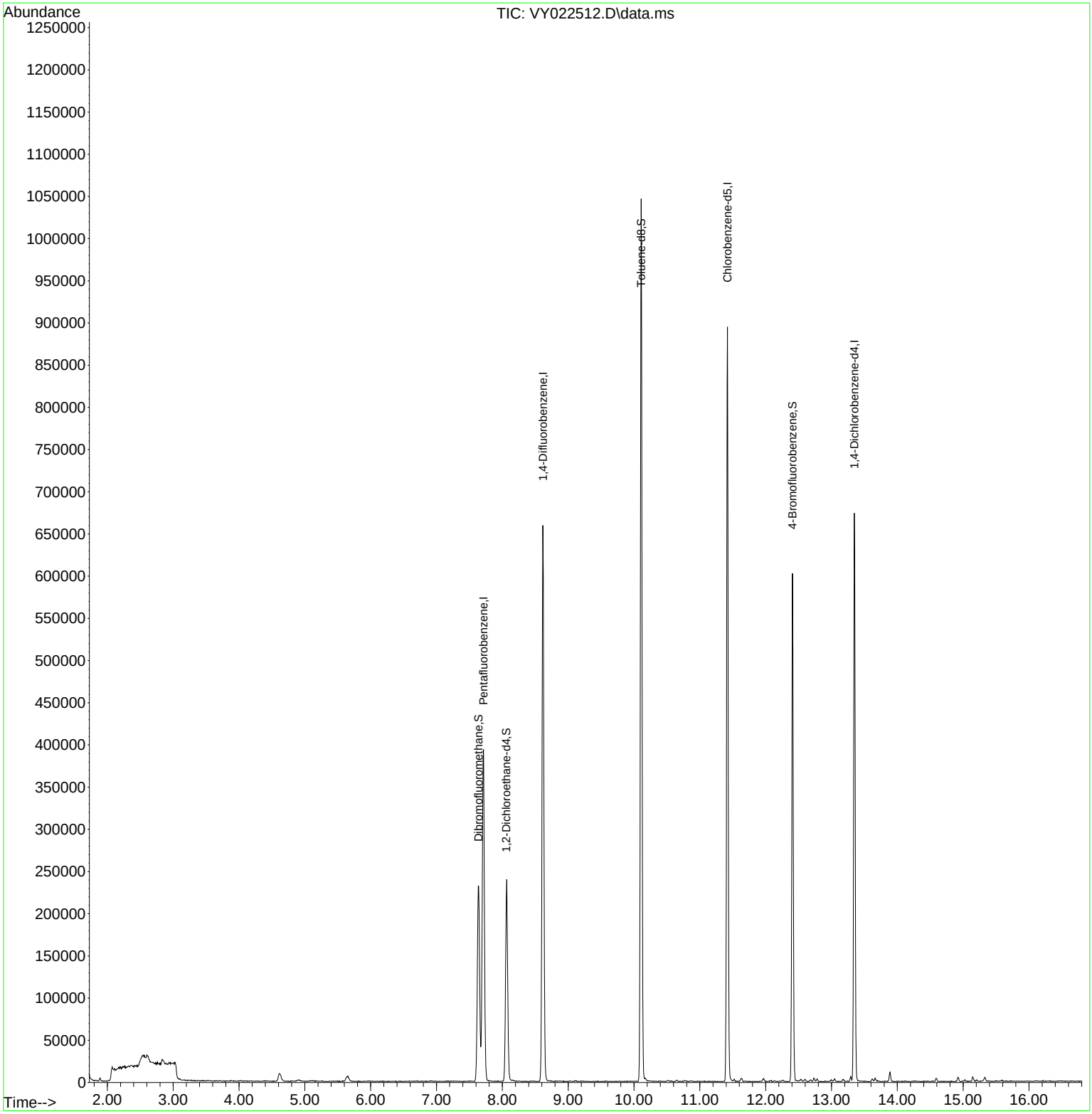
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	287398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	534399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	428748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	155262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171949	53.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.980%			
35) Dibromofluoromethane	7.640	113	162497	50.944	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.880%			
50) Toluene-d8	10.109	98	643614	49.937	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.880%			
62) 4-Bromofluorobenzene	12.408	95	161263	41.994	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.980%			
Target Compounds						Qvalue

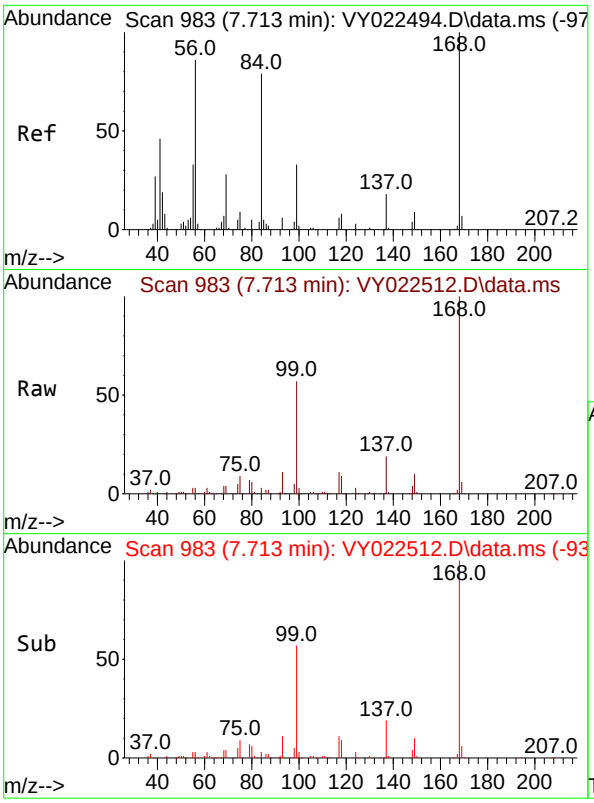
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Time: Jun 04 04:08:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



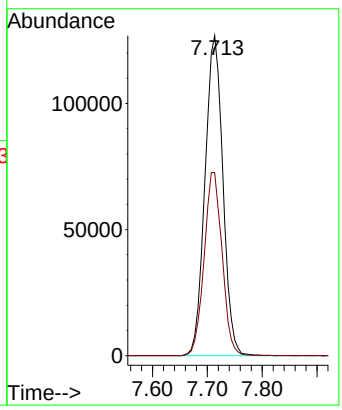


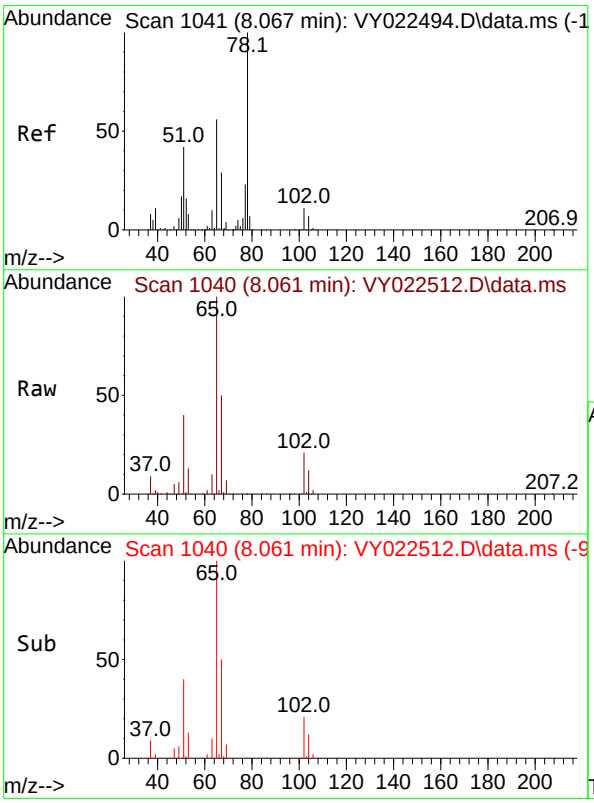
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion:168 Resp: 287398

Ion	Ratio	Lower	Upper
168	100		
99	57.2	44.3	66.5

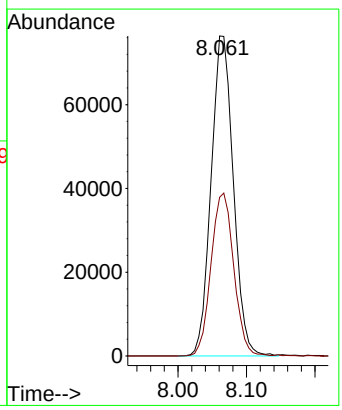


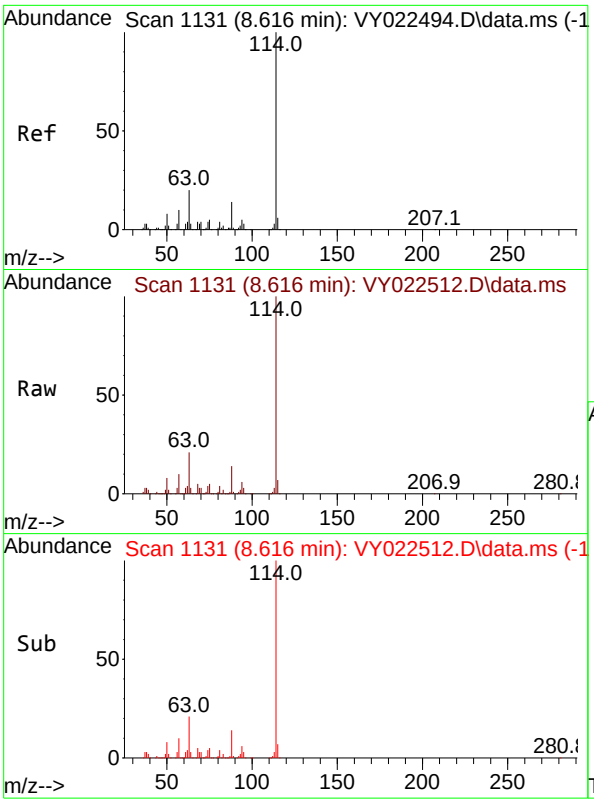


#33
1,2-Dichloroethane-d4
Concen: 53.494 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion: 65 Resp: 171949

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4



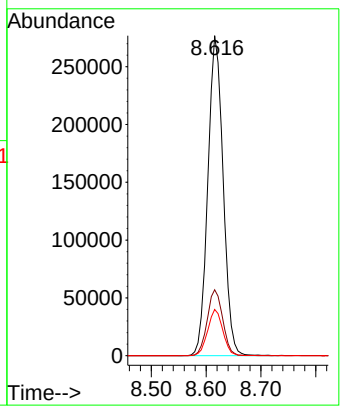


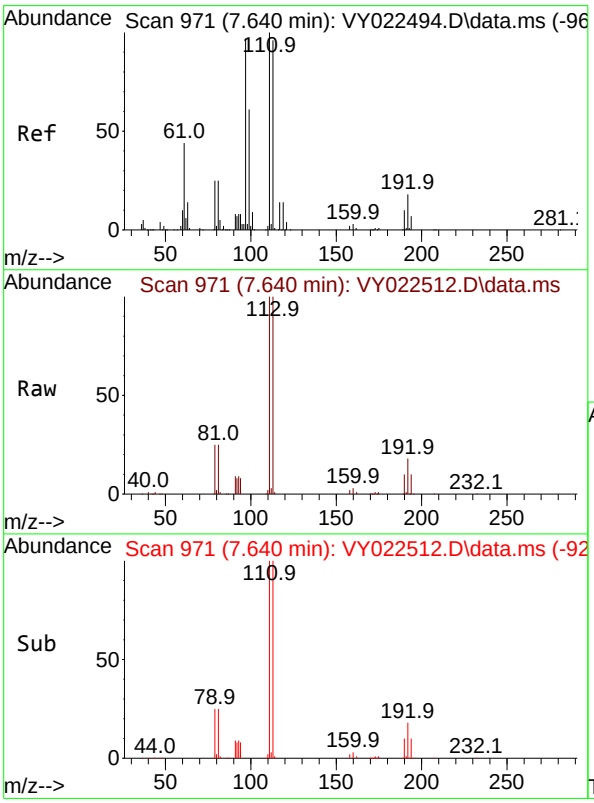
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion:114 Resp: 534399

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.4	0.0	27.8

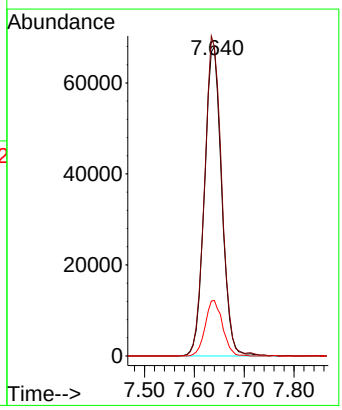


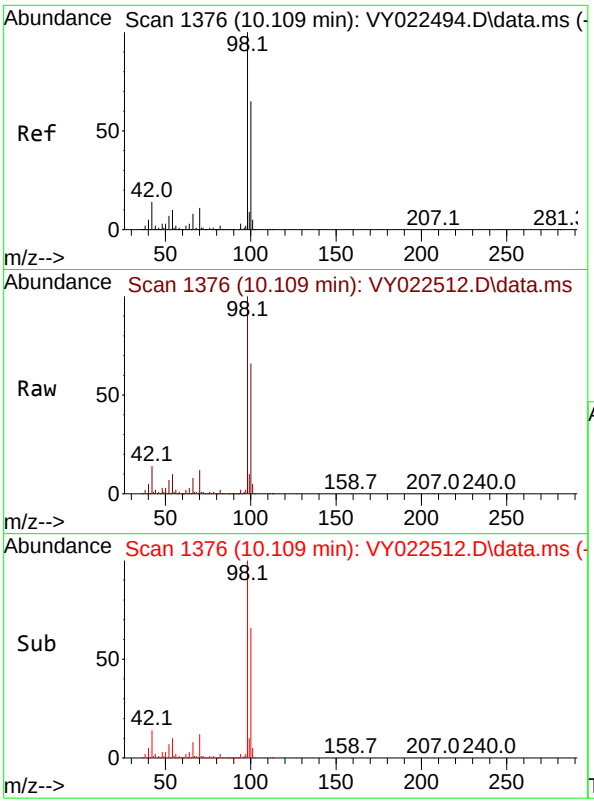


#35
Dibromofluoromethane
Concen: 50.944 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion:113 Resp: 162497

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.1	121.7
192	18.1	14.2	21.2



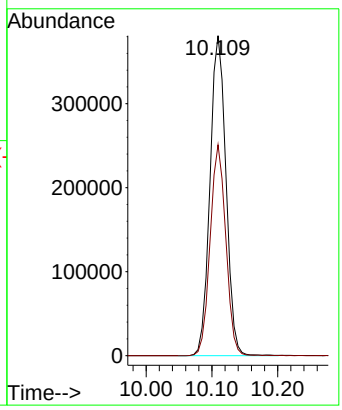


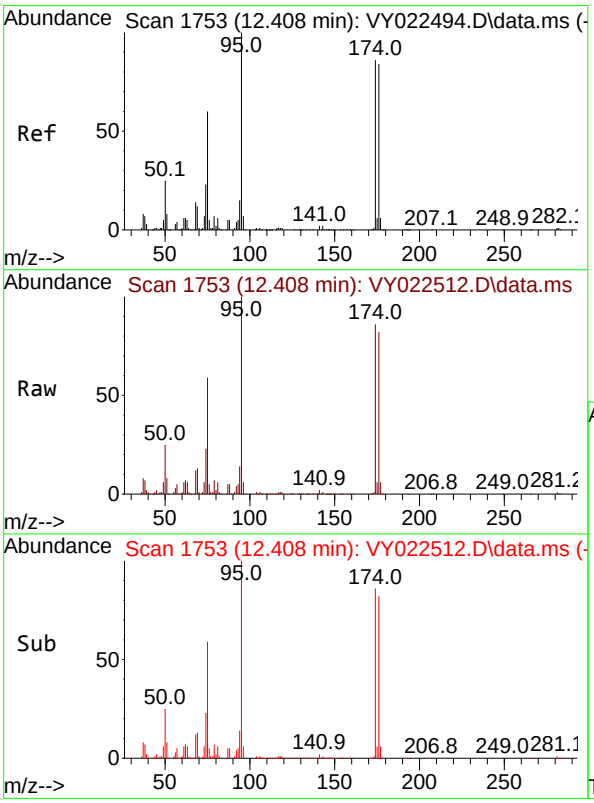
#50
Toluene-d8
Concen: 49.937 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion: 98 Resp: 643614

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0

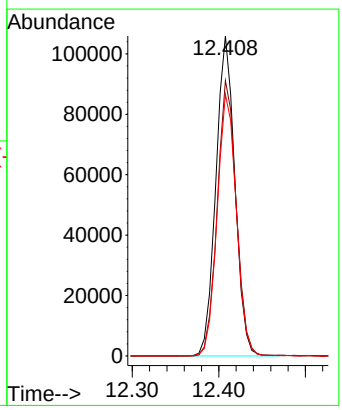


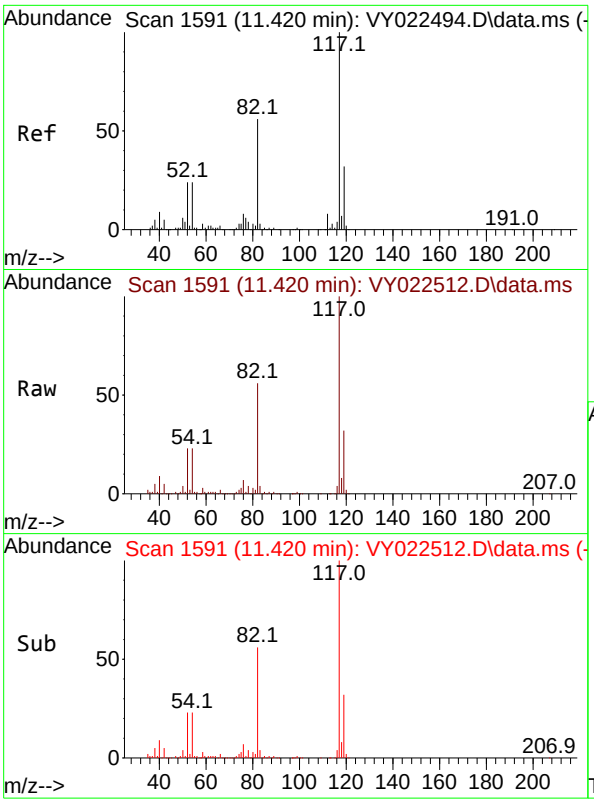


#62
4-Bromofluorobenzene
Concen: 41.994 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion: 95 Resp: 161263

Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	170.0
176	82.5	0.0	166.2



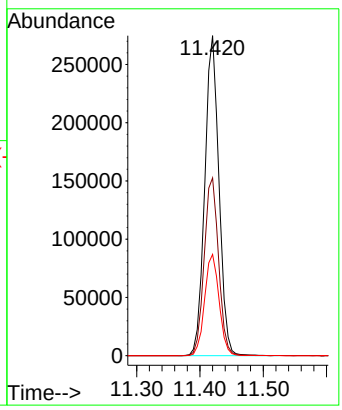


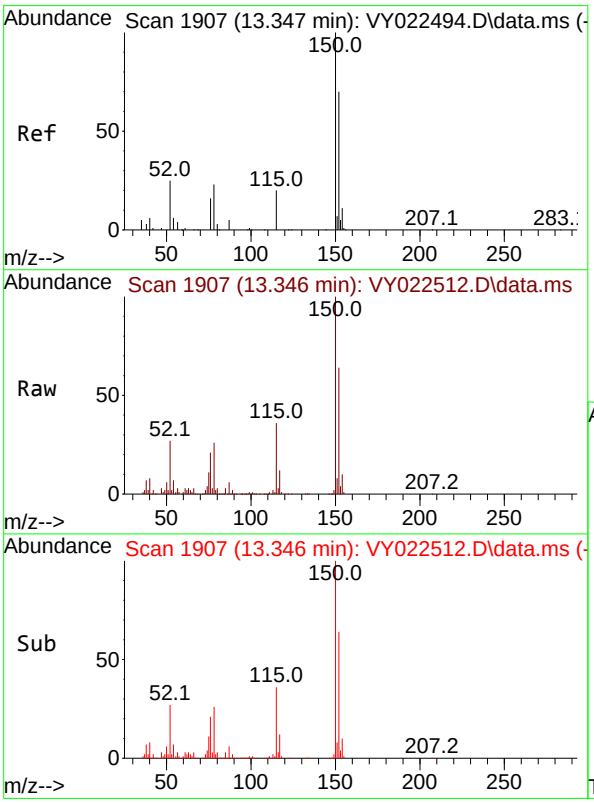
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion:117 Resp: 428748

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	66.8
119	31.6	25.4	38.0

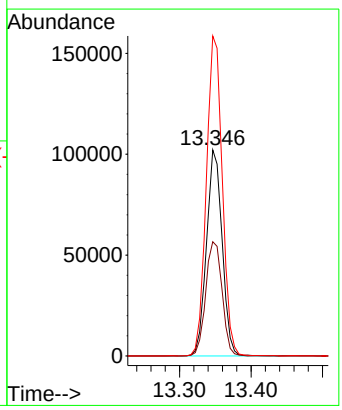




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion:152 Resp: 155262

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	158.0	0.0	349.6



Sample Results: **VY022512.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022512.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	61	rBV4	16308	35746	2.03%	0.419%
2	2.525	124	132	134	rBV6	11508	28540	1.62%	0.335%
3	4.616	465	475	487	rBV5	9205	28836	1.64%	0.338%
4	5.647	635	644	656	rVB5	6196	19866	1.13%	0.233%
5	7.634	960	970	976	rBV	231701	558773	31.74%	6.557%
6	7.713	976	983	993	rVB	392129	893359	50.75%	10.483%
7	8.067	1030	1041	1053	rBV	239523	514607	29.23%	6.039%
8	8.616	1122	1131	1143	rBV	658828	1278696	72.63%	15.005%
9	10.109	1367	1376	1385	rBV	1045962	1760453	100.00%	20.658%
10	11.420	1583	1591	1603	rBV	894137	1423227	80.84%	16.700%
11	12.408	1741	1753	1760	rBV	602384	930697	52.87%	10.921%
12	13.346	1901	1907	1916	rVB	672428	1031179	58.57%	12.100%
13	13.889	1990	1996	2003	rBV	11170	18100	1.03%	0.212%

