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

Cover Page

Order ID : Q1355

Project ID : Amsterdam

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1355-01	RW1
Q1355-02	MW2

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: 2/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1355**

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

QA Review Signature: **PRADIP PRAJAPATI** **Date:** **02/15/2025**

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

LAB CHRONICLE

OrderID:	Q1355	**OrderDate:**	2/11/2025 1:38:32 PM
Client:	G Environmental	**Project:**	Amsterdam
Contact:	Gary Landis	**Location:**	N41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1355-01	**RW1**	**Water**			**02/11/25**			**02/11/25**
			VOCMS Group1	8260-Low			02/12/25	
Q1355-02	**MW2**	**Water**			**02/11/25**			**02/11/25**
			VOCMS Group1	8260-Low			02/12/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1355

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**RW1**								
Q1355-01	RW1	Water	Acetone		5.50		1.40	5.00	ug/L
Q1355-01	RW1	Water	Chlorobenzene		1.70		0.13	1.00	ug/L
			Total Voc :		7.20				
Q1355-01	RW1	Water	Naphthalene, 1,2,3,4-tetrahydrc	*	6.80	J	0	0	ug/L
Q1355-01	RW1	Water	Naphthalene, 1,2,3,4-tetrahydrc	*	6.00	J	0	0	ug/L
Q1355-01	RW1	Water	Naphthalene, 1,2,3,4-tetrahydrc	*	11.0	J	0	0	ug/L
Q1355-01	RW1	Water	Benzene, 1-ethyl-4-(1-methylet	*	6.00	J	0	0	ug/L
Q1355-01	RW1	Water	Benzene, (3-methyl-2-butenyl)-	*	6.20	J	0	0	ug/L
Q1355-01	RW1	Water	Benzene, 1-(1-methylethenyl)-2	*	5.40	J	0	0	ug/L
Q1355-01	RW1	Water	Benzene, 1,3,5-trimethyl-2-(1-r	*	5.50	J	0	0	ug/L
Q1355-01	RW1	Water	1H-Indene, 2,3-dihydro-1,2-din	*	7.60	J	0	0	ug/L
Q1355-01	RW1	Water	Naphthalene, 1,2,3,4-tetrahydrc	*	8.70	J	0	0	ug/L
Q1355-01	RW1	Water	tert-Butylbenzene	*	0.62	J	0.17	1.00	ug/L
Q1355-01	RW1	Water	sec-Butylbenzene	*	0.56	J	0.17	1.00	ug/L
Q1355-01	RW1	Water	n-Butylbenzene	*	0.25	J	0.22	1.00	ug/L
Q1355-01	RW1	Water	Naphthalene	*	47.4	J	0.59	1.00	ug/L
			Total Tics :		112				
			Total Concentration:		119				
Client ID:	**MW2**								
Q1355-02	MW2	Water	Acetone		3.70	J	1.40	5.00	ug/L
Q1355-02	MW2	Water	cis-1,2-Dichloroethene		1.60		0.25	1.00	ug/L
			Total Voc :		5.30				
			Total Concentration:		5.30				

QC SUMMARY

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

Surrogate Summary

SDG No.: Q1355

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1355-01	RW1	1,2-Dichloroethane-d4	50	55.7	111	70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101	70 (75)	130 (124)
		Toluene-d8	50	50.1	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.3	109	70 (77)	130 (121)
Q1355-02	MW2	1,2-Dichloroethane-d4	50	55.6	111	70 (74)	130 (125)
		Dibromofluoromethane	50	51.8	104	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.7	99	70 (77)	130 (121)
VX0212WBL01	VX0212WBL01	1,2-Dichloroethane-d4	50	54.1	108	70 (74)	130 (125)
		Dibromofluoromethane	50	51.0	102	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.0	102	70 (77)	130 (121)
VX0212WBS01	VX0212WBS01	1,2-Dichloroethane-d4	50	50.2	100	70 (74)	130 (125)
		Dibromofluoromethane	50	49.4	99	70 (75)	130 (124)
		Toluene-d8	50	49.2	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.6	101	70 (77)	130 (121)
VX0212WBSD0	VX0212WBSD01	1,2-Dichloroethane-d4	50	50.4	101	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)
		Toluene-d8	50	49.4	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.8	102	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1355

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VX044923.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0212WBS01	Dichlorodifluoromethane	20	19.1	ug/L	96			40 (69)	160 (116)	
	Chloromethane	20	18.4	ug/L	92			40 (65)	160 (116)	
	Vinyl chloride	20	17.7	ug/L	89			70 (65)	130 (117)	
	Bromomethane	20	20.2	ug/L	101			40 (58)	160 (125)	
	Chloroethane	20	21.8	ug/L	109			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.9	ug/L	95			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.9	ug/L	95			70 (80)	130 (112)	
	Tert butyl alcohol	100	92.4	ug/L	92			70 (73)	130 (124)	
	1,1-Dichloroethene	20	18.3	ug/L	92			70 (74)	130 (110)	
	Acetone	100	95.2	ug/L	95			40 (60)	160 (125)	
	Carbon disulfide	20	16.9	ug/L	85			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.6	ug/L	93			70 (78)	130 (114)	
	Methyl Acetate	20	19.8	ug/L	99			70 (67)	130 (125)	
	Methylene Chloride	20	18.4	ug/L	92			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.2	ug/L	91			70 (75)	130 (108)	
	1,1-Dichloroethane	20	18.6	ug/L	93			70 (78)	130 (112)	
	Cyclohexane	20	18.1	ug/L	91			70 (75)	130 (110)	
	2-Butanone	100	97.1	ug/L	97			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.4	ug/L	92			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.0	ug/L	95			70 (77)	130 (110)	
	Bromochloromethane	20	18.0	ug/L	90			70 (70)	130 (124)	
	Chloroform	20	19.1	ug/L	96			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			70 (80)	130 (108)	
	Methylcyclohexane	20	18.8	ug/L	94			70 (72)	130 (115)	
	Benzene	20	18.9	ug/L	95			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.8	ug/L	99			70 (80)	130 (115)	
	Trichloroethene	20	18.2	ug/L	91			70 (77)	130 (113)	
	1,2-Dichloropropane	20	18.5	ug/L	93			70 (83)	130 (111)	
	Bromodichloromethane	20	19.1	ug/L	96			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	19.1	ug/L	96			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.0	ug/L	90			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.1	ug/L	91			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	19.2	ug/L	96			70 (83)	130 (112)	
	2-Hexanone	100	100	ug/L	100			40 (73)	160 (117)	
	Dibromochloromethane	20	18.8	ug/L	94			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.1	ug/L	96			70 (81)	130 (110)	
	Tetrachloroethene	20	18.9	ug/L	95			70 (67)	130 (123)	
	Chlorobenzene	20	18.9	ug/L	95			70 (82)	130 (109)	
	Ethyl Benzene	20	18.9	ug/L	95			70 (83)	130 (109)	
	m/p-Xylenes	40	38.3	ug/L	96			70 (82)	130 (110)	
	o-Xylene	20	18.9	ug/L	95			70 (83)	130 (109)	
	Styrene	20	19.3	ug/L	97			70 (80)	130 (111)	
	Bromoform	20	18.9	ug/L	95			70 (79)	130 (109)	
	Isopropylbenzene	20	18.3	ug/L	92			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	18.6	ug/L	93			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.6	ug/L	93			70 (82)	130 (107)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1355

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VX044923.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0212WBS01	1,2-Dichlorobenzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	17.7	ug/L	89			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.9	ug/L	90			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.7	ug/L	94			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1355

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VX044924.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0212WBSD01	Dichlorodifluoromethane	20	18.5	ug/L	93	3		40 (69)	160 (116)	20 (20)
	Chloromethane	20	17.6	ug/L	88	4		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	16.9	ug/L	85	5		70 (65)	130 (117)	20 (20)
	Bromomethane	20	19.4	ug/L	97	4		40 (58)	160 (125)	20 (20)
	Chloroethane	20	22.0	ug/L	110	1		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	18.6	ug/L	93	2		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93	2		70 (80)	130 (112)	20 (20)
	Tert butyl alcohol	100	97.7	ug/L	98	6		70 (73)	130 (124)	20 (20)
	1,1-Dichloroethene	20	17.5	ug/L	88	4		70 (74)	130 (110)	20 (20)
	Acetone	100	98.2	ug/L	98	3		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	16.6	ug/L	83	2		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	18.7	ug/L	94	1		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	19.9	ug/L	100	1		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	18.4	ug/L	92	0		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.0	ug/L	90	1		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	18.7	ug/L	94	1		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	17.8	ug/L	89	2		70 (75)	130 (110)	20 (20)
	2-Butanone	100	99.3	ug/L	99	2		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	18.7	ug/L	94	2		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	18.5	ug/L	93	2		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	18.0	ug/L	90	0		70 (70)	130 (124)	20 (20)
	Chloroform	20	18.6	ug/L	93	3		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	18.2	ug/L	91	3		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	19.4	ug/L	97	3		70 (72)	130 (115)	20 (20)
	Benzene	20	18.9	ug/L	95	0		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.0	ug/L	100	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.7	ug/L	94	3		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	19.6	ug/L	98	5		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	19.3	ug/L	97	1		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		40 (74)	160 (118)	20 (20)
	Toluene	20	19.4	ug/L	97	1		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	17.8	ug/L	89	1		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.3	ug/L	97	6		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	20.3	ug/L	102	6		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	10		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	19.0	ug/L	95	1		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.6	ug/L	98	2		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.0	ug/L	95	0		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.0	ug/L	95	0		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	19.0	ug/L	95	0		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	38.9	ug/L	97	1		70 (82)	130 (110)	20 (20)
	o-Xylene	20	19.5	ug/L	98	3		70 (83)	130 (109)	20 (20)
	Styrene	20	19.7	ug/L	99	2		70 (80)	130 (111)	20 (20)
	Bromoform	20	19.4	ug/L	97	2		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	18.7	ug/L	94	2		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	18.2	ug/L	91	2		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.3	ug/L	97	4		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	18.5	ug/L	93	0		70 (82)	130 (107)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1355

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VX044924.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0212WBSD01	1,2-Dichlorobenzene	20	19.1	ug/L	96	1		70 (82)	130 (109)	20 (20)
	1,2-Dibromo-3-Chloropropane	20	18.7	ug/L	94	5		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	17.8	ug/L	89	1		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93	1		70 (76)	130 (114)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0212WBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1355 SAS No.: Q1355 SDG NO.: Q1355

Lab File ID: VX044922.D Lab Sample ID: VX0212WBL01

Date Analyzed: 02/12/2025 Time Analyzed: 10:57

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0212WBS01	VX0212WBS01	VX044923.D	02/12/2025
VX0212WBSD01	VX0212WBSD01	VX044924.D	02/12/2025
RW1	Q1355-01	VX044937.D	02/12/2025
MW2	Q1355-02	VX044938.D	02/12/2025

COMMENTS:

Raw Data: **VX044867.D**

Alliance TECHNICAL GROUP
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.: Q1355 SAS No.: Q1355 SDG NO.: Q1355

Lab File ID: VX044867.D BFB Injection Date: 02/10/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:35

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	75.9
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	72.6 (95.7) 1
177	5.0 - 9.0% of mass 176	4.5 (6.2) 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
VSTDICC001	VSTDICC001	VX044868.D	02/10/2025	10:25
VSTDICC005	VSTDICC005	VX044869.D	02/10/2025	10:48
VSTDICC020	VSTDICC020	VX044870.D	02/10/2025	11:11
VSTDICCC050	VSTDICCC050	VX044871.D	02/10/2025	11:34
VSTDICC100	VSTDICC100	VX044872.D	02/10/2025	12:05
VSTDICC150	VSTDICC150	VX044873.D	02/10/2025	12:28

Raw Data: **VX044919.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.: Q1355 SAS No.: Q1355 SDG NO.: Q1355

Lab File ID: VX044919.D BFB Injection Date: 02/12/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:39

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	52.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	77.1
175	5.0 - 9.0% of mass 174	5.6 (7.2) 1
176	95.0 - 101.0% of mass 174	74.9 (97.1) 1
177	5.0 - 9.0% of mass 176	4.9 (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	VX044920.D	02/12/2025	10:07
VX0212WBL01	VX0212WBL01	VX044922.D	02/12/2025	10:57
VX0212WBS01	VX0212WBS01	VX044923.D	02/12/2025	11:20
VX0212WBSD01	VX0212WBSD01	VX044924.D	02/12/2025	11:46
RW1	Q1355-01	VX044937.D	02/12/2025	16:44
MW2	Q1355-02	VX044938.D	02/12/2025	17:07

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1355 SAS No.: Q1355 SDG NO.: Q1355

Lab File ID: VX044920.D Date Analyzed: 02/12/2025

Instrument ID: MSVOA_X Time Analyzed: 10:07

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	120105	5.54	211946	6.75	185163	10.05
UPPER LIMIT	240210	6.044	423892	7.251	370326	10.549
LOWER LIMIT	60052.5	5.044	105973	6.251	92581.5	9.549
EPA SAMPLE NO.						
RW1	83265	5.54	169774	6.76	156232	10.05
MW2	85678	5.54	173415	6.76	155759	10.05
VX0212WBL01	96997	5.54	194457	6.76	176635	10.05
VX0212WBS01	111261	5.54	204350	6.76	179478	10.05
VX0212WBSD01	109124	5.54	195530	6.75	172961	10.05

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1355 SAS No.: Q1355 SDG NO.: Q1355

Lab File ID: VX044920.D Date Analyzed: 02/12/2025

Instrument ID: MSVOA_X Time Analyzed: 10:07

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

	IS4 AREA #	RT #				
12 HOUR STD	84033	12.018				
UPPER LIMIT	168066	12.518				
LOWER LIMIT	42016.5	11.518				
EPA SAMPLE NO.						
RW1	67649	12.02				
MW2	62222	12.02				
VX0212WBL01	76229	12.02				
VX0212WBS01	82301	12.02				
VX0212WBSD01	79611	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

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:	02/11/25
Project:	Amsterdam	Date Received:	02/11/25
Client Sample ID:	RW1	SDG No.:	Q1355
Lab Sample ID:	Q1355-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044937.D	1		02/12/25 16:44	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	5.50		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

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:	02/11/25	
Project:	Amsterdam		Date Received:	02/11/25	
Client Sample ID:	RW1		SDG No.:	Q1355	
Lab Sample ID:	Q1355-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044937.D	1		02/12/25 16:44	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	1.70		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		70 (77) - 130 (121)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	83300	5.544			
540-36-3	1,4-Difluorobenzene	170000	6.757			
3114-55-4	Chlorobenzene-d5	156000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	67600	12.018			

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:	02/11/25
Project:	Amsterdam	Date Received:	02/11/25
Client Sample ID:	RW1	SDG No.:	Q1355
Lab Sample ID:	Q1355-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044937.D	1		02/12/25 16:44	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS						
98-06-6	tert-Butylbenzene	0.62	J		11.7	ug/L
135-98-8	sec-Butylbenzene	0.56	J		11.9	ug/L
104-51-8	n-Butylbenzene	0.25	J		12.3	ug/L
004218-48-8	Benzene, 1-ethyl-4-(1-methylethyl)	6.00	J		13.6	ug/L
91-20-3	Naphthalene	47.4	J		13.8	ug/L
003877-19-8	Naphthalene, 1,2,3,4-tetrahydro-2-	6.00	J		13.9	ug/L
004489-84-3	Benzene, (3-methyl-2-butenyl)-	6.20	J		13.9	ug/L
017057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethy	7.60	J		14.2	ug/L
014679-13-1	Benzene, 1,3,5-trimethyl-2-(1-meth	5.50	J		14.4	ug/L
002809-64-5	Naphthalene, 1,2,3,4-tetrahydro-5-	6.80	J		14.5	ug/L
004175-54-6	Naphthalene, 1,2,3,4-tetrahydro-1,	11.0	J		14.6	ug/L
005557-93-7	Benzene, 1-(1-methylethenyl)-2-(1-	5.40	J		14.7	ug/L
020027-77-4	Naphthalene, 1,2,3,4-tetrahydro-5,6-dim	8.70	J		15.2	ug/L

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

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

Sample Results: **VX044937.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

Quant Time: Feb 13 00:51:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	83265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	169774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	156232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67943	55.744	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.480%			
35) Dibromofluoromethane	5.379	113	55596	50.367	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.740%			
50) Toluene-d8	8.647	98	209257	50.134	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.260%			
62) 4-Bromofluorobenzene	11.079	95	76420	54.309	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.620%			
Target Compounds						Qvalue
16) Acetone	2.380	43	2678	5.465	ug/l	91
65) Chlorobenzene	10.073	112	5587	1.665	ug/l	95
83) tert-Butylbenzene	11.713	119	2786	0.623	ug/l	93
85) sec-Butylbenzene	11.890	105	3127	0.565	ug/l	94
89) n-Butylbenzene	12.335	91	999m	0.254	ug/l	
95) Naphthalene	13.774	128	231414	47.401	ug/l	100

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

Sample Results: **VX044937.D**

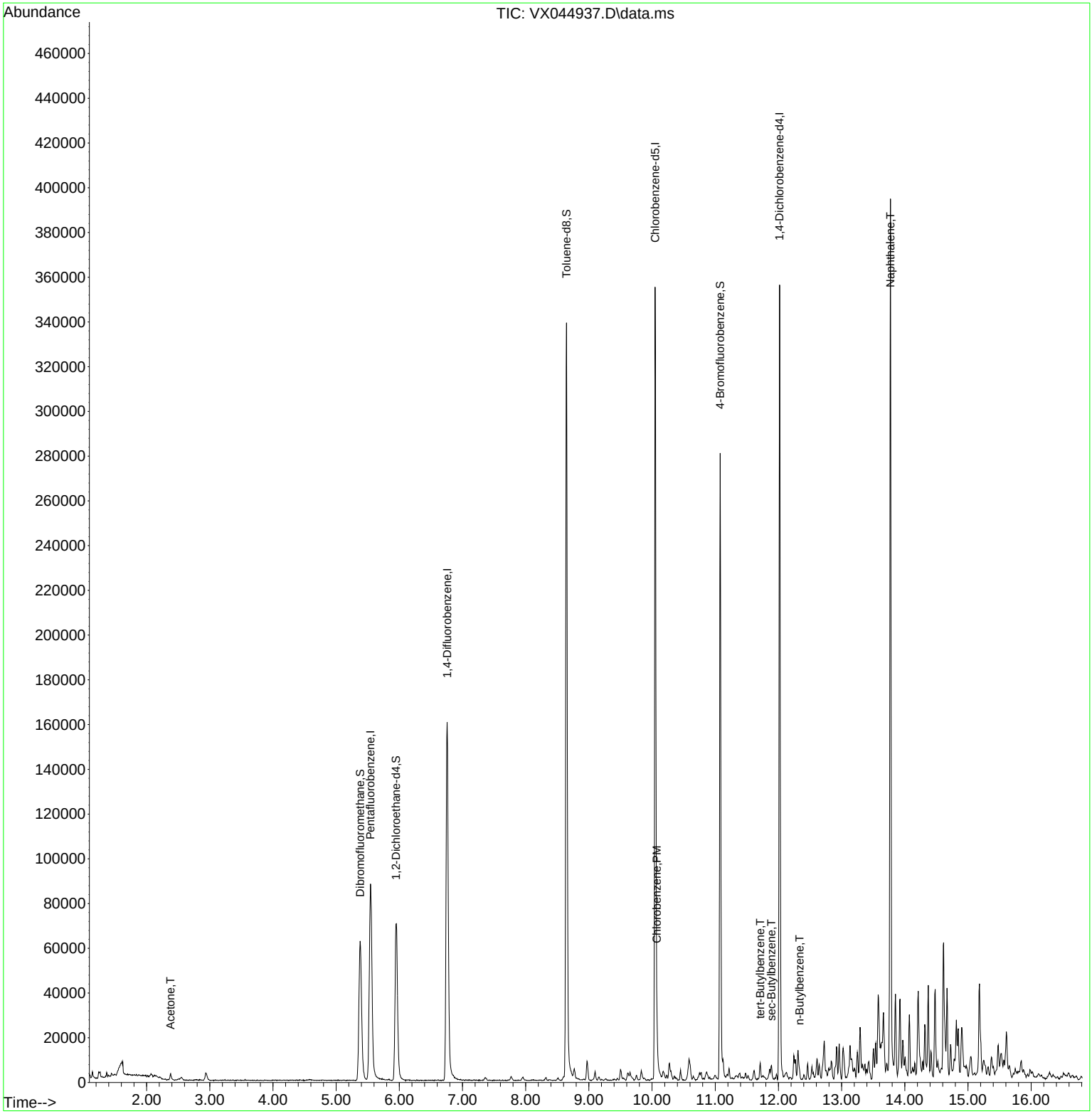
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

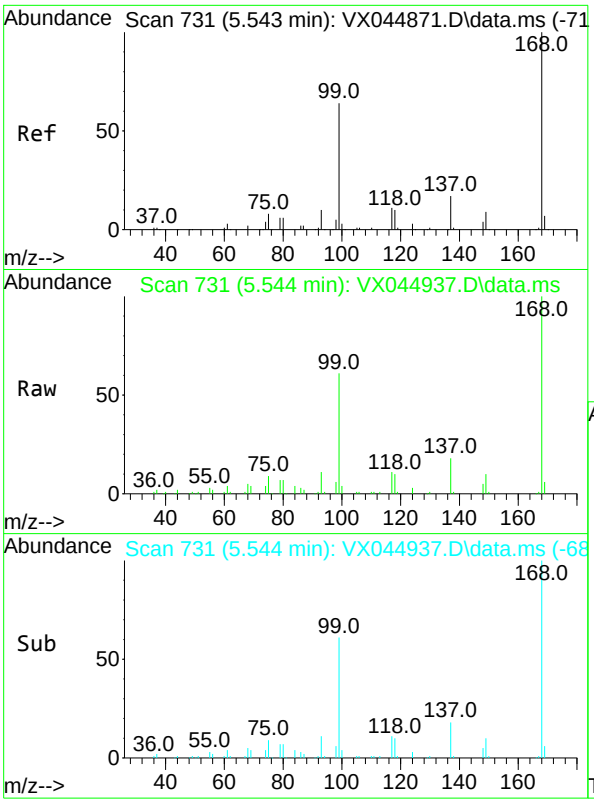
Quant Time: Feb 13 00:51:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RW1

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

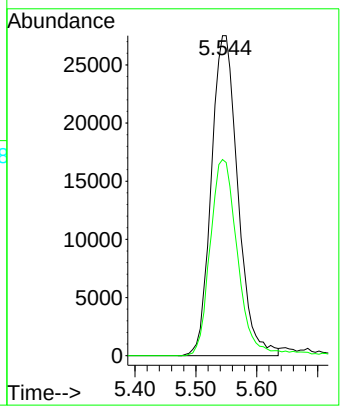




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion:168 Resp: 8326

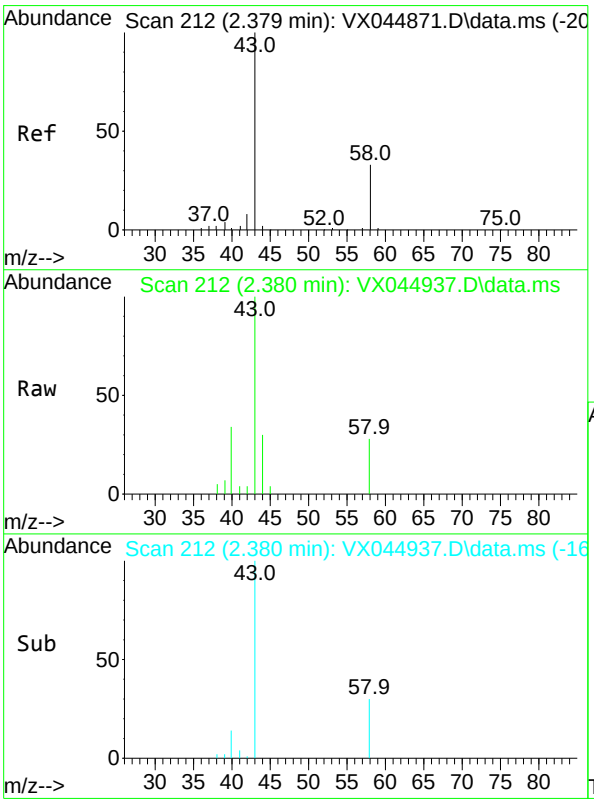
Ion	Ratio	Lower	Upper
168	100		
99	61.3	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
RW1

Manual Integrations
APPROVED

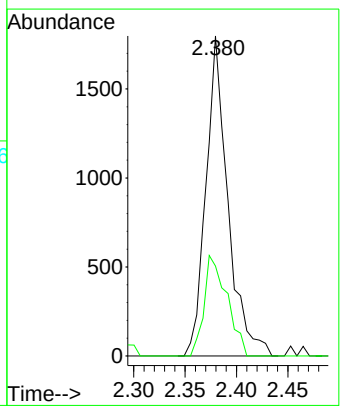
Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

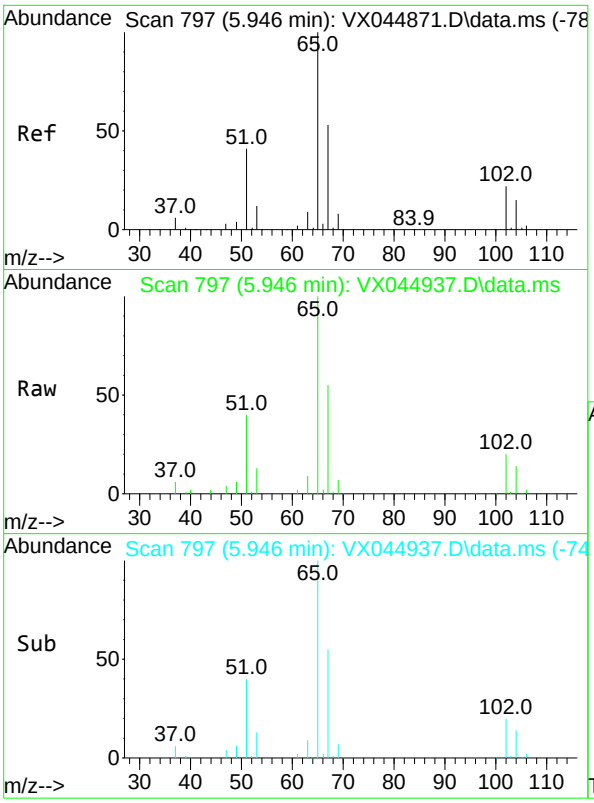


#16
Acetone
Concen: 5.465 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion: 43 Resp: 2678

Ion	Ratio	Lower	Upper
43	100		
58	28.1	26.5	39.7

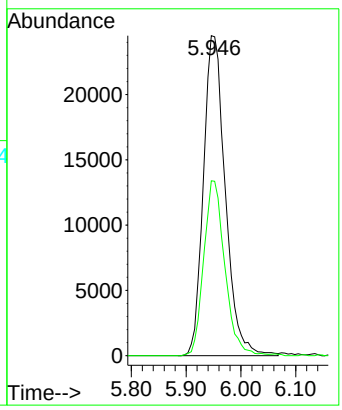




#33
1,2-Dichloroethane-d4
Concen: 55.744 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion: 65 Resp: 6794

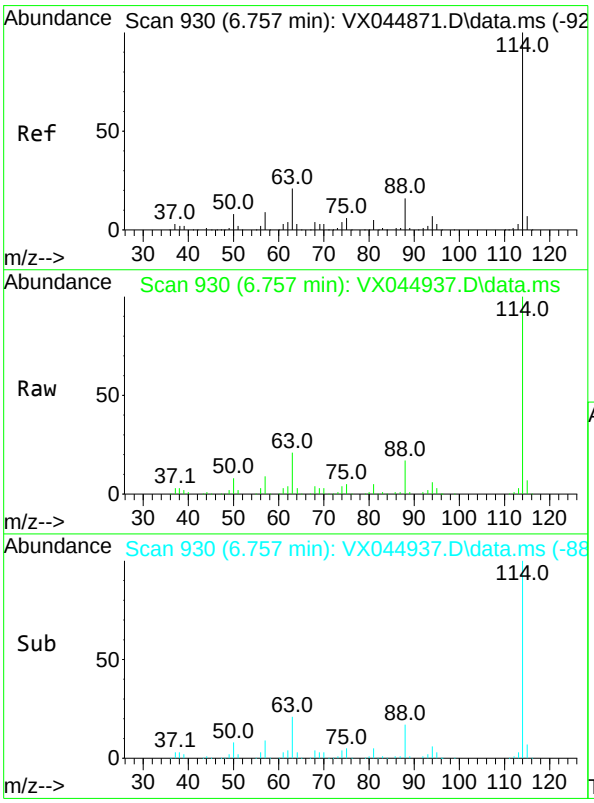
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	108.2



Instrument :
MSVOA_X
ClientSampleId :
RW1

Manual Integrations
APPROVED

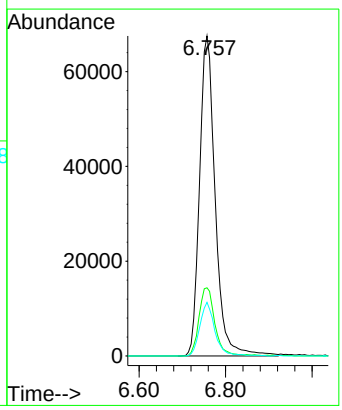
Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

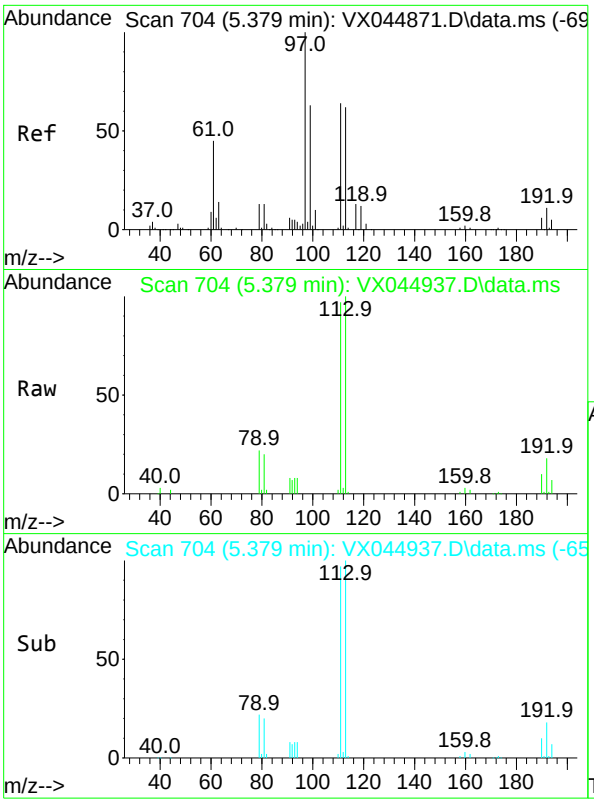


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion:114 Resp: 169774

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.4
88	16.8	0.0	31.4

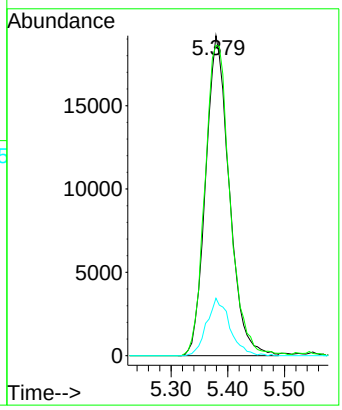




#35
Dibromofluoromethane
Concen: 50.367 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion:113 Resp: 5559(

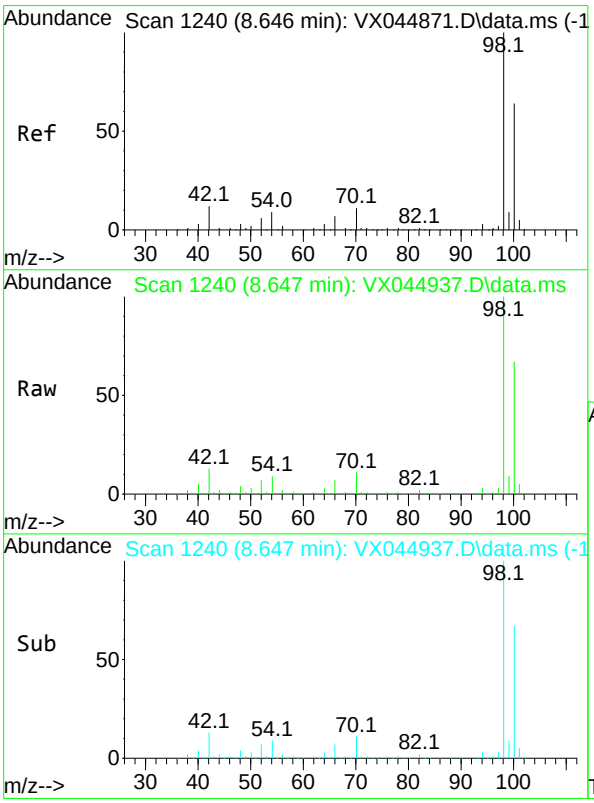
Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.5	125.3
192	17.6	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
RW1

