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

Order ID : Q1447

Project ID : Nelson

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1447-01	WC1
Q1447-02	WC1

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: 3/6/2025

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 #: **Q1447**

	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: **KORI AMARNATH** **Date:** **03/06/2025**

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LAB CHRONICLE

OrderID:	Q1447	**OrderDate:**	2/26/2025 2:32:53 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	H31,H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1447-01	**WC1**	**SOIL**			**02/23/25**			**02/26/25**
			VOC-TCLVOA-10	8260D			03/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1447

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**WC1**								
Q1447-01	WC1	SOIL	Acetone		12.2	J	6.70	26.9	ug/Kg
Q1447-01	WC1	SOIL	m/p-Xylenes		3.90	J	1.50	10.8	ug/Kg
Q1447-01	WC1	SOIL	o-Xylene		2.30	J	0.75	5.40	ug/Kg
Q1447-01	WC1	SOIL	Isopropylbenzene		3.90	J	0.72	5.40	ug/Kg
			Total Voc :		22.3				
Q1447-01	WC1	SOIL	unknown14.182	*	280	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	p-Cymene	*	380	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1,4-diethyl-	*	240	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Naphthalene, decahydro-, trans	*	890	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	o-Cymene	*	200	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1-ethyl-2,4-dimethyl-	*	280	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1-ethyl-2,3-dimethyl-	*	390	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1-methyl-2-(2-propen	*	260	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Decane, 4-methyl-	*	690	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Oxalic acid, cyclohexylmethyl	*	250	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	n-propylbenzene	*	9.50	J	0.69	5.40	ug/Kg
Q1447-01	WC1	SOIL	1,3,5-Trimethylbenzene	*	9.10	J	0.69	5.40	ug/Kg
Q1447-01	WC1	SOIL	1,2,4-Trimethylbenzene	*	130	J	1.50	5.40	ug/Kg
Q1447-01	WC1	SOIL	sec-Butylbenzene	*	15.0	J	0.72	5.40	ug/Kg
Q1447-01	WC1	SOIL	p-Isopropyltoluene	*	3.10	J	0.63	5.40	ug/Kg
Q1447-01	WC1	SOIL	n-Butylbenzene	*	24.9	J	0.68	5.40	ug/Kg
			Total Tics :		4050				
			Total Concentration:		4070				

QC SUMMARY

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

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1447-01	WC1	1,2-Dichloroethane-d4	50	58.0	116	70 (63)	130 (155)
		Dibromofluoromethane	50	51.7	103	70 (70)	130 (134)
		Toluene-d8	50	47.6	95	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.5	97	70 (38)	130 (136)
VY0305SBL01	VY0305SBL01	1,2-Dichloroethane-d4	50	57.5	115	70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101	70 (70)	130 (134)
		Toluene-d8	50	48.2	96	70 (74)	130 (123)
		4-Bromofluorobenzene	50	43.8	88	70 (38)	130 (136)
VY0305SBS01	VY0305SBS01	1,2-Dichloroethane-d4	50	58.9	118	70 (63)	130 (155)
		Dibromofluoromethane	50	54.7	109	70 (70)	130 (134)
		Toluene-d8	50	54.1	108	70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.7	109	70 (38)	130 (136)
VY0305SBSD01	VY0305SBSD01	1,2-Dichloroethane-d4	50	55.3	110	70 (63)	130 (155)
		Dibromofluoromethane	50	52.4	105	70 (70)	130 (134)
		Toluene-d8	50	52.5	105	70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.2	104	70 (38)	130 (136)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021408.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0305SBS01	Dichlorodifluoromethane	20	18.0	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	20	19.8	ug/Kg	99			40 (70)	160 (130)	
	Vinyl chloride	20	20.1	ug/Kg	101			70 (72)	130 (129)	
	Bromomethane	20	22.6	ug/Kg	113			40 (58)	160 (141)	
	Chloroethane	20	20.9	ug/Kg	104			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.8	ug/Kg	99			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/Kg	96			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.0	ug/Kg	95			70 (79)	130 (121)	
	Acetone	100	84.6	ug/Kg	85			40 (60)	160 (131)	
	Carbon disulfide	20	18.6	ug/Kg	93			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.2	ug/Kg	101			70 (77)	130 (129)	
	Methyl Acetate	20	21.9	ug/Kg	110			70 (69)	130 (149)	
	Methylene Chloride	20	20.9	ug/Kg	104			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.2	ug/Kg	96			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (123)	
	Cyclohexane	20	18.3	ug/Kg	92			70 (76)	130 (122)	
	2-Butanone	100	95.9	ug/Kg	96			40 (69)	160 (131)	
	Carbon Tetrachloride	20	17.9	ug/Kg	90			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98			70 (82)	130 (123)	
	Bromochloromethane	20	23.3	ug/Kg	117			70 (80)	130 (127)	
	Chloroform	20	20.2	ug/Kg	101			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.4	ug/Kg	97			70 (80)	130 (126)	
	Methylcyclohexane	20	17.5	ug/Kg	88			70 (77)	130 (123)	
	Benzene	20	18.7	ug/Kg	94			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.7	ug/Kg	99			70 (81)	130 (126)	
	Trichloroethene	20	18.4	ug/Kg	92			70 (83)	130 (122)	
	1,2-Dichloropropane	20	19.5	ug/Kg	98			70 (83)	130 (122)	
	Bromodichloromethane	20	19.5	ug/Kg	98			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	18.8	ug/Kg	94			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.1	ug/Kg	96			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.0	ug/Kg	95			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (125)	
	2-Hexanone	100	98.5	ug/Kg	99			40 (66)	160 (138)	
	Dibromochloromethane	20	19.3	ug/Kg	97			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.7	ug/Kg	99			70 (80)	130 (125)	
	Tetrachloroethene	20	18.6	ug/Kg	93			70 (83)	130 (125)	
	Chlorobenzene	20	18.3	ug/Kg	92			70 (84)	130 (122)	
	Ethyl Benzene	20	17.8	ug/Kg	89			70 (82)	130 (124)	
	m/p-Xylenes	40	36.1	ug/Kg	90			70 (83)	130 (124)	
	o-Xylene	20	18.5	ug/Kg	93			70 (83)	130 (123)	
	Styrene	20	18.5	ug/Kg	93			70 (82)	130 (124)	
	Bromoform	20	19.1	ug/Kg	96			70 (75)	130 (127)	
	Isopropylbenzene	20	17.2	ug/Kg	86			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/Kg	97			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	17.9	ug/Kg	90			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	18.1	ug/Kg	91			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	18.3	ug/Kg	92			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021408.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0305SBS01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.0	ug/Kg	90			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021409.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0305SBSD01	Dichlorodifluoromethane	20	18.1	ug/Kg	91	1		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.7	ug/Kg	99	0		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	20.1	ug/Kg	101	0		70 (72)	130 (129)	30 (20)
	Bromomethane	20	19.9	ug/Kg	100	12		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.2	ug/Kg	101	3		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	18.8	ug/Kg	94	5		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/Kg	91	5		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	18.5	ug/Kg	93	2		70 (79)	130 (121)	30 (20)
	Acetone	100	81.0	ug/Kg	81	5		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	18.3	ug/Kg	92	1		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95	6		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.4	ug/Kg	102	8		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	19.4	ug/Kg	97	7		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	18.3	ug/Kg	92	4		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	19.1	ug/Kg	96	4		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	17.4	ug/Kg	87	6		70 (76)	130 (122)	30 (20)
	2-Butanone	100	90.3	ug/Kg	90	6		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	17.7	ug/Kg	89	1		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	18.5	ug/Kg	93	5		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.3	ug/Kg	102	14		70 (80)	130 (127)	30 (20)
	Chloroform	20	19.0	ug/Kg	95	6		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	18.2	ug/Kg	91	6		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	16.9	ug/Kg	85	3		70 (77)	130 (123)	30 (20)
	Benzene	20	18.5	ug/Kg	93	1		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	19.2	ug/Kg	96	3		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	17.9	ug/Kg	90	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	18.5	ug/Kg	93	5		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	18.4	ug/Kg	92	6		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	95.6	ug/Kg	96	4		40 (70)	160 (135)	30 (20)
	Toluene	20	18.2	ug/Kg	91	3		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	18.7	ug/Kg	94	2		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	18.2	ug/Kg	91	4		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	19.2	ug/Kg	96	5		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	94.7	ug/Kg	95	4		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	18.5	ug/Kg	93	4		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	18.9	ug/Kg	95	4		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	18.1	ug/Kg	91	2		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	17.9	ug/Kg	90	2		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	17.5	ug/Kg	88	1		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	35.3	ug/Kg	88	2		70 (83)	130 (124)	30 (20)
	o-Xylene	20	17.6	ug/Kg	88	6		70 (83)	130 (123)	30 (20)
	Styrene	20	18.2	ug/Kg	91	2		70 (82)	130 (124)	30 (20)
	Bromoform	20	18.5	ug/Kg	93	3		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	17.2	ug/Kg	86	0		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	18.5	ug/Kg	93	4		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	17.6	ug/Kg	88	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	17.5	ug/Kg	88	3		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	17.8	ug/Kg	89	3		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021409.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0305SBSD01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97	1		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	17.6	ug/Kg	88	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	17.7	ug/Kg	89	2		70 (70)	130 (137)	30 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0305SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021407.D Lab Sample ID: VY0305SBL01

Date Analyzed: 03/05/2025 Time Analyzed: 12:02

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
VY0305SBS01	VY0305SBS01	VY021408.D	03/05/2025
VY0305SBSD01	VY0305SBSD01	VY021409.D	03/05/2025
WC1	Q1447-01	VY021412.D	03/05/2025

COMMENTS:

Raw Data: **VY021395.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021395.D BFB Injection Date: 03/04/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:52

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	54.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6.6 (8.4) 1
176	95.0 - 101.0% of mass 174	75.7 (97.2) 1
177	5.0 - 9.0% of mass 176	5 (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
VSTDICC010	VSTDICC010	VY021397.D	03/04/2025	09:46
VSTDICC020	VSTDICC020	VY021398.D	03/04/2025	10:09
VSTDICCC050	VSTDICCC050	VY021399.D	03/04/2025	10:30
VSTDICC100	VSTDICC100	VY021400.D	03/04/2025	11:06
VSTDICC150	VSTDICC150	VY021401.D	03/04/2025	11:29
VSTDICC005	VSTDICC005	VY021403.D	03/04/2025	12:15

Raw Data: **VY021405.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021405.D BFB Injection Date: 03/05/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:41

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.2 (1.5) 1
174	50.0 - 100.0% of mass 95	81.2
175	5.0 - 9.0% of mass 174	6.6 (8.1) 1
176	95.0 - 101.0% of mass 174	77.7 (95.7) 1
177	5.0 - 9.0% of mass 176	5 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021406.D	03/05/2025	11:39
VY0305SBL01	VY0305SBL01	VY021407.D	03/05/2025	12:02
VY0305SBS01	VY0305SBS01	VY021408.D	03/05/2025	13:23
VY0305SBSD01	VY0305SBSD01	VY021409.D	03/05/2025	13:45
WC1	Q1447-01	VY021412.D	03/05/2025	14:58

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021406.D Date Analyzed: 03/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:39

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	253694	7.71	393321	8.62	351518	11.41
UPPER LIMIT	507388	8.207	786642	9.116	703036	11.914
LOWER LIMIT	126847	7.207	196661	8.116	175759	10.914
EPA SAMPLE NO.						
WC1	247210	7.71	461499	8.61	408888	11.41
VY0305SBL01	222723	7.71	373589	8.62	318454	11.41
VY0305SBS01	201041	7.71	324142	8.62	291860	11.42
VY0305SBSD01	219622	7.71	350519	8.62	311213	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: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021406.D Date Analyzed: 03/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:39

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

	IS4 AREA #	RT #				
12 HOUR STD	179824	13.346				
UPPER LIMIT	359648	13.846				
LOWER LIMIT	89912	12.846				
EPA SAMPLE NO.						
WC1	164565	13.35				
VY0305SBL01	140807	13.35				
VY0305SBS01	150751	13.35				
VY0305SBSD01	157165	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: **VY021412.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021412.D	1		03/05/25 14:58	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.40	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.40	ug/Kg
75-01-4	Vinyl Chloride	0.83	U	0.83	5.40	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.40	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.98	U	0.98	5.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.84	U	0.84	5.40	ug/Kg
67-64-1	Acetone	12.2	J	6.70	26.9	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.72	U	0.72	5.40	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	5.40	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.91	U	0.91	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.40	ug/Kg
110-82-7	Cyclohexane	0.74	U	0.74	5.40	ug/Kg
78-93-3	2-Butanone	6.10	U	6.10	26.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.66	U	0.66	5.40	ug/Kg
74-97-5	Bromochloromethane	2.60	U	2.60	5.40	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.84	U	0.84	5.40	ug/Kg
108-87-2	Methylcyclohexane	0.94	U	0.94	5.40	ug/Kg
71-43-2	Benzene	0.78	U	0.78	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	5.40	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.71	U	0.71	5.40	ug/Kg
75-27-4	Bromodichloromethane	0.60	U	0.60	5.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.70	U	4.70	26.9	ug/Kg
108-88-3	Toluene	0.72	U	0.72	5.40	ug/Kg

Raw Data: **VY021412.D**

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021412.D	1		03/05/25 14:58	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.61	U	0.61	5.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.91	U	0.91	5.40	ug/Kg
591-78-6	2-Hexanone	5.20	U	5.20	26.9	ug/Kg
124-48-1	Dibromochloromethane	0.70	U	0.70	5.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.85	U	0.85	5.40	ug/Kg
127-18-4	Tetrachloroethene	0.96	U	0.96	5.40	ug/Kg
108-90-7	Chlorobenzene	0.80	U	0.80	5.40	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.40	ug/Kg
179601-23-1	m/p-Xylenes	3.90	J	1.50	10.8	ug/Kg
95-47-6	o-Xylene	2.30	J	0.75	5.40	ug/Kg
100-42-5	Styrene	0.65	U	0.65	5.40	ug/Kg
75-25-2	Bromoform	0.87	U	0.87	5.40	ug/Kg
98-82-8	Isopropylbenzene	3.90	J	0.72	5.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.80	U	0.80	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.86	U	0.86	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.64	U	0.64	5.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.85	U	0.85	5.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.84	U	0.84	5.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.0		70 (63) - 130 (155)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (74) - 130 (123)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		70 (38) - 130 (136)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	7.707			
540-36-3	1,4-Difluorobenzene	461000	8.609			
3114-55-4	Chlorobenzene-d5	409000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	165000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY021412.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021412.D	1		03/05/25 14:58	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
103-65-1	n-propylbenzene	9.50	J		12.6	ug/Kg
1010309-68-1	Oxalic acid, cyclohexylmethyl prop	250	J		12.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	9.10	J		12.7	ug/Kg
002847-72-5	Decane, 4-methyl-	690	J		13.0	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	130	J		13.0	ug/Kg
135-98-8	sec-Butylbenzene	15.0	J		13.2	ug/Kg
99-87-6	p-Isopropyltoluene	3.10	J		13.3	ug/Kg
000105-05-5	Benzene, 1,4-diethyl-	240	J		13.5	ug/Kg
104-51-8	n-Butylbenzene	24.9	J		13.6	ug/Kg
000493-02-7	Naphthalene, decahydro-, trans-	890	J		13.7	ug/Kg
000099-87-6	p-Cymene	380	J		13.8	ug/Kg
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	390	J		13.9	ug/Kg
001587-04-8	Benzene, 1-methyl-2-(2-propenyl)-	260	J		14.0	ug/Kg
	unknown14.182	280	J		14.2	ug/Kg
000527-84-4	o-Cymene	200	J		14.3	ug/Kg
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	280	J		14.6	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\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Time: Mar 05 17:51:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

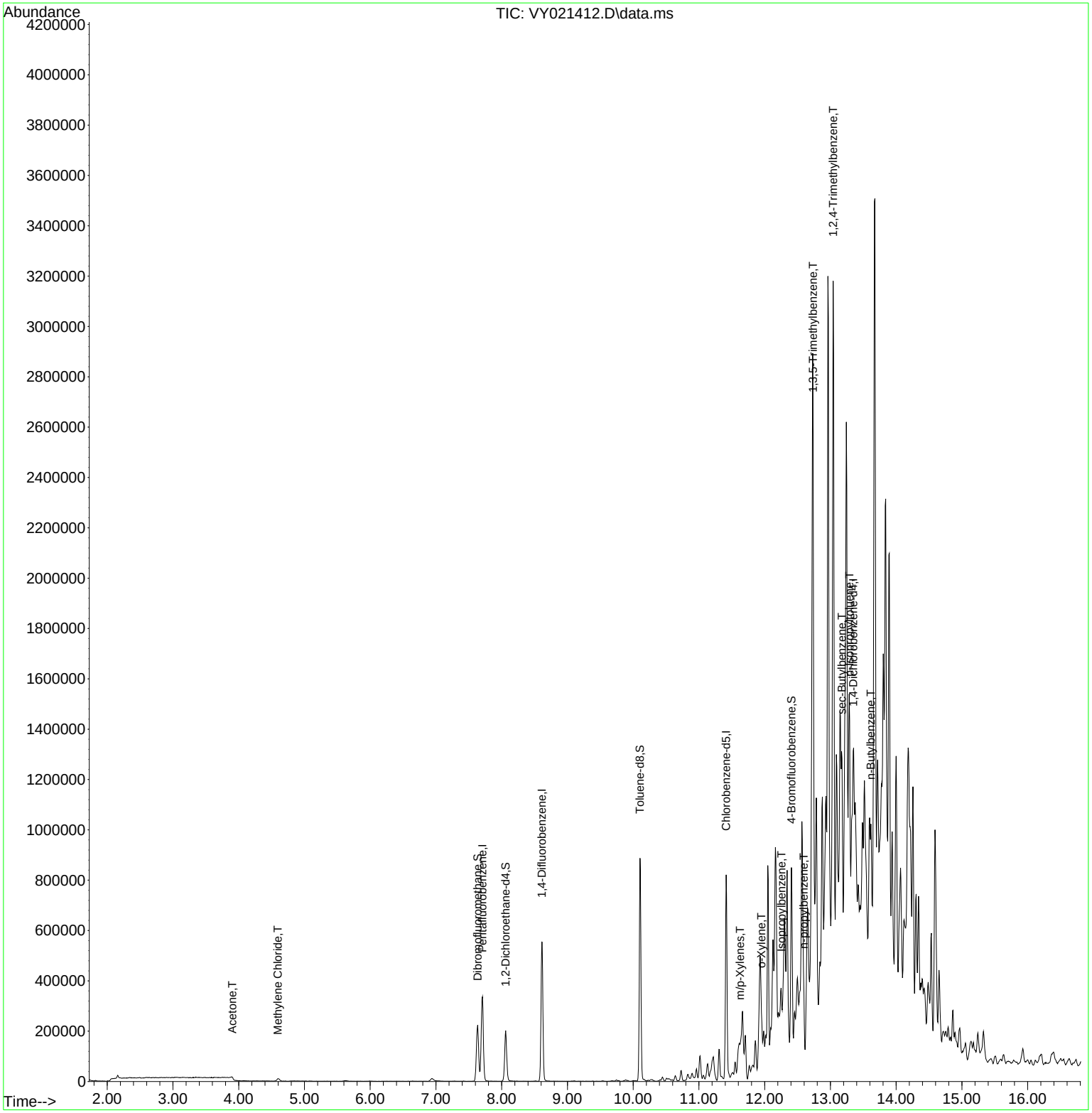
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	247210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	461499	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	408888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	164565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151598	58.020	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.040%			
35) Dibromofluoromethane	7.634	113	156879	51.716	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.440%			
50) Toluene-d8	10.103	98	546969	47.621	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.240%			
62) 4-Bromofluorobenzene	12.408	95	189629	48.536	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.080%			
Target Compounds						Qvalue
16) Acetone	3.903	43	6429	11.281	ug/l #	80
20) Methylene Chloride	4.592	84	7117	2.379	ug/l	89
68) m/p-Xylenes	11.627	106	23361	3.631	ug/l	100
69) o-Xylene	11.950	106	12601	2.125	ug/l	86
73) Isopropylbenzene	12.255	105	46671	3.600	ug/l	99
78) n-propylbenzene	12.597	91	138761	8.814	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	88951	8.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1220706	116.706	ug/l	100
85) sec-Butylbenzene	13.176	105	194182	13.887	ug/l #	72
86) p-Isopropyltoluene	13.292	119	32897	2.856	ug/l	99
89) n-Butylbenzene	13.615	91	245543	23.083	ug/l #	74

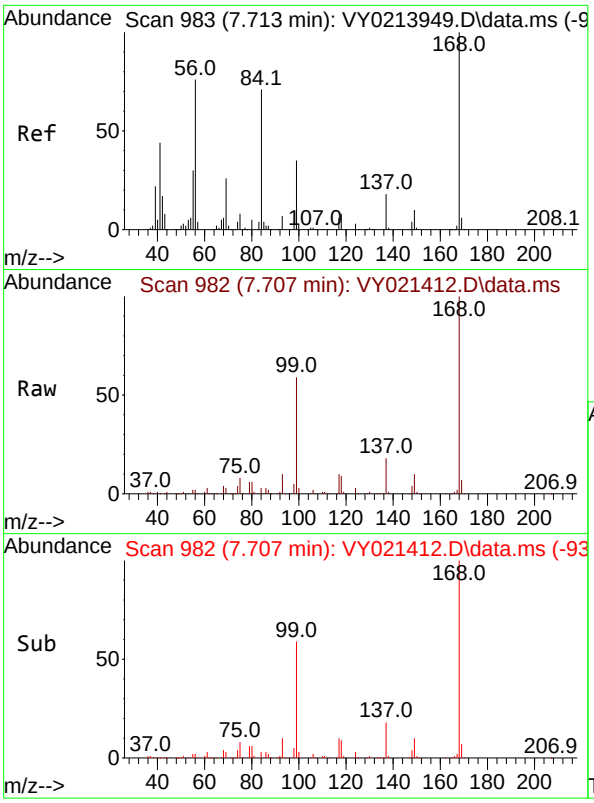
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Time: Mar 05 17:51:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



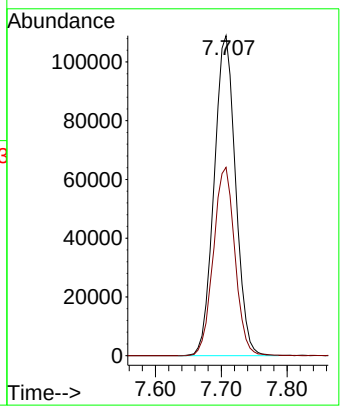


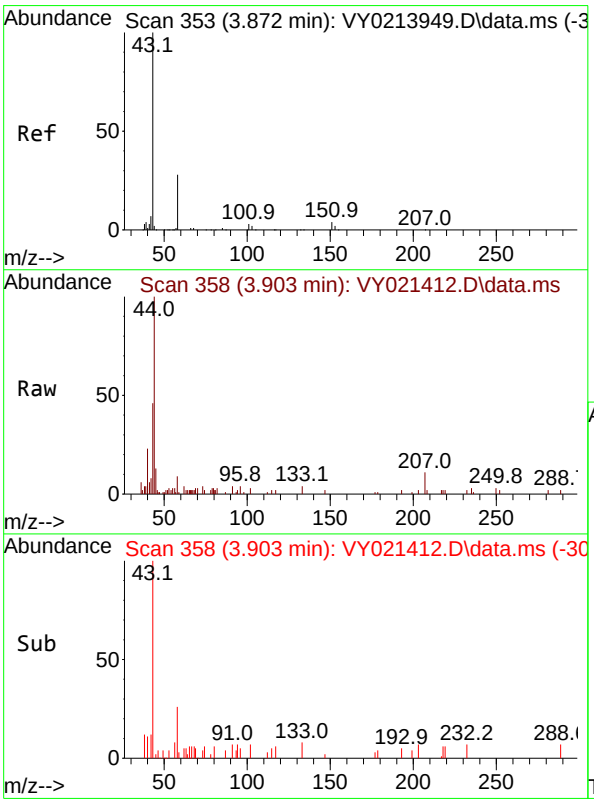
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:168 Resp: 247210

Ion	Ratio	Lower	Upper
168	100		
99	58.8	46.0	69.0

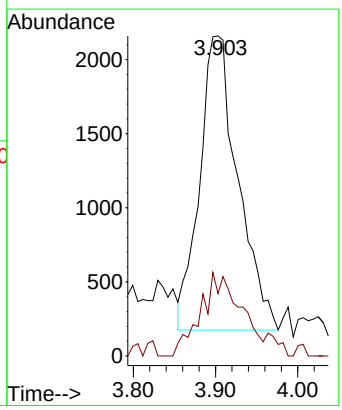


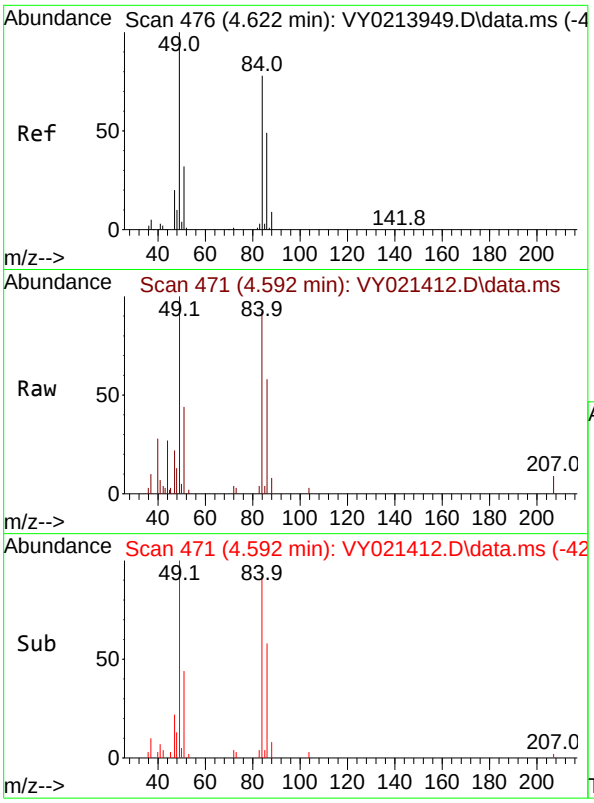


#16
Acetone
Concen: 11.281 ug/l
RT: 3.903 min Scan# 358
Delta R.T. 0.031 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 43 Resp: 6429

Ion	Ratio	Lower	Upper
43	100		
58	17.3	22.1	33.1#



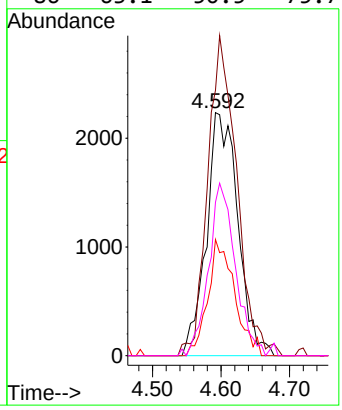


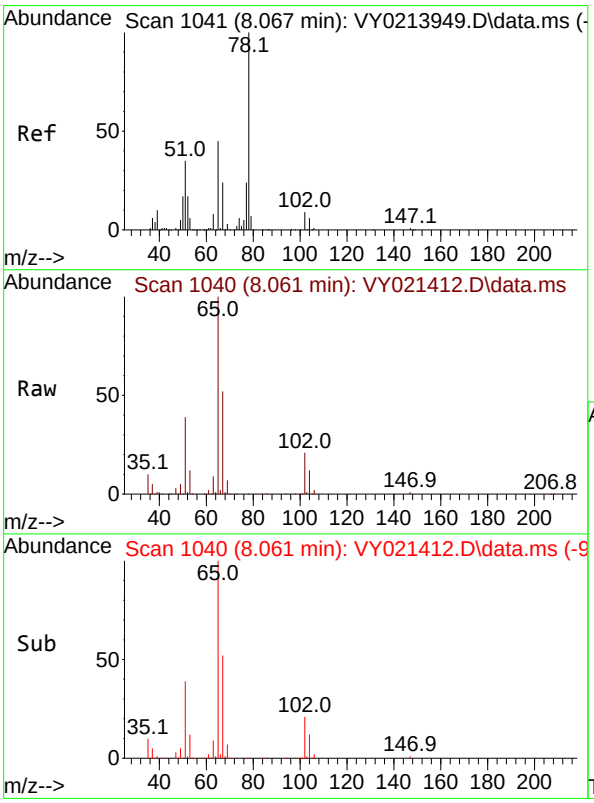
#20
Methylene Chloride
Concen: 2.379 ug/l
RT: 4.592 min Scan# 4
Delta R.T. -0.030 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion: 84 Resp: 7117

Ion	Ratio	Lower	Upper
84	100		
49	109.2	102.0	153.0
51	47.8	33.0	49.6
86	63.1	50.5	75.7

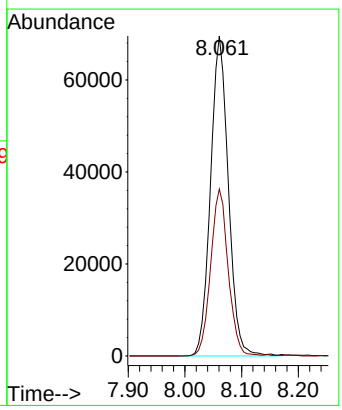


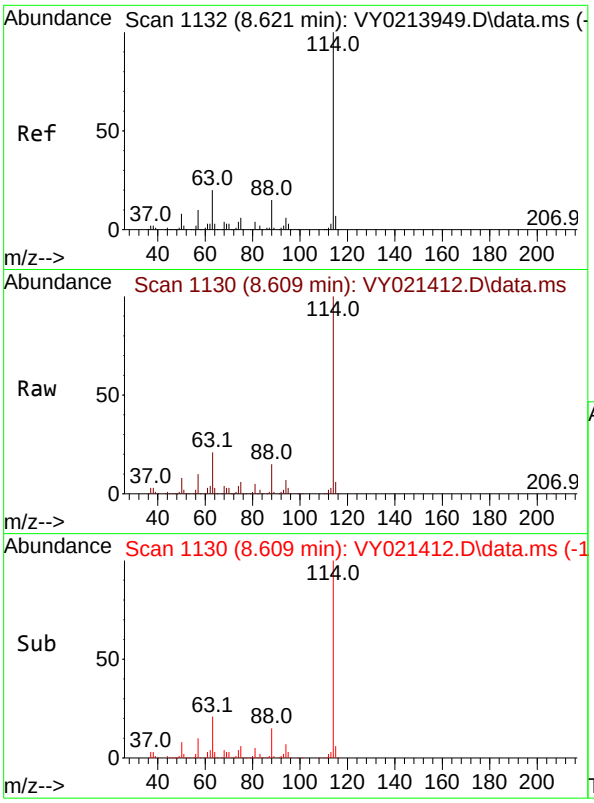


#33
1,2-Dichloroethane-d4
Concen: 58.020 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 65 Resp: 151598

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.8



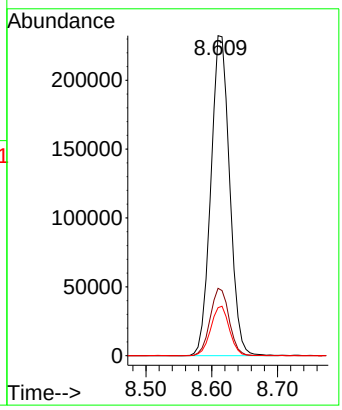


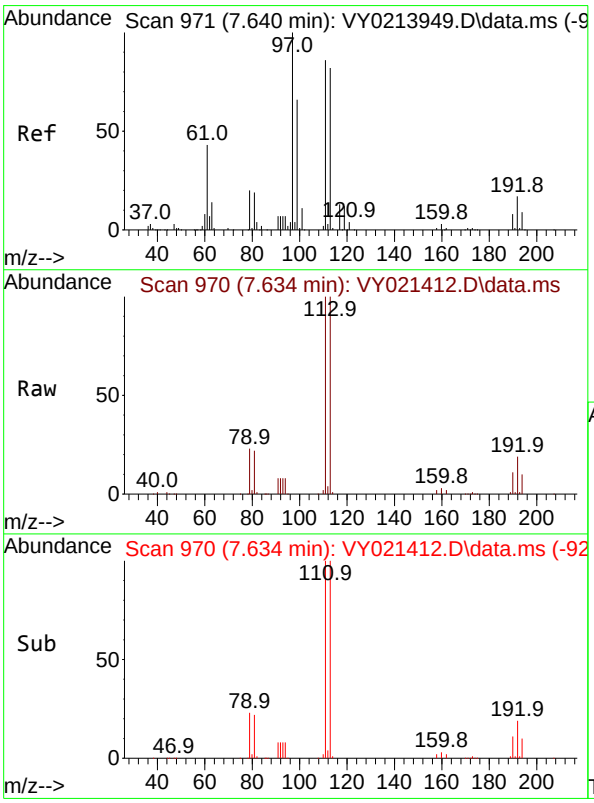
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:114 Resp: 461499

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.8
88	15.0	0.0	30.8

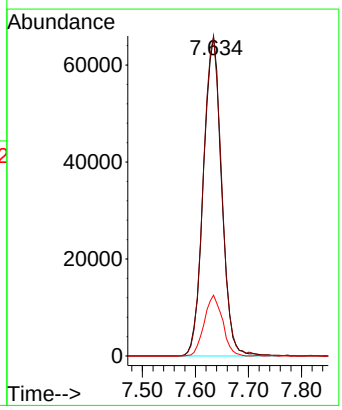


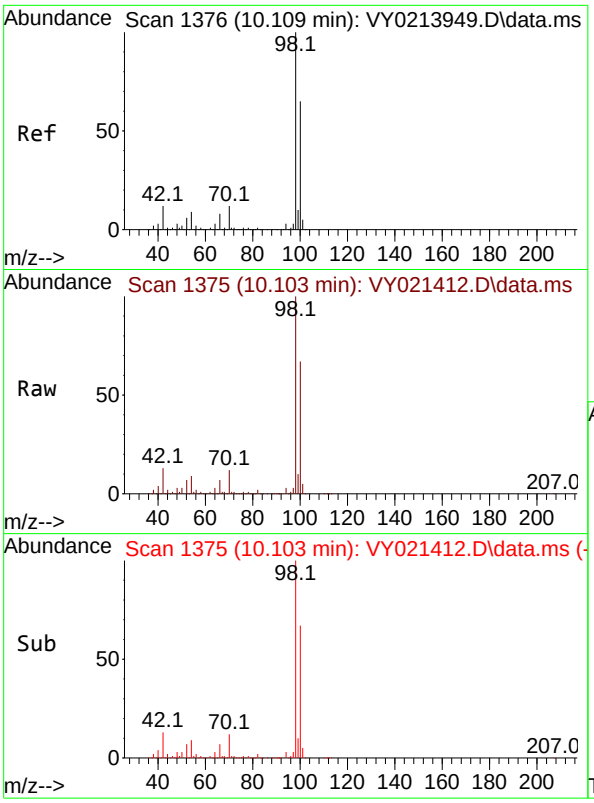


#35
Dibromofluoromethane
Concen: 51.716 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:113 Resp: 156879

Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.0	123.0
192	19.1	15.9	23.9



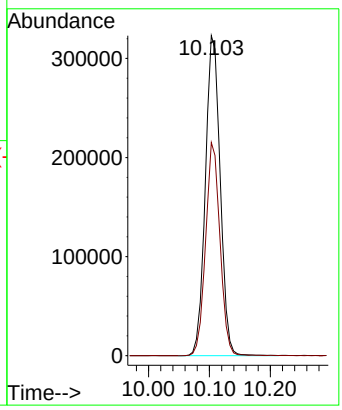


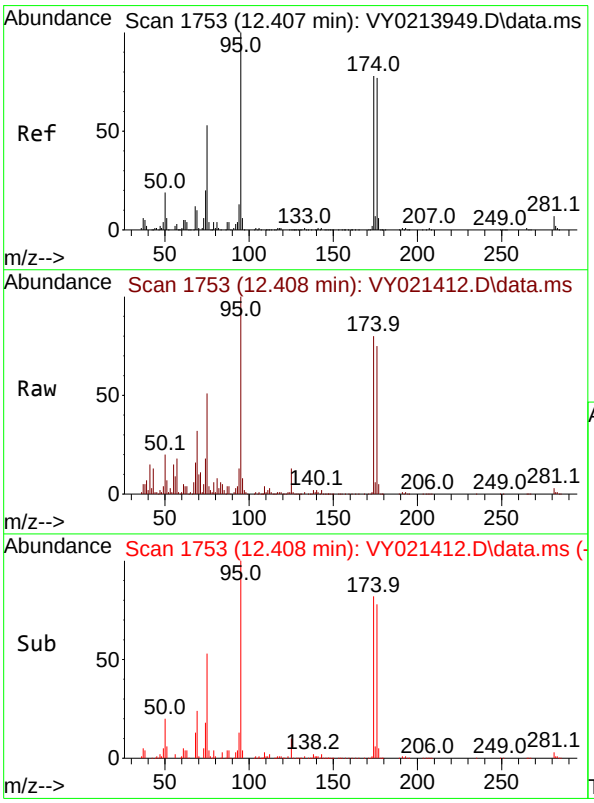
#50
Toluene-d8
Concen: 47.621 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion: 98 Resp: 546969

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

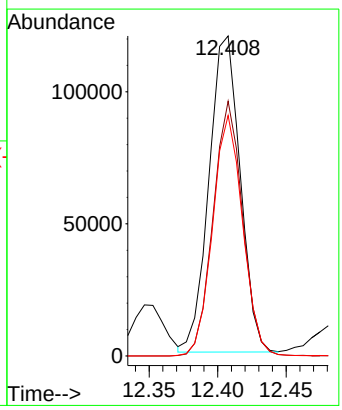


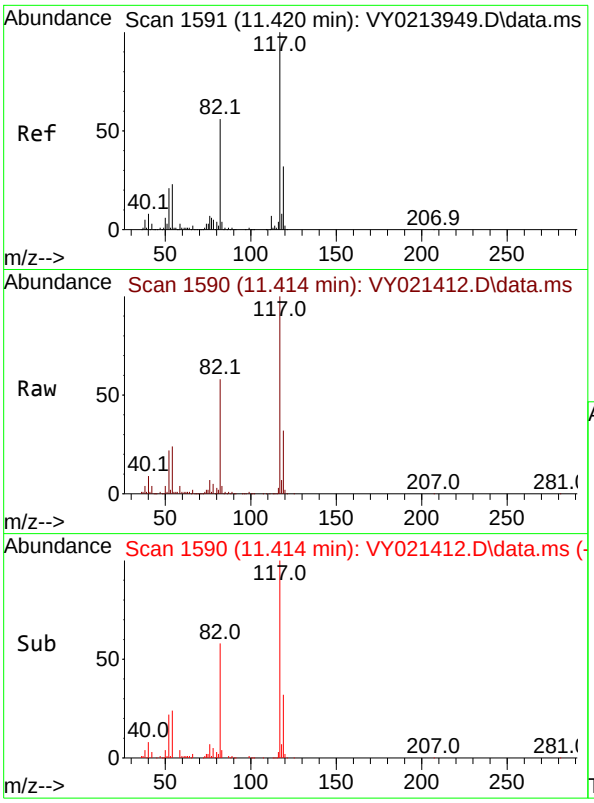


#62
4-Bromofluorobenzene
Concen: 48.536 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 95 Resp: 189629

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	165.0
176	73.1	0.0	160.0



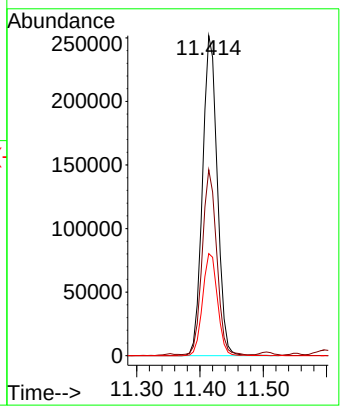


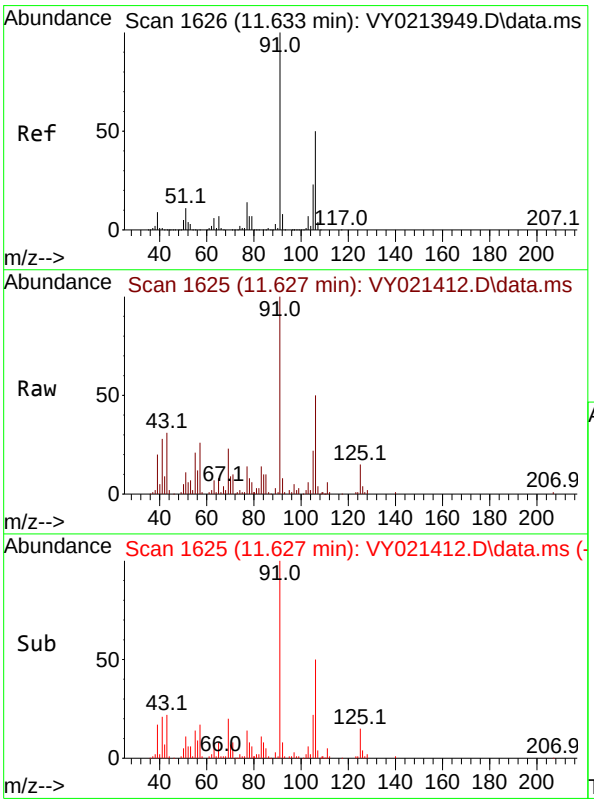
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:117 Resp: 408888