Sum of corrected areas: 8522079

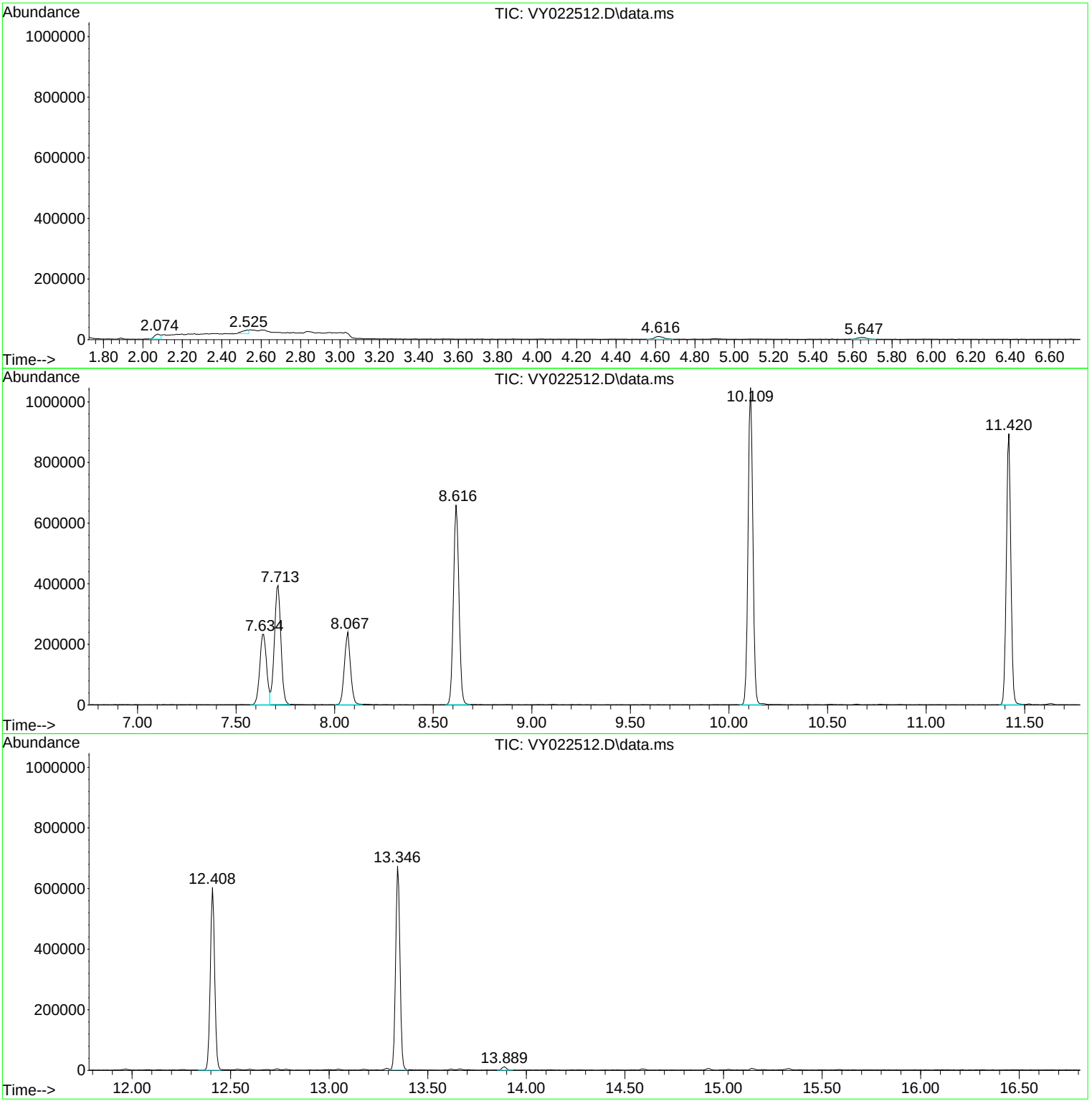
Sample Results: **VY022512.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY022512.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY022539.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0604SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022539.D	1		06/04/25 10:24	VY060425

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: **VY022539.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0604SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022539.D	1		06/04/25 10:24	VY060425

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		70 (63) - 130 (155)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		70 (17) - 130 (146)	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	271000	7.707			
540-36-3	1,4-Difluorobenzene	498000	8.616			
3114-55-4	Chlorobenzene-d5	391000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.346			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0604SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022539.D	1		06/04/25 10:24	VY060425

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\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Time: Jun 05 04:09:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	271205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	498185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	390593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	137326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159828	52.692	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.380%			
35) Dibromofluoromethane	7.634	113	150711	50.684	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.360%			
50) Toluene-d8	10.109	98	592665	49.327	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.408	95	149151	41.664	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.320%			

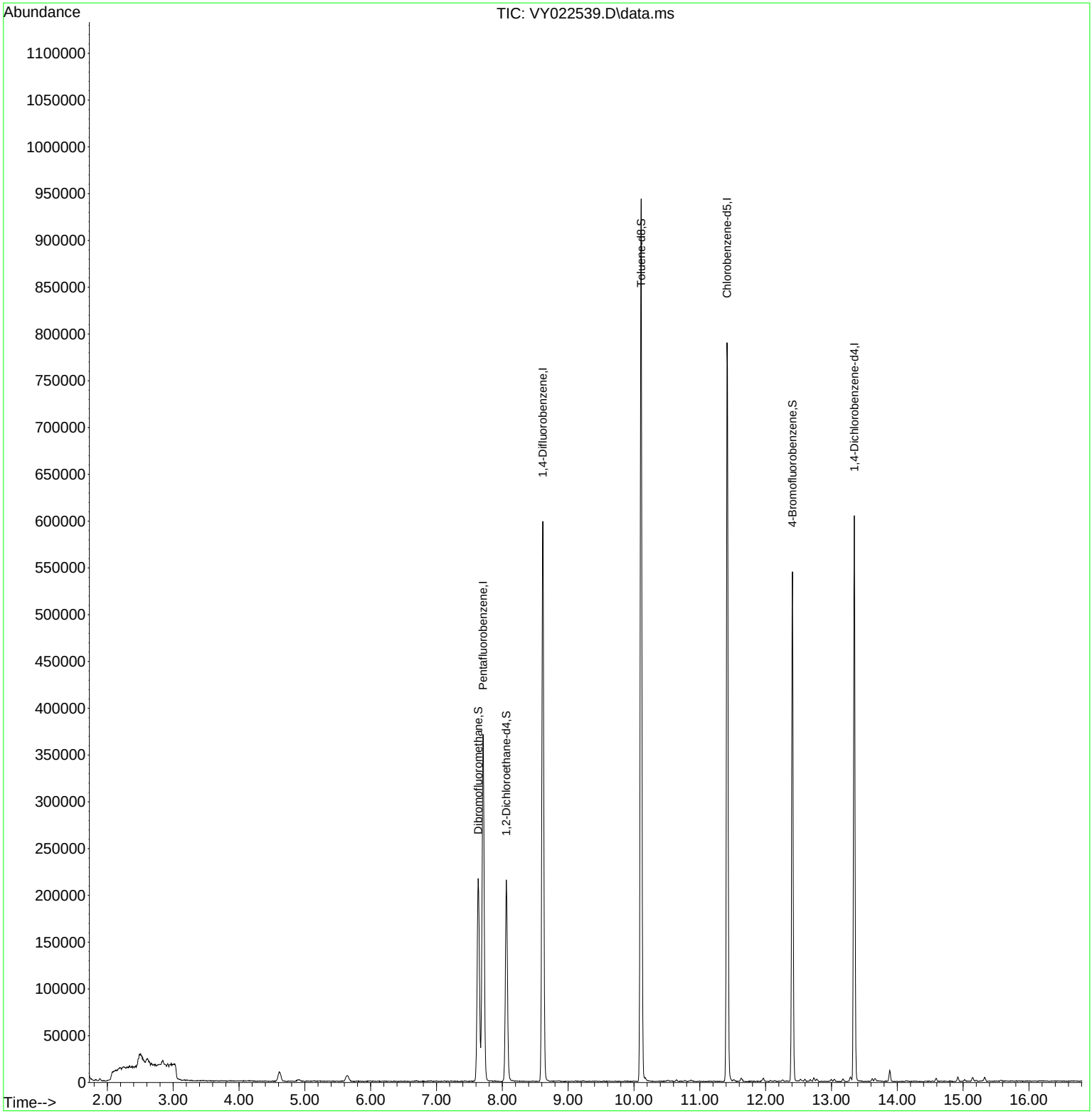
Target Compounds Qvalue

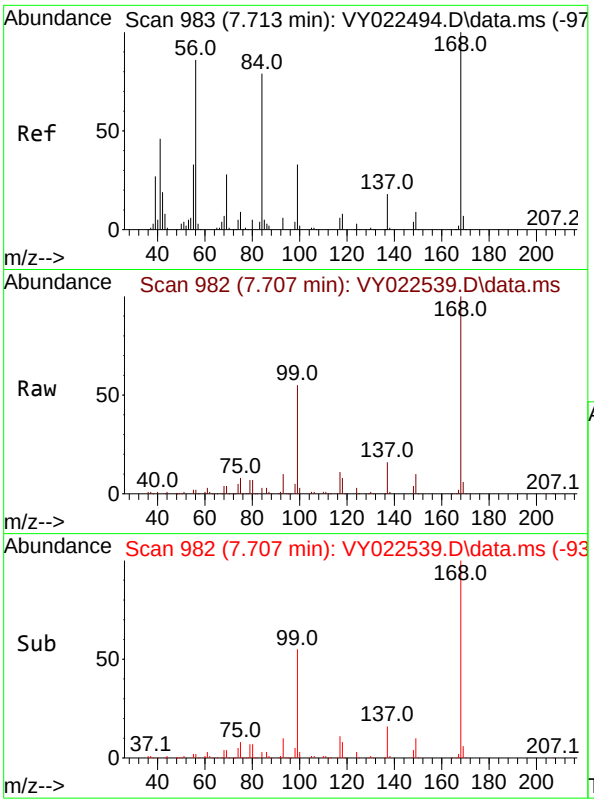
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Time: Jun 05 04:09:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



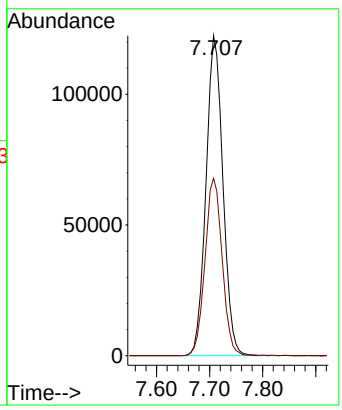


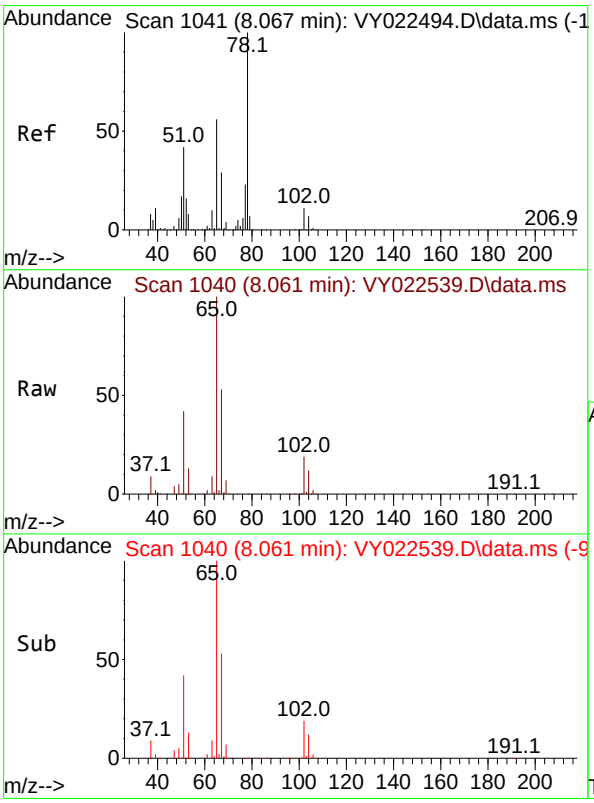
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion:168 Resp: 271205

Ion	Ratio	Lower	Upper
168	100		
99	55.5	44.3	66.5

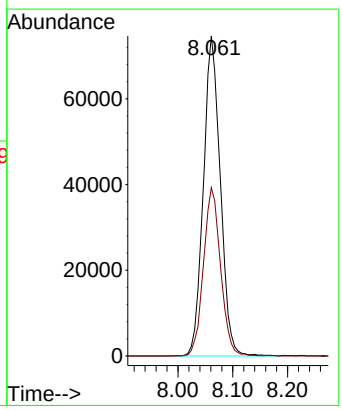


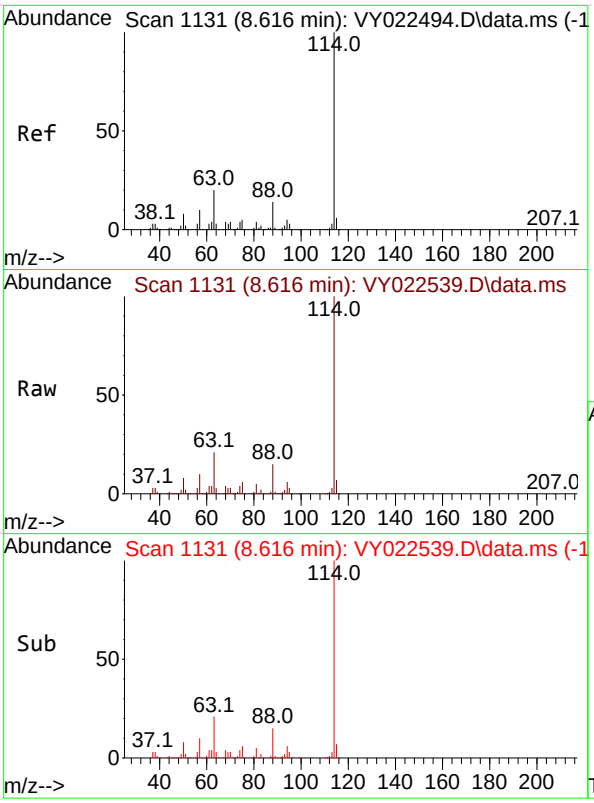


#33
1,2-Dichloroethane-d4
Concen: 52.692 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Tgt Ion: 65 Resp: 159828

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.4



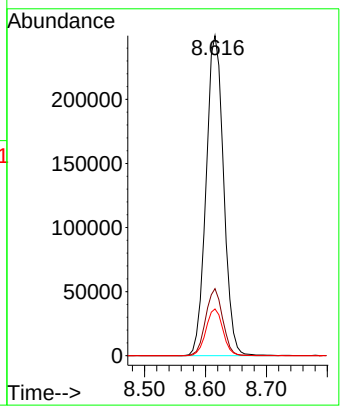


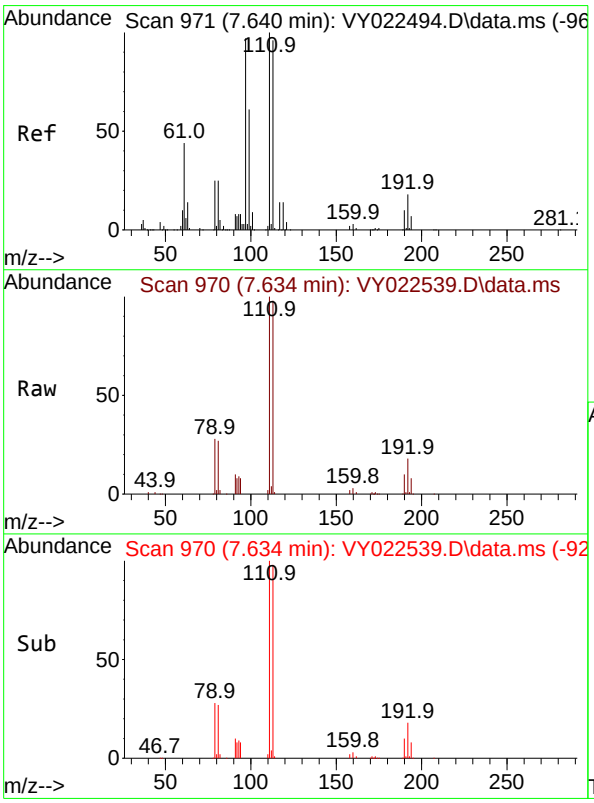
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion:114 Resp: 498185

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	14.6	0.0	27.8

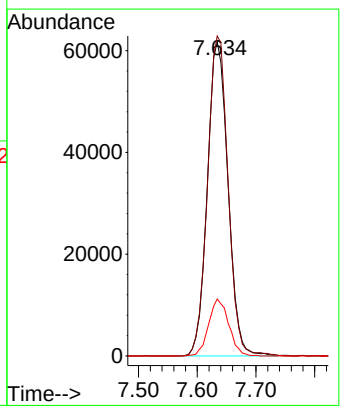


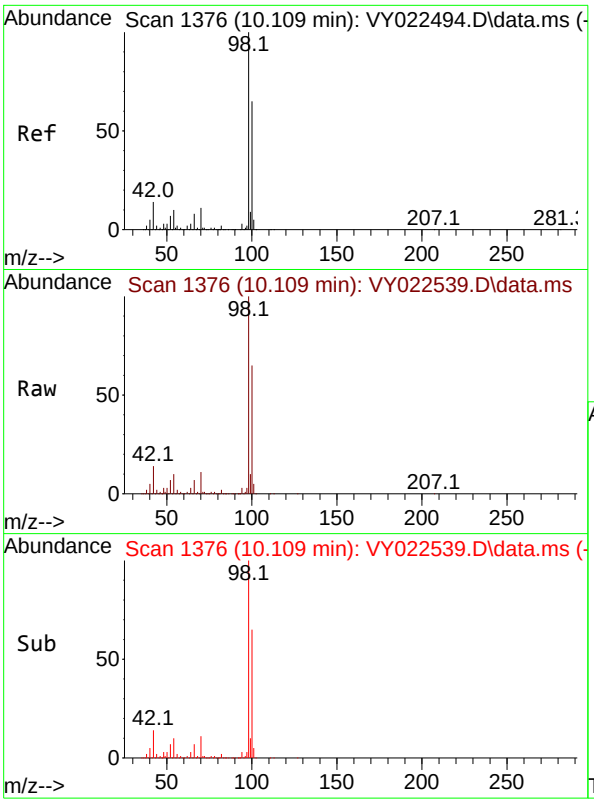


#35
Dibromofluoromethane
Concen: 50.684 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Tgt Ion:113 Resp: 150711

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.1	121.7
192	17.7	14.2	21.2



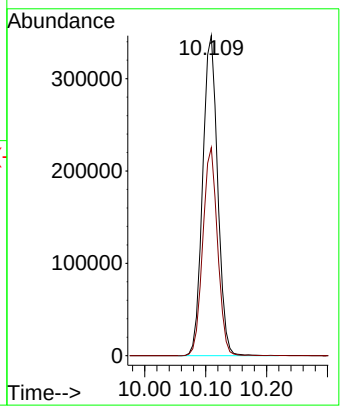


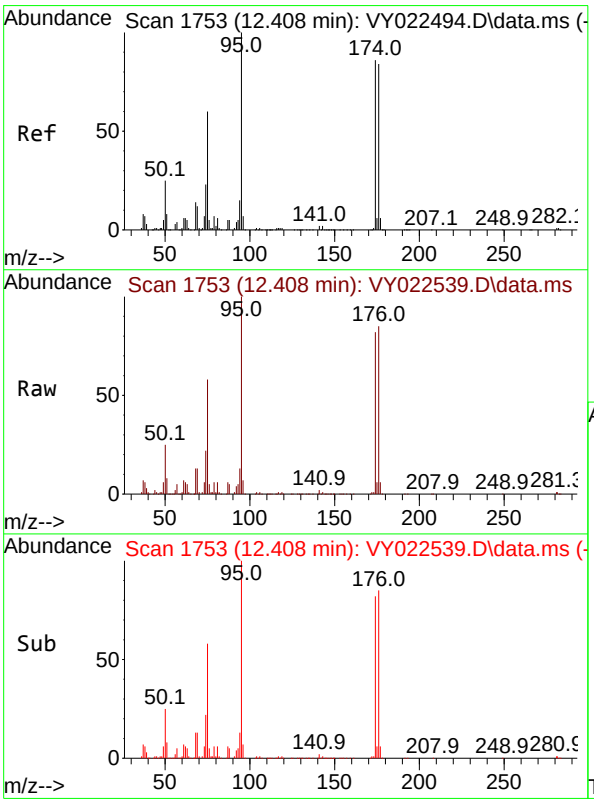
#50
Toluene-d8
Concen: 49.327 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion: 98 Resp: 592665

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0

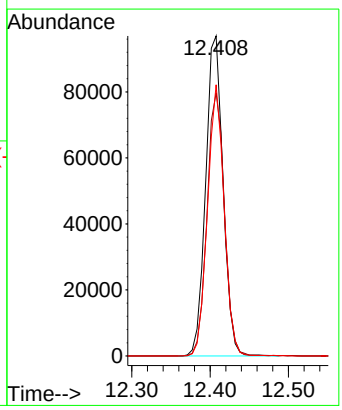


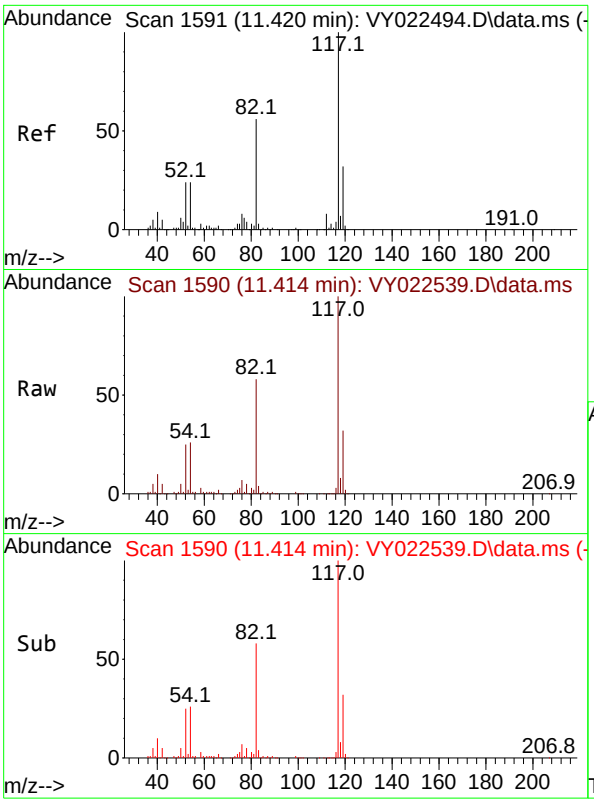


#62
4-Bromofluorobenzene
Concen: 41.664 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Tgt Ion: 95 Resp: 149151

Ion	Ratio	Lower	Upper
95	100		
174	82.8	0.0	170.0
176	80.6	0.0	166.2



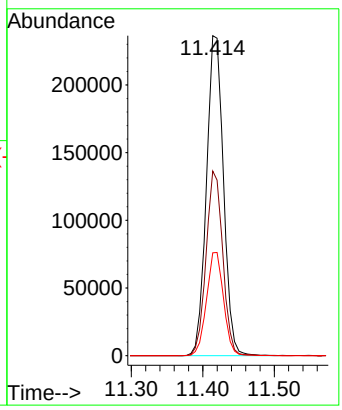


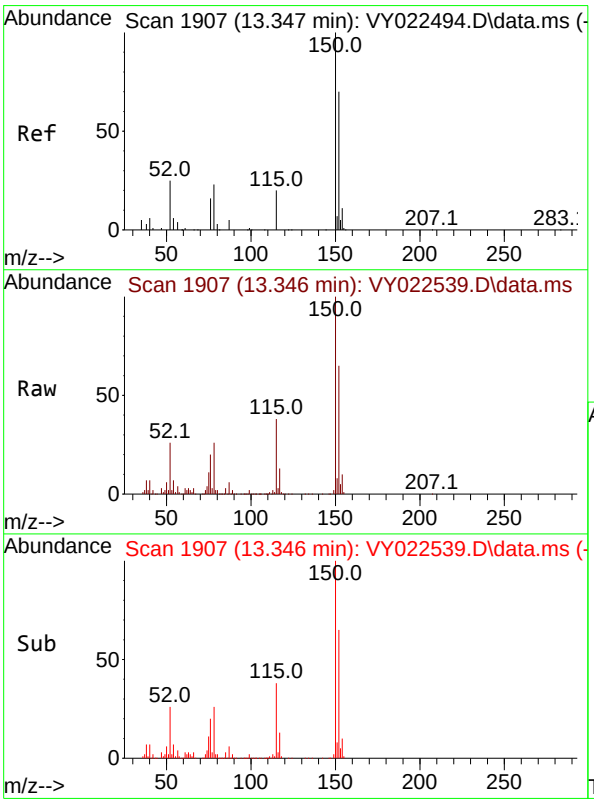
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion:117 Resp: 390593