Manual Integrations
APPROVED

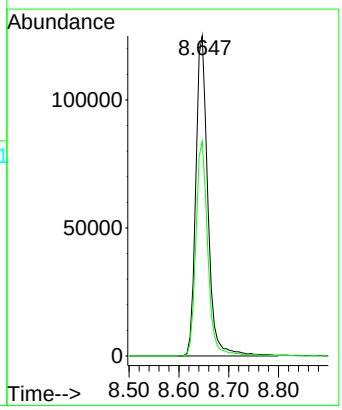
Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

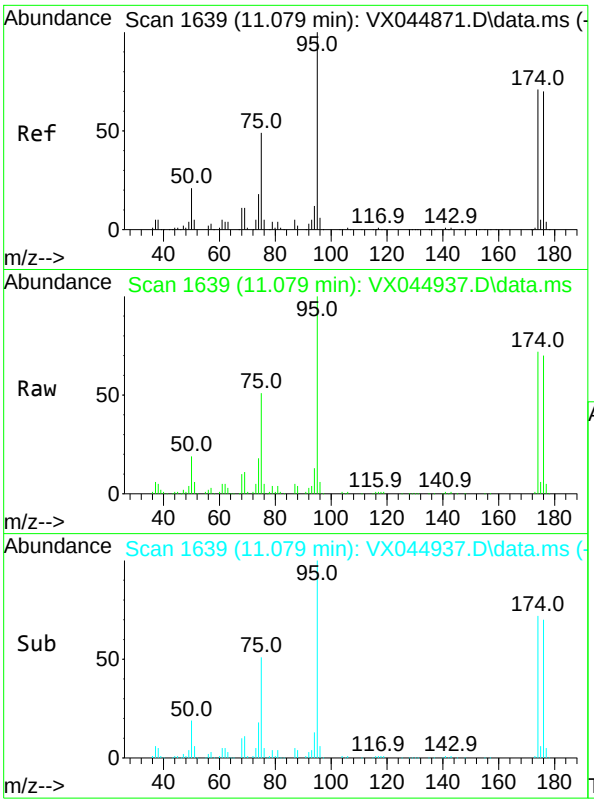


#50
Toluene-d8
Concen: 50.134 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion: 98 Resp: 209257

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1

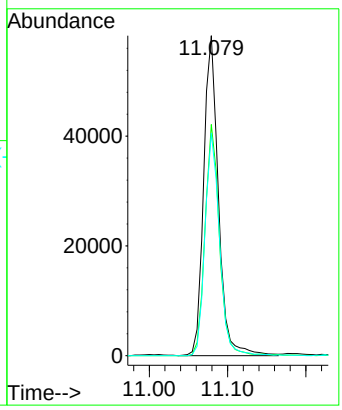




#62
4-Bromofluorobenzene
Concen: 54.309 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion: 95 Resp: 7642

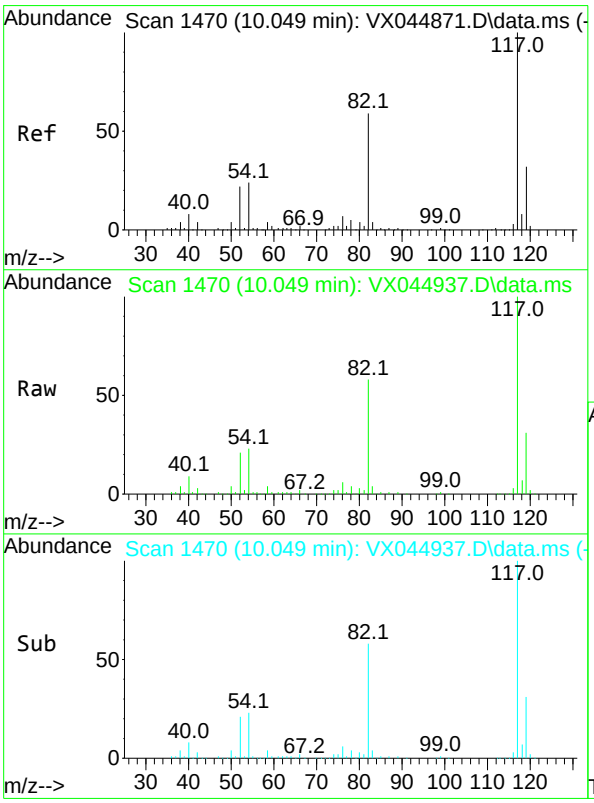
Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	142.6
176	68.6	0.0	141.6



Instrument :
MSVOA_X
ClientSampleId :
RW1

Manual Integrations
APPROVED

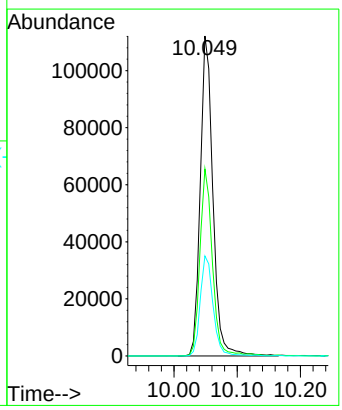
Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

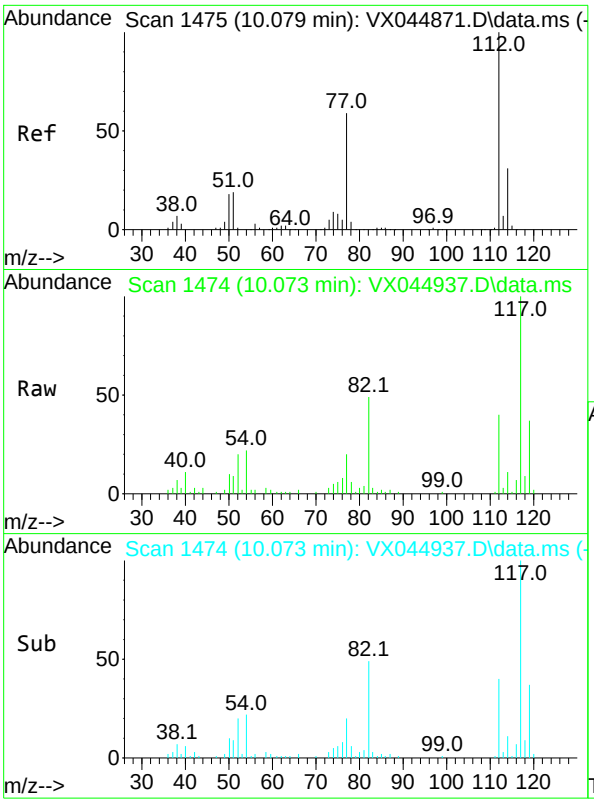


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion:117 Resp: 156232

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.5	71.3
119	31.3	25.4	38.0

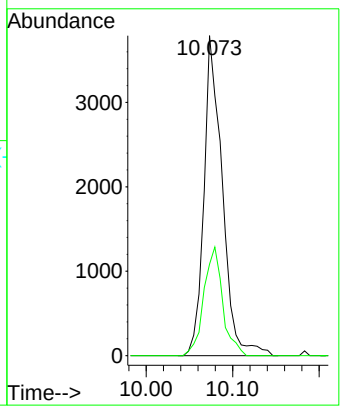




#65
Chlorobenzene
Concen: 1.665 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion:112 Resp: 558

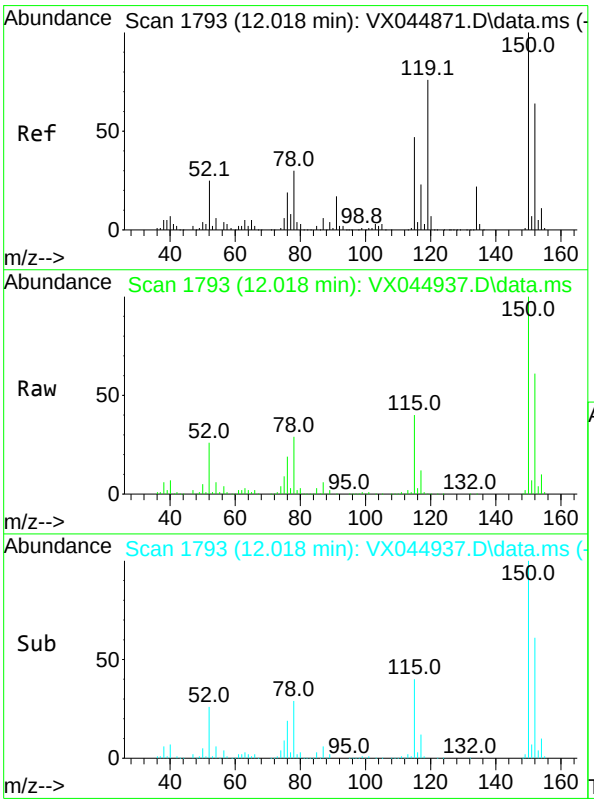
Ion	Ratio	Lower	Upper
112	100		
114	28.6	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
RW1

Manual Integrations
APPROVED

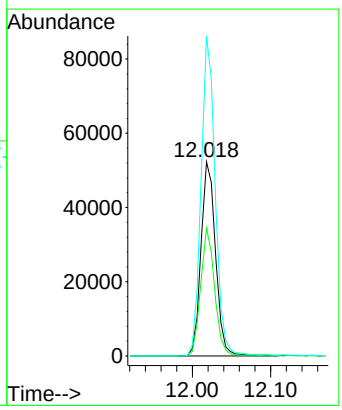
Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

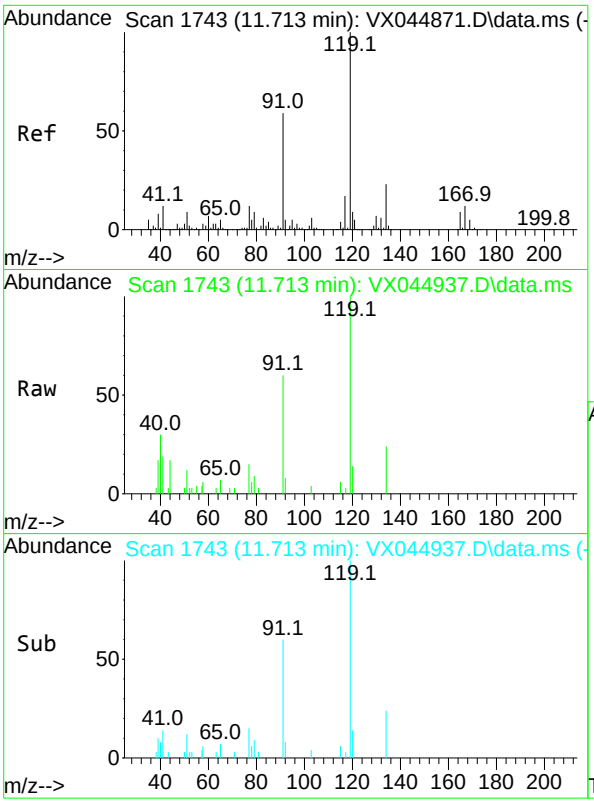


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion:152 Resp: 67649

Ion	Ratio	Lower	Upper
152	100		
115	63.1	43.4	130.1
150	159.9	0.0	350.4

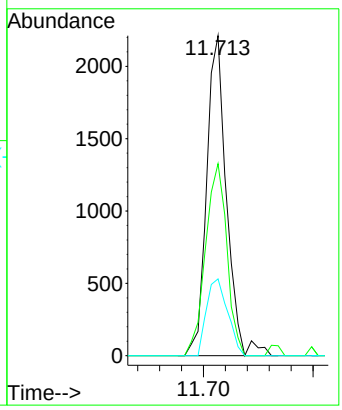




#83
tert-Butylbenzene
Concen: 0.623 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion:119 Resp: 278

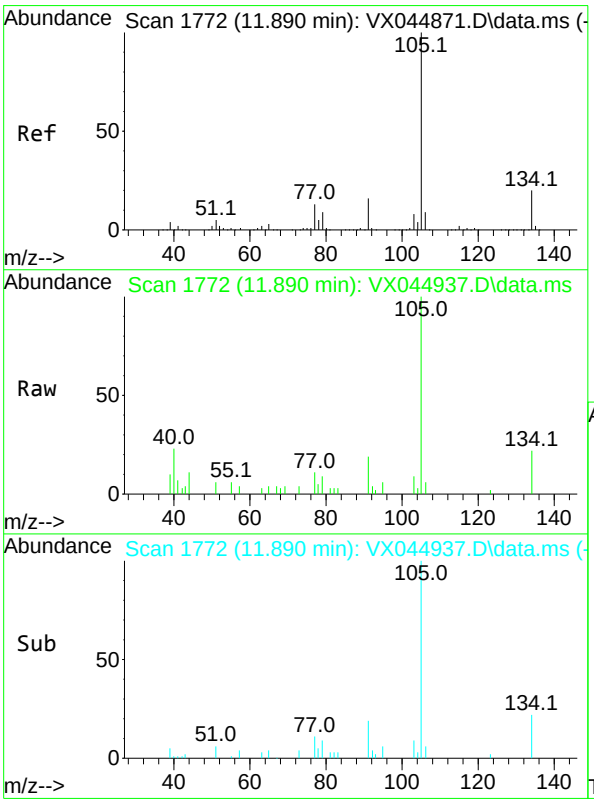
Ion	Ratio	Lower	Upper
119	100		
91	64.5	29.1	87.4
134	25.4	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
RW1

Manual Integrations
APPROVED

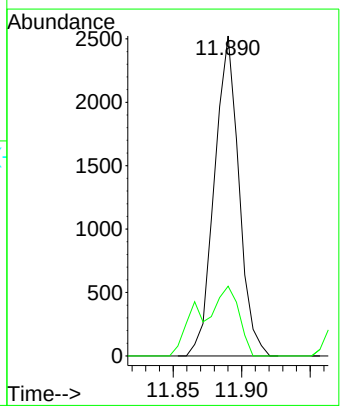
Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

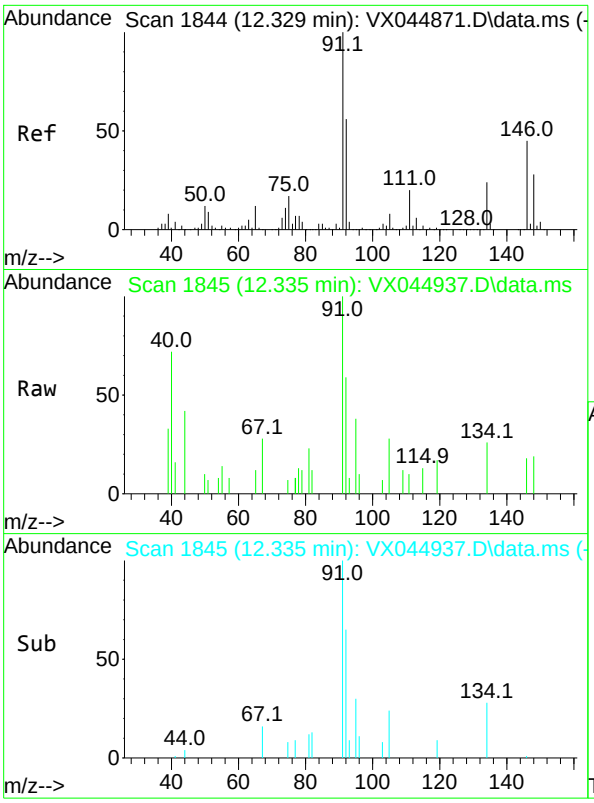


#85
sec-Butylbenzene
Concen: 0.565 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion:105 Resp: 3127

Ion	Ratio	Lower	Upper
105	100		
134	22.3	9.8	29.3

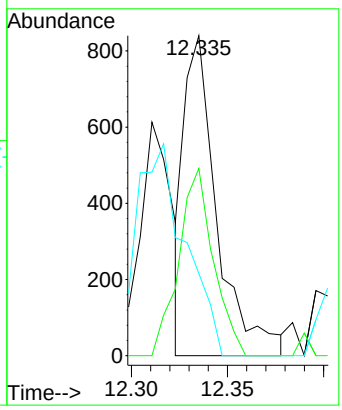




#89
n-Butylbenzene
Concen: 0.254 ug/l m
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion: 91 Resp: 99

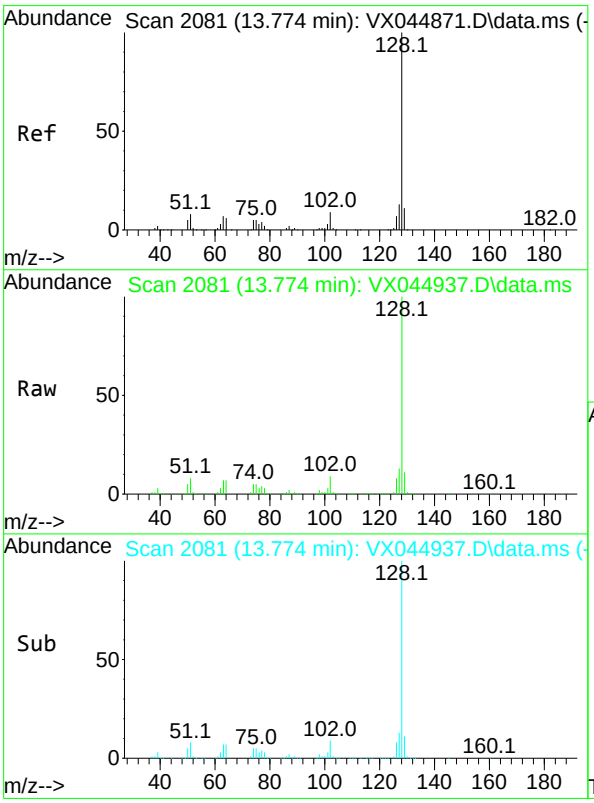
Ion	Ratio	Lower	Upper
91	100		
92	61.7	27.2	81.6
134	96.6	12.1	36.3#



Instrument :
MSVOA_X
ClientSampleId :
RW1

Manual Integrations
APPROVED

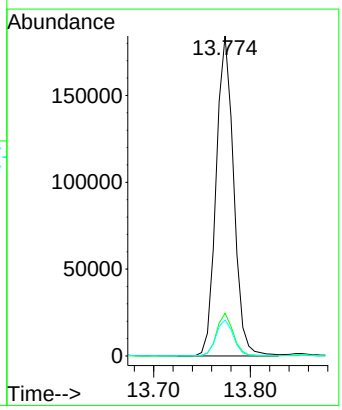
Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#95
Naphthalene
Concen: 47.401 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion:128 Resp: 231414

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.2	8.9	13.3



Sample Results: **VX044937.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260

Signal : TIC: VX044937.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.611	71	86	87	rBV6	6157	21702	3.91%	0.438%
2	2.934	297	303	313	rBV	3397	8045	1.45%	0.162%
3	5.379	694	704	720	rBV	62312	185113	33.37%	3.734%
4	5.544	720	731	746	rBV	87395	256998	46.32%	5.184%
5	5.952	786	798	812	rBV	70116	195779	35.29%	3.949%
6	6.757	921	930	954	rBV	160090	401951	72.45%	8.108%
7	8.647	1234	1240	1255	rBV	337080	554795	100.00%	11.191%
8	8.769	1256	1260	1265	rVB5	4205	7010	1.26%	0.141%
9	8.970	1288	1293	1302	rVB3	8608	15036	2.71%	0.303%
10	9.098	1304	1314	1320	rBV2	4154	7401	1.33%	0.149%
11	9.500	1376	1380	1386	rBV3	4654	8124	1.46%	0.164%
12	9.616	1394	1399	1402	rBV4	3355	6368	1.15%	0.128%
13	9.653	1402	1405	1415	rVB4	3655	7743	1.40%	0.156%
14	9.829	1430	1434	1440	rBV2	4155	6849	1.23%	0.138%
15	10.049	1465	1470	1486	rBV	353949	512577	92.39%	10.339%
16	10.177	1488	1491	1498	rVB6	3017	5721	1.03%	0.115%
17	10.274	1503	1507	1516	rVB6	7211	15967	2.88%	0.322%
18	10.451	1532	1536	1541	rVB3	4583	5657	1.02%	0.114%
19	10.585	1548	1558	1566	rBV5	9531	24905	4.49%	0.502%
20	10.866	1598	1604	1609	rBV7	3279	7397	1.33%	0.149%
21	11.079	1633	1639	1645	rBV	279910	360944	65.06%	7.281%
22	11.616	1720	1727	1733	rBV5	4329	8038	1.45%	0.162%
23	11.713	1737	1743	1746	rVV	7508	10394	1.87%	0.210%
24	11.866	1759	1768	1769	rBV2	4561	7544	1.36%	0.152%
25	11.890	1769	1772	1777	rVB	6123	8657	1.56%	0.175%
26	12.018	1788	1793	1803	rBV	355274	446389	80.46%	9.004%
27	12.128	1805	1811	1817	rVB8	3002	7732	1.39%	0.156%
28	12.244	1824	1830	1833	rBV3	10733	16450	2.97%	0.332%
29	12.268	1833	1834	1837	rVV	8964	7801	1.41%	0.157%
30	12.311	1837	1841	1850	rVB5	13103	23418	4.22%	0.472%
31	12.463	1862	1866	1871	rBV	7081	8680	1.56%	0.175%
32	12.530	1871	1877	1880	rBV2	5726	8294	1.49%	0.167%
33	12.609	1885	1890	1893	rBV2	8181	12077	2.18%	0.244%
34	12.646	1893	1896	1901	rVB3	6173	8677	1.56%	0.175%
35	12.725	1901	1909	1913	rBV4	16773	34043	6.14%	0.687%
36	12.835	1925	1927	1933	rVB3	8029	12144	2.19%	0.245%

Sample Results: **VX044937.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260

37	12.920	1933	1941	1944	rBV2	14582	25676	4.63%	0.518%
38	12.963	1944	1948	1954	rVB2	15739	23005	4.15%	0.464%
39	13.024	1954	1958	1964	rBV3	13818	26724	4.82%	0.539%
40	13.134	1967	1976	1979	rBV3	14505	26742	4.82%	0.539%
41	13.250	1991	1995	1998	rBV3	11139	15615	2.81%	0.315%
42	13.292	1998	2002	2006	rVV	20386	27613	4.98%	0.557%
43	13.432	2021	2025	2031	rVB5	8090	15388	2.77%	0.310%
44	13.506	2031	2037	2040	rBV2	13787	21446	3.87%	0.433%
45	13.542	2040	2043	2045	rBV	10877	12241	2.21%	0.247%
46	13.579	2045	2049	2054	rBV4	30779	53578	9.66%	1.081%
47	13.664	2060	2063	2068	rVB2	26387	40399	7.28%	0.815%
48	13.774	2074	2081	2089	rVV	390329	496342	89.46%	10.012%
49	13.853	2089	2094	2099	rVB	36637	53204	9.59%	1.073%
50	13.926	2099	2106	2110	rBV2	34399	55601	10.02%	1.122%
51	13.969	2110	2113	2117	rVV2	14675	20659	3.72%	0.417%
52	14.006	2117	2119	2126	rVB4	8467	11687	2.11%	0.236%
53	14.073	2126	2130	2134	rBV2	27302	35746	6.44%	0.721%
54	14.213	2147	2153	2162	rBV2	37354	67495	12.17%	1.361%
55	14.286	2162	2165	2167	rVV4	5715	6538	1.18%	0.132%
56	14.316	2167	2170	2175	rVV2	22159	31110	5.61%	0.628%
57	14.371	2175	2179	2183	rVV	39535	49490	8.92%	0.998%
58	14.414	2183	2186	2192	rVB3	11386	16075	2.90%	0.324%
59	14.481	2192	2197	2202	rBV2	39068	60507	10.91%	1.220%
60	14.524	2202	2204	2210	rVB4	5203	6325	1.14%	0.128%
61	14.615	2215	2219	2225	rVV	56939	98100	17.68%	1.979%
62	14.670	2225	2228	2233	rVB	38709	48155	8.68%	0.971%
63	14.725	2233	2237	2241	rBV4	13536	18757	3.38%	0.378%
64	14.786	2243	2247	2248	rBV4	5037	6300	1.14%	0.127%
65	14.816	2248	2252	2255	rVV	21450	31381	5.66%	0.633%
66	14.847	2255	2257	2261	rVB2	19584	21283	3.84%	0.429%
67	14.902	2261	2266	2272	rBV3	20184	38406	6.92%	0.775%
68	15.048	2283	2290	2295	rBV6	8926	19597	3.53%	0.395%
69	15.182	2302	2312	2319	rBV2	40852	77668	14.00%	1.567%
70	15.249	2319	2323	2330	rVB9	6246	15551	2.80%	0.314%
71	15.322	2330	2335	2339	rVB5	3862	5920	1.07%	0.119%
72	15.371	2339	2343	2347	rBV5	8244	14857	2.68%	0.300%
73	15.481	2352	2361	2364	rVV5	14145	28260	5.09%	0.570%
74	15.530	2364	2369	2373	rVV5	10502	25592	4.61%	0.516%
75	15.609	2377	2382	2387	rVV4	20405	39901	7.19%	0.805%
76	15.652	2387	2389	2396	rVB5	5352	9655	1.74%	0.195%

Sample Results: **VX044937.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260

77	15.847	2416	2421	2425	rVV6	5461	9559	1.72%	0.193%
78	15.877	2425	2426	2433	rVB5	3472	5616	1.01%	0.113%
79	16.292	2486	2494	2500	rBV7	2942	7407	1.34%	0.149%

Sum of corrected areas: 4957591

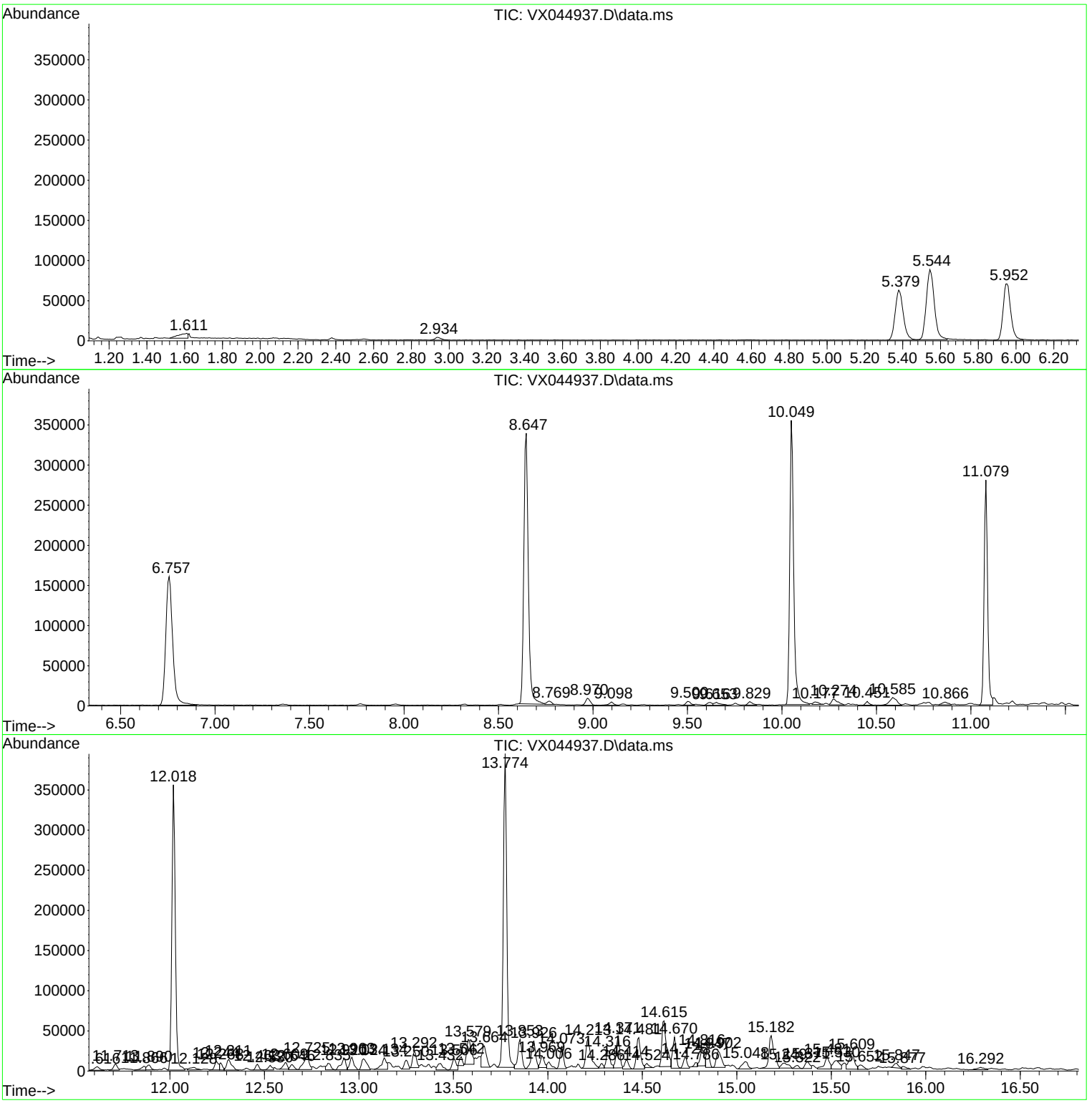
Sample Results: **VX044937.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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



Sample Results: **VX044937.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

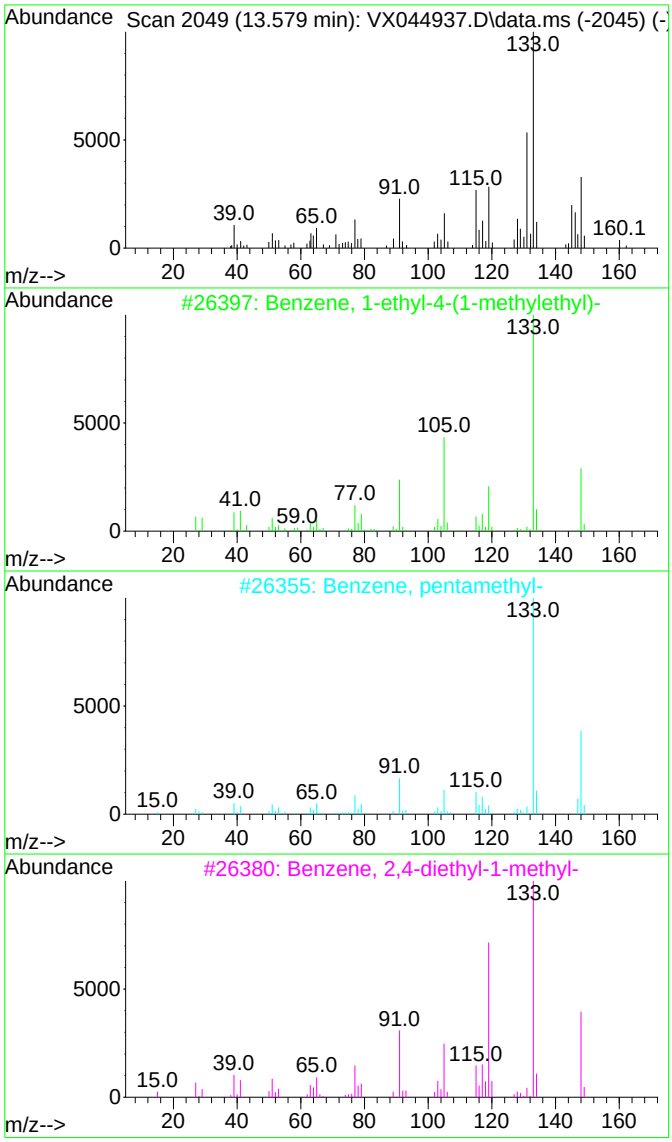
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

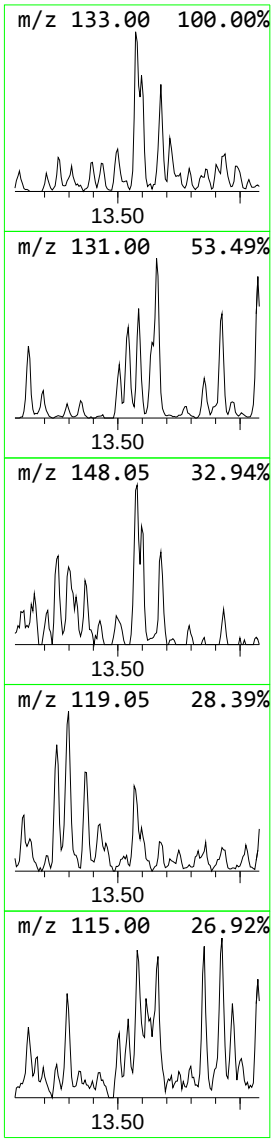
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.579	6.00 ug/l	53578	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	60
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	55
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	55
4	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	53
5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