Ion	Ratio	Lower	Upper
117	100		
82	57.7	44.6	67.0
119	31.9	25.4	38.0

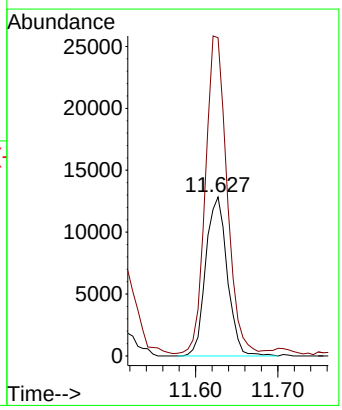


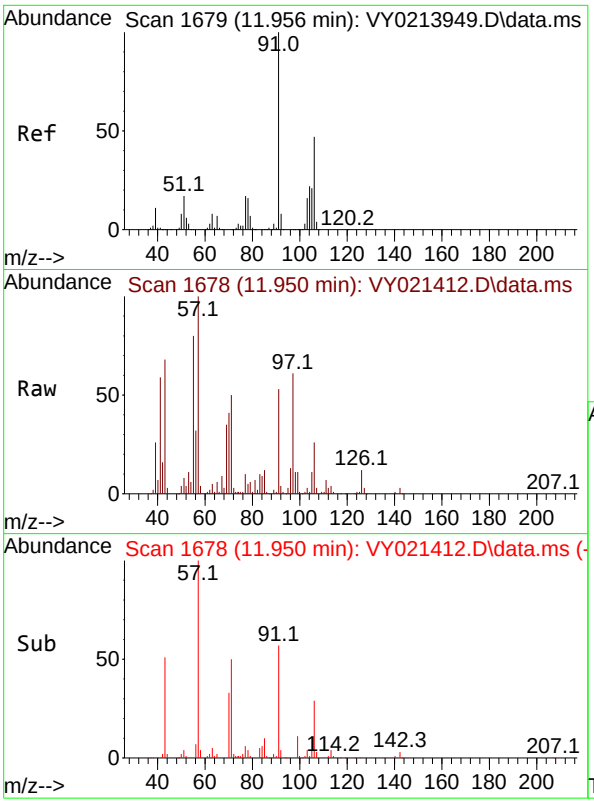


#68
m/p-Xylenes
Concen: 3.631 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:106 Resp: 23361

Ion	Ratio	Lower	Upper
106	100		
91	202.1	161.7	242.5



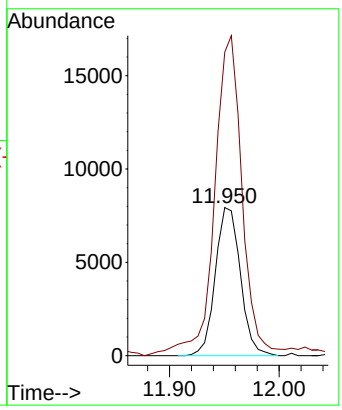


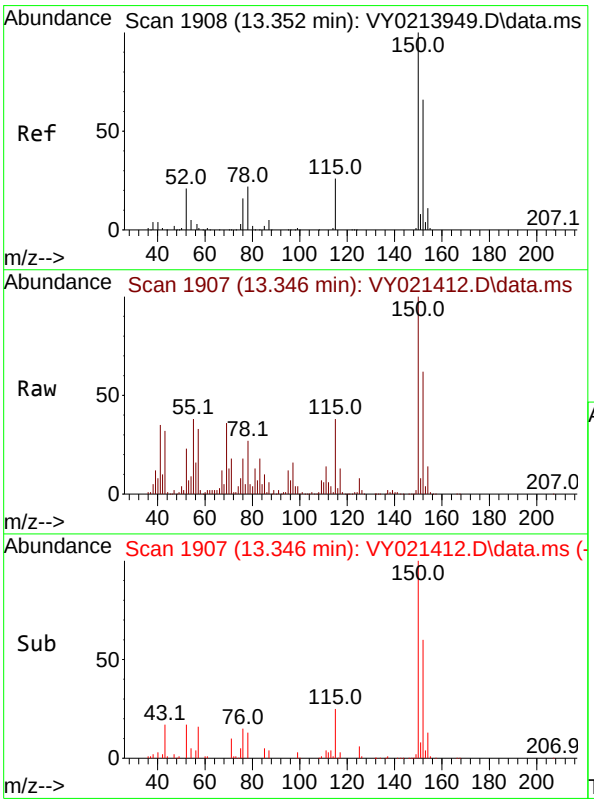
#69
o-Xylene
Concen: 2.125 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:106 Resp: 12601

Ion	Ratio	Lower	Upper
106	100		
91	238.0	107.6	322.8

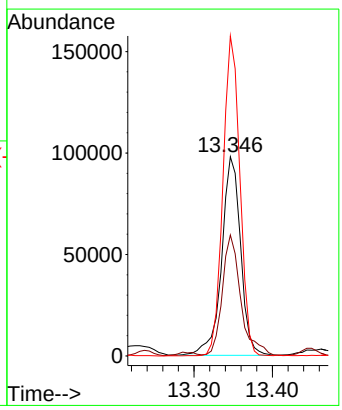


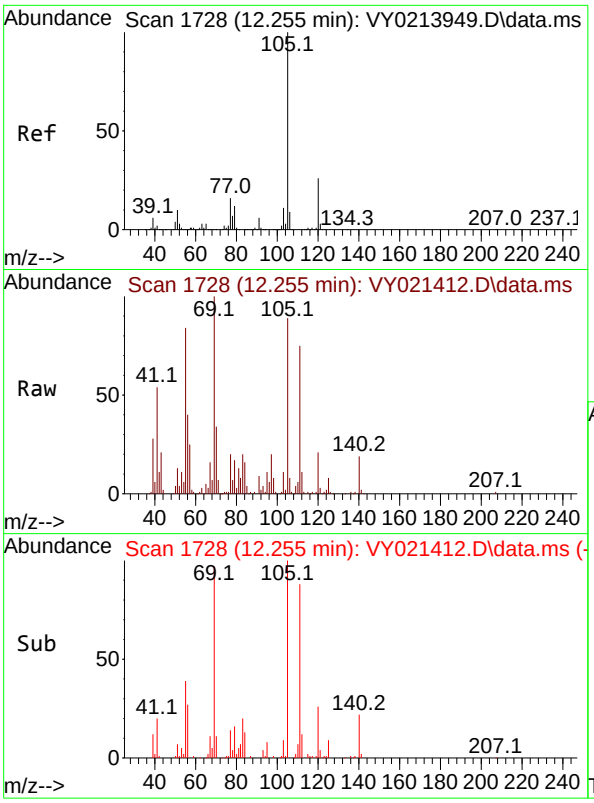


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:152 Resp: 164565

Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.0	87.0
150	144.6	0.0	347.2



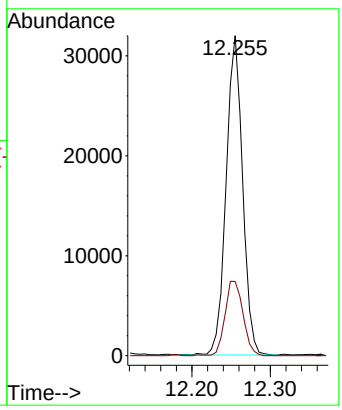


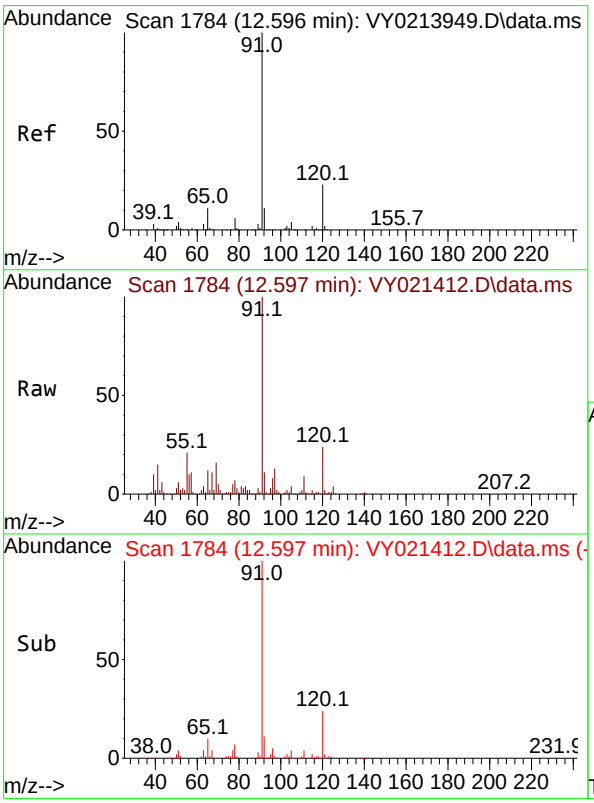
#73
Isopropylbenzene
Concen: 3.600 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:105 Resp: 46671

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.3

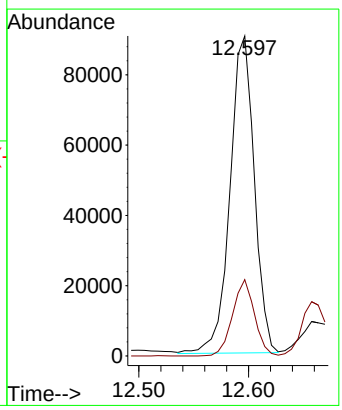


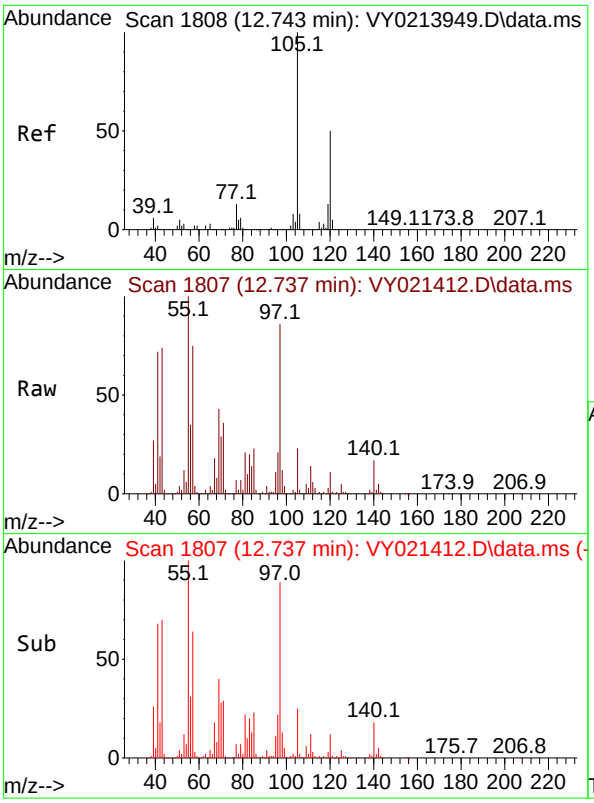


#78
n-propylbenzene
Concen: 8.814 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 91 Resp: 138761

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.3	33.8



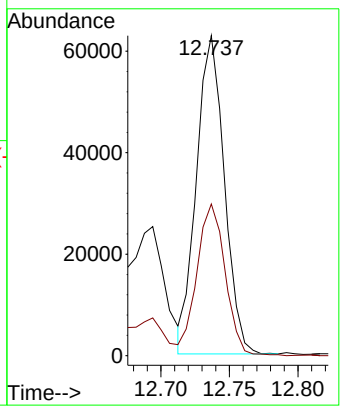


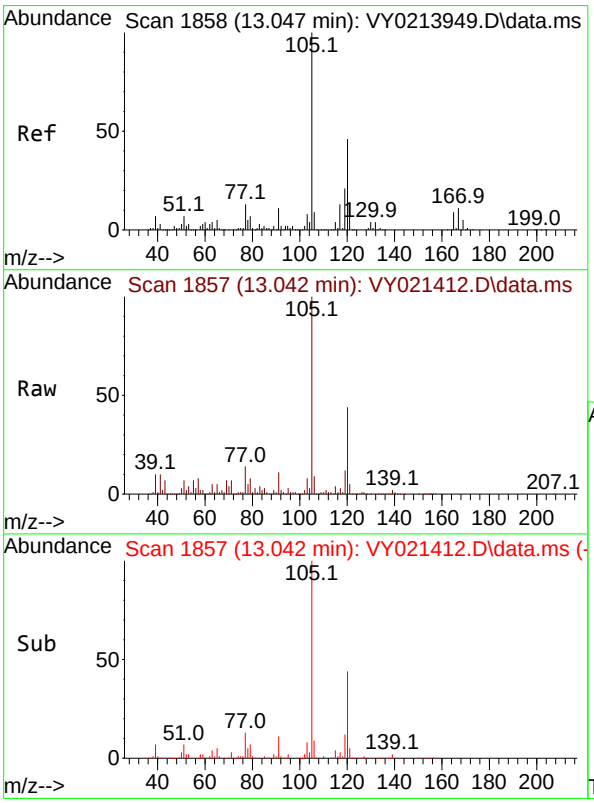
#80
1,3,5-Trimethylbenzene
Concen: 8.444 ug/l
RT: 12.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:105 Resp: 88951

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.6	73.6

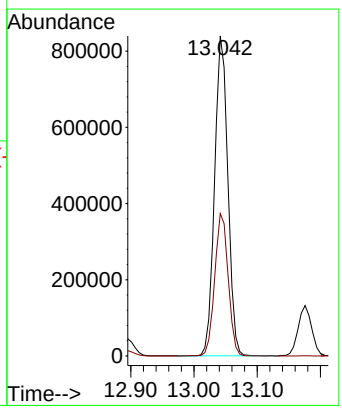


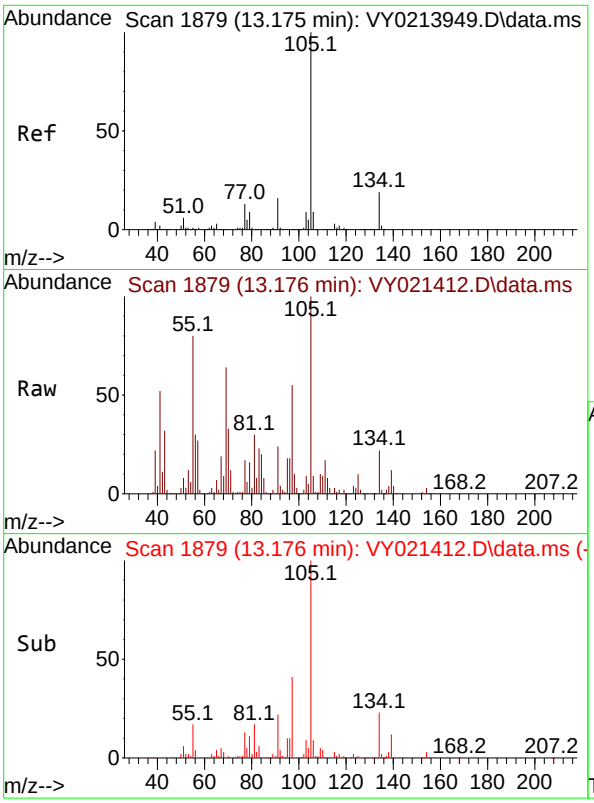


#84
1,2,4-Trimethylbenzene
Concen: 116.706 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:105 Resp: 1220706

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.7	68.1



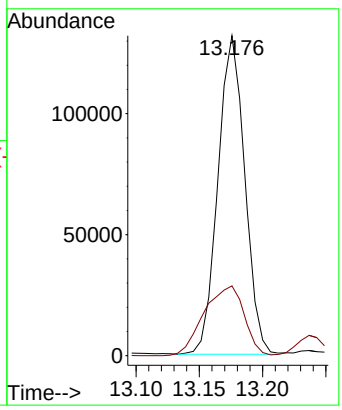


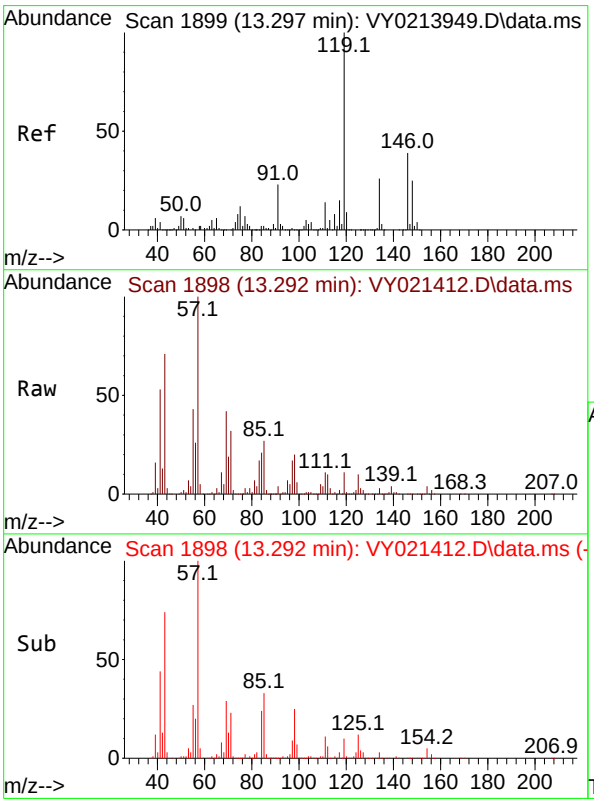
#85
sec-Butylbenzene
Concen: 13.887 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:105 Resp: 194182

Ion	Ratio	Lower	Upper
105	100		
134	32.8	9.9	29.7#

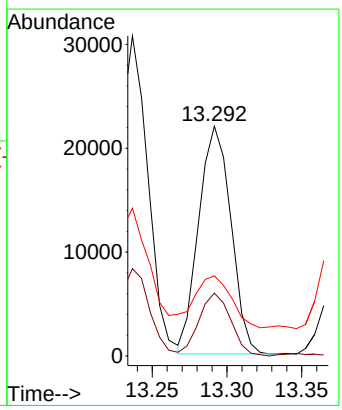


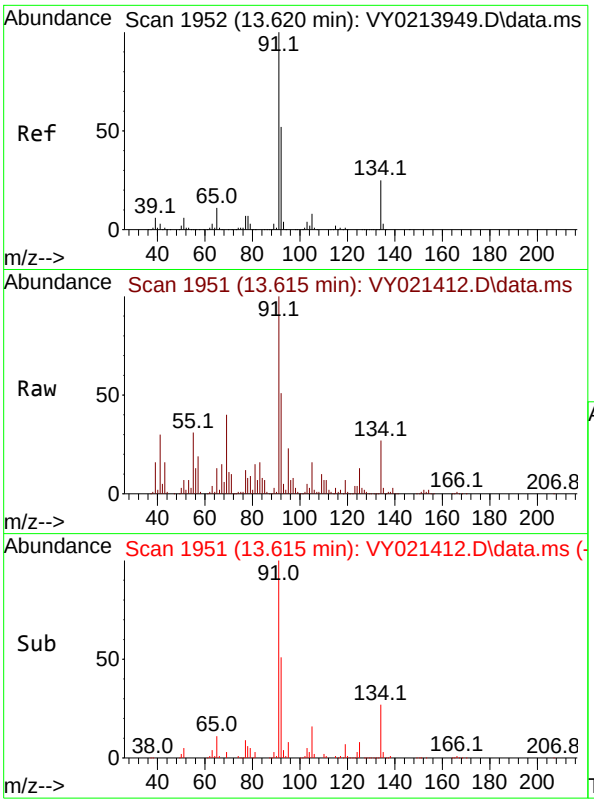


#86
p-Isopropyltoluene
Concen: 2.856 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:119 Resp: 32897

Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.1	39.1
91	24.5	12.2	36.6



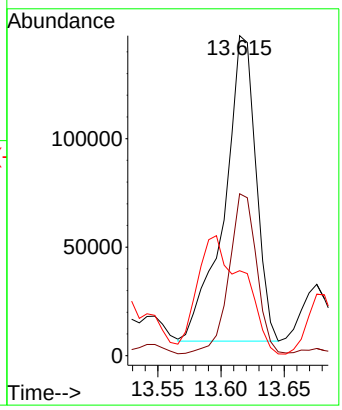


#89
n-Butylbenzene
Concen: 23.083 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion: 91 Resp: 245543

Ion	Ratio	Lower	Upper
91	100		
92	45.9	26.1	78.3
134	56.0	12.6	37.8#



Sample Results: **VY021412.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

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\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021412.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	959	970	975	rBV	222579	521973	10.65%	0.792%
2	7.707	975	982	996	rVB	334635	771981	15.75%	1.171%
3	8.061	1027	1040	1053	rBV	201392	436680	8.91%	0.662%
4	8.609	1122	1130	1144	rBV	553163	1112840	22.71%	1.688%
5	10.103	1368	1375	1384	rBV	885882	1503005	30.67%	2.279%
6	10.731	1471	1478	1483	rBV	40273	63979	1.31%	0.097%
7	10.829	1485	1494	1500	rBV2	25233	57322	1.17%	0.087%
8	10.963	1511	1516	1520	rVV	40146	62573	1.28%	0.095%
9	11.018	1520	1525	1530	rVB	89329	155299	3.17%	0.235%
10	11.133	1537	1544	1548	rBV3	60453	114544	2.34%	0.174%
11	11.219	1548	1558	1567	rVB4	93693	304118	6.21%	0.461%
12	11.304	1567	1572	1577	rBV	123397	209316	4.27%	0.317%
13	11.414	1584	1590	1600	rBV	809781	1330460	27.15%	2.018%
14	11.548	1609	1612	1616	rBV	48286	67251	1.37%	0.102%
15	11.615	1616	1623	1624	rBV4	116884	241698	4.93%	0.367%
16	11.664	1627	1631	1635	rVV	184942	291595	5.95%	0.442%
17	11.706	1635	1638	1643	rVB2	173398	259041	5.29%	0.393%
18	11.767	1643	1648	1651	rBV2	52533	97460	1.99%	0.148%
19	11.816	1651	1656	1659	rBV4	25732	55429	1.13%	0.084%
20	11.859	1659	1663	1667	rVB2	116336	169323	3.45%	0.257%
21	11.932	1667	1675	1681	rBV5	451254	1139344	23.25%	1.728%
22	11.987	1681	1684	1686	rVB	61533	64635	1.32%	0.098%
23	12.048	1690	1694	1698	rVB	714106	923055	18.83%	1.400%
24	12.091	1698	1701	1702	rBV2	68121	73091	1.49%	0.111%
25	12.127	1702	1707	1709	rBV3	355739	536653	10.95%	0.814%
26	12.164	1709	1713	1719	rVB3	674728	1284272	26.20%	1.947%
27	12.249	1724	1727	1730	rBV2	103418	123984	2.53%	0.188%
28	12.298	1730	1735	1739	rBV5	363958	686248	14.00%	1.041%
29	12.340	1739	1742	1748	rVB	685108	1007529	20.56%	1.528%
30	12.408	1748	1753	1758	rBV2	695565	1103484	22.51%	1.673%
31	12.456	1758	1761	1763	rBV3	105489	152301	3.11%	0.231%
32	12.499	1763	1768	1771	rBV4	162832	279579	5.70%	0.424%
33	12.566	1775	1779	1787	rVB4	907162	1807953	36.89%	2.742%
34	12.651	1787	1793	1798	rBV6	563042	1397895	28.52%	2.120%
35	12.731	1799	1806	1811	rBV3	2468601	4610378	94.07%	6.991%
36	12.786	1811	1815	1820	rVB3	822702	1375462	28.06%	2.086%

Sample Results: **VY021412.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

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\82Y030425S.M
Title : SW846 8260

37	12.840	1820	1824	1825	rBV3	171840	209006	4.26%	0.317%
38	12.877	1825	1830	1833	rBV3	671789	1005897	20.52%	1.525%
39	12.932	1833	1839	1841	rBV3	530155	944084	19.26%	1.432%
40	12.962	1841	1844	1851	rVB	2581921	3781280	77.15%	5.734%
41	13.042	1851	1857	1862	rBV	2563199	3999607	81.61%	6.065%
42	13.090	1862	1865	1870	rBV2	655766	1052811	21.48%	1.596%
43	13.145	1871	1874	1877	rBV3	675918	1047464	21.37%	1.588%
44	13.243	1882	1890	1894	rBV3	1949500	4032668	82.28%	6.115%
45	13.285	1894	1897	1901	rVB3	725608	1015468	20.72%	1.540%
46	13.353	1905	1908	1910	rVB2	263757	295482	6.03%	0.448%
47	13.487	1927	1930	1932	rBV3	305294	401606	8.19%	0.609%
48	13.517	1932	1935	1943	rVB3	626986	1335713	27.25%	2.025%
49	13.596	1944	1948	1950	rBV2	476478	766276	15.63%	1.162%
50	13.676	1955	1961	1965	rBV2	2809979	4901160	100.00%	7.432%
51	13.718	1965	1968	1971	rVB2	368289	464349	9.47%	0.704%
52	13.804	1979	1982	1984	rBV	529618	618813	12.63%	0.938%
53	13.840	1984	1988	1993	rVB5	1361409	2055895	41.95%	3.118%
54	13.895	1993	1997	2001	rVB	1440602	2141753	43.70%	3.248%
55	13.938	2001	2004	2009	rVB2	527445	748026	15.26%	1.134%
56	13.999	2009	2014	2019	rVB4	858294	1413393	28.84%	2.143%
57	14.066	2019	2025	2030	rVB6	437910	940791	19.20%	1.427%
58	14.121	2030	2034	2038	rBV6	232396	533236	10.88%	0.809%
59	14.182	2039	2044	2048	rBV3	701715	1544908	31.52%	2.343%
60	14.255	2053	2056	2060	rVB	822071	1101787	22.48%	1.671%
61	14.304	2060	2064	2067	rBV3	395724	558591	11.40%	0.847%
62	14.340	2067	2070	2074	rVB3	373799	461141	9.41%	0.699%
63	14.486	2090	2094	2098	rBV4	162743	326411	6.66%	0.495%
64	14.535	2098	2102	2106	rVB	388929	547251	11.17%	0.830%
65	14.590	2106	2111	2118	rBV2	799619	1535795	31.34%	2.329%
66	14.651	2118	2121	2128	rVB3	284519	486040	9.92%	0.737%
67	14.718	2128	2132	2135	rBV4	41472	83825	1.71%	0.127%
68	14.864	2152	2156	2159	rBV3	121627	168821	3.44%	0.256%
69	14.968	2168	2173	2178	rVB3	98946	197316	4.03%	0.299%
70	15.139	2196	2201	2204	rBV2	46040	94579	1.93%	0.143%
71	15.242	2214	2218	2223	rVB4	79142	127902	2.61%	0.194%
72	15.328	2228	2232	2243	rVB2	122806	267407	5.46%	0.405%
73	15.511	2257	2262	2267	rVB9	31460	65212	1.33%	0.099%
74	15.633	2279	2282	2288	rVB7	35503	65442	1.34%	0.099%
75	15.925	2327	2330	2336	rVB4	54163	93249	1.90%	0.141%
76	16.206	2369	2376	2382	rVB4	42029	123766	2.53%	0.188%

Sample Results: **VY021412.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

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\82Y030425S.M
Title : SW846 8260

Sum of corrected areas: 65945971

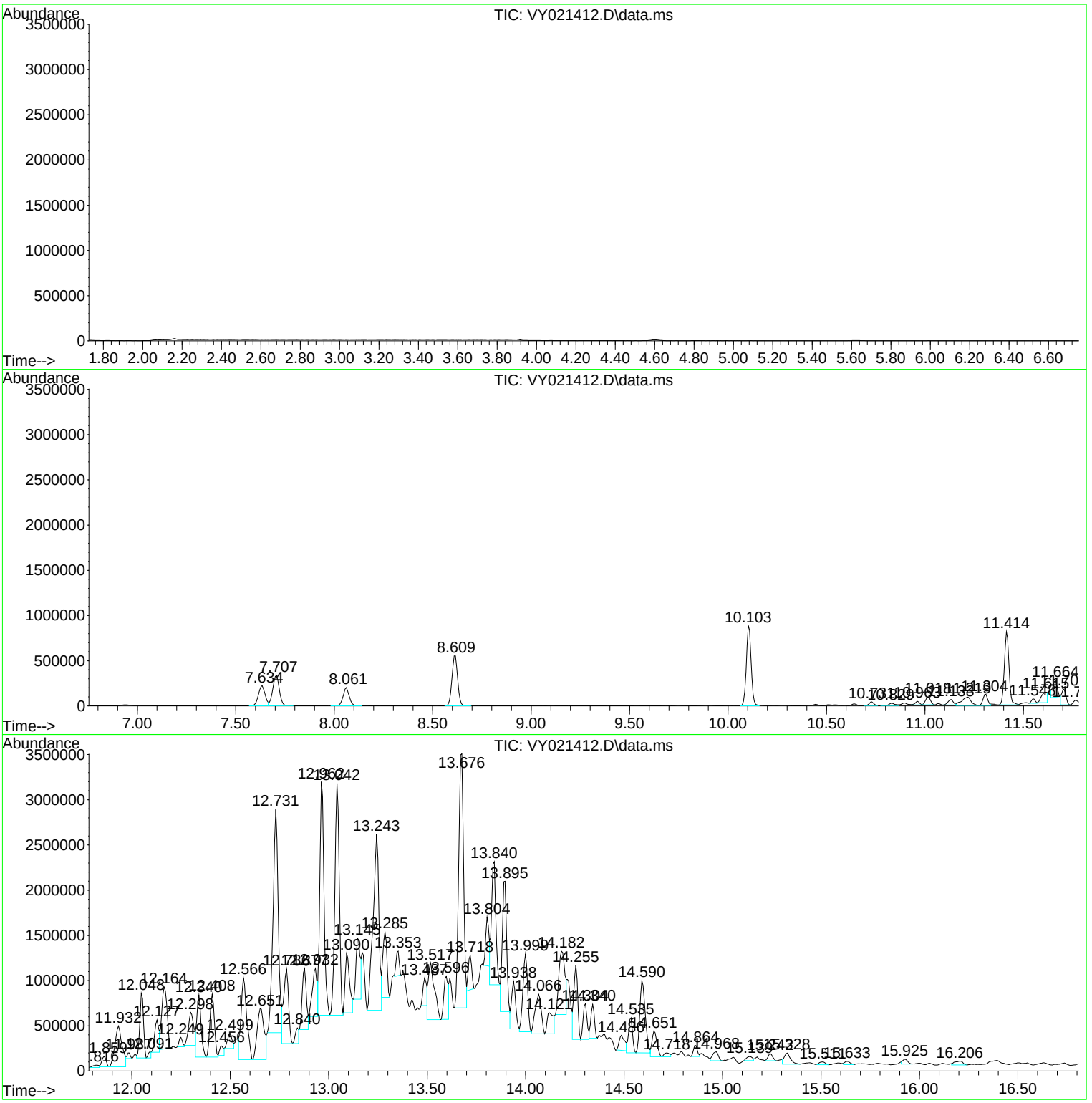
Sample Results: **VY021412.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

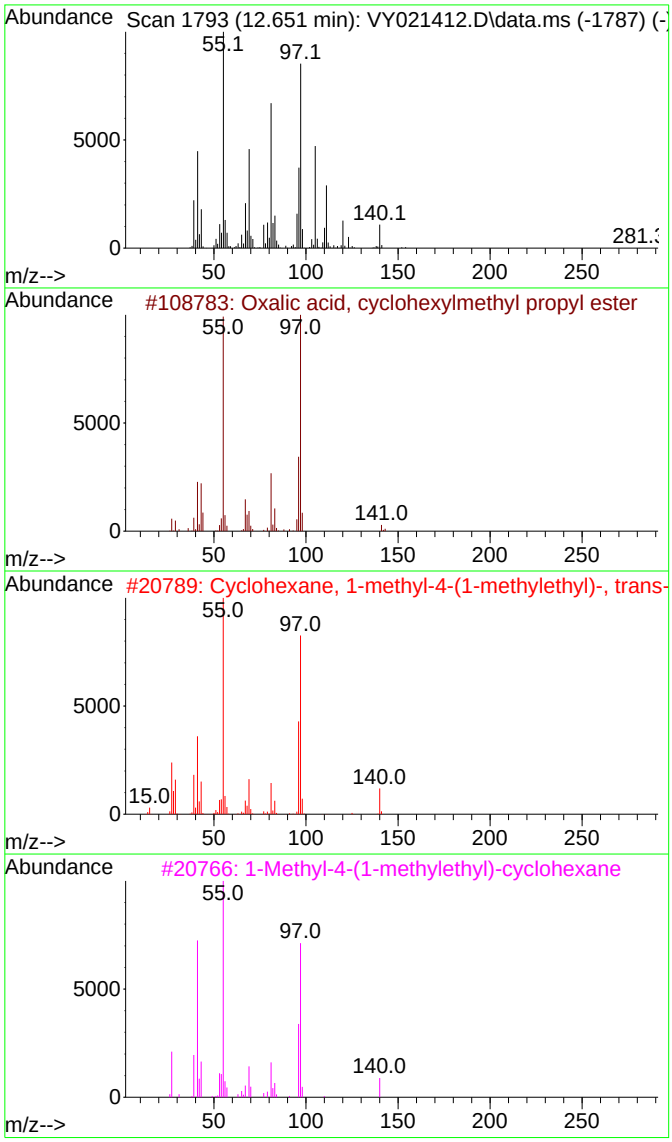
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

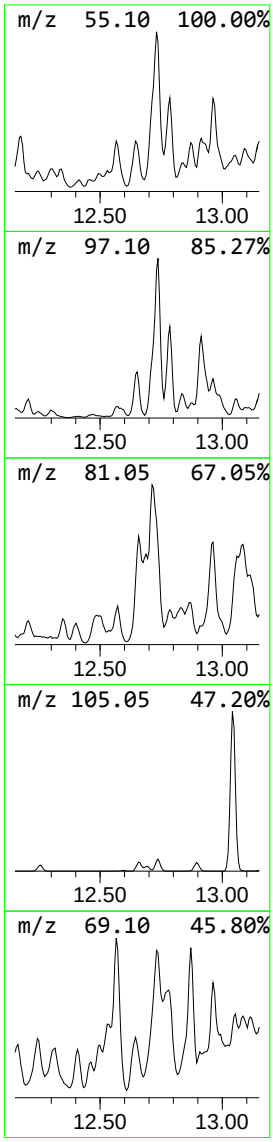
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Oxalic acid, cyclohexylmeth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.651	236.54 ug/l	1397900	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	53
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	52
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	52
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	52
5	Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

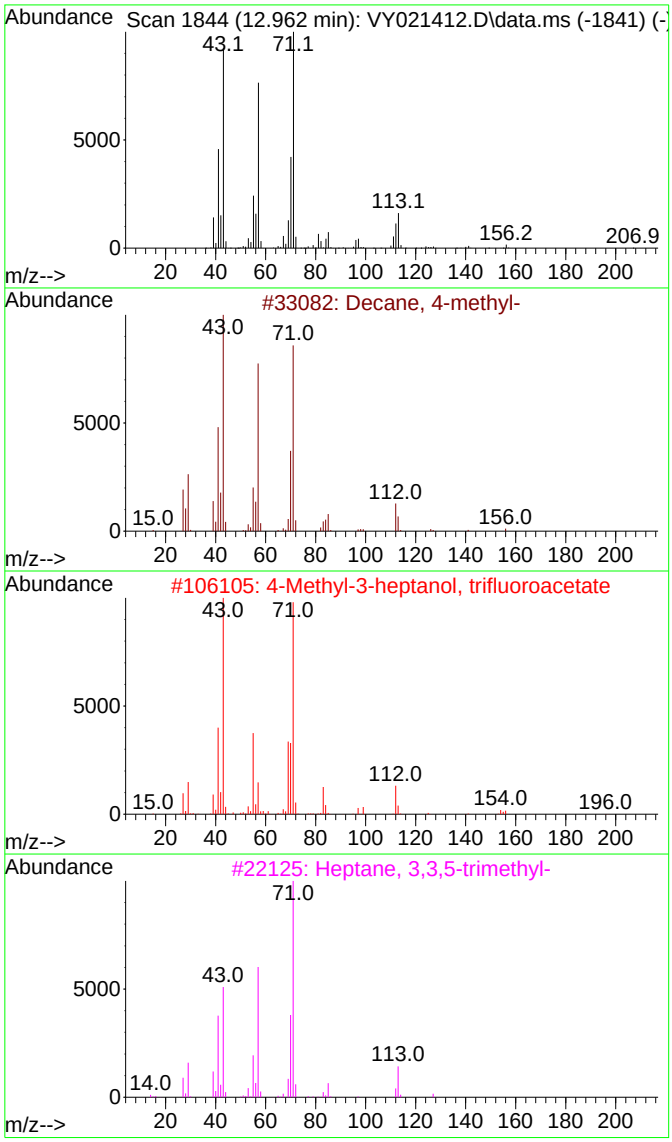
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

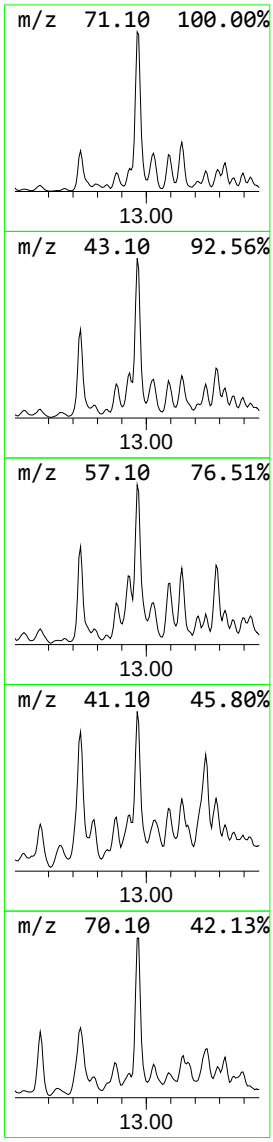
****

Peak Number 2 Decane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.962	639.85 ug/l	3781280	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	72
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

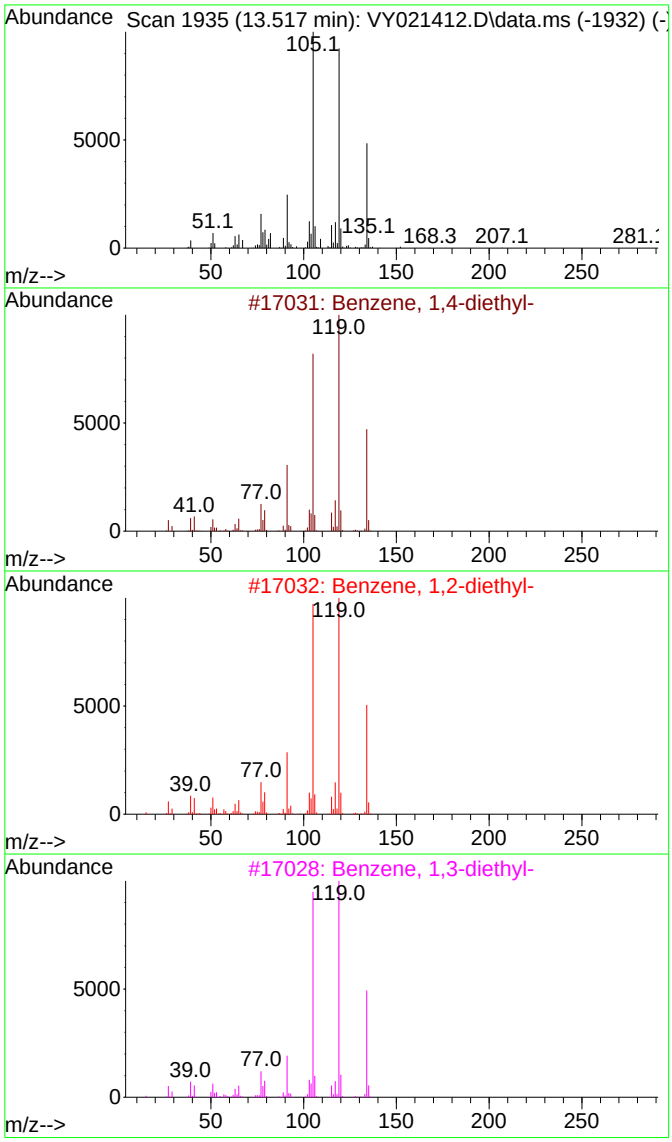
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