Ion	Ratio	Lower	Upper
117	100		
82	57.7	44.6	66.8
119	32.2	25.4	38.0

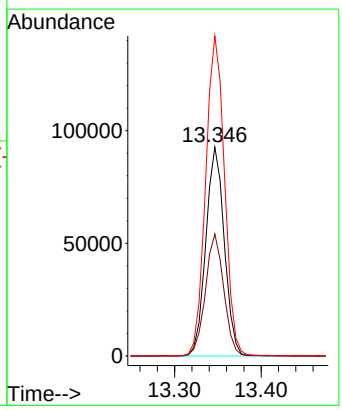




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Tgt Ion:152 Resp: 137326

Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.9	86.7
150	156.5	0.0	349.6



Sample Results: **VY022539.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022539.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	50	59	60	rBV3	8900	16705	1.03%	0.215%
2	4.610	464	474	486	rBV3	10253	32359	2.00%	0.416%
3	5.647	633	644	652	rBV6	6208	21172	1.31%	0.272%
4	7.634	959	970	976	rBV	216859	519690	32.09%	6.673%
5	7.707	976	982	995	rVB	370343	834319	51.51%	10.713%
6	8.061	1030	1040	1052	rBV	215799	474896	29.32%	6.098%
7	8.616	1122	1131	1150	rVB	598809	1189420	73.44%	15.273%
8	10.109	1367	1376	1385	rBV	943399	1619604	100.00%	20.797%
9	11.414	1583	1590	1603	rBV	789380	1299067	80.21%	16.681%
10	12.408	1745	1753	1764	rBV	544757	844373	52.13%	10.842%
11	13.346	1901	1907	1919	rVB	604325	917874	56.67%	11.786%
12	13.883	1990	1995	2001	rVB2	11753	18325	1.13%	0.235%

Sum of corrected areas: 7787804

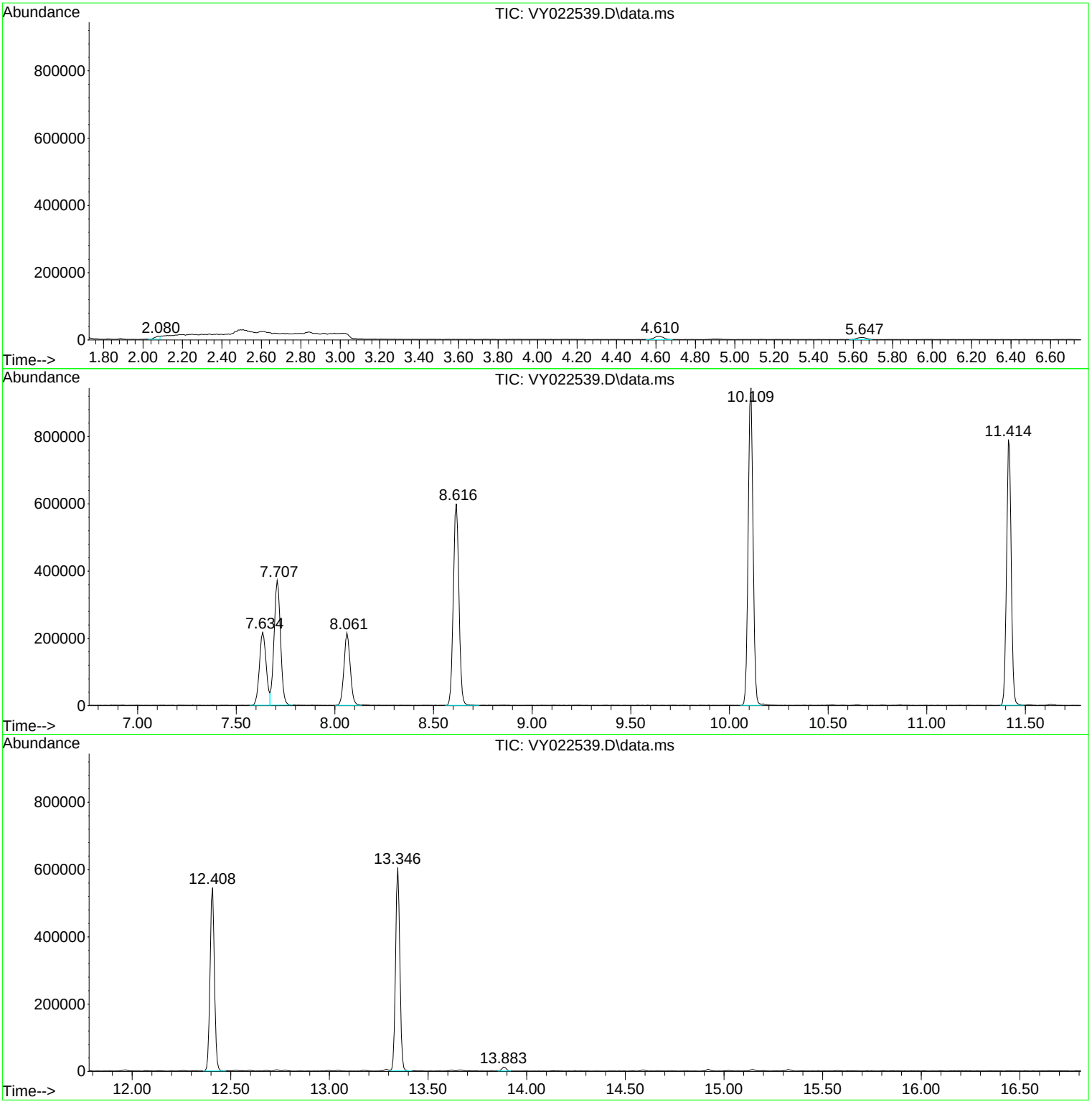
Sample Results: **VY022539.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY022539.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY022561.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0605SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022561.D	1		06/05/25 09:11	VY060525

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: **VY022561.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0605SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022561.D	1		06/05/25 09:11	VY060525

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	51.7		70 (63) - 130 (155)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.7		70 (17) - 130 (146)	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	260000	7.707			
540-36-3	1,4-Difluorobenzene	482000	8.609			
3114-55-4	Chlorobenzene-d5	383000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.346			

Raw Data: **VY022561.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0605SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022561.D	1		06/05/25 09:11	VY060525

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\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Quant Time: Jun 06 01:19:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

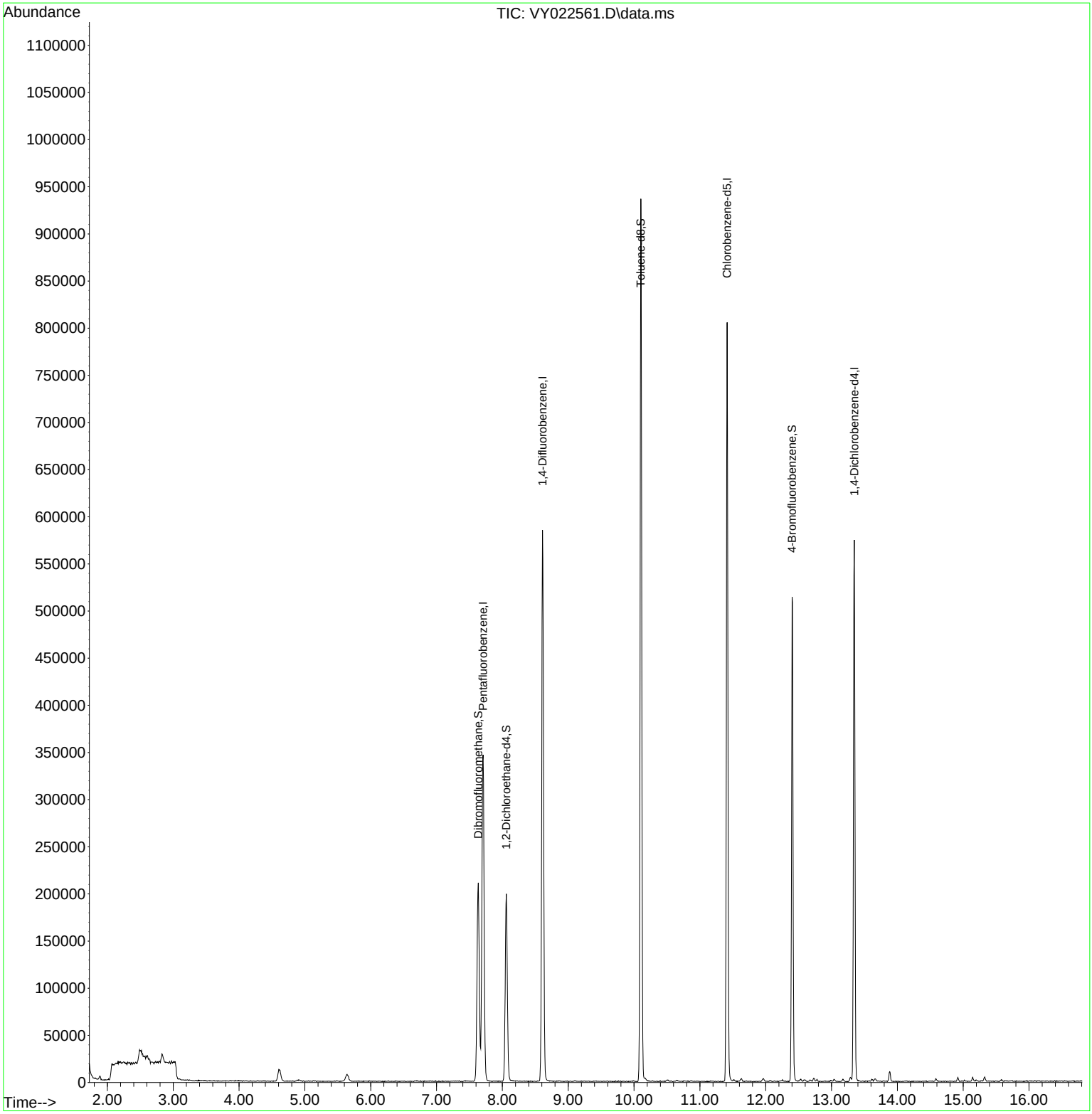
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	260317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	481555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	383268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	134444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	150403	51.658	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.320%			
35) Dibromofluoromethane	7.634	113	144501	50.273	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.540%			
50) Toluene-d8	10.103	98	576294	49.621	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.240%			
62) 4-Bromofluorobenzene	12.401	95	140831	40.698	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.400%			
Target Compounds						Qvalue

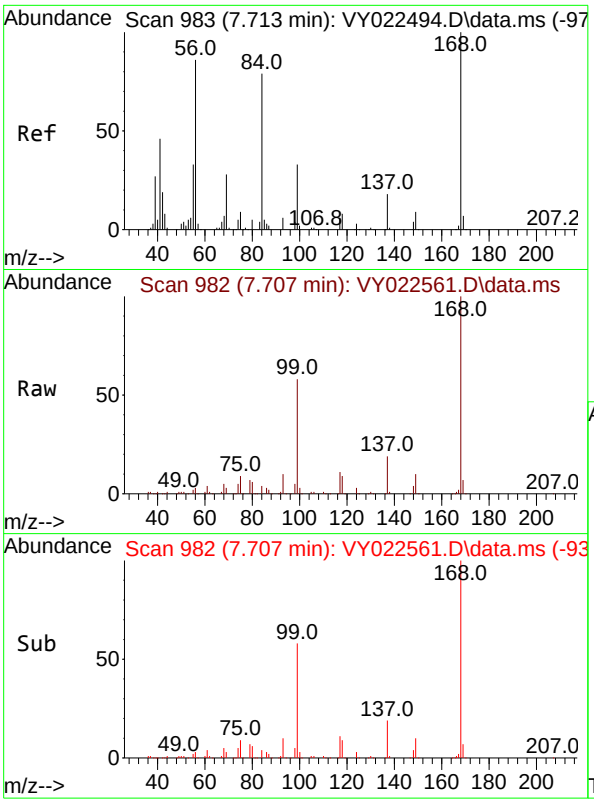
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Quant Time: Jun 06 01:19:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



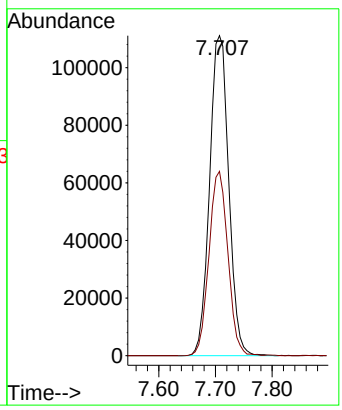


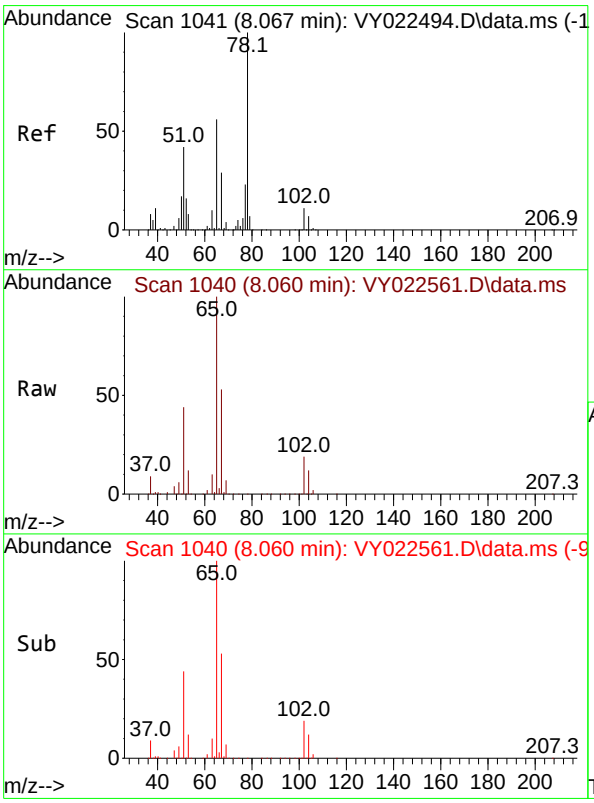
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Tgt Ion:168 Resp: 260317

Ion	Ratio	Lower	Upper
168	100		
99	57.6	44.3	66.5

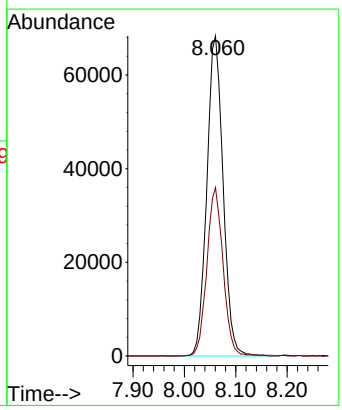


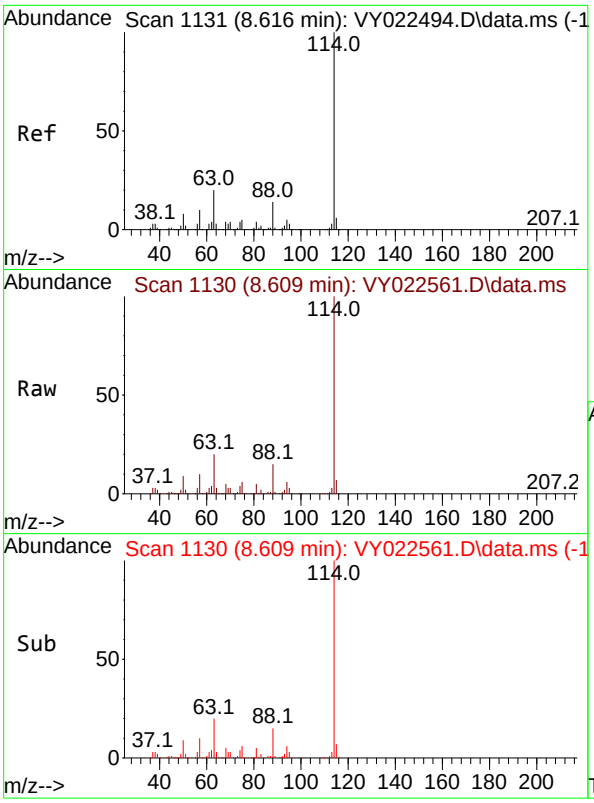


#33
1,2-Dichloroethane-d4
Concen: 51.658 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion: 65 Resp: 150403

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.4



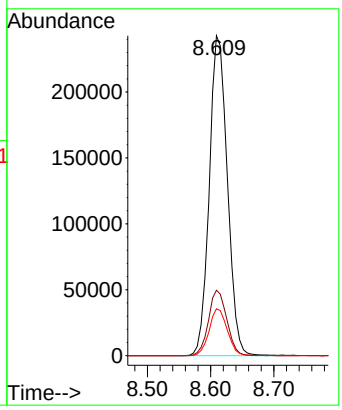


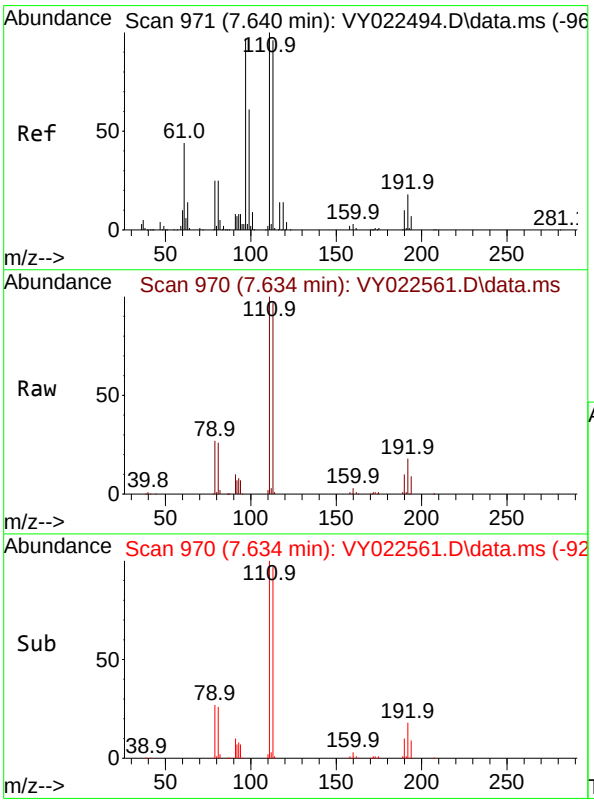
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Tgt Ion:114 Resp: 481555

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	14.7	0.0	27.8

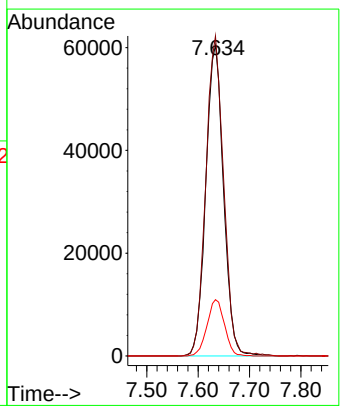


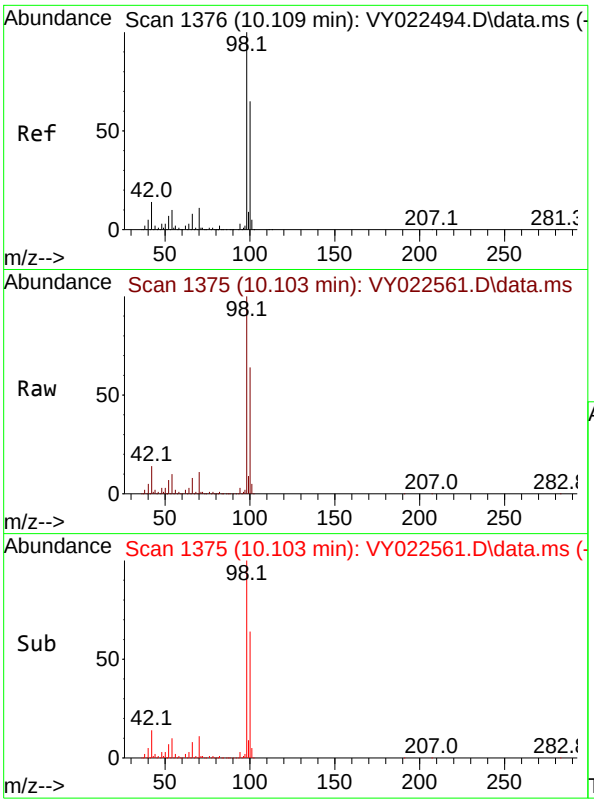


#35
Dibromofluoromethane
Concen: 50.273 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion:113 Resp: 144501

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.1	121.7
192	17.9	14.2	21.2



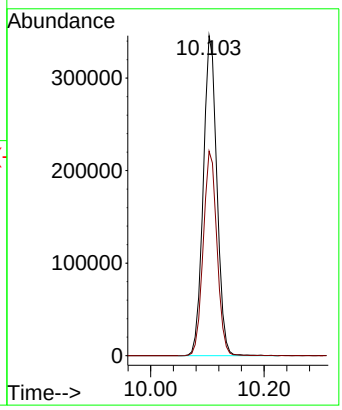


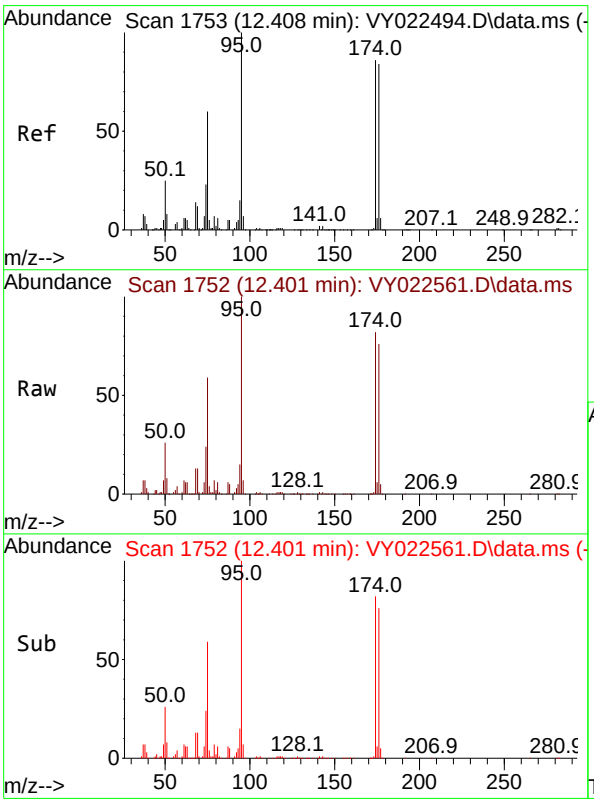
#50
Toluene-d8
Concen: 49.621 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Tgt Ion: 98 Resp: 576294