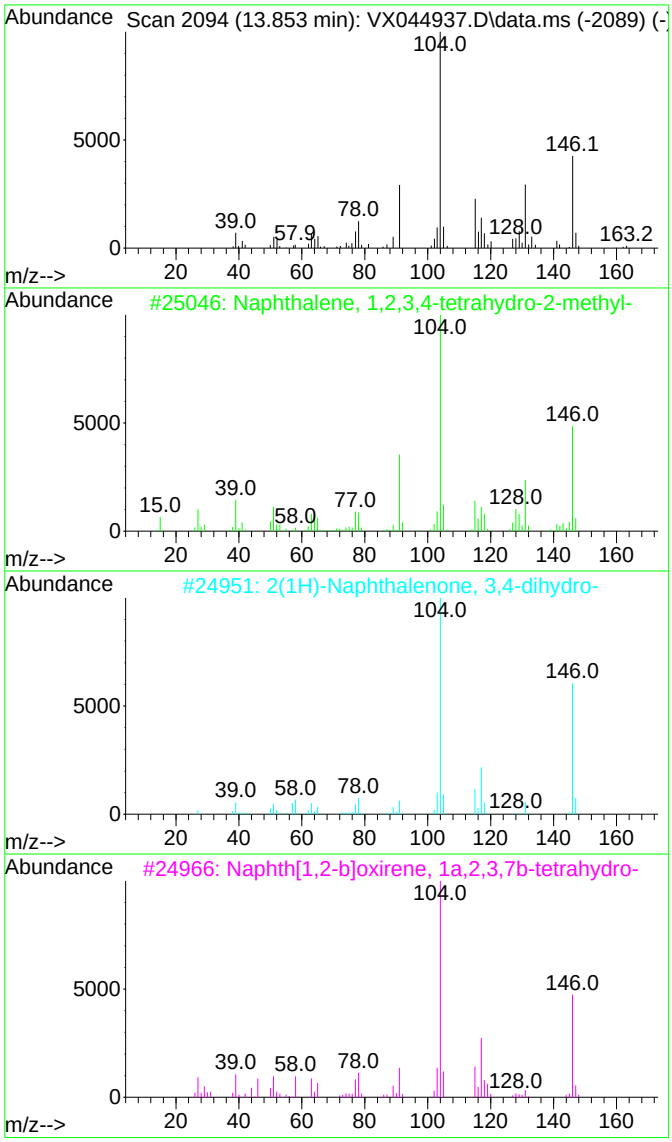
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

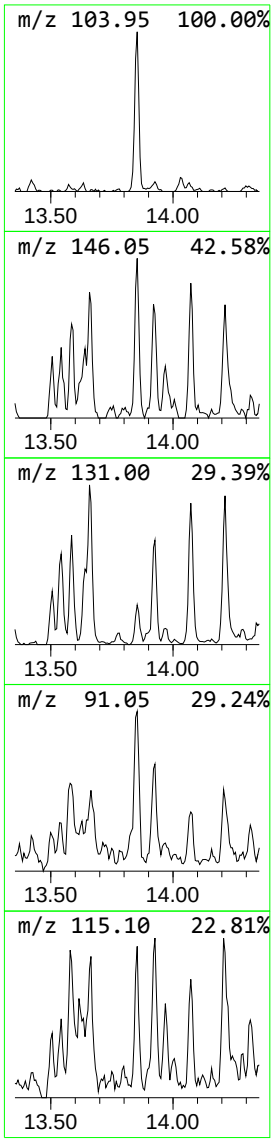
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.853	5.96 ug/l	53204	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	87
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	68
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	50
4	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	40
5	Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

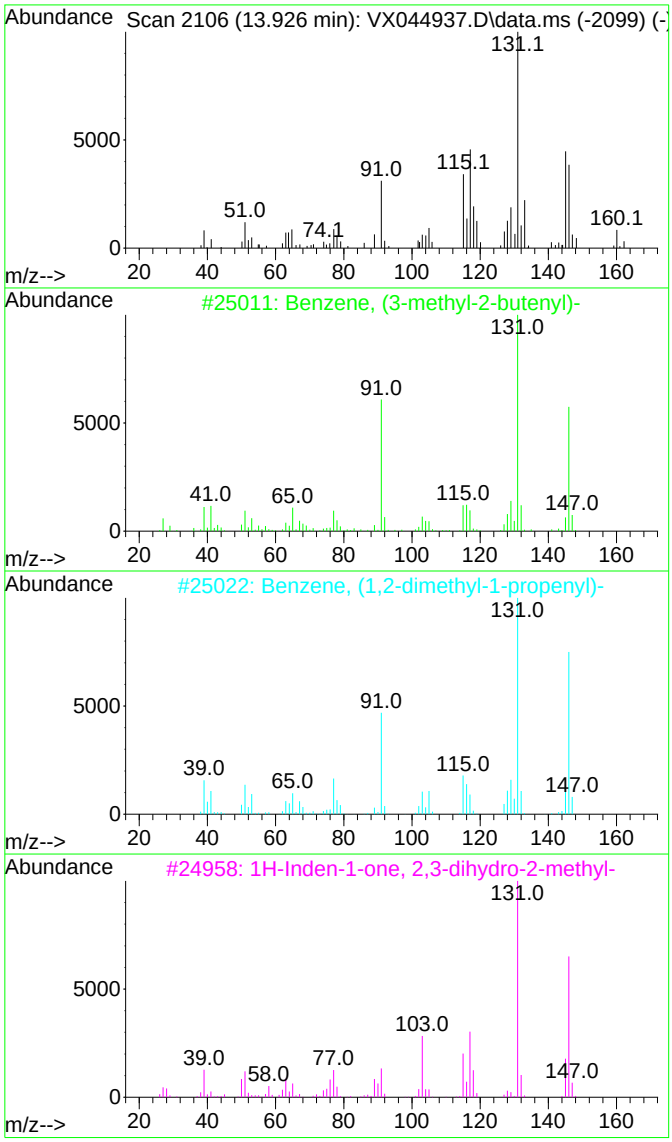
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

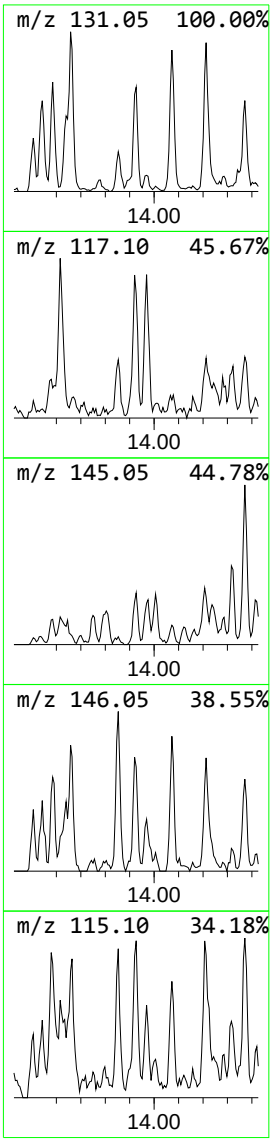
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, (3-methyl-2-butenyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.926	6.23 ug/l	55601	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
3	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	70
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
5	1-Methylindan-2-one	146	C10H10O	035587-60-1	62





Sample Results: **VX044937.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

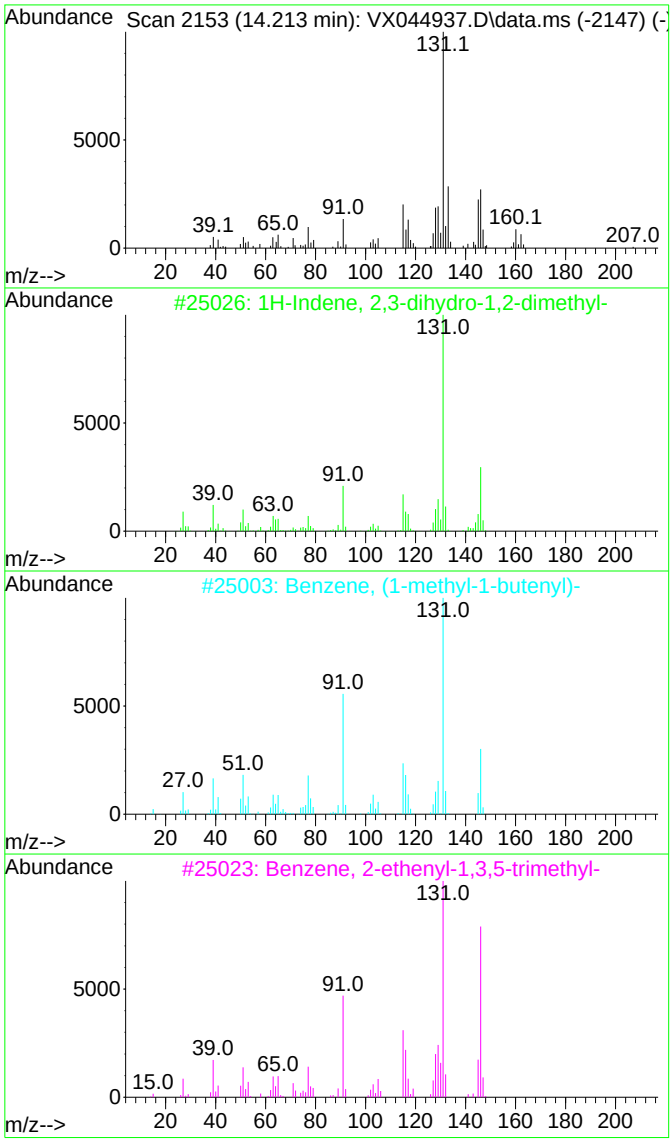
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

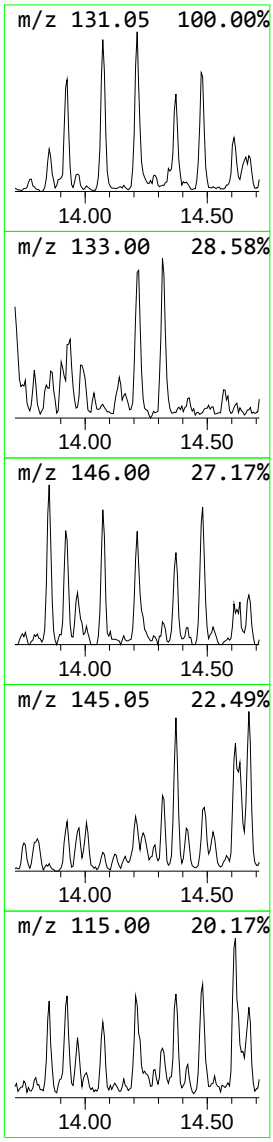
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.213	7.56 ug/l	67495	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	74
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	74
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	72
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	72
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64





Sample Results: **VX044937.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

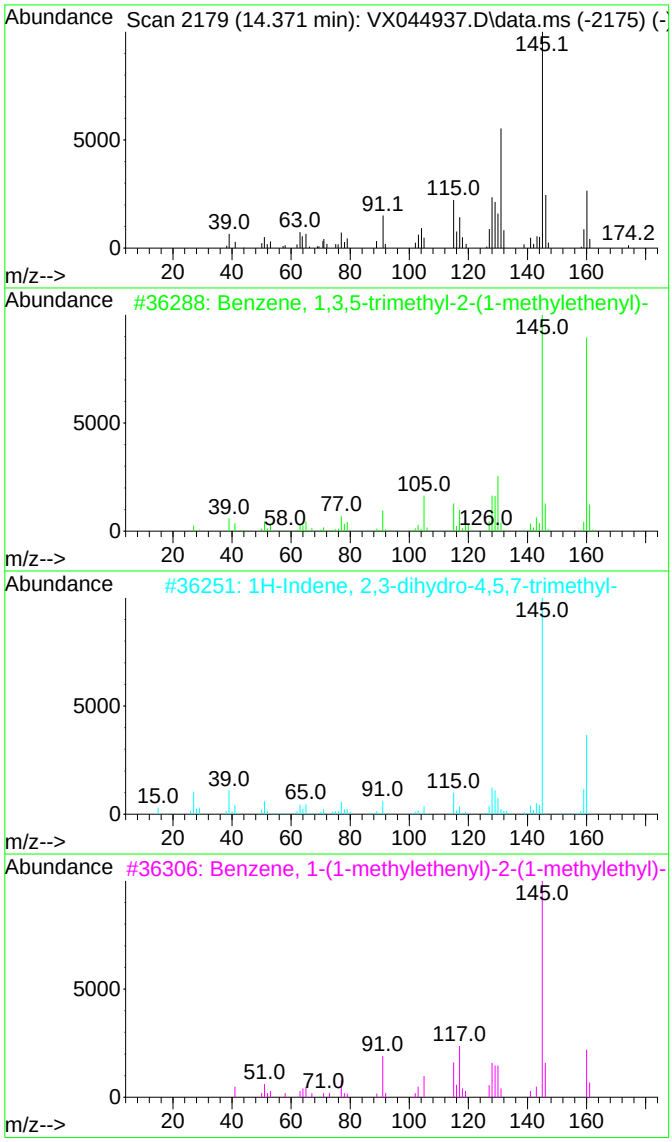
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

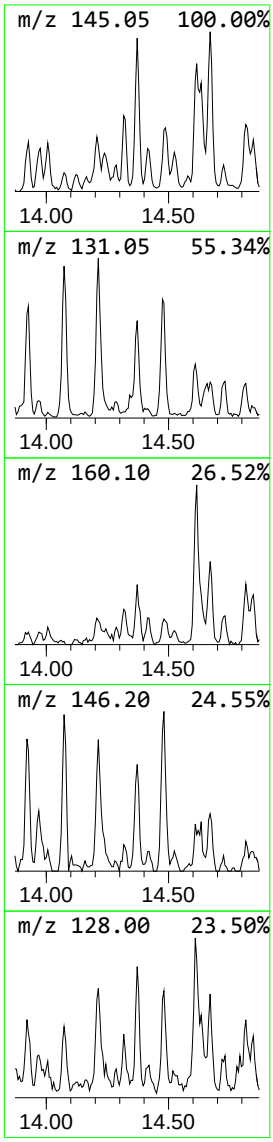
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.371	5.54 ug/l	49490	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
2	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	62
3	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	62
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	62
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

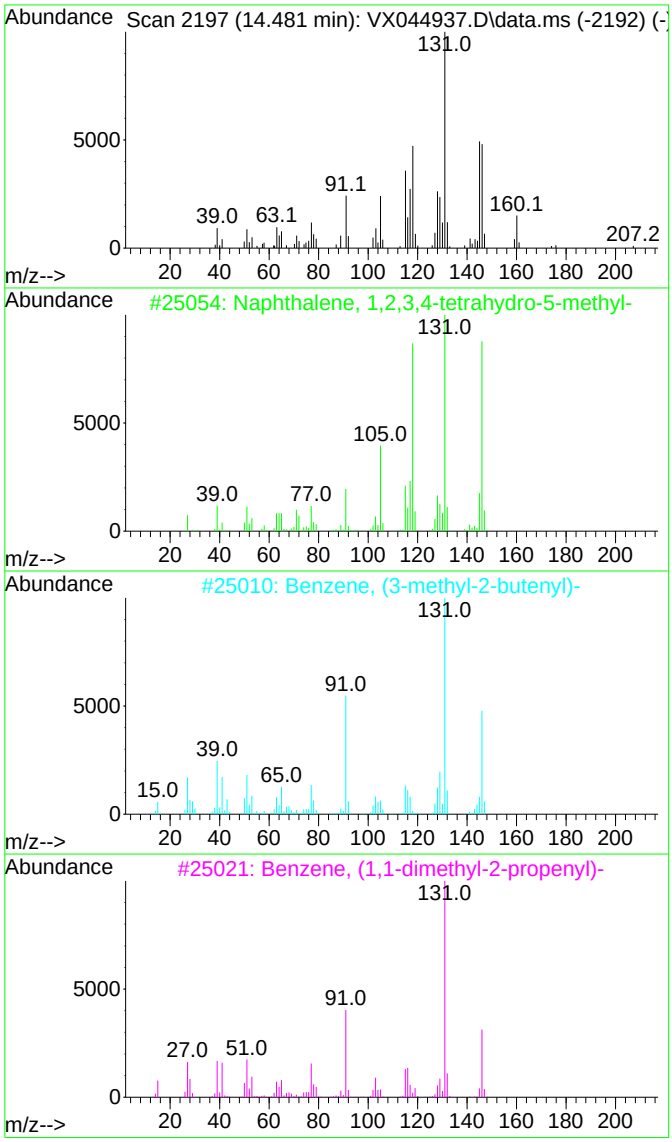
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

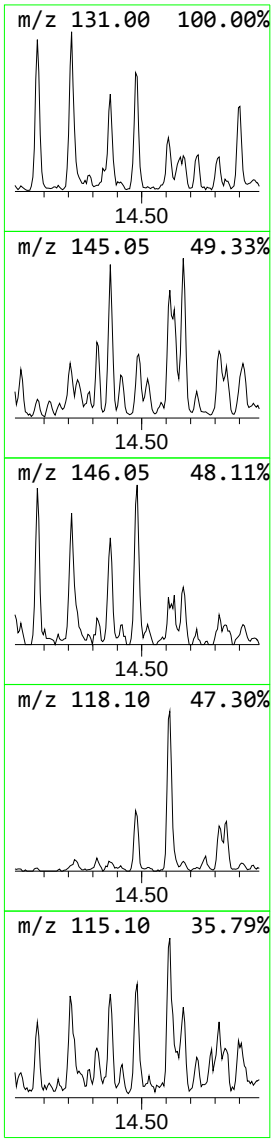
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.481	6.78 ug/l	60507	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	68
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	53
3	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	50
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	49
5	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

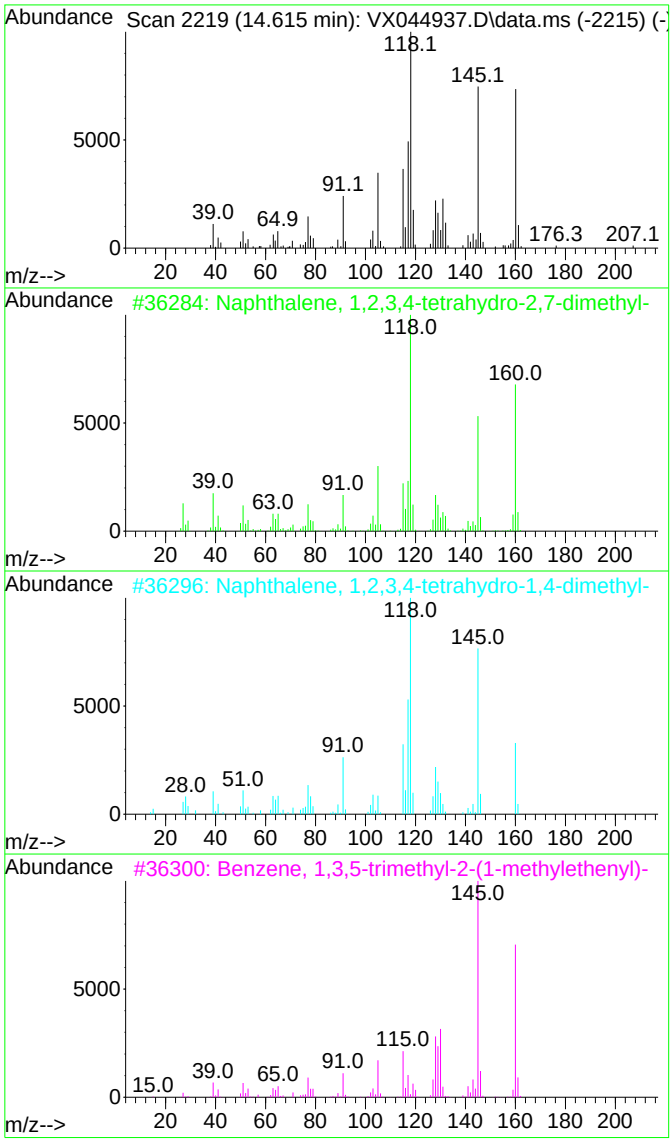
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

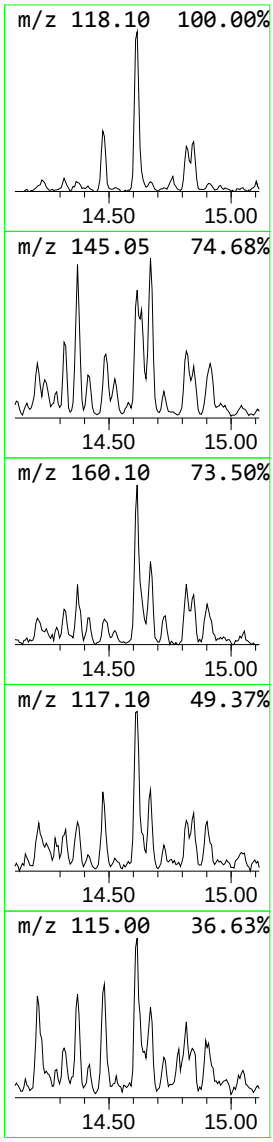
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.615	10.99 ug/l	98100	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	91
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	87
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	78
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	62
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	60





Sample Results: **VX044937.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

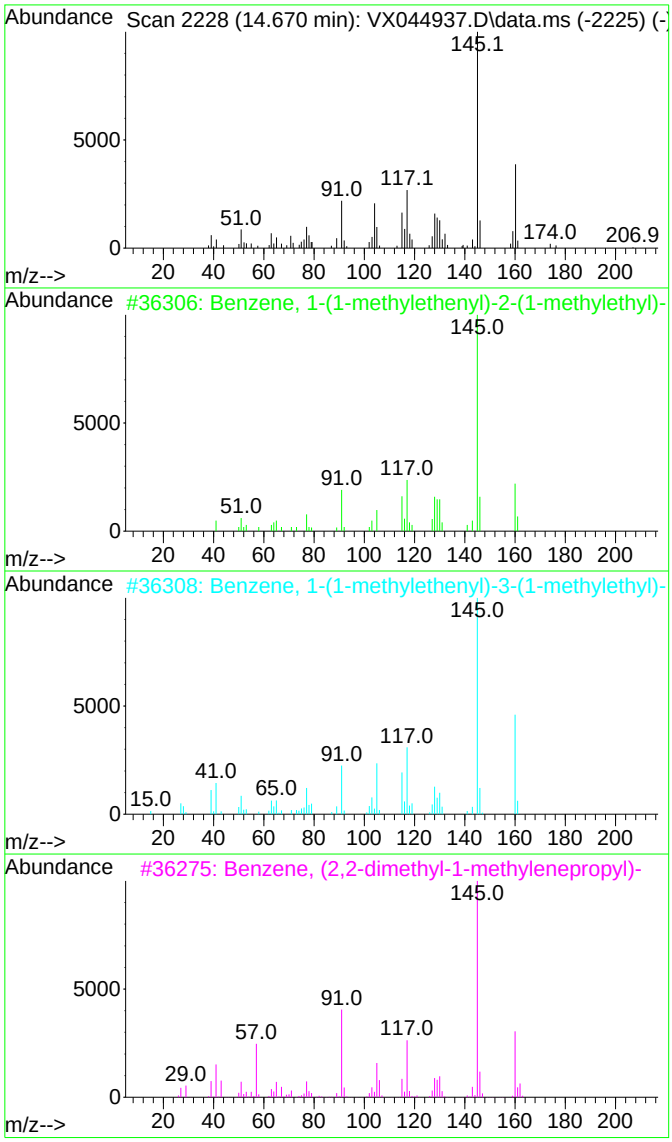
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

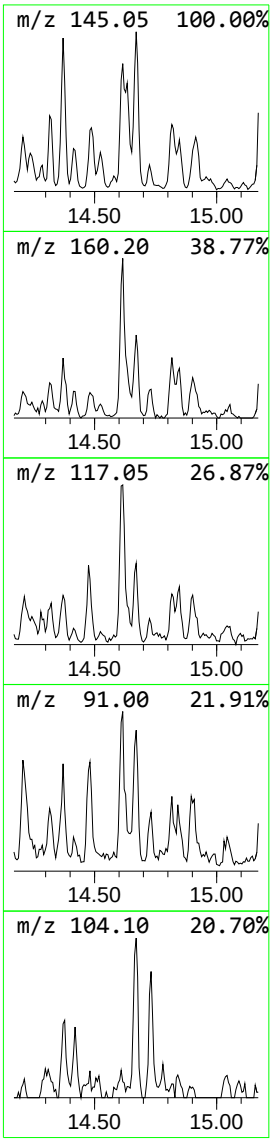
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-(1-methylethenyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.670	5.39 ug/l	48155	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	90
2	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	90
3	Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	83
4	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	80
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

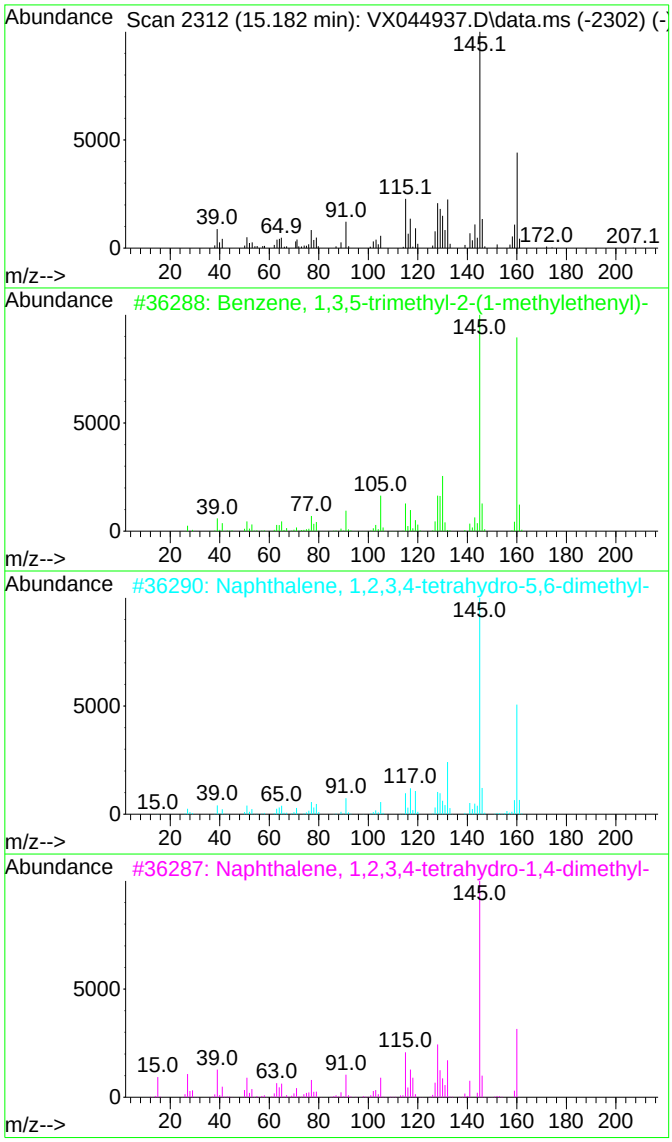
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

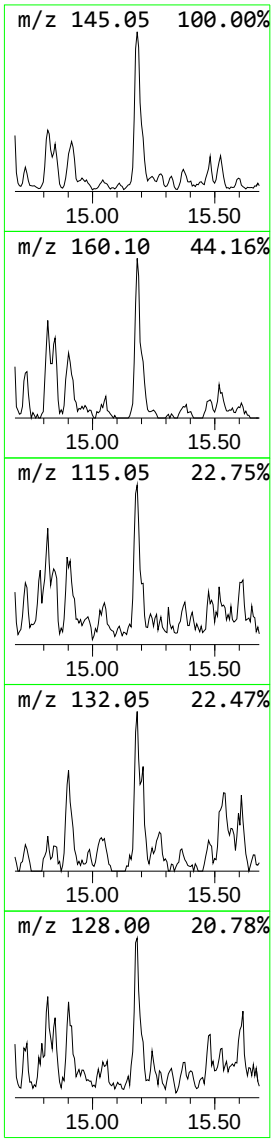
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.182	8.70 ug/l	77668	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	90
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	87
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	81
4	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	81
5	Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044937.D
Acq On : 12 Feb 2025 16:44
Operator : JC/MD
Sample : Q1355-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.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
Benzene, 1-ethy...	13.579	6.0	ug/l	53578	4	12.018	446389	50.0
Naphthalene, 1,...	13.853	6.0	ug/l	53204	4	12.018	446389	50.0
Benzene, (3-met...	13.926	6.2	ug/l	55601	4	12.018	446389	50.0
1H-Indene, 2,3-...	14.213	7.6	ug/l	67495	4	12.018	446389	50.0
Benzene, 1,3,5-...	14.371	5.5	ug/l	49490	4	12.018	446389	50.0
Naphthalene, 1,...	14.481	6.8	ug/l	60507	4	12.018	446389	50.0
Naphthalene, 1,...	14.615	11.0	ug/l	98100	4	12.018	446389	50.0
Benzene, 1-(1-m...	14.670	5.4	ug/l	48155	4	12.018	446389	50.0
Naphthalene, 1,...	15.182	8.7	ug/l	77668	4	12.018	446389	50.0

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:	02/11/25
Project:	Amsterdam	Date Received:	02/11/25
Client Sample ID:	MW2	SDG No.:	Q1355
Lab Sample ID:	Q1355-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044938.D	1		02/12/25 17:07	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	3.70	J	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.60		0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

Raw Data: **VX044938.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:	02/11/25
Project:	Amsterdam	Date Received:	02/11/25
Client Sample ID:	MW2	SDG No.:	Q1355
Lab Sample ID:	Q1355-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044938.D	1		02/12/25 17:07	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.6		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	85700	5.544			
540-36-3	1,4-Difluorobenzene	173000	6.757			
3114-55-4	Chlorobenzene-d5	156000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	62200	12.018			

Raw Data: **VX044938.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:	02/11/25
Project:	Amsterdam	Date Received:	02/11/25
Client Sample ID:	MW2	SDG No.:	Q1355
Lab Sample ID:	Q1355-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044938.D	1		02/12/25 17:07	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044938.D
Acq On : 12 Feb 2025 17:07
Operator : JC/MD
Sample : Q1355-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

Quant Time: Feb 13 00:52:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

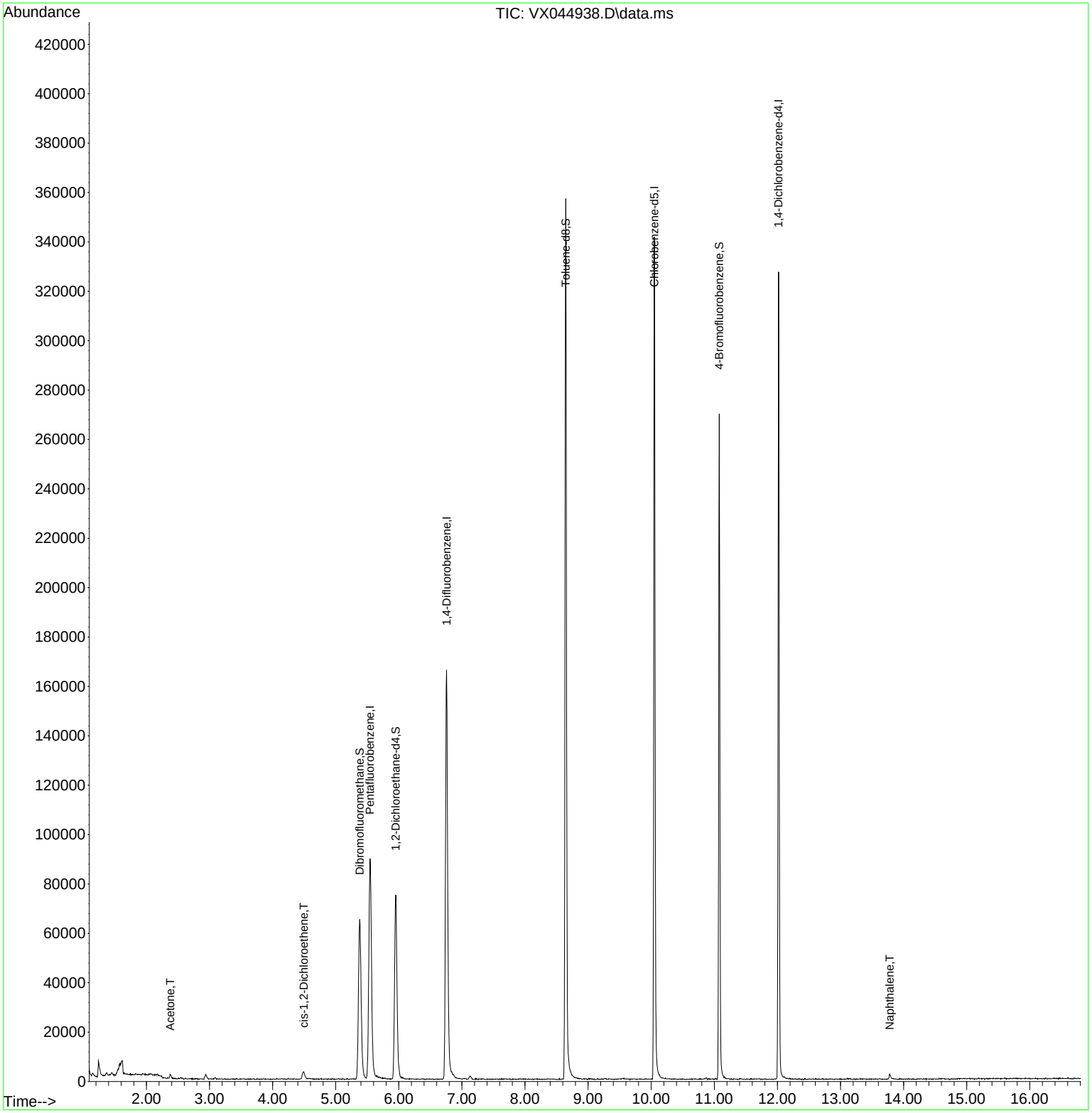
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	85678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	173415	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	155759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69720	55.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.180%			
35) Dibromofluoromethane	5.379	113	58379	51.778	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.560%			
50) Toluene-d8	8.647	98	216198	50.709	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.420%			
62) 4-Bromofluorobenzene	11.079	95	71446	49.708	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.420%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1848	3.665	ug/l #	76
27) cis-1,2-Dichloroethene	4.495	96	2073	1.588	ug/l	94
95) Naphthalene	13.780	128	2579	0.574	ug/l #	90