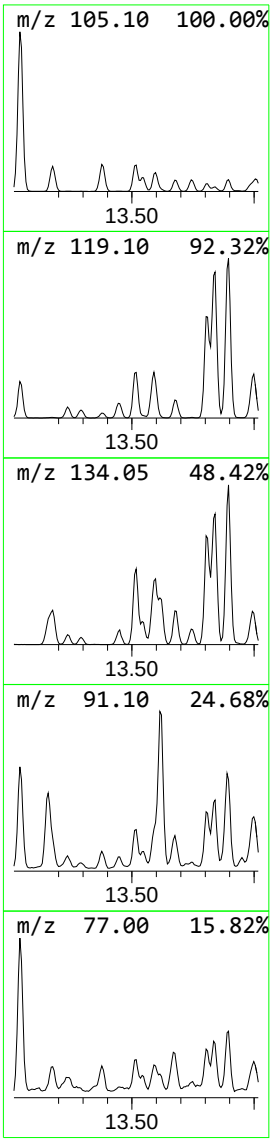
****

Peak Number 3 Benzene, 1,4-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.517	226.02 ug/l	1335710	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

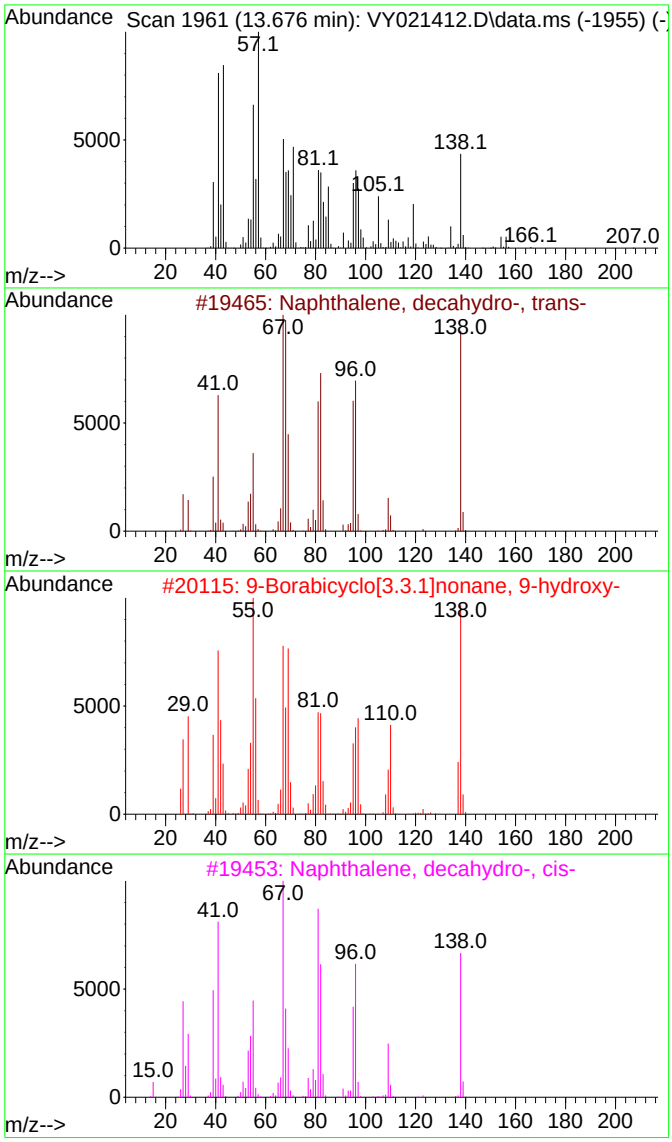
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

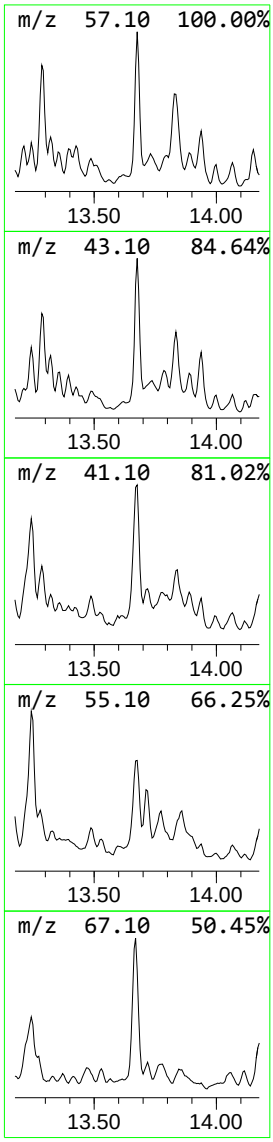
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, decahydro-, tr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	829.35 ug/l	4901160	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	86
2	9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	50
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	46
4	Cyclodecene	138	C10H18	003618-12-0	41
5	Naphthalene, decahydro-	138	C10H18	000091-17-8	41





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

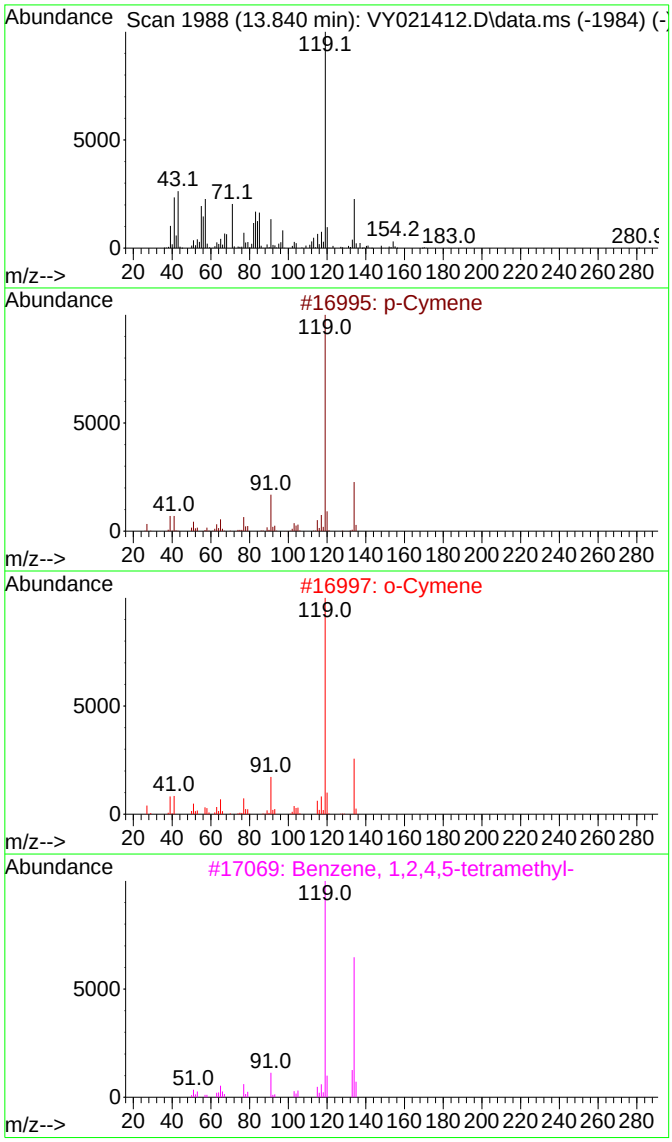
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

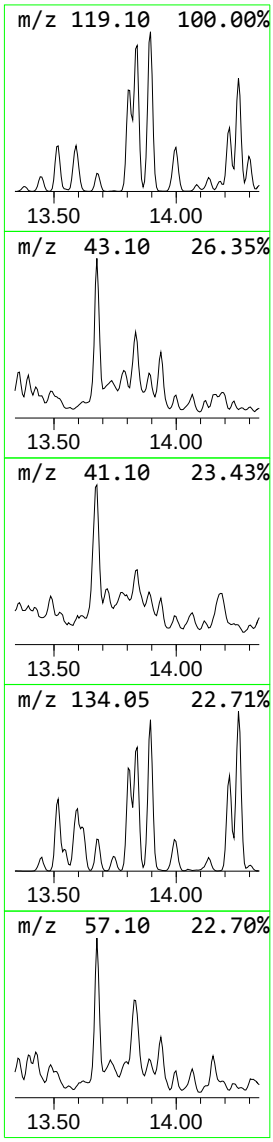
****

Peak Number 5 p-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.840	347.89 ug/l	2055900	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	93
2	o-Cymene	134	C10H14	000527-84-4	93
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	86
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

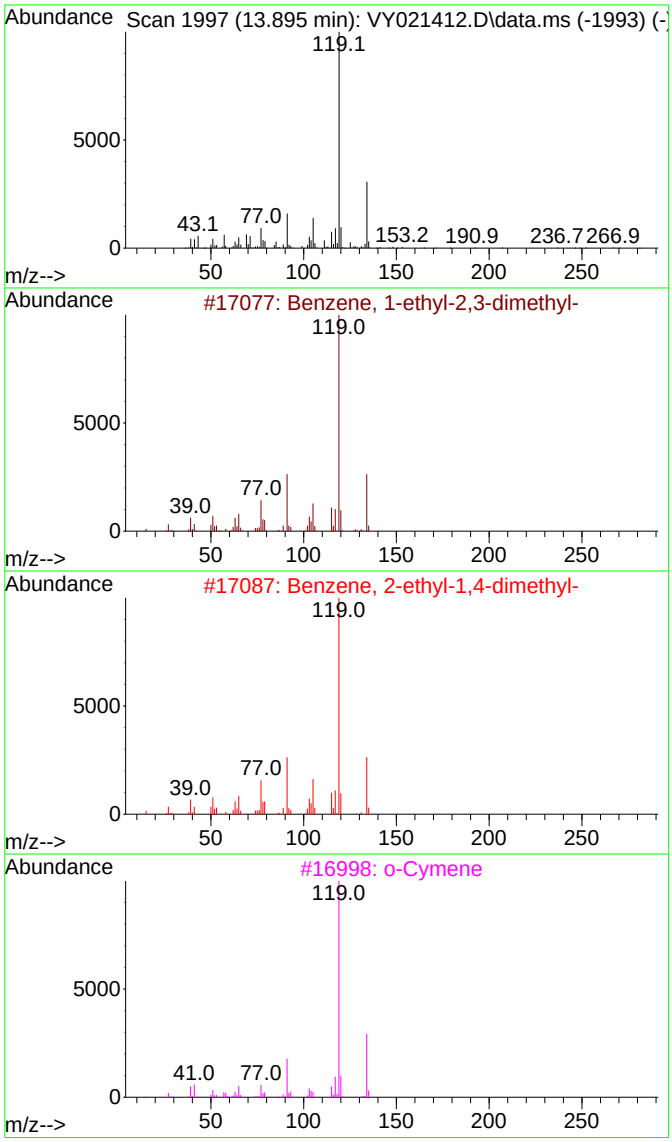
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

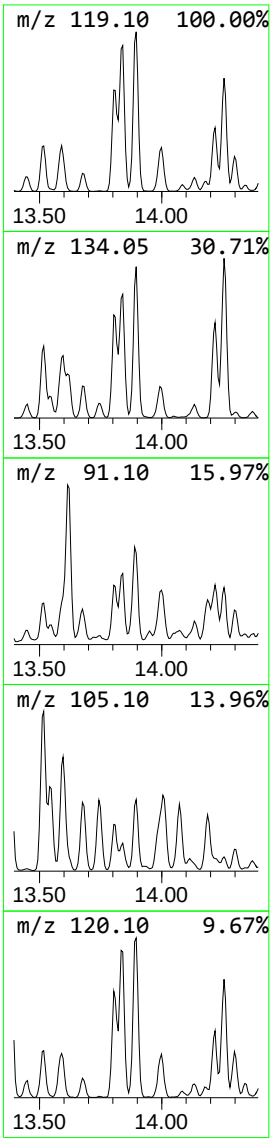
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.895	362.42 ug/l	2141750	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

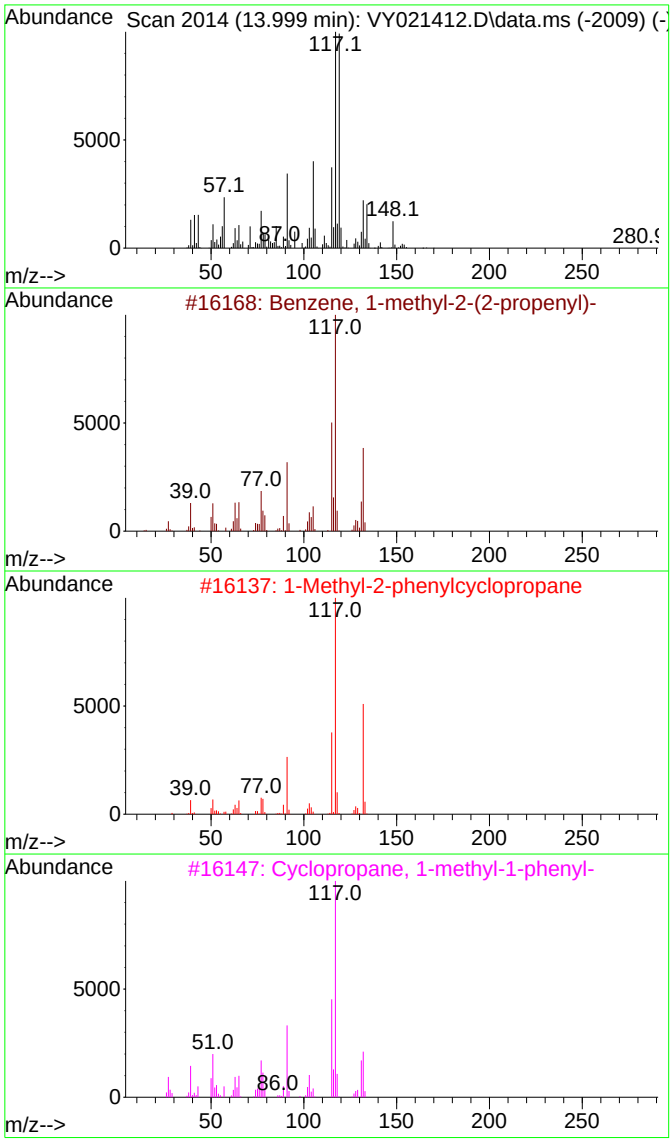
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

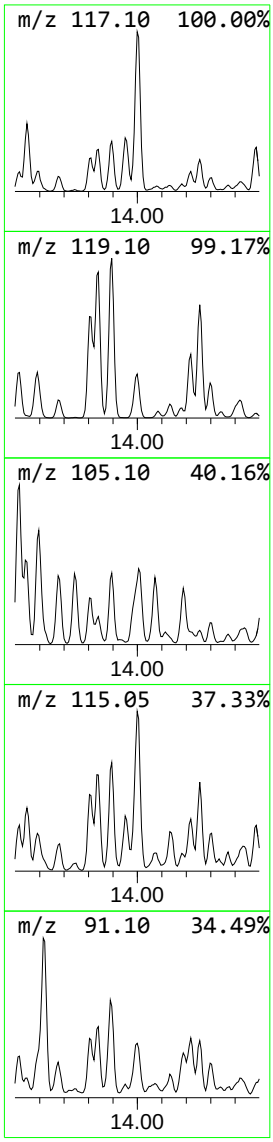
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-methyl-2-(2-prop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	239.17 ug/l	1413390	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	52
3	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	50
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

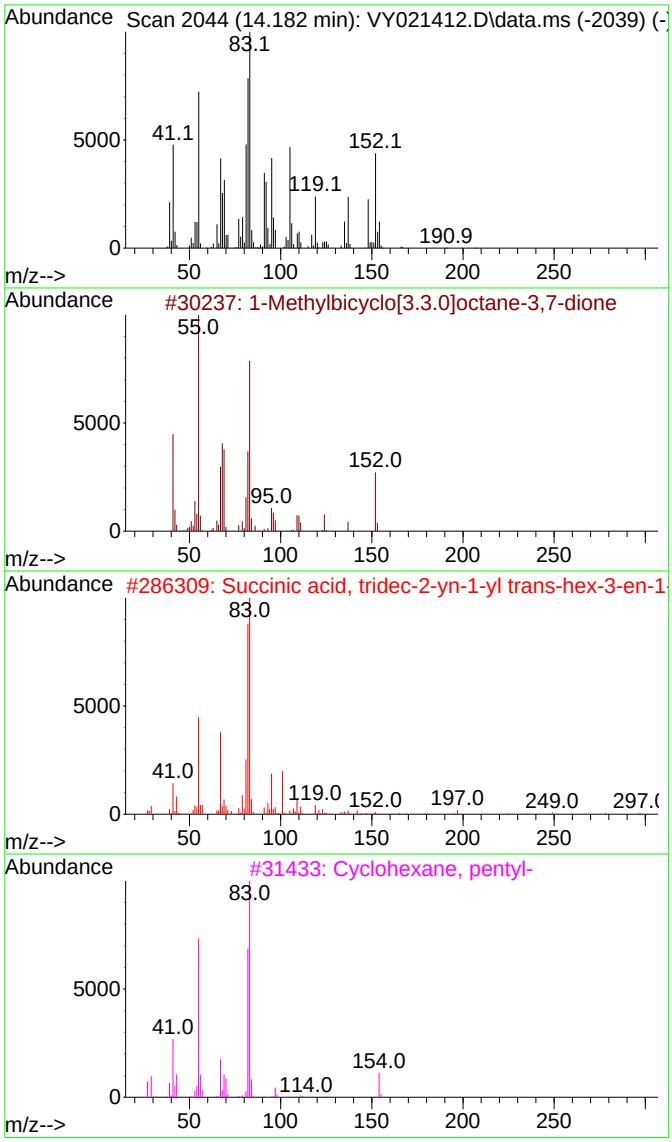
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

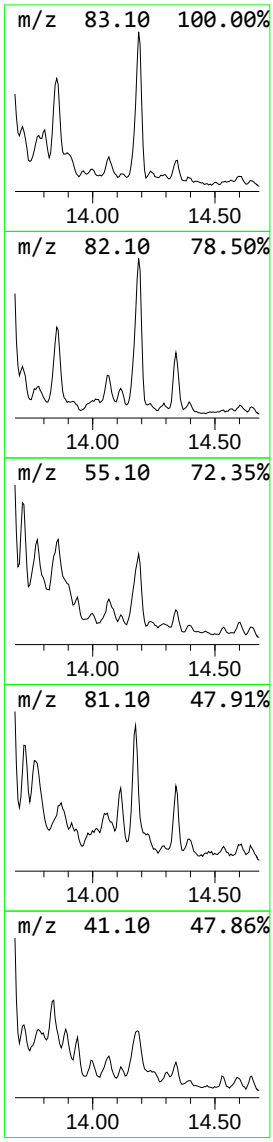
****

Peak Number 8 unknown14.182 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.182	261.42 ug/l	1544910	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	43
2	Succinic acid, tridec-2-yn-1-yl ...	378	C23H38O4	1000391-12-6	43
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	38
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

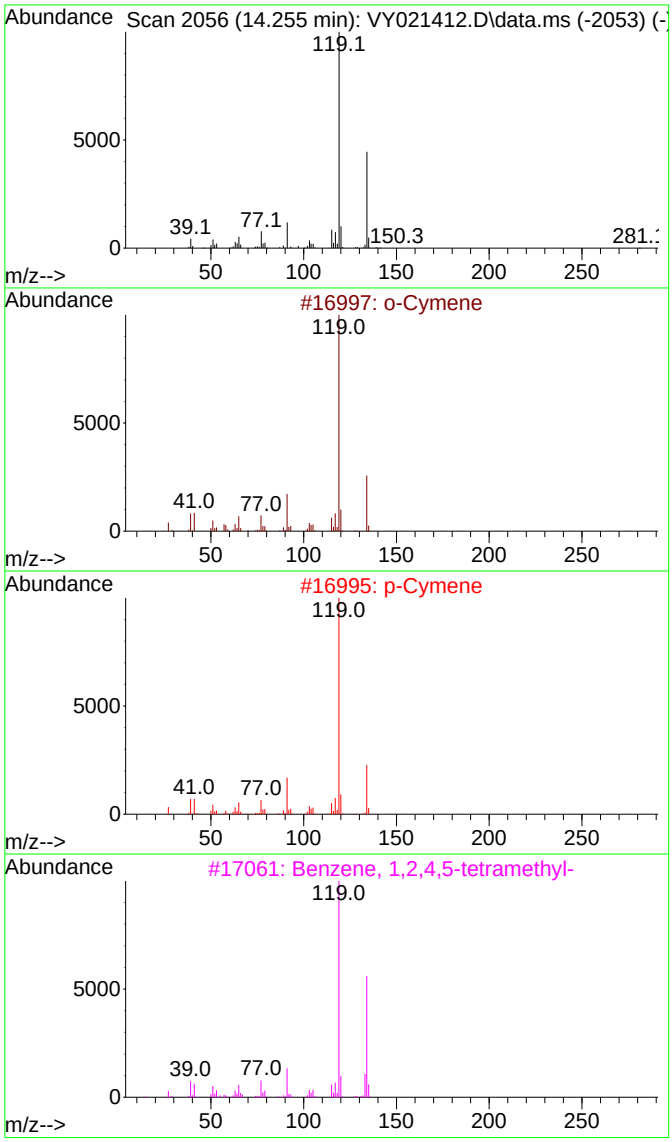
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

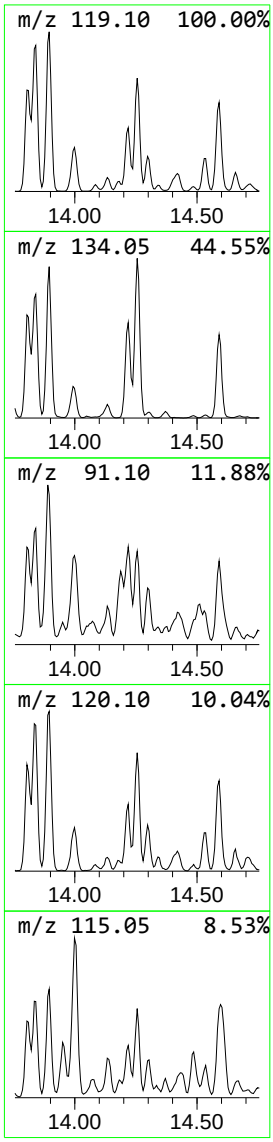
****

Peak Number 9 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	186.44 ug/l	1101790	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	p-Cymene	134	C10H14	000099-87-6	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

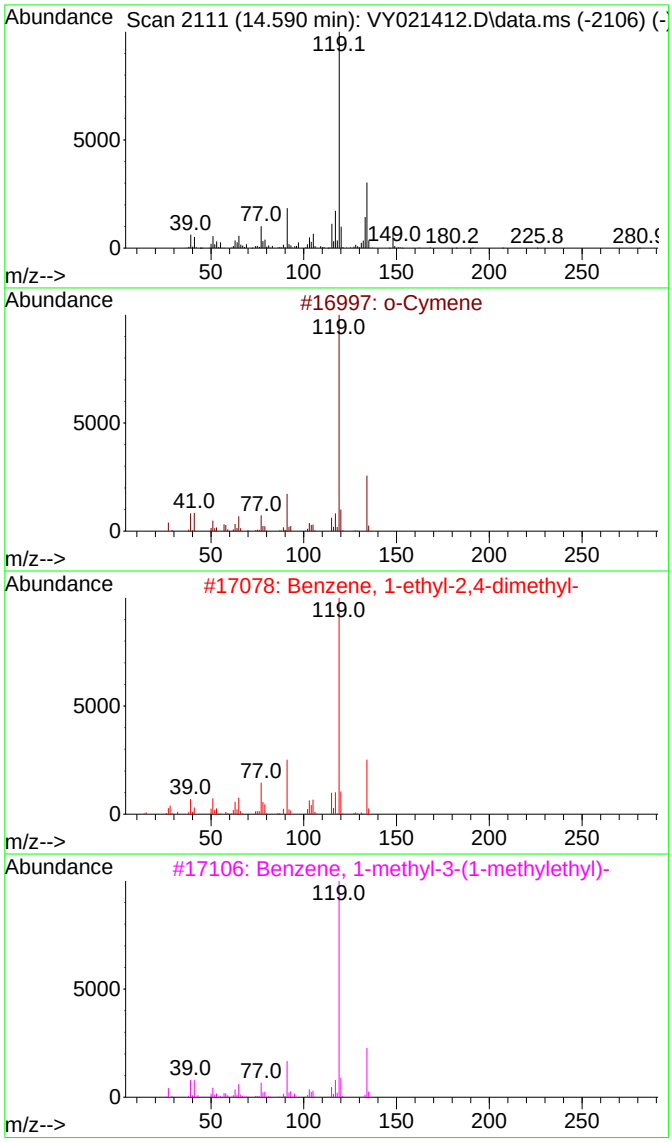
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

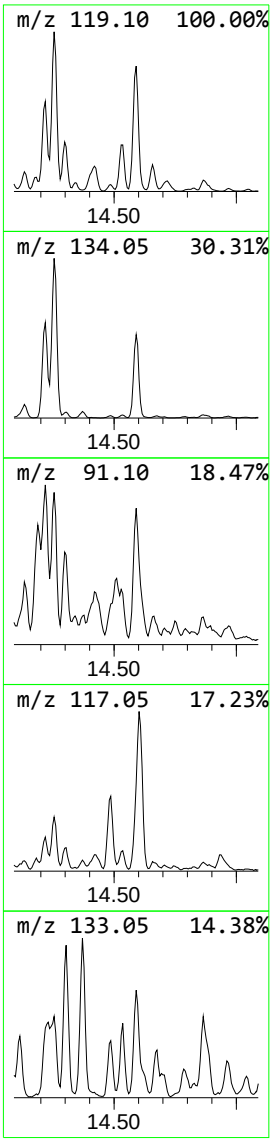
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.590	259.88 ug/l	1535800	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
5	p-Cymene	134	C10H14	000099-87-6	87





Sample Results: **VY021412.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.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
Oxalic acid, cy...	12.651	236.5	ug/l	1397900	4	13.346	295482	50.0
Decane, 4-methyl-	12.962	639.9	ug/l	3781280	4	13.346	295482	50.0
Benzene, 1,4-di...	13.517	226.0	ug/l	1335710	4	13.346	295482	50.0
Naphthalene, de...	13.676	829.4	ug/l	4901160	4	13.346	295482	50.0
p-Cymene	13.840	347.9	ug/l	2055900	4	13.346	295482	50.0
Benzene, 1-ethy...	13.895	362.4	ug/l	2141750	4	13.346	295482	50.0
Benzene, 1-meth...	13.999	239.2	ug/l	1413390	4	13.346	295482	50.0
unknown14.182	14.182	261.4	ug/l	1544910	4	13.346	295482	50.0
o-Cymene	14.255	186.4	ug/l	1101790	4	13.346	295482	50.0
Benzene, 1-ethy...	14.590	259.9	ug/l	1535800	4	13.346	295482	50.0

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: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

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

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.493	0.416	0.447	0.440	0.429	0.529	0.459	9.4
Chloromethane	0.694	0.588	0.617	0.608	0.580	0.793	0.647	12.7
Vinyl Chloride	0.762	0.639	0.691	0.706	0.665	0.778	0.707	7.7
Bromomethane	0.555	0.450	0.468	0.483	0.468	0.641	0.511	14.4
Chloroethane	0.505	0.427	0.460	0.458	0.432	0.521	0.467	8.2
Trichlorofluoromethane	1.050	0.896	0.967	0.963	0.935	1.109	0.987	8
1,1,2-Trichlorotrifluoroethane	0.600	0.507	0.538	0.542	0.525	0.668	0.563	10.7
1,1-Dichloroethene	0.542	0.460	0.506	0.512	0.494	0.566	0.514	7.2
Acetone	0.124	0.091	0.134	0.103	0.095	0.144	0.115	18.9
Carbon Disulfide	1.705	1.425	1.631	1.618	1.546	1.732	1.610	7
Methyl tert-butyl Ether	1.290	1.177	1.366	1.299	1.315	1.364	1.302	5.3
Methyl Acetate	0.253	0.227	0.284	0.245	0.257	0.268	0.256	7.6
Methylene Chloride	0.717	0.538	0.552	0.530	0.507	0.788	0.605	19.4
trans-1,2-Dichloroethene	0.608	0.516	0.564	0.570	0.545	0.648	0.575	8.1
1,1-Dichloroethane	1.124	0.955	1.050	1.035	0.991	1.179	1.056	7.9
Cyclohexane	1.039	0.885	0.941	0.943	0.914	1.216	0.990	12.4
2-Butanone	0.160	0.136	0.181	0.149	0.151	0.180	0.159	11.2
Carbon Tetrachloride	0.627	0.538	0.587	0.595	0.579	0.625	0.592	5.6
cis-1,2-Dichloroethene	0.675	0.592	0.654	0.658	0.639	0.702	0.653	5.6
Bromochloromethane	0.481	0.423	0.467	0.426	0.380	0.478	0.443	9
Chloroform	1.181	0.992	1.087	1.066	1.029	1.222	1.096	8.1
1,1,1-Trichloroethane	1.063	0.894	0.978	0.983	0.953	1.151	1.004	9
Methylcyclohexane	0.595	0.550	0.651	0.680	0.669	0.641	0.631	7.8
Benzene	1.554	1.366	1.542	1.540	1.473	1.618	1.515	5.7
1,2-Dichloroethane	0.446	0.386	0.436	0.414	0.408	0.453	0.424	6.1
Trichloroethene	0.390	0.349	0.381	0.384	0.378	0.415	0.383	5.5
1,2-Dichloropropane	0.371	0.333	0.368	0.358	0.347	0.388	0.361	5.3
Bromodichloromethane	0.550	0.485	0.548	0.535	0.521	0.559	0.533	5
4-Methyl-2-Pentanone	0.210	0.202	0.263	0.230	0.243	0.219	0.228	9.9
Toluene	0.952	0.853	0.988	0.997	0.958	0.983	0.955	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.

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: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

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

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.447	0.420	0.499	0.495	0.495	0.461	0.470	6.8
cis-1,3-Dichloropropene	0.544	0.498	0.587	0.579	0.566	0.570	0.557	5.8
1,1,2-Trichloroethane	0.264	0.237	0.283	0.259	0.257	0.274	0.263	6
2-Hexanone	0.135	0.129	0.182	0.156	0.163	0.139	0.151	13.1
Dibromochloromethane	0.358	0.327	0.376	0.363	0.361	0.374	0.360	4.9
1,2-Dibromoethane	0.246	0.226	0.262	0.248	0.247	0.258	0.248	5.1
Tetrachloroethene	0.418	0.370	0.403	0.407	0.393	0.449	0.407	6.5
Chlorobenzene	1.194	1.065	1.186	1.192	1.165	1.283	1.181	5.9
Ethyl Benzene	2.005	1.825	2.135	2.209	2.146	2.115	2.072	6.7
m/p-Xylenes	0.761	0.705	0.822	0.833	0.803	0.797	0.787	6
o-Xylene	0.700	0.635	0.759	0.779	0.754	0.723	0.725	7.2
Styrene	1.133	1.084	1.277	1.306	1.267	1.151	1.203	7.6
Bromoform	0.227	0.213	0.250	0.237	0.238	0.235	0.233	5.3
Isopropylbenzene	3.797	3.468	4.034	4.231	4.124	3.977	3.939	6.9
1,1,2,2-Tetrachloroethane	0.712	0.637	0.727	0.667	0.690	0.737	0.695	5.4
1,3-Dichlorobenzene	1.861	1.640	1.812	1.840	1.822	2.031	1.834	6.8
1,4-Dichlorobenzene	1.820	1.624	1.782	1.783	1.764	1.989	1.794	6.5
1,2-Dichlorobenzene	1.561	1.431	1.588	1.568	1.560	1.723	1.572	5.9
1,2-Dibromo-3-Chloropropane	0.101	0.092	0.108	0.098	0.108	0.117	0.104	8.3
1,2,4-Trichlorobenzene	0.723	0.735	0.908	0.926	0.994	0.864	0.859	12.7
1,2,3-Trichlorobenzene	0.604	0.614	0.775	0.771	0.835	0.734	0.722	13
1,2-Dichloroethane-d4	0.580	0.514	0.482	0.511	0.477	0.606	0.528	10
Dibromofluoromethane	0.348	0.315	0.296	0.332	0.311	0.371	0.329	8.3
Toluene-d8	1.276	1.179	1.135	1.289	1.203	1.384	1.244	7.2
4-Bromofluorobenzene	0.424	0.394	0.386	0.433	0.405	0.498	0.423	9.6

* 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 : 82Y030425S.M
Title : SW846 8260
Last Update : Wed Mar 05 12:42:45 2025
Response Via : Initial Calibration

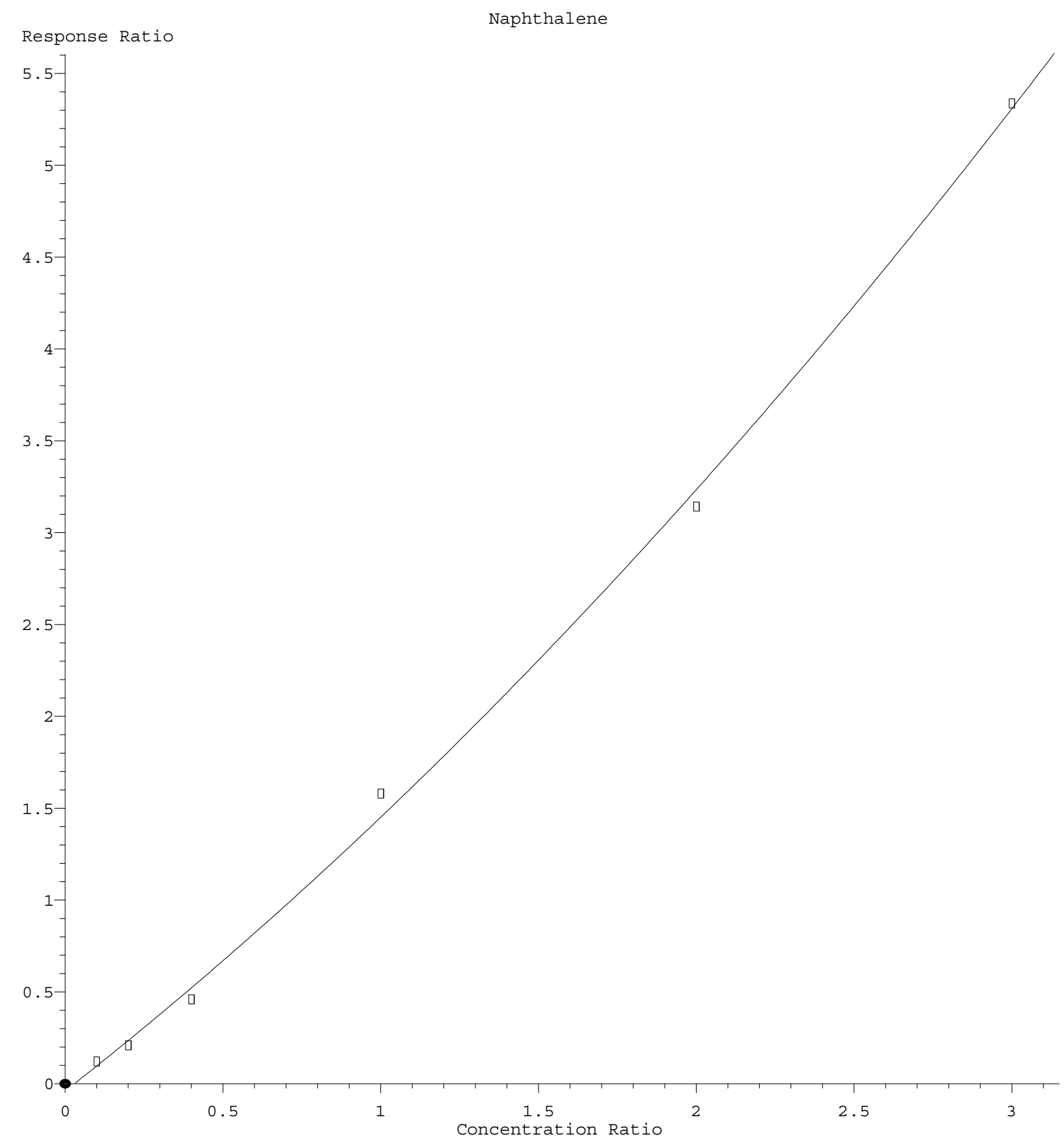
Calibration Files
5 =VY021403.D 10 =VY021397.D 20 =VY021398.D 50 =VY021399.D 100 =VY021400.D 150 =VY021401.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.529	0.493	0.416	0.447	0.440	0.429	0.459	9.38
3)	P	Chloromethane	0.793	0.694	0.588	0.617	0.608	0.580	0.647	12.70
4)	C	Vinyl Chloride	0.778	0.762	0.639	0.691	0.706	0.665	0.707	7.70#
5)	T	Bromomethane	0.641	0.555	0.450	0.468	0.483	0.468	0.511	14.40
6)	T	Chloroethane	0.521	0.505	0.427	0.460	0.458	0.432	0.467	8.21
7)	T	Trichlorofluor...	1.109	1.050	0.896	0.967	0.963	0.935	0.987	7.97
8)	T	Diethyl Ether	0.301	0.280	0.249	0.283	0.264	0.263	0.273	6.77
9)	T	1,1,2-Trichlor...	0.668	0.600	0.507	0.538	0.542	0.525	0.563	10.69
10)	T	Methyl Iodide	0.492	0.562	0.515	0.632	0.628	0.606	0.573	10.39
11)	T	Tert butyl alc...	0.061	0.049	0.036	0.038	0.030	0.033	0.041	28.30
12)	CM	1,1-Dichloroet...	0.566	0.542	0.460	0.506	0.512	0.494	0.514	7.23#
13)	T	Acrolein	0.054	0.051	0.043	0.005	0.004	0.004	0.027	92.94
14)	T	Allyl chloride	0.883	0.851	0.744	0.842	0.847	0.813	0.830	5.72
15)	T	Acrylonitrile	0.122	0.121	0.105	0.125	0.111	0.113	0.116	6.52
16)	T	Acetone	0.144	0.124	0.091	0.134	0.103	0.095	0.115	18.92
17)	T	Carbon Disulfide	1.732	1.705	1.425	1.631	1.618	1.546	1.610	6.95
18)	T	Methyl Acetate	0.268	0.253	0.227	0.284	0.245	0.257	0.256	7.60
19)	T	Methyl tert-bu...	1.364	1.289	1.177	1.366	1.299	1.315	1.302	5.30
20)	T	Methylene Chlo...	0.788	0.717	0.538	0.552	0.530	0.507	0.605	19.37
21)	T	trans-1,2-Dich...	0.648	0.608	0.516	0.564	0.570	0.545	0.575	8.12
22)	T	Diisopropyl ether	1.846	1.824	1.675	1.851	1.798	1.738	1.789	3.87
23)	T	Vinyl Acetate	1.014	0.996	0.937	1.110	1.032	1.035	1.021	5.55
24)	P	1,1-Dichloroet...	1.179	1.124	0.955	1.050	1.035	0.991	1.056	7.88
25)	T	2-Butanone	0.180	0.160	0.136	0.181	0.149	0.151	0.159	11.20
26)	T	2,2-Dichloropr...	1.106	1.043	0.860	0.938	0.955	0.926	0.971	9.11
27)	T	cis-1,2-Dichlo...	0.702	0.675	0.592	0.654	0.658	0.639	0.653	5.64
28)	T	Bromochloromet...	0.478	0.481	0.423	0.467	0.426	0.380	0.443	8.99
29)	T	Tetrahydrofuran	0.104	0.096	0.089	0.111	0.094	0.098	0.098	7.69
30)	C	Chloroform	1.222	1.181	0.992	1.087	1.066	1.029	1.096	8.11#
31)	T	Cyclohexane	1.216	1.039	0.885	0.941	0.943	0.914	0.990	12.38
32)	T	1,1,1-Trichlor...	1.151	1.063	0.894	0.978	0.983	0.953	1.004	9.02
33)	S	1,2-Dichloroet...	0.606	0.580	0.514	0.482	0.511	0.477	0.528	9.98
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.371	0.348	0.315	0.296	0.332	0.311	0.329	8.31
36)	T	1,1-Dichloropr...	0.549	0.528	0.462	0.518	0.525	0.504	0.514	5.73
37)	T	Ethyl Acetate	0.242	0.225	0.206	0.248	0.220	0.225	0.227	6.72
38)	T	Carbon Tetrach...	0.625	0.627	0.538	0.587	0.595	0.579	0.592	5.56
39)	T	Methylcyclohexane	0.641	0.595	0.550	0.651	0.680	0.669	0.631	7.84
40)	TM	Benzene	1.618	1.554	1.366	1.542	1.540	1.473	1.515	5.71
41)	T	Methacrylonitrile	0.122	0.132	0.104	0.131	0.129	0.124	0.124	8.53
42)	TM	1,2-Dichloroet...	0.453	0.446	0.386	0.436	0.414	0.408	0.424	6.07
43)	T	Isopropyl Acetate	0.456	0.421	0.386	0.483	0.442	0.461	0.441	7.75
44)	TM	Trichloroethene	0.415	0.390	0.349	0.381	0.384	0.378	0.383	5.51
45)	C	1,2-Dichloropr...	0.388	0.371	0.333	0.368	0.358	0.347	0.361	5.33#
46)	T	Dibromomethane	0.208	0.202	0.185	0.212	0.198	0.198	0.201	4.75
47)	T	Bromodichlorom...	0.559	0.550	0.485	0.548	0.535	0.521	0.533	5.05
48)	T	Methyl methacr...	0.187	0.183	0.184	0.229	0.212	0.222	0.203	10.14
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	10.05
50)	S	Toluene-d8	1.384	1.276	1.179	1.135	1.289	1.203	1.244	7.24
51)	T	4-Methyl-2-Pen...	0.219	0.210	0.202	0.263	0.230	0.243	0.228	9.85
52)	CM	Toluene	0.983	0.952	0.853	0.988	0.997	0.958	0.955	5.56#
53)	T	t-1,3-Dichloro...	0.461	0.447	0.420	0.499	0.495	0.495	0.470	6.82
54)	T	cis-1,3-Dichlo...	0.570	0.544	0.498	0.587	0.579	0.566	0.557	5.84
55)	T	1,1,2-Trichlor...	0.274	0.264	0.237	0.283	0.259	0.257	0.263	5.99
56)	T	Ethyl methacry...	0.291	0.293	0.289	0.383	0.367	0.386	0.335	14.50