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0

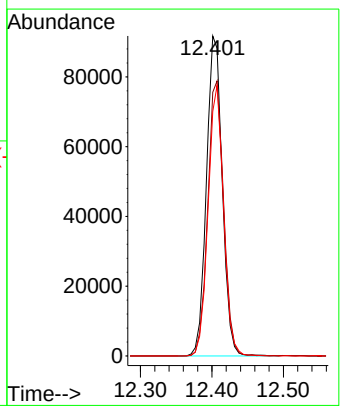


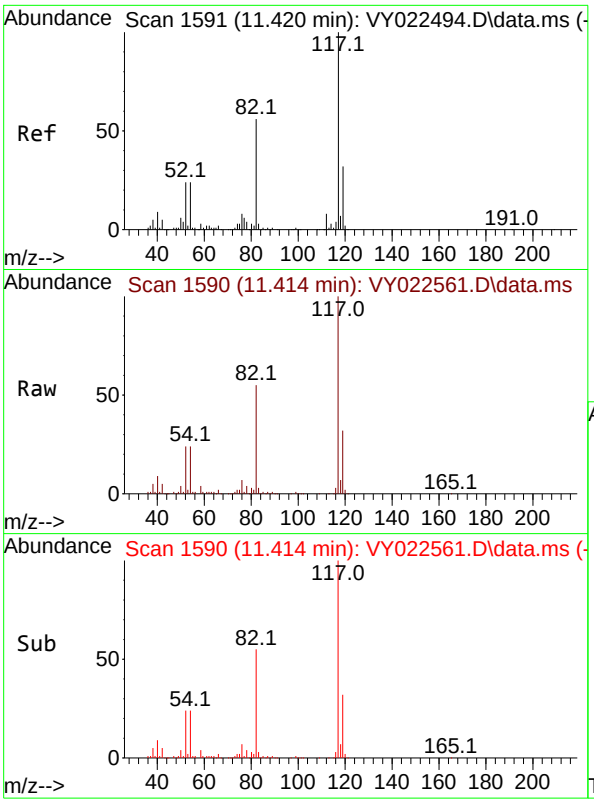


#62
4-Bromofluorobenzene
Concen: 40.698 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion: 95 Resp: 140831

Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	170.0
176	82.7	0.0	166.2



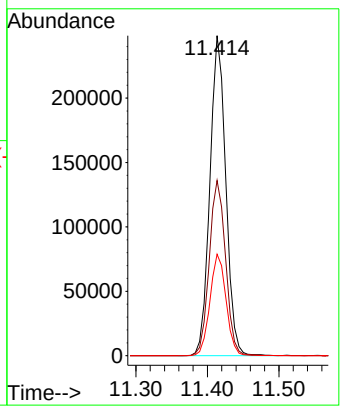


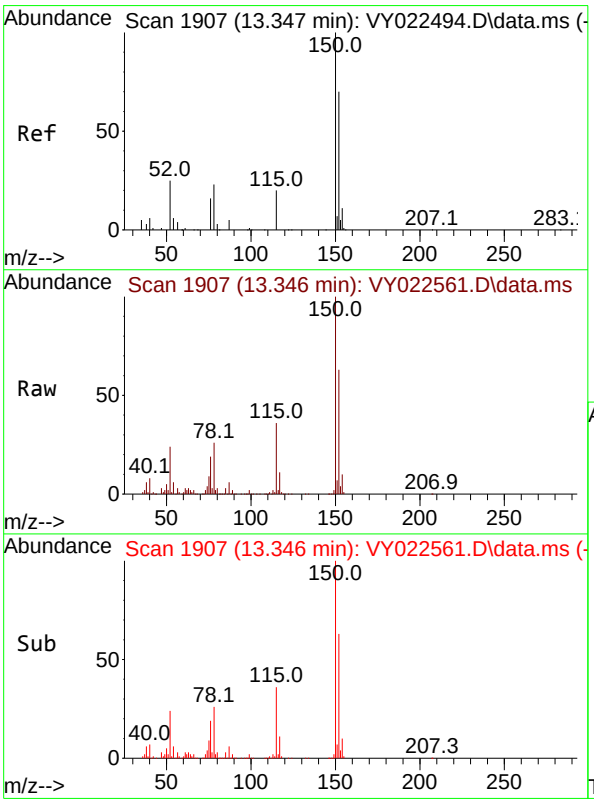
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Tgt Ion:117 Resp: 383268

Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	66.8
119	31.7	25.4	38.0

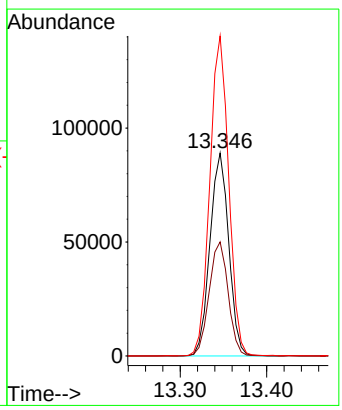




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion:152 Resp: 134444

Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.9	86.7
150	157.8	0.0	349.6



Sample Results: **VY022561.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022561.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	59	rBV	17257	31022	1.97%	0.408%
2	2.830	178	182	190	rVB7	9157	18591	1.18%	0.245%
3	4.604	465	473	488	rVB2	12680	39721	2.52%	0.523%
4	5.640	630	643	655	rVB5	7470	24716	1.57%	0.325%
5	7.634	958	970	976	rBV	210718	507968	32.20%	6.686%
6	7.707	976	982	1001	rVB	346227	805083	51.03%	10.596%
7	8.060	1030	1040	1052	rBV	198975	443774	28.13%	5.841%
8	8.609	1120	1130	1142	rBV	584428	1154841	73.20%	15.200%
9	10.103	1367	1375	1385	rBV	936357	1577717	100.00%	20.765%
10	11.414	1583	1590	1603	rBV	804473	1265723	80.22%	16.659%
11	12.401	1744	1752	1762	rBV	514154	817173	51.79%	10.755%
12	13.346	1900	1907	1917	rVB	573759	892925	56.60%	11.752%
13	13.883	1989	1995	2001	rBV2	10530	18622	1.18%	0.245%

Sum of corrected areas: 7597876

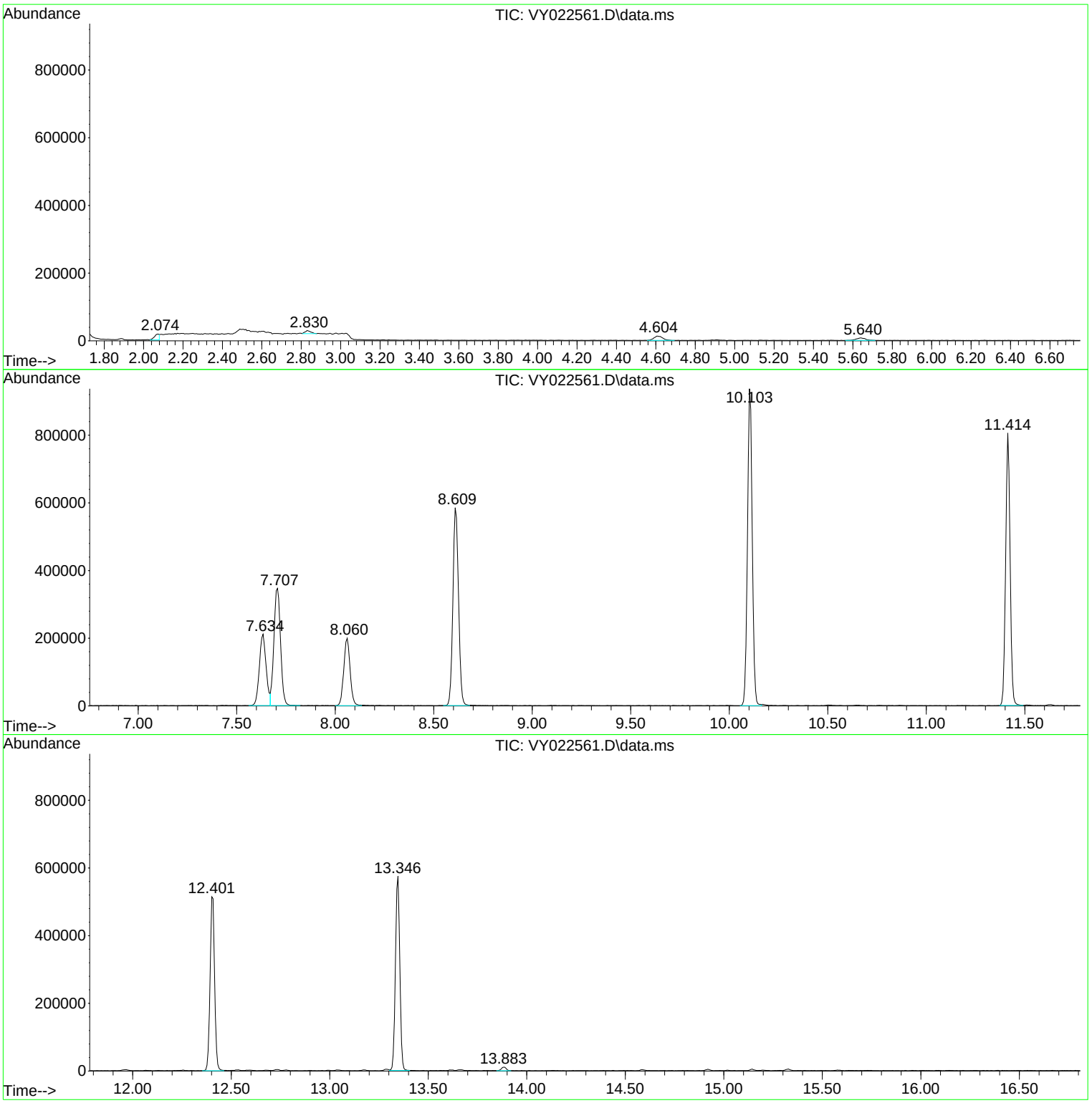
Sample Results: **VY022561.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY022561.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Raw Data: **VX046436.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBS01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046436.D	1		06/02/25 11:37	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.22	1.00	ug/L
74-87-3	Chloromethane	16.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.8		0.26	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	5.00	ug/L
75-00-3	Chloroethane	18.7		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.5		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.3		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	14.3		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	26.5		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.3		0.22	1.00	ug/L
67-66-3	Chloroform	20.5		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.3		0.16	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	21.5		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.9		0.14	1.00	ug/L

Raw Data: **VX046436.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBS01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046436.D	1		06/02/25 11:37	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.4		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.6		0.24	2.00	ug/L
95-47-6	o-Xylene	20.3		0.12	1.00	ug/L
100-42-5	Styrene	21.0		0.15	1.00	ug/L
75-25-2	Bromoform	20.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.8		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.3		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	88500	5.544			
540-36-3	1,4-Difluorobenzene	152000	6.757			
3114-55-4	Chlorobenzene-d5	133000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63000	12.018			

Raw Data: **VX046436.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBS01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046436.D	1		06/02/25 11:37	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VX046436.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046436.D
Acq On : 02 Jun 2025 11:37
Operator : JC/MD
Sample : VX0602WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 01:26:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	88536	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152496	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81779	49.545	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.100%			
35) Dibromofluoromethane	5.379	113	56635	51.574	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.140%			
50) Toluene-d8	8.647	98	186909	49.176	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.360%			
62) 4-Bromofluorobenzene	11.079	95	72578	49.782	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23506	17.346	ug/l	98
3) Chloromethane	1.307	50	22102	16.819	ug/l	97
4) Vinyl Chloride	1.374	62	20532	16.788	ug/l	100
5) Bromomethane	1.599	94	9622	16.962	ug/l	95
6) Chloroethane	1.672	64	12240	18.747	ug/l	100
7) Trichlorofluoromethane	1.880	101	33475	18.520	ug/l	99
8) Diethyl Ether	2.136	74	11538	18.751	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	20773	18.571	ug/l	96
10) Methyl Iodide	2.447	142	21976	16.603	ug/l	98
11) Tert butyl alcohol	2.971	59	24392	105.277	ug/l	99
12) 1,1-Dichloroethene	2.313	96	19219	18.307	ug/l	95
13) Acrolein	2.233	56	18773	71.147	ug/l	99
14) Allyl chloride	2.660	41	39924	19.898	ug/l	97
15) Acrylonitrile	3.062	53	69682	105.178	ug/l	99
16) Acetone	2.380	43	68714	103.827	ug/l	98
17) Carbon Disulfide	2.508	76	35508	14.267	ug/l	98
18) Methyl Acetate	2.703	43	40636	26.460	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	74489	20.238	ug/l	100
20) Methylene Chloride	2.788	84	22771	17.955	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	18972	17.970	ug/l	98
22) Diisopropyl ether	3.757	45	80074	20.661	ug/l	92
23) Vinyl Acetate	3.721	43	329548	96.677	ug/l	100
24) 1,1-Dichloroethane	3.605	63	43497	20.150	ug/l	97
25) 2-Butanone	4.556	43	102193	106.362	ug/l	100
26) 2,2-Dichloropropane	4.465	77	33061	19.568	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	24850	19.552	ug/l	99
28) Bromochloromethane	4.897	49	24218	23.308	ug/l	97
29) Tetrahydrofuran	5.001	42	61963	102.917	ug/l	99
30) Chloroform	5.086	83	46046	20.465	ug/l	98
31) Cyclohexane	5.464	56	34651	17.615	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39441	20.222	ug/l	99
36) 1,1-Dichloropropene	5.690	75	28111	19.052	ug/l	98
37) Ethyl Acetate	4.715	43	34443	18.894	ug/l	99
38) Carbon Tetrachloride	5.666	117	32524	19.619	ug/l	99
39) Methylcyclohexane	7.373	83	32861	17.300	ug/l	95
40) Benzene	6.031	78	85438	19.769	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046436.D
Acq On : 02 Jun 2025 11:37
Operator : JC/MD
Sample : VX0602WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 01:26:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	20917	21.935	ug/l		97
42) 1,2-Dichloroethane	6.086	62	38577	20.682	ug/l		99
43) Isopropyl Acetate	6.342	43	58295	20.962	ug/l		99
44) Trichloroethene	7.123	130	19980	19.209	ug/l		90
45) 1,2-Dichloropropane	7.427	63	22983	21.387	ug/l		100
46) Dibromomethane	7.580	93	17464	20.605	ug/l		99
47) Bromodichloromethane	7.818	83	35845	21.473	ug/l		96
48) Methyl methacrylate	7.690	41	29517	20.783	ug/l		98
49) 1,4-Dioxane	7.659	88	11669	432.714	ug/l		96
51) 4-Methyl-2-Pentanone	8.568	43	202459	109.676	ug/l		98
52) Toluene	8.714	92	52805	19.926	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	29318	19.759	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	33195	20.241	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	22250	21.294	ug/l		94
56) Ethyl methacrylate	9.116	69	34831	20.915	ug/l		98
57) 1,3-Dichloropropane	9.305	76	38891	20.724	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	93203	109.776	ug/l		99
59) 2-Hexanone	9.427	43	148658	108.850	ug/l		100
60) Dibromochloromethane	9.519	129	24578	21.418	ug/l		98
61) 1,2-Dibromoethane	9.604	107	22104	20.353	ug/l		99
64) Tetrachloroethene	9.269	164	18215	19.346	ug/l		97
65) Chlorobenzene	10.073	112	57059	19.590	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20532	20.644	ug/l		98
67) Ethyl Benzene	10.189	91	101823	19.832	ug/l		100
68) m/p-Xylenes	10.299	106	74323	39.580	ug/l		97
69) o-Xylene	10.640	106	37109	20.271	ug/l		97
70) Styrene	10.653	104	62853	20.959	ug/l		99
71) Bromoform	10.799	173	15441	20.679	ug/l	#	98
73) Isopropylbenzene	10.957	105	101234	20.645	ug/l		100
74) N-amyl acetate	10.842	43	48849	20.160	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35209	20.490	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	30830m	20.335	ug/l		
77) Bromobenzene	11.195	156	22658	19.903	ug/l		97
78) n-propylbenzene	11.299	91	115685	20.290	ug/l		100
79) 2-Chlorotoluene	11.360	91	72338	19.670	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	83916	20.484	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9016	19.361	ug/l		95
82) 4-Chlorotoluene	11.451	91	83537	20.483	ug/l		100
83) tert-Butylbenzene	11.713	119	84788	20.548	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	82965	19.999	ug/l		98
85) sec-Butylbenzene	11.890	105	104197	20.566	ug/l		99
86) p-Isopropyltoluene	12.006	119	84743	20.263	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	41522	19.985	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	41955	19.773	ug/l		98
89) n-Butylbenzene	12.329	91	72058	19.643	ug/l		100
90) Hexachloroethane	12.536	117	14875	20.189	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	42513	20.391	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8304	21.814	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	22410	18.714	ug/l		97
94) Hexachlorobutadiene	13.719	225	10496	20.069	ug/l		98
95) Naphthalene	13.774	128	86022	19.586	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	25111	20.323	ug/l		97

Sample Results: **VX046436.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046436.D
Acq On : 02 Jun 2025 11:37
Operator : JC/MD
Sample : VX0602WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 01:26:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

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

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

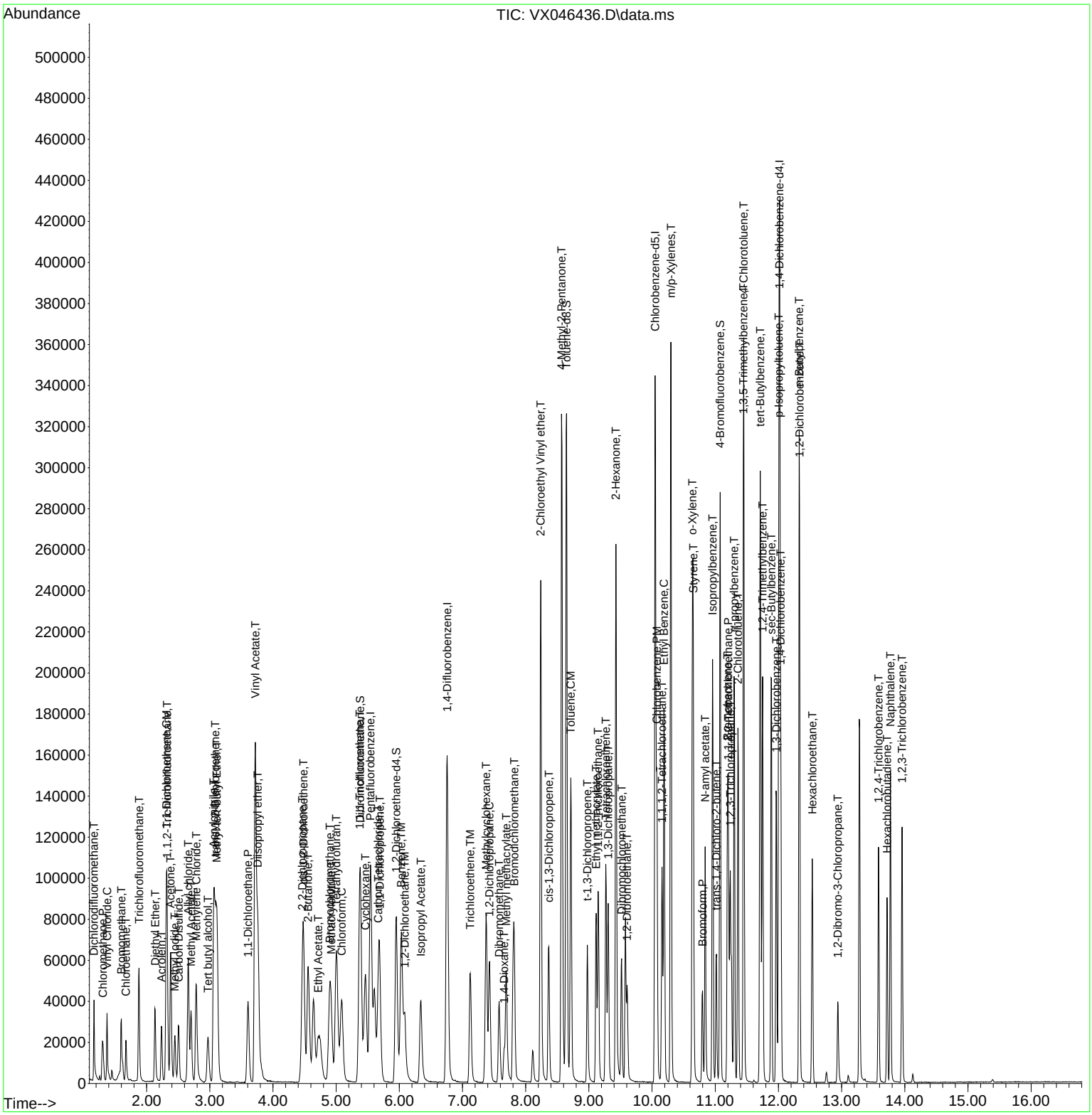
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046436.D
Acq On : 02 Jun 2025 11:37
Operator : JC/MD
Sample : VX0602WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 01:26:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Raw Data: **VY022513.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022513.D	1		06/03/25 11:15	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		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	20.8		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	20.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.2		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.2		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	21.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.8		0.91	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.0		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022513.D	1		06/03/25 11:15	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.6		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		70 (17) - 130 (146)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	7.707			
540-36-3	1,4-Difluorobenzene	338000	8.615			
3114-55-4	Chlorobenzene-d5	284000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.346			

Raw Data: **VY022513.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022513.D	1		06/03/25 11:15	VY060325

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\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	197612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	337632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110445	49.971	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.940%			
35) Dibromofluoromethane	7.634	113	102818	51.020	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.040%			
50) Toluene-d8	10.109	98	418973	51.452	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.407	95	118916	49.014	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39051	22.073	ug/l	95
3) Chloromethane	2.074	50	96334	18.431	ug/l	98
4) Vinyl Chloride	2.208	62	126140	20.803	ug/l	96
5) Bromomethane	2.592	94	117107	20.151	ug/l	98
6) Chloroethane	2.732	64	88804	21.338	ug/l	96
7) Trichlorofluoromethane	3.049	101	114182	22.182	ug/l	99
8) Diethyl Ether	3.458	74	24346	21.002	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	46051	21.242	ug/l	99
10) Methyl Iodide	4.007	142	43818	18.677	ug/l	100
11) Tert butyl alcohol	4.872	59	15349	97.233	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	43949	21.208	ug/l	95
13) Acrolein	3.653	56	20560	104.508	ug/l	97
14) Allyl chloride	4.391	41	67413	20.722	ug/l	98
15) Acrylonitrile	5.067	53	48448	98.683	ug/l	98
16) Acetone	3.872	43	64637	144.004	ug/l	97
17) Carbon Disulfide	4.110	76	138205	20.831	ug/l	100
18) Methyl Acetate	4.391	43	27356	20.581	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	118612	20.321	ug/l	96
20) Methylene Chloride	4.616	84	47160	18.497	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	47664	20.551	ug/l	98
22) Diisopropyl ether	6.018	45	150165	20.737	ug/l	95
23) Vinyl Acetate	5.963	43	425369	99.247	ug/l	100
24) 1,1-Dichloroethane	5.921	63	90453	21.203	ug/l	98
25) 2-Butanone	6.902	43	76024	117.421	ug/l	90
26) 2,2-Dichloropropane	6.884	77	81323	21.575	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	55057	20.538	ug/l	97
28) Bromochloromethane	7.244	49	39559	21.273	ug/l	96
29) Tetrahydrofuran	7.262	42	40474	96.924	ug/l	100
30) Chloroform	7.427	83	88966	21.055	ug/l	94
31) Cyclohexane	7.701	56	85871	20.219	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	79604	21.222	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66890	20.451	ug/l	99
37) Ethyl Acetate	6.994	43	28280	19.388	ug/l	97
38) Carbon Tetrachloride	7.817	117	67799	20.206	ug/l	95
39) Methylcyclohexane	9.109	83	87053	19.805	ug/l	98
40) Benzene	8.085	78	200164	20.720	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	15933	18.701	ug/l		96
42) 1,2-Dichloroethane	8.158	62	53923	20.443	ug/l		99
43) Isopropyl Acetate	8.201	43	60985	19.359	ug/l	#	87
44) Trichloroethene	8.865	130	50394	21.344	ug/l		95
45) 1,2-Dichloropropane	9.146	63	47626	20.860	ug/l		99
46) Dibromomethane	9.231	93	24877	19.368	ug/l		97
47) Bromodichloromethane	9.426	83	67673	20.778	ug/l		95
48) Methyl methacrylate	9.225	41	27658	18.707	ug/l		96
49) 1,4-Dioxane	9.237	88	5752	378.003	ug/l	#	89
51) 4-Methyl-2-Pentanone	9.999	43	150751	95.984	ug/l		100
52) Toluene	10.170	92	122301	20.145	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	60125	19.703	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	73109	20.581	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	33009	20.154	ug/l		95
56) Ethyl methacrylate	10.438	69	44052	18.609	ug/l		99
57) 1,3-Dichloropropane	10.719	76	57905	19.947	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	104791	97.502	ug/l		99
59) 2-Hexanone	10.761	43	113080	107.655	ug/l		99
60) Dibromochloromethane	10.908	129	41162	19.776	ug/l		99
61) 1,2-Dibromoethane	11.017	107	30056	20.134	ug/l		95
64) Tetrachloroethene	10.646	164	51847	21.203	ug/l		99
65) Chlorobenzene	11.444	112	127590	20.283	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.517	131	42827	20.210	ug/l		99
67) Ethyl Benzene	11.517	91	236274	20.251	ug/l		99
68) m/p-Xylenes	11.627	106	177595	40.152	ug/l		99
69) o-Xylene	11.956	106	83043	20.025	ug/l		99
70) Styrene	11.969	104	136395	19.898	ug/l		99
71) Bromoform	12.133	173	21024	18.644	ug/l	#	99
73) Isopropylbenzene	12.255	105	218088	20.130	ug/l		100
74) N-amyl acetate	12.072	43	51955	19.006	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33056	18.590	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	27133m	17.973	ug/l		
77) Bromobenzene	12.529	156	44250	19.355	ug/l		95
78) n-propylbenzene	12.596	91	268379	20.282	ug/l		100
79) 2-Chlorotoluene	12.682	91	140839	20.082	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	169137	19.885	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	12442	19.903	ug/l		92
82) 4-Chlorotoluene	12.779	91	144089	19.916	ug/l		100
83) tert-Butylbenzene	12.999	119	155396	20.356	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	167992	19.747	ug/l		100
85) sec-Butylbenzene	13.176	105	234207	20.032	ug/l		100
86) p-Isopropyltoluene	13.291	119	188849	19.596	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	89632	19.350	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	89737	19.974	ug/l		100
89) n-Butylbenzene	13.615	91	183570	20.077	ug/l		100
90) Hexachloroethane	13.883	117	38158	20.338	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	77708	19.759	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4880	18.850	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	40402	18.836	ug/l		97
94) Hexachlorobutadiene	15.023	225	23265	19.652	ug/l		99
95) Naphthalene	15.145	128	74961	18.211	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	35695	19.418	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