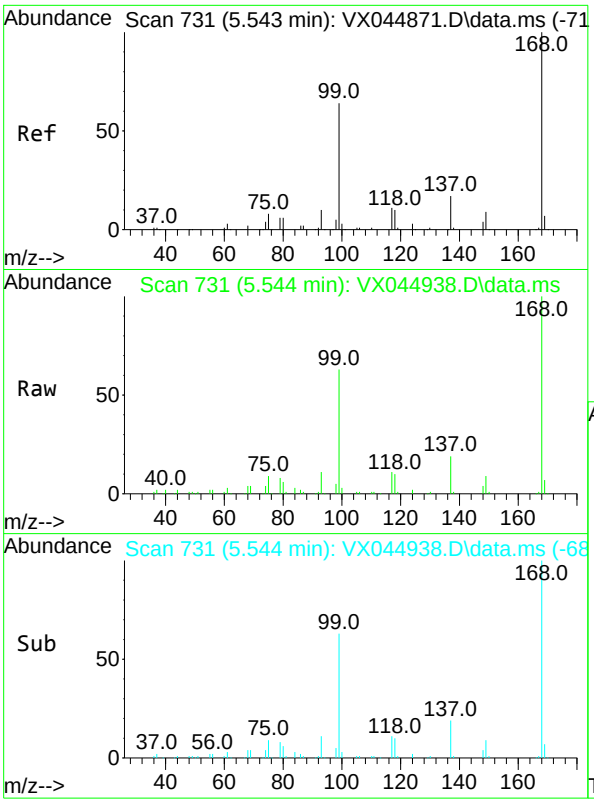
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044938.D
Acq On : 12 Feb 2025 17:07
Operator : JC/MD
Sample : Q1355-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

Quant Time: Feb 13 00:52:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



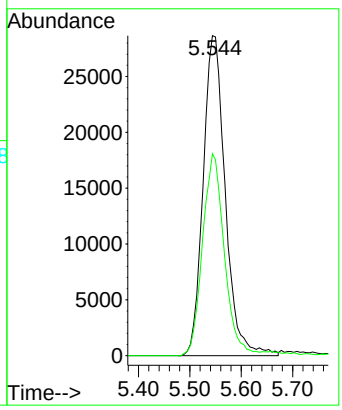


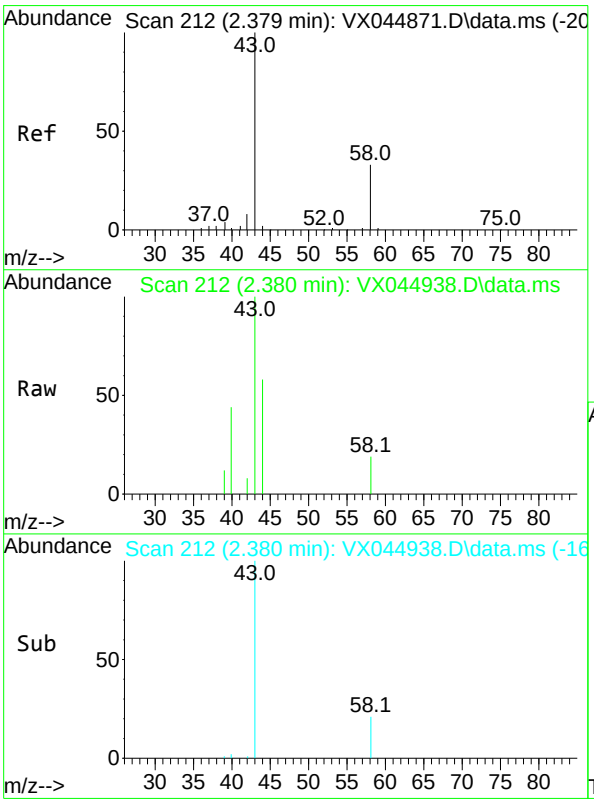
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044938.D
Acq: 12 Feb 2025 17:07

Instrument :
MSVOA_X
ClientSampleId :
MW2

Tgt Ion:168 Resp: 85678

Ion	Ratio	Lower	Upper
168	100		
99	63.1	51.2	76.8

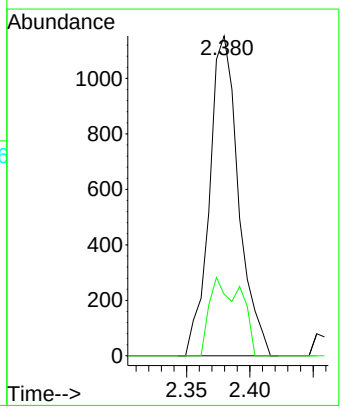


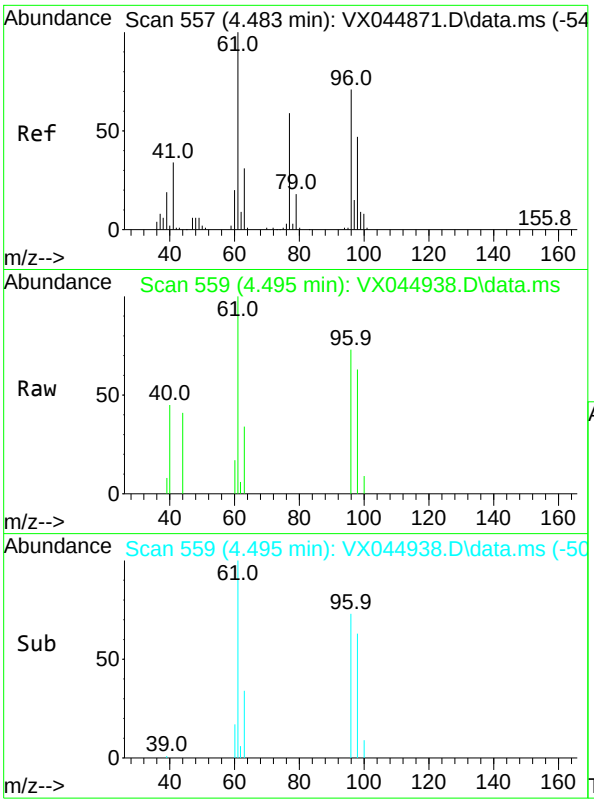


#16
Acetone
Concen: 3.665 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044938.D
Acq: 12 Feb 2025 17:07

Tgt Ion: 43 Resp: 1848

Ion	Ratio	Lower	Upper
43	100		
58	19.3	26.5	39.7#



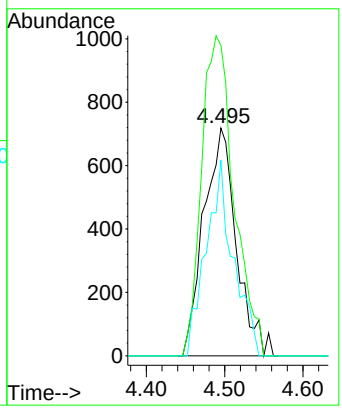


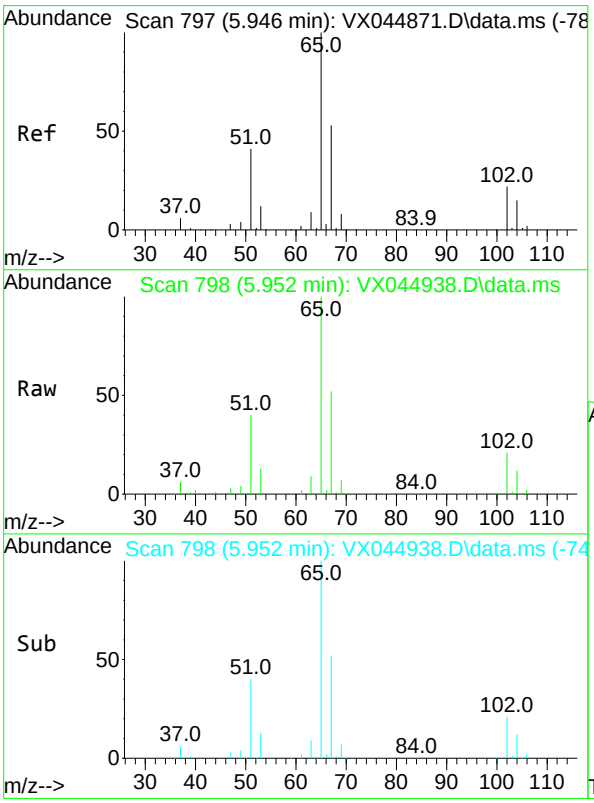
#27
cis-1,2-Dichloroethene
Concen: 1.588 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.013 min
Lab File: VX044938.D
Acq: 12 Feb 2025 17:07

Instrument :
MSVOA_X
ClientSampleId :
MW2

Tgt Ion: 96 Resp: 2073

Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	294.0
98	71.6	0.0	131.2

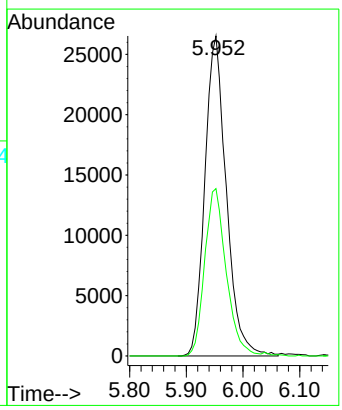


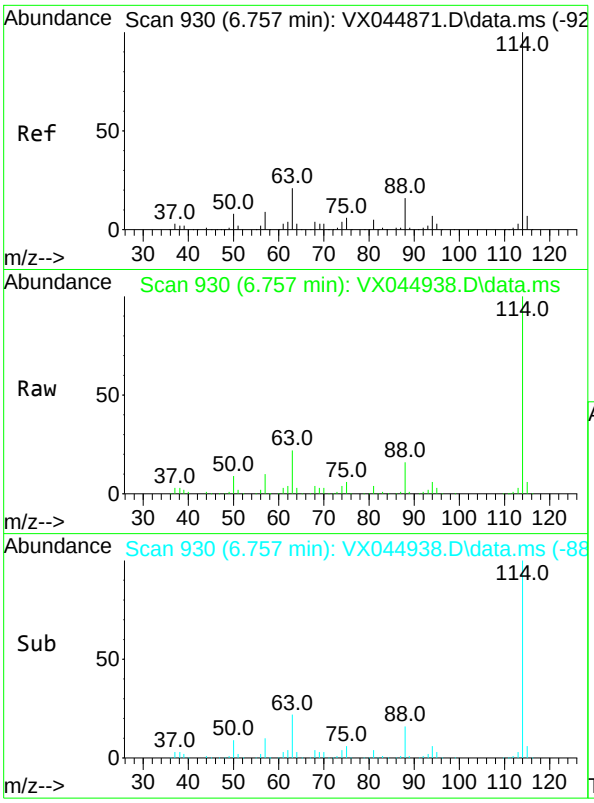


#33
1,2-Dichloroethane-d4
Concen: 55.590 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044938.D
Acq: 12 Feb 2025 17:07

Tgt Ion: 65 Resp: 69720

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	108.2



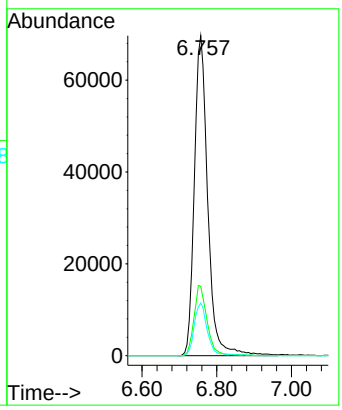


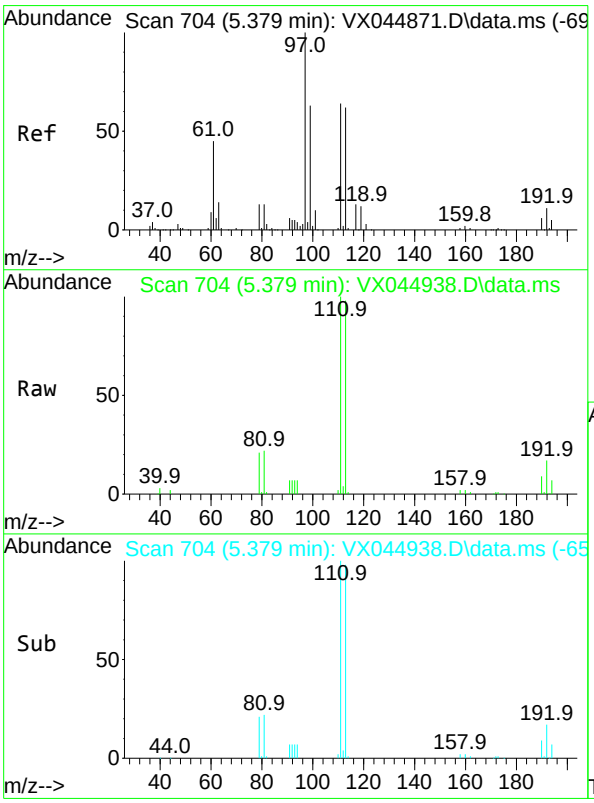
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044938.D
Acq: 12 Feb 2025 17:07

Instrument :
MSVOA_X
ClientSampleId :
MW2

Tgt Ion:114 Resp: 173415

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	42.4
88	16.4	0.0	31.4

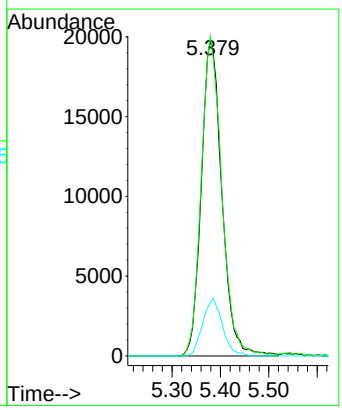


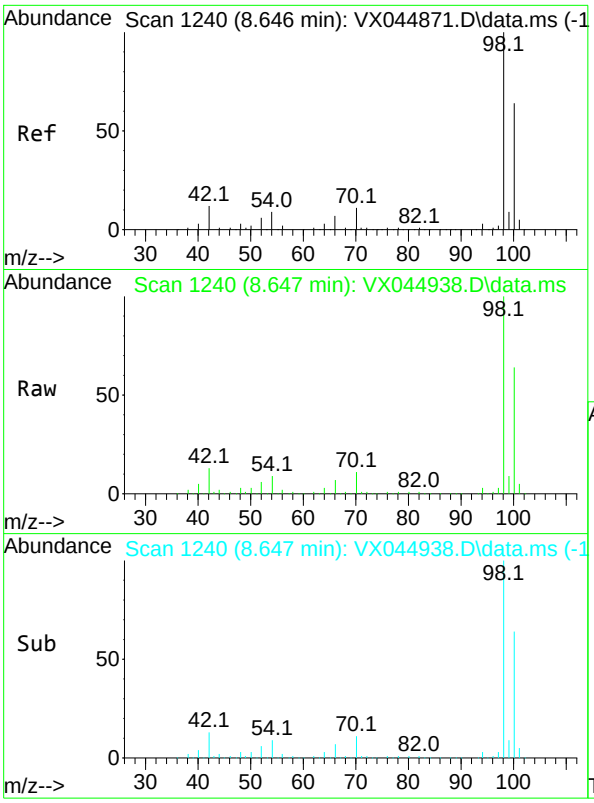


#35
Dibromofluoromethane
Concen: 51.778 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044938.D
Acq: 12 Feb 2025 17:07

Tgt Ion:113 Resp: 58379

Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.5	125.3
192	17.5	14.4	21.6



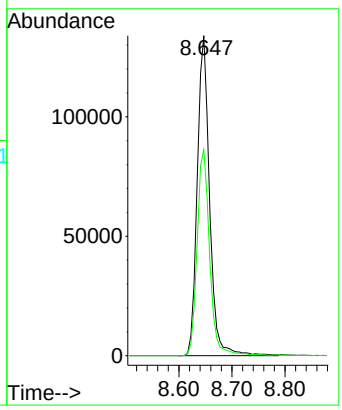


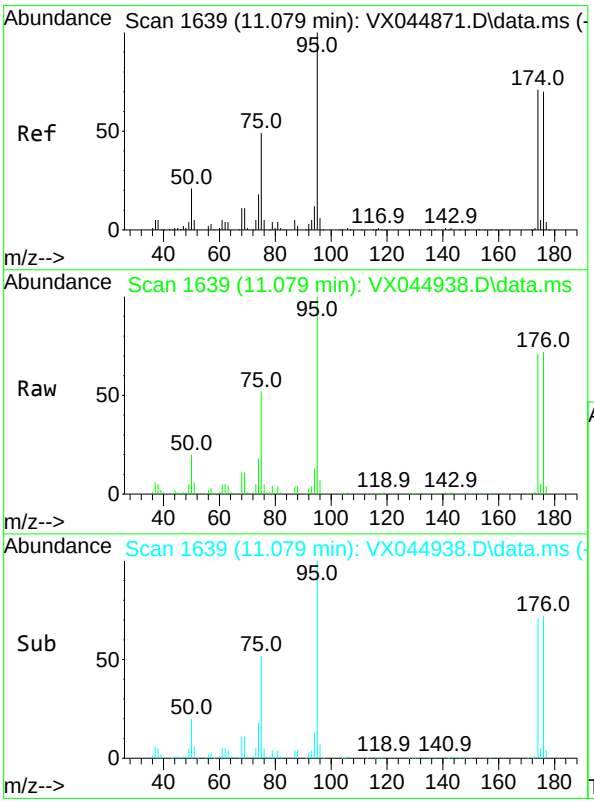
#50
Toluene-d8
Concen: 50.709 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044938.D
Acq: 12 Feb 2025 17:07

Instrument :
MSVOA_X
ClientSampleId :
MW2

Tgt Ion: 98 Resp: 216198

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1

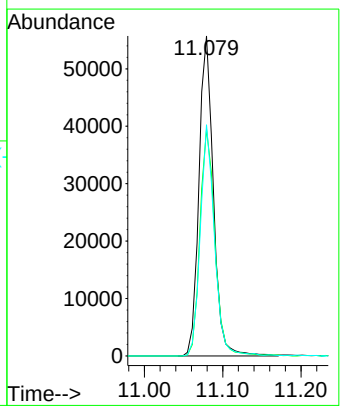


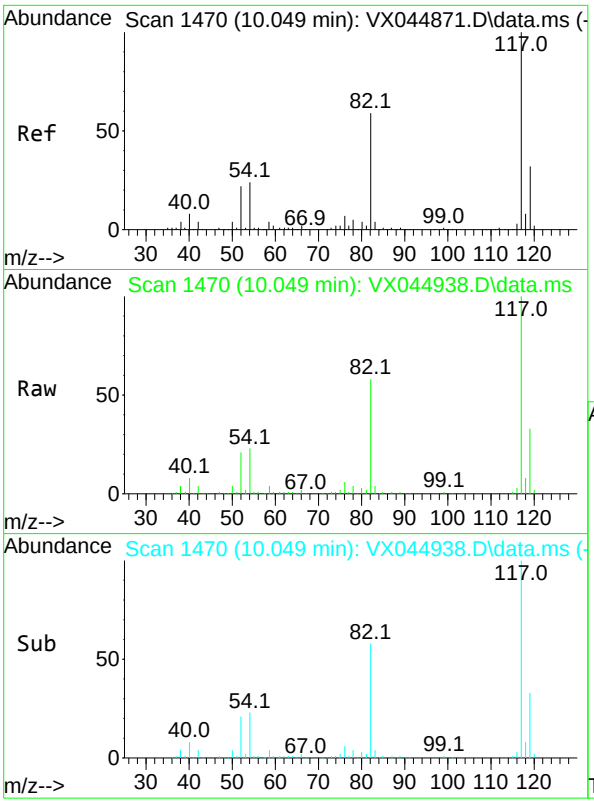


#62
4-Bromofluorobenzene
Concen: 49.708 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044938.D
Acq: 12 Feb 2025 17:07

Tgt Ion: 95 Resp: 71446

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	142.6
176	71.0	0.0	141.6



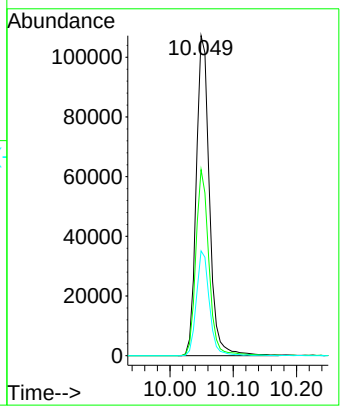


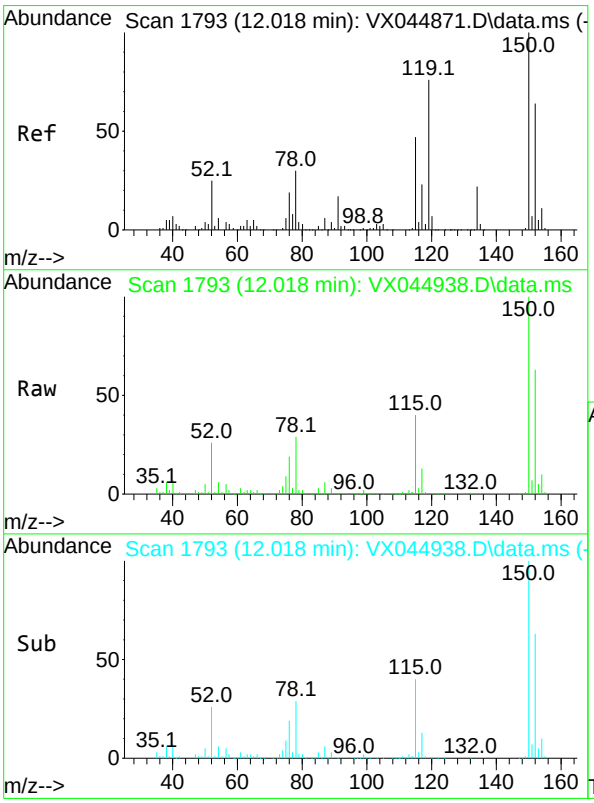
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044938.D
Acq: 12 Feb 2025 17:07

Instrument :
MSVOA_X
ClientSampleId :
MW2

Tgt Ion:117 Resp: 155759

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.5	71.3
119	32.7	25.4	38.0

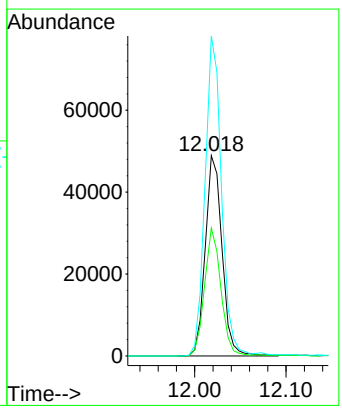


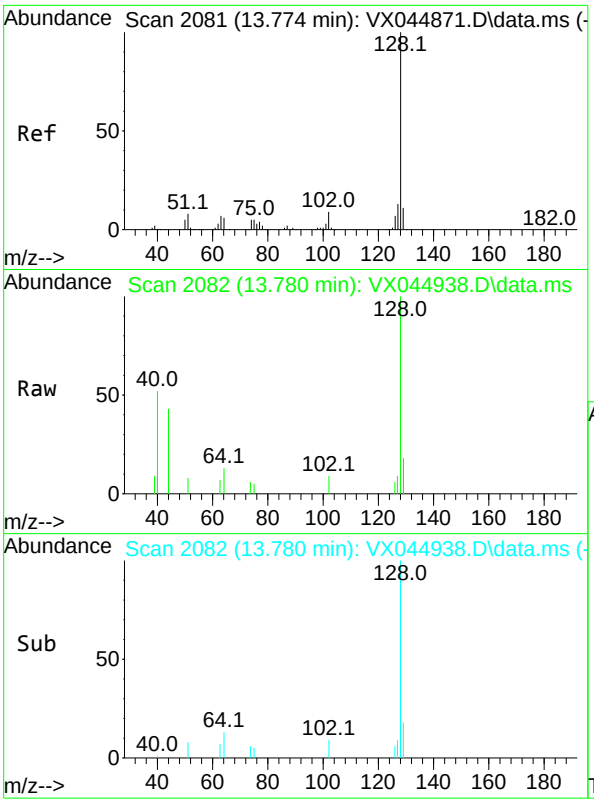


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044938.D
Acq: 12 Feb 2025 17:07

Tgt Ion:152 Resp: 62222

Ion	Ratio	Lower	Upper
152	100		
115	62.6	43.4	130.1
150	158.0	0.0	350.4



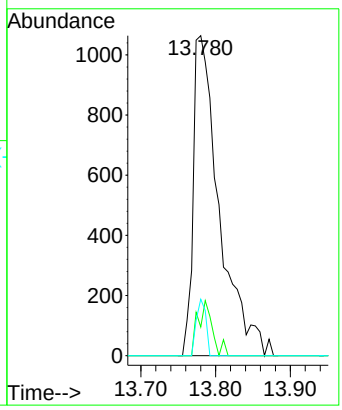


#95
Naphthalene
Concen: 0.574 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044938.D
Acq: 12 Feb 2025 17:07

Instrument :
MSVOA_X
ClientSampleId :
MW2

Tgt Ion:128 Resp: 2579

Ion	Ratio	Lower	Upper
128	100		
127	9.5	10.1	15.1#
129	6.5	8.9	13.3#



Sample Results: **VX044938.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044938.D
Acq On : 12 Feb 2025 17:07
Operator : JC/MD
Sample : Q1355-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260

Signal : TIC: VX044938.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	34	rBV2	6478	12411	2.15%	0.425%
2	1.575	70	80	81	rBV4	4756	10333	1.79%	0.354%
3	1.618	83	87	90	rVB6	5471	9382	1.62%	0.321%
4	4.489	548	558	568	rBV3	3016	8629	1.49%	0.295%
5	5.379	694	704	721	rBV2	64735	191545	33.12%	6.558%
6	5.544	721	731	746	rBV	88920	260322	45.01%	8.913%
7	5.952	789	798	813	rBV	74529	198432	34.31%	6.794%
8	6.757	921	930	954	rBV	165678	409269	70.76%	14.012%
9	8.647	1233	1240	1255	rBV	356585	578400	100.00%	19.803%
10	10.049	1465	1470	1489	rBV	341140	492476	85.14%	16.861%
11	11.079	1634	1639	1651	rBV	269361	347983	60.16%	11.914%
12	12.018	1788	1793	1806	rBV	326791	401623	69.44%	13.750%

Sum of corrected areas: 2920805

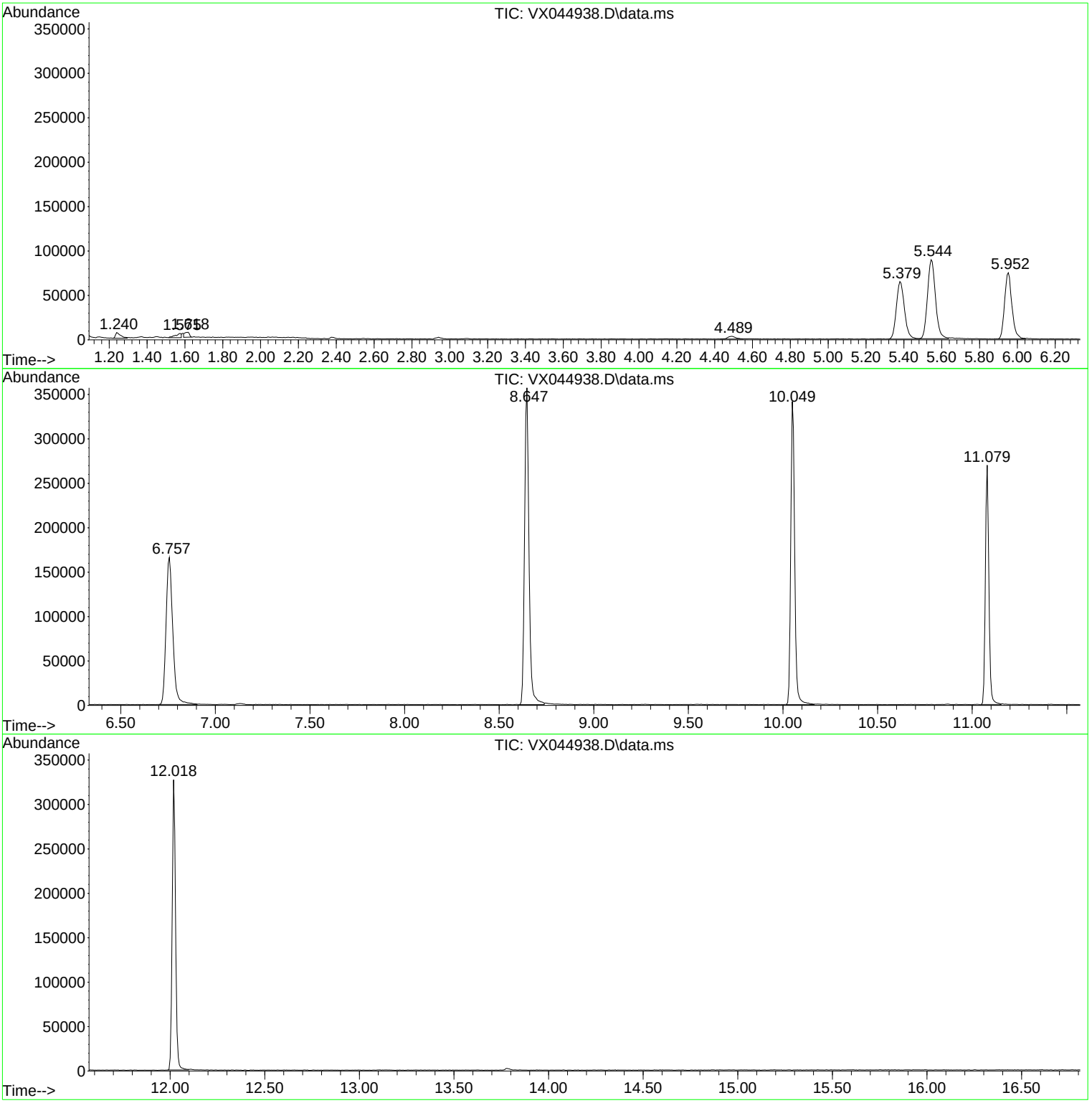
Sample Results: **VX044938.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044938.D
Acq On : 12 Feb 2025 17:07
Operator : JC/MD
Sample : Q1355-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX044938.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044938.D
Acq On : 12 Feb 2025 17:07
Operator : JC/MD
Sample : Q1355-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044938.D
Acq On : 12 Feb 2025 17:07
Operator : JC/MD
Sample : Q1355-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1355 SAS No.: Q1355 SDG No.: Q1355

Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28

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

LAB FILE ID: RRF001 = VX044868.D RRF005 = VX044869.D RRF020 = VX044870.D
RRF050 = VX044871.D RRF100 = VX044872.D RRF150 = VX044873.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.723	0.669	0.716	0.700	0.706	0.693	0.701	2.7
Chloromethane	0.958	0.860	0.862	0.843	0.805	0.793	0.854	6.9
Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.3
Bromomethane		0.248	0.252	0.249	0.242	0.246	0.247	1.4
Chloroethane	0.500	0.288	0.280	0.341	0.249	0.181	0.307	35.4
Trichlorofluoromethane	1.062	1.066	1.096	1.029	1.013	1.008	1.046	3.3
1,1,2-Trichlorotrifluoroethane	0.583	0.647	0.668	0.626	0.631	0.637	0.632	4.5
Tert butyl alcohol		0.148	0.138	0.136	0.128	0.129	0.136	5.9
1,1-Dichloroethene	0.647	0.639	0.661	0.630	0.632	0.657	0.644	2
Acetone	0.305	0.292	0.298	0.293	0.285	0.292	0.294	2.3
Carbon Disulfide	1.689	1.732	1.786	1.762	1.789	1.846	1.767	3
Methyl tert-butyl Ether	1.941	2.065	2.130	2.046	2.011	2.110	2.050	3.4
Methyl Acetate	0.882	0.901	0.926	0.946	0.922	0.995	0.928	4.2
Methylene Chloride	0.747	0.717	0.741	0.704	0.695	0.720	0.721	2.8
trans-1,2-Dichloroethene	0.608	0.622	0.657	0.640	0.633	0.644	0.634	2.7
1,1-Dichloroethane	1.155	1.257	1.292	1.227	1.209	1.257	1.233	3.9
Cyclohexane		1.154	1.174	1.121	1.107	1.127	1.137	2.4
2-Butanone	0.422	0.472	0.504	0.506	0.477	0.487	0.478	6.4
Carbon Tetrachloride	0.457	0.466	0.478	0.453	0.445	0.459	0.460	2.4
cis-1,2-Dichloroethene	0.680	0.783	0.812	0.758	0.758	0.779	0.762	5.9
Bromochloromethane	0.634	0.579	0.607	0.584	0.572	0.579	0.593	4
Chloroform	1.167	1.209	1.268	1.169	1.153	1.208	1.196	3.5
1,1,1-Trichloroethane	1.014	1.003	1.051	1.005	0.984	1.028	1.014	2.3
Methylcyclohexane	0.509	0.571	0.667	0.622	0.634	0.635	0.606	9.4
Benzene	1.370	1.488	1.577	1.470	1.429	1.453	1.465	4.7
1,2-Dichloroethane	0.417	0.465	0.502	0.472	0.462	0.482	0.467	6.1
Trichloroethene	0.293	0.340	0.367	0.335	0.332	0.343	0.335	7.2
1,2-Dichloropropane	0.343	0.354	0.389	0.367	0.360	0.372	0.364	4.3
Bromodichloromethane	0.428	0.481	0.514	0.500	0.500	0.513	0.489	6.6
4-Methyl-2-Pentanone	0.439	0.514	0.562	0.554	0.506	0.498	0.512	8.6