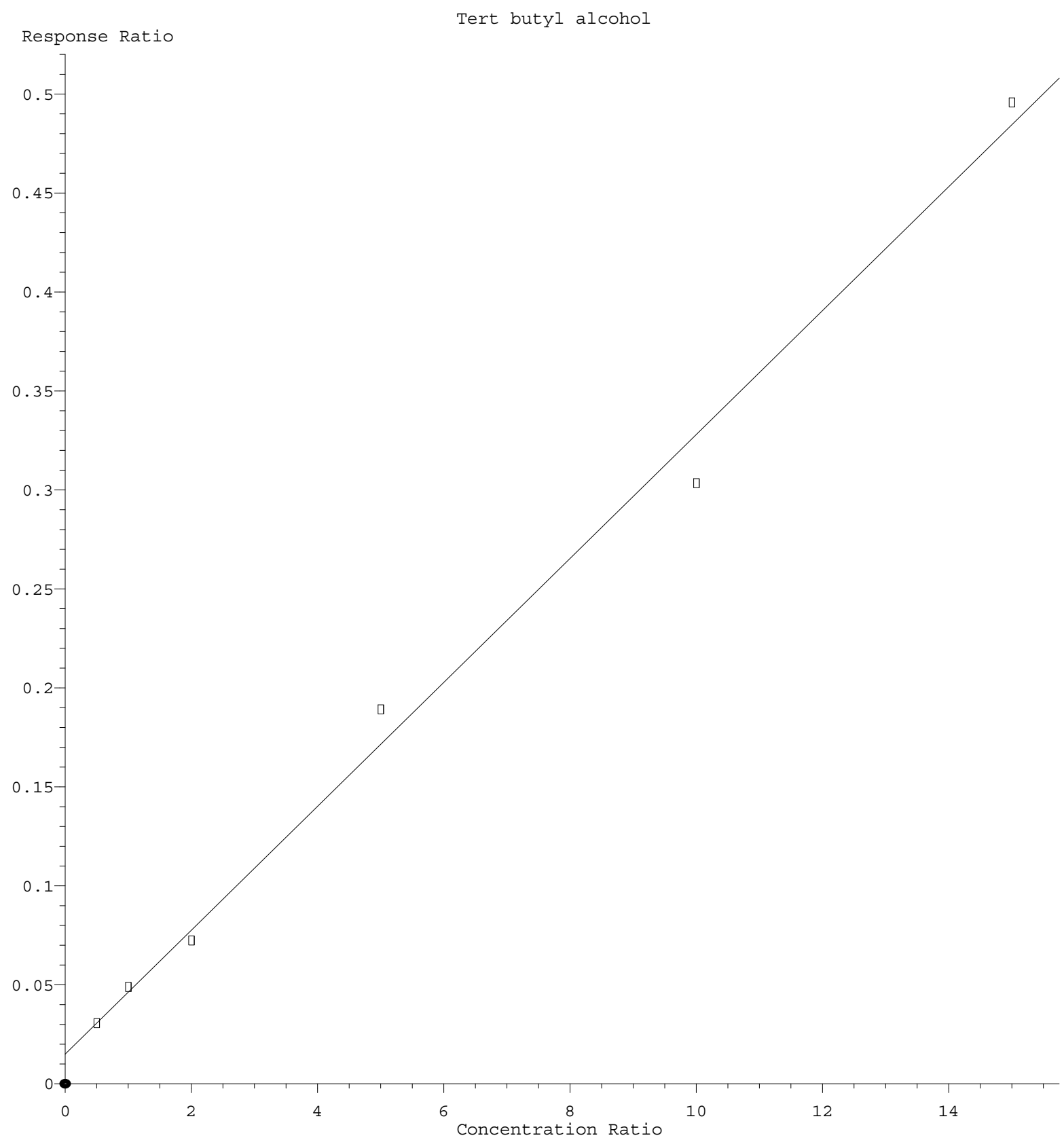
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y030425S.M

57)	T	1,3-Dichloropr...	0.465	0.462	0.421	0.478	0.452	0.451	0.455	4.24
58)	T	2-Chloroethyl ...	0.136	0.135	0.139	0.174	0.162	0.181	0.155	13.30
59)	T	2-Hexanone	0.139	0.135	0.129	0.182	0.156	0.163	0.151	13.15
60)	T	Dibromochlorom...	0.374	0.358	0.327	0.376	0.363	0.361	0.360	4.92
61)	T	1,2-Dibromoethane	0.258	0.246	0.226	0.262	0.248	0.247	0.248	5.07
62)	S	4-Bromofluorob...	0.498	0.424	0.394	0.386	0.433	0.405	0.423	9.60
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.449	0.418	0.370	0.403	0.407	0.393	0.407	6.47
65)	PM	Chlorobenzene	1.283	1.194	1.065	1.186	1.192	1.165	1.181	5.93
66)	T	1,1,1,2-Tetrac...	0.449	0.420	0.377	0.421	0.423	0.414	0.417	5.61
67)	C	Ethyl Benzene	2.115	2.005	1.825	2.135	2.209	2.146	2.072	6.67#
68)	T	m/p-Xylenes	0.797	0.761	0.705	0.822	0.833	0.803	0.787	5.97
69)	T	o-Xylene	0.723	0.700	0.635	0.759	0.779	0.754	0.725	7.20
70)	T	Styrene	1.151	1.133	1.084	1.277	1.306	1.267	1.203	7.61
71)	P	Bromoform	0.235	0.227	0.213	0.250	0.237	0.238	0.233	5.28
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.977	3.797	3.468	4.034	4.231	4.124	3.939	6.93
74)	T	N-amyl acetate	0.765	0.746	0.743	0.950	0.925	1.003	0.855	13.67
75)	P	1,1,2,2-Tetrac...	0.737	0.712	0.637	0.727	0.667	0.690	0.695	5.44
76)	T	1,2,3-Trichlor...	0.627	0.523	0.430	0.491	0.488	0.464	0.504	13.47
77)	T	Bromobenzene	0.982	0.928	0.823	0.926	0.936	0.933	0.921	5.67
78)	T	n-propylbenzene	4.979	4.605	4.262	4.905	5.046	4.904	4.783	6.20
79)	T	2-Chlorotoluene	2.922	2.707	2.449	2.741	2.824	2.768	2.735	5.82
80)	T	1,3,5-Trimethy...	3.307	3.096	2.895	3.256	3.373	3.277	3.201	5.49
81)	T	trans-1,4-Dich...	0.213	0.214	0.193	0.238	0.229	0.243	0.222	8.31
82)	T	4-Chlorotoluene	2.991	2.866	2.534	2.849	2.931	2.824	2.832	5.59
83)	T	tert-Butylbenzene	2.890	2.771	2.493	2.924	3.096	2.959	2.855	7.23
84)	T	1,2,4-Trimethy...	3.241	3.006	2.901	3.274	3.353	3.294	3.178	5.70
85)	T	sec-Butylbenzene	4.457	3.977	3.848	4.358	4.471	4.380	4.248	6.29
86)	T	p-Isopropyltol...	3.547	3.237	3.132	3.591	3.761	3.732	3.500	7.42
87)	T	1,3-Dichlorobe...	2.031	1.861	1.640	1.812	1.840	1.822	1.834	6.80
88)	T	1,4-Dichlorobe...	1.989	1.820	1.624	1.782	1.783	1.764	1.794	6.54
89)	T	n-Butylbenzene	3.269	2.837	2.867	3.387	3.535	3.497	3.232	9.55
90)	T	Hexachloroethane	0.840	0.746	0.649	0.729	0.759	0.757	0.747	8.24
91)	T	1,2-Dichlorobe...	1.723	1.561	1.431	1.588	1.568	1.560	1.572	5.92
92)	T	1,2-Dibromo-3-...	0.117	0.101	0.092	0.108	0.098	0.108	0.104	8.28
93)	T	1,2,4-Trichlor...	0.864	0.723	0.735	0.908	0.926	0.994	0.859	12.66
94)	T	Hexachlorobuta...	0.581	0.469	0.480	0.551	0.567	0.582	0.538	9.41
95)	T	Naphthalene	1.214	1.048	1.148	1.580	1.571	1.779	1.390	21.00
96)	T	1,2,3-Trichlor...	0.734	0.604	0.614	0.775	0.771	0.835	0.722	12.99

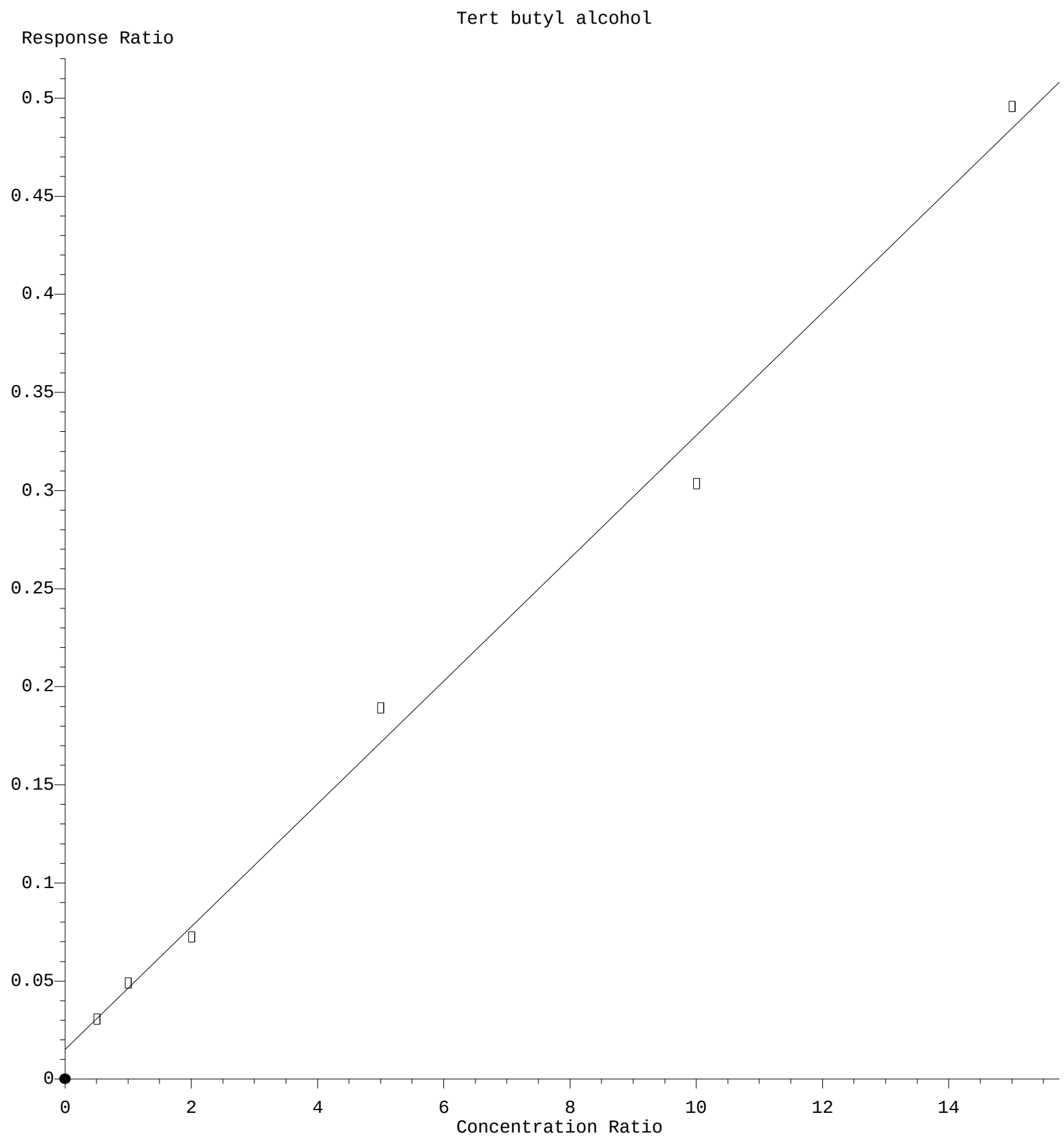
(#) = Out of Range



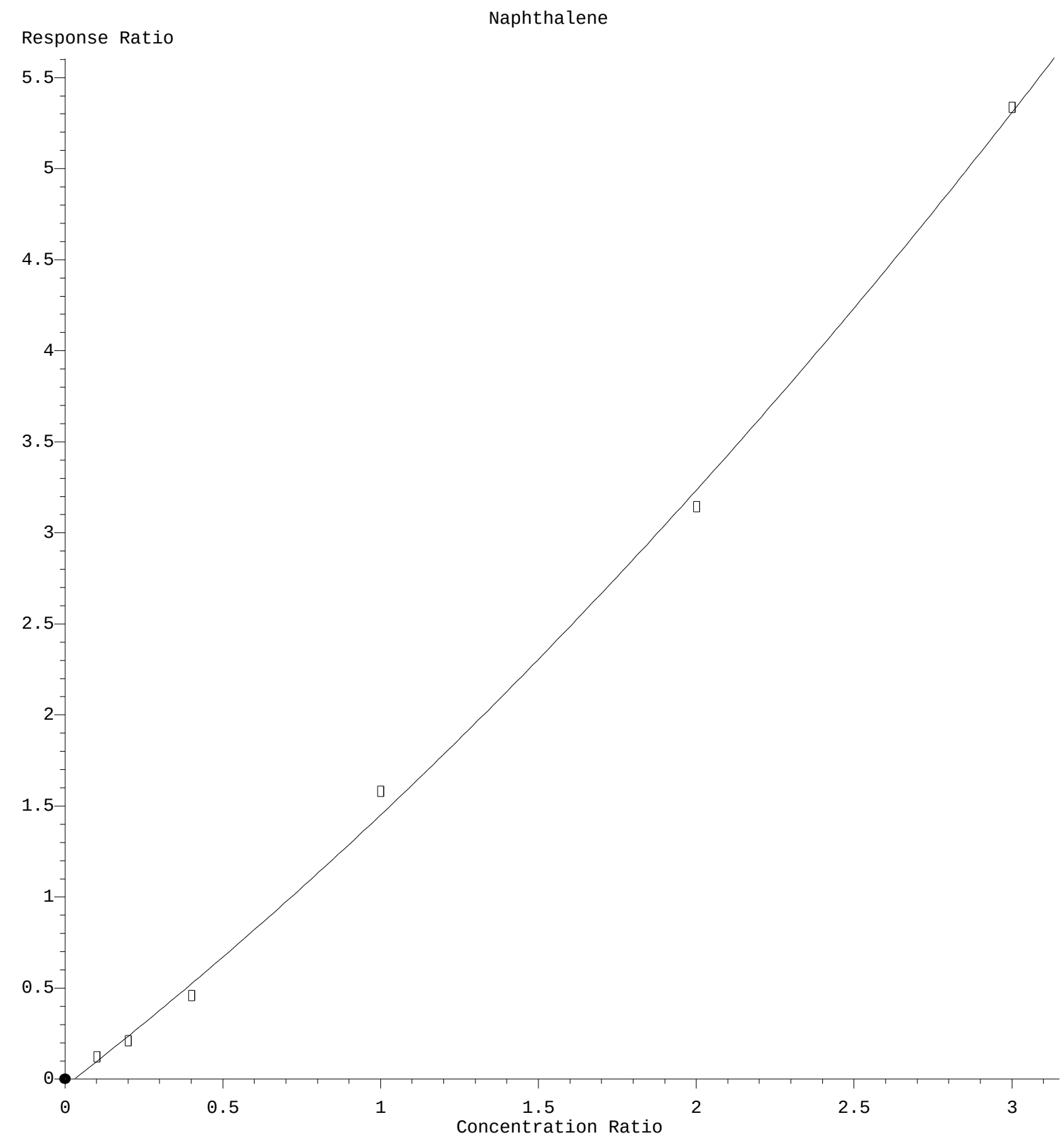
R = 1.461e-001 A*A + 1.344e+000 A - 3.906e-002
Coef of Det (r^2) = 0.998562 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y030425S.M
Calibration Table Last Updated: Wed Mar 05 12:42:45 2025



Response = 3.126e-002 * Amt + 1.549e-002
Coef of Det (r^2) = 0.993493 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y030425S.M
Calibration Table Last Updated: Wed Mar 05 12:42:45 2025



Response = 3.126e-002 * Amt + 1.549e-002
Coef of Det (r^2) = 0.993493 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Calibration Table Last Updated: Wed Mar 05 12:42:45 2025



R = 1.461e-001 A*A + 1.344e+000 A - 3.906e-002
Coef of Det (r^2) = 0.998562 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Calibration Table Last Updated: Wed Mar 05 12:42:45 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021397.D
Acq On : 04 Mar 2025 09:46
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

Quant Time: Mar 05 02:57:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	210415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	334495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	286225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	24408	10.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.960%#		
35) Dibromofluoromethane	7.640	113	23289	10.592	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.180%#		
50) Toluene-d8	10.109	98	85383	10.256	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.520%#		
62) 4-Bromofluorobenzene	12.407	95	28379	10.022	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.040%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	20733	10.737	ug/l	93
3) Chloromethane	2.074	50	29226	10.736	ug/l	100
4) Vinyl Chloride	2.208	62	32085	10.785	ug/l	95
5) Bromomethane	2.604	94	23372	10.870	ug/l	97
6) Chloroethane	2.744	64	21248	10.808	ug/l	95
7) Trichlorofluoromethane	3.067	101	44207	10.646	ug/l	97
8) Diethyl Ether	3.464	74	11802	10.256	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.823	101	25259	10.654	ug/l	98
10) Methyl Iodide	4.012	142	23638	9.809	ug/l	100
11) Tert butyl alcohol	4.872	59	10292m	53.545	ug/l	
12) 1,1-Dichloroethene	3.805	96	22821	10.558	ug/l	94
13) Acrolein	3.659	56	10792	95.404	ug/l	92
14) Allyl chloride	4.397	41	35815	10.253	ug/l	100
15) Acrylonitrile	5.073	53	25558	52.174	ug/l	99
16) Acetone	3.872	43	26021	53.644	ug/l	98
17) Carbon Disulfide	4.116	76	71755	10.593	ug/l	98
18) Methyl Acetate	4.397	43	10640	9.886	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	54266	9.906	ug/l	99
20) Methylene Chloride	4.622	84	30170	11.849	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	25590	10.572	ug/l	90
22) Diisopropyl ether	6.030	45	76752	10.196	ug/l	96
23) Vinyl Acetate	5.969	43	209626	48.795	ug/l	99
24) 1,1-Dichloroethane	5.921	63	47303	10.647	ug/l	96
25) 2-Butanone	6.902	43	33631	50.121	ug/l	100
26) 2,2-Dichloropropane	6.890	77	43881	10.734	ug/l	100
27) cis-1,2-Dichloroethene	6.908	96	28406	10.330	ug/l	98
28) Bromochloromethane	7.250	49	20230	10.861	ug/l	99
29) Tetrahydrofuran	7.274	42	20096	48.513	ug/l	99
30) Chloroform	7.426	83	49699	10.773	ug/l	96
31) Cyclohexane	7.707	56	43729	10.499	ug/l #	91
32) 1,1,1-Trichloroethane	7.628	97	44743	10.592	ug/l	98
36) 1,1-Dichloropropene	7.841	75	35303	10.258	ug/l	99
37) Ethyl Acetate	6.994	43	15039	9.687	ug/l	99
38) Carbon Tetrachloride	7.823	117	41920	10.591	ug/l	98
39) Methylcyclohexane	9.109	83	39826	9.434	ug/l	94
40) Benzene	8.085	78	103944	10.253	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021397.D
Acq On : 04 Mar 2025 09:46
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

Quant Time: Mar 05 02:57:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	8855m	10.472 ug/l	
42) 1,2-Dichloroethane	8.164	62	29851	10.525 ug/l	99
43) Isopropyl Acetate	8.201	43	28138	9.529 ug/l #	90
44) Trichloroethene	8.871	130	26077	10.179 ug/l	98
45) 1,2-Dichloropropane	9.146	63	24839	10.294 ug/l	96
46) Dibromomethane	9.237	93	13535	10.081 ug/l	99
47) Bromodichloromethane	9.426	83	36777	10.315 ug/l	97
48) Methyl methacrylate	9.225	41	12236	8.937 ug/l	99
49) 1,4-Dioxane	9.249	88	2337	177.344 ug/l #	87
51) 4-Methyl-2-Pentanone	9.999	43	70235	46.097 ug/l	100
52) Toluene	10.176	92	63716	9.968 ug/l	99
53) t-1,3-Dichloropropene	10.402	75	29928	9.528 ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	36383	9.756 ug/l	96
55) 1,1,2-Trichloroethane	10.578	97	17683	10.069 ug/l	96
56) Ethyl methacrylate	10.444	69	19614	8.757 ug/l	99
57) 1,3-Dichloropropane	10.725	76	30899	10.151 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	45096	43.615 ug/l	100
59) 2-Hexanone	10.767	43	45211	44.876 ug/l	96
60) Dibromochloromethane	10.914	129	23922	9.936 ug/l	100
61) 1,2-Dibromoethane	11.017	107	16472	9.938 ug/l	96
64) Tetrachloroethene	10.652	164	23948	10.289 ug/l	97
65) Chlorobenzene	11.444	112	68332	10.110 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.523	131	24052	10.065 ug/l	99
67) Ethyl Benzene	11.523	91	114793	9.676 ug/l	97
68) m/p-Xylenes	11.633	106	87134	19.346 ug/l	98
69) o-Xylene	11.956	106	40080	9.655 ug/l	98
70) Styrene	11.974	104	64841	9.416 ug/l	99
71) Bromoform	12.139	173	12983	9.719 ug/l #	94
73) Isopropylbenzene	12.261	105	104663	9.639 ug/l	99
74) N-amyl acetate	12.072	43	20573	8.725 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	19638	10.249 ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	14405m	10.371 ug/l	
77) Bromobenzene	12.535	156	25588	10.073 ug/l	99
78) n-propylbenzene	12.602	91	126938	9.626 ug/l	99
79) 2-Chlorotoluene	12.682	91	74631	9.898 ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	85353	9.673 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	5896	9.650 ug/l	98
82) 4-Chlorotoluene	12.785	91	78997	10.118 ug/l	100
83) tert-Butylbenzene	13.005	119	76394	9.705 ug/l	98
84) 1,2,4-Trimethylbenzene	13.047	105	82865	9.458 ug/l	100
85) sec-Butylbenzene	13.182	105	109643	9.362 ug/l	100
86) p-Isopropyltoluene	13.297	119	89228	9.248 ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	51307	10.147 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	50160	10.143 ug/l	97
89) n-Butylbenzene	13.620	91	78217	8.779 ug/l	100
90) Hexachloroethane	13.883	117	20579	9.998 ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	43028	9.929 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	2787	9.710 ug/l	94
93) 1,2,4-Trichlorobenzene	14.925	180	19935	8.422 ug/l	97
94) Hexachlorobutadiene	15.029	225	12923	8.709 ug/l	98
95) Naphthalene	15.151	128	28894	9.071 ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	16639	8.358 ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021397.D
Acq On : 04 Mar 2025 09:46
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

Quant Time: Mar 05 02:57:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

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

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

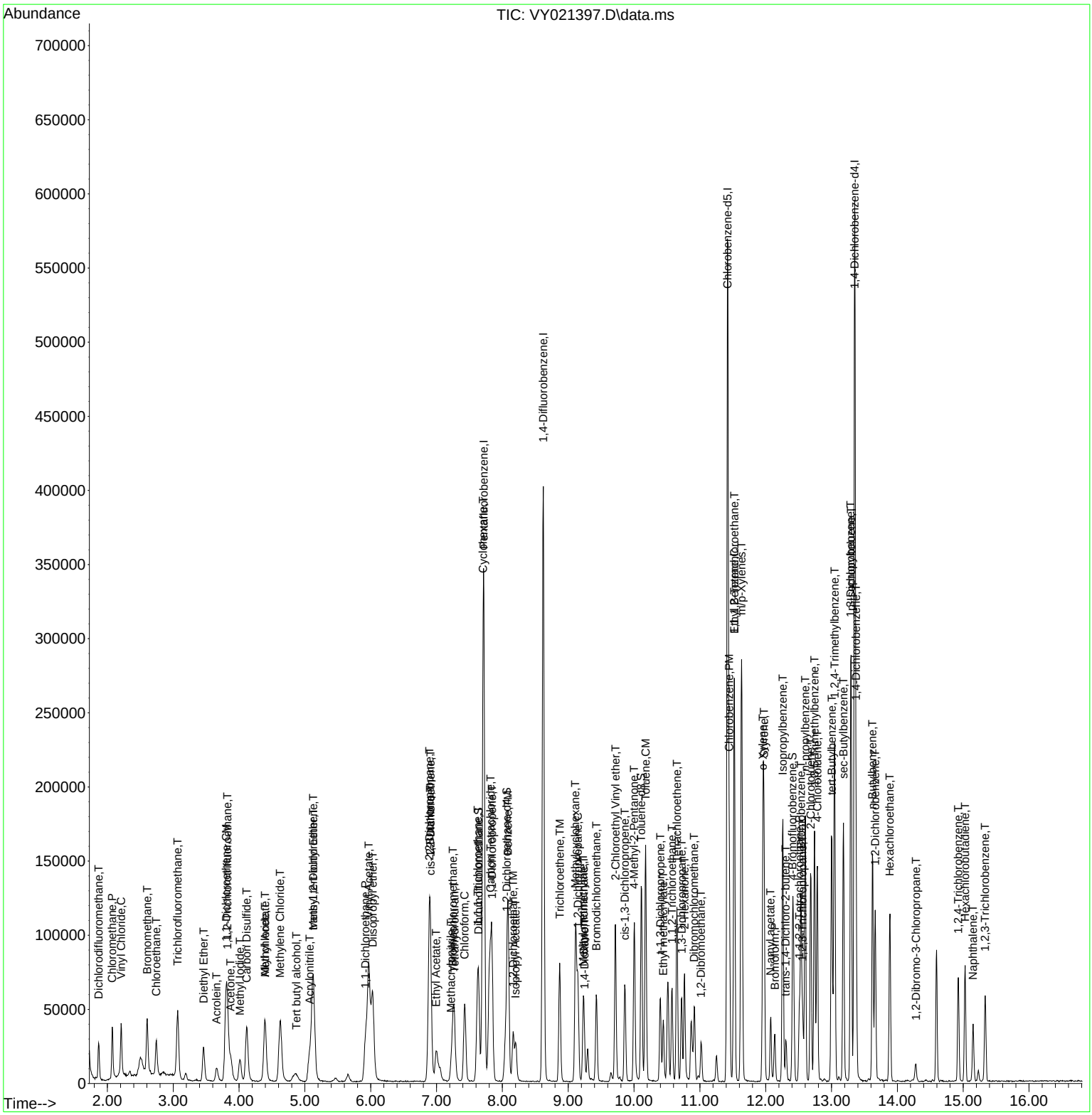
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021397.D
Acq On : 04 Mar 2025 09:46
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 02:57:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021398.D
Acq On : 04 Mar 2025 10:09
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Quant Time: Mar 05 02:58:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	234648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	364702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	318510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	158359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48282	19.468	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.940%#		
35) Dibromofluoromethane	7.640	113	45904	19.149	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.300%#		
50) Toluene-d8	10.109	98	172011	18.951	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	37.900%#		
62) 4-Bromofluorobenzene	12.407	95	57456	18.609	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	37.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39013	18.118	ug/l	99
3) Chloromethane	2.074	50	55232	18.193	ug/l	98
4) Vinyl Chloride	2.208	62	59949	18.070	ug/l	97
5) Bromomethane	2.598	94	42205	17.602	ug/l	97
6) Chloroethane	2.738	64	40060	18.272	ug/l	98
7) Trichlorofluoromethane	3.062	101	84097	18.161	ug/l	99
8) Diethyl Ether	3.458	74	23333	18.183	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.824	101	47597	18.003	ug/l	99
10) Methyl Iodide	4.007	142	48356	17.994	ug/l	99
11) Tert butyl alcohol	4.866	59	16988	91.100	ug/l	97
12) 1,1-Dichloroethene	3.799	96	43203	17.924	ug/l	96
13) Acrolein	3.659	56	20256	160.575	ug/l	90
14) Allyl chloride	4.397	41	69859	17.935	ug/l	99
15) Acrylonitrile	5.067	53	49390	90.413	ug/l	99
16) Acetone	3.872	43	42878	79.267	ug/l	97
17) Carbon Disulfide	4.110	76	133782	17.710	ug/l	98
18) Methyl Acetate	4.391	43	21340	17.780	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	110487	18.085	ug/l	97
20) Methylene Chloride	4.628	84	50462	17.772	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	48412	17.935	ug/l	98
22) Diisopropyl ether	6.024	45	157248	18.732	ug/l	96
23) Vinyl Acetate	5.970	43	439671	91.773	ug/l	99
24) 1,1-Dichloroethane	5.921	63	89625	18.090	ug/l	98
25) 2-Butanone	6.902	43	63994	85.523	ug/l	92
26) 2,2-Dichloropropane	6.890	77	80697	17.702	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	55597	18.130	ug/l	99
28) Bromochloromethane	7.250	49	39711	19.118	ug/l	98
29) Tetrahydrofuran	7.274	42	41984	90.885	ug/l	98
30) Chloroform	7.427	83	93077	18.092	ug/l	98
31) Cyclohexane	7.707	56	83067	17.884	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	83884	17.807	ug/l	99
36) 1,1-Dichloropropene	7.841	75	67437	17.972	ug/l	98
37) Ethyl Acetate	6.988	43	30017m	17.733	ug/l	
38) Carbon Tetrachloride	7.823	117	78440	18.176	ug/l	99
39) Methylcyclohexane	9.115	83	80192	17.422	ug/l	100
40) Benzene	8.085	78	199273	18.027	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021398.D
Acq On : 04 Mar 2025 10:09
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Quant Time: Mar 05 02:58:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	15135	16.416	ug/l	#	77
42) 1,2-Dichloroethane	8.164	62	56356	18.224	ug/l		100
43) Isopropyl Acetate	8.201	43	56260	17.474	ug/l	#	87
44) Trichloroethene	8.865	130	50961	18.244	ug/l		97
45) 1,2-Dichloropropane	9.146	63	48565	18.460	ug/l		93
46) Dibromomethane	9.231	93	26972	18.426	ug/l		99
47) Bromodichloromethane	9.426	83	70770	18.205	ug/l		99
48) Methyl methacrylate	9.225	41	26835	17.976	ug/l		97
49) 1,4-Dioxane	9.237	88	5448	379.181	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	147076	88.535	ug/l		99
52) Toluene	10.176	92	124450	17.858	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	61342	17.911	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	72678	17.873	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	34630	18.085	ug/l		98
56) Ethyl methacrylate	10.444	69	42134	17.253	ug/l		99
57) 1,3-Dichloropropane	10.719	76	61443	18.514	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	101217	89.786	ug/l		100
59) 2-Hexanone	10.768	43	94397	85.937	ug/l		98
60) Dibromochloromethane	10.914	129	47714	18.176	ug/l		98
61) 1,2-Dibromoethane	11.017	107	32927	18.220	ug/l		96
64) Tetrachloroethene	10.652	164	47121	18.193	ug/l		97
65) Chlorobenzene	11.444	112	135648	18.035	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	47998	18.050	ug/l		99
67) Ethyl Benzene	11.523	91	232468	17.609	ug/l		99
68) m/p-Xylenes	11.633	106	179664	35.847	ug/l		99
69) o-Xylene	11.956	106	80909	17.516	ug/l		98
70) Styrene	11.975	104	138147	18.027	ug/l		99
71) Bromoform	12.133	173	27186	18.288	ug/l	#	99
73) Isopropylbenzene	12.255	105	219699	17.612	ug/l		99
74) N-amyl acetate	12.072	43	47062	17.372	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	40373	18.341	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	27215m	17.055	ug/l		
77) Bromobenzene	12.536	156	52163	17.874	ug/l		97
78) n-propylbenzene	12.596	91	269961	17.819	ug/l		99
79) 2-Chlorotoluene	12.682	91	155109	17.906	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	183398	18.091	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	12253	17.456	ug/l		98
82) 4-Chlorotoluene	12.779	91	160509	17.893	ug/l		99
83) tert-Butylbenzene	12.999	119	157912	17.461	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	183733	18.254	ug/l		100
85) sec-Butylbenzene	13.182	105	243719	18.113	ug/l		100
86) p-Isopropyltoluene	13.298	119	198423	17.900	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	103878	17.882	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	102862	18.106	ug/l		100
89) n-Butylbenzene	13.621	91	181603	17.741	ug/l		99
90) Hexachloroethane	13.883	117	41098	17.379	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	90658	18.208	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5850	17.741	ug/l		92
93) 1,2,4-Trichlorobenzene	14.925	180	46578	17.127	ug/l		100
94) Hexachlorobutadiene	15.029	225	30431	17.851	ug/l		98
95) Naphthalene	15.145	128	72734	17.845	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	38873	16.996	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021398.D
Acq On : 04 Mar 2025 10:09
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Quant Time: Mar 05 02:58:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 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

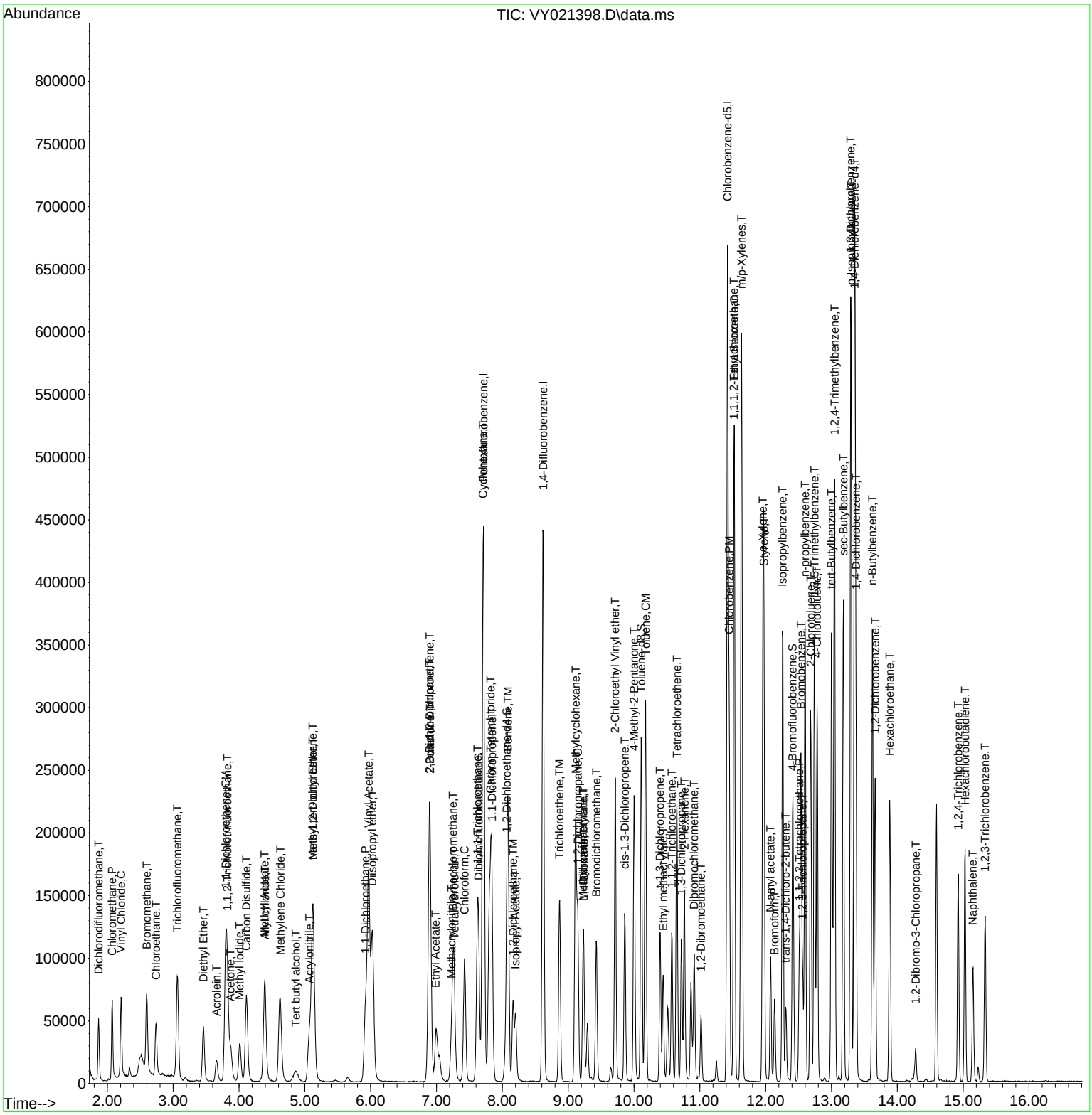
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021398.D
Acq On : 04 Mar 2025 10:09
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 02:58:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021399.D
Acq On : 04 Mar 2025 10:30
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 05 02:59:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	235140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	360221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	321260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	162486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113391	45.625	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.240%			
35) Dibromofluoromethane	7.640	113	106487	44.973	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.940%			
50) Toluene-d8	10.109	98	408759	45.594	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.180%			
62) 4-Bromofluorobenzene	12.407	95	139117	45.618	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	105206	48.756	ug/l	100
3) Chloromethane	2.074	50	145113	47.700	ug/l	100
4) Vinyl Chloride	2.208	62	162385	48.845	ug/l	100
5) Bromomethane	2.604	94	110008	45.784	ug/l	100
6) Chloroethane	2.738	64	108266	49.279	ug/l	100
7) Trichlorofluoromethane	3.067	101	227308	48.986	ug/l	100
8) Diethyl Ether	3.458	74	66509	51.720	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.830	101	126512	47.753	ug/l	100
10) Methyl Iodide	4.012	142	148683	55.210	ug/l	100
11) Tert butyl alcohol	4.872	59	44476	277.793	ug/l	100
12) 1,1-Dichloroethene	3.799	96	118986	49.262	ug/l	100
13) Acrolein	3.665	56	5354	42.354	ug/l	100
14) Allyl chloride	4.397	41	197932	50.708	ug/l	100
15) Acrylonitrile	5.067	53	146888	268.329	ug/l	100
16) Acetone	3.872	43	157979	291.440	ug/l	100
17) Carbon Disulfide	4.116	76	383514	50.664	ug/l	100
18) Methyl Acetate	4.390	43	66880	55.606	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	321178	52.463	ug/l	100
20) Methylene Chloride	4.622	84	129715	45.588	ug/l	100
21) trans-1,2-Dichloroethene	5.128	96	132731	49.068	ug/l	100
22) Diisopropyl ether	6.024	45	435305	51.747	ug/l	100
23) Vinyl Acetate	5.969	43	1305446	271.918	ug/l	100
24) 1,1-Dichloroethane	5.927	63	247003	49.750	ug/l	100
25) 2-Butanone	6.896	43	212274	283.093	ug/l	100
26) 2,2-Dichloropropane	6.890	77	220625	48.295	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	153891	50.078	ug/l	100
28) Bromochloromethane	7.250	49	109912	52.805	ug/l	100
29) Tetrahydrofuran	7.268	42	129976	280.779	ug/l	100
30) Chloroform	7.426	83	255675	49.593	ug/l	100
31) Cyclohexane	7.707	56	221181	47.519	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	230018	48.727	ug/l	100
36) 1,1-Dichloropropene	7.841	75	186577	50.340	ug/l	100
37) Ethyl Acetate	6.988	43	89317	53.423	ug/l	100
38) Carbon Tetrachloride	7.823	117	211310	49.573	ug/l	100
39) Methylcyclohexane	9.115	83	234520	51.585	ug/l	100
40) Benzene	8.085	78	555364	50.867	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021399.D
Acq On : 04 Mar 2025 10:30
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