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

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

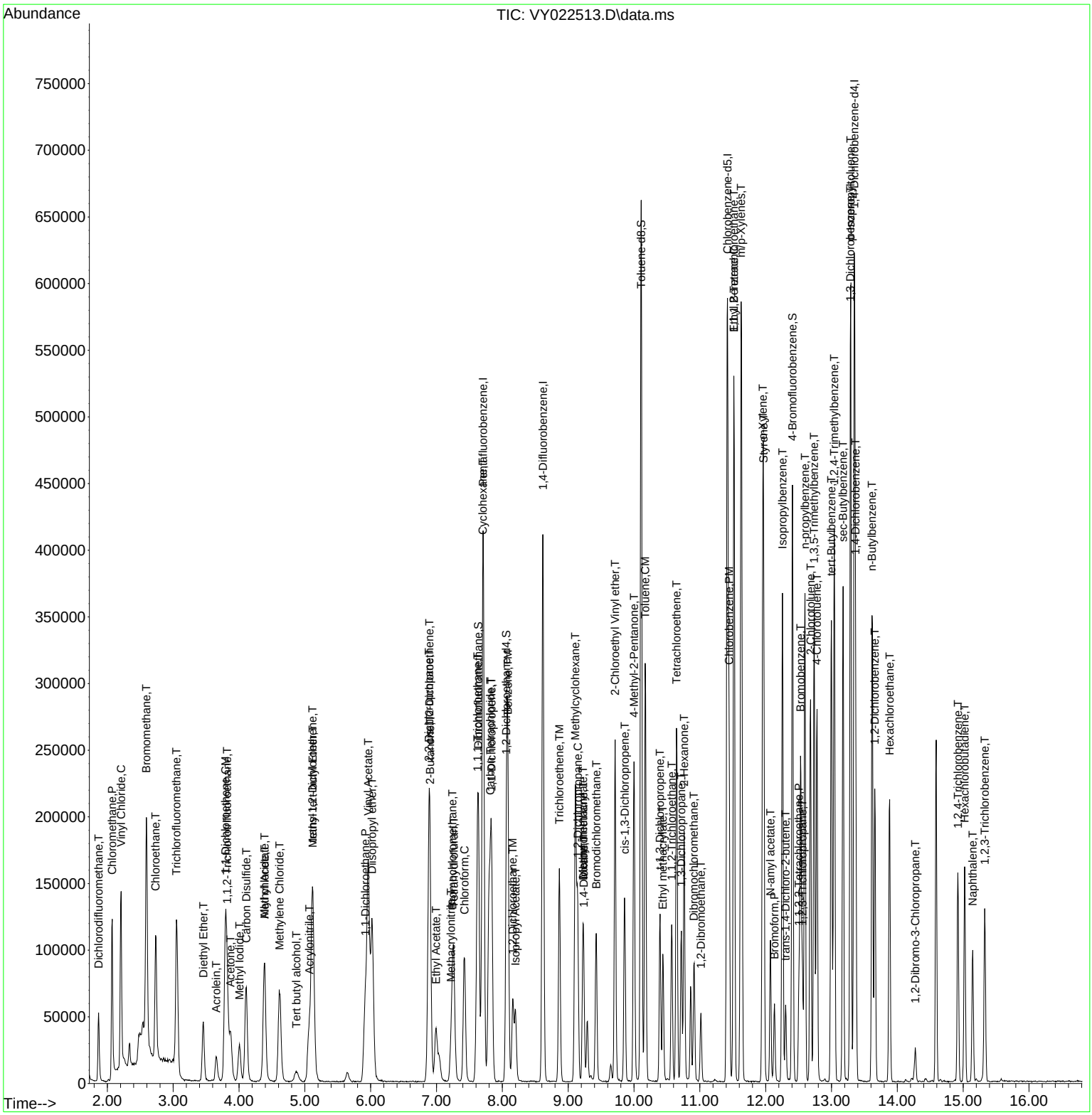
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



Raw Data: **VY022540.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0604SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022540.D	1		06/04/25 10:54	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.8		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	22.5		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	23.5		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.1		1.00	5.00	ug/Kg
67-64-1	Acetone	87.2		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.2		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.2		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.6		0.79	5.00	ug/Kg
78-93-3	2-Butanone	93.6		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	93.5		3.60	25.0	ug/Kg
108-88-3	Toluene	20.3		0.78	5.00	ug/Kg

Raw Data: **VY022540.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0604SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022540.D	1		06/04/25 10:54	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	91.6		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.7		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.5		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.4		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (63) - 130 (155)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		70 (70) - 130 (134)	107%	SPK: 50
2037-26-5	Toluene-d8	53.4		70 (74) - 130 (123)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		70 (17) - 130 (146)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	177000	7.707			
540-36-3	1,4-Difluorobenzene	307000	8.616			
3114-55-4	Chlorobenzene-d5	260000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.347			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0604SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022540.D	1		06/04/25 10:54	VY060425

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\VY060425\
Data File : VY022540.D
Acq On : 04 Jun 2025 10:54
Operator : SY/MD
Sample : VY0604SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 04:10:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	177182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	307142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	260223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	119650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106897	53.943	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.880%			
35) Dibromofluoromethane	7.634	113	97744	53.317	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.640%			
50) Toluene-d8	10.103	98	395544	53.397	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.800%			
62) 4-Bromofluorobenzene	12.402	95	114746	51.990	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	35026	22.080	ug/l	90
3) Chloromethane	2.068	50	88146	18.809	ug/l	100
4) Vinyl Chloride	2.202	62	119787	22.034	ug/l	96
5) Bromomethane	2.592	94	110721	21.249	ug/l	98
6) Chloroethane	2.733	64	84104	22.539	ug/l	92
7) Trichlorofluoromethane	3.044	101	108660	23.544	ug/l	94
8) Diethyl Ether	3.452	74	22203	21.362	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	39953	20.554	ug/l	100
10) Methyl Iodide	4.001	142	37260	17.713	ug/l	98
11) Tert butyl alcohol	4.860	59	14189	100.248	ug/l #	91
12) 1,1-Dichloroethene	3.787	96	39181	21.087	ug/l	98
13) Acrolein	3.653	56	18621	105.565	ug/l	99
14) Allyl chloride	4.379	41	59207	20.298	ug/l	100
15) Acrylonitrile	5.055	53	44556	101.220	ug/l	98
16) Acetone	3.867	43	35077	87.158	ug/l	94
17) Carbon Disulfide	4.104	76	121952	20.501	ug/l	99
18) Methyl Acetate	4.379	43	23786	19.959	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	105462	20.152	ug/l	100
20) Methylene Chloride	4.610	84	43768	19.146	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	42985	20.671	ug/l	95
22) Diisopropyl ether	6.019	45	135749	20.908	ug/l	98
23) Vinyl Acetate	5.958	43	382202	99.458	ug/l	99
24) 1,1-Dichloroethane	5.915	63	80929	21.158	ug/l	99
25) 2-Butanone	6.896	43	54351	93.626	ug/l	100
26) 2,2-Dichloropropane	6.884	77	68446	20.253	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	50930	21.189	ug/l	100
28) Bromochloromethane	7.244	49	34936	20.953	ug/l	99
29) Tetrahydrofuran	7.262	42	36518	97.534	ug/l	98
30) Chloroform	7.415	83	79864	21.080	ug/l	95
31) Cyclohexane	7.701	56	74481	19.559	ug/l	93
32) 1,1,1-Trichloroethane	7.610	97	71144	21.154	ug/l	99
36) 1,1-Dichloropropene	7.835	75	60956	20.487	ug/l	99
37) Ethyl Acetate	6.982	43	26561	20.018	ug/l	100
38) Carbon Tetrachloride	7.817	117	61082	20.012	ug/l	95
39) Methylcyclohexane	9.110	83	79839	19.967	ug/l	96
40) Benzene	8.079	78	182569	20.775	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022540.D
Acq On : 04 Jun 2025 10:54
Operator : SY/MD
Sample : VY0604SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 04:10:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.238	41	18097m	23.350 ug/l	
42) 1,2-Dichloroethane	8.152	62	48113	20.051 ug/l	99
43) Isopropyl Acetate	8.195	43	54608	19.056 ug/l	99
44) Trichloroethene	8.866	130	43493	20.250 ug/l	100
45) 1,2-Dichloropropane	9.140	63	43797	21.087 ug/l	99
46) Dibromomethane	9.231	93	23454	20.073 ug/l	98
47) Bromodichloromethane	9.420	83	61994	20.924 ug/l	97
48) Methyl methacrylate	9.219	41	25682	19.095 ug/l	99
49) 1,4-Dioxane	9.231	88	5502	397.467 ug/l #	94
51) 4-Methyl-2-Pentanone	10.000	43	133612	93.517 ug/l	98
52) Toluene	10.170	92	111969	20.274 ug/l	98
53) t-1,3-Dichloropropene	10.396	75	54358	19.581 ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	65573	20.292 ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	28750	19.296 ug/l	91
56) Ethyl methacrylate	10.439	69	41087	19.080 ug/l	99
57) 1,3-Dichloropropane	10.719	76	52232	19.779 ug/l	95
58) 2-Chloroethyl Vinyl ether	9.707	63	96419	98.618 ug/l	100
59) 2-Hexanone	10.762	43	87540	91.614 ug/l	100
60) Dibromochloromethane	10.908	129	37312	19.706 ug/l	98
61) 1,2-Dibromoethane	11.018	107	27846	20.505 ug/l	96
64) Tetrachloroethene	10.646	164	46715	20.869 ug/l	97
65) Chlorobenzene	11.438	112	117493	20.404 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	38244	19.715 ug/l	98
67) Ethyl Benzene	11.518	91	210828	19.739 ug/l	100
68) m/p-Xylenes	11.627	106	157542	38.910 ug/l	99
69) o-Xylene	11.950	106	75325	19.843 ug/l	99
70) Styrene	11.969	104	122002	19.443 ug/l	99
71) Bromoform	12.133	173	19189	18.589 ug/l #	96
73) Isopropylbenzene	12.255	105	194422	19.792 ug/l	100
74) N-amyl acetate	12.066	43	46408	18.723 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	30021	18.621 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	27817m	20.322 ug/l	
77) Bromobenzene	12.530	156	41454	19.998 ug/l	98
78) n-propylbenzene	12.591	91	237604	19.804 ug/l	98
79) 2-Chlorotoluene	12.676	91	128467	20.202 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	154233	19.999 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	10650	18.789 ug/l	98
82) 4-Chlorotoluene	12.773	91	129597	19.756 ug/l	98
83) tert-Butylbenzene	12.999	119	138927	20.071 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	154558	20.038 ug/l	100
85) sec-Butylbenzene	13.176	105	210444	19.851 ug/l	99
86) p-Isopropyltoluene	13.292	119	169354	19.381 ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	83524	19.887 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	81311	19.960 ug/l	99
89) n-Butylbenzene	13.615	91	167479	20.202 ug/l	99
90) Hexachloroethane	13.877	117	33527	19.708 ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	71253	19.982 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	4574	19.486 ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	41052	21.108 ug/l	97
94) Hexachlorobutadiene	15.023	225	23044	21.468 ug/l	97
95) Naphthalene	15.145	128	73656	19.736 ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	34247	20.547 ug/l	99

Sample Results: **VY022540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022540.D
Acq On : 04 Jun 2025 10:54
Operator : SY/MD
Sample : VY0604SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 04:10:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

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

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

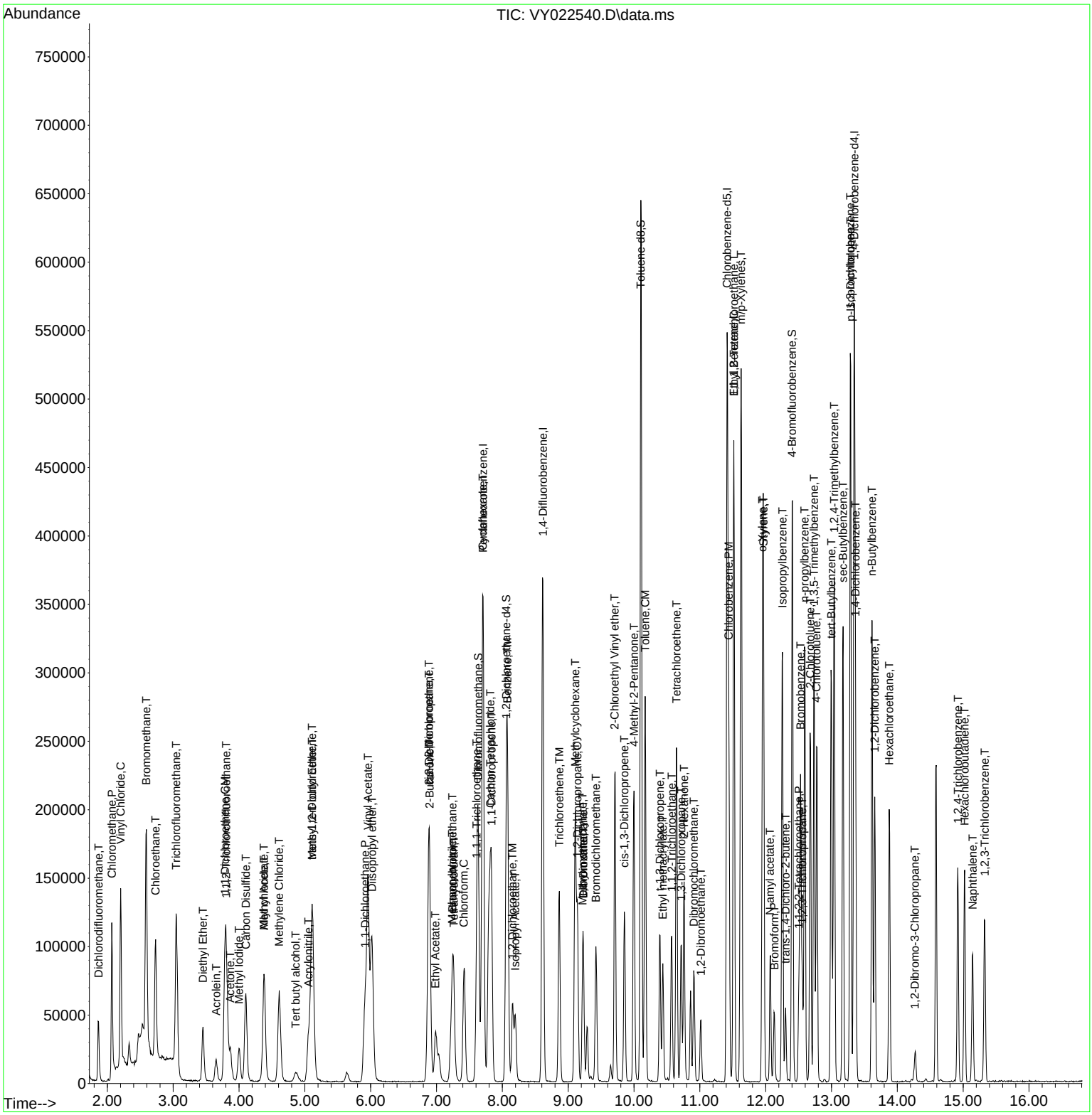
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022540.D
Acq On : 04 Jun 2025 10:54
Operator : SY/MD
Sample : VY0604SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 04:10:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



Raw Data: **VY022562.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0605SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022562.D	1		06/05/25 09:41	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.8		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	23.0		1.10	5.00	ug/Kg
75-00-3	Chloroethane	24.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	25.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.2		1.00	5.00	ug/Kg
67-64-1	Acetone	94.2		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.2		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.0		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	20.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	97.2		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	ug/Kg

Raw Data: **VY022562.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0605SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022562.D	1		06/05/25 09:41	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		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	19.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	95.8		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.4		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.1		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.2		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		70 (63) - 130 (155)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (17) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	186000	7.707			
540-36-3	1,4-Difluorobenzene	320000	8.616			
3114-55-4	Chlorobenzene-d5	265000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.346			

Raw Data: **VY022562.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0605SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022562.D	1		06/05/25 09:41	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY022562.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022562.D
Acq On : 05 Jun 2025 09:41
Operator : SY/MD
Sample : VY0605SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 01:19:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	185960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	319893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	265176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	103268	49.651	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.300%			
35) Dibromofluoromethane	7.634	113	96100	50.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.660%			
50) Toluene-d8	10.103	98	389337	50.464	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.920%			
62) 4-Bromofluorobenzene	12.401	95	110996	48.286	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	35934	21.583	ug/l	98
3) Chloromethane	2.068	50	97474	19.818	ug/l	98
4) Vinyl Chloride	2.202	62	137361	24.074	ug/l	100
5) Bromomethane	2.586	94	125584	22.963	ug/l	97
6) Chloroethane	2.732	64	94921	24.237	ug/l	97
7) Trichlorofluoromethane	3.043	101	124470	25.696	ug/l	95
8) Diethyl Ether	3.452	74	22768	20.872	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	42895	21.026	ug/l	99
10) Methyl Iodide	4.001	142	38996	17.663	ug/l	99
11) Tert butyl alcohol	4.866	59	15000	100.976	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	41284	21.170	ug/l	96
13) Acrolein	3.653	56	17449	94.252	ug/l	98
14) Allyl chloride	4.372	41	62719	20.487	ug/l	98
15) Acrylonitrile	5.055	53	45665	98.843	ug/l	98
16) Acetone	3.873	43	39774	94.164	ug/l	98
17) Carbon Disulfide	4.104	76	129036	20.668	ug/l	99
18) Methyl Acetate	4.391	43	23837	19.057	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	112178	20.423	ug/l	94
20) Methylene Chloride	4.610	84	51654	21.529	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	46025	21.088	ug/l	94
22) Diisopropyl ether	6.018	45	142095	20.852	ug/l	97
23) Vinyl Acetate	5.957	43	408238	101.218	ug/l	99
24) 1,1-Dichloroethane	5.909	63	85887	21.395	ug/l	99
25) 2-Butanone	6.896	43	61458	100.871	ug/l	94
26) 2,2-Dichloropropane	6.884	77	74884	21.112	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	53578	21.239	ug/l	99
28) Bromochloromethane	7.238	49	34931	19.961	ug/l	99
29) Tetrahydrofuran	7.262	42	38399	97.717	ug/l	98
30) Chloroform	7.421	83	84488	21.248	ug/l	96
31) Cyclohexane	7.701	56	79881	19.987	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	74288	21.046	ug/l	97
36) 1,1-Dichloropropene	7.835	75	63932	20.630	ug/l	99
37) Ethyl Acetate	6.982	43	28467	20.599	ug/l	98
38) Carbon Tetrachloride	7.817	117	65817	20.703	ug/l	97
39) Methylcyclohexane	9.109	83	83418	20.031	ug/l	97
40) Benzene	8.079	78	191373	20.908	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022562.D
Acq On : 05 Jun 2025 09:41
Operator : SY/MD
Sample : VY0605SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 01:19:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	13605	16.854	ug/l		87
42) 1,2-Dichloroethane	8.158	62	52311	20.932	ug/l		99
43) Isopropyl Acetate	8.201	43	59989	20.099	ug/l		100
44) Trichloroethene	8.866	130	46117	20.615	ug/l		94
45) 1,2-Dichloropropane	9.140	63	45262	20.924	ug/l		99
46) Dibromomethane	9.231	93	24460	20.099	ug/l		99
47) Bromodichloromethane	9.420	83	64131	20.783	ug/l		100
48) Methyl methacrylate	9.219	41	26124	18.649	ug/l		98
49) 1,4-Dioxane	9.231	88	5680	393.970	ug/l		88
51) 4-Methyl-2-Pentanone	9.999	43	144633	97.196	ug/l		98
52) Toluene	10.170	92	118135	20.538	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	56828	19.655	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	68811	20.445	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	30617	19.730	ug/l		96
56) Ethyl methacrylate	10.438	69	42048	18.748	ug/l		96
57) 1,3-Dichloropropane	10.713	76	54317	19.749	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	99909	98.114	ug/l		99
59) 2-Hexanone	10.755	43	95337	95.797	ug/l		98
60) Dibromochloromethane	10.908	129	39626	20.094	ug/l		98
61) 1,2-Dibromoethane	11.011	107	28445	20.112	ug/l		98
64) Tetrachloroethene	10.646	164	46452	20.364	ug/l		98
65) Chlorobenzene	11.438	112	122017	20.794	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	39130	19.795	ug/l		96
67) Ethyl Benzene	11.517	91	220134	20.226	ug/l		97
68) m/p-Xylenes	11.627	106	164620	39.899	ug/l		100
69) o-Xylene	11.950	106	77686	20.082	ug/l		100
70) Styrene	11.969	104	126313	19.754	ug/l		98
71) Bromoform	12.127	173	20908	19.876	ug/l	#	98
73) Isopropylbenzene	12.249	105	207625	20.870	ug/l		99
74) N-amyl acetate	12.072	43	48535	19.335	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33569	20.559	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	28455m	20.526	ug/l		
77) Bromobenzene	12.529	156	41906	19.961	ug/l		99
78) n-propylbenzene	12.590	91	249452	20.530	ug/l		100
79) 2-Chlorotoluene	12.676	91	131777	20.462	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	158482	20.291	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	10424	18.159	ug/l		95
82) 4-Chlorotoluene	12.773	91	133141	20.041	ug/l		99
83) tert-Butylbenzene	12.993	119	146274	20.867	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	158008	20.227	ug/l		100
85) sec-Butylbenzene	13.176	105	220482	20.537	ug/l		100
86) p-Isopropyltoluene	13.292	119	175127	19.790	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	86453	20.325	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	83523	20.246	ug/l		99
89) n-Butylbenzene	13.615	91	170632	20.323	ug/l		100
90) Hexachloroethane	13.877	117	36555	21.218	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	70965	19.651	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4326	18.198	ug/l		92
93) 1,2,4-Trichlorobenzene	14.919	180	38134	19.361	ug/l		98
94) Hexachlorobutadiene	15.023	225	21255	19.552	ug/l		100
95) Naphthalene	15.139	128	69356	18.350	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	32110	19.023	ug/l		98