* 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.: Q1355 SAS No.: Q1355 SDG No.: Q1355

Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28

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

LAB FILE ID: RRF001 = VX044868.D RRF005 = VX044869.D RRF020 = VX044870.D
RRF050 = VX044871.D RRF100 = VX044872.D RRF150 = VX044873.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.776	0.872	0.957	0.898	0.866	0.864	0.872	6.7
t-1,3-Dichloropropene	0.417	0.451	0.518	0.514	0.528	0.543	0.495	10
cis-1,3-Dichloropropene	0.452	0.511	0.587	0.577	0.587	0.599	0.552	10.5
1,1,2-Trichloroethane	0.307	0.342	0.362	0.341	0.331	0.329	0.335	5.4
2-Hexanone	0.313	0.360	0.406	0.404	0.369	0.362	0.369	9.3
Dibromochloromethane	0.317	0.342	0.381	0.373	0.368	0.370	0.359	6.7
1,2-Dibromoethane	0.302	0.330	0.367	0.350	0.345	0.345	0.340	6.5
Tetrachloroethene	0.306	0.311	0.343	0.310	0.307	0.314	0.315	4.4
Chlorobenzene	0.969	1.093	1.140	1.096	1.071	1.076	1.074	5.3
Ethyl Benzene	1.690	1.873	2.021	1.935	1.923	1.929	1.895	5.9
m/p-Xylenes	0.616	0.700	0.754	0.724	0.706	0.694	0.699	6.6
o-Xylene	0.661	0.721	0.747	0.707	0.691	0.681	0.701	4.4
Styrene	0.909	1.124	1.249	1.199	1.161	1.139	1.130	10.4
Bromoform	0.186	0.247	0.272	0.280	0.276	0.287	0.258	14.7
Isopropylbenzene	3.735	4.012	4.347	4.045	3.940	4.076	4.026	4.9
1,1,2,2-Tetrachloroethane	1.429	1.403	1.438	1.366	1.305	1.360	1.383	3.6
1,3-Dichlorobenzene	1.616	1.669	1.741	1.679	1.663	1.703	1.678	2.5
1,4-Dichlorobenzene	1.662	1.712	1.762	1.686	1.660	1.701	1.697	2.2
1,2-Dichlorobenzene	1.512	1.713	1.763	1.666	1.604	1.639	1.650	5.3
1,2-Dibromo-3-Chloropropane	0.202	0.236	0.268	0.258	0.261	0.289	0.252	11.9
1,2,4-Trichlorobenzene	0.860	0.934	1.013	1.013	1.057	1.112	0.998	9
1,2,3-Trichlorobenzene	0.858	0.952	1.042	1.031	1.043	1.109	1.006	8.7
1,2-Dichloroethane-d4		0.764	0.718	0.723	0.707	0.747	0.732	3.2
Dibromofluoromethane		0.335	0.322	0.320	0.320	0.328	0.325	2
Toluene-d8		1.239	1.249	1.239	1.208	1.212	1.229	1.5
4-Bromofluorobenzene		0.404	0.410	0.431	0.415	0.412	0.414	2.5

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025
Response Via : Initial Calibration

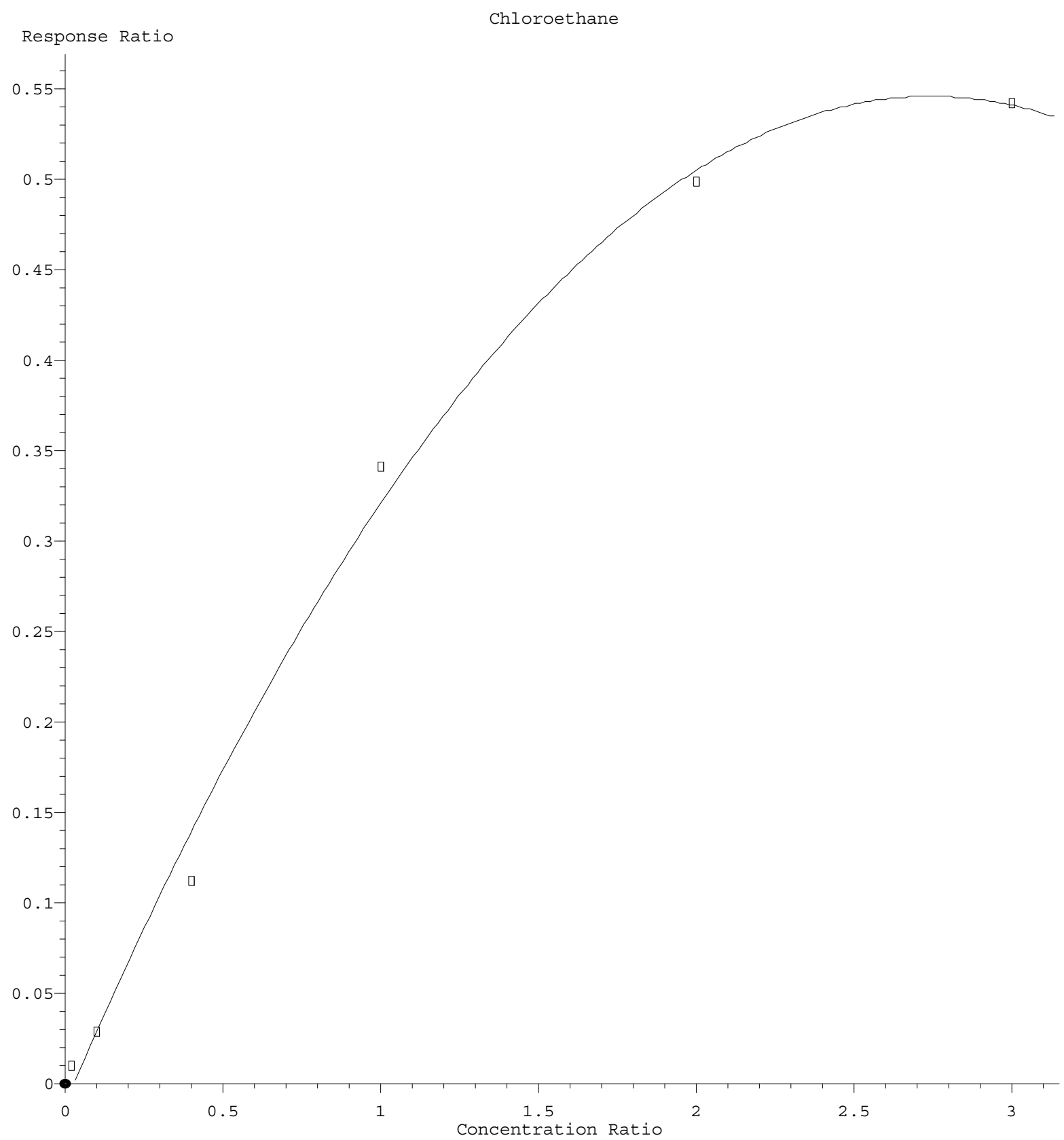
Calibration Files
1 =VX044868.D 5 =VX044869.D 20 =VX044870.D 50 =VX044871.D 100 =VX044872.D 150 =VX044873.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.723	0.669	0.716	0.700	0.706	0.693	0.701	2.71
3)	P	Chloromethane	0.958	0.860	0.862	0.843	0.805	0.793	0.854	6.89
4)	C	Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.33#
5)	T	Bromomethane		0.248	0.252	0.249	0.242	0.246	0.247	1.44
6)	T	Chloroethane	0.500	0.288	0.280	0.341	0.249	0.181	0.307	35.36
7)	T	Trichlorofluor...	1.062	1.066	1.096	1.029	1.013	1.008	1.046	3.32
8)	T	Diethyl Ether	0.385	0.372	0.399	0.375	0.370	0.374	0.379	2.94
9)	T	1,1,2-Trichlor...	0.583	0.647	0.668	0.626	0.631	0.637	0.632	4.45
10)	T	Methyl Iodide		0.752	0.864	0.847	0.819	0.813	0.819	5.22
11)	T	Tert butyl alc...		0.148	0.138	0.136	0.128	0.129	0.136	5.92
12)	CM	1,1-Dichloroet...	0.647	0.639	0.661	0.630	0.632	0.657	0.644	2.04#
13)	T	Acrolein		0.143	0.131	0.141	0.139	0.145	0.140	3.99
14)	T	Allyl chloride	1.179	1.150	1.187	1.157	1.149	1.167	1.165	1.36
15)	T	Acrylonitrile	0.337	0.354	0.380	0.379	0.360	0.364	0.363	4.41
16)	T	Acetone	0.305	0.292	0.298	0.293	0.285	0.292	0.294	2.26
17)	T	Carbon Disulfide	1.689	1.732	1.786	1.762	1.789	1.846	1.767	3.04
18)	T	Methyl Acetate	0.882	0.901	0.926	0.946	0.922	0.995	0.928	4.22
19)	T	Methyl tert-bu...	1.941	2.065	2.130	2.046	2.011	2.110	2.050	3.36
20)	T	Methylene Chlo...	0.747	0.717	0.741	0.704	0.695	0.720	0.721	2.82
21)	T	trans-1,2-Dich...	0.608	0.622	0.657	0.640	0.633	0.644	0.634	2.74
22)	T	Diisopropyl ether	2.049	2.187	2.322	2.245	2.185	2.233	2.203	4.12
23)	T	Vinyl Acetate	1.540	1.750	1.892	1.860	1.843	1.892	1.796	7.56
24)	P	1,1-Dichloroet...	1.155	1.257	1.292	1.227	1.209	1.257	1.233	3.86
25)	T	2-Butanone	0.422	0.472	0.504	0.506	0.477	0.487	0.478	6.40
26)	T	2,2-Dichloropr...	0.957	0.982	1.000	0.952	0.959	1.017	0.978	2.71
27)	T	cis-1,2-Dichlo...	0.680	0.783	0.812	0.758	0.758	0.779	0.762	5.87
28)	T	Bromochloromet...	0.634	0.579	0.607	0.584	0.572	0.579	0.593	4.04
29)	T	Tetrahydrofuran	0.299	0.310	0.335	0.329	0.313	0.317	0.317	4.13
30)	C	Chloroform	1.167	1.209	1.268	1.169	1.153	1.208	1.196	3.53#
31)	T	Cyclohexane		1.154	1.174	1.121	1.107	1.127	1.137	2.35
32)	T	1,1,1-Trichlor...	1.014	1.003	1.051	1.005	0.984	1.028	1.014	2.26
33)	S	1,2-Dichloroet...		0.764	0.718	0.723	0.707	0.747	0.732	3.17
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.335	0.322	0.320	0.320	0.328	0.325	1.98
36)	T	1,1-Dichloropr...	0.472	0.467	0.490	0.463	0.457	0.465	0.469	2.47
37)	T	Ethyl Acetate	0.477	0.534	0.546	0.527	0.516	0.528	0.522	4.57
38)	T	Carbon Tetrach...	0.457	0.466	0.478	0.453	0.445	0.459	0.460	2.44
39)	T	Methylcyclohexane	0.509	0.571	0.667	0.622	0.634	0.635	0.606	9.36
40)	TM	Benzene	1.370	1.488	1.577	1.470	1.429	1.453	1.465	4.69
41)	T	Methacrylonitrile	0.237	0.262	0.292	0.302	0.287	0.295	0.279	8.84
42)	TM	1,2-Dichloroet...	0.417	0.465	0.502	0.472	0.462	0.482	0.467	6.08
43)	T	Isopropyl Acetate	0.755	0.782	0.899	0.876	0.858	0.885	0.842	7.05
44)	TM	Trichloroethene	0.293	0.340	0.367	0.335	0.332	0.343	0.335	7.20
45)	C	1,2-Dichloropr...	0.343	0.354	0.389	0.367	0.360	0.372	0.364	4.32#
46)	T	Dibromomethane	0.236	0.245	0.270	0.255	0.252	0.258	0.253	4.48
47)	T	Bromodichlorom...	0.428	0.481	0.514	0.500	0.500	0.513	0.489	6.60
48)	T	Methyl methacr...	0.330	0.367	0.424	0.421	0.414	0.427	0.397	10.05
49)	T	1,4-Dioxane	0.009	0.009	0.009	0.009	0.008	0.008	0.009	6.54
50)	S	Toluene-d8		1.239	1.249	1.239	1.208	1.212	1.229	1.49
51)	T	4-Methyl-2-Pen...	0.439	0.514	0.562	0.554	0.506	0.498	0.512	8.61
52)	CM	Toluene	0.776	0.872	0.957	0.898	0.866	0.864	0.872	6.74#
53)	T	t-1,3-Dichloro...	0.417	0.451	0.518	0.514	0.528	0.543	0.495	10.04
54)	T	cis-1,3-Dichlo...	0.452	0.511	0.587	0.577	0.587	0.599	0.552	10.49
55)	T	1,1,2-Trichlor...	0.307	0.342	0.362	0.341	0.331	0.329	0.335	5.44
56)	T	Ethyl methacry...	0.462	0.488	0.583	0.577	0.568	0.571	0.542	9.74

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X021025W.M

57)	T	1,3-Dichloropr...	0.531	0.586	0.641	0.605	0.579	0.578	0.587	6.13
58)	T	2-Chloroethyl ...	0.213	0.249	0.284	0.288	0.281	0.281	0.266	11.18
59)	T	2-Hexanone	0.313	0.360	0.406	0.404	0.369	0.362	0.369	9.31
60)	T	Dibromochlorom...	0.317	0.342	0.381	0.373	0.368	0.370	0.359	6.71
61)	T	1,2-Dibromoethane	0.302	0.330	0.367	0.350	0.345	0.345	0.340	6.55
62)	S	4-Bromofluorob...		0.404	0.410	0.431	0.415	0.412	0.414	2.47
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.306	0.311	0.343	0.310	0.307	0.314	0.315	4.43
65)	PM	Chlorobenzene	0.969	1.093	1.140	1.096	1.071	1.076	1.074	5.32
66)	T	1,1,1,2-Tetrac...	0.302	0.338	0.365	0.354	0.355	0.360	0.346	6.76
67)	C	Ethyl Benzene	1.690	1.873	2.021	1.935	1.923	1.929	1.895	5.87#
68)	T	m/p-Xylenes	0.616	0.700	0.754	0.724	0.706	0.694	0.699	6.58
69)	T	o-Xylene	0.661	0.721	0.747	0.707	0.691	0.681	0.701	4.36
70)	T	Styrene	0.909	1.124	1.249	1.199	1.161	1.139	1.130	10.38
71)	P	Bromoform	0.186	0.247	0.272	0.280	0.276	0.287	0.258	14.69
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.735	4.012	4.347	4.045	3.940	4.076	4.026	4.95
74)	T	N-amyl acetate	1.431	1.744	1.915	1.902	1.889	2.051	1.822	11.80
75)	P	1,1,2,2-Tetrac...	1.429	1.403	1.438	1.366	1.305	1.360	1.383	3.61
76)	T	1,2,3-Trichlor...	1.046	1.153	1.141	1.106	1.085	1.120	1.109	3.53
77)	T	Bromobenzene	0.847	0.920	0.978	0.911	0.897	0.923	0.913	4.65
78)	T	n-propylbenzene	4.049	4.600	4.974	4.723	4.699	4.837	4.647	6.88
79)	T	2-Chlorotoluene	2.859	2.860	3.034	2.842	2.720	2.820	2.856	3.56
80)	T	1,3,5-Trimethy...	2.981	3.326	3.543	3.319	3.201	3.233	3.267	5.64
81)	T	trans-1,4-Dich...		0.346	0.417	0.437	0.457	0.498	0.431	13.01
82)	T	4-Chlorotoluene	2.958	3.156	3.320	3.193	3.116	3.214	3.160	3.81
83)	T	tert-Butylbenzene	3.097	3.350	3.539	3.312	3.236	3.296	3.305	4.38
84)	T	1,2,4-Trimethy...	2.687	3.252	3.535	3.359	3.220	3.295	3.225	8.87
85)	T	sec-Butylbenzene	3.692	4.025	4.421	4.146	4.102	4.169	4.093	5.80
86)	T	p-Isopropyltol...	2.844	3.229	3.546	3.402	3.325	3.401	3.291	7.37
87)	T	1,3-Dichlorobe...	1.616	1.669	1.741	1.679	1.663	1.703	1.678	2.49
88)	T	1,4-Dichlorobe...	1.662	1.712	1.762	1.686	1.660	1.701	1.697	2.22
89)	T	n-Butylbenzene	2.138	2.696	3.087	3.105	3.194	3.251	2.912	14.63
90)	T	Hexachloroethane	0.533	0.589	0.629	0.615	0.643	0.689	0.616	8.53
91)	T	1,2-Dichlorobe...	1.512	1.713	1.763	1.666	1.604	1.639	1.650	5.30
92)	T	1,2-Dibromo-3-...	0.202	0.236	0.268	0.258	0.261	0.289	0.252	11.87
93)	T	1,2,4-Trichlor...	0.860	0.934	1.013	1.013	1.057	1.112	0.998	8.98
94)	T	Hexachlorobuta...	0.383	0.376	0.416	0.383	0.408	0.411	0.396	4.36
95)	T	Naphthalene	2.824	3.432	3.879	3.752	3.771	3.991	3.608	11.84
96)	T	1,2,3-Trichlor...	0.858	0.952	1.042	1.031	1.043	1.109	1.006	8.75

(#) = Out of Range



R = -7.391e-002 A*A + 4.057e-001 A - 1.083e-002
Coef of Det (r^2) = 0.995138 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X021025W.M
Calibration Table Last Updated: Tue Feb 11 03:41:08 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	134134	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	254149	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	218570	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90733	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	1939m	1.031	ug/l		
3) Chloromethane	1.307	50	2571	1.123	ug/l		94
4) Vinyl Chloride	1.374	62	2252	1.015	ug/l		96
6) Chloroethane	1.666	64	1341	2.592	ug/l		91
7) Trichlorofluoromethane	1.874	101	2849	1.016	ug/l		88
8) Diethyl Ether	2.130	74	1032	1.014	ug/l	#	37
9) 1,1,2-Trichlorotrifluo...	2.325	101	1564	0.923	ug/l	#	88
12) 1,1-Dichloroethene	2.307	96	1737	1.005	ug/l		85
14) Allyl chloride	2.654	41	3164	1.013	ug/l		90
15) Acrylonitrile	3.069	53	4527	4.655	ug/l		95
16) Acetone	2.380	43	4095	5.188	ug/l		92
17) Carbon Disulfide	2.502	76	4531	0.956	ug/l	#	88
18) Methyl Acetate	2.697	43	2367	0.950	ug/l		95
19) Methyl tert-butyl Ether	3.117	73	5206	0.946	ug/l	#	87
20) Methylene Chloride	2.782	84	2005	1.037	ug/l	#	90
21) trans-1,2-Dichloroethene	3.087	96	1631	0.959	ug/l		96
22) Diisopropyl ether	3.764	45	5496	0.930	ug/l	#	75
23) Vinyl Acetate	3.727	43	20663	4.288	ug/l		99
24) 1,1-Dichloroethane	3.605	63	3099	0.937	ug/l	#	93
25) 2-Butanone	4.587	43	5660	4.416	ug/l		93
26) 2,2-Dichloropropane	4.471	77	2566	0.978	ug/l		76
27) cis-1,2-Dichloroethene	4.489	96	1825	0.893	ug/l		91
28) Bromochloromethane	4.910	49	1702	1.071	ug/l	#	75
29) Tetrahydrofuran	5.026	42	4014	4.716	ug/l		99
30) Chloroform	5.093	83	3132	0.976	ug/l		94
32) 1,1,1-Trichloroethane	5.379	97	2721	1.000	ug/l	#	50
36) 1,1-Dichloropropene	5.684	75	2399	1.006	ug/l		94
37) Ethyl Acetate	4.721	43	2426m	0.915	ug/l		
38) Carbon Tetrachloride	5.666	117	2322	0.994	ug/l	#	74
39) Methylcyclohexane	7.379	83	2589	0.840	ug/l		96
40) Benzene	6.038	78	6963	0.935	ug/l		94
41) Methacrylonitrile	4.958	41	1205m	0.849	ug/l		
42) 1,2-Dichloroethane	6.099	62	2120	0.894	ug/l		84
43) Isopropyl Acetate	6.355	43	3839	0.897	ug/l	#	88
44) Trichloroethene	7.135	130	1487	0.874	ug/l		76
45) 1,2-Dichloropropane	7.440	63	1746	0.943	ug/l	#	86

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	7.592	93	1202	0.936 ug/l	95
47) Bromodichloromethane	7.818	83	2176	0.875 ug/l	93
48) Methyl methacrylate	7.720	41	1675	0.830 ug/l	92
49) 1,4-Dioxane	7.696	88	867	20.015 ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	11169	4.290 ug/l	96
52) Toluene	8.714	92	3943	0.889 ug/l	100
53) t-1,3-Dichloropropene	8.994	75	2119	0.842 ug/l	90
54) cis-1,3-Dichloropropene	8.366	75	2300	0.820 ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	1558	0.914 ug/l #	86
56) Ethyl methacrylate	9.128	69	2346	0.852 ug/l #	84
57) 1,3-Dichloropropane	9.311	76	2699	0.905 ug/l	95
58) 2-Chloroethyl Vinyl ether	8.251	63	5401	3.996 ug/l	97
59) 2-Hexanone	9.439	43	7952	4.240 ug/l	95
60) Dibromochloromethane	9.525	129	1613	0.885 ug/l	96
61) 1,2-Dibromoethane	9.610	107	1534	0.888 ug/l	97
64) Tetrachloroethene	9.275	164	1339	0.971 ug/l	91
65) Chlorobenzene	10.080	112	4234	0.902 ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.165	131	1320	0.874 ug/l #	64
67) Ethyl Benzene	10.195	91	7388	0.892 ug/l	98
68) m/p-Xylenes	10.299	106	5387	1.763 ug/l	100
69) o-Xylene	10.640	106	2889	0.942 ug/l	97
70) Styrene	10.659	104	3974	0.804 ug/l	97
71) Bromoform	10.799	173	813	0.721 ug/l #	95
73) Isopropylbenzene	10.964	105	6778	0.928 ug/l	99
74) N-amyl acetate	10.848	43	2596	0.785 ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	2594	1.033 ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	1898m	0.943 ug/l	
77) Bromobenzene	11.201	156	1537	0.928 ug/l	90
78) n-propylbenzene	11.305	91	7347	0.871 ug/l	98
79) 2-Chlorotoluene	11.366	91	5188	1.001 ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	5410	0.913 ug/l	98
82) 4-Chlorotoluene	11.457	91	5367	0.936 ug/l	99
83) tert-Butylbenzene	11.713	119	5620	0.937 ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	4876	0.833 ug/l	88
85) sec-Butylbenzene	11.890	105	6700	0.902 ug/l	99
86) p-Isopropyltoluene	12.006	119	5161	0.864 ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	2933	0.963 ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	3016m	0.979 ug/l	
89) n-Butylbenzene	12.335	91	3880	0.734 ug/l	93
90) Hexachloroethane	12.536	117	968	0.866 ug/l	98
91) 1,2-Dichlorobenzene	12.341	146	2744	0.917 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	367	0.801 ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	1560	0.861 ug/l	86
94) Hexachlorobutadiene	13.725	225	695	0.966 ug/l	99
95) Naphthalene	13.780	128	5125	0.783 ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	1557	0.853 ug/l	93

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

ICAL Form

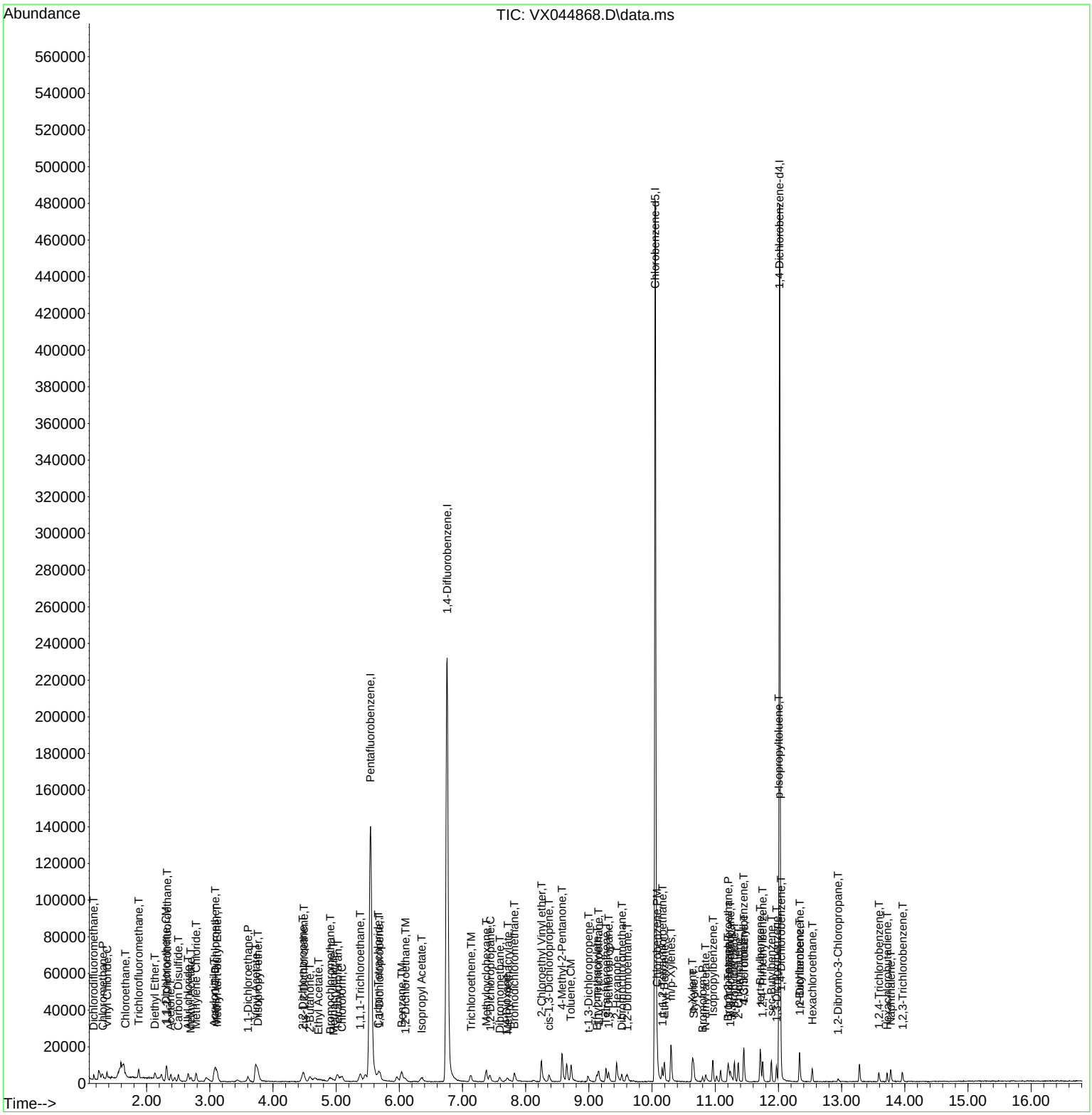
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	136105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	253314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	10397	5.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.440%#		
35) Dibromofluoromethane	5.385	113	8482	5.150	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.300%#		
50) Toluene-d8	8.647	98	31381	5.039	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.080%#		
62) 4-Bromofluorobenzene	11.079	95	10229	4.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.740%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	9109	4.772	ug/l	94
3) Chloromethane	1.301	50	11711	5.041	ug/l	97
4) Vinyl Chloride	1.374	62	11509	5.113	ug/l	94
5) Bromomethane	1.593	94	3371	5.005	ug/l	89
6) Chloroethane	1.660	64	3918m	4.973	ug/l	
7) Trichlorofluoromethane	1.868	101	14506	5.096	ug/l	100
8) Diethyl Ether	2.136	74	5062	4.904	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	8805	5.120	ug/l	98
10) Methyl Iodide	2.447	142	10233	4.591	ug/l	99
11) Tert butyl alcohol	2.983	59	10044	27.175	ug/l	100
12) 1,1-Dichloroethene	2.307	96	8692	4.955	ug/l	95
13) Acrolein	2.239	56	9750	25.567	ug/l	98
14) Allyl chloride	2.660	41	15649	4.936	ug/l	98
15) Acrylonitrile	3.062	53	24101	24.422	ug/l	98
16) Acetone	2.386	43	19877	24.817	ug/l	99
17) Carbon Disulfide	2.502	76	23568	4.899	ug/l	98
18) Methyl Acetate	2.703	43	12257	4.850	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	28100	5.034	ug/l	99
20) Methylene Chloride	2.782	84	9757	4.973	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	8470	4.906	ug/l	94
22) Diisopropyl ether	3.757	45	29768	4.963	ug/l #	80
23) Vinyl Acetate	3.721	43	119108	24.358	ug/l	98
24) 1,1-Dichloroethane	3.605	63	17113	5.099	ug/l	98
25) 2-Butanone	4.568	43	32121	24.698	ug/l	98
26) 2,2-Dichloropropane	4.459	77	13365	5.022	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	10662	5.141	ug/l	95
28) Bromochloromethane	4.898	49	7881	4.886	ug/l #	96
29) Tetrahydrofuran	5.013	42	21097	24.429	ug/l	98
30) Chloroform	5.087	83	16449	5.054	ug/l	98
31) Cyclohexane	5.464	56	15705	5.076	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	13658	4.947	ug/l	98
36) 1,1-Dichloropropene	5.684	75	11835	4.981	ug/l	98
37) Ethyl Acetate	4.721	43	13530	5.122	ug/l	99
38) Carbon Tetrachloride	5.672	117	11797	5.066	ug/l	97
39) Methylcyclohexane	7.373	83	14472	4.711	ug/l	96
40) Benzene	6.038	78	37687	5.079	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	6648	4.699 ug/l		96
42) 1,2-Dichloroethane	6.086	62	11789	4.985 ug/l		100
43) Isopropyl Acetate	6.342	43	19803	4.640 ug/l		99
44) Trichloroethene	7.123	130	8614	5.079 ug/l		95
45) 1,2-Dichloropropane	7.428	63	8976	4.863 ug/l		98
46) Dibromomethane	7.586	93	6210	4.851 ug/l		95
47) Bromodichloromethane	7.818	83	12173	4.911 ug/l		94
48) Methyl methacrylate	7.702	41	9298	4.620 ug/l		98
49) 1,4-Dioxane	7.678	88	4365	101.099 ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	65064	25.076 ug/l		100
52) Toluene	8.720	92	22090	4.999 ug/l		96
53) t-1,3-Dichloropropene	8.976	75	11413	4.550 ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	12943	4.628 ug/l	#	88
55) 1,1,2-Trichloroethane	9.153	97	8662	5.099 ug/l		98
56) Ethyl methacrylate	9.116	69	12351	4.502 ug/l		96
57) 1,3-Dichloropropane	9.305	76	14839	4.993 ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	31498	23.382 ug/l		99
59) 2-Hexanone	9.433	43	45538	24.359 ug/l		99
60) Dibromochloromethane	9.519	129	8668	4.771 ug/l		99
61) 1,2-Dibromoethane	9.610	107	8353	4.852 ug/l		96
64) Tetrachloroethene	9.269	164	6803	4.934 ug/l		95
65) Chlorobenzene	10.079	112	23903	5.090 ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	7380	4.883 ug/l		97
67) Ethyl Benzene	10.189	91	40945	4.941 ug/l		97
68) m/p-Xylenes	10.299	106	30627	10.019 ug/l		100
69) o-Xylene	10.640	106	15761	5.139 ug/l		98
70) Styrene	10.653	104	24576	4.973 ug/l		99
71) Bromoform	10.799	173	5391	4.779 ug/l	#	97
73) Isopropylbenzene	10.957	105	38315	4.983 ug/l		100
74) N-amyl acetate	10.842	43	16653	4.786 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	13394	5.069 ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	11011m	5.201 ug/l		
77) Bromobenzene	11.195	156	8789	5.042 ug/l		97
78) n-propylbenzene	11.305	91	43923	4.949 ug/l		99
79) 2-Chlorotoluene	11.360	91	27311	5.007 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	31761	5.090 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	3303	4.013 ug/l		87
82) 4-Chlorotoluene	11.451	91	30138	4.994 ug/l		99
83) tert-Butylbenzene	11.713	119	31992	5.068 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	31053	5.042 ug/l		98
85) sec-Butylbenzene	11.890	105	38437	4.917 ug/l		98
86) p-Isopropyltoluene	12.006	119	30835	4.905 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	15935	4.971 ug/l		95
88) 1,4-Dichlorobenzene	12.036	146	16347	5.043 ug/l		95
89) n-Butylbenzene	12.329	91	25747	4.630 ug/l		97
90) Hexachloroethane	12.536	117	5620	4.775 ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	16362	5.193 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2254	4.674 ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	8923	4.680 ug/l		99
94) Hexachlorobutadiene	13.719	225	3595	4.750 ug/l		99
95) Naphthalene	13.774	128	32776	4.756 ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	9093	4.733 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