Quant Time: Mar 05 02:59:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	47147	51.774	ug/l	100
42) 1,2-Dichloroethane	8.164	62	157205	51.469	ug/l	100
43) Isopropyl Acetate	8.201	43	173913	54.689	ug/l	100
44) Trichloroethene	8.871	130	137378	49.793	ug/l	100
45) 1,2-Dichloropropane	9.146	63	132392	50.949	ug/l	100
46) Dibromomethane	9.237	93	76517	52.923	ug/l	100
47) Bromodichloromethane	9.426	83	197243	51.370	ug/l	100
48) Methyl methacrylate	9.225	41	82355	55.853	ug/l	100
49) 1,4-Dioxane	9.231	88	16238	1144.224	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	472885	288.203	ug/l	100
52) Toluene	10.176	92	356029	51.723	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	179810	53.154	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	211622	52.691	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	101913	53.886	ug/l	100
56) Ethyl methacrylate	10.444	69	137939	57.187	ug/l	100
57) 1,3-Dichloropropane	10.719	76	172259	52.551	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	313349	281.418	ug/l	100
59) 2-Hexanone	10.761	43	327200	301.583	ug/l	100
60) Dibromochloromethane	10.914	129	135595	52.296	ug/l	100
61) 1,2-Dibromoethane	11.017	107	94280	52.819	ug/l	100
64) Tetrachloroethene	10.652	164	129562	49.596	ug/l	100
65) Chlorobenzene	11.444	112	381086	50.233	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	135273	50.434	ug/l	100
67) Ethyl Benzene	11.523	91	685789	51.502	ug/l	100
68) m/p-Xylenes	11.633	106	528037	104.452	ug/l	100
69) o-Xylene	11.956	106	243863	52.341	ug/l	100
70) Styrene	11.974	104	410178	53.068	ug/l	100
71) Bromoform	12.133	173	80342	53.584	ug/l	100
73) Isopropylbenzene	12.255	105	655492	51.212	ug/l	100
74) N-amyl acetate	12.072	43	154403	55.547	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.511	83	118077	52.277	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	79840m	48.762	ug/l	
77) Bromobenzene	12.535	156	150460	50.247	ug/l	100
78) n-propylbenzene	12.596	91	797005	51.272	ug/l	100
79) 2-Chlorotoluene	12.682	91	445409	50.112	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	528974	50.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	38697	53.727	ug/l	100
82) 4-Chlorotoluene	12.779	91	462879	50.291	ug/l	100
83) tert-Butylbenzene	12.999	119	475042	51.194	ug/l	100
84) 1,2,4-Trimethylbenzene	13.047	105	531919	51.505	ug/l	100
85) sec-Butylbenzene	13.175	105	708040	51.284	ug/l	100
86) p-Isopropyltoluene	13.297	119	583517	51.302	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	294406	49.392	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	289572	49.675	ug/l	100
89) n-Butylbenzene	13.620	91	550274	52.392	ug/l	100
90) Hexachloroethane	13.883	117	118465	48.822	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	258078	50.517	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	17568	51.924	ug/l	100
93) 1,2,4-Trichlorobenzene	14.925	180	147587	52.891	ug/l	100
94) Hexachlorobutadiene	15.029	225	89592	51.220	ug/l	100
95) Naphthalene	15.151	128	256660	53.894	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	125962	53.673	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021399.D
Acq On : 04 Mar 2025 10:30
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

Quant Time: Mar 05 02:59:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 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

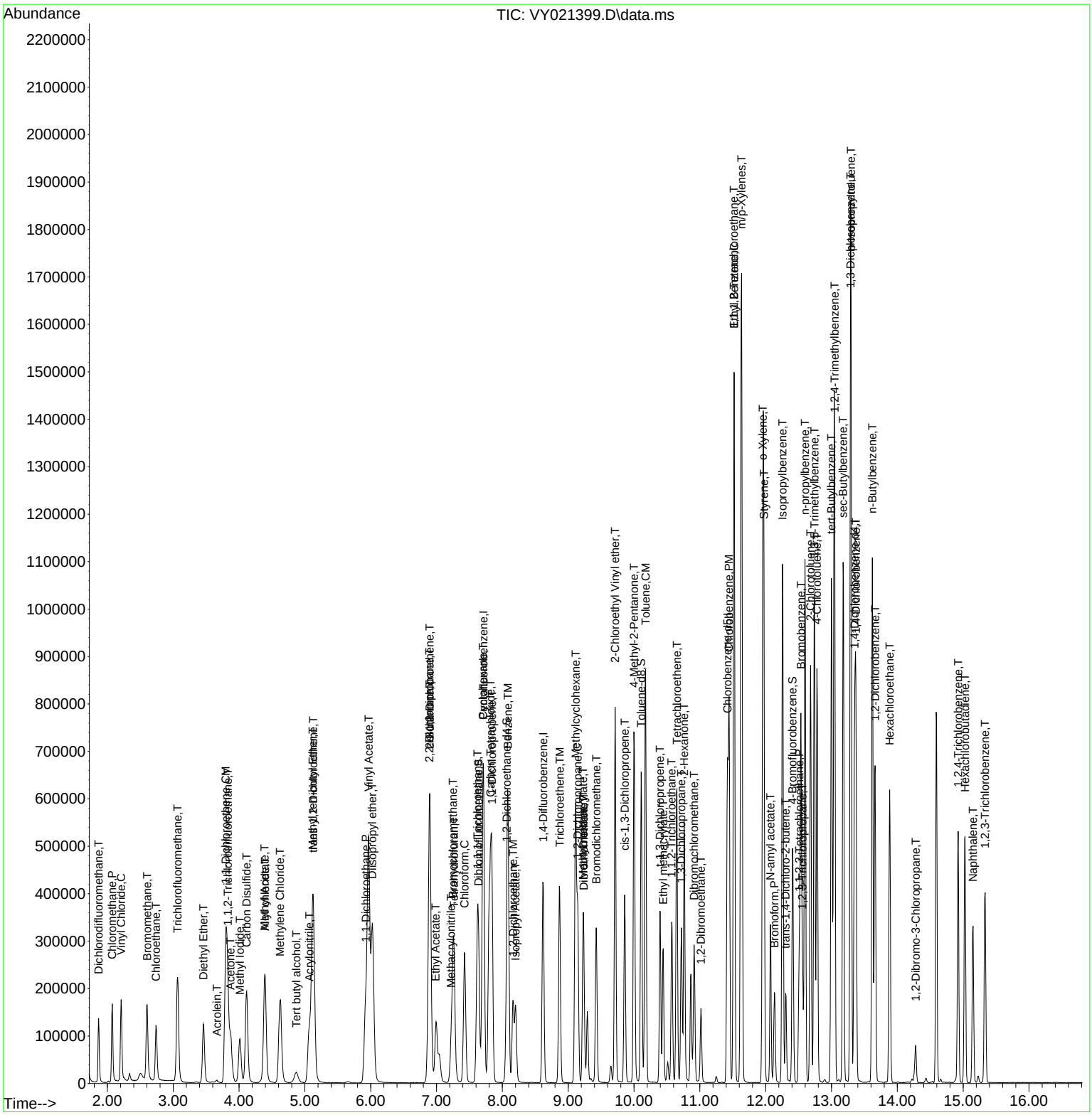
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021399.D
Acq On : 04 Mar 2025 10:30
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 05 02:59:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021400.D
Acq On : 04 Mar 2025 11:06
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

Quant Time: Mar 05 03:00:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	244207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	369748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	325902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	161237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	249506	96.666	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 193.340%#			
35) Dibromofluoromethane	7.640	113	245300	100.930	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 201.860%#			
50) Toluene-d8	10.115	98	953319	103.596	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 207.200%#			
62) 4-Bromofluorobenzene	12.414	95	320008	102.231	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 204.460%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	214851	95.873	ug/l	98
3) Chloromethane	2.074	50	297027	94.011	ug/l	99
4) Vinyl Chloride	2.208	62	344887	99.889	ug/l	98
5) Bromomethane	2.598	94	236127	94.624	ug/l	99
6) Chloroethane	2.739	64	223479	97.944	ug/l	97
7) Trichlorofluoromethane	3.068	101	470472	97.624	ug/l	99
8) Diethyl Ether	3.464	74	129160	96.710	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.824	101	264663	96.189	ug/l	99
10) Methyl Iodide	4.013	142	306871	109.719	ug/l	100
11) Tert butyl alcohol	4.872	59	74090	460.479	ug/l	99
12) 1,1-Dichloroethene	3.799	96	250255	99.762	ug/l	99
13) Acrolein	3.659	56	10283	78.325	ug/l	89
14) Allyl chloride	4.397	41	413704	102.051	ug/l	99
15) Acrylonitrile	5.067	53	271919	478.287	ug/l	98
16) Acetone	3.872	43	252046	447.711	ug/l	94
17) Carbon Disulfide	4.116	76	790255	100.521	ug/l	100
18) Methyl Acetate	4.391	43	119905	95.992	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	634643	99.817	ug/l	100
20) Methylene Chloride	4.628	84	258664	87.531	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	278418	99.104	ug/l	96
22) Diisopropyl ether	6.025	45	878111	100.510	ug/l	97
23) Vinyl Acetate	5.970	43	2520516	505.518	ug/l	100
24) 1,1-Dichloroethane	5.921	63	505607	98.056	ug/l	99
25) 2-Butanone	6.902	43	363091	466.248	ug/l	100
26) 2,2-Dichloropropane	6.890	77	466669	98.362	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	321461	100.724	ug/l	99
28) Bromochloromethane	7.250	49	208133	96.281	ug/l	99
29) Tetrahydrofuran	7.268	42	228343	474.960	ug/l	99
30) Chloroform	7.427	83	520812	97.270	ug/l	97
31) Cyclohexane	7.707	56	460568	95.275	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	480163	97.941	ug/l	100
36) 1,1-Dichloropropene	7.841	75	388384	102.089	ug/l	99
37) Ethyl Acetate	6.994	43	162380	94.621	ug/l	98
38) Carbon Tetrachloride	7.823	117	439762	100.510	ug/l	98
39) Methylcyclohexane	9.115	83	503172	107.827	ug/l	98
40) Benzene	8.085	78	1138841	101.621	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021400.D
Acq On : 04 Mar 2025 11:06
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

Quant Time: Mar 05 03:00:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	95564	102.238 ug/l #	88
42) 1,2-Dichloroethane	8.164	62	305782	97.534 ug/l	100
43) Isopropyl Acetate	8.201	43	327171	100.231 ug/l	99
44) Trichloroethene	8.872	130	284312	100.395 ug/l	97
45) 1,2-Dichloropropane	9.146	63	264690	99.238 ug/l	97
46) Dibromomethane	9.237	93	146713	98.859 ug/l	100
47) Bromodichloromethane	9.426	83	395676	100.395 ug/l	99
48) Methyl methacrylate	9.225	41	156771	103.582 ug/l	100
49) 1,4-Dioxane	9.237	88	29902	2052.779 ug/l	97
51) 4-Methyl-2-Pentanone	10.006	43	850519	504.998 ug/l	100
52) Toluene	10.176	92	737467	104.377 ug/l	100
53) t-1,3-Dichloropropene	10.402	75	365825	105.356 ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	428305	103.894 ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	191894	98.848 ug/l	99
56) Ethyl methacrylate	10.444	69	271599	109.699 ug/l	98
57) 1,3-Dichloropropane	10.725	76	334146	99.311 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	600796	525.670 ug/l	100
59) 2-Hexanone	10.768	43	575211	516.516 ug/l	100
60) Dibromochloromethane	10.914	129	268359	100.834 ug/l	100
61) 1,2-Dibromoethane	11.024	107	183206	99.993 ug/l	99
64) Tetrachloroethene	10.652	164	265100	100.033 ug/l	97
65) Chlorobenzene	11.450	112	776963	100.956 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	275635	101.302 ug/l	99
67) Ethyl Benzene	11.524	91	1439764	106.585 ug/l	100
68) m/p-Xylenes	11.633	106	1085642	211.694 ug/l	99
69) o-Xylene	11.962	106	507619	107.399 ug/l	100
70) Styrene	11.975	104	851456	108.590 ug/l	99
71) Bromoform	12.139	173	154505	101.579 ug/l	99
73) Isopropylbenzene	12.261	105	1364499	107.432 ug/l	99
74) N-amyl acetate	12.078	43	298318	108.151 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	215229	96.028 ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	157519m	96.949 ug/l	
77) Bromobenzene	12.536	156	301928	101.611 ug/l	99
78) n-propylbenzene	12.603	91	1627111	105.485 ug/l	100
79) 2-Chlorotoluene	12.688	91	910543	103.236 ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	1087821	105.392 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	73701	103.120 ug/l	97
82) 4-Chlorotoluene	12.786	91	945021	103.470 ug/l	99
83) tert-Butylbenzene	13.005	119	998366	108.425 ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	1081299	105.512 ug/l	99
85) sec-Butylbenzene	13.182	105	1441675	105.232 ug/l	99
86) p-Isopropyltoluene	13.298	119	1212941	107.466 ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	593203	100.292 ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	575089	99.419 ug/l	99
89) n-Butylbenzene	13.621	91	1139920	109.374 ug/l	99
90) Hexachloroethane	13.889	117	244664	101.612 ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	505733	99.761 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	31708	94.443 ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	298684	107.869 ug/l	98
94) Hexachlorobutadiene	15.029	225	182747	105.287 ug/l	100
95) Naphthalene	15.151	128	506570	97.607 ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	248728	106.805 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021400.D
Acq On : 04 Mar 2025 11:06
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

Quant Time: Mar 05 03:00:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 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

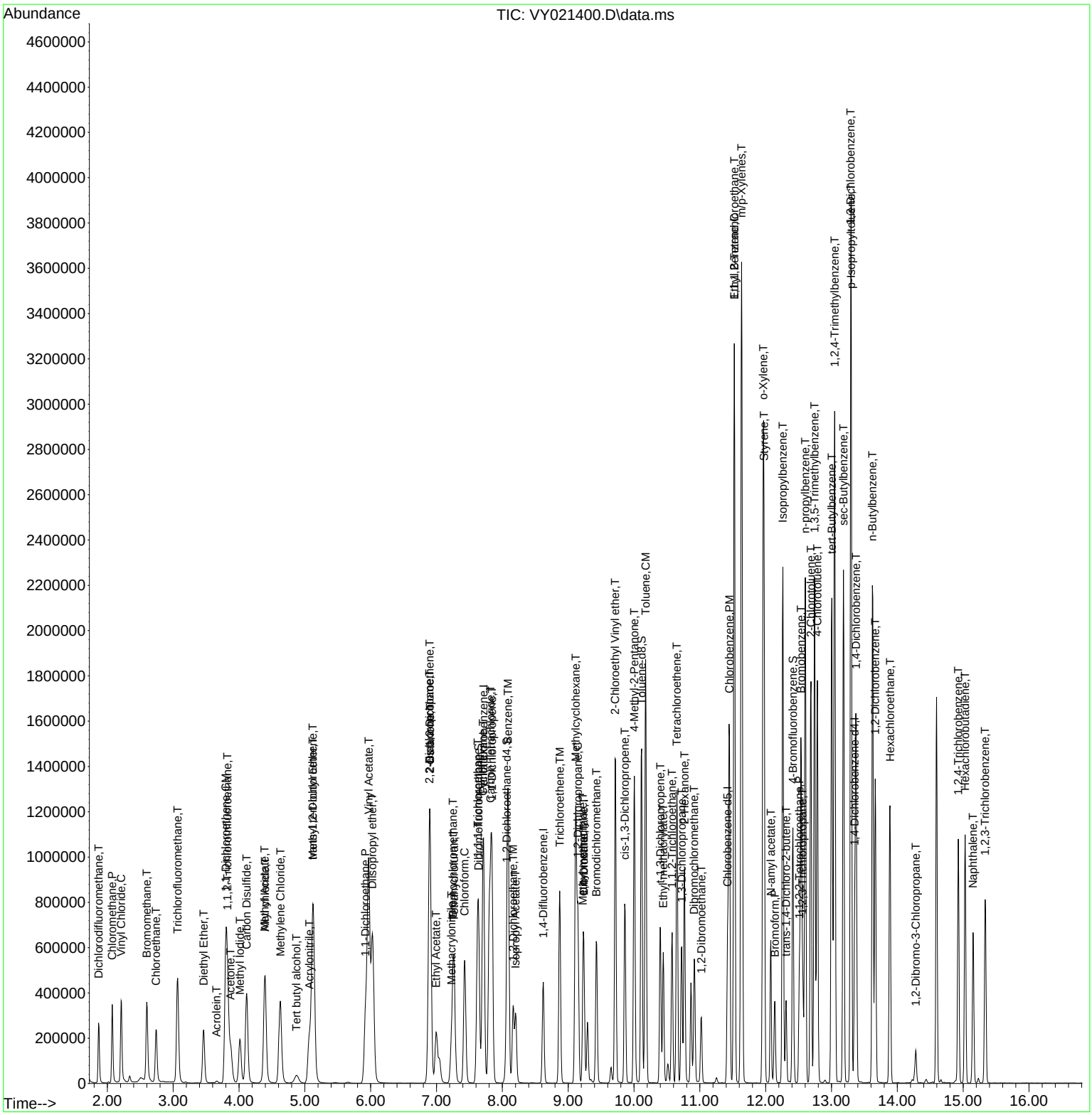
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021400.D
Acq On : 04 Mar 2025 11:06
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 05 03:00:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021401.D
Acq On : 04 Mar 2025 11:29
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

Quant Time: Mar 05 03:01:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	266755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	403017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	355825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	173358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	382016	135.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 270.980%#			
35) Dibromofluoromethane	7.640	113	376382	142.080	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 284.160%#			
50) Toluene-d8	10.109	98	1454175	144.978	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 289.960%#			
62) 4-Bromofluorobenzene	12.408	95	489437	143.450	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 286.900%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	343152	140.181	ug/l	97
3) Chloromethane	2.074	50	464459	134.578	ug/l	99
4) Vinyl Chloride	2.208	62	532492	141.188	ug/l	99
5) Bromomethane	2.592	94	374688	137.459	ug/l	98
6) Chloroethane	2.739	64	345714	138.708	ug/l	97
7) Trichlorofluoromethane	3.062	101	748024	142.097	ug/l	99
8) Diethyl Ether	3.458	74	210548	144.324	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	419826	139.685	ug/l	99
10) Methyl Iodide	4.013	142	485205	158.816	ug/l	98
11) Tert butyl alcohol	4.872	59	132243	768.076	ug/l	100
12) 1,1-Dichloroethene	3.793	96	395483	144.329	ug/l	99
13) Acrolein	3.659	56	16610	115.824	ug/l	89
14) Allyl chloride	4.391	41	650795	146.966	ug/l	99
15) Acrylonitrile	5.061	53	454097	731.212	ug/l	99
16) Acetone	3.873	43	380537	618.814	ug/l	94
17) Carbon Disulfide	4.110	76	1237407	144.094	ug/l	100
18) Methyl Acetate	4.391	43	205359	150.507	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	1052192	151.501	ug/l	99
20) Methylene Chloride	4.622	84	405442	125.603	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	436290	142.173	ug/l	99
22) Diisopropyl ether	6.025	45	1390733	145.730	ug/l	96
23) Vinyl Acetate	5.964	43	4142519	760.601	ug/l	99
24) 1,1-Dichloroethane	5.921	63	793059	140.803	ug/l	99
25) 2-Butanone	6.896	43	604502	710.631	ug/l	99
26) 2,2-Dichloropropane	6.890	77	740961	142.975	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	511211	146.639	ug/l	98
28) Bromochloromethane	7.250	49	304092	128.781	ug/l	98
29) Tetrahydrofuran	7.262	42	392146	746.729	ug/l	99
30) Chloroform	7.427	83	823431	140.790	ug/l	98
31) Cyclohexane	7.707	56	731684	138.566	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	762807	142.442	ug/l	99
36) 1,1-Dichloropropene	7.841	75	609596	147.009	ug/l	99
37) Ethyl Acetate	6.988	43	271579	145.189	ug/l	99
38) Carbon Tetrachloride	7.823	117	700638	146.916	ug/l	100
39) Methylcyclohexane	9.109	83	808497	158.954	ug/l	99
40) Benzene	8.085	78	1781188	145.818	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021401.D
Acq On : 04 Mar 2025 11:29
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

Quant Time: Mar 05 03:01:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	150455	147.676 ug/l #	92
42) 1,2-Dichloroethane	8.164	62	493103	144.299 ug/l	99
43) Isopropyl Acetate	8.201	43	557010	156.557 ug/l	99
44) Trichloroethene	8.866	130	456841	148.000 ug/l	96
45) 1,2-Dichloropropane	9.146	63	419433	144.273 ug/l	98
46) Dibromomethane	9.231	93	239577	148.107 ug/l	99
47) Bromodichloromethane	9.426	83	629944	146.641 ug/l	100
48) Methyl methacrylate	9.225	41	268043	162.482 ug/l	99
49) 1,4-Dioxane	9.231	88	51411	3238.027 ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	1468813	800.119 ug/l	99
52) Toluene	10.176	92	1158338	150.411 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	598438	158.120 ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	684617	152.359 ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	310174	146.586 ug/l	99
56) Ethyl methacrylate	10.444	69	466697	172.939 ug/l	99
57) 1,3-Dichloropropane	10.719	76	545711	148.802 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1094099	878.264 ug/l	99
59) 2-Hexanone	10.762	43	983959	810.617 ug/l	100
60) Dibromochloromethane	10.914	129	436855	150.595 ug/l	99
61) 1,2-Dibromoethane	11.018	107	298827	149.635 ug/l	98
64) Tetrachloroethene	10.652	164	419107	144.847 ug/l	99
65) Chlorobenzene	11.444	112	1243163	147.949 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	442377	148.911 ug/l	100
67) Ethyl Benzene	11.524	91	2291269	155.358 ug/l	100
68) m/p-Xylenes	11.633	106	1713936	306.103 ug/l	99
69) o-Xylene	11.956	106	805321	156.057 ug/l	99
70) Styrene	11.975	104	1352252	157.956 ug/l	99
71) Bromoform	12.133	173	253882	152.878 ug/l #	98
73) Isopropylbenzene	12.255	105	2144893	157.067 ug/l	99
74) N-amyl acetate	12.072	43	521557	175.863 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	358734	148.865 ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	241297m	138.129 ug/l	
77) Bromobenzene	12.536	156	485258	151.891 ug/l	98
78) n-propylbenzene	12.597	91	2550395	153.780 ug/l	100
79) 2-Chlorotoluene	12.682	91	1439597	151.808 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1704391	153.582 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	126267	164.316 ug/l	95
82) 4-Chlorotoluene	12.779	91	1468603	149.554 ug/l	100
83) tert-Butylbenzene	12.999	119	1538803	155.433 ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	1713052	155.470 ug/l	99
85) sec-Butylbenzene	13.182	105	2277976	154.650 ug/l	99
86) p-Isopropyltoluene	13.298	119	1940795	159.931 ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	947577	149.004 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	917648	147.547 ug/l	99
89) n-Butylbenzene	13.621	91	1818773	162.308 ug/l	98
90) Hexachloroethane	13.883	117	393459	151.984 ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	811529	148.890 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	56205	155.702 ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	517199	173.726 ug/l	98
94) Hexachlorobutadiene	15.029	225	302517	162.105 ug/l	99
95) Naphthalene	15.151	128	925079	150.626 ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	434430	173.503 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021401.D
Acq On : 04 Mar 2025 11:29
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

Quant Time: Mar 05 03:01:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 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

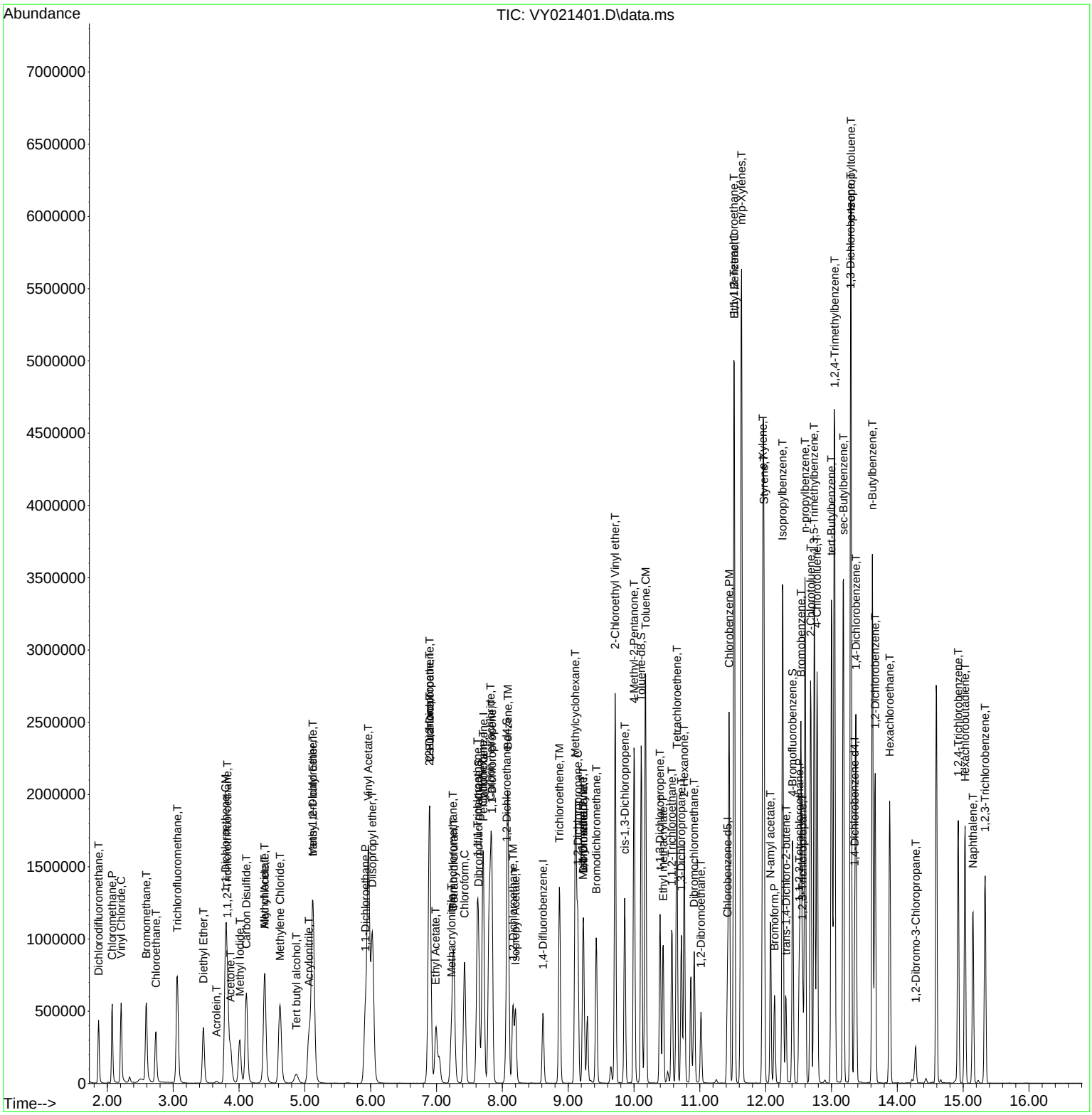
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021401.D
Acq On : 04 Mar 2025 11:29
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 05 03:01:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021403.D
Acq On : 04 Mar 2025 12:15
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Quant Time: Mar 05 03:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	245027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	394876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	337621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	161080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	14848	5.733	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.460%#		
35) Dibromofluoromethane	7.634	113	14631	5.637	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.280%#		
50) Toluene-d8	10.109	98	54665	5.562	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	11.120%#		
62) 4-Bromofluorobenzene	12.408	95	19663	5.882	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	11.760%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	12951	5.760	ug/l	91
3) Chloromethane	2.074	50	19424	6.127	ug/l	98
4) Vinyl Chloride	2.208	62	19070	5.505	ug/l	99
5) Bromomethane	2.605	94	15706	6.273	ug/l	95
6) Chloroethane	2.745	64	12773	5.579	ug/l	98
7) Trichlorofluoromethane	3.068	101	27176	5.620	ug/l	99
8) Diethyl Ether	3.458	74	7381	5.508	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.824	101	16374	5.931	ug/l	99
10) Methyl Iodide	4.013	142	12057	4.296	ug/l	99
11) Tert butyl alcohol	4.872	59	7503	24.295	ug/l #	83
12) 1,1-Dichloroethene	3.800	96	13880	5.515	ug/l	97
13) Acrolein	3.653	56	6605	50.142	ug/l	93
14) Allyl chloride	4.385	41	21629	5.317	ug/l	99
15) Acrylonitrile	5.068	53	14939	26.189	ug/l	100
16) Acetone	3.879	43	17626	31.204	ug/l	99
17) Carbon Disulfide	4.110	76	42440	5.380	ug/l	99
18) Methyl Acetate	4.391	43	6561	5.235	ug/l	94
19) Methyl tert-butyl Ether	5.129	73	33420	5.239	ug/l	94
20) Methylene Chloride	4.629	84	19304	6.511	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	15868	5.629	ug/l	89
22) Diisopropyl ether	6.019	45	45242	5.161	ug/l	88
23) Vinyl Acetate	5.970	43	124260	24.838	ug/l	96
24) 1,1-Dichloroethane	5.921	63	28883	5.583	ug/l	97
25) 2-Butanone	6.903	43	22073	28.249	ug/l	96
26) 2,2-Dichloropropane	6.890	77	27105	5.694	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	17198	5.371	ug/l	93
28) Bromochloromethane	7.250	49	11718	5.403	ug/l	99
29) Tetrahydrofuran	7.274	42	12689	26.305	ug/l	99
30) Chloroform	7.427	83	29950	5.575	ug/l	99
31) Cyclohexane	7.701	56	29806	6.145	ug/l #	93
32) 1,1,1-Trichloroethane	7.622	97	28207	5.734	ug/l	95
36) 1,1-Dichloropropene	7.841	75	21694	5.340	ug/l	98
37) Ethyl Acetate	6.988	43	9539m	5.205	ug/l	
38) Carbon Tetrachloride	7.823	117	24674	5.281	ug/l	96
39) Methylcyclohexane	9.110	83	25312	5.079	ug/l	95
40) Benzene	8.085	78	63894	5.339	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021403.D
Acq On : 04 Mar 2025 12:15
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Quant Time: Mar 05 03:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.232	41	4825	4.834 ug/l #	91
42) 1,2-Dichloroethane	8.158	62	17906	5.348 ug/l	99
43) Isopropyl Acetate	8.201	43	18016	5.168 ug/l	97
44) Trichloroethene	8.872	130	16384	5.417 ug/l	98
45) 1,2-Dichloropropane	9.146	63	15302	5.372 ug/l	91
46) Dibromomethane	9.238	93	8211	5.181 ug/l	99
47) Bromodichloromethane	9.427	83	22083	5.247 ug/l	95
48) Methyl methacrylate	9.225	41	7383	4.568 ug/l	98
49) 1,4-Dioxane	9.231	88	1424	91.537 ug/l #	90
51) 4-Methyl-2-Pentanone	10.000	43	43306	24.077 ug/l	100
52) Toluene	10.176	92	38833	5.146 ug/l	96
53) t-1,3-Dichloropropene	10.396	75	18188	4.905 ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	22504	5.111 ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	10837	5.227 ug/l	97
56) Ethyl methacrylate	10.439	69	11475	4.340 ug/l	97
57) 1,3-Dichloropropane	10.719	76	18380	5.115 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	26908	22.045 ug/l	99
59) 2-Hexanone	10.762	43	27441	23.073 ug/l	97
60) Dibromochloromethane	10.914	129	14771	5.197 ug/l	96
61) 1,2-Dibromoethane	11.018	107	10188	5.207 ug/l	99
64) Tetrachloroethene	10.652	164	15148	5.518 ug/l	95
65) Chlorobenzene	11.444	112	43322	5.434 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	15173	5.383 ug/l	96
67) Ethyl Benzene	11.524	91	71391	5.102 ug/l	97
68) m/p-Xylenes	11.633	106	53829	10.132 ug/l	99
69) o-Xylene	11.957	106	24421	4.988 ug/l	100
70) Styrene	11.975	104	38858	4.784 ug/l	99
71) Bromoform	12.133	173	7934	5.035 ug/l #	96
73) Isopropylbenzene	12.255	105	64065	5.049 ug/l	98
74) N-amyl acetate	12.072	43	12319	4.470 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	11865	5.299 ug/l	95
76) 1,2,3-Trichloropropane	12.560	75	10101m	6.223 ug/l	
77) Bromobenzene	12.536	156	15812	5.327 ug/l	97
78) n-propylbenzene	12.597	91	80203	5.205 ug/l	99
79) 2-Chlorotoluene	12.682	91	47065	5.341 ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	53272	5.166 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	3431	4.805 ug/l	92
82) 4-Chlorotoluene	12.780	91	48178	5.280 ug/l	100
83) tert-Butylbenzene	12.999	119	46550	5.060 ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	52203	5.099 ug/l	98
85) sec-Butylbenzene	13.176	105	71799	5.246 ug/l	100
86) p-Isopropyltoluene	13.298	119	57131	5.067 ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	32709	5.535 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	32045	5.545 ug/l	95
89) n-Butylbenzene	13.621	91	52654	5.057 ug/l	99
90) Hexachloroethane	13.883	117	13537	5.628 ug/l	95
91) 1,2-Dichlorobenzene	13.664	146	27758	5.481 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1880	5.605 ug/l	86
93) 1,2,4-Trichlorobenzene	14.926	180	13925	5.034 ug/l	98
94) Hexachlorobutadiene	15.029	225	9351	5.393 ug/l	97
95) Naphthalene	15.151	128	19552	5.892 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	11822	5.081 ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021403.D
Acq On : 04 Mar 2025 12:15
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Quant Time: Mar 05 03:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

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

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

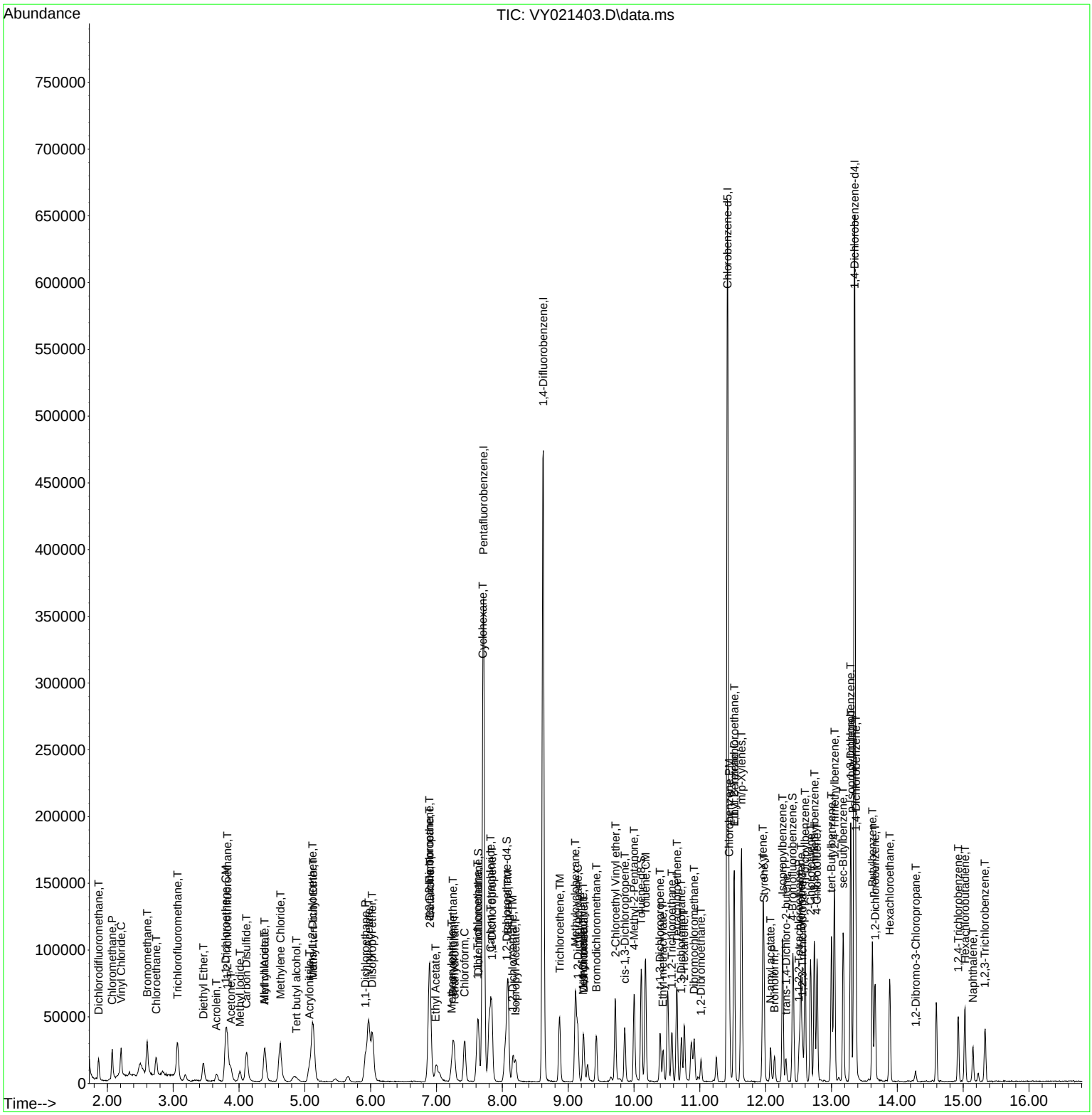
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021403.D
Acq On : 04 Mar 2025 12:15
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 05 03:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations APPROVED