Sample Results: **VY022562.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022562.D
Acq On : 05 Jun 2025 09:41
Operator : SY/MD
Sample : VY0605SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 01:19:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBS01

Manual Integrations APPROVED

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

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

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

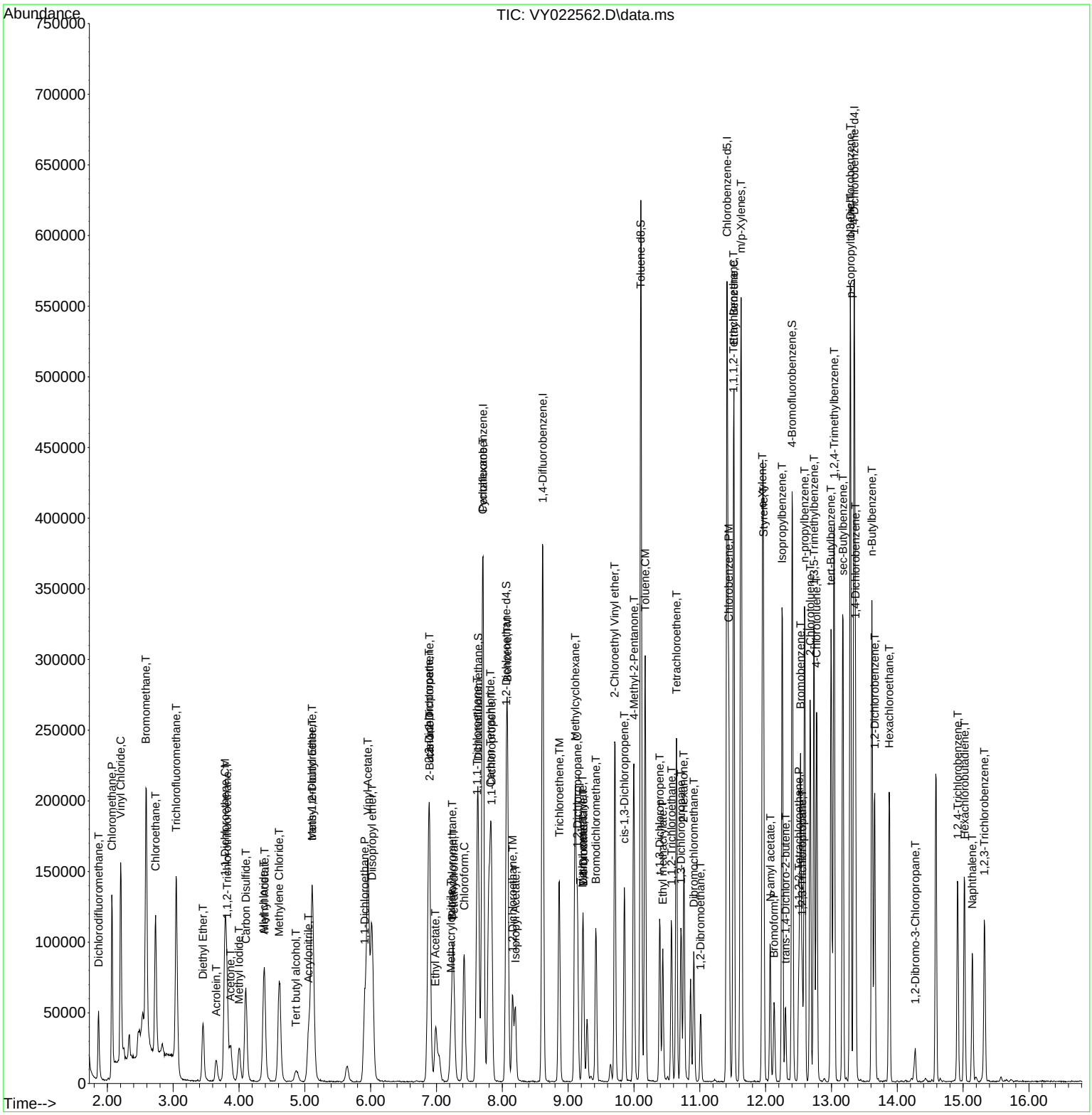
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022562.D
Acq On : 05 Jun 2025 09:41
Operator : SY/MD
Sample : VY0605SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 01:19:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBS01

Manual Integrations APPROVED

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



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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBSD01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046437.D	1		06/02/25 12:04	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.2		0.22	1.00	ug/L
74-87-3	Chloromethane	16.9		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.26	1.00	ug/L
74-83-9	Bromomethane	17.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.3		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	14.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	27.2		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.8		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.6		0.22	1.00	ug/L
67-66-3	Chloroform	20.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.2		0.16	1.00	ug/L
71-43-2	Benzene	19.7		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.9		0.14	1.00	ug/L

Raw Data: **VX046437.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBSD01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046437.D	1		06/02/25 12:04	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.8		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.7		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.2		0.24	2.00	ug/L
95-47-6	o-Xylene	20.6		0.12	1.00	ug/L
100-42-5	Styrene	20.9		0.15	1.00	ug/L
75-25-2	Bromoform	20.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.1		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.0		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.6		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.5		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	82800	5.544			
540-36-3	1,4-Difluorobenzene	146000	6.757			
3114-55-4	Chlorobenzene-d5	127000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	61200	12.018			

Raw Data: **VX046437.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBSD01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046437.D	1		06/02/25 12:04	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VX046437.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046437.D
Acq On : 02 Jun 2025 12:04
Operator : JC/MD
Sample : VX0602WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 01:27:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	82810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146139	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77318	50.081	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.160%			
35) Dibromofluoromethane	5.379	113	53402	50.745	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.500%			
50) Toluene-d8	8.647	98	175829	48.274	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.540%			
62) 4-Bromofluorobenzene	11.079	95	69734	49.912	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21746	17.157	ug/l	96
3) Chloromethane	1.300	50	20739	16.873	ug/l	98
4) Vinyl Chloride	1.374	62	19031	16.636	ug/l	98
5) Bromomethane	1.593	94	9131	17.210	ug/l	96
6) Chloroethane	1.672	64	11190	18.324	ug/l	94
7) Trichlorofluoromethane	1.880	101	30644	18.126	ug/l	98
8) Diethyl Ether	2.130	74	11118	19.318	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	20067	19.180	ug/l	98
10) Methyl Iodide	2.447	142	21463	17.337	ug/l	99
11) Tert butyl alcohol	2.977	59	24436	112.760	ug/l	100
12) 1,1-Dichloroethene	2.312	96	17640	17.965	ug/l	98
13) Acrolein	2.233	56	15917	64.494	ug/l	98
14) Allyl chloride	2.654	41	37372	19.914	ug/l	95
15) Acrylonitrile	3.062	53	67541	108.996	ug/l	98
16) Acetone	2.380	43	64858	104.777	ug/l	98
17) Carbon Disulfide	2.501	76	32688	14.042	ug/l	100
18) Methyl Acetate	2.703	43	39060	27.193	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	71829	20.865	ug/l	98
20) Methylene Chloride	2.782	84	22268	18.772	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	18157	18.387	ug/l	98
22) Diisopropyl ether	3.757	45	77571	21.399	ug/l	99
23) Vinyl Acetate	3.715	43	315651	99.003	ug/l	99
24) 1,1-Dichloroethane	3.605	63	40837	20.226	ug/l	98
25) 2-Butanone	4.556	43	98209	109.283	ug/l	100
26) 2,2-Dichloropropane	4.458	77	31191	19.737	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	23607	19.859	ug/l	99
28) Bromochloromethane	4.891	49	22980	23.645	ug/l	97
29) Tetrahydrofuran	5.007	42	60045	106.628	ug/l	99
30) Chloroform	5.086	83	43797	20.812	ug/l	97
31) Cyclohexane	5.458	56	32380	17.599	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	35925	19.693	ug/l	99
36) 1,1-Dichloropropene	5.684	75	26070	18.438	ug/l	99
37) Ethyl Acetate	4.708	43	35515	20.330	ug/l	99
38) Carbon Tetrachloride	5.665	117	30583	19.250	ug/l	99
39) Methylcyclohexane	7.373	83	31246	17.165	ug/l	95
40) Benzene	6.031	78	81525	19.685	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046437.D
Acq On : 02 Jun 2025 12:04
Operator : JC/MD
Sample : VX0602WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 01:27:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	20414	22.339	ug/l		97
42) 1,2-Dichloroethane	6.086	62	37186	20.804	ug/l		99
43) Isopropyl Acetate	6.336	43	57875	21.716	ug/l		98
44) Trichloroethene	7.123	130	19271	19.333	ug/l		98
45) 1,2-Dichloropropane	7.427	63	21507	20.884	ug/l		95
46) Dibromomethane	7.580	93	16653	20.503	ug/l		98
47) Bromodichloromethane	7.818	83	33339	20.840	ug/l		98
48) Methyl methacrylate	7.690	41	29111	21.388	ug/l		99
49) 1,4-Dioxane	7.659	88	11361	439.619	ug/l		97
51) 4-Methyl-2-Pentanone	8.567	43	197330	111.548	ug/l		99
52) Toluene	8.714	92	50495	19.884	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	28257	19.872	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	31769	20.214	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	21613	21.584	ug/l		98
56) Ethyl methacrylate	9.116	69	33611	21.060	ug/l		98
57) 1,3-Dichloropropane	9.305	76	37495	20.850	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	91268	112.173	ug/l		99
59) 2-Hexanone	9.427	43	148362	113.359	ug/l		98
60) Dibromochloromethane	9.518	129	23696	21.547	ug/l		97
61) 1,2-Dibromoethane	9.610	107	21686	20.837	ug/l		95
64) Tetrachloroethene	9.269	164	16548	18.393	ug/l		95
65) Chlorobenzene	10.073	112	54830	19.700	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19447	20.462	ug/l		94
67) Ethyl Benzene	10.189	91	97860	19.947	ug/l		97
68) m/p-Xylenes	10.299	106	72052	40.155	ug/l		99
69) o-Xylene	10.640	106	36064	20.616	ug/l		99
70) Styrene	10.652	104	59838	20.881	ug/l		99
71) Bromoform	10.799	173	14851	20.813	ug/l	#	100
73) Isopropylbenzene	10.957	105	96376	20.220	ug/l		100
74) N-amyl acetate	10.841	43	48582	20.627	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	35883	21.483	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	30157m	20.464	ug/l		
77) Bromobenzene	11.195	156	21867	19.761	ug/l		98
78) n-propylbenzene	11.299	91	110640	19.964	ug/l		99
79) 2-Chlorotoluene	11.360	91	70031	19.591	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	81777	20.537	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8400	18.558	ug/l		91
82) 4-Chlorotoluene	11.451	91	79959	20.171	ug/l		100
83) tert-Butylbenzene	11.713	119	82089	20.466	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	81564	20.227	ug/l		100
85) sec-Butylbenzene	11.890	105	100143	20.335	ug/l		100
86) p-Isopropyltoluene	12.006	119	83098	20.442	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	40612	20.110	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	41136	19.945	ug/l		98
89) n-Butylbenzene	12.329	91	71109	19.942	ug/l		99
90) Hexachloroethane	12.536	117	13973	19.511	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	42614	21.028	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7991	21.596	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	22846	19.628	ug/l		100
94) Hexachlorobutadiene	13.725	225	10419	20.495	ug/l		98
95) Naphthalene	13.774	128	83641	19.592	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	24644	20.519	ug/l		99

Sample Results: **VX046437.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046437.D
Acq On : 02 Jun 2025 12:04
Operator : JC/MD
Sample : VX0602WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 01:27:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

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

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

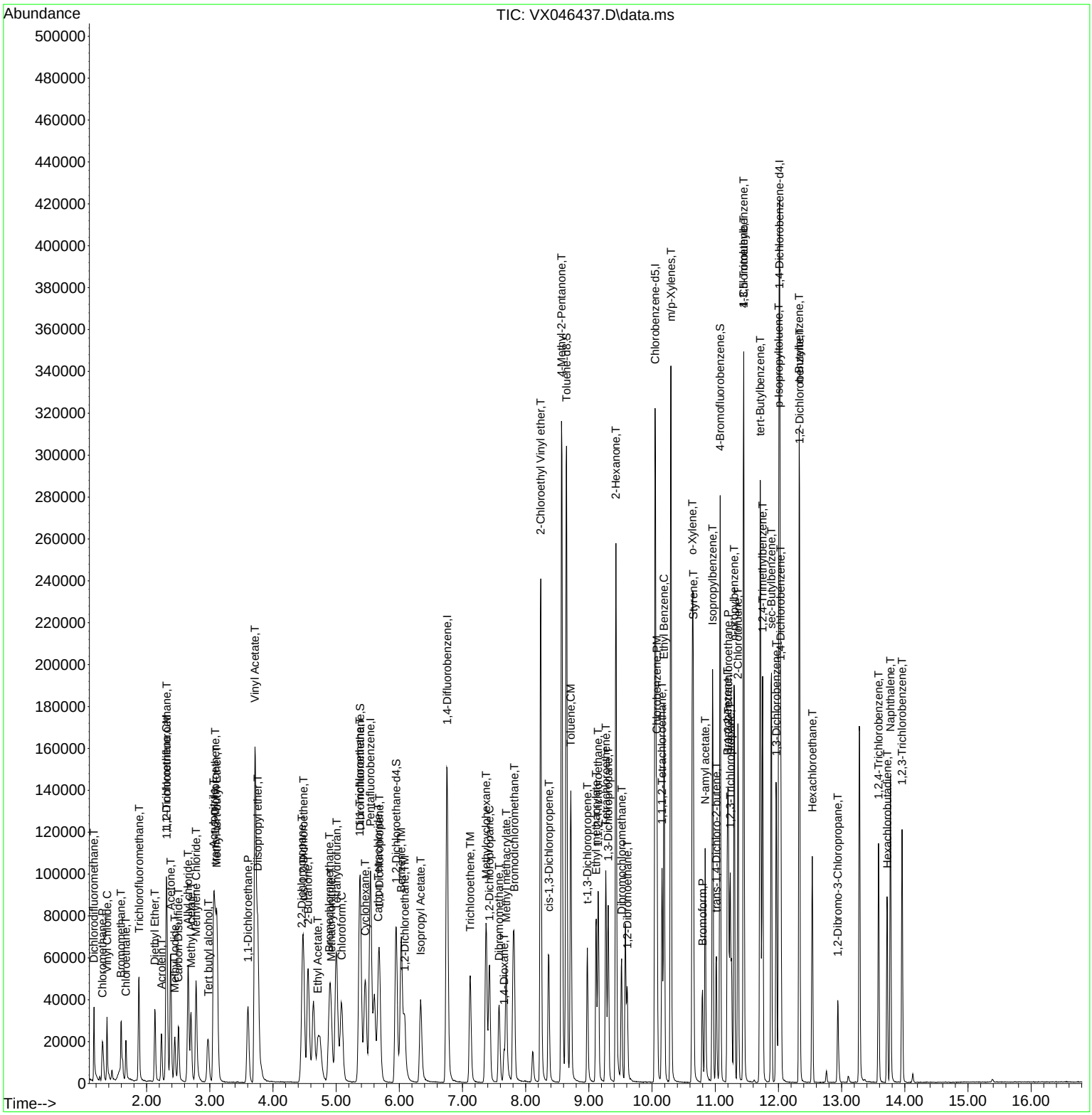
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046437.D
Acq On : 02 Jun 2025 12:04
Operator : JC/MD
Sample : VX0602WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 01:27:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Raw Data: **VY022514.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBSD01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022514.D	1		06/03/25 11:38	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.6		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.7		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.5		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.3		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	21.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.7		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	21.4		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.8		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.6		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	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	21.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.7		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.9		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	ug/Kg

Raw Data: **VY022514.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBSD01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022514.D	1		06/03/25 11:38	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	98.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.2		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.0		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.5		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.9		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.9		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.3		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	52.6		70 (74) - 130 (123)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (17) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	7.707			
540-36-3	1,4-Difluorobenzene	334000	8.616			
3114-55-4	Chlorobenzene-d5	277000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.346			

Raw Data: **VY022514.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBSD01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022514.D	1		06/03/25 11:38	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY022514.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	196295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	333757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	111211	50.655	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.320%			
35) Dibromofluoromethane	7.634	113	102540	51.473	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.940%			
50) Toluene-d8	10.109	98	423577	52.622	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.240%			
62) 4-Bromofluorobenzene	12.408	95	120123	50.086	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39450	22.448	ug/l	92
3) Chloromethane	2.068	50	115283	22.204	ug/l	98
4) Vinyl Chloride	2.202	62	133679	22.195	ug/l	98
5) Bromomethane	2.592	94	122385	21.200	ug/l	99
6) Chloroethane	2.732	64	89448	21.637	ug/l	96
7) Trichlorofluoromethane	3.049	101	108350	21.191	ug/l	98
8) Diethyl Ether	3.458	74	24283	21.088	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	43506	20.203	ug/l	97
10) Methyl Iodide	4.007	142	46266	19.853	ug/l	100
11) Tert butyl alcohol	4.872	59	16220	103.440	ug/l #	73
12) 1,1-Dichloroethene	3.787	96	44732	21.731	ug/l	97
13) Acrolein	3.659	56	20248	103.612	ug/l	95
14) Allyl chloride	4.385	41	66730	20.650	ug/l	98
15) Acrylonitrile	5.055	53	47639	97.686	ug/l	96
16) Acetone	3.879	43	51428	115.345	ug/l	98
17) Carbon Disulfide	4.104	76	140692	21.348	ug/l	99
18) Methyl Acetate	4.391	43	25743	19.498	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	118588	20.454	ug/l	97
20) Methylene Chloride	4.616	84	48900	19.308	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	48144	20.897	ug/l	98
22) Diisopropyl ether	6.018	45	152316	21.175	ug/l	99
23) Vinyl Acetate	5.964	43	430636	101.150	ug/l	99
24) 1,1-Dichloroethane	5.915	63	89303	21.074	ug/l	98
25) 2-Butanone	6.896	43	69185	107.575	ug/l	99
26) 2,2-Dichloropropane	6.890	77	80364	21.464	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	57093	21.440	ug/l	99
28) Bromochloromethane	7.250	49	38497	20.841	ug/l	99
29) Tetrahydrofuran	7.262	42	39069	94.187	ug/l	97
30) Chloroform	7.421	83	90558	21.576	ug/l	98
31) Cyclohexane	7.707	56	83149	19.710	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	78839	21.159	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67396	20.845	ug/l	100
37) Ethyl Acetate	6.988	43	29632	20.551	ug/l	99
38) Carbon Tetrachloride	7.817	117	69195	20.862	ug/l	97
39) Methylcyclohexane	9.109	83	88301	20.323	ug/l	98
40) Benzene	8.079	78	200930	21.041	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	15352m	18.228	ug/l		
42) 1,2-Dichloroethane	8.164	62	54776	21.007	ug/l		98
43) Isopropyl Acetate	8.201	43	61432	19.728	ug/l		98
44) Trichloroethene	8.866	130	50293	21.548	ug/l		90
45) 1,2-Dichloropropane	9.140	63	46638	20.665	ug/l		99
46) Dibromomethane	9.231	93	25459	20.051	ug/l		98
47) Bromodichloromethane	9.420	83	67575	20.989	ug/l		100
48) Methyl methacrylate	9.225	41	28959	19.815	ug/l		98
49) 1,4-Dioxane	9.237	88	5727	380.729	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	150410	96.879	ug/l		100
52) Toluene	10.170	92	123263	20.539	ug/l		96
53) t-1,3-Dichloropropene	10.396	75	60064	19.911	ug/l		94
54) cis-1,3-Dichloropropene	9.859	75	71904	20.477	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	33397	20.628	ug/l		92
56) Ethyl methacrylate	10.438	69	45653	19.510	ug/l		98
57) 1,3-Dichloropropane	10.719	76	58164	20.269	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	110692	104.188	ug/l		99
59) 2-Hexanone	10.762	43	102187	98.414	ug/l		99
60) Dibromochloromethane	10.908	129	41567	20.203	ug/l		100
61) 1,2-Dibromoethane	11.018	107	29473	19.973	ug/l		98
64) Tetrachloroethene	10.646	164	50817	21.307	ug/l		96
65) Chlorobenzene	11.438	112	129702	21.140	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	43105	20.856	ug/l		99
67) Ethyl Benzene	11.517	91	236352	20.770	ug/l		99
68) m/p-Xylenes	11.627	106	178031	41.269	ug/l		99
69) o-Xylene	11.956	106	83649	20.682	ug/l		100
70) Styrene	11.969	104	137611	20.583	ug/l		99
71) Bromoform	12.133	173	21869	19.883	ug/l	#	99
73) Isopropylbenzene	12.255	105	220201	21.105	ug/l		100
74) N-amyl acetate	12.072	43	52673	20.008	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34208	19.977	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	26292m	18.084	ug/l		
77) Bromobenzene	12.529	156	46055	20.918	ug/l		100
78) n-propylbenzene	12.597	91	269951	21.184	ug/l		99
79) 2-Chlorotoluene	12.682	91	142085	21.037	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	170919	20.866	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	11460	19.036	ug/l		95
82) 4-Chlorotoluene	12.779	91	141886	20.364	ug/l		96
83) tert-Butylbenzene	12.999	119	156660	21.309	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	170782	20.846	ug/l		99
85) sec-Butylbenzene	13.176	105	235402	20.907	ug/l		99
86) p-Isopropyltoluene	13.292	119	190486	20.525	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	91645	20.544	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	89601	20.709	ug/l		99
89) n-Butylbenzene	13.615	91	189125	21.478	ug/l		99
90) Hexachloroethane	13.877	117	38174	21.128	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	79301	20.938	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4844	19.429	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	43264	20.945	ug/l		99
94) Hexachlorobutadiene	15.023	225	23654	20.747	ug/l		99
95) Naphthalene	15.145	128	76972	19.418	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	35926	20.294	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