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

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

ICAL Form

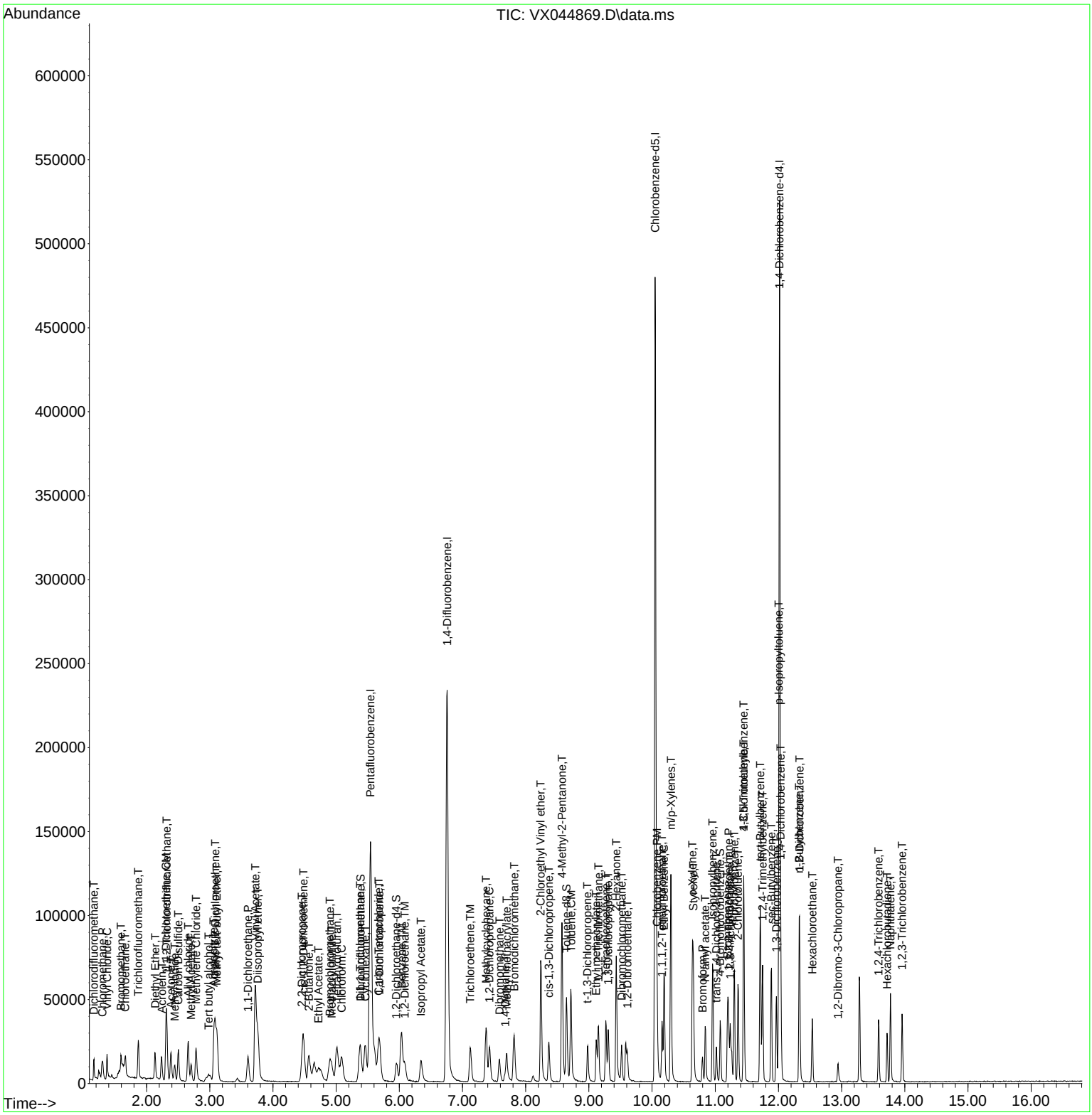
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	207667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	37195	19.616	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 39.240%#			
35) Dibromofluoromethane	5.379	113	30170	19.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 39.580%#			
50) Toluene-d8	8.647	98	117127	20.321	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 40.640%#			
62) 4-Bromofluorobenzene	11.079	95	38475	19.800	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 39.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	37123	20.434	ug/l	98
3) Chloromethane	1.301	50	44666	20.200	ug/l	95
4) Vinyl Chloride	1.374	62	43901	20.494	ug/l	99
5) Bromomethane	1.593	94	13057	20.369	ug/l	99
6) Chloroethane	1.660	64	14523	16.522	ug/l	94
7) Trichlorofluoromethane	1.868	101	56805	20.969	ug/l	98
8) Diethyl Ether	2.130	74	20699	21.069	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34593	21.135	ug/l	99
10) Methyl Iodide	2.441	142	44749	21.096	ug/l	99
11) Tert butyl alcohol	2.989	59	35834	101.870	ug/l	100
12) 1,1-Dichloroethene	2.307	96	34270	20.526	ug/l	99
13) Acrolein	2.233	56	33914	93.445	ug/l	99
14) Allyl chloride	2.654	41	61485	20.377	ug/l	98
15) Acrylonitrile	3.063	53	98518	104.896	ug/l	98
16) Acetone	2.380	43	77078	101.119	ug/l	98
17) Carbon Disulfide	2.502	76	92552	20.216	ug/l	99
18) Methyl Acetate	2.703	43	47970	19.943	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	110377	20.779	ug/l	98
20) Methylene Chloride	2.782	84	38390	20.562	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	34064	20.730	ug/l	92
22) Diisopropyl ether	3.757	45	120300	21.074	ug/l	93
23) Vinyl Acetate	3.715	43	490239	105.341	ug/l	99
24) 1,1-Dichloroethane	3.599	63	66942	20.958	ug/l	99
25) 2-Butanone	4.556	43	130481	105.417	ug/l	96
26) 2,2-Dichloropropane	4.471	77	51803	20.451	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42096	21.328	ug/l	97
28) Bromochloromethane	4.885	49	31474	20.504	ug/l	99
29) Tetrahydrofuran	5.001	42	86875	105.700	ug/l	99
30) Chloroform	5.087	83	65721	21.217	ug/l	98
31) Cyclohexane	5.458	56	60814	20.653	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54450	20.724	ug/l	100
36) 1,1-Dichloropropene	5.684	75	45991	20.913	ug/l	99
37) Ethyl Acetate	4.715	43	51242	20.949	ug/l	99
38) Carbon Tetrachloride	5.666	117	44802	20.790	ug/l	99
39) Methylcyclohexane	7.373	83	62505	21.985	ug/l	98
40) Benzene	6.031	78	147912	21.540	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	27347	20.887	ug/l		94
42) 1,2-Dichloroethane	6.086	62	47095	21.519	ug/l		100
43) Isopropyl Acetate	6.336	43	84306	21.343	ug/l		99
44) Trichloroethene	7.123	130	34390	21.910	ug/l		96
45) 1,2-Dichloropropane	7.428	63	36510	21.371	ug/l		99
46) Dibromomethane	7.574	93	25300	21.354	ug/l		99
47) Bromodichloromethane	7.818	83	48202	21.012	ug/l		97
48) Methyl methacrylate	7.690	41	39747	21.341	ug/l		100
49) 1,4-Dioxane	7.665	88	17153	429.262	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	263394	109.684	ug/l		99
52) Toluene	8.714	92	89726	21.940	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	48613	20.940	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	55026	21.259	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	33930	21.582	ug/l		98
56) Ethyl methacrylate	9.116	69	54674	21.533	ug/l		99
57) 1,3-Dichloropropane	9.305	76	60079	21.841	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	133072	106.736	ug/l		100
59) 2-Hexanone	9.427	43	190449	110.072	ug/l		98
60) Dibromochloromethane	9.519	129	35706	21.237	ug/l		99
61) 1,2-Dibromoethane	9.604	107	34463	21.628	ug/l		100
64) Tetrachloroethene	9.269	164	28519	21.776	ug/l		97
65) Chlorobenzene	10.073	112	94695	21.230	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30344	21.136	ug/l		99
67) Ethyl Benzene	10.189	91	167865	21.327	ug/l		100
68) m/p-Xylenes	10.299	106	125271	43.144	ug/l		99
69) o-Xylene	10.640	106	62087	21.310	ug/l		97
70) Styrene	10.653	104	103740	22.101	ug/l		98
71) Bromoform	10.799	173	22592	21.086	ug/l	#	99
73) Isopropylbenzene	10.957	105	160147	21.597	ug/l		99
74) N-amyl acetate	10.842	43	70542	21.023	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52967	20.787	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	42040m	20.589	ug/l		
77) Bromobenzene	11.195	156	36021	21.426	ug/l		97
78) n-propylbenzene	11.299	91	183212	21.406	ug/l		99
79) 2-Chlorotoluene	11.360	91	111782	21.250	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	130526	21.691	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	15375	19.370	ug/l		96
82) 4-Chlorotoluene	11.451	91	122303	21.016	ug/l		100
83) tert-Butylbenzene	11.713	119	130358	21.414	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	130211	21.924	ug/l		100
85) sec-Butylbenzene	11.890	105	162875	21.607	ug/l		100
86) p-Isopropyltoluene	12.006	119	130643	21.551	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	64141	20.747	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	64889	20.758	ug/l		98
89) n-Butylbenzene	12.329	91	113705	21.202	ug/l		100
90) Hexachloroethane	12.536	117	23153	20.398	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	64940	21.373	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9873	21.230	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	37308	20.292	ug/l		99
94) Hexachlorobutadiene	13.725	225	15312	20.979	ug/l		96
95) Naphthalene	13.774	128	142902	21.502	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	38389	20.722	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

ICAL Form

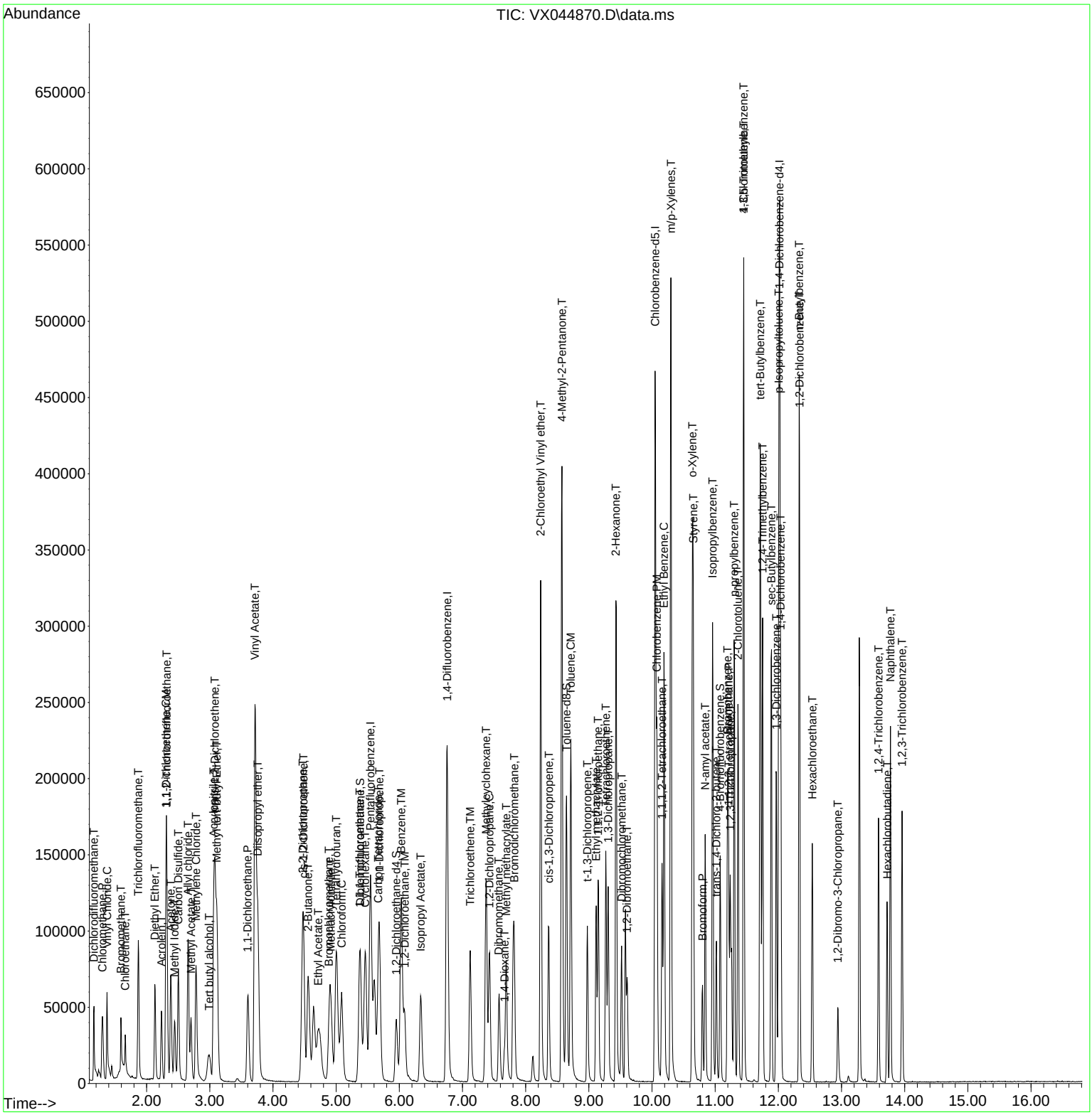
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	127984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	204751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	92593	49.424	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.840%			
35) Dibromofluoromethane	5.379	113	74906	49.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.580%			
50) Toluene-d8	8.646	98	289575	50.392	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	11.079	95	100798	52.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	89581	49.905	ug/l	100
3) Chloromethane	1.300	50	107836	49.359	ug/l	100
4) Vinyl Chloride	1.373	62	103354	48.832	ug/l	100
5) Bromomethane	1.593	94	31886	50.345	ug/l	100
6) Chloroethane	1.666	64	43657	55.583	ug/l	100
7) Trichlorofluoromethane	1.873	101	131729	49.215	ug/l	100
8) Diethyl Ether	2.129	74	48023	49.473	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	80068	49.511	ug/l	100
10) Methyl Iodide	2.446	142	108383	51.712	ug/l	100
11) Tert butyl alcohol	2.983	59	87254	251.049	ug/l	100
12) 1,1-Dichloroethene	2.312	96	80672	48.904	ug/l	100
13) Acrolein	2.233	56	90518	252.426	ug/l	100
14) Allyl chloride	2.660	41	148044	49.658	ug/l	100
15) Acrylonitrile	3.062	53	242268	261.074	ug/l	100
16) Acetone	2.379	43	187739	249.274	ug/l	100
17) Carbon Disulfide	2.501	76	225511	49.853	ug/l	100
18) Methyl Acetate	2.702	43	121039	50.928	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	261852	49.890	ug/l	100
20) Methylene Chloride	2.782	84	90038	48.808	ug/l	100
21) trans-1,2-Dichloroethene	3.086	96	81950	50.475	ug/l	100
22) Diisopropyl ether	3.757	45	287347	50.946	ug/l	100
23) Vinyl Acetate	3.714	43	1190152	258.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	157003	49.749	ug/l	100
25) 2-Butanone	4.556	43	323510	264.528	ug/l	100
26) 2,2-Dichloropropane	4.470	77	121901	48.707	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	96965	49.721	ug/l	100
28) Bromochloromethane	4.891	49	74707	49.258	ug/l	100
29) Tetrahydrofuran	5.001	42	210414	259.105	ug/l	100
30) Chloroform	5.086	83	149581	48.874	ug/l	100
31) Cyclohexane	5.464	56	143500	49.322	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	128561	49.523	ug/l	100
36) 1,1-Dichloropropene	5.690	75	108206	49.353	ug/l	100
37) Ethyl Acetate	4.708	43	123238	50.535	ug/l	100
38) Carbon Tetrachloride	5.671	117	105873	49.277	ug/l	100
39) Methylcyclohexane	7.372	83	145338	51.274	ug/l	100
40) Benzene	6.031	78	343557	50.182	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	70572	54.065	ug/l		100
42) 1,2-Dichloroethane	6.080	62	110347	50.573	ug/l		100
43) Isopropyl Acetate	6.336	43	204703	51.981	ug/l		100
44) Trichloroethene	7.122	130	78274	50.020	ug/l		100
45) 1,2-Dichloropropane	7.427	63	85733	50.335	ug/l		100
46) Dibromomethane	7.573	93	59625	50.479	ug/l		100
47) Bromodichloromethane	7.817	83	116892	51.108	ug/l		100
48) Methyl methacrylate	7.689	41	98519	53.057	ug/l		100
49) 1,4-Dioxane	7.659	88	42094	1056.618	ug/l		100
51) 4-Methyl-2-Pentanone	8.573	43	647283	270.364	ug/l		100
52) Toluene	8.714	92	210007	51.507	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	120125	51.902	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	134763	52.223	ug/l		100
55) 1,1,2-Trichloroethane	9.146	97	79741	50.876	ug/l		100
56) Ethyl methacrylate	9.116	69	134975	53.319	ug/l		100
57) 1,3-Dichloropropane	9.305	76	141335	51.537	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	336412	270.652	ug/l		100
59) 2-Hexanone	9.427	43	472301	273.800	ug/l		100
60) Dibromochloromethane	9.518	129	87240	52.045	ug/l		100
61) 1,2-Dibromoethane	9.604	107	81915	51.564	ug/l		100
64) Tetrachloroethene	9.268	164	63537	49.206	ug/l		100
65) Chlorobenzene	10.079	112	224306	51.005	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	72478	51.203	ug/l		100
67) Ethyl Benzene	10.189	91	396269	51.061	ug/l		100
68) m/p-Xylenes	10.299	106	296507	103.573	ug/l		100
69) o-Xylene	10.640	106	144802	50.409	ug/l		100
70) Styrene	10.652	104	245518	53.051	ug/l		100
71) Bromoform	10.799	173	57417	54.352	ug/l	#	100
73) Isopropylbenzene	10.957	105	374776	50.239	ug/l		100
74) N-amyl acetate	10.841	43	176174	52.189	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	126542	49.364	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	102508m	49.903	ug/l		
77) Bromobenzene	11.195	156	84448	49.931	ug/l		100
78) n-propylbenzene	11.298	91	437572	50.818	ug/l		100
79) 2-Chlorotoluene	11.359	91	263269	49.749	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	307465	50.789	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	40487	50.701	ug/l		100
82) 4-Chlorotoluene	11.451	91	295844	50.531	ug/l		100
83) tert-Butylbenzene	11.713	119	306830	50.102	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	311205	52.085	ug/l		100
85) sec-Butylbenzene	11.890	105	384155	50.657	ug/l		100
86) p-Isopropyltoluene	12.006	119	315226	51.689	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	155575	50.021	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	156162	49.657	ug/l		100
89) n-Butylbenzene	12.329	91	287649	53.315	ug/l		100
90) Hexachloroethane	12.536	117	56951	49.874	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	154364	50.500	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23924	51.135	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	93863	50.747	ug/l		100
94) Hexachlorobutadiene	13.725	225	35481	48.321	ug/l		100
95) Naphthalene	13.774	128	347645	51.995	ug/l		100
96) 1,2,3-Trichlorobenzene	13.956	180	95510	51.245	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

ICAL Form

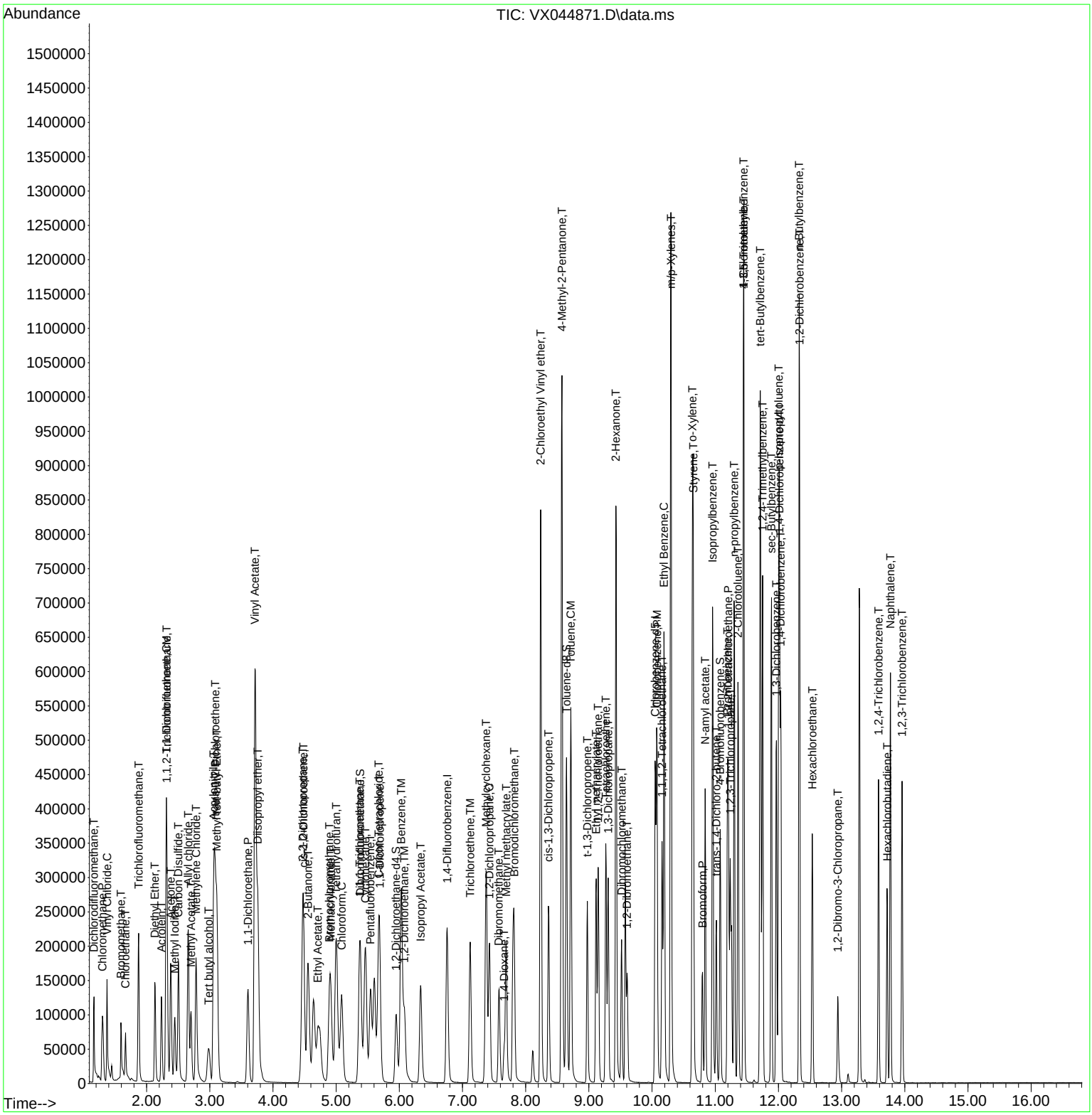
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	236372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	183093	96.580	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 193.160%#			
35) Dibromofluoromethane	5.373	113	151228	98.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 196.800%#			
50) Toluene-d8	8.647	98	570976	98.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 196.500%#			
62) 4-Bromofluorobenzene	11.079	95	196066	100.079	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.160%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	182788	100.632	ug/l	99
3) Chloromethane	1.301	50	208416	94.275	ug/l	99
4) Vinyl Chloride	1.374	62	209017	97.593	ug/l	100
5) Bromomethane	1.593	94	62797	97.984	ug/l	97
6) Chloroethane	1.660	64	64581	100.253	ug/l	98
7) Trichlorofluoromethane	1.868	101	262354	96.865	ug/l	99
8) Diethyl Ether	2.130	74	95914	97.647	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	163414	99.860	ug/l	100
10) Methyl Iodide	2.441	142	212118	100.016	ug/l	99
11) Tert butyl alcohol	3.002	59	165263	469.903	ug/l #	73
12) 1,1-Dichloroethene	2.307	96	163593	98.004	ug/l	98
13) Acrolein	2.233	56	180570	497.628	ug/l	99
14) Allyl chloride	2.654	41	297526	98.624	ug/l	98
15) Acrylonitrile	3.063	53	466855	497.173	ug/l	99
16) Acetone	2.386	43	369720	485.125	ug/l	99
17) Carbon Disulfide	2.502	76	463308	101.216	ug/l	99
18) Methyl Acetate	2.703	43	238689	99.249	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	521003	98.098	ug/l	100
20) Methylene Chloride	2.782	84	180120	96.490	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	164067	99.864	ug/l	95
22) Diisopropyl ether	3.758	45	565927	99.157	ug/l	95
23) Vinyl Acetate	3.715	43	2387200	513.051	ug/l	100
24) 1,1-Dichloroethane	3.599	63	313164	98.064	ug/l	99
25) 2-Butanone	4.550	43	617283	498.801	ug/l	98
26) 2,2-Dichloropropane	4.465	77	248324	98.053	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	196381	99.513	ug/l	99
28) Bromochloromethane	4.885	49	148137	96.524	ug/l	100
29) Tetrahydrofuran	4.995	42	405208	493.104	ug/l	100
30) Chloroform	5.087	83	298690	96.445	ug/l	99
31) Cyclohexane	5.458	56	286830	97.426	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	254941	97.050	ug/l	100
36) 1,1-Dichloropropene	5.684	75	216005	97.422	ug/l	100
37) Ethyl Acetate	4.709	43	244164	99.005	ug/l	99
38) Carbon Tetrachloride	5.666	117	210381	96.828	ug/l	97
39) Methylcyclohexane	7.373	83	299703	104.554	ug/l	98
40) Benzene	6.025	78	675556	97.576	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.910	41	135629	102.745 ug/l		99
42) 1,2-Dichloroethane	6.080	62	218174	98.875 ug/l		100
43) Isopropyl Acetate	6.336	43	405489	101.818 ug/l		100
44) Trichloroethene	7.117	130	156832	99.103 ug/l		96
45) 1,2-Dichloropropane	7.422	63	170337	98.893 ug/l		97
46) Dibromomethane	7.574	93	119149	99.747 ug/l		100
47) Bromodichloromethane	7.818	83	236506	102.254 ug/l		97
48) Methyl methacrylate	7.690	41	195892	104.321 ug/l		100
49) 1,4-Dioxane	7.659	88	77816	1931.508 ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	1196887	494.353 ug/l		100
52) Toluene	8.714	92	409318	99.270 ug/l		99
53) t-1,3-Dichloropropene	8.970	75	249725	106.694 ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	277371	106.287 ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	156629	98.817 ug/l		100
56) Ethyl methacrylate	9.116	69	268693	104.958 ug/l		99
57) 1,3-Dichloropropane	9.305	76	273845	98.742 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	664198	528.405 ug/l		100
59) 2-Hexanone	9.427	43	871904	499.819 ug/l		99
60) Dibromochloromethane	9.519	129	173848	102.557 ug/l		100
61) 1,2-Dibromoethane	9.604	107	162982	101.451 ug/l		98
64) Tetrachloroethene	9.269	164	125294	97.447 ug/l		100
65) Chlorobenzene	10.073	112	436565	99.694 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	144793	102.728 ug/l		100
67) Ethyl Benzene	10.189	91	784184	101.477 ug/l		100
68) m/p-Xylenes	10.299	106	575559	201.907 ug/l		99
69) o-Xylene	10.640	106	281830	98.530 ug/l		100
70) Styrene	10.653	104	473403	102.728 ug/l		99
71) Bromoform	10.799	173	112371	106.827 ug/l	#	99
73) Isopropylbenzene	10.957	105	719923	97.854 ug/l		99
74) N-amyl acetate	10.842	43	345193	103.687 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	238529	94.351 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	198320m	97.896 ug/l		
77) Bromobenzene	11.195	156	163845	98.230 ug/l		100
78) n-propylbenzene	11.299	91	858793	101.132 ug/l		100
79) 2-Chlorotoluene	11.360	91	497149	95.257 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	584885	97.966 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	83483	106.006 ug/l		98
82) 4-Chlorotoluene	11.451	91	569510	98.634 ug/l		100
83) tert-Butylbenzene	11.713	119	591396	97.917 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	588385	99.851 ug/l		99
85) sec-Butylbenzene	11.890	105	749534	100.219 ug/l		99
86) p-Isopropyltoluene	12.006	119	607577	101.019 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	303851	99.061 ug/l		98
88) 1,4-Dichlorobenzene	12.037	146	303417	97.830 ug/l		99
89) n-Butylbenzene	12.329	91	583634	109.686 ug/l		100
90) Hexachloroethane	12.536	117	117533	104.365 ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	293151	97.244 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47745	103.477 ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	193214	105.921 ug/l		99
94) Hexachlorobutadiene	13.725	225	74605	103.024 ug/l		99
95) Naphthalene	13.774	128	689104	104.505 ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	190534	103.659 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