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

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	227337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	353570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	304943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	150512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	119727	49.828	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.660%			
35) Dibromofluoromethane	7.640	113	118281	50.894	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.780%			
50) Toluene-d8	10.115	98	468697	53.263	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.520%			
62) 4-Bromofluorobenzene	12.414	95	154333	51.560	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	98287	47.113	ug/l	99
3) Chloromethane	2.074	50	144341	49.075	ug/l	99
4) Vinyl Chloride	2.214	62	161453	50.231	ug/l	97
5) Bromomethane	2.605	94	107517	46.283	ug/l	100
6) Chloroethane	2.745	64	103894	48.912	ug/l	98
7) Trichlorofluoromethane	3.068	101	219880	49.011	ug/l	99
8) Diethyl Ether	3.464	74	56729	45.628	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	123311	48.142	ug/l	99
10) Methyl Iodide	4.013	142	125851	48.336	ug/l	99
11) Tert butyl alcohol	4.866	59	33542	211.206	ug/l	96
12) 1,1-Dichloroethene	3.800	96	115418	49.424	ug/l	97
13) Acrolein	3.659	56	5504	45.035	ug/l	89
14) Allyl chloride	4.397	41	190579	50.500	ug/l	99
15) Acrylonitrile	5.068	53	115490	218.213	ug/l	99
16) Acetone	3.873	43	126338	241.068	ug/l	94
17) Carbon Disulfide	4.117	76	369324	50.464	ug/l	99
18) Methyl Acetate	4.391	43	51747	44.501	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	267823	45.249	ug/l	100
20) Methylene Chloride	4.623	84	120803	43.913	ug/l	99
21) trans-1,2-Dichloroethene	5.129	96	125702	48.065	ug/l	99
22) Diisopropyl ether	6.031	45	393029	48.325	ug/l	96
23) Vinyl Acetate	5.970	43	1084996	233.756	ug/l	99
24) 1,1-Dichloroethane	5.927	63	231573	48.243	ug/l	99
25) 2-Butanone	6.903	43	161045	222.145	ug/l	99
26) 2,2-Dichloropropane	6.896	77	214717	48.615	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	144113	48.506	ug/l	100
28) Bromochloromethane	7.256	49	113096	56.200	ug/l	98
29) Tetrahydrofuran	7.268	42	95855	214.177	ug/l	99
30) Chloroform	7.427	83	238047	47.758	ug/l	95
31) Cyclohexane	7.707	56	214745	47.720	ug/l	99
32) 1,1,1-Trichloroethane	7.628	97	222274	48.703	ug/l	100
36) 1,1-Dichloropropene	7.841	75	177770	48.866	ug/l	99
37) Ethyl Acetate	6.994	43	69266	43.078	ug/l	99
38) Carbon Tetrachloride	7.823	117	204174	48.800	ug/l	98
39) Methylcyclohexane	9.116	83	230810	51.724	ug/l	98
40) Benzene	8.085	78	520202	48.542	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.250	41	45456m	51.920	ug/l		
42) 1,2-Dichloroethane	8.165	62	136088	45.393	ug/l		99
43) Isopropyl Acetate	8.201	43	134330	43.036	ug/l		99
44) Trichloroethene	8.872	130	130855	48.321	ug/l		99
45) 1,2-Dichloropropane	9.146	63	120606	47.287	ug/l		98
46) Dibromomethane	9.238	93	64447	45.413	ug/l		99
47) Bromodichloromethane	9.433	83	176210	46.755	ug/l		99
48) Methyl methacrylate	9.225	41	65433	45.652	ug/l		98
49) 1,4-Dioxane	9.238	88	12183	874.634	ug/l		97
51) 4-Methyl-2-Pentanone	10.006	43	349128	216.781	ug/l		100
52) Toluene	10.176	92	334342	49.486	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	157093	47.312	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	190151	48.236	ug/l		100
55) 1,1,2-Trichloroethane	10.579	97	83139	44.786	ug/l		98
56) Ethyl methacrylate	10.445	69	109629	46.305	ug/l		98
57) 1,3-Dichloropropane	10.725	76	148349	46.108	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	270898	247.869	ug/l		99
59) 2-Hexanone	10.768	43	238913	224.350	ug/l		100
60) Dibromochloromethane	10.914	129	117776	46.278	ug/l		99
61) 1,2-Dibromoethane	11.024	107	80473	45.932	ug/l		98
64) Tetrachloroethene	10.652	164	122018	49.207	ug/l		98
65) Chlorobenzene	11.451	112	350050	48.611	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.524	131	122471	48.104	ug/l		99
67) Ethyl Benzene	11.524	91	641534	50.757	ug/l		100
68) m/p-Xylenes	11.633	106	483835	100.830	ug/l		98
69) o-Xylene	11.963	106	225974	51.096	ug/l		99
70) Styrene	11.975	104	369770	50.400	ug/l		100
71) Bromoform	12.139	173	65305	45.886	ug/l	#	100
73) Isopropylbenzene	12.261	105	618726	52.186	ug/l		100
74) N-amyl acetate	12.079	43	117390	45.591	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	92237	44.086	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	68229m	44.986	ug/l		
77) Bromobenzene	12.536	156	133678	48.194	ug/l		99
78) n-propylbenzene	12.603	91	752110	52.233	ug/l		100
79) 2-Chlorotoluene	12.688	91	415988	50.525	ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	502113	52.113	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	30408	45.578	ug/l		98
82) 4-Chlorotoluene	12.786	91	427326	50.122	ug/l		100
83) tert-Butylbenzene	13.005	119	456314	53.088	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	492767	51.510	ug/l		100
85) sec-Butylbenzene	13.182	105	676621	52.908	ug/l		100
86) p-Isopropyltoluene	13.298	119	553730	52.556	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	269044	48.728	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	260977	48.331	ug/l		99
89) n-Butylbenzene	13.621	91	521532	53.606	ug/l		99
90) Hexachloroethane	13.889	117	112571	50.084	ug/l		99
91) 1,2-Dichlorobenzene	13.664	146	227078	47.985	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	13368	42.654	ug/l		97
93) 1,2,4-Trichlorobenzene	14.926	180	127655	49.388	ug/l		98
94) Hexachlorobutadiene	15.029	225	84554	52.186	ug/l		98
95) Naphthalene	15.151	128	196345	45.480	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	105737	48.639	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations APPROVED

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

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 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

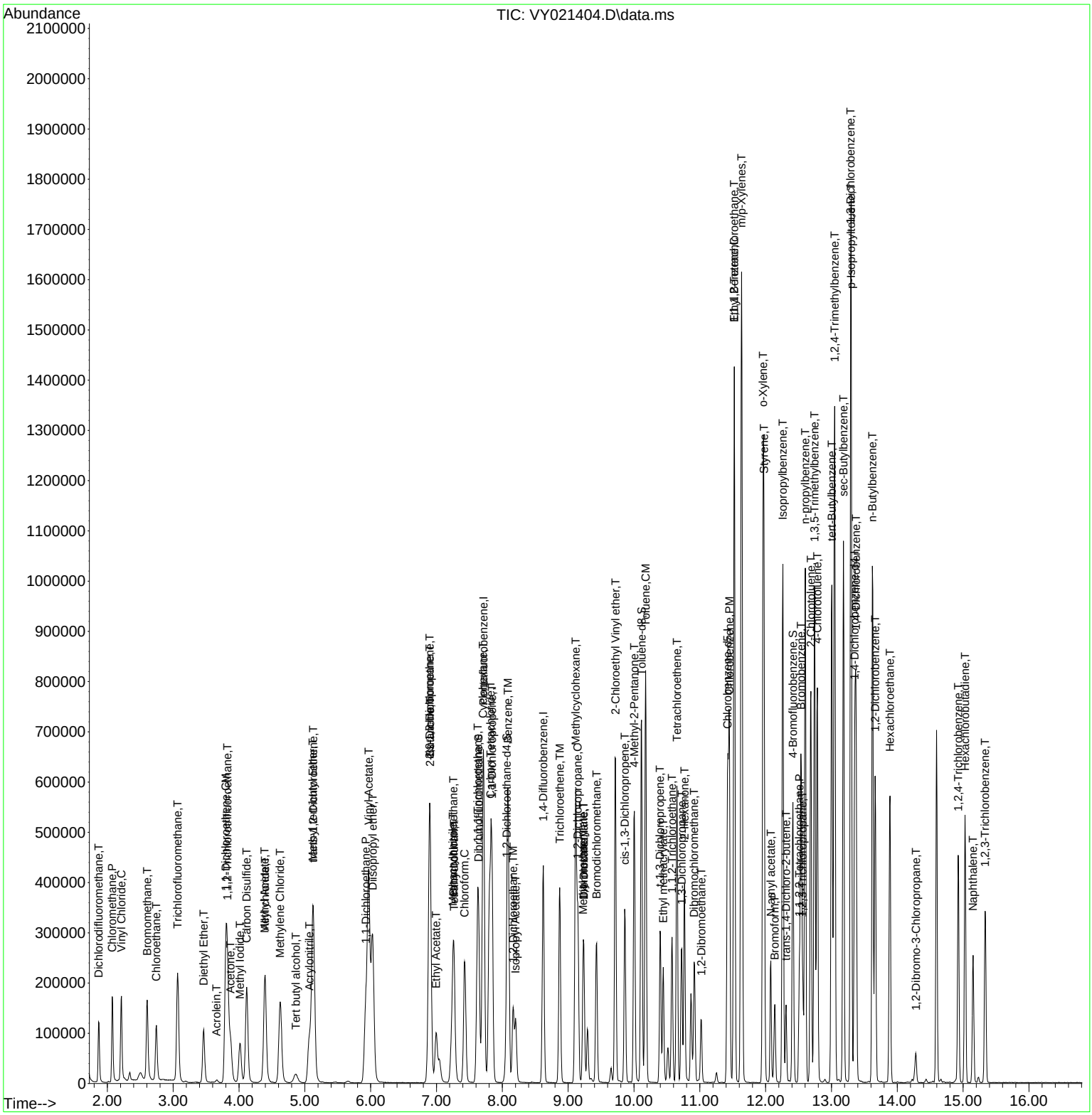
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations APPROVED

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



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.459	0.432	5.9	93	0.00
3	P	Chloromethane	0.647	0.635	1.9	99	0.00
4	C	Vinyl Chloride	0.707	0.710	-0.4#	99	0.00
5	T	Bromomethane	0.511	0.473	7.4	98	0.00
6	T	Chloroethane	0.467	0.457	2.1	96	0.00
7	T	Trichlorofluoromethane	0.987	0.967	2.0	97	0.00
8	T	Diethyl Ether	0.273	0.250	8.4	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.563	0.542	3.7	97	0.00
10	T	Methyl Iodide	0.573	0.554	3.3	85	0.00
11	T	Tert butyl alcohol	0.041	0.030	26.8#	75	0.00
12	CM	1,1-Dichloroethene	0.514	0.508	1.2#	97	0.00
13	T	Acrolein	0.027	0.005	81.5#	103	0.00
14	T	Allyl chloride	0.830	0.838	-1.0	96	0.00
15	T	Acrylonitrile	0.116	0.102	12.1	79	0.00
16	T	Acetone	0.115	0.111	3.5	80	0.00
17	T	Carbon Disulfide	1.610	1.625	-0.9	96	0.00
18	T	Methyl Acetate	0.256	0.228	10.9	77	0.00
19	T	Methyl tert-butyl Ether	1.302	1.178	9.5	83	0.00
20	T	Methylene Chloride	0.605	0.531	12.2	93	0.00
21	T	trans-1,2-Dichloroethene	0.575	0.553	3.8	95	0.00
22	T	Diisopropyl ether	1.789	1.729	3.4	90	0.00
23	T	Vinyl Acetate	1.021	0.955	6.5	83	0.00
24	P	1,1-Dichloroethane	1.056	1.019	3.5	94	0.00
25	T	2-Butanone	0.159	0.142	10.7	76	0.00
26	T	2,2-Dichloropropane	0.971	0.944	2.8	97	0.00
27	T	cis-1,2-Dichloroethene	0.653	0.634	2.9	94	0.00
28	T	Bromochloromethane	0.443	0.497	-12.2	103	0.00
29	T	Tetrahydrofuran	0.098	0.084	14.3	74	0.00
30	C	Chloroform	1.096	1.047	4.5#	93	0.00
31	T	Cyclohexane	0.990	0.945	4.5	97	0.00
32	T	1,1,1-Trichloroethane	1.004	0.978	2.6	97	0.00
33	S	1,2-Dichloroethane-d4	0.528	0.527	0.2	106	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.329	0.335	-1.8	111	0.00
36	T	1,1-Dichloropropene	0.514	0.503	2.1	95	0.00
37	T	Ethyl Acetate	0.227	0.196	13.7	78	0.00
38	T	Carbon Tetrachloride	0.592	0.577	2.5	97	0.00
39	T	Methylcyclohexane	0.631	0.653	-3.5	98	0.00
40	TM	Benzene	1.515	1.471	2.9	94	0.00
41	T	Methacrylonitrile	0.124	0.129	-4.0	96	0.03
42	TM	1,2-Dichloroethane	0.424	0.385	9.2	87	0.00
43	T	Isopropyl Acetate	0.441	0.380	13.8	77	0.00
44	TM	Trichloroethene	0.383	0.370	3.4	95	0.00
45	C	1,2-Dichloropropane	0.361	0.341	5.5#	91	0.00
46	T	Dibromomethane	0.201	0.182	9.5	84	0.00
47	T	Bromodichloromethane	0.533	0.498	6.6	89	0.00
48	T	Methyl methacrylate	0.203	0.185	8.9	79	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 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	75	0.00
50	S	Toluene-d8	1.244	1.326	-6.6	115	0.00
51	T	4-Methyl-2-Pentanone	0.228	0.197	13.6	74	0.00
52	CM	Toluene	0.955	0.946	0.9#	94	0.00
53	T	t-1,3-Dichloropropene	0.470	0.444	5.5	87	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.538	3.4	90	0.00
55	T	1,1,2-Trichloroethane	0.263	0.235	10.6	82	0.00
56	T	Ethyl methacrylate	0.335	0.310	7.5	79	0.00
57	T	1,3-Dichloropropane	0.455	0.420	7.7	86	0.00
58	T	2-Chloroethyl Vinyl ether	0.155	0.153	1.3	86	0.00
59	T	2-Hexanone	0.151	0.135	10.6	73	0.00
60	T	Dibromochloromethane	0.360	0.333	7.5	87	0.00
61	T	1,2-Dibromoethane	0.248	0.228	8.1	85	0.00
62	S	4-Bromofluorobenzene	0.423	0.436	-3.1	111	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.407	0.400	1.7	94	0.00
65	PM	Chlorobenzene	1.181	1.148	2.8	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.417	0.402	3.6	91	0.00
67	C	Ethyl Benzene	2.072	2.104	-1.5#	94	0.00
68	T	m/p-Xylenes	0.787	0.793	-0.8	92	0.00
69	T	o-Xylene	0.725	0.741	-2.2	93	0.00
70	T	Styrene	1.203	1.213	-0.8	90	0.00
71	P	Bromoform	0.233	0.214	8.2	81	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.939	4.111	-4.4	94	0.00
74	T	N-amyl acetate	0.855	0.780	8.8	76	0.00
75	P	1,1,2,2-Tetrachloroethane	0.695	0.613	11.8	78	0.00
76	T	1,2,3-Trichloropropane	0.504	0.453	10.1	85	0.00
77	T	Bromobenzene	0.921	0.888	3.6	89	0.00
78	T	n-propylbenzene	4.783	4.997	-4.5	94	0.00
79	T	2-Chlorotoluene	2.735	2.764	-1.1	93	0.00
80	T	1,3,5-Trimethylbenzene	3.201	3.336	-4.2	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.222	0.202	9.0	79	0.00
82	T	4-Chlorotoluene	2.832	2.839	-0.2	92	0.00
83	T	tert-Butylbenzene	2.855	3.032	-6.2	96	0.00
84	T	1,2,4-Trimethylbenzene	3.178	3.274	-3.0	93	0.00
85	T	sec-Butylbenzene	4.248	4.495	-5.8	96	0.00
86	T	p-Isopropyltoluene	3.500	3.679	-5.1	95	0.00
87	T	1,3-Dichlorobenzene	1.834	1.788	2.5	91	0.00
88	T	1,4-Dichlorobenzene	1.794	1.734	3.3	90	0.00
89	T	n-Butylbenzene	3.232	3.465	-7.2	95	0.00
90	T	Hexachloroethane	0.747	0.748	-0.1	95	0.00
91	T	1,2-Dichlorobenzene	1.572	1.509	4.0	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.104	0.089	14.4	76	0.00
93	T	1,2,4-Trichlorobenzene	0.859	0.848	1.3	86	0.00
94	T	Hexachlorobutadiene	0.538	0.562	-4.5	94	0.00
95	T	Naphthalene	1.390	1.305	6.1	77	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 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	0.722	0.703	2.6	84	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\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	47.113	5.8	93	0.00
3	P	Chloromethane	50.000	49.075	1.8	99	0.00
4	C	Vinyl Chloride	50.000	50.231	-0.5#	99	0.00
5	T	Bromomethane	50.000	46.283	7.4	98	0.00
6	T	Chloroethane	50.000	48.912	2.2	96	0.00
7	T	Trichlorofluoromethane	50.000	49.011	2.0	97	0.00
8	T	Diethyl Ether	50.000	45.628	8.7	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.142	3.7	97	0.00
10	T	Methyl Iodide	50.000	48.336	3.3	85	0.00
11	T	Tert butyl alcohol	250.000	211.206	15.5	75	0.00
12	CM	1,1-Dichloroethene	50.000	49.424	1.2#	97	0.00
13	T	Acrolein	250.000	45.035	82.0#	103	0.00
14	T	Allyl chloride	50.000	50.500	-1.0	96	0.00
15	T	Acrylonitrile	250.000	218.213	12.7	79	0.00
16	T	Acetone	250.000	241.068	3.6	80	0.00
17	T	Carbon Disulfide	50.000	50.464	-0.9	96	0.00
18	T	Methyl Acetate	50.000	44.501	11.0	77	0.00
19	T	Methyl tert-butyl Ether	50.000	45.249	9.5	83	0.00
20	T	Methylene Chloride	50.000	43.913	12.2	93	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.065	3.9	95	0.00
22	T	Diisopropyl ether	50.000	48.325	3.3	90	0.00
23	T	Vinyl Acetate	250.000	233.756	6.5	83	0.00
24	P	1,1-Dichloroethane	50.000	48.243	3.5	94	0.00
25	T	2-Butanone	250.000	222.145	11.1	76	0.00
26	T	2,2-Dichloropropane	50.000	48.615	2.8	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.506	3.0	94	0.00
28	T	Bromochloromethane	50.000	56.200	-12.4	103	0.00
29	T	Tetrahydrofuran	250.000	214.177	14.3	74	0.00
30	C	Chloroform	50.000	47.758	4.5#	93	0.00
31	T	Cyclohexane	50.000	47.720	4.6	97	0.00
32	T	1,1,1-Trichloroethane	50.000	48.703	2.6	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.828	0.3	106	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	50.894	-1.8	111	0.00
36	T	1,1-Dichloropropene	50.000	48.866	2.3	95	0.00
37	T	Ethyl Acetate	50.000	43.078	13.8	78	0.00
38	T	Carbon Tetrachloride	50.000	48.800	2.4	97	0.00
39	T	Methylcyclohexane	50.000	51.724	-3.4	98	0.00
40	TM	Benzene	50.000	48.542	2.9	94	0.00
41	T	Methacrylonitrile	50.000	51.920	-3.8	96	0.03
42	TM	1,2-Dichloroethane	50.000	45.393	9.2	87	0.00
43	T	Isopropyl Acetate	50.000	43.036	13.9	77	0.00
44	TM	Trichloroethene	50.000	48.321	3.4	95	0.00
45	C	1,2-Dichloropropane	50.000	47.287	5.4#	91	0.00
46	T	Dibromomethane	50.000	45.413	9.2	84	0.00
47	T	Bromodichloromethane	50.000	46.755	6.5	89	0.00
48	T	Methyl methacrylate	50.000	45.652	8.7	79	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 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	874.634	12.5	75	0.00
50	S	Toluene-d8	50.000	53.263	-6.5	115	0.00
51	T	4-Methyl-2-Pentanone	250.000	216.781	13.3	74	0.00
52	CM	Toluene	50.000	49.486	1.0#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	47.312	5.4	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.236	3.5	90	0.00
55	T	1,1,2-Trichloroethane	50.000	44.786	10.4	82	0.00
56	T	Ethyl methacrylate	50.000	46.305	7.4	79	0.00
57	T	1,3-Dichloropropane	50.000	46.108	7.8	86	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	247.869	0.9	86	0.00
59	T	2-Hexanone	250.000	224.350	10.3	73	0.00
60	T	Dibromochloromethane	50.000	46.278	7.4	87	0.00
61	T	1,2-Dibromoethane	50.000	45.932	8.1	85	0.00
62	S	4-Bromofluorobenzene	50.000	51.560	-3.1	111	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	49.207	1.6	94	0.00
65	PM	Chlorobenzene	50.000	48.611	2.8	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.104	3.8	91	0.00
67	C	Ethyl Benzene	50.000	50.757	-1.5#	94	0.00
68	T	m/p-Xylenes	100.000	100.830	-0.8	92	0.00
69	T	o-Xylene	50.000	51.096	-2.2	93	0.00
70	T	Styrene	50.000	50.400	-0.8	90	0.00
71	P	Bromoform	50.000	45.886	8.2	81	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	52.186	-4.4	94	0.00
74	T	N-amyl acetate	50.000	45.591	8.8	76	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.086	11.8	78	0.00
76	T	1,2,3-Trichloropropane	50.000	44.986	10.0	85	0.00
77	T	Bromobenzene	50.000	48.194	3.6	89	0.00
78	T	n-propylbenzene	50.000	52.233	-4.5	94	0.00
79	T	2-Chlorotoluene	50.000	50.525	-1.0	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.113	-4.2	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.578	8.8	79	0.00
82	T	4-Chlorotoluene	50.000	50.122	-0.2	92	0.00
83	T	tert-Butylbenzene	50.000	53.088	-6.2	96	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.510	-3.0	93	0.00
85	T	sec-Butylbenzene	50.000	52.908	-5.8	96	0.00
86	T	p-Isopropyltoluene	50.000	52.556	-5.1	95	0.00
87	T	1,3-Dichlorobenzene	50.000	48.728	2.5	91	0.00
88	T	1,4-Dichlorobenzene	50.000	48.331	3.3	90	0.00
89	T	n-Butylbenzene	50.000	53.606	-7.2	95	0.00
90	T	Hexachloroethane	50.000	50.084	-0.2	95	0.00
91	T	1,2-Dichlorobenzene	50.000	47.985	4.0	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	42.654	14.7	76	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.388	1.2	86	0.00
94	T	Hexachlorobutadiene	50.000	52.186	-4.4	94	0.00
95	T	Naphthalene	50.000	45.480	9.0	77	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 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	48.639	2.7	84	0.00

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

Raw Data: **VY021406.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: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: MSVOA_Y Calibration Date/Time: 03/05/2025 11:39

Lab File ID: VY021406.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.459	0.395		-13.94	20
Chloromethane	0.647	0.602	0.1	-6.95	20
Vinyl Chloride	0.707	0.693		-1.98	20
Bromomethane	0.511	0.454		-11.15	20
Chloroethane	0.467	0.460		-1.5	20
Trichlorofluoromethane	0.987	0.928		-5.98	20
1,1,2-Trichlorotrifluoroethane	0.563	0.488		-13.32	20
1,1-Dichloroethene	0.514	0.465		-9.53	20
Acetone	0.115	0.107		-6.96	20
Carbon Disulfide	1.610	1.471		-8.63	20
Methyl tert-butyl Ether	1.302	1.315		1	20
Methyl Acetate	0.256	0.275		7.42	20
Methylene Chloride	0.605	0.523		-13.55	20
trans-1,2-Dichloroethene	0.575	0.527		-8.35	20
1,1-Dichloroethane	1.056	0.976	0.1	-7.58	20
Cyclohexane	0.990	0.822		-16.97	20
2-Butanone	0.159	0.162		1.89	20
Carbon Tetrachloride	0.592	0.529		-10.64	20
cis-1,2-Dichloroethene	0.653	0.616		-5.67	20
Bromochloromethane	0.443	0.392		-11.51	20
Chloroform	1.096	1.005		-8.3	20
1,1,1-Trichloroethane	1.004	0.905		-9.86	20
Methylcyclohexane	0.631	0.545		-13.63	20
Benzene	1.515	1.400		-7.59	20
1,2-Dichloroethane	0.424	0.407		-4.01	20
Trichloroethene	0.383	0.353		-7.83	20
1,2-Dichloropropane	0.361	0.339		-6.09	20
Bromodichloromethane	0.533	0.504		-5.44	20
4-Methyl-2-Pentanone	0.228	0.249		9.21	20
Toluene	0.955	0.888		-7.02	20
t-1,3-Dichloropropene	0.470	0.463		-1.49	20
cis-1,3-Dichloropropene	0.557	0.541		-2.87	20
1,1,2-Trichloroethane	0.263	0.255		-3.04	20
2-Hexanone	0.151	0.169		11.92	20
Dibromochloromethane	0.360	0.353		-1.94	20
1,2-Dibromoethane	0.248	0.244		-1.61	20
Tetrachloroethene	0.407	0.367		-9.83	20
Chlorobenzene	1.181	1.084	0.3	-8.21	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: **VY021406.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: MSVOA_Y Calibration Date/Time: 03/05/2025 11:39

Lab File ID: VY021406.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.072	1.909		-7.87	20
m/p-Xylenes	0.787	0.728		-7.5	20
o-Xylene	0.725	0.686		-5.38	20
Styrene	1.203	1.164		-3.24	20
Bromoform	0.233	0.234	0.1	0.43	20
Isopropylbenzene	3.939	3.479		-11.68	20
1,1,2,2-Tetrachloroethane	0.695	0.670	0.3	-3.6	20
1,3-Dichlorobenzene	1.834	1.630		-11.12	20
1,4-Dichlorobenzene	1.794	1.611		-10.2	20
1,2-Dichlorobenzene	1.572	1.457		-7.32	20
1,2-Dibromo-3-Chloropropane	0.104	0.104		0	20
1,2,4-Trichlorobenzene	0.859	0.825		-3.96	20
1,2,3-Trichlorobenzene	0.722	0.707		-2.08	20
1,2-Dichloroethane-d4	0.528	0.563		6.63	20
Dibromofluoromethane	0.329	0.348		5.78	20
Toluene-d8	1.244	1.298		4.34	20
4-Bromofluorobenzene	0.423	0.449		6.15	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\VY030525\
Data File : VY021406.D
Acq On : 05 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 06 02:53:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	253694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	393321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	351518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	179824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142742	53.234	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.460%			
35) Dibromofluoromethane	7.634	113	136768	52.901	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.800%			
50) Toluene-d8	10.109	98	510620	52.163	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.320%			
62) 4-Bromofluorobenzene	12.408	95	176716	53.071	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	100209	43.044	ug/l	99
3) Chloromethane	2.068	50	152732	46.533	ug/l	98
4) Vinyl Chloride	2.202	62	175802	49.013	ug/l	99
5) Bromomethane	2.592	94	115209	44.442	ug/l	97
6) Chloroethane	2.733	64	116627	49.203	ug/l	93
7) Trichlorofluoromethane	3.056	101	235513	47.042	ug/l	98
8) Diethyl Ether	3.458	74	66043	47.601	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	123843	43.326	ug/l	100
10) Methyl Iodide	4.007	142	144186	49.624	ug/l	100
11) Tert butyl alcohol	4.854	59	49325	286.190	ug/l	99
12) 1,1-Dichloroethene	3.787	96	117889	45.238	ug/l	95
13) Acrolein	3.653	56	6332	46.427	ug/l	88
14) Allyl chloride	4.379	41	196118	46.568	ug/l	99
15) Acrylonitrile	5.055	53	149382	252.927	ug/l	99
16) Acetone	3.866	43	135285	231.321	ug/l	94
17) Carbon Disulfide	4.104	76	373070	45.680	ug/l	99
18) Methyl Acetate	4.385	43	69645	53.670	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	333615	50.509	ug/l	99
20) Methylene Chloride	4.616	84	132608	43.196	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	133720	45.818	ug/l	98
22) Diisopropyl ether	6.019	45	435911	48.029	ug/l	95
23) Vinyl Acetate	5.958	43	1305680	252.076	ug/l	100
24) 1,1-Dichloroethane	5.915	63	247632	46.229	ug/l	99
25) 2-Butanone	6.890	43	205058	253.470	ug/l	97
26) 2,2-Dichloropropane	6.884	77	219160	44.466	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	156327	47.150	ug/l	98
28) Bromochloromethane	7.244	49	99378	44.253	ug/l	100
29) Tetrahydrofuran	7.262	42	134526	269.354	ug/l	100
30) Chloroform	7.421	83	254943	45.834	ug/l	96
31) Cyclohexane	7.701	56	208509	41.520	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	229590	45.079	ug/l	100
36) 1,1-Dichloropropene	7.835	75	182538	45.106	ug/l	99
37) Ethyl Acetate	6.982	43	96237	53.803	ug/l	98
38) Carbon Tetrachloride	7.817	117	208002	44.691	ug/l	99
39) Methylcyclohexane	9.109	83	214518	43.215	ug/l	99
40) Benzene	8.079	78	550724	46.197	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021406.D
Acq On : 05 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 06 02:53:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	48819	50.125	ug/l	#	94
42) 1,2-Dichloroethane	8.158	62	159980	47.970	ug/l		100
43) Isopropyl Acetate	8.195	43	178204	51.322	ug/l		99
44) Trichloroethene	8.866	130	138798	46.074	ug/l		98
45) 1,2-Dichloropropane	9.140	63	133144	46.927	ug/l		100
46) Dibromomethane	9.231	93	77271	48.947	ug/l		100
47) Bromodichloromethane	9.420	83	198239	47.285	ug/l		99
48) Methyl methacrylate	9.219	41	83204	52.184	ug/l		98
49) 1,4-Dioxane	9.225	88	17400	1122.923	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.000	43	488989	272.938	ug/l		99
52) Toluene	10.170	92	349223	46.465	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	182055	49.289	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	212873	48.542	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	100426	48.631	ug/l		99
56) Ethyl methacrylate	10.438	69	142596	54.143	ug/l		100
57) 1,3-Dichloropropane	10.719	76	177256	49.525	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	301666	248.125	ug/l		100
59) 2-Hexanone	10.762	43	331900	280.170	ug/l		99
60) Dibromochloromethane	10.908	129	138735	49.004	ug/l		99
61) 1,2-Dibromoethane	11.012	107	96126	49.321	ug/l		99
64) Tetrachloroethene	10.646	164	129076	45.156	ug/l		99
65) Chlorobenzene	11.438	112	381151	45.917	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	134759	45.918	ug/l		99
67) Ethyl Benzene	11.518	91	671051	46.058	ug/l		100
68) m/p-Xylenes	11.627	106	511823	92.530	ug/l		99
69) o-Xylene	11.956	106	241207	47.314	ug/l		99
70) Styrene	11.969	104	409182	48.382	ug/l		100
71) Bromoform	12.133	173	82291	50.160	ug/l	#	99
73) Isopropylbenzene	12.255	105	625570	44.162	ug/l		100
74) N-amyl acetate	12.072	43	160862	52.291	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	120570	48.234	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	88102m	48.620	ug/l		
77) Bromobenzene	12.530	156	151393	45.684	ug/l		99
78) n-propylbenzene	12.597	91	761639	44.273	ug/l		100
79) 2-Chlorotoluene	12.682	91	438547	44.583	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	511123	44.401	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	39643	49.734	ug/l		94
82) 4-Chlorotoluene	12.780	91	461879	45.344	ug/l		99
83) tert-Butylbenzene	12.999	119	451658	43.981	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	518969	45.406	ug/l		99
85) sec-Butylbenzene	13.176	105	645229	42.229	ug/l		99
86) p-Isopropyltoluene	13.292	119	548013	43.535	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	293176	44.444	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	289782	44.918	ug/l		99
89) n-Butylbenzene	13.621	91	506117	43.542	ug/l		100
90) Hexachloroethane	13.883	117	113526	42.276	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	261927	46.327	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18777	50.147	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	148286	48.018	ug/l		99
94) Hexachlorobutadiene	15.023	225	84098	43.444	ug/l		100
95) Naphthalene	15.145	128	270055	51.539	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	127059	48.920	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021406.D
Acq On : 05 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 06 02:53:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

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

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

Sample Results: **VY021406.D**

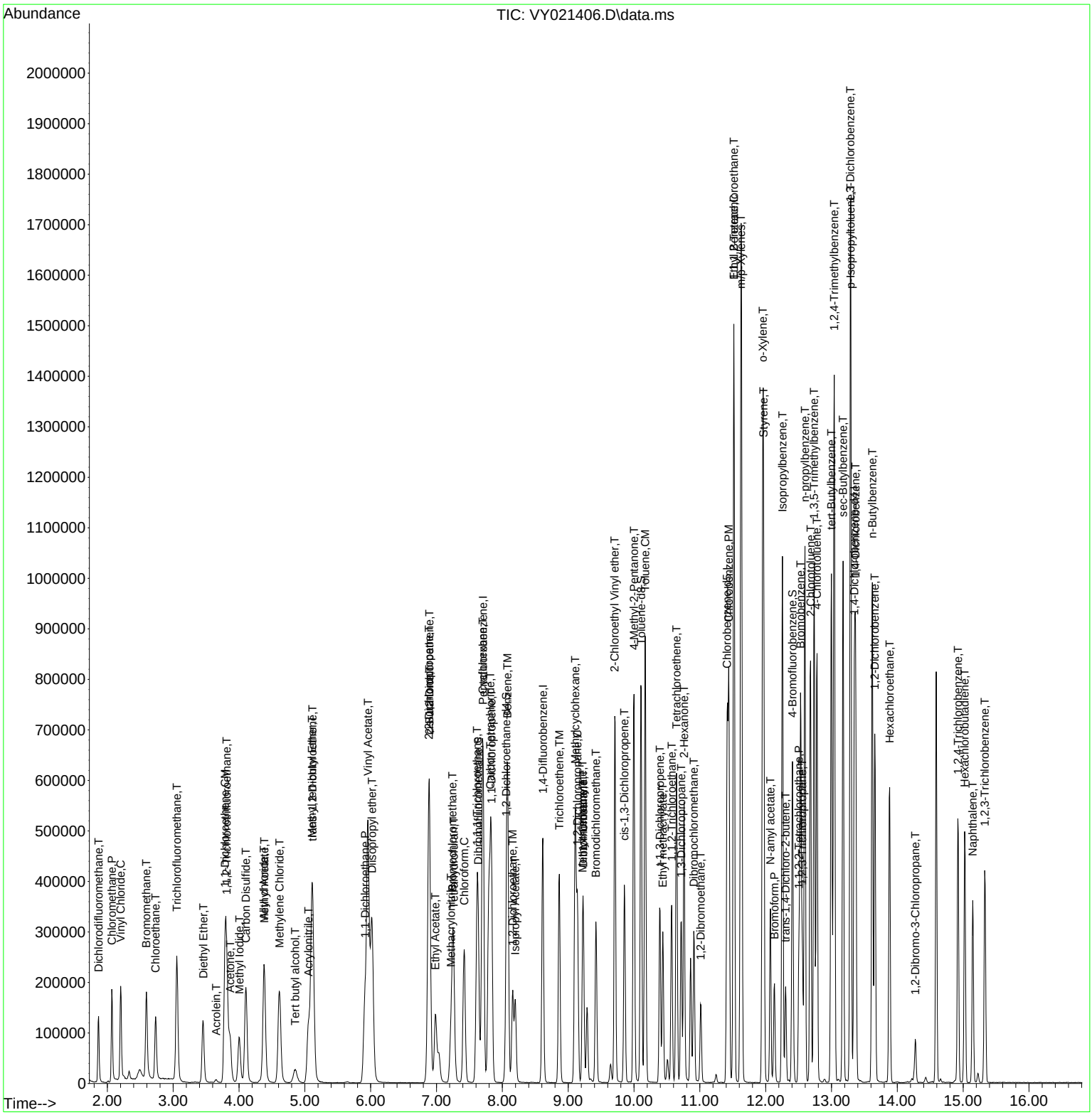
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021406.D
Acq On : 05 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 06 02:53:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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



Sample Results: **VY021406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021406.D
Acq On : 05 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 06 02:53:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 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	108	0.00
2	T	Dichlorodifluoromethane	0.459	0.395	13.9	95	0.00
3	P	Chloromethane	0.647	0.602	7.0	105	0.00
4	C	Vinyl Chloride	0.707	0.693	2.0#	108	0.00
5	T	Bromomethane	0.511	0.454	11.2	105	-0.01
6	T	Chloroethane	0.467	0.460	1.5	108	0.00
7	T	Trichlorofluoromethane	0.987	0.928	6.0	104	-0.01
8	T	Diethyl Ether	0.273	0.260	4.8	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.563	0.488	13.3	98	-0.02
10	T	Methyl Iodide	0.573	0.568	0.9	97	0.00
11	T	Tert butyl alcohol	0.041	0.039	4.9	111	-0.02
12	CM	1,1-Dichloroethene	0.514	0.465	9.5#	99	-0.01
13	T	Acrolein	0.027	0.005	81.5#	118	-0.01
14	T	Allyl chloride	0.830	0.773	6.9	99	-0.02
15	T	Acrylonitrile	0.116	0.118	-1.7	102	-0.01
16	T	Acetone	0.115	0.107	7.0	86	0.00
17	T	Carbon Disulfide	1.610	1.471	8.6	97	-0.01
18	T	Methyl Acetate	0.256	0.275	-7.4	104	0.00
19	T	Methyl tert-butyl Ether	1.302	1.315	-1.0	104	-0.01
20	T	Methylene Chloride	0.605	0.523	13.6	102	0.00
21	T	trans-1,2-Dichloroethene	0.575	0.527	8.3	101	-0.01
22	T	Diisopropyl ether	1.789	1.718	4.0	100	0.00
23	T	Vinyl Acetate	1.021	1.029	-0.8	100	-0.01
24	P	1,1-Dichloroethane	1.056	0.976	7.6	100	-0.01
25	T	2-Butanone	0.159	0.162	-1.9	97	0.00
26	T	2,2-Dichloropropane	0.971	0.864	11.0	99	0.00
27	T	cis-1,2-Dichloroethene	0.653	0.616	5.7	102	0.00
28	T	Bromochloromethane	0.443	0.392	11.5	90	0.00
29	T	Tetrahydrofuran	0.098	0.106	-8.2	104	0.00
30	C	Chloroform	1.096	1.005	8.3#	100	0.00
31	T	Cyclohexane	0.990	0.822	17.0	94	0.00
32	T	1,1,1-Trichloroethane	1.004	0.905	9.9	100	0.00
33	S	1,2-Dichloroethane-d4	0.528	0.563	-6.6	126	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
35	S	Dibromofluoromethane	0.329	0.348	-5.8	128	0.00
36	T	1,1-Dichloropropene	0.514	0.464	9.7	98	0.00
37	T	Ethyl Acetate	0.227	0.245	-7.9	108	0.00
38	T	Carbon Tetrachloride	0.592	0.529	10.6	98	0.00
39	T	Methylcyclohexane	0.631	0.545	13.6	91	0.00
40	TM	Benzene	1.515	1.400	7.6	99	0.00
41	T	Methacrylonitrile	0.124	0.124	0.0	104	0.00
42	TM	1,2-Dichloroethane	0.424	0.407	4.0	102	0.00
43	T	Isopropyl Acetate	0.441	0.453	-2.7	102	0.00
44	TM	Trichloroethene	0.383	0.353	7.8	101	0.00
45	C	1,2-Dichloropropane	0.361	0.339	6.1#	101	0.00
46	T	Dibromomethane	0.201	0.196	2.5	101	0.00
47	T	Bromodichloromethane	0.533	0.504	5.4	101	0.00
48	T	Methyl methacrylate	0.203	0.212	-4.4	101	0.00

Sample Results: **VY021406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021406.D
Acq On : 05 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 06 02:53:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	107	0.00
50	S	Toluene-d8	1.244	1.298	-4.3	125	0.00
51	T	4-Methyl-2-Pentanone	0.228	0.249	-9.2	103	0.00
52	CM	Toluene	0.955	0.888	7.0#	98	0.00
53	T	t-1,3-Dichloropropene	0.470	0.463	1.5	101	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.541	2.9	101	0.00
55	T	1,1,2-Trichloroethane	0.263	0.255	3.0	99	0.00
56	T	Ethyl methacrylate	0.335	0.363	-8.4	103	0.00
57	T	1,3-Dichloropropane	0.455	0.451	0.9	103	0.00
58	T	2-Chloroethyl Vinyl ether	0.155	0.153	1.3	96	0.00
59	T	2-Hexanone	0.151	0.169	-11.9	101	0.00
60	T	Dibromochloromethane	0.360	0.353	1.9	102	0.00
61	T	1,2-Dibromoethane	0.248	0.244	1.6	102	0.00
62	S	4-Bromofluorobenzene	0.423	0.449	-6.1	127	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64	T	Tetrachloroethene	0.407	0.367	9.8	100	0.00
65	PM	Chlorobenzene	1.181	1.084	8.2	100	0.00
66	T	1,1,1,2-Tetrachloroethane	0.417	0.383	8.2	100	0.00
67	C	Ethyl Benzene	2.072	1.909	7.9#	98	0.00
68	T	m/p-Xylenes	0.787	0.728	7.5	97	0.00
69	T	o-Xylene	0.725	0.686	5.4	99	0.00
70	T	Styrene	1.203	1.164	3.2	100	0.00
71	P	Bromoform	0.233	0.234	-0.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
73	T	Isopropylbenzene	3.939	3.479	11.7	95	0.00
74	T	N-amyl acetate	0.855	0.895	-4.7	104	0.00
75	P	1,1,2,2-Tetrachloroethane	0.695	0.670	3.6	102	0.00
76	T	1,2,3-Trichloropropane	0.504	0.490	2.8	110	0.00
77	T	Bromobenzene	0.921	0.842	8.6	101	0.00
78	T	n-propylbenzene	4.783	4.235	11.5	96	0.00
79	T	2-Chlorotoluene	2.735	2.439	10.8	98	0.00
80	T	1,3,5-Trimethylbenzene	3.201	2.842	11.2	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.222	0.220	0.9	102	0.00
82	T	4-Chlorotoluene	2.832	2.569	9.3	100	0.00
83	T	tert-Butylbenzene	2.855	2.512	12.0	95	0.00
84	T	1,2,4-Trimethylbenzene	3.178	2.886	9.2	98	0.00
85	T	sec-Butylbenzene	4.248	3.588	15.5	91	0.00
86	T	p-Isopropyltoluene	3.500	3.047	12.9	94	0.00
87	T	1,3-Dichlorobenzene	1.834	1.630	11.1	100	0.00
88	T	1,4-Dichlorobenzene	1.794	1.611	10.2	100	0.00
89	T	n-Butylbenzene	3.232	2.815	12.9	92	0.00
90	T	Hexachloroethane	0.747	0.631	15.5	96	0.00
91	T	1,2-Dichlorobenzene	1.572	1.457	7.3	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.104	0.104	0.0	107	0.00
93	T	1,2,4-Trichlorobenzene	0.859	0.825	4.0	100	0.00
94	T	Hexachlorobutadiene	0.538	0.468	13.0	94	0.00
95	T	Naphthalene	1.390	1.502	-8.1	105	0.00