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

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

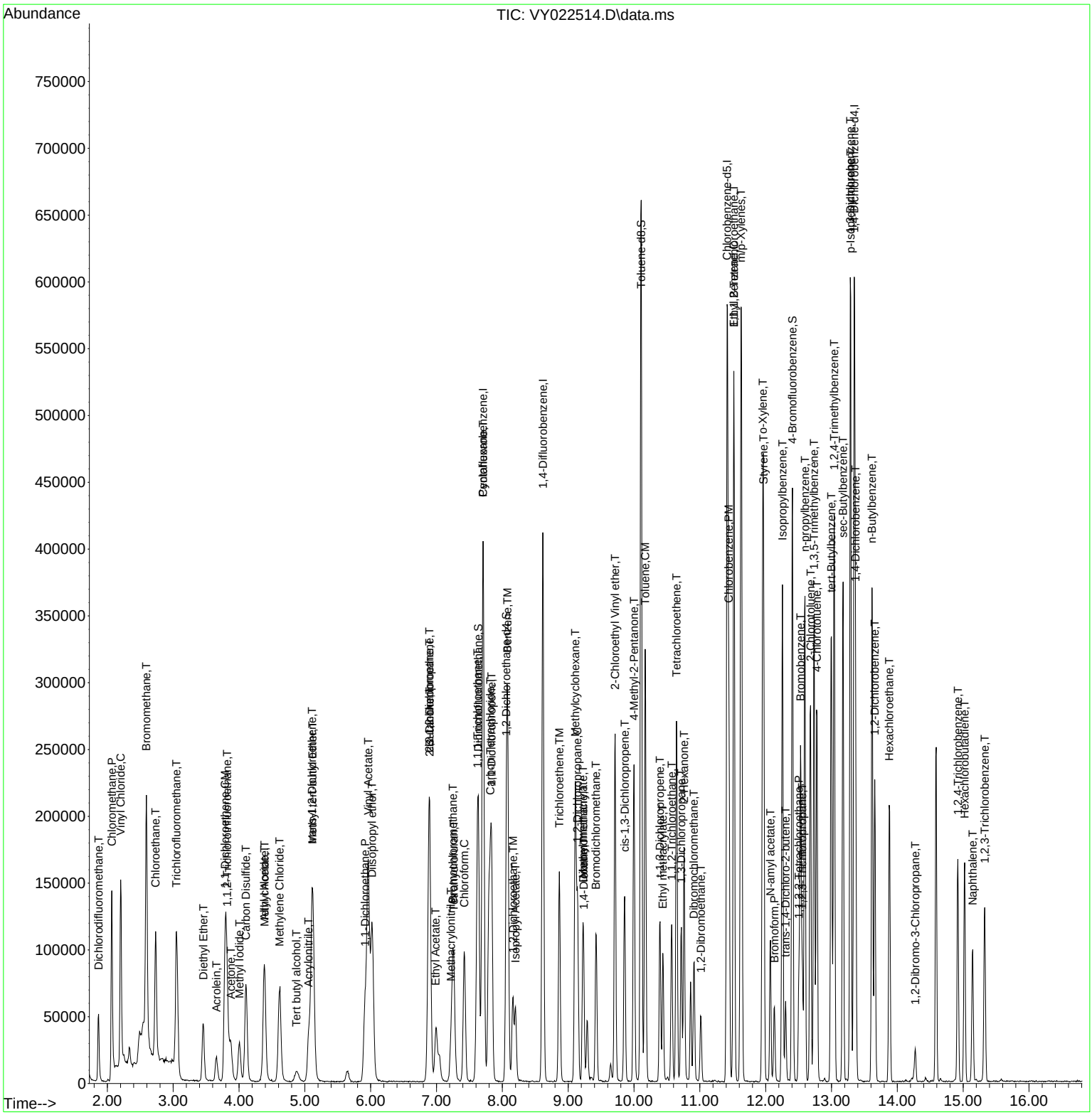
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



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Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX046041.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:13 AM	MMDadoda	5/6/2025 12:42:46 PM	Peak Integrated by Software
VSTDICCC050	VX046042.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:18 AM	MMDadoda	5/6/2025 12:42:48 PM	Peak Integrated by Software
VSTDICC100	VX046043.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:22 AM	MMDadoda	5/6/2025 12:42:50 PM	Peak Integrated by Software
VSTDICC150	VX046044.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:27 AM	MMDadoda	5/6/2025 12:42:53 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	Ethyl Acetate	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,4-Dichlorobenzene	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Bromochloromethane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Ethyl Acetate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Methyl methacrylate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICV050	VX046048.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:45 AM	MMDadoda	5/6/2025 12:41:37 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

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

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Manual Integration Report

Sequence:	VX060225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046433.D	1,2,3-Trichloropropane	JOHN	6/3/2025 9:35:42 AM	MMDadoda	6/3/2025 2:37:30 PM	Peak Integrated by Software
VX0602WBS01	VX046436.D	1,2,3-Trichloropropane	JOHN	6/3/2025 9:35:46 AM	MMDadoda	6/3/2025 2:37:32 PM	Peak Integrated by Software
VX0602WBSD01	VX046437.D	1,2,3-Trichloropropane	JOHN	6/3/2025 9:35:50 AM	MMDadoda	6/3/2025 2:37:33 PM	Peak Integrated by Software
VSTDCCC050	VX046458.D	1,2,3-Trichloropropane	JOHN	6/3/2025 9:36:15 AM	MMDadoda	6/3/2025 2:37:49 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022491.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	1,4-Dioxane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	Ethyl Acetate	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Dibromomethane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Methacrylonitrile	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC020	VY022493.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:00 AM	MMDadoda	6/3/2025 2:38:17 PM	Peak Integrated by Software
VSTDICCC050	VY022494.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:05 AM	MMDadoda	6/3/2025 2:38:19 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	Methacrylonitrile	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC150	VY022496.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:09 AM	MMDadoda	6/3/2025 2:38:22 PM	Peak Integrated by Software
VSTDICV050	VY022498.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:42 AM	MMDadoda	6/3/2025 2:38:25 PM	Peak Integrated by Software
VSTDCCC050	VY022509.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:27:00 AM	MMDadoda	6/3/2025 2:38:29 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

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

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Manual Integration Report

Sequence:	vy060325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022511.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:50 PM	Sam	6/4/2025 4:23:21 PM	Peak Integrated by Software
VSTDCCC050	VY022511.D	Methacrylonitrile	MMDadoda	6/4/2025 4:20:50 PM	Sam	6/4/2025 4:23:21 PM	Peak Integrated by Software
VY0603SBS01	VY022513.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:55 PM	Sam	6/4/2025 4:23:24 PM	Peak Integrated by Software
VY0603SBSD01	VY022514.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:57 PM	Sam	6/4/2025 4:23:29 PM	Peak Integrated by Software
VY0603SBSD01	VY022514.D	Methacrylonitrile	MMDadoda	6/4/2025 4:20:57 PM	Sam	6/4/2025 4:23:29 PM	Peak Integrated by Software
VSTDCCC050	VY022536.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:21:00 PM	Sam	6/4/2025 4:23:33 PM	Peak Integrated by Software
VSTDCCC050	VY022536.D	Methacrylonitrile	MMDadoda	6/4/2025 4:21:00 PM	Sam	6/4/2025 4:23:33 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy060425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022538.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:43:30 PM	SAM	6/5/2025 4:46:48 PM	Peak Integrated by Software
VSTDCCC050	VY022538.D	Methacrylonitrile	MMDadoda	6/5/2025 4:43:30 PM	SAM	6/5/2025 4:46:48 PM	Peak Integrated by Software
VY0604SBS01	VY022540.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:43:28 PM	SAM	6/5/2025 4:46:49 PM	Peak Integrated by Software
VY0604SBS01	VY022540.D	Methacrylonitrile	MMDadoda	6/5/2025 4:43:28 PM	SAM	6/5/2025 4:46:49 PM	Peak Integrated by Software
VSTDCCC050	VY022558.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:43:22 PM	SAM	6/5/2025 4:46:55 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY060525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022560.D	1,2,3-Trichloropropane	MMDadoda	6/6/2025 5:55:22 PM	Sam	6/6/2025 5:55:58 PM	Peak Integrated by Software
VSTDCCC050	VY022560.D	Methacrylonitrile	MMDadoda	6/6/2025 5:55:22 PM	Sam	6/6/2025 5:55:58 PM	Peak Integrated by Software
VY0605SBS01	VY022562.D	1,2,3-Trichloropropane	MMDadoda	6/6/2025 5:55:23 PM	Sam	6/6/2025 5:56:00 PM	Peak Integrated by Software
VSTDCCC050	VY022585.D	1,2,3-Trichloropropane	MMDadoda	6/6/2025 5:55:26 PM	Sam	6/6/2025 5:56:03 PM	Peak Integrated by Software
VSTDCCC050	VY022585.D	Methacrylonitrile	MMDadoda	6/6/2025 5:55:26 PM	Sam	6/6/2025 5:56:03 PM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046038.D	05 May 2025 09:37	JC/MD	Ok
2	VSTDICC001	VX046039.D	05 May 2025 10:49	JC/MD	Not Ok
3	VSTDICC005	VX046040.D	05 May 2025 11:12	JC/MD	Not Ok
4	VSTDICC020	VX046041.D	05 May 2025 11:35	JC/MD	Ok,M
5	VSTDICCC050	VX046042.D	05 May 2025 11:58	JC/MD	Ok,M
6	VSTDICC100	VX046043.D	05 May 2025 12:21	JC/MD	Ok,M
7	VSTDICC150	VX046044.D	05 May 2025 12:45	JC/MD	Ok,M
8	IBLK	VX046045.D	05 May 2025 13:08	JC/MD	Ok
9	VSTDICC005	VX046046.D	05 May 2025 16:04	JC/MD	Ok,M
10	VSTDICC001	VX046047.D	05 May 2025 16:27	JC/MD	Ok,M
11	VSTDICV050	VX046048.D	05 May 2025 16:50	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060225

Review By	John Carlone	Review On	6/3/2025 9:49:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/3/2025 2:37:54 PM		
SubDirectory	VX060225	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134094
Initial Calibration Stds	
CCC	VP134095,VP134096
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046432.D	02 Jun 2025 09:42	JC/MD	Ok
2	VSTDCCC050	VX046433.D	02 Jun 2025 10:21	JC/MD	Ok,M
3	VX0602MBL01	VX046434.D	02 Jun 2025 10:51	JC/MD	Ok
4	VX0602WBL01	VX046435.D	02 Jun 2025 11:14	JC/MD	Ok
5	VX0602WBS01	VX046436.D	02 Jun 2025 11:37	JC/MD	Ok,M
6	VX0602WBSD01	VX046437.D	02 Jun 2025 12:04	JC/MD	Ok,M
7	IBLK	VX046438.D	02 Jun 2025 12:27	JC/MD	Ok
8	Q2164-01	VX046439.D	02 Jun 2025 12:50	JC/MD	Ok
9	Q2164-02	VX046440.D	02 Jun 2025 13:14	JC/MD	Ok
10	Q2164-03	VX046441.D	02 Jun 2025 13:37	JC/MD	Ok
11	Q2164-04	VX046442.D	02 Jun 2025 14:00	JC/MD	Ok
12	Q2177-08	VX046443.D	02 Jun 2025 14:23	JC/MD	ReRun
13	Q2177-09	VX046444.D	02 Jun 2025 14:47	JC/MD	Ok
14	Q2157-01	VX046445.D	02 Jun 2025 15:36	JC/MD	Ok
15	VX0602MBS01	VX046446.D	02 Jun 2025 15:59	JC/MD	Ok,M
16	VX0602MBSD01	VX046447.D	02 Jun 2025 16:22	JC/MD	Ok,M
17	Q2155-01	VX046448.D	02 Jun 2025 16:46	JC/MD	Not Ok
18	Q2155-02	VX046449.D	02 Jun 2025 17:09	JC/MD	Not Ok
19	Q2161-01	VX046450.D	02 Jun 2025 17:32	JC/MD	Ok
20	Q2161-02	VX046451.D	02 Jun 2025 17:56	JC/MD	Ok
21	IBLK	VX046452.D	02 Jun 2025 18:19	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060225

Review By	John Carlone	Review On	6/3/2025 9:49:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/3/2025 2:37:54 PM		
SubDirectory	VX060225	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134094
Initial Calibration Stds	
CCC	VP134095,VP134096
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	IBLK	VX046453.D	02 Jun 2025 18:42	JC/MD	Ok
23	Q2177-08	VX046454.D	02 Jun 2025 19:06	JC/MD	Ok
24	Q2169-01	VX046455.D	02 Jun 2025 19:29	JC/MD	Not Ok
25	Q2169-03	VX046456.D	02 Jun 2025 19:52	JC/MD	Not Ok
26	Q2155-01	VX046457.D	02 Jun 2025 20:39	JC/MD	Not Ok
27	VSTDCCC050	VX046458.D	02 Jun 2025 21:03	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022488.D	02 Jun 2025 08:31	SY/MD	Ok
2	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	SY/MD	Not Ok
3	VY0602SBL01	VY022490.D	02 Jun 2025 10:38	SY/MD	Not Ok
4	VSTDICC005	VY022491.D	02 Jun 2025 11:46	SY/MD	Ok,M
5	VSTDICC010	VY022492.D	02 Jun 2025 12:09	SY/MD	Ok,M
6	VSTDICC020	VY022493.D	02 Jun 2025 12:32	SY/MD	Ok,M
7	VSTDICCC050	VY022494.D	02 Jun 2025 12:54	SY/MD	Ok,M
8	VSTDICC100	VY022495.D	02 Jun 2025 13:17	SY/MD	Ok,M
9	VSTDICC150	VY022496.D	02 Jun 2025 13:39	SY/MD	Ok,M
10	VIBLK	VY022497.D	02 Jun 2025 14:03	SY/MD	Ok
11	VSTDICV050	VY022498.D	02 Jun 2025 14:59	SY/MD	Ok,M
12	VY0602SBL02	VY022499.D	02 Jun 2025 16:00	SY/MD	Ok
13	VY0602SBS01	VY022500.D	02 Jun 2025 16:24	SY/MD	Ok,M
14	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47	SY/MD	Ok,M
15	Q2160-02	VY022502.D	02 Jun 2025 17:10	SY/MD	Ok
16	Q2152-01	VY022503.D	02 Jun 2025 17:34	SY/MD	Not Ok
17	Q2153-01RE	VY022504.D	02 Jun 2025 17:57	SY/MD	Confirms
18	Q2147-02	VY022505.D	02 Jun 2025 18:21	SY/MD	Not Ok
19	Q2150-02	VY022506.D	02 Jun 2025 18:44	SY/MD	Ok
20	Q2150-05RE	VY022507.D	02 Jun 2025 19:08	SY/MD	Confirms
21	Q2161-01	VY022508.D	02 Jun 2025 19:31	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY022509.D	02 Jun 2025 19:54	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 # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM				
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
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	VY022510.D	03 Jun 2025 09:03	SY/MD	Ok
2	VSTDCCC050	VY022511.D	03 Jun 2025 10:03	SY/MD	Ok,M
3	VY0603SBL01	VY022512.D	03 Jun 2025 10:40	SY/MD	Ok
4	VY0603SBS01	VY022513.D	03 Jun 2025 11:15	SY/MD	Ok,M
5	VY0603SBSD01	VY022514.D	03 Jun 2025 11:38	SY/MD	Ok,M
6	Q2155-01	VY022515.D	03 Jun 2025 12:17	SY/MD	Ok
7	Q2155-02	VY022516.D	03 Jun 2025 12:40	SY/MD	Ok,M
8	Q2185-02	VY022517.D	03 Jun 2025 13:04	SY/MD	Ok
9	Q2185-06	VY022518.D	03 Jun 2025 13:27	SY/MD	Ok
10	Q2172-02	VY022519.D	03 Jun 2025 13:51	SY/MD	Ok
11	Q2168-03	VY022520.D	03 Jun 2025 14:14	SY/MD	ReRun
12	Q2168-07	VY022521.D	03 Jun 2025 14:38	SY/MD	Dilution
13	Q2168-11	VY022522.D	03 Jun 2025 15:01	SY/MD	Dilution
14	Q2182-01	VY022523.D	03 Jun 2025 15:24	SY/MD	ReRun
15	Q2162-01	VY022524.D	03 Jun 2025 15:48	SY/MD	Ok
16	Q2161-02	VY022525.D	03 Jun 2025 16:11	SY/MD	Not Ok
17	Q2176-01	VY022526.D	03 Jun 2025 16:35	SY/MD	Ok
18	Q2176-02	VY022527.D	03 Jun 2025 16:58	SY/MD	Ok
19	Q2176-03	VY022528.D	03 Jun 2025 17:22	SY/MD	Ok
20	Q2176-04	VY022529.D	03 Jun 2025 17:45	SY/MD	Ok
21	Q2176-05	VY022530.D	03 Jun 2025 18:09	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM				
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2176-06	VY022531.D	03 Jun 2025 18:32	SY/MD	Ok
23	Q2176-07	VY022532.D	03 Jun 2025 18:56	SY/MD	Ok
24	Q2176-08	VY022533.D	03 Jun 2025 19:19	SY/MD	Ok
25	Q2177-01	VY022534.D	03 Jun 2025 19:42	SY/MD	Ok
26	VIBLK	VY022535.D	03 Jun 2025 20:06	SY/MD	Ok
27	VSTDCCC050	VY022536.D	03 Jun 2025 20:51	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:43:35 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:47:03 PM				
SubDirectory	VY060425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134109
Initial Calibration Stds	
CCC	VP134110,VP134111,MDL VP134112,VP134113
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	VY022537.D	04 Jun 2025 08:48	SY/MD	Ok
2	VSTDCCC050	VY022538.D	04 Jun 2025 09:54	SY/MD	Ok,M
3	VY0604SBL01	VY022539.D	04 Jun 2025 10:24	SY/MD	Ok
4	VY0604SBS01	VY022540.D	04 Jun 2025 10:54	SY/MD	Ok,M
5	VY0604SBSD01	VY022541.D	04 Jun 2025 11:16	SY/MD	Ok,M
6	Q2126-03	VY022542.D	04 Jun 2025 11:53	SY/MD	Ok,M
7	Q2126-03	VY022543.D	04 Jun 2025 12:16	SY/MD	Ok,M
8	Q2168-03RE	VY022544.D	04 Jun 2025 12:39	SY/MD	Confirms
9	Q2182-01RE	VY022545.D	04 Jun 2025 13:03	SY/MD	Confirms
10	Q2195-01	VY022546.D	04 Jun 2025 13:26	SY/MD	ReRun
11	Q2194-01	VY022547.D	04 Jun 2025 13:50	SY/MD	Ok
12	Q2194-03	VY022548.D	04 Jun 2025 14:13	SY/MD	ReRun
13	Q2199-02	VY022549.D	04 Jun 2025 14:37	SY/MD	ReRun
14	Q2199-04	VY022550.D	04 Jun 2025 15:00	SY/MD	Not Ok
15	Q2199-06	VY022551.D	04 Jun 2025 15:24	SY/MD	Ok
16	Q2198-01	VY022552.D	04 Jun 2025 15:47	SY/MD	Ok
17	Q2198-03	VY022553.D	04 Jun 2025 16:11	SY/MD	Ok
18	Q2177-02	VY022554.D	04 Jun 2025 16:34	SY/MD	Ok
19	Q2177-04	VY022555.D	04 Jun 2025 16:58	SY/MD	Ok
20	Q2177-06	VY022556.D	04 Jun 2025 17:21	SY/MD	ReRun
21	VIBLK	VY022557.D	04 Jun 2025 17:45	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:43:35 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:47:03 PM				
SubDirectory	VY060425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134109
Initial Calibration Stds	
CCC	VP134110,VP134111,MDL VP134112,VP134113
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY022558.D	04 Jun 2025 18:30	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060525

Review By	Mahesh Dadoda	Review On	6/6/2025 5:55:27 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/6/2025 5:56:08 PM				
SubDirectory	VY060525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134127
Initial Calibration Stds	
CCC	VP134128,VP134129
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	VY022559.D	05 Jun 2025 08:08	SY/MD	Ok
2	VSTDCCC050	VY022560.D	05 Jun 2025 08:40	SY/MD	Ok,M
3	VY0605SBL01	VY022561.D	05 Jun 2025 09:11	SY/MD	Ok
4	VY0605SBS01	VY022562.D	05 Jun 2025 09:41	SY/MD	Ok,M
5	VY0605SBSD01	VY022563.D	05 Jun 2025 10:31	SY/MD	Ok,M
6	Q2199-02RE	VY022564.D	05 Jun 2025 11:12	SY/MD	Confirms
7	Q2199-06	VY022565.D	05 Jun 2025 11:35	SY/MD	Not Ok
8	Q2194-03	VY022566.D	05 Jun 2025 11:59	SY/MD	Ok
9	Q2195-01RE	VY022567.D	05 Jun 2025 12:22	SY/MD	Confirms
10	Q2177-06	VY022568.D	05 Jun 2025 12:45	SY/MD	Ok
11	Q2219-01	VY022569.D	05 Jun 2025 13:09	SY/MD	ReRun
12	Q2214-01	VY022570.D	05 Jun 2025 13:33	SY/MD	Not Ok
13	Q2224-01	VY022571.D	05 Jun 2025 13:56	SY/MD	ReRun
14	Q2208-02	VY022572.D	05 Jun 2025 14:20	SY/MD	ReRun
15	Q2208-11	VY022573.D	05 Jun 2025 14:44	SY/MD	ReRun
16	Q2208-20	VY022574.D	05 Jun 2025 15:07	SY/MD	ReRun
17	Q2208-29	VY022575.D	05 Jun 2025 15:31	SY/MD	ReRun
18	Q2207-02	VY022576.D	05 Jun 2025 15:55	SY/MD	ReRun
19	Q2207-11	VY022577.D	05 Jun 2025 16:19	SY/MD	ReRun
20	Q2207-20	VY022578.D	05 Jun 2025 16:42	SY/MD	ReRun
21	Q2207-29	VY022579.D	05 Jun 2025 17:06	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060525

Review By	Mahesh Dadoda	Review On	6/6/2025 5:55:27 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/6/2025 5:56:08 PM				
SubDirectory	VY060525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134127
Initial Calibration Stds	
CCC	VP134128,VP134129
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2207-38	VY022580.D	05 Jun 2025 17:30	SY/MD	ReRun
23	Q2225-01	VY022581.D	05 Jun 2025 17:54	SY/MD	ReRun
24	Q2226-02	VY022582.D	05 Jun 2025 18:17	SY/MD	ReRun
25	Q2227-02	VY022583.D	05 Jun 2025 18:41	SY/MD	ReRun
26	VIBLK	VY022584.D	05 Jun 2025 19:05	SY/MD	Ok
27	VSTDCCC050	VY022585.D	05 Jun 2025 19:51	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046038.D	05 May 2025 09:37		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046039.D	05 May 2025 10:49	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX046040.D	05 May 2025 11:12	Not used	JC/MD	Not Ok
4	VSTDICC020	VSTDICC020	VX046041.D	05 May 2025 11:35		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046042.D	05 May 2025 11:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046043.D	05 May 2025 12:21		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046044.D	05 May 2025 12:45		JC/MD	Ok,M
8	IBLK	IBLK	VX046045.D	05 May 2025 13:08		JC/MD	Ok
9	VSTDICC005	VSTDICC005	VX046046.D	05 May 2025 16:04		JC/MD	Ok,M
10	VSTDICC001	VSTDICC001	VX046047.D	05 May 2025 16:27		JC/MD	Ok,M
11	VSTDICV050	ICVVX050525	VX046048.D	05 May 2025 16:50		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060225