ICAL Form

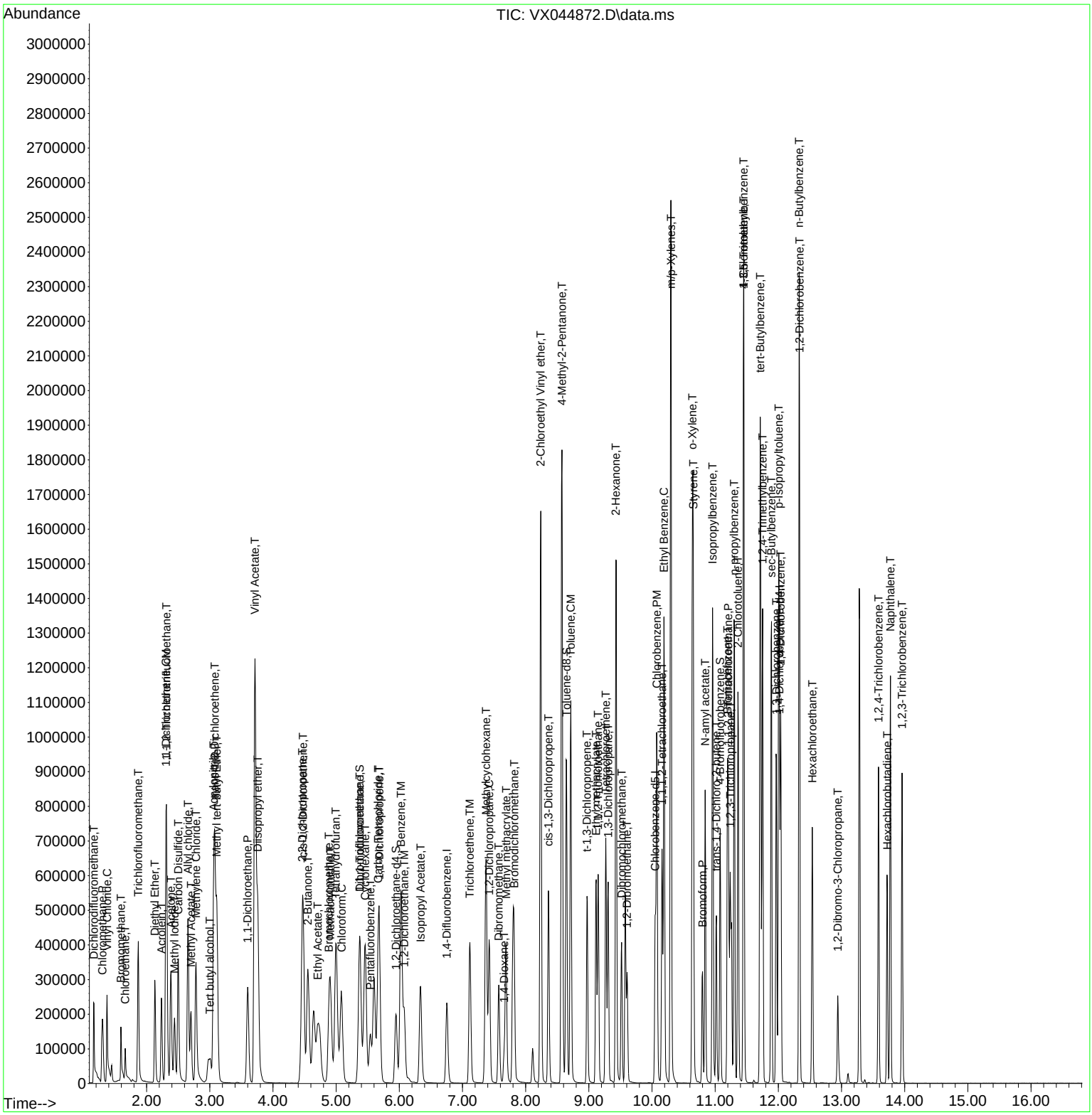
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.544	168	125253	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232597	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196663	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84836	50.000 ug/l	# 0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.946	65	280853	153.180 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 306.360%#		
35) Dibromofluoromethane	5.379	113	229218	151.572 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 303.140%#		
50) Toluene-d8	8.647	98	845632	147.877 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.760%#		
62) 4-Bromofluorobenzene	11.079	95	287486	149.124 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 298.240%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	260576	148.330 ug/l	96
3) Chloromethane	1.307	50	297968	139.361 ug/l	100
4) Vinyl Chloride	1.374	62	305986	147.723 ug/l	99
5) Bromomethane	1.593	94	92399	149.071 ug/l	96
6) Chloroethane	1.660	64	67889	130.289 ug/l	97
7) Trichlorofluoromethane	1.867	101	378664	144.558 ug/l	99
8) Diethyl Ether	2.136	74	140428	147.822 ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	239215	151.147 ug/l	100
10) Methyl Iodide	2.441	142	305390	148.887 ug/l	100
11) Tert butyl alcohol	3.020	59	242430	712.734 ug/l	100
12) 1,1-Dichloroethene	2.306	96	246987	152.989 ug/l	99
13) Acrolein	2.239	56	273178	778.418 ug/l	100
14) Allyl chloride	2.654	41	438493	150.289 ug/l	97
15) Acrylonitrile	3.068	53	684234	753.423 ug/l	99
16) Acetone	2.386	43	547939	743.398 ug/l	99
17) Carbon Disulfide	2.502	76	693558	156.665 ug/l	100
18) Methyl Acetate	2.703	43	373877	160.743 ug/l	100
19) Methyl tert-butyl Ether	3.117	73	792810	154.347 ug/l	100
20) Methylene Chloride	2.782	84	270575	149.871 ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	242082	152.356 ug/l	93
22) Diisopropyl ether	3.757	45	839126	152.020 ug/l	98
23) Vinyl Acetate	3.721	43	3555031	789.993 ug/l	100
24) 1,1-Dichloroethane	3.605	63	472424	152.959 ug/l	99
25) 2-Butanone	4.556	43	914741	764.276 ug/l	98
26) 2,2-Dichloropropane	4.471	77	382167	156.029 ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	292864	153.446 ug/l	99
28) Bromochloromethane	4.891	49	217387	146.458 ug/l	98
29) Tetrahydrofuran	5.001	42	596045	749.977 ug/l	99
30) Chloroform	5.086	83	453809	151.509 ug/l	99
31) Cyclohexane	5.458	56	423464	148.722 ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	386162	151.996 ug/l	99
36) 1,1-Dichloropropene	5.684	75	324182	148.585 ug/l	100
37) Ethyl Acetate	4.715	43	368763	151.956 ug/l	99
38) Carbon Tetrachloride	5.672	117	320536	149.921 ug/l	98
39) Methylcyclohexane	7.373	83	443218	157.130 ug/l	99
40) Benzene	6.031	78	1014129	148.856 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	206155	158.707	ug/l		100
42) 1,2-Dichloroethane	6.080	62	336520	154.984	ug/l		99
43) Isopropyl Acetate	6.336	43	617516	157.575	ug/l		99
44) Trichloroethene	7.117	130	239030	153.496	ug/l		99
45) 1,2-Dichloropropane	7.427	63	259454	153.076	ug/l		100
46) Dibromomethane	7.574	93	179689	152.870	ug/l		99
47) Bromodichloromethane	7.818	83	357623	157.128	ug/l		98
48) Methyl methacrylate	7.690	41	297931	161.236	ug/l		99
49) 1,4-Dioxane	7.665	88	106175	2678.192	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	1736538	728.887	ug/l		100
52) Toluene	8.714	92	603113	148.645	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	378639	164.398	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	417724	162.667	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	229548	147.172	ug/l		98
56) Ethyl methacrylate	9.116	69	398535	158.205	ug/l		99
57) 1,3-Dichloropropane	9.305	76	403665	147.915	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	982120	794.010	ug/l		100
59) 2-Hexanone	9.433	43	1264470	736.622	ug/l		99
60) Dibromochloromethane	9.519	129	258320	154.862	ug/l		99
61) 1,2-Dibromoethane	9.604	107	240539	152.157	ug/l		99
64) Tetrachloroethene	9.269	164	184990	149.155	ug/l		96
65) Chlorobenzene	10.073	112	634550	150.224	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	212441	156.255	ug/l		99
67) Ethyl Benzene	10.189	91	1137842	152.647	ug/l		100
68) m/p-Xylenes	10.299	106	818971	297.841	ug/l		98
69) o-Xylene	10.640	106	401928	145.674	ug/l		99
70) Styrene	10.653	104	671843	151.140	ug/l		98
71) Bromoform	10.799	173	169481	167.033	ug/l	#	98
73) Isopropylbenzene	10.957	105	1037402	151.869	ug/l		99
74) N-amyl acetate	10.841	43	521962	168.861	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	346013	147.409	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	284934m	151.485	ug/l		
77) Bromobenzene	11.195	156	234957	151.715	ug/l		99
78) n-propylbenzene	11.305	91	1231079	156.140	ug/l		99
79) 2-Chlorotoluene	11.360	91	717766	148.123	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	822707	148.415	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	126660	173.221	ug/l		98
82) 4-Chlorotoluene	11.451	91	818099	152.602	ug/l		99
83) tert-Butylbenzene	11.713	119	838979	149.610	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	838584	153.274	ug/l		99
85) sec-Butylbenzene	11.890	105	1061101	152.806	ug/l		100
86) p-Isopropyltoluene	12.006	119	865491	154.987	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	433384	152.175	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	432987	150.362	ug/l		100
89) n-Butylbenzene	12.329	91	827359	167.469	ug/l		100
90) Hexachloroethane	12.536	117	175414	167.760	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	417167	149.042	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	73593	171.783	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	283004	167.095	ug/l		98
94) Hexachlorobutadiene	13.725	225	104674	155.682	ug/l		97
95) Naphthalene	13.774	128	1015801	165.916	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	282289	165.408	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

ICAL Form

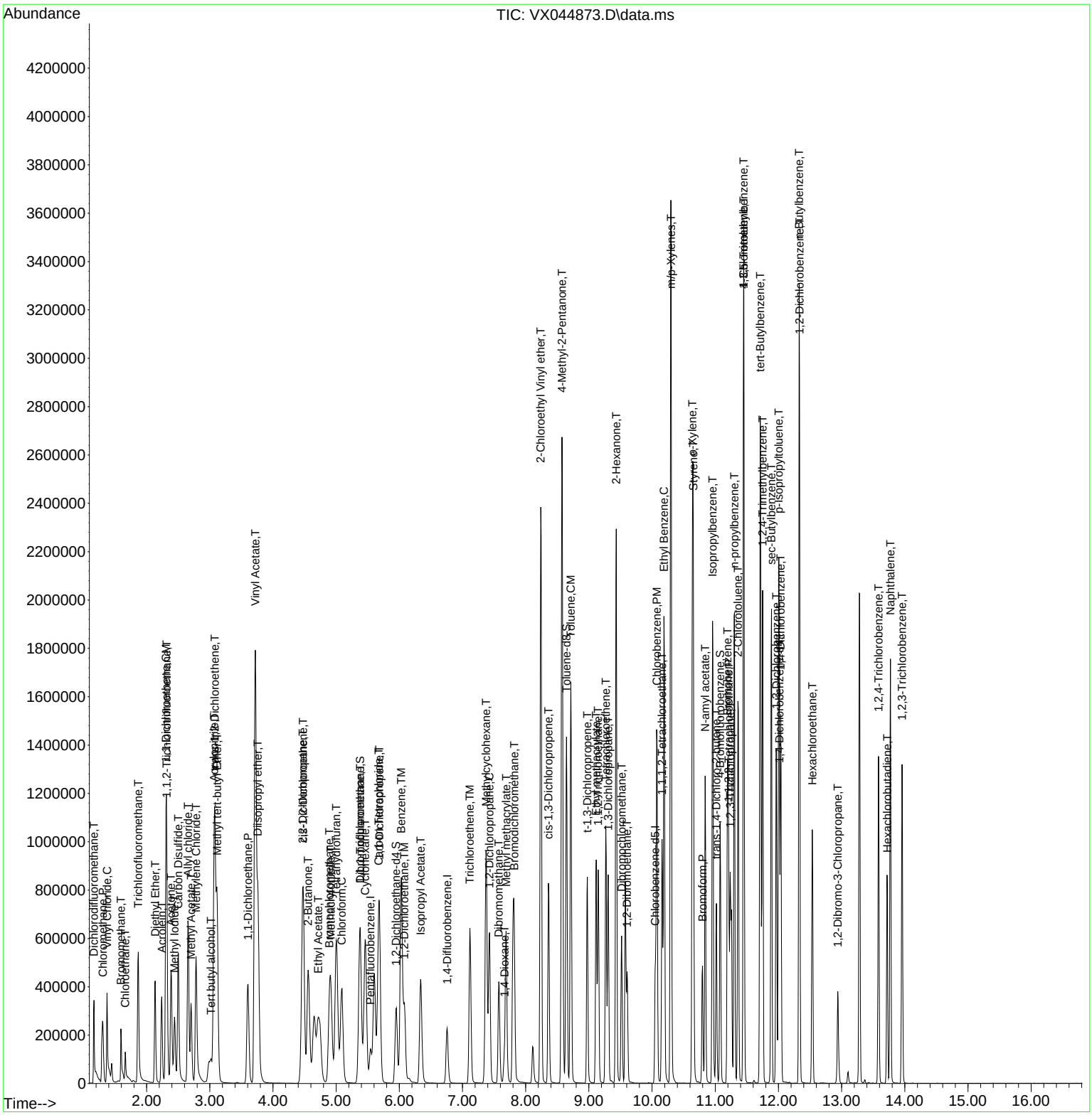
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	135936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95635	48.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.120%			
35) Dibromofluoromethane	5.379	113	78360	49.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	8.647	98	299178	49.649	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.300%			
62) 4-Bromofluorobenzene	11.079	95	105201	51.786	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	93752	49.173	ug/l	99
3) Chloromethane	1.300	50	110431	47.590	ug/l	98
4) Vinyl Chloride	1.374	62	105730	47.033	ug/l	100
5) Bromomethane	1.593	94	31428	46.719	ug/l	97
6) Chloroethane	1.660	64	37913	42.198	ug/l	99
7) Trichlorofluoromethane	1.867	101	138044	48.558	ug/l	97
8) Diethyl Ether	2.130	74	49018	47.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	86892	50.588	ug/l	98
10) Methyl Iodide	2.447	142	111488	50.082	ug/l	100
11) Tert butyl alcohol	2.983	59	92949	251.791	ug/l	100
12) 1,1-Dichloroethene	2.306	96	83987	47.935	ug/l	95
13) Acrolein	2.233	56	91744	240.879	ug/l	98
14) Allyl chloride	2.654	41	155084	48.976	ug/l	99
15) Acrylonitrile	3.062	53	247921	251.537	ug/l	99
16) Acetone	2.379	43	205743	257.198	ug/l	98
17) Carbon Disulfide	2.501	76	237694	49.472	ug/l	100
18) Methyl Acetate	2.703	43	126015	49.920	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	275685	49.453	ug/l	99
20) Methylene Chloride	2.782	84	94006	47.978	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	84720	49.129	ug/l	98
22) Diisopropyl ether	3.757	45	300357	50.138	ug/l	98
23) Vinyl Acetate	3.715	43	1257431	257.465	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165351	49.329	ug/l	99
25) 2-Butanone	4.556	43	335358	258.175	ug/l	97
26) 2,2-Dichloropropane	4.464	77	133670	50.285	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	102518	49.493	ug/l	99
28) Bromochloromethane	4.891	49	72893	45.250	ug/l	99
29) Tetrahydrofuran	5.001	42	218496	253.318	ug/l	100
30) Chloroform	5.086	83	157312	48.393	ug/l	98
31) Cyclohexane	5.458	56	152073	49.211	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	134626	48.825	ug/l	100
36) 1,1-Dichloropropene	5.684	75	111968	48.702	ug/l	99
37) Ethyl Acetate	4.708	43	126071	49.300	ug/l	99
38) Carbon Tetrachloride	5.672	117	110581	49.083	ug/l	97
39) Methylcyclohexane	7.372	83	158289	53.254	ug/l	98
40) Benzene	6.031	78	358365	49.919	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	73559	53.741	ug/l		99
42) 1,2-Dichloroethane	6.080	62	115339	50.410	ug/l		100
43) Isopropyl Acetate	6.336	43	213901	51.798	ug/l		100
44) Trichloroethene	7.116	130	81911	49.917	ug/l		99
45) 1,2-Dichloropropane	7.427	63	89992	50.387	ug/l		98
46) Dibromomethane	7.580	93	61360	49.540	ug/l		99
47) Bromodichloromethane	7.818	83	122265	50.980	ug/l		99
48) Methyl methacrylate	7.690	41	102900	52.848	ug/l		99
49) 1,4-Dioxane	7.659	88	42658	1021.138	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	665564	265.112	ug/l		100
52) Toluene	8.714	92	216682	50.680	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	130405	53.731	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	143379	52.986	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	83510	50.811	ug/l		100
56) Ethyl methacrylate	9.116	69	143524	54.068	ug/l		99
57) 1,3-Dichloropropane	9.305	76	146236	50.852	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	370622	284.352	ug/l		99
59) 2-Hexanone	9.427	43	488298	269.951	ug/l		99
60) Dibromochloromethane	9.518	129	90826	51.673	ug/l		99
61) 1,2-Dibromoethane	9.604	107	85683	51.436	ug/l		100
64) Tetrachloroethene	9.268	164	66468	49.424	ug/l		98
65) Chlorobenzene	10.079	112	233373	50.952	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	75488	51.205	ug/l		98
67) Ethyl Benzene	10.189	91	415575	51.415	ug/l		99
68) m/p-Xylenes	10.299	106	310925	104.282	ug/l		100
69) o-Xylene	10.640	106	151995	50.804	ug/l		100
70) Styrene	10.652	104	257972	53.521	ug/l		100
71) Bromoform	10.799	173	59409	53.997	ug/l	#	100
73) Isopropylbenzene	10.957	105	390246	49.921	ug/l		100
74) N-amyl acetate	10.841	43	186145	52.621	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	129829	48.331	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	106893m	49.659	ug/l		
77) Bromobenzene	11.195	156	88129	49.725	ug/l		100
78) n-propylbenzene	11.299	91	463655	51.386	ug/l		99
79) 2-Chlorotoluene	11.360	91	272091	49.065	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	323251	50.956	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	44070	52.665	ug/l		99
82) 4-Chlorotoluene	11.451	91	312112	50.872	ug/l		100
83) tert-Butylbenzene	11.713	119	321772	50.139	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	323035	51.593	ug/l		100
85) sec-Butylbenzene	11.890	105	410197	51.617	ug/l		100
86) p-Isopropyltoluene	12.006	119	336027	52.581	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	164508	50.475	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	163203	49.526	ug/l		100
89) n-Butylbenzene	12.329	91	311764	55.142	ug/l		100
90) Hexachloroethane	12.536	117	61016	50.990	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	161590	50.447	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25339	51.684	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	102197	52.726	ug/l		99
94) Hexachlorobutadiene	13.719	225	38998	50.683	ug/l		98
95) Naphthalene	13.774	128	371576	53.033	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	100730	51.575	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

ICAL Form

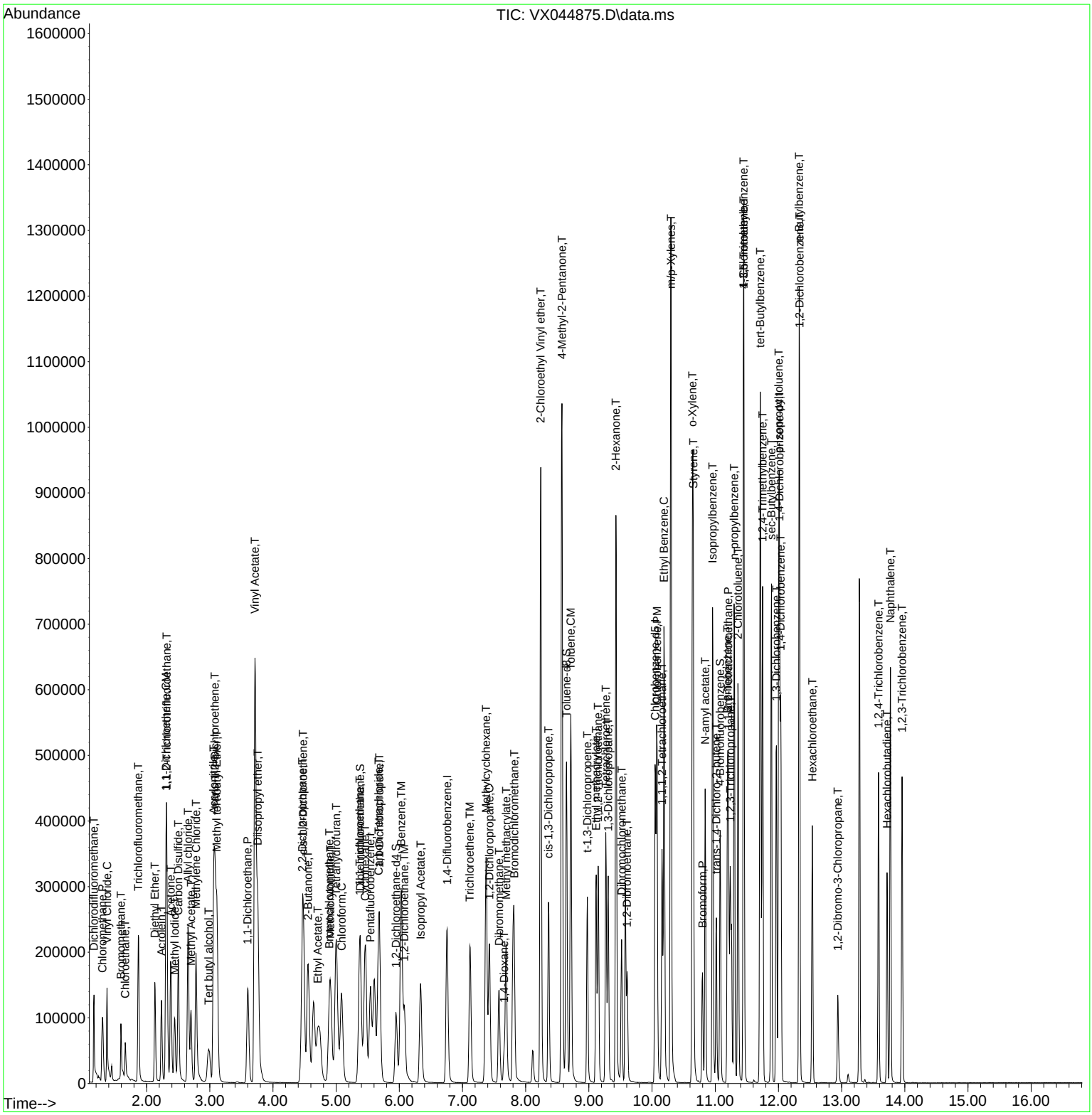
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	106	0.00
2	T	Dichlorodifluoromethane	0.701	0.690	1.6	105	0.00
3	P	Chloromethane	0.854	0.812	4.9	102	0.00
4	C	Vinyl Chloride	0.827	0.778	5.9#	102	0.00
5	T	Bromomethane	0.247	0.231	6.5	99	0.00
6	T	Chloroethane	0.307	0.279	9.1	87	0.00
7	T	Trichlorofluoromethane	1.046	1.016	2.9	105	0.00
8	T	Diethyl Ether	0.379	0.361	4.7	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.639	-1.1	109	0.00
10	T	Methyl Iodide	0.819	0.820	-0.1	103	0.00
11	T	Tert butyl alcohol	0.136	0.137	-0.7	107	0.00
12	CM	1,1-Dichloroethene	0.644	0.618	4.0#	104	0.00
13	T	Acrolein	0.140	0.135	3.6	101	0.00
14	T	Allyl chloride	1.165	1.141	2.1	105	0.00
15	T	Acrylonitrile	0.363	0.365	-0.6	102	0.00
16	T	Acetone	0.294	0.303	-3.1	110	0.00
17	T	Carbon Disulfide	1.767	1.749	1.0	105	0.00
18	T	Methyl Acetate	0.928	0.927	0.1	104	0.00
19	T	Methyl tert-butyl Ether	2.050	2.028	1.1	105	0.00
20	T	Methylene Chloride	0.721	0.692	4.0	104	0.00
21	T	trans-1,2-Dichloroethene	0.634	0.623	1.7	103	0.00
22	T	Diisopropyl ether	2.203	2.210	-0.3	105	0.00
23	T	Vinyl Acetate	1.796	1.850	-3.0	106	0.00
24	P	1,1-Dichloroethane	1.233	1.216	1.4	105	0.00
25	T	2-Butanone	0.478	0.493	-3.1	104	0.00
26	T	2,2-Dichloropropane	0.978	0.983	-0.5	110	0.00
27	T	cis-1,2-Dichloroethene	0.762	0.754	1.0	106	0.00
28	T	Bromochloromethane	0.593	0.536	9.6	98	0.00
29	T	Tetrahydrofuran	0.317	0.321	-1.3	104	0.00
30	C	Chloroform	1.196	1.157	3.3#	105	0.00
31	T	Cyclohexane	1.137	1.119	1.6	106	0.00
32	T	1,1,1-Trichloroethane	1.014	0.990	2.4	105	0.00
33	S	1,2-Dichloroethane-d4	0.732	0.704	3.8	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.325	0.320	1.5	105	0.00
36	T	1,1-Dichloropropene	0.469	0.457	2.6	103	0.00
37	T	Ethyl Acetate	0.522	0.514	1.5	102	0.00
38	T	Carbon Tetrachloride	0.460	0.451	2.0	104	0.00
39	T	Methylcyclohexane	0.606	0.646	-6.6	109	0.00
40	TM	Benzene	1.465	1.462	0.2	104	0.00
41	T	Methacrylonitrile	0.279	0.300	-7.5	104	0.00
42	TM	1,2-Dichloroethane	0.467	0.471	-0.9	105	0.00
43	T	Isopropyl Acetate	0.842	0.873	-3.7	104	0.00
44	TM	Trichloroethene	0.335	0.334	0.3	105	0.00
45	C	1,2-Dichloropropane	0.364	0.367	-0.8#	105	0.00
46	T	Dibromomethane	0.253	0.250	1.2	103	0.00
47	T	Bromodichloromethane	0.489	0.499	-2.0	105	0.00
48	T	Methyl methacrylate	0.397	0.420	-5.8	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	101	0.00
50	S	Toluene-d8	1.229	1.221	0.7	103	0.00
51	T	4-Methyl-2-Pentanone	0.512	0.543	-6.1	103	0.00
52	CM	Toluene	0.872	0.884	-1.4#	103	0.00
53	T	t-1,3-Dichloropropene	0.495	0.532	-7.5	109	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.585	-6.0	106	0.00
55	T	1,1,2-Trichloroethane	0.335	0.341	-1.8	105	0.00
56	T	Ethyl methacrylate	0.542	0.586	-8.1	106	0.00
57	T	1,3-Dichloropropane	0.587	0.597	-1.7	103	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.302	-13.5	110	0.00
59	T	2-Hexanone	0.369	0.398	-7.9	103	0.00
60	T	Dibromochloromethane	0.359	0.371	-3.3	104	0.00
61	T	1,2-Dibromoethane	0.340	0.350	-2.9	105	0.00
62	S	4-Bromofluorobenzene	0.414	0.429	-3.6	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.315	0.312	1.0	105	0.00
65	PM	Chlorobenzene	1.074	1.094	-1.9	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.346	0.354	-2.3	104	0.00
67	C	Ethyl Benzene	1.895	1.949	-2.8#	105	0.00
68	T	m/p-Xylenes	0.699	0.729	-4.3	105	0.00
69	T	o-Xylene	0.701	0.713	-1.7	105	0.00
70	T	Styrene	1.130	1.210	-7.1	105	0.00
71	P	Bromoform	0.258	0.279	-8.1	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	4.026	4.020	0.1	104	0.00
74	T	N-amyl acetate	1.822	1.917	-5.2	106	0.00
75	P	1,1,2,2-Tetrachloroethane	1.383	1.337	3.3	103	0.00
76	T	1,2,3-Trichloropropane	1.109	1.101	0.7	104	0.00
77	T	Bromobenzene	0.913	0.908	0.5	104	0.00
78	T	n-propylbenzene	4.647	4.776	-2.8	106	0.00
79	T	2-Chlorotoluene	2.856	2.803	1.9	103	0.00
80	T	1,3,5-Trimethylbenzene	3.267	3.329	-1.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	0.431	0.454	-5.3	109	0.00
82	T	4-Chlorotoluene	3.160	3.215	-1.7	105	0.00
83	T	tert-Butylbenzene	3.305	3.314	-0.3	105	0.00
84	T	1,2,4-Trimethylbenzene	3.225	3.327	-3.2	104	0.00
85	T	sec-Butylbenzene	4.093	4.225	-3.2	107	0.00
86	T	p-Isopropyltoluene	3.291	3.461	-5.2	107	0.00
87	T	1,3-Dichlorobenzene	1.678	1.694	-1.0	106	0.00
88	T	1,4-Dichlorobenzene	1.697	1.681	0.9	105	0.00
89	T	n-Butylbenzene	2.912	3.211	-10.3	108	0.00
90	T	Hexachloroethane	0.616	0.628	-1.9	107	0.00
91	T	1,2-Dichlorobenzene	1.650	1.664	-0.8	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.252	0.261	-3.6	106	0.00
93	T	1,2,4-Trichlorobenzene	0.998	1.053	-5.5	109	0.00
94	T	Hexachlorobutadiene	0.396	0.402	-1.5	110	0.00
95	T	Naphthalene	3.608	3.827	-6.1	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	1.006	1.038	-3.2	105	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	106	0.00
2	T	Dichlorodifluoromethane	50.000	49.173	1.7	105	0.00
3	P	Chloromethane	50.000	47.590	4.8	102	0.00
4	C	Vinyl Chloride	50.000	47.033	5.9#	102	0.00
5	T	Bromomethane	50.000	46.719	6.6	99	0.00
6	T	Chloroethane	50.000	42.198	15.6	87	0.00
7	T	Trichlorofluoromethane	50.000	48.558	2.9	105	0.00
8	T	Diethyl Ether	50.000	47.544	4.9	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.588	-1.2	109	0.00
10	T	Methyl Iodide	50.000	50.082	-0.2	103	0.00
11	T	Tert butyl alcohol	250.000	251.791	-0.7	107	0.00
12	CM	1,1-Dichloroethene	50.000	47.935	4.1#	104	0.00
13	T	Acrolein	250.000	240.879	3.6	101	0.00
14	T	Allyl chloride	50.000	48.976	2.0	105	0.00
15	T	Acrylonitrile	250.000	251.537	-0.6	102	0.00
16	T	Acetone	250.000	257.198	-2.9	110	0.00
17	T	Carbon Disulfide	50.000	49.472	1.1	105	0.00
18	T	Methyl Acetate	50.000	49.920	0.2	104	0.00
19	T	Methyl tert-butyl Ether	50.000	49.453	1.1	105	0.00
20	T	Methylene Chloride	50.000	47.978	4.0	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.129	1.7	103	0.00
22	T	Diisopropyl ether	50.000	50.138	-0.3	105	0.00
23	T	Vinyl Acetate	250.000	257.465	-3.0	106	0.00
24	P	1,1-Dichloroethane	50.000	49.329	1.3	105	0.00
25	T	2-Butanone	250.000	258.175	-3.3	104	0.00
26	T	2,2-Dichloropropane	50.000	50.285	-0.6	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.493	1.0	106	0.00
28	T	Bromochloromethane	50.000	45.250	9.5	98	0.00
29	T	Tetrahydrofuran	250.000	253.318	-1.3	104	0.00
30	C	Chloroform	50.000	48.393	3.2#	105	0.00
31	T	Cyclohexane	50.000	49.211	1.6	106	0.00
32	T	1,1,1-Trichloroethane	50.000	48.825	2.3	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.061	3.9	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	49.173	1.7	105	0.00
36	T	1,1-Dichloropropene	50.000	48.702	2.6	103	0.00
37	T	Ethyl Acetate	50.000	49.300	1.4	102	0.00
38	T	Carbon Tetrachloride	50.000	49.083	1.8	104	0.00
39	T	Methylcyclohexane	50.000	53.254	-6.5	109	0.00
40	TM	Benzene	50.000	49.919	0.2	104	0.00
41	T	Methacrylonitrile	50.000	53.741	-7.5	104	0.00
42	TM	1,2-Dichloroethane	50.000	50.410	-0.8	105	0.00
43	T	Isopropyl Acetate	50.000	51.798	-3.6	104	0.00
44	TM	Trichloroethene	50.000	49.917	0.2	105	0.00
45	C	1,2-Dichloropropane	50.000	50.387	-0.8#	105	0.00
46	T	Dibromomethane	50.000	49.540	0.9	103	0.00
47	T	Bromodichloromethane	50.000	50.980	-2.0	105	0.00
48	T	Methyl methacrylate	50.000	52.848	-5.7	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	1021.138	-2.1	101	0.00
50	S	Toluene-d8	50.000	49.649	0.7	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	265.112	-6.0	103	0.00
52	CM	Toluene	50.000	50.680	-1.4#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	53.731	-7.5	109	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.986	-6.0	106	0.00
55	T	1,1,2-Trichloroethane	50.000	50.811	-1.6	105	0.00
56	T	Ethyl methacrylate	50.000	54.068	-8.1	106	0.00
57	T	1,3-Dichloropropane	50.000	50.852	-1.7	103	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	284.352	-13.7	110	0.00
59	T	2-Hexanone	250.000	269.951	-8.0	103	0.00
60	T	Dibromochloromethane	50.000	51.673	-3.3	104	0.00
61	T	1,2-Dibromoethane	50.000	51.436	-2.9	105	0.00
62	S	4-Bromofluorobenzene	50.000	51.786	-3.6	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	49.424	1.2	105	0.00
65	PM	Chlorobenzene	50.000	50.952	-1.9	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.205	-2.4	104	0.00
67	C	Ethyl Benzene	50.000	51.415	-2.8#	105	0.00
68	T	m/p-Xylenes	100.000	104.282	-4.3	105	0.00
69	T	o-Xylene	50.000	50.804	-1.6	105	0.00
70	T	Styrene	50.000	53.521	-7.0	105	0.00
71	P	Bromoform	50.000	53.997	-8.0	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	49.921	0.2	104	0.00
74	T	N-amyl acetate	50.000	52.621	-5.2	106	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.331	3.3	103	0.00
76	T	1,2,3-Trichloropropane	50.000	49.659	0.7	104	0.00
77	T	Bromobenzene	50.000	49.725	0.5	104	0.00
78	T	n-propylbenzene	50.000	51.386	-2.8	106	0.00
79	T	2-Chlorotoluene	50.000	49.065	1.9	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.956	-1.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.665	-5.3	109	0.00
82	T	4-Chlorotoluene	50.000	50.872	-1.7	105	0.00
83	T	tert-Butylbenzene	50.000	50.139	-0.3	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.593	-3.2	104	0.00
85	T	sec-Butylbenzene	50.000	51.617	-3.2	107	0.00
86	T	p-Isopropyltoluene	50.000	52.581	-5.2	107	0.00
87	T	1,3-Dichlorobenzene	50.000	50.475	-1.0	106	0.00
88	T	1,4-Dichlorobenzene	50.000	49.526	0.9	105	0.00
89	T	n-Butylbenzene	50.000	55.142	-10.3	108	0.00
90	T	Hexachloroethane	50.000	50.990	-2.0	107	0.00
91	T	1,2-Dichlorobenzene	50.000	50.447	-0.9	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.684	-3.4	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.726	-5.5	109	0.00
94	T	Hexachlorobutadiene	50.000	50.683	-1.4	110	0.00
95	T	Naphthalene	50.000	53.033	-6.1	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.575	-3.2	105	0.00

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

Raw Data: **VX044920.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.: Q1355 SAS No.: Q1355 SDG No.: Q1355

Instrument ID: MSVOA_X Calibration Date/Time: 02/12/2025 10:07

Lab File ID: VX044920.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.701	0.718		2.42	20
Chloromethane	0.854	0.820	0.1	-3.98	20
Vinyl Chloride	0.827	0.797		-3.63	20
Bromomethane	0.247	0.256		3.64	20
Chloroethane	0.307	0.389		26.71	20
Trichlorofluoromethane	1.046	1.056		0.96	20
1,1,2-Trichlorotrifluoroethane	0.632	0.642		1.58	20
Tert butyl alcohol	0.136	0.120		-11.77	20
1,1-Dichloroethene	0.644	0.613		-4.81	20
Acetone	0.294	0.293		-0.34	20
Carbon Disulfide	1.767	1.633		-7.58	20
Methyl tert-butyl Ether	2.050	1.992		-2.83	20
Methyl Acetate	0.928	0.895		-3.56	20
Methylene Chloride	0.721	0.687		-4.72	20
trans-1,2-Dichloroethene	0.634	0.601		-5.2	20
1,1-Dichloroethane	1.233	1.202	0.1	-2.51	20
Cyclohexane	1.137	1.079		-5.1	20
2-Butanone	0.478	0.466		-2.51	20
Carbon Tetrachloride	0.460	0.463		0.65	20
cis-1,2-Dichloroethene	0.762	0.733		-3.81	20
Bromochloromethane	0.593	0.601		1.35	20
Chloroform	1.196	1.159		-3.09	20
1,1,1-Trichloroethane	1.014	0.988		-2.56	20
Methylcyclohexane	0.606	0.636		4.95	20
Benzene	1.465	1.458		-0.48	20
1,2-Dichloroethane	0.467	0.483		3.43	20
Trichloroethene	0.335	0.330		-1.49	20
1,2-Dichloropropane	0.364	0.366		0.55	20
Bromodichloromethane	0.489	0.505		3.27	20
4-Methyl-2-Pentanone	0.512	0.531		3.71	20
Toluene	0.872	0.887		1.72	20
t-1,3-Dichloropropene	0.495	0.514		3.84	20
cis-1,3-Dichloropropene	0.552	0.566		2.54	20
1,1,2-Trichloroethane	0.335	0.334		-0.3	20
2-Hexanone	0.369	0.382		3.52	20
Dibromochloromethane	0.359	0.367		2.23	20
1,2-Dibromoethane	0.340	0.343		0.88	20
Tetrachloroethene	0.315	0.319		1.27	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1355 SAS No.: Q1355 SDG No.: Q1355