Sample Results: **VY021406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021406.D
Acq On : 05 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 06 02:53:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 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	0.722	0.707	2.1	101	0.00

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

Sample Results: **VY021406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021406.D
Acq On : 05 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 06 02:53:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 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	108	0.00
2	T	Dichlorodifluoromethane	50.000	43.044	13.9	95	0.00
3	P	Chloromethane	50.000	46.533	6.9	105	0.00
4	C	Vinyl Chloride	50.000	49.013	2.0#	108	0.00
5	T	Bromomethane	50.000	44.442	11.1	105	-0.01
6	T	Chloroethane	50.000	49.203	1.6	108	0.00
7	T	Trichlorofluoromethane	50.000	47.042	5.9	104	-0.01
8	T	Diethyl Ether	50.000	47.601	4.8	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	43.326	13.3	98	-0.02
10	T	Methyl Iodide	50.000	49.624	0.8	97	0.00
11	T	Tert butyl alcohol	250.000	286.190	-14.5	111	-0.02
12	CM	1,1-Dichloroethene	50.000	45.238	9.5#	99	-0.01
13	T	Acrolein	250.000	46.427	81.4#	118	-0.01
14	T	Allyl chloride	50.000	46.568	6.9	99	-0.02
15	T	Acrylonitrile	250.000	252.927	-1.2	102	-0.01
16	T	Acetone	250.000	231.321	7.5	86	0.00
17	T	Carbon Disulfide	50.000	45.680	8.6	97	-0.01
18	T	Methyl Acetate	50.000	53.670	-7.3	104	0.00
19	T	Methyl tert-butyl Ether	50.000	50.509	-1.0	104	-0.01
20	T	Methylene Chloride	50.000	43.196	13.6	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.818	8.4	101	-0.01
22	T	Diisopropyl ether	50.000	48.029	3.9	100	0.00
23	T	Vinyl Acetate	250.000	252.076	-0.8	100	-0.01
24	P	1,1-Dichloroethane	50.000	46.229	7.5	100	-0.01
25	T	2-Butanone	250.000	253.470	-1.4	97	0.00
26	T	2,2-Dichloropropane	50.000	44.466	11.1	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.150	5.7	102	0.00
28	T	Bromochloromethane	50.000	44.253	11.5	90	0.00
29	T	Tetrahydrofuran	250.000	269.354	-7.7	104	0.00
30	C	Chloroform	50.000	45.834	8.3#	100	0.00
31	T	Cyclohexane	50.000	41.520	17.0	94	0.00
32	T	1,1,1-Trichloroethane	50.000	45.079	9.8	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.234	-6.5	126	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	109	0.00
35	S	Dibromofluoromethane	50.000	52.901	-5.8	128	0.00
36	T	1,1-Dichloropropene	50.000	45.106	9.8	98	0.00
37	T	Ethyl Acetate	50.000	53.803	-7.6	108	0.00
38	T	Carbon Tetrachloride	50.000	44.691	10.6	98	0.00
39	T	Methylcyclohexane	50.000	43.215	13.6	91	0.00
40	TM	Benzene	50.000	46.197	7.6	99	0.00
41	T	Methacrylonitrile	50.000	50.125	-0.3	104	0.00
42	TM	1,2-Dichloroethane	50.000	47.970	4.1	102	0.00
43	T	Isopropyl Acetate	50.000	51.322	-2.6	102	0.00
44	TM	Trichloroethene	50.000	46.074	7.9	101	0.00
45	C	1,2-Dichloropropane	50.000	46.927	6.1#	101	0.00
46	T	Dibromomethane	50.000	48.947	2.1	101	0.00
47	T	Bromodichloromethane	50.000	47.285	5.4	101	0.00
48	T	Methyl methacrylate	50.000	52.184	-4.4	101	0.00

Sample Results: **VY021406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021406.D
Acq On : 05 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 06 02:53:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 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	1122.923	-12.3	107	0.00
50	S	Toluene-d8	50.000	52.163	-4.3	125	0.00
51	T	4-Methyl-2-Pentanone	250.000	272.938	-9.2	103	0.00
52	CM	Toluene	50.000	46.465	7.1#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	49.289	1.4	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.542	2.9	101	0.00
55	T	1,1,2-Trichloroethane	50.000	48.631	2.7	99	0.00
56	T	Ethyl methacrylate	50.000	54.143	-8.3	103	0.00
57	T	1,3-Dichloropropane	50.000	49.525	1.0	103	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	248.125	0.8	96	0.00
59	T	2-Hexanone	250.000	280.170	-12.1	101	0.00
60	T	Dibromochloromethane	50.000	49.004	2.0	102	0.00
61	T	1,2-Dibromoethane	50.000	49.321	1.4	102	0.00
62	S	4-Bromofluorobenzene	50.000	53.071	-6.1	127	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64	T	Tetrachloroethene	50.000	45.156	9.7	100	0.00
65	PM	Chlorobenzene	50.000	45.917	8.2	100	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.918	8.2	100	0.00
67	C	Ethyl Benzene	50.000	46.058	7.9#	98	0.00
68	T	m/p-Xylenes	100.000	92.530	7.5	97	0.00
69	T	o-Xylene	50.000	47.314	5.4	99	0.00
70	T	Styrene	50.000	48.382	3.2	100	0.00
71	P	Bromoform	50.000	50.160	-0.3	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	111	0.00
73	T	Isopropylbenzene	50.000	44.162	11.7	95	0.00
74	T	N-amyl acetate	50.000	52.291	-4.6	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.234	3.5	102	0.00
76	T	1,2,3-Trichloropropane	50.000	48.620	2.8	110	0.00
77	T	Bromobenzene	50.000	45.684	8.6	101	0.00
78	T	n-propylbenzene	50.000	44.273	11.5	96	0.00
79	T	2-Chlorotoluene	50.000	44.583	10.8	98	0.00
80	T	1,3,5-Trimethylbenzene	50.000	44.401	11.2	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.734	0.5	102	0.00
82	T	4-Chlorotoluene	50.000	45.344	9.3	100	0.00
83	T	tert-Butylbenzene	50.000	43.981	12.0	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	45.406	9.2	98	0.00
85	T	sec-Butylbenzene	50.000	42.229	15.5	91	0.00
86	T	p-Isopropyltoluene	50.000	43.535	12.9	94	0.00
87	T	1,3-Dichlorobenzene	50.000	44.444	11.1	100	0.00
88	T	1,4-Dichlorobenzene	50.000	44.918	10.2	100	0.00
89	T	n-Butylbenzene	50.000	43.542	12.9	92	0.00
90	T	Hexachloroethane	50.000	42.276	15.4	96	0.00
91	T	1,2-Dichlorobenzene	50.000	46.327	7.3	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.147	-0.3	107	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.018	4.0	100	0.00
94	T	Hexachlorobutadiene	50.000	43.444	13.1	94	0.00
95	T	Naphthalene	50.000	51.539	-3.1	105	0.00

Sample Results: **VY021406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021406.D
Acq On : 05 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 06 02:53:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 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	48.920	2.2	101	0.00

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

QC SAMPLE DATA

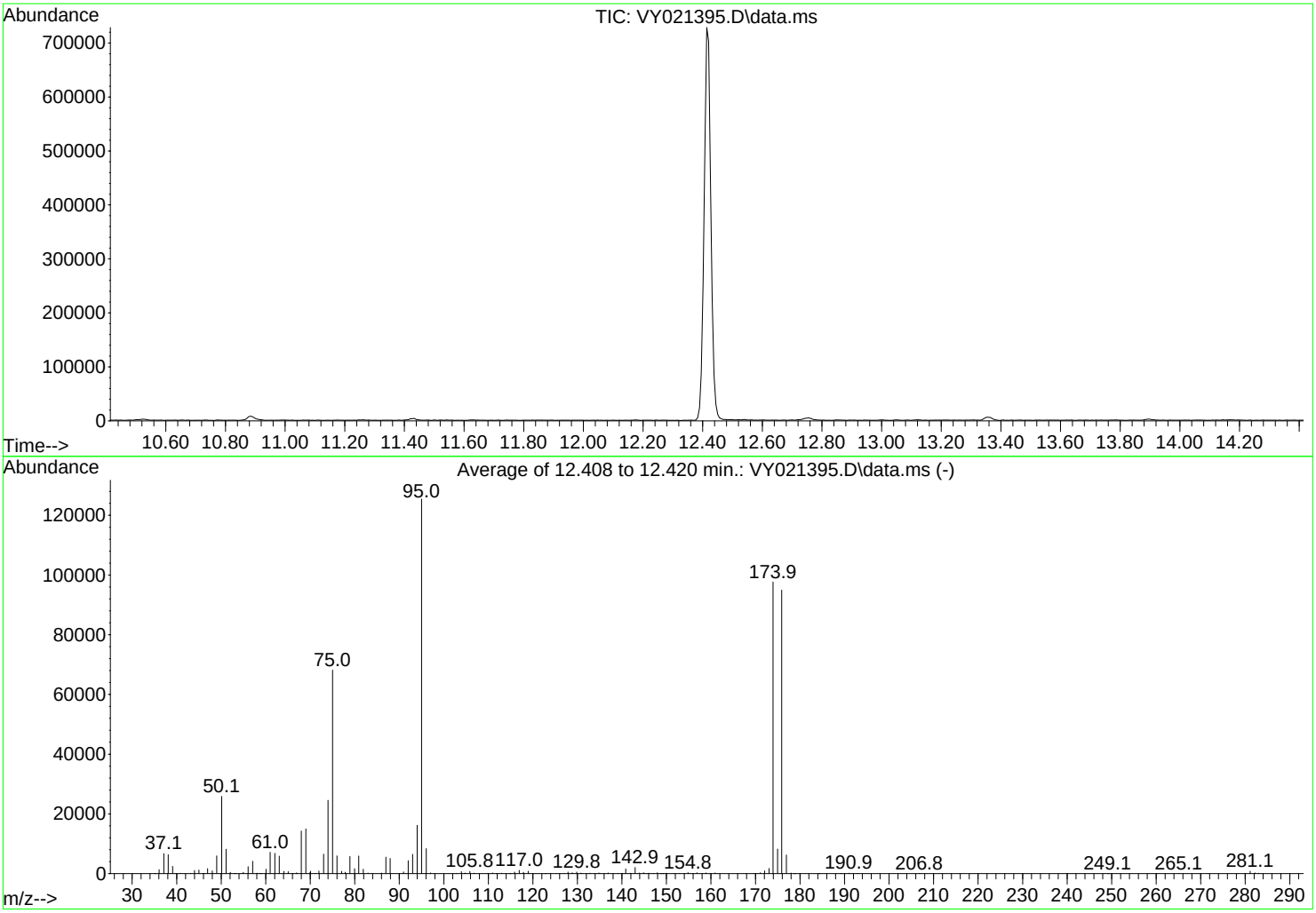
Sample Results: **VY021395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021395.D
Acq On : 04 Mar 2025 08:52
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\82Y030425S.M
Title : SW846 8260
Last Update : Wed Mar 05 12:42:45 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	20.6	25853	PASS
75	95	30	60	54.3	68152	PASS
95	95	100	100	100.0	125459	PASS
96	95	5	9	6.7	8382	PASS
173	174	0.00	2	1.8	1721	PASS
174	95	50	100	77.8	97645	PASS
175	174	5	9	8.4	8226	PASS
176	174	95	101	97.2	94957	PASS
177	176	5	9	6.6	6262	PASS

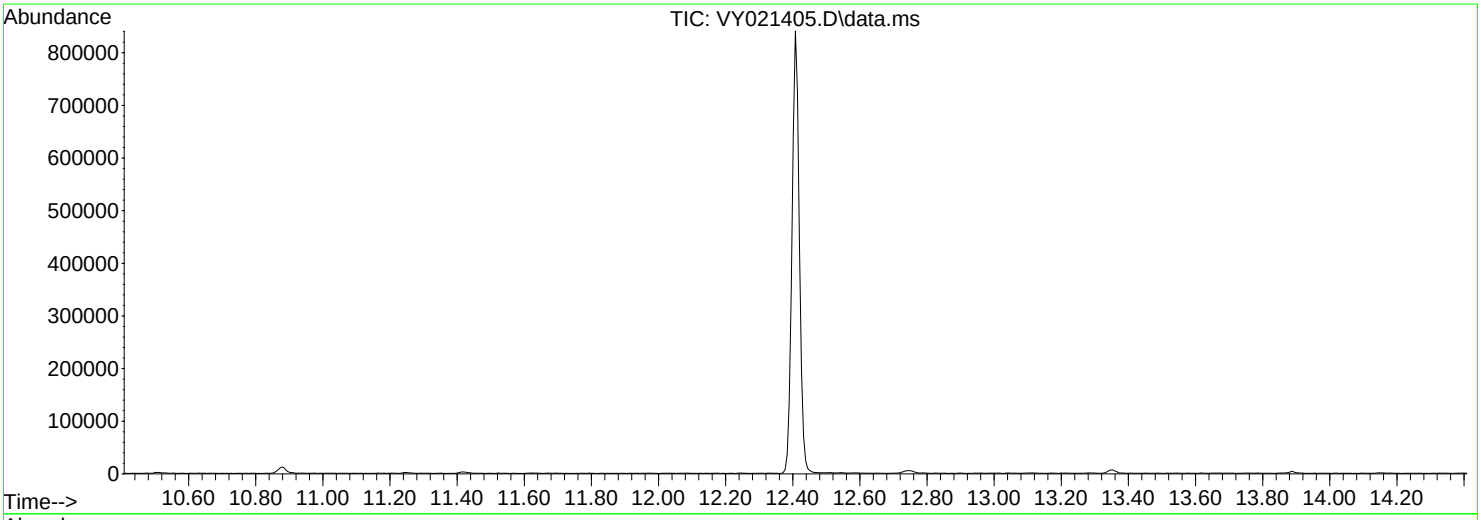
Sample Results: **VY021405.D**

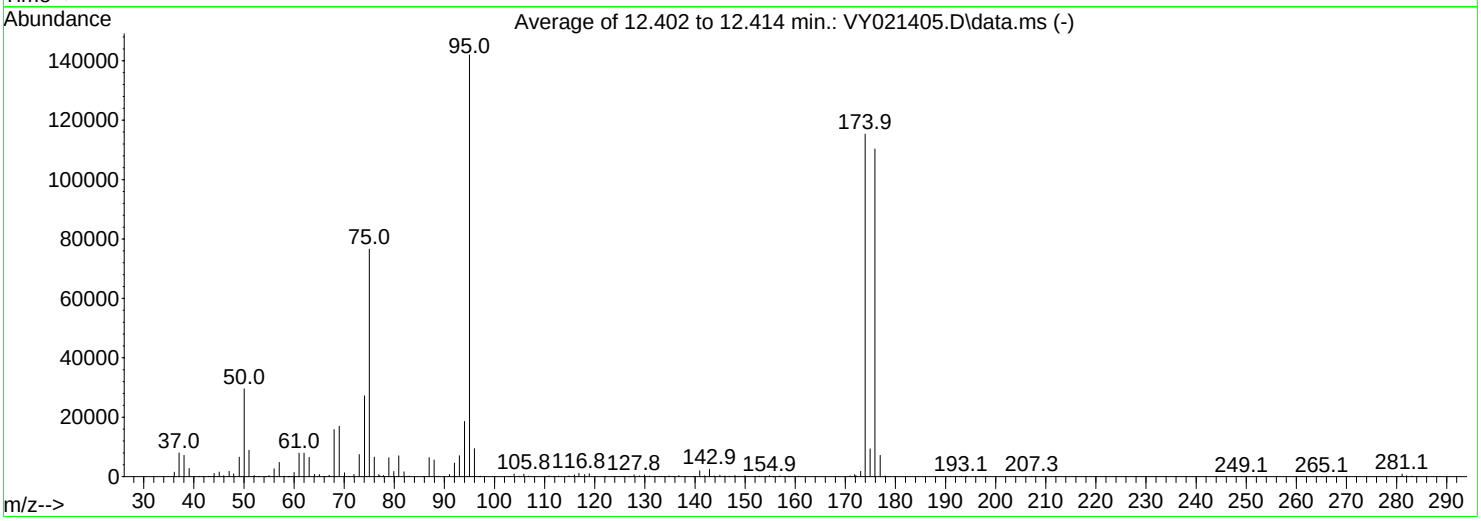
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021405.D
Acq On : 05 Mar 2025 09:41
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Title : SW846 8260
Last Update : Wed Mar 05 12:42:45 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	20.8	29576	PASS
75	95	30	60	53.9	76600	PASS
95	95	100	100	100.0	141997	PASS
96	95	5	9	6.7	9451	PASS
173	174	0.00	2	1.5	1767	PASS
174	95	50	100	81.2	115336	PASS
175	174	5	9	8.1	9391	PASS
176	174	95	101	95.7	110341	PASS
177	176	5	9	6.5	7156	PASS

Raw Data: **VY021407.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBL01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021407.D	1		03/05/25 12:02	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	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	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	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:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBL01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021407.D	1		03/05/25 12:02	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.5		70 (63) - 130 (155)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (74) - 130 (123)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		70 (38) - 130 (136)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223000	7.707			
540-36-3	1,4-Difluorobenzene	374000	8.616			
3114-55-4	Chlorobenzene-d5	318000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.346			

Raw Data: **VY021407.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBL01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021407.D	1		03/05/25 12:02	VY030525

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\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Time: Mar 06 02:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	222723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	373589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	318454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	140807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135276	57.465	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.940%			
35) Dibromofluoromethane	7.634	113	123966	50.482	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.960%			
50) Toluene-d8	10.109	98	448479	48.234	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.460%			
62) 4-Bromofluorobenzene	12.408	95	138502	43.792	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.580%			

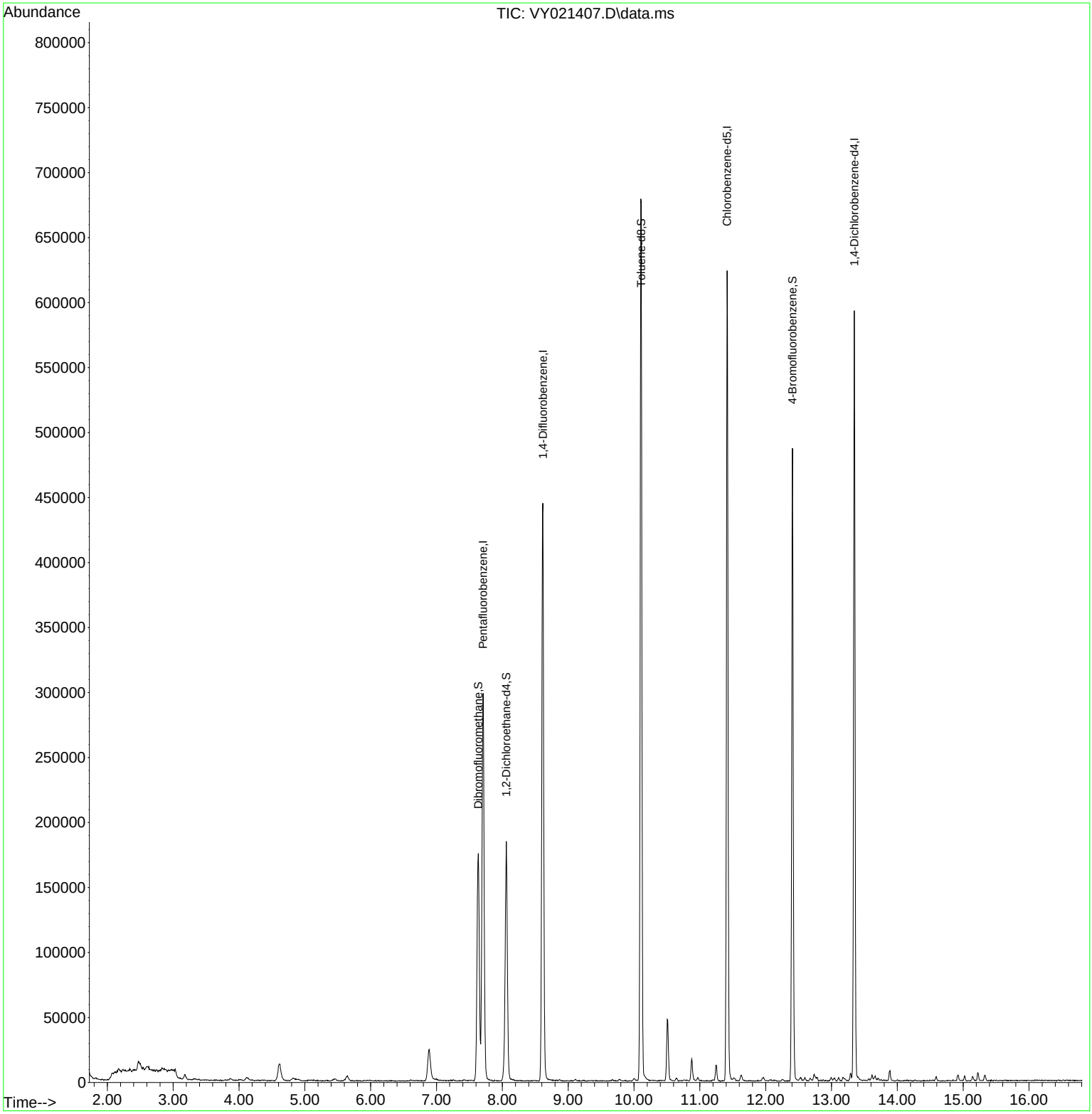
Target Compounds Qvalue

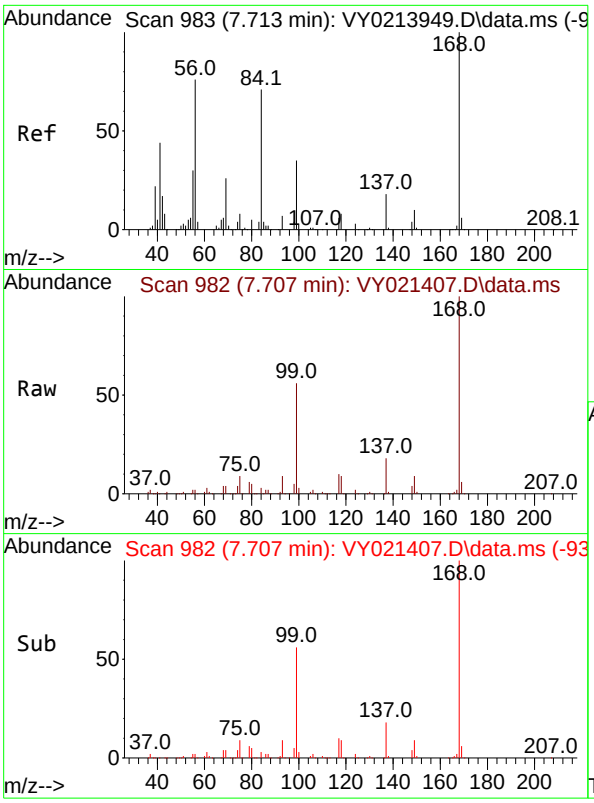
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Time: Mar 06 02:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



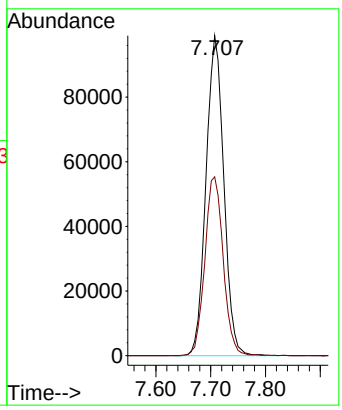


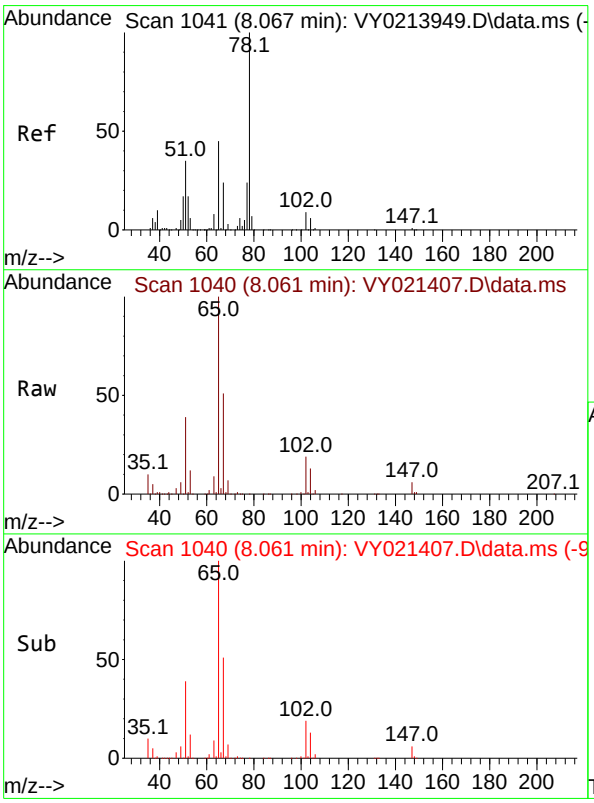
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Tgt Ion:168 Resp: 222723

Ion	Ratio	Lower	Upper
168	100		
99	55.9	46.0	69.0

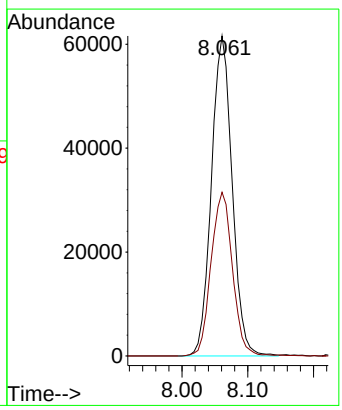


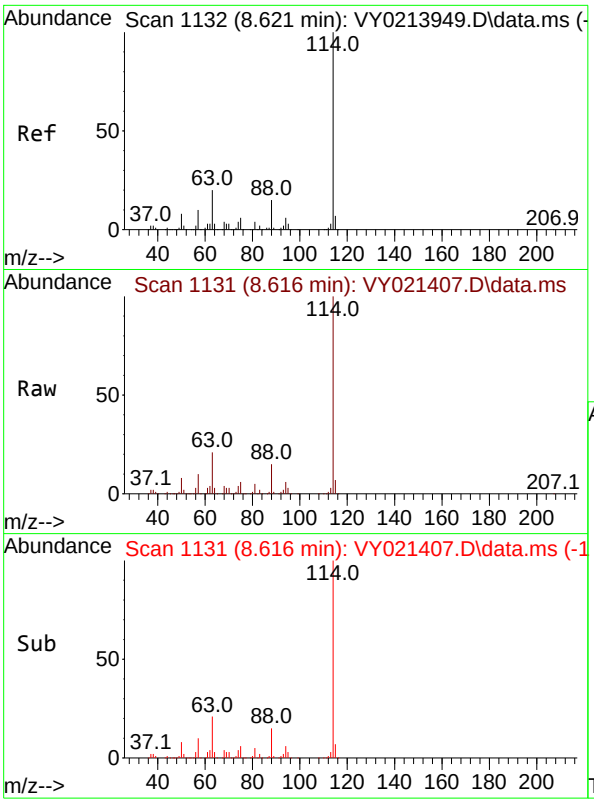


#33
1,2-Dichloroethane-d4
Concen: 57.465 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Tgt Ion: 65 Resp: 135276

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.8



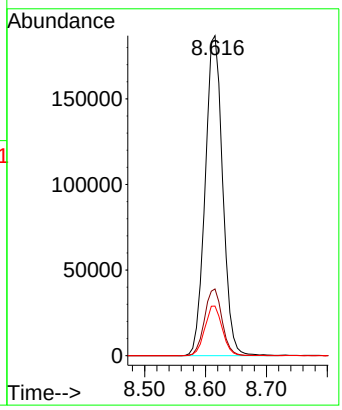


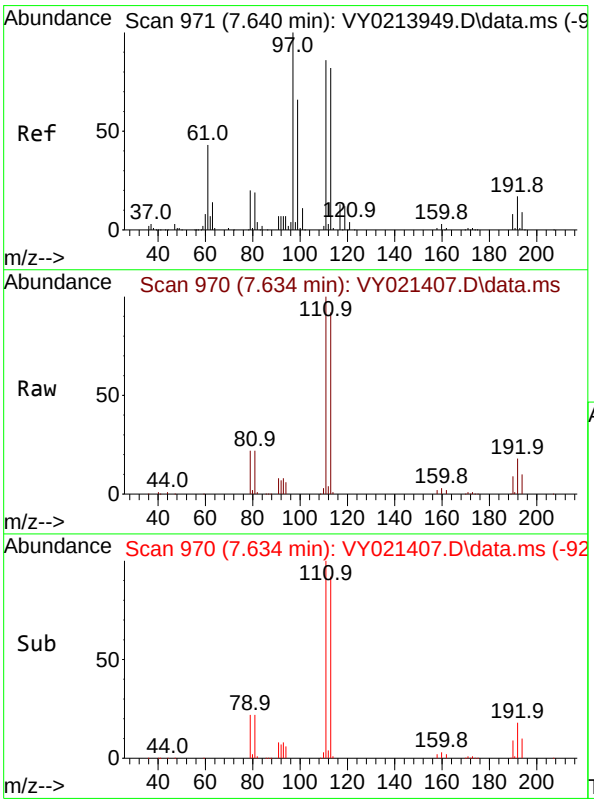
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Tgt Ion:114 Resp: 373589

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.5	0.0	30.8

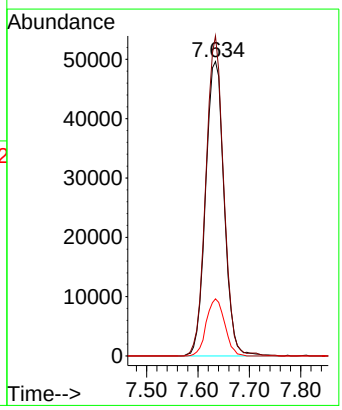


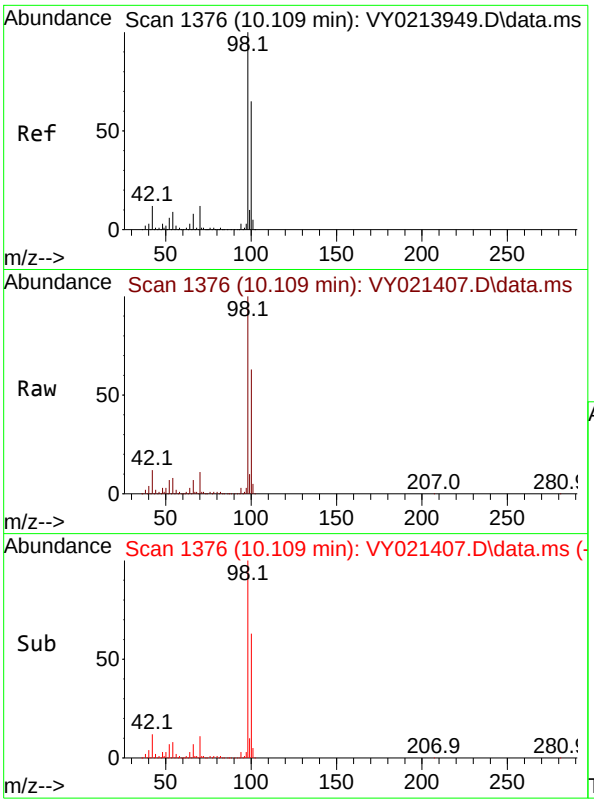


#35
Dibromofluoromethane
Concen: 50.482 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Tgt Ion:113 Resp: 123966

Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.0	123.0
192	19.3	15.9	23.9



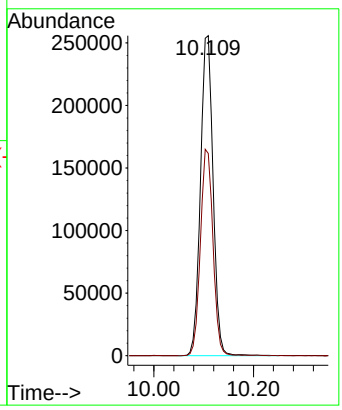


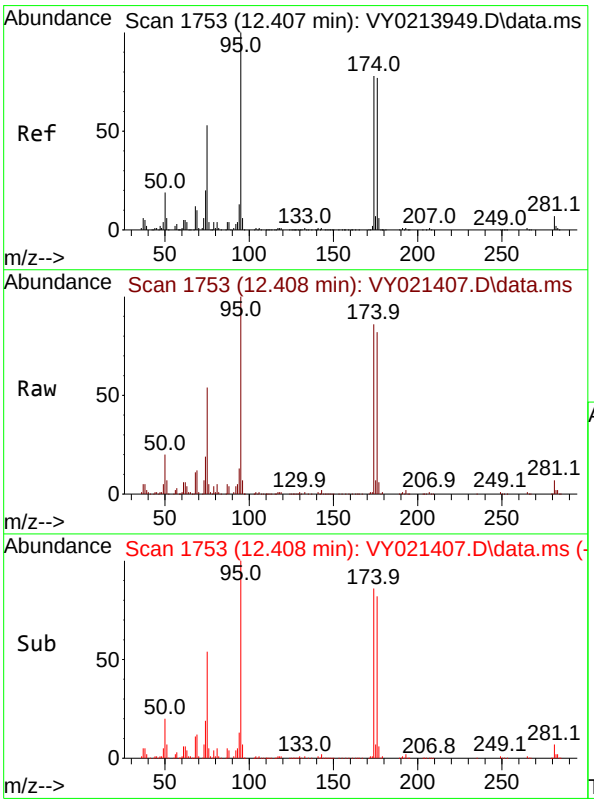
#50
Toluene-d8
Concen: 48.234 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Tgt Ion: 98 Resp: 448479

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

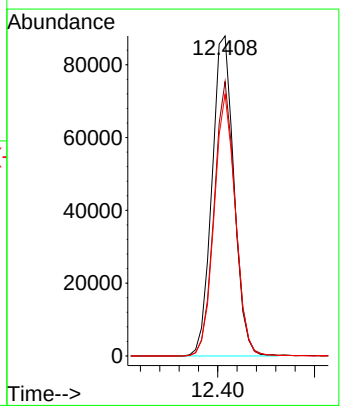


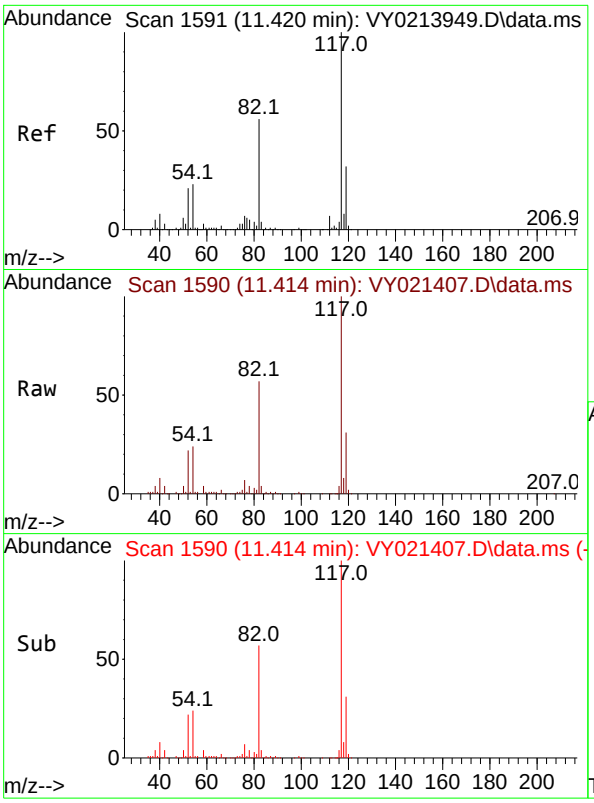


#62
4-Bromofluorobenzene
Concen: 43.792 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Tgt Ion: 95 Resp: 138502

Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	165.0
176	79.2	0.0	160.0



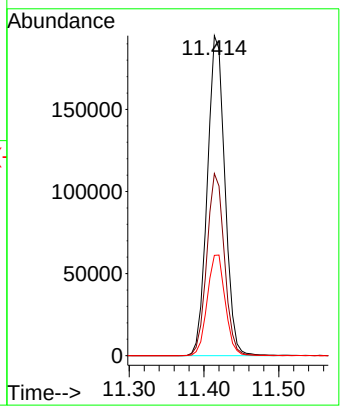


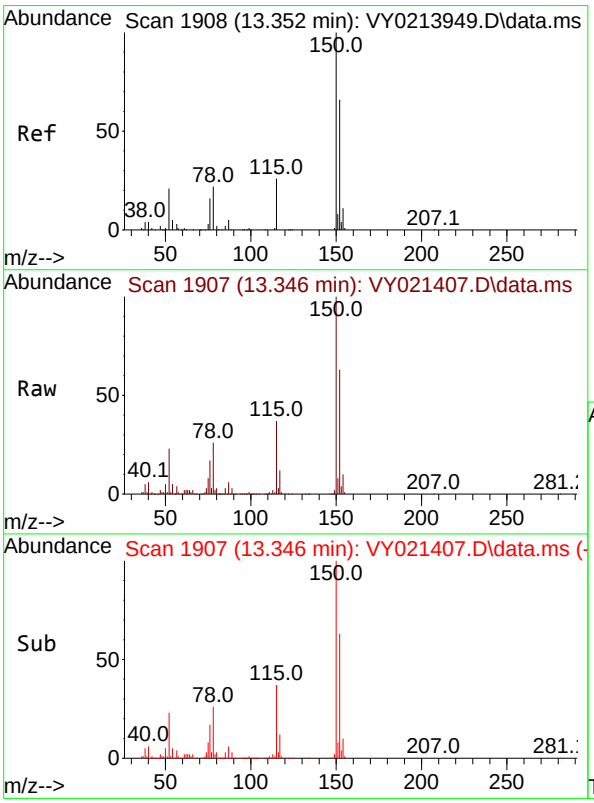
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Tgt Ion:117 Resp: 318454

Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.6	67.0
119	31.3	25.4	38.0

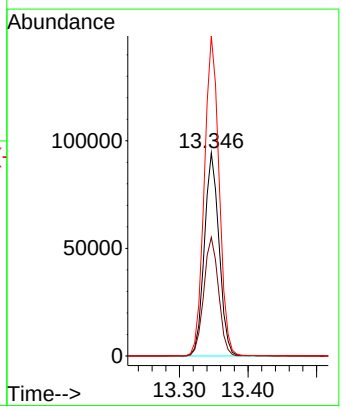




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Tgt Ion:152 Resp: 140807

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.0	87.0
150	158.7	0.0	347.2



Sample Results: **VY021407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

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\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021407.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	464	475	488	rBV3	12901	44203	3.66%	0.669%
2	6.890	835	848	864	rBV	24382	79907	6.62%	1.210%
3	7.634	960	970	976	rBV	174958	430484	35.65%	6.517%
4	7.707	976	982	997	rVB	297626	670420	55.52%	10.149%
5	8.061	1027	1040	1053	rBV2	184307	428502	35.49%	6.487%
6	8.616	1121	1131	1143	rBV	444735	897476	74.33%	13.586%
7	10.103	1367	1375	1396	rVB	678483	1207499	100.00%	18.279%
8	10.505	1435	1441	1457	rVB2	47440	90746	7.52%	1.374%
9	10.877	1495	1502	1512	rBV2	16835	30393	2.52%	0.460%
10	11.249	1558	1563	1570	rVB3	12206	21411	1.77%	0.324%
11	11.414	1582	1590	1602	rBV	623430	1023444	84.76%	15.493%
12	12.408	1746	1753	1768	rBV2	486812	792203	65.61%	11.992%
13	13.346	1900	1907	1915	rVV	590653	889199	73.64%	13.461%