Review By	John Carlone	Review On	6/3/2025 9:49:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/3/2025 2:37:54 PM		
SubDirectory	VX060225	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134094
Initial Calibration Stds	
CCC	VP134095,VP134096
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046432.D	02 Jun 2025 09:42		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046433.D	02 Jun 2025 10:21	pH#Lot#V12668	JC/MD	Ok,M
3	VX0602MBL01	VX0602MBL01	VX046434.D	02 Jun 2025 10:51		JC/MD	Ok
4	VX0602WBL01	VX0602WBL01	VX046435.D	02 Jun 2025 11:14		JC/MD	Ok
5	VX0602WBS01	VX0602WBS01	VX046436.D	02 Jun 2025 11:37		JC/MD	Ok,M
6	VX0602WBSD01	VX0602WBSD01	VX046437.D	02 Jun 2025 12:04		JC/MD	Ok,M
7	IBLK	IBLK	VX046438.D	02 Jun 2025 12:27		JC/MD	Ok
8	Q2164-01	STORAGE-BLANK-SO	VX046439.D	02 Jun 2025 12:50	vial A pH<2	JC/MD	Ok
9	Q2164-02	STORAGE-BLANK-WA	VX046440.D	02 Jun 2025 13:14	vial A pH<2	JC/MD	Ok
10	Q2164-03	STORAGE-BLANK-WA	VX046441.D	02 Jun 2025 13:37	vial A pH<2	JC/MD	Ok
11	Q2164-04	STORAGE-BLANK-SA	VX046442.D	02 Jun 2025 14:00	vial A pH<2	JC/MD	Ok
12	Q2177-08	EB05312025	VX046443.D	02 Jun 2025 14:23	vial A pH<2 EB;Hit of comp.#16	JC/MD	ReRun
13	Q2177-09	TB05312025	VX046444.D	02 Jun 2025 14:47	vial A pH<2 TB	JC/MD	Ok
14	Q2157-01	291	VX046445.D	02 Jun 2025 15:36	cloth material	JC/MD	Ok
15	VX0602MBS01	VX0602MBS01	VX046446.D	02 Jun 2025 15:59		JC/MD	Ok,M
16	VX0602MBSD01	VX0602MBSD01	VX046447.D	02 Jun 2025 16:22		JC/MD	Ok,M
17	Q2155-01	446	VX046448.D	02 Jun 2025 16:46	Need Straight Run	JC/MD	Not Ok
18	Q2155-02	447-SOLID	VX046449.D	02 Jun 2025 17:09	Need Soil Run	JC/MD	Not Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060225

Review By	John Carlone	Review On	6/3/2025 9:49:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/3/2025 2:37:54 PM		
SubDirectory	VX060225	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134094
Initial Calibration Stds	
CCC	VP134095,VP134096
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2161-01	B27-SOIL-SAMPLE	VX046450.D	02 Jun 2025 17:32		JC/MD	Ok
20	Q2161-02	B28-SOIL-SAMPLE	VX046451.D	02 Jun 2025 17:56	Need Soil Run	JC/MD	Ok
21	IBLK	IBLK	VX046452.D	02 Jun 2025 18:19		JC/MD	Ok
22	IBLK	IBLK	VX046453.D	02 Jun 2025 18:42		JC/MD	Ok
23	Q2177-08	EB05312025	VX046454.D	02 Jun 2025 19:06	vial B pH<2	JC/MD	Ok
24	Q2169-01	303-PPR-1	VX046455.D	02 Jun 2025 19:29	Need Straight Run	JC/MD	Not Ok
25	Q2169-03	303-PPR-2	VX046456.D	02 Jun 2025 19:52	Need Straight Run	JC/MD	Not Ok
26	Q2155-01	446	VX046457.D	02 Jun 2025 20:39	Need Soil Run	JC/MD	Not Ok
27	VSTDCCC050	VSTDCCC050EC	VX046458.D	02 Jun 2025 21:03		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022488.D	02 Jun 2025 08:31		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	Need ICAL	SY/MD	Not Ok
3	VY0602SBL01	VY0602SBL01	VY022490.D	02 Jun 2025 10:38		SY/MD	Not Ok
4	VSTDICC005	VSTDICC005	VY022491.D	02 Jun 2025 11:46		SY/MD	Ok,M
5	VSTDICC010	VSTDICC010	VY022492.D	02 Jun 2025 12:09		SY/MD	Ok,M
6	VSTDICC020	VSTDICC020	VY022493.D	02 Jun 2025 12:32		SY/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VY022494.D	02 Jun 2025 12:54		SY/MD	Ok,M
8	VSTDICC100	VSTDICC100	VY022495.D	02 Jun 2025 13:17		SY/MD	Ok,M
9	VSTDICC150	VSTDICC150	VY022496.D	02 Jun 2025 13:39		SY/MD	Ok,M
10	VIBLK	VIBLK	VY022497.D	02 Jun 2025 14:03		SY/MD	Ok
11	VSTDICV050	ICVVY060225	VY022498.D	02 Jun 2025 14:59	Icv Fail For DOD For Com.# 18	SY/MD	Ok,M
12	VY0602SBL02	VY0602SBL02	VY022499.D	02 Jun 2025 16:00		SY/MD	Ok
13	VY0602SBS01	VY0602SBS01	VY022500.D	02 Jun 2025 16:24		SY/MD	Ok,M
14	VY0602SBSD01	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47		SY/MD	Ok,M
15	Q2160-02	TP04-MHG-VOC	VY022502.D	02 Jun 2025 17:10	vial A	SY/MD	Ok
16	Q2152-01	OK-02-05292025	VY022503.D	02 Jun 2025 17:34	Not Purged,vial B	SY/MD	Not Ok
17	Q2153-01RE	TR-04-0592025RE	VY022504.D	02 Jun 2025 17:57	Surrogate Fail;Internal Standard Fail, vial B	SY/MD	Confirms

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2147-02	VOC	VY022505.D	02 Jun 2025 18:21	Not purge,vial B	SY/MD	Not Ok
19	Q2150-02	TP-42	VY022506.D	02 Jun 2025 18:44	vial B	SY/MD	Ok
20	Q2150-05RE	TP-47RE	VY022507.D	02 Jun 2025 19:08	Internal Standard Fail,vial B	SY/MD	Confirms
21	Q2161-01	B27-SOIL-SAMPLE	VY022508.D	02 Jun 2025 19:31	vial-B Not purge	SY/MD	Not Ok
22	VSTDCCC050	VSTDCCC050EC	VY022509.D	02 Jun 2025 19:54		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM			
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM			
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
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	VY022510.D	03 Jun 2025 09:03		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022511.D	03 Jun 2025 10:03		SY/MD	Ok,M
3	VY0603SBL01	VY0603SBL01	VY022512.D	03 Jun 2025 10:40		SY/MD	Ok
4	VY0603SBS01	VY0603SBS01	VY022513.D	03 Jun 2025 11:15		SY/MD	Ok,M
5	VY0603SBSD01	VY0603SBSD01	VY022514.D	03 Jun 2025 11:38		SY/MD	Ok,M
6	Q2155-01	446	VY022515.D	03 Jun 2025 12:17	vial-A	SY/MD	Ok
7	Q2155-02	447-SOLID	VY022516.D	03 Jun 2025 12:40	vial-A	SY/MD	Ok,M
8	Q2185-02	TP02-MHB-VOC	VY022517.D	03 Jun 2025 13:04	vial-A	SY/MD	Ok
9	Q2185-06	TP01-MHA-VOC	VY022518.D	03 Jun 2025 13:27	vial-A	SY/MD	Ok
10	Q2172-02	TP06-MHQ-VOC	VY022519.D	03 Jun 2025 13:51	vial-A	SY/MD	Ok
11	Q2168-03	A3	VY022520.D	03 Jun 2025 14:14	vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
12	Q2168-07	B3	VY022521.D	03 Jun 2025 14:38	vial-A Need MeOH;Internal Standard Fail	SY/MD	Dilution
13	Q2168-11	C2	VY022522.D	03 Jun 2025 15:01	vial-A Need MeOH;Internal Standard Fail	SY/MD	Dilution
14	Q2182-01	OR-03-06022025	VY022523.D	03 Jun 2025 15:24	vial-A Internal Standard Fail	SY/MD	ReRun
15	Q2162-01	BP-VPB-182-GW-580-5	VY022524.D	03 Jun 2025 15:48	vial-A	SY/MD	Ok
16	Q2161-02	B28-SOIL-SAMPLE	VY022525.D	03 Jun 2025 16:11	vial-B Not purge	SY/MD	Not Ok
17	Q2176-01	TP-46	VY022526.D	03 Jun 2025 16:35	vial-A	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM		
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2176-02	TP-56	VY022527.D	03 Jun 2025 16:58	vial-A	SY/MD	Ok
19	Q2176-03	TP-25	VY022528.D	03 Jun 2025 17:22	vial-A	SY/MD	Ok
20	Q2176-04	TP-26	VY022529.D	03 Jun 2025 17:45	vial-A	SY/MD	Ok
21	Q2176-05	TP-28	VY022530.D	03 Jun 2025 18:09	vial-A	SY/MD	Ok
22	Q2176-06	TP-27	VY022531.D	03 Jun 2025 18:32	vial-A	SY/MD	Ok
23	Q2176-07	TP-31	VY022532.D	03 Jun 2025 18:56	vial-A	SY/MD	Ok
24	Q2176-08	TP-65	VY022533.D	03 Jun 2025 19:19	vial-A	SY/MD	Ok
25	Q2177-01	B-187-SB00	VY022534.D	03 Jun 2025 19:42	vial-A	SY/MD	Ok
26	VIBLK	VIBLK	VY022535.D	03 Jun 2025 20:06		SY/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VY022536.D	03 Jun 2025 20:51		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:43:35 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:47:03 PM				
SubDirectory	VY060425	HP Acquire Method	MSVOA_Y	HP Processing Method		82y060225s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP134109
Initial Calibration Stds	
CCC	VP134110,VP134111,MDL VP134112,VP134113
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	VY022537.D	04 Jun 2025 08:48		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022538.D	04 Jun 2025 09:54		SY/MD	Ok,M
3	VY0604SBL01	VY0604SBL01	VY022539.D	04 Jun 2025 10:24		SY/MD	Ok
4	VY0604SBS01	VY0604SBS01	VY022540.D	04 Jun 2025 10:54		SY/MD	Ok,M
5	VY0604SBSD01	VY0604SBSD01	VY022541.D	04 Jun 2025 11:16		SY/MD	Ok,M
6	Q2126-03	MDL-SOIL-03-QT2-202	VY022542.D	04 Jun 2025 11:53		SY/MD	Ok,M
7	Q2126-03	MDL-SOIL-03-QT2-202	VY022543.D	04 Jun 2025 12:16		SY/MD	Ok,M
8	Q2168-03RE	A3RE	VY022544.D	04 Jun 2025 12:39	vial-B Internal Standard Fail; Surrogate Fail	SY/MD	Confirms
9	Q2182-01RE	OR-03-06022025RE	VY022545.D	04 Jun 2025 13:03	vial-B Internal Standard Fail	SY/MD	Confirms
10	Q2195-01	OK-01-060325	VY022546.D	04 Jun 2025 13:26	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q2194-01	COMP-12	VY022547.D	04 Jun 2025 13:50	vial-A	SY/MD	Ok
12	Q2194-03	COMP-13	VY022548.D	04 Jun 2025 14:13	vial-A Internal Standard Fail	SY/MD	ReRun
13	Q2199-02	ETGI-343	VY022549.D	04 Jun 2025 14:37	vial-A Internal Standard Fail	SY/MD	ReRun
14	Q2199-04	VNJ-231	VY022550.D	04 Jun 2025 15:00	vial-A Not purge	SY/MD	Not Ok
15	Q2199-06	72-11978	VY022551.D	04 Jun 2025 15:24	vial-A	SY/MD	Ok
16	Q2198-01	B-202-SB02	VY022552.D	04 Jun 2025 15:47	vial-A	SY/MD	Ok
17	Q2198-03	B-207-SB02	VY022553.D	04 Jun 2025 16:11	vial-A	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:43:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:47:03 PM		
SubDirectory	VY060425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134109
Initial Calibration Stds	
CCC	VP134110,VP134111,MDL VP134112,VP134113
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2177-02	B-187-SB01	VY022554.D	04 Jun 2025 16:34	vial-A	SY/MD	Ok
19	Q2177-04	B-187-SB02	VY022555.D	04 Jun 2025 16:58	vial-A	SY/MD	Ok
20	Q2177-06	B-202-SB01	VY022556.D	04 Jun 2025 17:21	vial-A Internal Standard Fail	SY/MD	ReRun
21	VIBLK	VIBLK	VY022557.D	04 Jun 2025 17:45		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY022558.D	04 Jun 2025 18:30		SY/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060525

Review By	Mahesh Dadoda	Review On	6/6/2025 5:55:27 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/6/2025 5:56:08 PM		
SubDirectory	VY060525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134127
Initial Calibration Stds	
CCC	VP134128,VP134129
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	VY022559.D	05 Jun 2025 08:08		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022560.D	05 Jun 2025 08:40		SY/MD	Ok,M
3	VY0605SBL01	VY0605SBL01	VY022561.D	05 Jun 2025 09:11		SY/MD	Ok
4	VY0605SBS01	VY0605SBS01	VY022562.D	05 Jun 2025 09:41		SY/MD	Ok,M
5	VY0605SBSD01	VY0605SBSD01	VY022563.D	05 Jun 2025 10:31		SY/MD	Ok,M
6	Q2199-02RE	ETGI-343RE	VY022564.D	05 Jun 2025 11:12	vial-B Internal Standard Fail; Surrogate Fail	SY/MD	Confirms
7	Q2199-06	72-11978	VY022565.D	05 Jun 2025 11:35	vial-B Already analyzed	SY/MD	Not Ok
8	Q2194-03	COMP-13	VY022566.D	05 Jun 2025 11:59	vial-B	SY/MD	Ok
9	Q2195-01RE	OK-01-060325RE	VY022567.D	05 Jun 2025 12:22	Internal Standard Fail	SY/MD	Confirms
10	Q2177-06	B-202-SB01	VY022568.D	05 Jun 2025 12:45	vial-B	SY/MD	Ok
11	Q2219-01	72-11995	VY022569.D	05 Jun 2025 13:09	vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
12	Q2214-01	RBR251425	VY022570.D	05 Jun 2025 13:33	vial-A NOT purged	SY/MD	Not Ok
13	Q2224-01	EO-01-06042025	VY022571.D	05 Jun 2025 13:56	vial-A Internal Standard Fail	SY/MD	ReRun
14	Q2208-02	BU-703-VOC-06	VY022572.D	05 Jun 2025 14:20	vial-A Internal Standard Fail	SY/MD	ReRun
15	Q2208-11	BU-703-VOC-07	VY022573.D	05 Jun 2025 14:44	vial-A Internal Standard Fail	SY/MD	ReRun
16	Q2208-20	BU-703-VOC-08	VY022574.D	05 Jun 2025 15:07	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q2208-29	BU-703-VOC-09	VY022575.D	05 Jun 2025 15:31	vial-A Internal Standard Fail	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060525

Review By	Mahesh Dadoda	Review On	6/6/2025 5:55:27 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/6/2025 5:56:08 PM		
SubDirectory	VY060525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134127
Initial Calibration Stds	
CCC	VP134128,VP134129
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2207-02	BU-703-VOC-01	VY022576.D	05 Jun 2025 15:55	vial-A Internal Standard Fail	SY/MD	ReRun
19	Q2207-11	BU-703-VOC-02	VY022577.D	05 Jun 2025 16:19	vial-A Internal Standard Fail	SY/MD	ReRun
20	Q2207-20	BU-703-VOC-03	VY022578.D	05 Jun 2025 16:42	vial-A Internal Standard Fail	SY/MD	ReRun
21	Q2207-29	BU-703-VOC-04	VY022579.D	05 Jun 2025 17:06	vial-A Internal Standard Fail	SY/MD	ReRun
22	Q2207-38	BU-703-VOC-05	VY022580.D	05 Jun 2025 17:30	vial-A Internal Standard Fail	SY/MD	ReRun
23	Q2225-01	SU-03-06042025	VY022581.D	05 Jun 2025 17:54	vial-A Internal Standard Fail	SY/MD	ReRun
24	Q2226-02	TP06-MHI-VOC	VY022582.D	05 Jun 2025 18:17	vial-A Internal Standard Fail	SY/MD	ReRun
25	Q2227-02	TP07-MHH-VOC	VY022583.D	05 Jun 2025 18:41	vial-A Internal Standard Fail	SY/MD	ReRun
26	VIBLK	VIBLK	VY022584.D	05 Jun 2025 19:05		SY/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VY022585.D	05 Jun 2025 19:51		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135973

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
Q2125-07	GSB3	25	1.14	10.44	11.58	10.36	88.3	
Q2167-01	52225	1	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2168-01	SAN-A1-A3	2	1.15	10.00	11.15	11.1	99.5	
Q2168-03	A3	3	1.19	10.12	11.31	11.27	99.6	
Q2168-05	SAN-B1-B3	4	1.19	10.16	11.35	11.31	99.6	
Q2168-07	B3	5	1.16	10.33	11.49	11.44	99.5	
Q2168-09	SAN-C1-C2	6	1.13	10.24	11.37	11.3	99.3	
Q2168-11	C2	7	1.17	10.38	11.55	11.31	97.7	
Q2171-01	5-28-25-A	8	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-02	5-28-25-B	9	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-03	51925	10	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2175-01	32525	11	1.00	1.00	2.00	2.00	100.0	debris
Q2175-02	52725	12	1.00	1.00	2.00	2.00	100.0	oil sample
Q2176-01	TP-46	13	1.19	10.63	11.82	10.09	83.7	
Q2176-02	TP-56	14	1.15	10.59	11.74	10.28	86.2	
Q2176-03	TP-25	15	1.16	10.29	11.45	9.98	85.7	
Q2176-04	TP-26	16	1.12	10.84	11.96	10.36	85.2	
Q2176-05	TP-28	17	1.18	10.51	11.69	10.69	90.5	
Q2176-06	TP-27	18	1.18	10.12	11.3	9.59	83.1	
Q2176-07	TP-31	19	1.18	10.64	11.82	10.42	86.8	
Q2176-08	TP-65	20	1.19	10.27	11.46	10.16	87.3	
Q2177-01	B-187-SB00	21	1.17	10.43	11.6	10.47	89.2	
Q2177-02	B-187-SB01	22	1.16	10.50	11.66	10.00	84.2	
Q2177-04	B-187-SB02	23	1.17	10.55	11.72	7.8	62.8	
Q2177-06	B-202-SB01	24	1.19	10.41	11.6	10.08	85.4	
Q2178-01	RT2929	26	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2179-01	D3	27	1.15	9.96	11.11	10.47	93.6	
Q2179-02	D4	28	1.19	10.03	11.22	10.38	91.6	

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135973

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
Q2179-03	D5	29	1.18	10.26	11.44	10.8	93.8	
Q2179-04	D6	30	1.16	10.80	11.96	11.54	96.1	
Q2183-01	BC205321-3-1	31	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-02	BC205321-3-2	32	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-03	BC205321-4-1	33	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-04	BC205321-4-2	34	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-05	BC205321-5-1	35	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-06	BC205321-5-2	36	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-07	BC205321-6-1	37	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-08	BC205321-6-2	38	1.00	1.00	2.00	2.00	100.0	pilc
Q2184-01	245F54-1-1	39	1.00	1.00	2.00	2.00	100.0	pilc
Q2184-02	245F54-1-2	40	1.00	1.00	2.00	2.00	100.0	pilc
Q2184-03	BC226595-1-1	41	1.00	1.00	2.00	2.00	100.0	pilc
Q2184-04	BC226595-1-2	42	1.00	1.00	2.00	2.00	100.0	pilc
Q2185-01	TP02-MHB-WC	43	1.15	10.68	11.83	10.28	85.5	
Q2185-02	TP02-MHB-VOC	44	1.13	10.62	11.75	10.58	89.0	
Q2185-03	TP02-MHB-EPH	45	1.15	10.26	11.41	10.00	86.3	
Q2185-05	TP01-MHB-WC	46	1.18	10.69	11.87	10.57	87.8	
Q2185-06	TP01-MHB-VOC	47	1.19	10.76	11.95	10.84	89.7	
Q2185-07	TP01-MHB-EPH	48	1.19	10.25	11.44	10.28	88.7	

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

WORKLIST(Hardcopy Internal Chain)

VB35973

WorkList Name : %1-060225 **WorkList ID :** 189853 **Department :** Wet-Chemistry **Date :** 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2125-07	GSB3	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	05/23/2025	Chemtech -SO
Q2167-01	52225	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-01	SAN-A1-A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-03	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-05	SAN-B1-B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-07	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-09	SAN-C1-C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-11	C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-01	5-28-25-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-02	5-28-25-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-03	51925	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-01	32525	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-02	52725	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-01	TP-46	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-02	TP-56	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/28/2025	Chemtech -SO
Q2176-03	TP-25	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-04	TP-26	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-05	TP-28	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-06	TP-27	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-07	TP-31	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-08	TP-65	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/30/2025	Chemtech -SO

Date/Time 06/02/25 15:15

Raw Sample Received by: WC

Raw Sample Relinquished by: SM

Date/Time 06/02/25 17:25

Raw Sample Received by: SM

Raw Sample Relinquished by: WC

WORKLIST(Hardcopy Internal Chain)

VB 135973

WorkList Name : %1-060225 **WorkList ID :** 189853 **Department :** Wet-Chemistry **Date :** 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2177-01	B-187-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-02	B-187-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-04	B-187-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-06	B-202-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2178-01	RT2929	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2179-01	D3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	06/02/2025	Chemtech -SO
Q2179-02	D4	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-03	D5	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-04	D6	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2183-01	BC205321-3-1	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2183-02	BC205321-3-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-03	BC205321-4-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-04	BC205321-4-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-05	BC205321-5-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-06	BC205321-5-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-07	BC205321-6-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-08	BC205321-6-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-01	245F54-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-02	245F54-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-03	BC226595-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-04	BC226595-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO

Date/Time 06/02/25 1515

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 06/02/25 1715

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

NB 135973

WorkList Name : %1-060225 **WorkList ID :** 189853 **Department :** Wet-Chemistry **Date :** 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2185-01	TP02-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-02	TP02-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-03	TP02-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-05	TP01-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-06	TP01-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-07	TP01-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO

Date/Time 06/02/25 15:15

Raw Sample Received by: JR WC

Raw Sample Relinquished by: SM

Date/Time 06/02/25 17:25

Raw Sample Received by: SM

Raw Sample Relinquished by: JR 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.
QUOTE NO. Q2177
COC Number 2046411

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 1010 Adams Avenue
CITY Audubon STATE: PA ZIP: 19403
ATTENTION: Joe Krupansky
PHONE: 610-310-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Sawdust
PROJECT NO.: 95000878 LOCATION: Kearny NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@BEMSS.com
PHONE: 610-310-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION Samantha Beasley PHONE: 908-728-3148

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: TCL-VOC +10
2: PCBs
3: Cr(VI) Cr(III)
4: TCL-SVOCs-BNA 30
5: TAL metals
6: EPH
7: Full TCLP
8: RCRA
9: Aroclors

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	B-187-SB00	S		X	5/31/25	900	5	X									← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
2.	B-187-SB01			X		930	8	X	X	X	X	X	X	X	X		
3.	B-187-SB02			X		1000	8	X	X	X	X	X	X	X	X		
4.	B-202-SB01			X		1015	8	X	X	X	X	X	X	X	X		
5.	EB05312025	DIW				1415	8	X	X	X	X	X	X				
6.	TB05312025	DIW				NA		X									
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.	5/31/25	1. 6-2-25 0700
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.7°C °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2177 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 6/2/2025 11:19:00 AM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 6/2/2025 7:00:00 AM
Purchase Order :

Project Mgr : Yazmeen
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff : 6/2/2025 12:21:09 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2177-01	B-187-SB00	Solid	05/31/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-02	B-187-SB01	Solid	05/31/2025	09:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-04	B-187-SB02	Solid	05/31/2025	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-06	B-202-SB01	Solid	05/31/2025	10:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-08	EB05312025	Water	05/31/2025	14:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2177-09	TB05312025	Water	05/31/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

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

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Hard Copy Date :
Date Signoff : 6/2/2025 12:21:09 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : [signature]
Date / Time : 6/2/25 1150

Received By : JC
Date / Time : 6/2/25 1152

Storage Area : VOA Refridgerator Room