Sum of corrected areas: 6605887

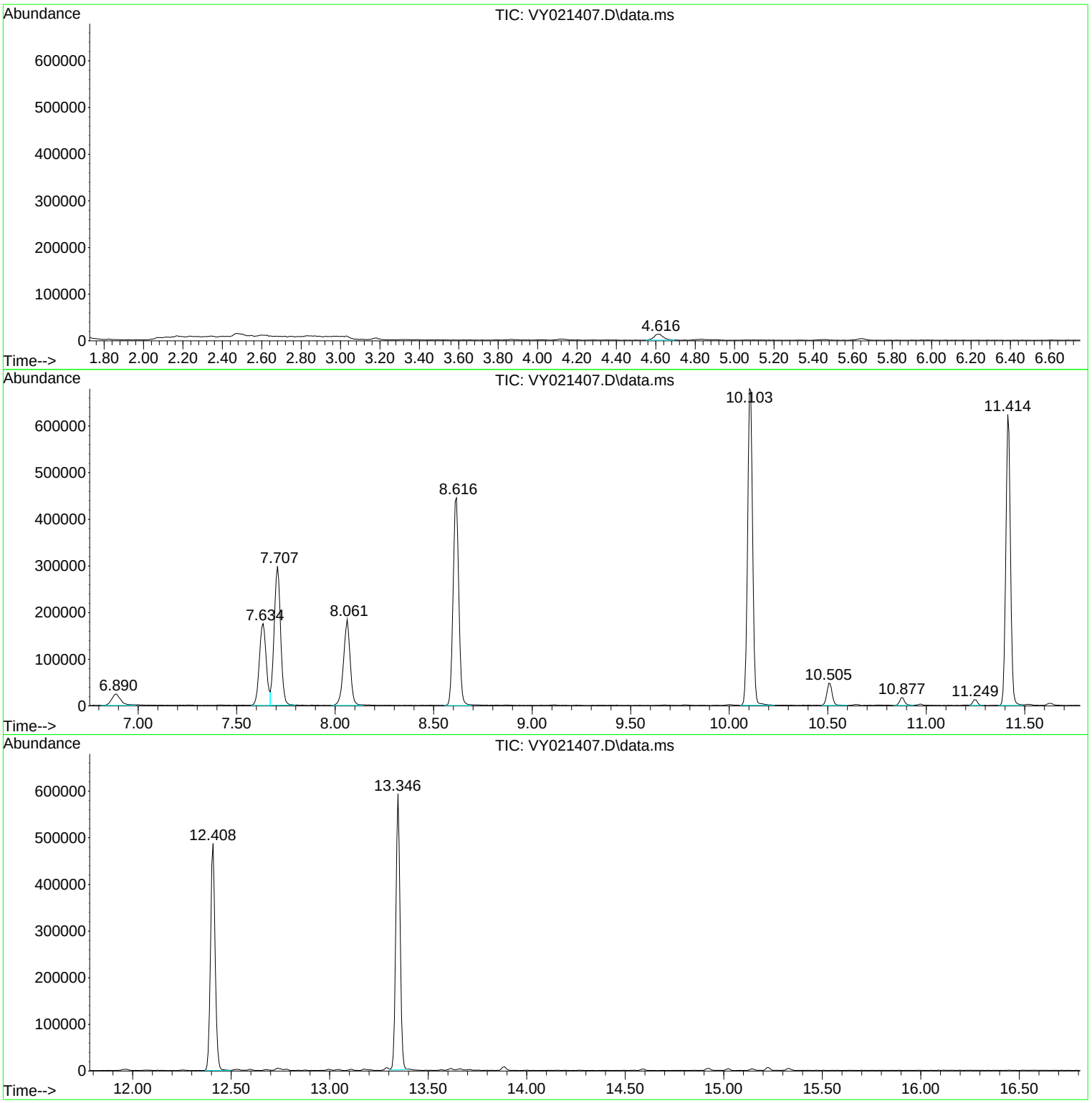
Sample Results: **VY021407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY021407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.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\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.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: **VY021408.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBS01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021408.D	1		03/05/25 13:23	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.0		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.77	5.00	ug/Kg
74-83-9	Bromomethane	22.6		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.9		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.0		0.78	5.00	ug/Kg
67-64-1	Acetone	84.6		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.6		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.2		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.9		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.9		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.2		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.0		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.3		0.69	5.00	ug/Kg
78-93-3	2-Butanone	95.9		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	17.9		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	23.3		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.2		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.4		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.5		0.87	5.00	ug/Kg
71-43-2	Benzene	18.7		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.7		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.4		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.5		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	18.8		0.67	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:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBS01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021408.D	1		03/05/25 13:23	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.1		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.0		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	98.5		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.3		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.7		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.6		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.3		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	17.8		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	36.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.5		0.70	5.00	ug/Kg
100-42-5	Styrene	18.5		0.60	5.00	ug/Kg
75-25-2	Bromoform	19.1		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.9		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.1		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	18.3		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.0		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.1		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.9		70 (63) - 130 (155)	118%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		70 (70) - 130 (134)	109%	SPK: 50
2037-26-5	Toluene-d8	54.1		70 (74) - 130 (123)	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		70 (38) - 130 (136)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	7.707			
540-36-3	1,4-Difluorobenzene	324000	8.615			
3114-55-4	Chlorobenzene-d5	292000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.346			

Raw Data: **VY021408.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBS01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021408.D	1		03/05/25 13:23	VY030525

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\VY030525\
Data File : VY021408.D
Acq On : 05 Mar 2025 13:23
Operator : SY/MD
Sample : VY0305SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 02:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	201041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	324142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	291860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125199	58.920	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.840%			
35) Dibromofluoromethane	7.634	113	116577	54.715	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.420%			
50) Toluene-d8	10.109	98	436802	54.145	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.300%			
62) 4-Bromofluorobenzene	12.408	95	150167	54.723	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	33231	18.013	ug/l	100
3) Chloromethane	2.068	50	51497	19.799	ug/l	99
4) Vinyl Chloride	2.202	62	57247	20.140	ug/l	98
5) Bromomethane	2.586	94	46445	22.608	ug/l	91
6) Chloroethane	2.732	64	39324	20.935	ug/l	100
7) Trichlorofluoromethane	3.056	101	78633	19.820	ug/l	99
8) Diethyl Ether	3.452	74	22874	20.805	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.805	101	43591	19.244	ug/l	98
10) Methyl Iodide	4.000	142	39500	17.155	ug/l	99
11) Tert butyl alcohol	4.860	59	17133	111.532	ug/l	100
12) 1,1-Dichloroethene	3.787	96	39242	19.002	ug/l	98
13) Acrolein	3.653	56	22369	206.968	ug/l	88
14) Allyl chloride	4.385	41	64477	19.320	ug/l	98
15) Acrylonitrile	5.055	53	49253	105.234	ug/l	99
16) Acetone	3.872	43	39199	84.580	ug/l	90
17) Carbon Disulfide	4.104	76	120116	18.559	ug/l	99
18) Methyl Acetate	4.385	43	22479	21.860	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	105913	20.235	ug/l	100
20) Methylene Chloride	4.616	84	50901	20.923	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	44469	19.228	ug/l	96
22) Diisopropyl ether	6.012	45	144821	20.136	ug/l	98
23) Vinyl Acetate	5.957	43	417412	101.692	ug/l	99
24) 1,1-Dichloroethane	5.915	63	84703	19.954	ug/l	97
25) 2-Butanone	6.890	43	61479	95.896	ug/l	98
26) 2,2-Dichloropropane	6.884	77	71921	18.414	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	51210	19.491	ug/l	98
28) Bromochloromethane	7.244	49	41531	23.337	ug/l	100
29) Tetrahydrofuran	7.262	42	41037	103.686	ug/l	99
30) Chloroform	7.414	83	88860	20.159	ug/l	99
31) Cyclohexane	7.701	56	72700	18.268	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	78159	19.366	ug/l	100
36) 1,1-Dichloropropene	7.835	75	60422	18.117	ug/l	99
37) Ethyl Acetate	6.988	43	28618	19.414	ug/l	98
38) Carbon Tetrachloride	7.817	117	68825	17.944	ug/l	97
39) Methylcyclohexane	9.109	83	71472	17.471	ug/l	96
40) Benzene	8.079	78	183943	18.723	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021408.D
Acq On : 05 Mar 2025 13:23
Operator : SY/MD
Sample : VY0305SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 02:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	13154	16.389 ug/l #	80
42) 1,2-Dichloroethane	8.158	62	54126	19.693 ug/l	99
43) Isopropyl Acetate	8.195	43	56825	19.858 ug/l #	87
44) Trichloroethene	8.865	130	45770	18.436 ug/l	94
45) 1,2-Dichloropropane	9.140	63	45562	19.486 ug/l	95
46) Dibromomethane	9.231	93	26801	20.600 ug/l	98
47) Bromodichloromethane	9.420	83	67238	19.461 ug/l	97
48) Methyl methacrylate	9.219	41	24819	18.888 ug/l	96
49) 1,4-Dioxane	9.231	88	5657	442.995 ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	148465	100.554 ug/l	98
52) Toluene	10.170	92	116326	18.781 ug/l	98
53) t-1,3-Dichloropropene	10.396	75	58266	19.141 ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	68500	18.954 ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	34408	20.218 ug/l	97
56) Ethyl methacrylate	10.438	69	42142	19.416 ug/l	99
57) 1,3-Dichloropropane	10.719	76	58515	19.838 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	113664	113.443 ug/l	99
59) 2-Hexanone	10.761	43	96128	98.464 ug/l	98
60) Dibromochloromethane	10.914	129	45075	19.320 ug/l	98
61) 1,2-Dibromoethane	11.018	107	31570	19.655 ug/l	98
64) Tetrachloroethene	10.646	164	44038	18.556 ug/l	98
65) Chlorobenzene	11.444	112	126311	18.327 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	45239	18.566 ug/l	99
67) Ethyl Benzene	11.517	91	214834	17.759 ug/l	99
68) m/p-Xylenes	11.627	106	165974	36.139 ug/l	97
69) o-Xylene	11.956	106	78391	18.520 ug/l	98
70) Styrene	11.969	104	129901	18.499 ug/l	99
71) Bromoform	12.133	173	26059	19.131 ug/l #	98
73) Isopropylbenzene	12.255	105	204580	17.228 ug/l	100
74) N-amyl acetate	12.072	43	46083	17.869 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40368	19.264 ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	30667m	20.188 ug/l	
77) Bromobenzene	12.536	156	50134	18.046 ug/l	99
78) n-propylbenzene	12.596	91	252857	17.533 ug/l	100
79) 2-Chlorotoluene	12.682	91	147554	17.893 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	170075	17.624 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11885	17.786 ug/l	99
82) 4-Chlorotoluene	12.779	91	153571	17.984 ug/l	100
83) tert-Butylbenzene	12.999	119	150690	17.504 ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	172723	18.026 ug/l	99
85) sec-Butylbenzene	13.176	105	222289	17.354 ug/l	100
86) p-Isopropyltoluene	13.291	119	186571	17.680 ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	98953	17.894 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	97999	18.120 ug/l	99
89) n-Butylbenzene	13.621	91	171289	17.578 ug/l	99
90) Hexachloroethane	13.883	117	38963	17.307 ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	86839	18.321 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6117	19.487 ug/l	93
93) 1,2,4-Trichlorobenzene	14.925	180	46609	18.004 ug/l	100
94) Hexachlorobutadiene	15.029	225	29484	18.168 ug/l	99
95) Naphthalene	15.145	128	72844	18.669 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	39473	18.129 ug/l	99

Sample Results: **VY021408.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021408.D
Acq On : 05 Mar 2025 13:23
Operator : SY/MD
Sample : VY0305SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 02:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Manual Integrations APPROVED

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

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

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

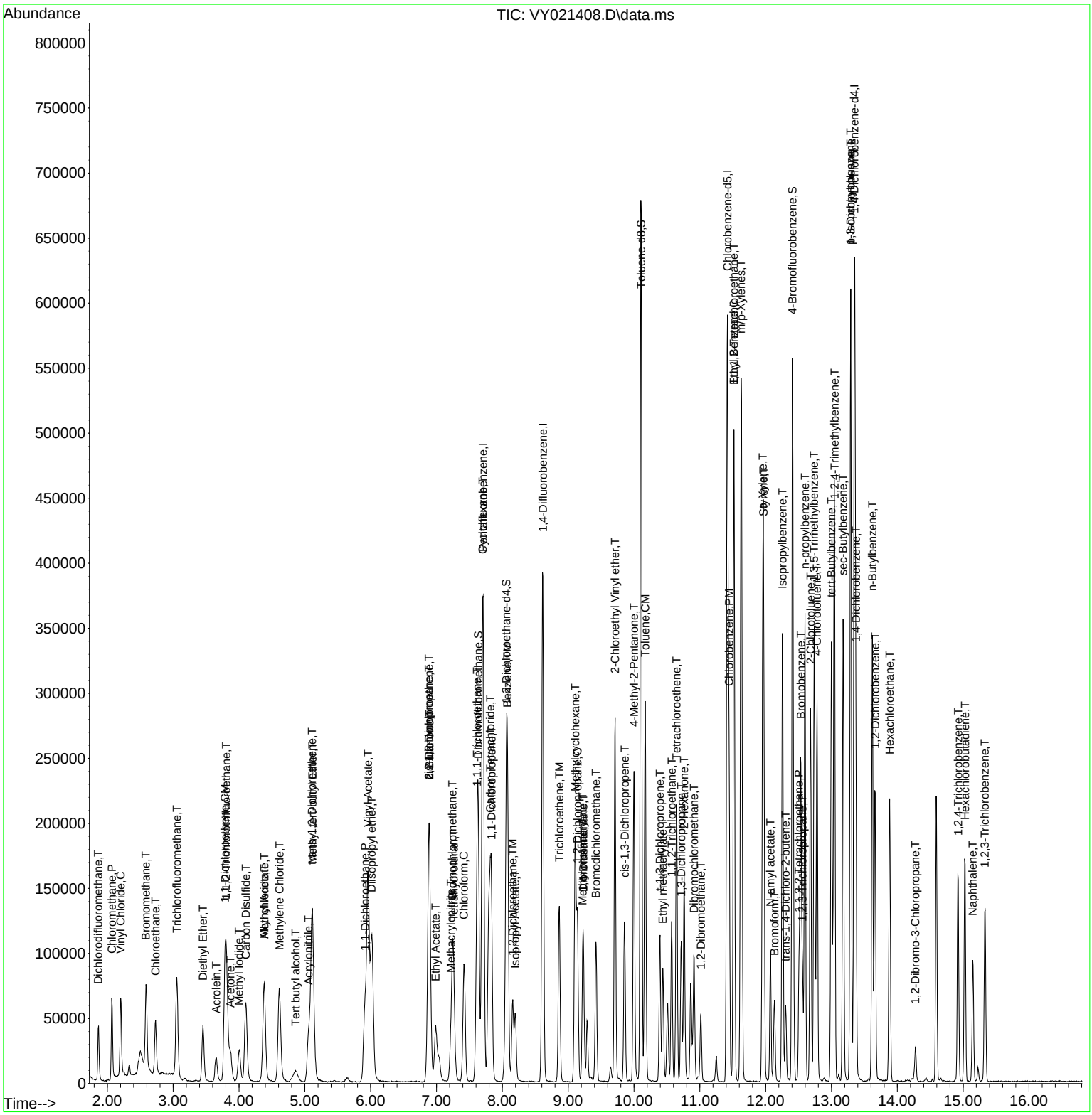
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021408.D
Acq On : 05 Mar 2025 13:23
Operator : SY/MD
Sample : VY0305SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 02:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Manual Integrations APPROVED

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



Raw Data: **VY021409.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBSD01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021409.D	1		03/05/25 13:45	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.1		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.7		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.2		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.5		0.78	5.00	ug/Kg
67-64-1	Acetone	81.0		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.3		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.0		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.4		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.3		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.1		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.4		0.69	5.00	ug/Kg
78-93-3	2-Butanone	90.3		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	17.7		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		2.40	5.00	ug/Kg
67-66-3	Chloroform	19.0		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	18.2		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	16.9		0.87	5.00	ug/Kg
71-43-2	Benzene	18.5		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.2		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	17.9		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	18.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	18.4		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.6		4.40	25.0	ug/Kg
108-88-3	Toluene	18.2		0.67	5.00	ug/Kg

Raw Data: **VY021409.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBSD01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021409.D	1		03/05/25 13:45	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	18.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.2		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	94.7		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	18.5		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.1		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	17.9		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	17.5		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	35.3		1.40	10.0	ug/Kg
95-47-6	o-Xylene	17.6		0.70	5.00	ug/Kg
100-42-5	Styrene	18.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.5		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.5		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.6		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	17.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	17.8		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.6		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.7		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	52.5		70 (74) - 130 (123)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		70 (38) - 130 (136)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	7.707			
540-36-3	1,4-Difluorobenzene	351000	8.616			
3114-55-4	Chlorobenzene-d5	311000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.346			

Raw Data: **VY021409.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBSD01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY021409.D	1		03/05/25 13:45	VY030525

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\VY030525\
Data File : VY021409.D
Acq On : 05 Mar 2025 13:45
Operator : SY/MD
Sample : VY0305SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Manual Integrations APPROVED

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

Quant Time: Mar 06 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	157165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	128248	55.249	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.500%			
35) Dibromofluoromethane	7.634	113	120748	52.408	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.820%			
50) Toluene-d8	10.103	98	458096	52.512	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.020%			
62) 4-Bromofluorobenzene	12.408	95	155017	52.239	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	36464	18.093	ug/l	100
3) Chloromethane	2.068	50	55939	19.687	ug/l	98
4) Vinyl Chloride	2.202	62	62394	20.094	ug/l	98
5) Bromomethane	2.586	94	44573	19.861	ug/l	95
6) Chloroethane	2.732	64	41393	20.172	ug/l	95
7) Trichlorofluoromethane	3.056	101	81310	18.761	ug/l	100
8) Diethyl Ether	3.458	74	23250	19.357	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	44849	18.125	ug/l	99
10) Methyl Iodide	4.007	142	44233	17.585	ug/l	98
11) Tert butyl alcohol	4.854	59	18872	112.664	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	41641	18.458	ug/l	97
13) Acrolein	3.653	56	21168	179.285	ug/l	86
14) Allyl chloride	4.379	41	67344	18.472	ug/l	99
15) Acrylonitrile	5.055	53	50655	99.073	ug/l	99
16) Acetone	3.873	43	41021	81.023	ug/l	90
17) Carbon Disulfide	4.098	76	129057	18.254	ug/l	100
18) Methyl Acetate	4.385	43	22955	20.434	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	108627	18.997	ug/l	97
20) Methylene Chloride	4.616	84	51510	19.382	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	46204	18.288	ug/l	96
22) Diisopropyl ether	6.018	45	151452	19.276	ug/l	95
23) Vinyl Acetate	5.957	43	428924	95.655	ug/l	100
24) 1,1-Dichloroethane	5.915	63	88705	19.129	ug/l	98
25) 2-Butanone	6.896	43	63208	90.252	ug/l	100
26) 2,2-Dichloropropane	6.878	77	74290	17.411	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	53000	18.466	ug/l	99
28) Bromochloromethane	7.244	49	39492	20.314	ug/l	99
29) Tetrahydrofuran	7.262	42	42647	98.637	ug/l	99
30) Chloroform	7.421	83	91256	18.951	ug/l	97
31) Cyclohexane	7.701	56	75774	17.430	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	80271	18.206	ug/l	99
36) 1,1-Dichloropropene	7.829	75	64551	17.898	ug/l	99
37) Ethyl Acetate	6.982	43	28849	18.098	ug/l	98
38) Carbon Tetrachloride	7.817	117	73590	17.742	ug/l	95
39) Methylcyclohexane	9.109	83	74570	16.857	ug/l	98
40) Benzene	8.079	78	196219	18.469	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021409.D
Acq On : 05 Mar 2025 13:45
Operator : SY/MD
Sample : VY0305SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	15389m	17.730	ug/l		
42) 1,2-Dichloroethane	8.152	62	57208	19.248	ug/l		99
43) Isopropyl Acetate	8.195	43	56545	18.273	ug/l	#	85
44) Trichloroethene	8.859	130	48014	17.885	ug/l		93
45) 1,2-Dichloropropane	9.140	63	46681	18.462	ug/l		94
46) Dibromomethane	9.231	93	26764	19.024	ug/l		98
47) Bromodichloromethane	9.420	83	68827	18.421	ug/l		100
48) Methyl methacrylate	9.219	41	25720	18.101	ug/l		100
49) 1,4-Dioxane	9.225	88	5971	432.398	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	152608	95.582	ug/l		100
52) Toluene	10.170	92	121847	18.192	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	61521	18.690	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	71042	18.178	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	35259	19.159	ug/l		99
56) Ethyl methacrylate	10.438	69	42706	18.195	ug/l		99
57) 1,3-Dichloropropane	10.719	76	59707	18.719	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	111962	103.336	ug/l		100
59) 2-Hexanone	10.762	43	99995	94.717	ug/l		96
60) Dibromochloromethane	10.908	129	46676	18.500	ug/l		100
61) 1,2-Dibromoethane	11.018	107	32873	18.926	ug/l		100
64) Tetrachloroethene	10.646	164	45794	18.096	ug/l		96
65) Chlorobenzene	11.438	112	131833	17.939	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.511	131	47843	18.413	ug/l		98
67) Ethyl Benzene	11.517	91	225293	17.466	ug/l		100
68) m/p-Xylenes	11.627	106	172873	35.300	ug/l		99
69) o-Xylene	11.950	106	79329	17.576	ug/l		99
70) Styrene	11.969	104	136324	18.207	ug/l		99
71) Bromoform	12.133	173	26835	18.475	ug/l	#	98
73) Isopropylbenzene	12.255	105	212772	17.186	ug/l		100
74) N-amyl acetate	12.072	43	48593	18.073	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	40337	18.463	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	29137m	18.398	ug/l		
77) Bromobenzene	12.529	156	51103	17.644	ug/l		100
78) n-propylbenzene	12.597	91	260508	17.326	ug/l		100
79) 2-Chlorotoluene	12.682	91	151725	17.648	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	175683	17.462	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11980	17.196	ug/l		97
82) 4-Chlorotoluene	12.779	91	156301	17.557	ug/l		100
83) tert-Butylbenzene	12.999	119	156396	17.425	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	176990	17.718	ug/l		100
85) sec-Butylbenzene	13.176	105	227920	17.068	ug/l		99
86) p-Isopropyltoluene	13.292	119	190282	17.296	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	101377	17.584	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	98520	17.473	ug/l		98
89) n-Butylbenzene	13.621	91	172740	17.004	ug/l		100
90) Hexachloroethane	13.877	117	41250	17.576	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	87726	17.753	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6358	19.428	ug/l		92
93) 1,2,4-Trichlorobenzene	14.919	180	47398	17.561	ug/l		99
94) Hexachlorobutadiene	15.023	225	30076	17.777	ug/l		98
95) Naphthalene	15.145	128	76650	18.823	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	40264	17.737	ug/l		99

Sample Results: **VY021409.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021409.D
Acq On : 05 Mar 2025 13:45
Operator : SY/MD
Sample : VY0305SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Manual Integrations APPROVED

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

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

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

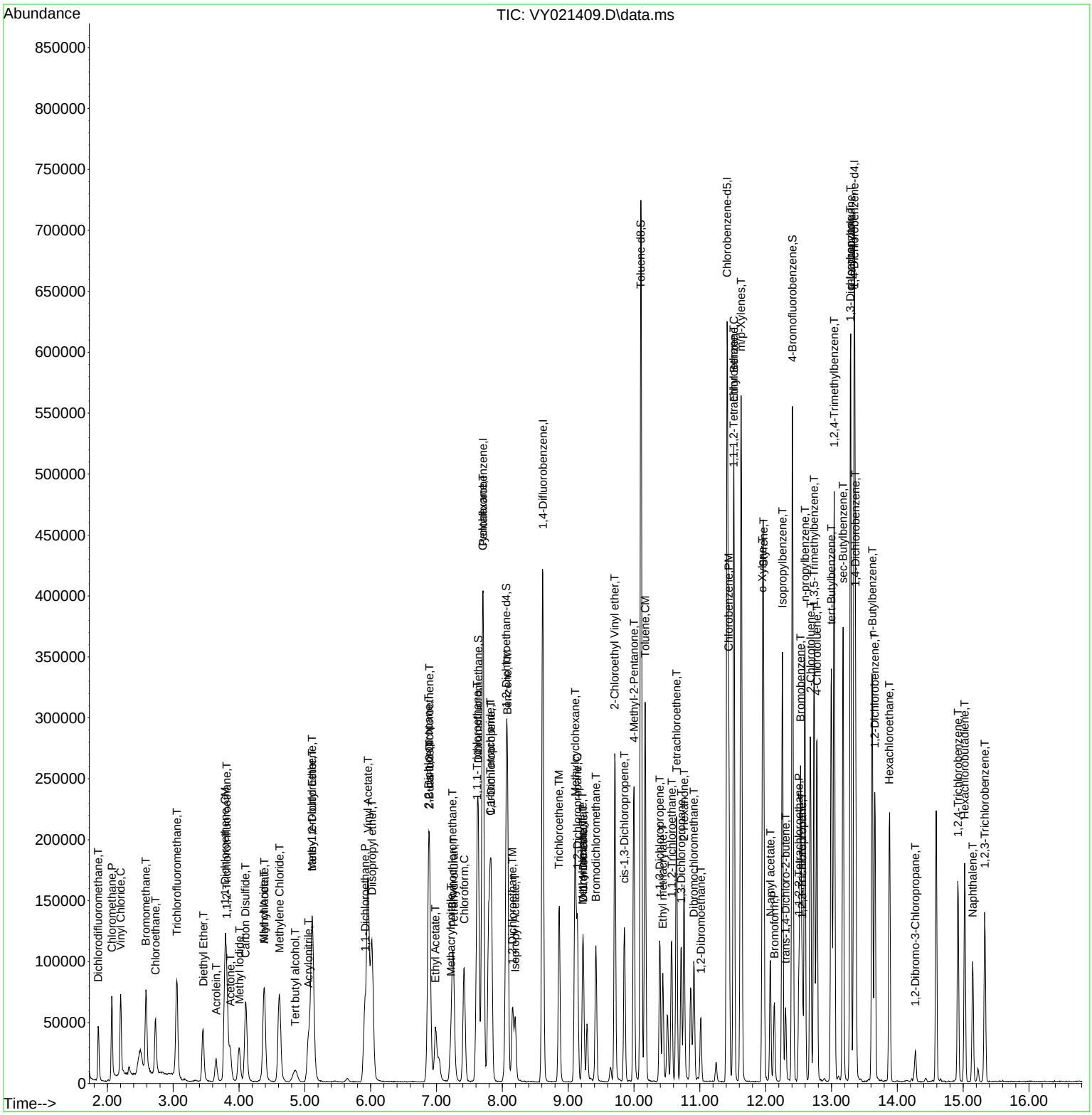
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021409.D
Acq On : 05 Mar 2025 13:45
Operator : SY/MD
Sample : VY0305SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Manual Integrations APPROVED

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



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

Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC010	VY021397.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Tert butyl alcohol	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICCC050	VY021399.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:35 PM	SAM	3/6/2025 3:00:06 PM	Peak Integrated by Software
VSTDICC100	VY021400.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:49 PM	SAM	3/6/2025 3:00:09 PM	Peak Integrated by Software
VSTDICC150	VY021401.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:42 PM	SAM	3/6/2025 3:00:14 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

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

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

Manual Integration Report

Sequence:	vy030525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021406.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:59:01 PM	SAM	3/6/2025 3:01:03 PM	Peak Integrated by Software
VY0305SBS01	VY021408.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:58:58 PM	SAM	3/6/2025 3:01:04 PM	Peak Integrated by Software
VY0305SBS01	VY021408.D	Methacrylonitrile	MMDadoda	3/6/2025 2:58:58 PM	SAM	3/6/2025 3:01:04 PM	Peak Integrated by Software
VY0305SBSD01	VY021409.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:58:59 PM	SAM	3/6/2025 3:01:05 PM	Peak Integrated by Software
VY0305SBSD01	VY021409.D	Methacrylonitrile	MMDadoda	3/6/2025 2:58:59 PM	SAM	3/6/2025 3:01:05 PM	Peak Integrated by Software
VSTDCCC050	VY021424.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:59:00 PM	SAM	3/6/2025 3:01:11 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM				
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021395.D	04 Mar 2025 08:52	SY/MD	Ok
2	VSTDICC005	VY021396.D	04 Mar 2025 09:23	SY/MD	Not Ok
3	VSTDICC010	VY021397.D	04 Mar 2025 09:46	SY/MD	Ok,M
4	VSTDICC020	VY021398.D	04 Mar 2025 10:09	SY/MD	Ok,M
5	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	SY/MD	Ok,M
6	VSTDICC100	VY021400.D	04 Mar 2025 11:06	SY/MD	Ok,M
7	VSTDICC150	VY021401.D	04 Mar 2025 11:29	SY/MD	Ok,M
8	VIBLK	VY021402.D	04 Mar 2025 11:52	SY/MD	Ok
9	VSTDICC005	VY021403.D	04 Mar 2025 12:15	SY/MD	Ok,M
10	VSTDICV050	VY021404.D	04 Mar 2025 13:12	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030525

Review By	Mahesh Dadoda	Review On	3/6/2025 2:57:13 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/6/2025 3:01:17 PM				
SubDirectory	VY030525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133220
Initial Calibration Stds	
CCC	VP133221,VP133222
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021405.D	05 Mar 2025 09:41	SY/MD	Ok
2	VSTDCCC050	VY021406.D	05 Mar 2025 11:39	SY/MD	Ok,M
3	VY0305SBL01	VY021407.D	05 Mar 2025 12:02	SY/MD	Ok
4	VY0305SBS01	VY021408.D	05 Mar 2025 13:23	SY/MD	Ok,M
5	VY0305SBSD01	VY021409.D	05 Mar 2025 13:45	SY/MD	Ok,M
6	Q1475-01	VY021410.D	05 Mar 2025 14:11	SY/MD	Not Ok
7	Q1474-02	VY021411.D	05 Mar 2025 14:34	SY/MD	Ok
8	Q1447-01	VY021412.D	05 Mar 2025 14:58	SY/MD	Ok
9	Q1480-01	VY021413.D	05 Mar 2025 15:21	SY/MD	Ok,M
10	Q1480-09	VY021414.D	05 Mar 2025 15:45	SY/MD	Ok
11	Q1480-25	VY021415.D	05 Mar 2025 16:08	SY/MD	Ok
12	Q1481-01	VY021416.D	05 Mar 2025 16:31	SY/MD	Ok
13	Q1482-01	VY021417.D	05 Mar 2025 16:55	SY/MD	Ok,M
14	Q1475-01	VY021418.D	05 Mar 2025 17:18	SY/MD	Ok
15	Q1489-01	VY021419.D	05 Mar 2025 17:42	SY/MD	Ok
16	Q1489-05	VY021420.D	05 Mar 2025 18:05	SY/MD	Not Ok
17	Q1489-09	VY021421.D	05 Mar 2025 18:29	SY/MD	Ok,M
18	Q1489-13	VY021422.D	05 Mar 2025 18:52	SY/MD	Ok
19	Q1484-02	VY021423.D	05 Mar 2025 19:16	SY/MD	Ok
20	VSTDCCC050	VY021424.D	05 Mar 2025 19:38	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM		
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021395.D	04 Mar 2025 08:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021396.D	04 Mar 2025 09:23	not used	SY/MD	Not Ok
3	VSTDICC010	VSTDICC010	VY021397.D	04 Mar 2025 09:46		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021398.D	04 Mar 2025 10:09	Comp.#11 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	Comp.#95 is on Quadratic Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021400.D	04 Mar 2025 11:06		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021401.D	04 Mar 2025 11:29	Method fail for comp.#13	SY/MD	Ok,M
8	VIBLK	VIBLK	VY021402.D	04 Mar 2025 11:52		SY/MD	Ok
9	VSTDICC005	VSTDICC005	VY021403.D	04 Mar 2025 12:15		SY/MD	Ok,M
10	VSTDICV050	ICVVY030425	VY021404.D	04 Mar 2025 13:12		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030525

Review By	Mahesh Dadoda	Review On	3/6/2025 2:57:13 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/6/2025 3:01:17 PM		
SubDirectory	VY030525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133220
Initial Calibration Stds	
CCC	VP133221,VP133222
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021405.D	05 Mar 2025 09:41		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021406.D	05 Mar 2025 11:39		SY/MD	Ok,M
3	VY0305SBL01	VY0305SBL01	VY021407.D	05 Mar 2025 12:02		SY/MD	Ok
4	VY0305SBS01	VY0305SBS01	VY021408.D	05 Mar 2025 13:23		SY/MD	Ok,M
5	VY0305SBSD01	VY0305SBSD01	VY021409.D	05 Mar 2025 13:45		SY/MD	Ok,M
6	Q1475-01	TR-04-02282025	VY021410.D	05 Mar 2025 14:11	Vial-A Not purged	SY/MD	Not Ok
7	Q1474-02	BU-03-02282025	VY021411.D	05 Mar 2025 14:34	Vial-A	SY/MD	Ok
8	Q1447-01	WC1	VY021412.D	05 Mar 2025 14:58	Vial-A	SY/MD	Ok
9	Q1480-01	TP-1	VY021413.D	05 Mar 2025 15:21	Vial-A ISTD Fail	SY/MD	Ok,M
10	Q1480-09	TP-2	VY021414.D	05 Mar 2025 15:45	Vial-A ISTD Fail	SY/MD	Ok
11	Q1480-25	TP-4	VY021415.D	05 Mar 2025 16:08	Vial-A ISTD Fail	SY/MD	Ok
12	Q1481-01	WC-K1311	VY021416.D	05 Mar 2025 16:31	Vial-A	SY/MD	Ok
13	Q1482-01	OR-03-030425	VY021417.D	05 Mar 2025 16:55	Vial-A	SY/MD	Ok,M
14	Q1475-01	TR-04-02282025	VY021418.D	05 Mar 2025 17:18	vial-B	SY/MD	Ok
15	Q1489-01	TP-1	VY021419.D	05 Mar 2025 17:42	Vial-A Internal standard fail	SY/MD	Ok
16	Q1489-05	TP-2	VY021420.D	05 Mar 2025 18:05	Vial-A Not purge	SY/MD	Not Ok
17	Q1489-09	TP-3	VY021421.D	05 Mar 2025 18:29	Vial-A	SY/MD	Ok,M
18	Q1489-13	TP-4	VY021422.D	05 Mar 2025 18:52	Vial-A	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030525

Review By	Mahesh Dadoda	Review On	3/6/2025 2:57:13 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/6/2025 3:01:17 PM		
SubDirectory	VY030525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133220
Initial Calibration Stds	
CCC	VP133221,VP133222
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1484-02	TR-OTR-VOC-01	VY021423.D	05 Mar 2025 19:16	Vial-A	SY/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VY021424.D	05 Mar 2025 19:38		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/27/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 02/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 02/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134817

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
Q1440-01	OR-02-022625	5	1.15	8.81	9.96	9.06	89.8	
Q1440-02	OR-02-022625-E2	6	1.12	8.87	9.99	9.03	89.2	
Q1441-01	HD-02-022625	7	1.18	8.44	9.62	8.61	88.0	
Q1441-02	HD-02-022625-E2	8	1.15	8.82	9.97	8.76	86.3	
Q1442-01	280	1	1.00	1.00	2.00	2.00	100.0	debris
Q1442-02	281	2	1.15	8.50	9.65	9.00	92.4	
Q1442-03	351	3	1.15	8.81	9.96	8.86	87.5	
Q1442-04	351-E2	4	1.13	8.55	9.68	8.58	87.1	
Q1443-01	3733	9	1.15	0.85	2.00	2.00	100.0	debris
Q1444-01	HIH5032-1-1	10	1.00	1.00	2.00	2.00	100.0	pilc
Q1444-02	HIH5032-1-2	11	1.00	1.00	2.00	2.00	100.0	pilc
Q1445-01	FDH119M-1-1	12	1.00	1.00	2.00	2.00	100.0	pilc
Q1445-02	FDH119M-1-2	13	1.00	1.00	2.00	2.00	100.0	pilc
Q1445-03	FDH119M-2-1	14	1.00	1.00	2.00	2.00	100.0	pilc
Q1445-04	FDH119M-2-2	15	1.00	1.00	2.00	2.00	100.0	pilc
Q1445-05	BC274767-1-1	16	1.00	1.00	2.00	2.00	100.0	pilc
Q1445-06	BC274767-1-2	17	1.00	1.00	2.00	2.00	100.0	pilc
Q1445-07	029015-1-1	18	1.00	1.00	2.00	2.00	100.0	pilc
Q1445-08	029015-1-2	19	1.00	1.00	2.00	2.00	100.0	pilc
Q1447-01	WC1	20	1.16	8.60	9.76	9.11	92.4	
Q1448-01	PSP1	21	1.15	8.50	9.65	8.73	89.2	
Q1448-02	P1	22	1.17	8.42	9.59	8.69	89.3	
Q1448-03	P2	23	1.16	8.53	9.69	8.84	90.0	
Q1448-04	P3	24	1.15	8.79	9.94	8.78	86.8	
Q1448-05	P4	25	1.12	8.75	9.87	8.82	88.0	

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

WORKLIST(Hardcopy Internal Chain)

UB134817

WorkList Name : %1-022625 **WorkList ID :** 187879 **Department :** Wet-Chemistry **Date :** 02-26-2025 07:54:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1440-01	OR-02-022625	Solid	Percent Solids	Cool 4 deg C	PSEG05	H41	02/26/2025	Chemtech -SO
Q1440-02	OR-02-022625-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H41	02/26/2025	Chemtech -SO
Q1441-01	HD-02-022625	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/26/2025	Chemtech -SO
Q1441-02	HD-02-022625-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/26/2025	Chemtech -SO
Q1442-01	280	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1442-02	281	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1442-03	351	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	02/26/2025	Chemtech -SO
Q1442-04	351-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	02/26/2025	Chemtech -SO
Q1443-01	3733	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1444-01	HIH5032-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1444-02	HIH5032-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-01	FDH119M-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-02	FDH119M-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-03	FDH119M-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-04	FDH119M-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-05	BC274767-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-06	BC274767-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-07	029015-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-08	029015-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1447-01	WC1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1448-01	PSP1	Solid	Percent Solids	Cool 4 deg C	GENV01	H33	02/23/2025	Chemtech -SO
					GENV01	H33	02/25/2025	Chemtech -SO

Date/Time 02126125 15:45

Raw Sample Received by: SB (WC)

Raw Sample Relinquished by: CP SM

Date/Time 02126125 17:30

Raw Sample Received by: CP SM

Raw Sample Relinquished by: SB (WC)

WORKLIST(Hardcopy Internal Chain)

VB 134817

WorkList Name : %1-022625 **WorkList ID :** 187879 **Department :** Wet-Chemistry **Date :** 02-26-2025 07:54:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1448-02	P1	Solid	Percent Solids	Cool 4 deg C	GENV01	H33	02/25/2025	Chemtech -SO
Q1448-03	P2	Solid	Percent Solids	Cool 4 deg C	GENV01	H33	02/25/2025	Chemtech -SO
Q1448-04	P3	Solid	Percent Solids	Cool 4 deg C	GENV01	H33	02/25/2025	Chemtech -SO
Q1448-05	P4	Solid	Percent Solids	Cool 4 deg C	GENV01	H33	02/25/2025	Chemtech -SO

Date/Time 02126125 15:45
Raw Sample Received by: JB (WC)
Raw Sample Relinquished by: CP SM

Date/Time 02126125 17:30
Raw Sample Received by: CP SM
Raw Sample Relinquished by: JB (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. Q1447
COC Number 2046139

CLIENT INFORMATION (REPORT TO BE SENT TO)

COMPANY: G ENVIRONMENTAL
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Nelson
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail: gary@g-environmental.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G ENVIRONMENTAL PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1. EDH
2. VOC BNFLS
3. PCBs
4. RCRA Cd, Cr, Pb, Hg
5. TAL Metals
6. TCLP Metals
7. Paint Filter
8. Flash pH
9. Ignitability

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.	WC1	Soil	X		2/23/25	1600	2	X	X	X	X	X	X	X	X	X	
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES — Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	2/26/25 1415	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: Waste Class

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

CHEMTECH 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1447 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 2/26/2025 2:32:53 PM
Project Name : Nelson
Receive DateTime : 2/26/2025 2:15:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level I~~ NJ Reduce
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1447-01	WC1	Solid	02/23/2025	16:00	VOC-TCLVOA-10		8260D		5 ~~10 Bus.~~ Days

Relinguished By :
Date / Time : 2-26-251505

Received By :
Date / Time : 02/26/25 15:05
Storage Area : VOA Refridgerator Room

Ng #6
F27