Instrument ID: MSVOA_X Calibration Date/Time: 02/12/2025 10:07

Lab File ID: VX044920.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.074	1.085	0.3	1.02	20
Ethyl Benzene	1.895	1.934		2.06	20
m/p-Xylenes	0.699	0.715		2.29	20
o-Xylene	0.701	0.711		1.43	20
Styrene	1.130	1.191		5.4	20
Bromoform	0.258	0.269	0.1	4.26	20
Isopropylbenzene	4.026	4.000		-0.65	20
1,1,2,2-Tetrachloroethane	1.383	1.289	0.3	-6.8	20
1,3-Dichlorobenzene	1.678	1.658		-1.19	20
1,4-Dichlorobenzene	1.697	1.647		-2.95	20
1,2-Dichlorobenzene	1.650	1.611		-2.36	20
1,2-Dibromo-3-Chloropropane	0.252	0.242		-3.97	20
1,2,4-Trichlorobenzene	0.998	1.015		1.7	20
1,2,3-Trichlorobenzene	1.006	1.022		1.59	20
1,2-Dichloroethane-d4	0.732	0.766		4.64	20
Dibromofluoromethane	0.325	0.353		8.61	20
Toluene-d8	1.229	1.313		6.84	20
4-Bromofluorobenzene	0.414	0.448		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.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044920.D
Acq On : 12 Feb 2025 10:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 00:46:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	120105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	211946	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	185163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	91954	52.302	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.600%			
35) Dibromofluoromethane	5.373	113	74881	54.340	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.680%			
50) Toluene-d8	8.641	98	278211	53.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.780%			
62) 4-Bromofluorobenzene	11.079	95	95016	54.089	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	86249	51.201	ug/l	100
3) Chloromethane	1.300	50	98529	48.058	ug/l	97
4) Vinyl Chloride	1.374	62	95759	48.212	ug/l	100
5) Bromomethane	1.593	94	30797	51.816	ug/l	98
6) Chloroethane	1.666	64	46742	64.424	ug/l	98
7) Trichlorofluoromethane	1.873	101	126873	50.511	ug/l	99
8) Diethyl Ether	2.130	74	45317	49.748	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	77108	50.809	ug/l	100
10) Methyl Iodide	2.447	142	100548	51.121	ug/l	99
11) Tert butyl alcohol	2.983	59	71926	220.523	ug/l	99
12) 1,1-Dichloroethene	2.312	96	73660	47.582	ug/l	97
13) Acrolein	2.233	56	82049	243.819	ug/l	97
14) Allyl chloride	2.654	41	134496	48.073	ug/l	97
15) Acrylonitrile	3.062	53	213802	245.512	ug/l	99
16) Acetone	2.379	43	175667	248.546	ug/l	98
17) Carbon Disulfide	2.501	76	196175	46.213	ug/l	100
18) Methyl Acetate	2.696	43	107526	48.211	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	239250	48.574	ug/l	98
20) Methylene Chloride	2.782	84	82539	47.678	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	72134	47.344	ug/l	89
22) Diisopropyl ether	3.751	45	261816	49.465	ug/l	90
23) Vinyl Acetate	3.715	43	1071727	248.365	ug/l	100
24) 1,1-Dichloroethane	3.599	63	144325	48.732	ug/l	99
25) 2-Butanone	4.550	43	279933	243.912	ug/l	97
26) 2,2-Dichloropropane	4.464	77	113866	48.481	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	87985	48.076	ug/l	99
28) Bromochloromethane	4.885	49	72142	50.687	ug/l	99
29) Tetrahydrofuran	4.995	42	183038	240.180	ug/l	99
30) Chloroform	5.080	83	139181	48.459	ug/l	97
31) Cyclohexane	5.458	56	129630	47.478	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	118700	48.724	ug/l	99
36) 1,1-Dichloropropene	5.684	75	98671	49.631	ug/l	99
37) Ethyl Acetate	4.708	43	106523	48.172	ug/l	99
38) Carbon Tetrachloride	5.665	117	98102	50.355	ug/l	99
39) Methylcyclohexane	7.372	83	134748	52.425	ug/l	98
40) Benzene	6.025	78	309040	49.781	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044920.D
Acq On : 12 Feb 2025 10:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 00:46:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	62387	52.708	ug/l		99
42) 1,2-Dichloroethane	6.074	62	102405	51.758	ug/l		99
43) Isopropyl Acetate	6.330	43	181205	50.744	ug/l		99
44) Trichloroethene	7.116	130	69974	49.313	ug/l		98
45) 1,2-Dichloropropane	7.421	63	77497	50.178	ug/l		99
46) Dibromomethane	7.574	93	53707	50.143	ug/l		99
47) Bromodichloromethane	7.811	83	106971	51.579	ug/l		96
48) Methyl methacrylate	7.683	41	86305	51.258	ug/l		98
49) 1,4-Dioxane	7.659	88	35447	981.246	ug/l		99
51) 4-Methyl-2-Pentanone	8.567	43	562757	259.224	ug/l		99
52) Toluene	8.714	92	188063	50.867	ug/l		99
53) t-1,3-Dichloropropene	8.970	75	108842	51.862	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	120059	51.308	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	70772	49.796	ug/l		97
56) Ethyl methacrylate	9.110	69	117608	51.235	ug/l		98
57) 1,3-Dichloropropane	9.305	76	125770	50.576	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.232	63	298625	264.951	ug/l		99
59) 2-Hexanone	9.427	43	404473	258.586	ug/l		98
60) Dibromochloromethane	9.518	129	77715	51.129	ug/l		99
61) 1,2-Dibromoethane	9.604	107	72757	50.508	ug/l		98
64) Tetrachloroethene	9.268	164	59146	50.651	ug/l		98
65) Chlorobenzene	10.073	112	200858	50.505	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	64502	50.389	ug/l		99
67) Ethyl Benzene	10.189	91	358077	51.021	ug/l		99
68) m/p-Xylenes	10.299	106	264855	102.304	ug/l		99
69) o-Xylene	10.640	106	131657	50.681	ug/l		100
70) Styrene	10.652	104	220619	52.714	ug/l		99
71) Bromoform	10.793	173	49868	52.200	ug/l	#	99
73) Isopropylbenzene	10.957	105	336153	49.681	ug/l		99
74) N-amyl acetate	10.841	43	151720	49.552	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	108321	46.588	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	90536m	48.593	ug/l		
77) Bromobenzene	11.195	156	76664	49.976	ug/l		98
78) n-propylbenzene	11.299	91	397362	50.880	ug/l		100
79) 2-Chlorotoluene	11.360	91	233123	48.568	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	276841	50.419	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	34230	47.260	ug/l		98
82) 4-Chlorotoluene	11.451	91	268620	50.585	ug/l		99
83) tert-Butylbenzene	11.713	119	275866	49.664	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	275526	50.841	ug/l		99
85) sec-Butylbenzene	11.884	105	352655	51.270	ug/l		100
86) p-Isopropyltoluene	12.006	119	285566	51.626	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	139339	49.394	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	138443	48.539	ug/l		99
89) n-Butylbenzene	12.329	91	263985	53.945	ug/l		100
90) Hexachloroethane	12.536	117	50761	49.010	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	135345	48.817	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20298	47.833	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	85318	50.856	ug/l		99
94) Hexachlorobutadiene	13.719	225	34467	51.753	ug/l		98
95) Naphthalene	13.774	128	299724	49.423	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	85892	50.809	ug/l		99

Sample Results: **VX044920.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044920.D
Acq On : 12 Feb 2025 10:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 00:46:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

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

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

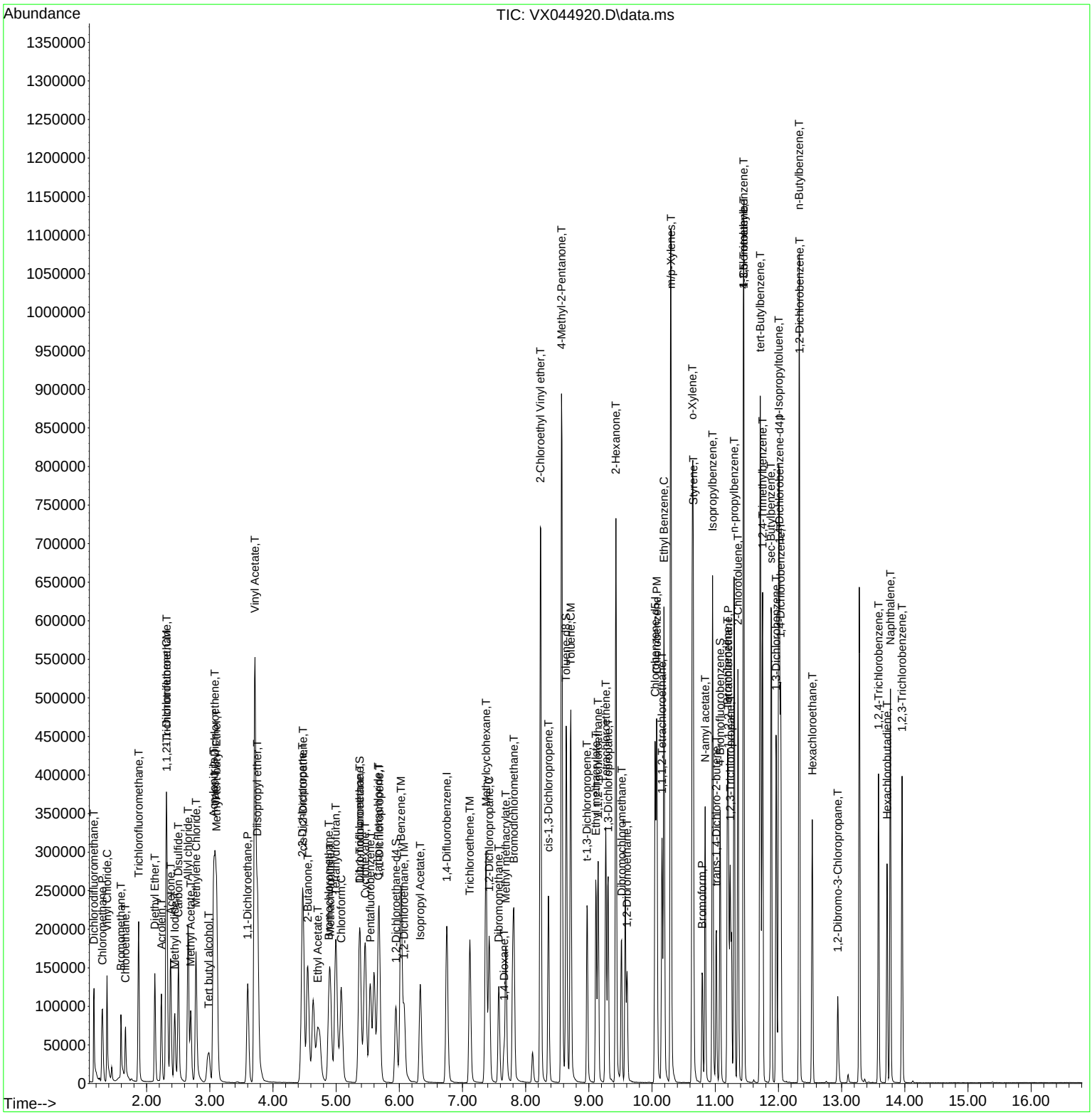
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044920.D
Acq On : 12 Feb 2025 10:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 00:46:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



Sample Results: **VX044920.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044920.D
Acq On : 12 Feb 2025 10:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 13 00:46:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	0.701	0.718	-2.4	96	0.00
3	P	Chloromethane	0.854	0.820	4.0	91	0.00
4	C	Vinyl Chloride	0.827	0.797	3.6#	93	0.00
5	T	Bromomethane	0.247	0.256	-3.6	97	0.00
6	T	Chloroethane	0.307	0.389	-26.7#	107	0.00
7	T	Trichlorofluoromethane	1.046	1.056	-1.0	96	0.00
8	T	Diethyl Ether	0.379	0.377	0.5	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.642	-1.6	96	0.00
10	T	Methyl Iodide	0.819	0.837	-2.2	93	0.00
11	T	Tert butyl alcohol	0.136	0.120	11.8	82	0.00
12	CM	1,1-Dichloroethene	0.644	0.613	4.8#	91	0.00
13	T	Acrolein	0.140	0.137	2.1	91	0.00
14	T	Allyl chloride	1.165	1.120	3.9	91	0.00
15	T	Acrylonitrile	0.363	0.356	1.9	88	0.00
16	T	Acetone	0.294	0.293	0.3	94	0.00
17	T	Carbon Disulfide	1.767	1.633	7.6	87	0.00
18	T	Methyl Acetate	0.928	0.895	3.6	89	0.00
19	T	Methyl tert-butyl Ether	2.050	1.992	2.8	91	0.00
20	T	Methylene Chloride	0.721	0.687	4.7	92	0.00
21	T	trans-1,2-Dichloroethene	0.634	0.601	5.2	88	0.00
22	T	Diisopropyl ether	2.203	2.180	1.0	91	0.00
23	T	Vinyl Acetate	1.796	1.785	0.6	90	0.00
24	P	1,1-Dichloroethane	1.233	1.202	2.5	92	0.00
25	T	2-Butanone	0.478	0.466	2.5	87	0.00
26	T	2,2-Dichloropropane	0.978	0.948	3.1	93	0.00
27	T	cis-1,2-Dichloroethene	0.762	0.733	3.8	91	0.00
28	T	Bromochloromethane	0.593	0.601	-1.3	97	0.00
29	T	Tetrahydrofuran	0.317	0.305	3.8	87	0.00
30	C	Chloroform	1.196	1.159	3.1#	93	0.00
31	T	Cyclohexane	1.137	1.079	5.1	90	0.00
32	T	1,1,1-Trichloroethane	1.014	0.988	2.6	92	0.00
33	S	1,2-Dichloroethane-d4	0.732	0.766	-4.6	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.325	0.353	-8.6	100	0.00
36	T	1,1-Dichloropropene	0.469	0.466	0.6	91	0.00
37	T	Ethyl Acetate	0.522	0.503	3.6	86	0.00
38	T	Carbon Tetrachloride	0.460	0.463	-0.7	93	0.00
39	T	Methylcyclohexane	0.606	0.636	-5.0	93	0.00
40	TM	Benzene	1.465	1.458	0.5	90	0.00
41	T	Methacrylonitrile	0.279	0.294	-5.4	88	0.00
42	TM	1,2-Dichloroethane	0.467	0.483	-3.4	93	0.00
43	T	Isopropyl Acetate	0.842	0.855	-1.5	89	0.00
44	TM	Trichloroethene	0.335	0.330	1.5	89	0.00
45	C	1,2-Dichloropropane	0.364	0.366	-0.5#	90	0.00
46	T	Dibromomethane	0.253	0.253	0.0	90	0.00
47	T	Bromodichloromethane	0.489	0.505	-3.3	92	0.00
48	T	Methyl methacrylate	0.397	0.407	-2.5	88	0.00

Sample Results: **VX044920.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044920.D
Acq On : 12 Feb 2025 10:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 13 00:46:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.008	11.1	84	0.00
50	S	Toluene-d8	1.229	1.313	-6.8	96	0.00
51	T	4-Methyl-2-Pentanone	0.512	0.531	-3.7	87	0.00
52	CM	Toluene	0.872	0.887	-1.7#	90	0.00
53	T	t-1,3-Dichloropropene	0.495	0.514	-3.8	91	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.566	-2.5	89	0.00
55	T	1,1,2-Trichloroethane	0.335	0.334	0.3	89	0.00
56	T	Ethyl methacrylate	0.542	0.555	-2.4	87	0.00
57	T	1,3-Dichloropropane	0.587	0.593	-1.0	89	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.282	-6.0	89	0.00
59	T	2-Hexanone	0.369	0.382	-3.5	86	0.00
60	T	Dibromochloromethane	0.359	0.367	-2.2	89	0.00
61	T	1,2-Dibromoethane	0.340	0.343	-0.9	89	0.00
62	S	4-Bromofluorobenzene	0.414	0.448	-8.2	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
64	T	Tetrachloroethene	0.315	0.319	-1.3	93	0.00
65	PM	Chlorobenzene	1.074	1.085	-1.0	90	0.00
66	T	1,1,1,2-Tetrachloroethane	0.346	0.348	-0.6	89	0.00
67	C	Ethyl Benzene	1.895	1.934	-2.1#	90	0.00
68	T	m/p-Xylenes	0.699	0.715	-2.3	89	0.00
69	T	o-Xylene	0.701	0.711	-1.4	91	0.00
70	T	Styrene	1.130	1.191	-5.4	90	0.00
71	P	Bromoform	0.258	0.269	-4.3	87	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73	T	Isopropylbenzene	4.026	4.000	0.6	90	0.00
74	T	N-amyl acetate	1.822	1.805	0.9	86	0.00
75	P	1,1,2,2-Tetrachloroethane	1.383	1.289	6.8	86	0.00
76	T	1,2,3-Trichloropropane	1.109	1.077	2.9	88	0.00
77	T	Bromobenzene	0.913	0.912	0.1	91	0.00
78	T	n-propylbenzene	4.647	4.729	-1.8	91	0.00
79	T	2-Chlorotoluene	2.856	2.774	2.9	89	0.00
80	T	1,3,5-Trimethylbenzene	3.267	3.294	-0.8	90	0.00
81	T	trans-1,4-Dichloro-2-butene	0.431	0.407	5.6	85	0.00
82	T	4-Chlorotoluene	3.160	3.197	-1.2	91	0.00
83	T	tert-Butylbenzene	3.305	3.283	0.7	90	0.00
84	T	1,2,4-Trimethylbenzene	3.225	3.279	-1.7	89	0.00
85	T	sec-Butylbenzene	4.093	4.197	-2.5	92	0.00
86	T	p-Isopropyltoluene	3.291	3.398	-3.3	91	0.00
87	T	1,3-Dichlorobenzene	1.678	1.658	1.2	90	0.00
88	T	1,4-Dichlorobenzene	1.697	1.647	2.9	89	0.00
89	T	n-Butylbenzene	2.912	3.141	-7.9	92	0.00
90	T	Hexachloroethane	0.616	0.604	1.9	89	0.00
91	T	1,2-Dichlorobenzene	1.650	1.611	2.4	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.252	0.242	4.0	85	0.00
93	T	1,2,4-Trichlorobenzene	0.998	1.015	-1.7	91	0.00
94	T	Hexachlorobutadiene	0.396	0.410	-3.5	97	0.00
95	T	Naphthalene	3.608	3.567	1.1	86	0.00

Sample Results: **VX044920.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044920.D
Acq On : 12 Feb 2025 10:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 13 00:46:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	1.006	1.022	-1.6	90	0.00

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

Evaluate Continuing Calibration Report

Sample Results: **VX044920.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044920.D
Acq On : 12 Feb 2025 10:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 13 00:46:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	50.000	51.201	-2.4	96	0.00
3	P	Chloromethane	50.000	48.058	3.9	91	0.00
4	C	Vinyl Chloride	50.000	48.212	3.6#	93	0.00
5	T	Bromomethane	50.000	51.816	-3.6	97	0.00
6	T	Chloroethane	50.000	64.424	-28.8#	107	0.00
7	T	Trichlorofluoromethane	50.000	50.511	-1.0	96	0.00
8	T	Diethyl Ether	50.000	49.748	0.5	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.809	-1.6	96	0.00
10	T	Methyl Iodide	50.000	51.121	-2.2	93	0.00
11	T	Tert butyl alcohol	250.000	220.523	11.8	82	0.00
12	CM	1,1-Dichloroethene	50.000	47.582	4.8#	91	0.00
13	T	Acrolein	250.000	243.819	2.5	91	0.00
14	T	Allyl chloride	50.000	48.073	3.9	91	0.00
15	T	Acrylonitrile	250.000	245.512	1.8	88	0.00
16	T	Acetone	250.000	248.546	0.6	94	0.00
17	T	Carbon Disulfide	50.000	46.213	7.6	87	0.00
18	T	Methyl Acetate	50.000	48.211	3.6	89	0.00
19	T	Methyl tert-butyl Ether	50.000	48.574	2.9	91	0.00
20	T	Methylene Chloride	50.000	47.678	4.6	92	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.344	5.3	88	0.00
22	T	Diisopropyl ether	50.000	49.465	1.1	91	0.00
23	T	Vinyl Acetate	250.000	248.365	0.7	90	0.00
24	P	1,1-Dichloroethane	50.000	48.732	2.5	92	0.00
25	T	2-Butanone	250.000	243.912	2.4	87	0.00
26	T	2,2-Dichloropropane	50.000	48.481	3.0	93	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.076	3.8	91	0.00
28	T	Bromochloromethane	50.000	50.687	-1.4	97	0.00
29	T	Tetrahydrofuran	250.000	240.180	3.9	87	0.00
30	C	Chloroform	50.000	48.459	3.1#	93	0.00
31	T	Cyclohexane	50.000	47.478	5.0	90	0.00
32	T	1,1,1-Trichloroethane	50.000	48.724	2.6	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.302	-4.6	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	54.340	-8.7	100	0.00
36	T	1,1-Dichloropropene	50.000	49.631	0.7	91	0.00
37	T	Ethyl Acetate	50.000	48.172	3.7	86	0.00
38	T	Carbon Tetrachloride	50.000	50.355	-0.7	93	0.00
39	T	Methylcyclohexane	50.000	52.425	-4.8	93	0.00
40	TM	Benzene	50.000	49.781	0.4	90	0.00
41	T	Methacrylonitrile	50.000	52.708	-5.4	88	0.00
42	TM	1,2-Dichloroethane	50.000	51.758	-3.5	93	0.00
43	T	Isopropyl Acetate	50.000	50.744	-1.5	89	0.00
44	TM	Trichloroethene	50.000	49.313	1.4	89	0.00
45	C	1,2-Dichloropropane	50.000	50.178	-0.4#	90	0.00
46	T	Dibromomethane	50.000	50.143	-0.3	90	0.00
47	T	Bromodichloromethane	50.000	51.579	-3.2	92	0.00
48	T	Methyl methacrylate	50.000	51.258	-2.5	88	0.00

Sample Results: **VX044920.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044920.D
Acq On : 12 Feb 2025 10:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 13 00:46:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	981.246	1.9	84	0.00
50	S	Toluene-d8	50.000	53.391	-6.8	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.224	-3.7	87	0.00
52	CM	Toluene	50.000	50.867	-1.7#	90	0.00
53	T	t-1,3-Dichloropropene	50.000	51.862	-3.7	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.308	-2.6	89	0.00
55	T	1,1,2-Trichloroethane	50.000	49.796	0.4	89	0.00
56	T	Ethyl methacrylate	50.000	51.235	-2.5	87	0.00
57	T	1,3-Dichloropropane	50.000	50.576	-1.2	89	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	264.951	-6.0	89	0.00
59	T	2-Hexanone	250.000	258.586	-3.4	86	0.00
60	T	Dibromochloromethane	50.000	51.129	-2.3	89	0.00
61	T	1,2-Dibromoethane	50.000	50.508	-1.0	89	0.00
62	S	4-Bromofluorobenzene	50.000	54.089	-8.2	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	90	0.00
64	T	Tetrachloroethene	50.000	50.651	-1.3	93	0.00
65	PM	Chlorobenzene	50.000	50.505	-1.0	90	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.389	-0.8	89	0.00
67	C	Ethyl Benzene	50.000	51.021	-2.0#	90	0.00
68	T	m/p-Xylenes	100.000	102.304	-2.3	89	0.00
69	T	o-Xylene	50.000	50.681	-1.4	91	0.00
70	T	Styrene	50.000	52.714	-5.4	90	0.00
71	P	Bromoform	50.000	52.200	-4.4	87	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73	T	Isopropylbenzene	50.000	49.681	0.6	90	0.00
74	T	N-amyl acetate	50.000	49.552	0.9	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.588	6.8	86	0.00
76	T	1,2,3-Trichloropropane	50.000	48.593	2.8	88	0.00
77	T	Bromobenzene	50.000	49.976	0.0	91	0.00
78	T	n-propylbenzene	50.000	50.880	-1.8	91	0.00
79	T	2-Chlorotoluene	50.000	48.568	2.9	89	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.419	-0.8	90	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.260	5.5	85	0.00
82	T	4-Chlorotoluene	50.000	50.585	-1.2	91	0.00
83	T	tert-Butylbenzene	50.000	49.664	0.7	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.841	-1.7	89	0.00
85	T	sec-Butylbenzene	50.000	51.270	-2.5	92	0.00
86	T	p-Isopropyltoluene	50.000	51.626	-3.3	91	0.00
87	T	1,3-Dichlorobenzene	50.000	49.394	1.2	90	0.00
88	T	1,4-Dichlorobenzene	50.000	48.539	2.9	89	0.00
89	T	n-Butylbenzene	50.000	53.945	-7.9	92	0.00
90	T	Hexachloroethane	50.000	49.010	2.0	89	0.00
91	T	1,2-Dichlorobenzene	50.000	48.817	2.4	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.833	4.3	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.856	-1.7	91	0.00
94	T	Hexachlorobutadiene	50.000	51.753	-3.5	97	0.00
95	T	Naphthalene	50.000	49.423	1.2	86	0.00

Sample Results: **VX044920.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044920.D
Acq On : 12 Feb 2025 10:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 13 00:46:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.809	-1.6	90	0.00

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

QC SAMPLE DATA

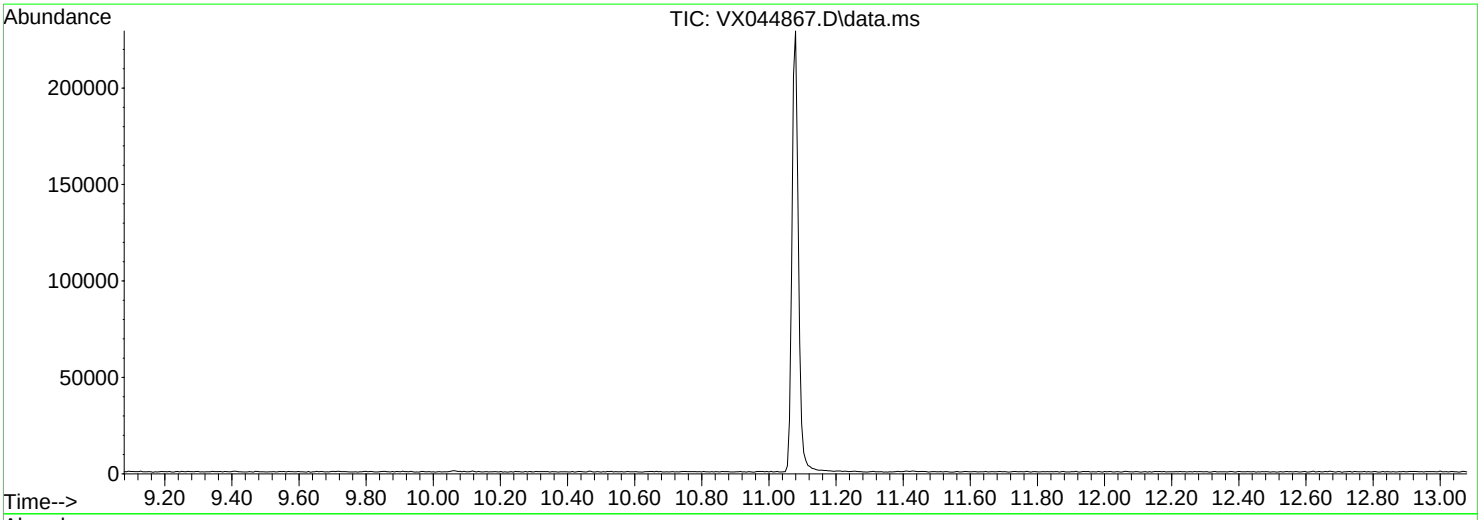
Sample Results: **VX044867.D**

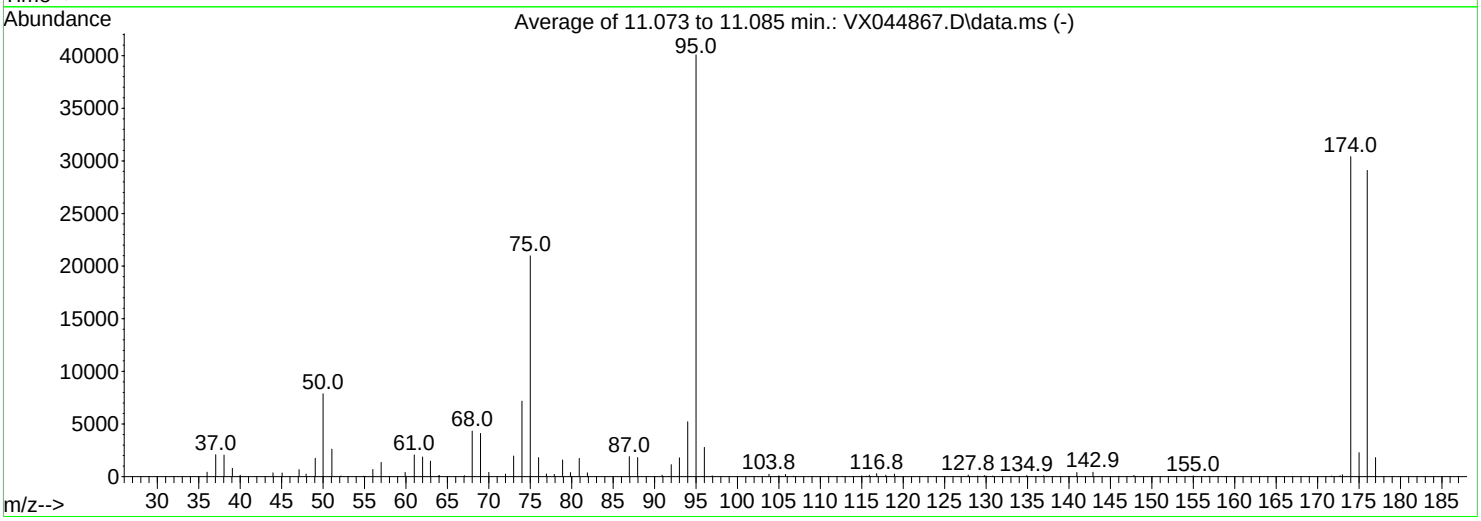
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044867.D
Acq On : 10 Feb 2025 09:35
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	7876	PASS
75	95	30	60	52.3	20977	PASS
95	95	100	100	100.0	40077	PASS
96	95	5	9	6.9	2783	PASS
173	174	0.00	2	0.6	186	PASS
174	95	50	100	75.9	30400	PASS
175	174	5	9	7.5	2286	PASS
176	174	95	101	95.7	29104	PASS
177	176	5	9	6.2	1810	PASS

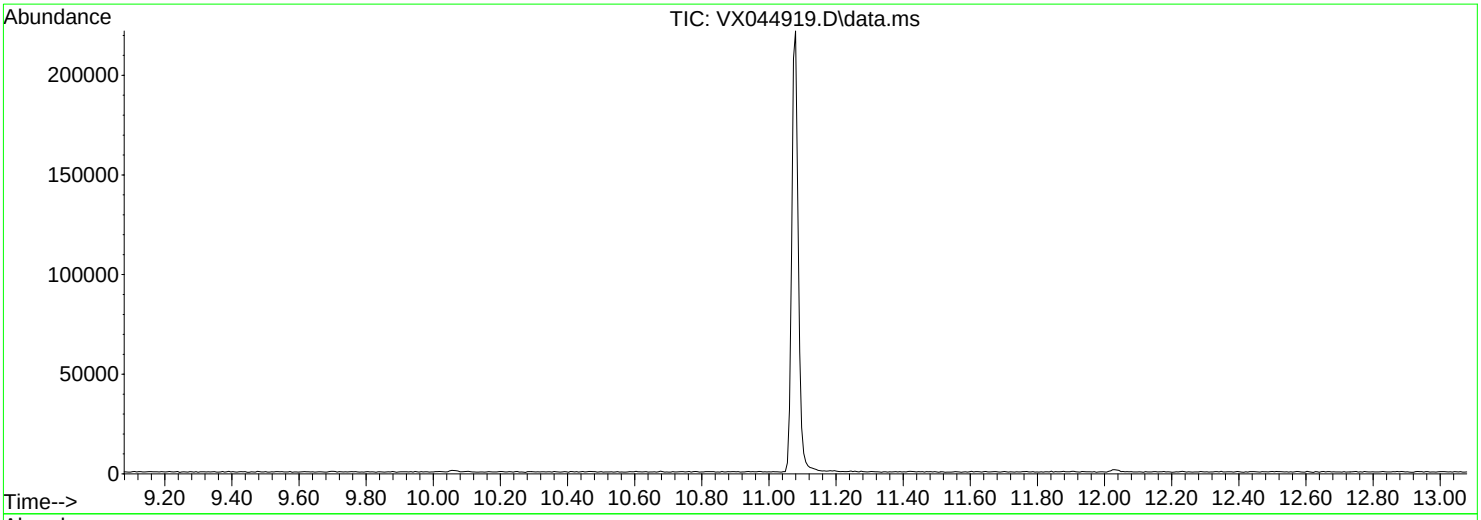
Sample Results: **VX044919.D**

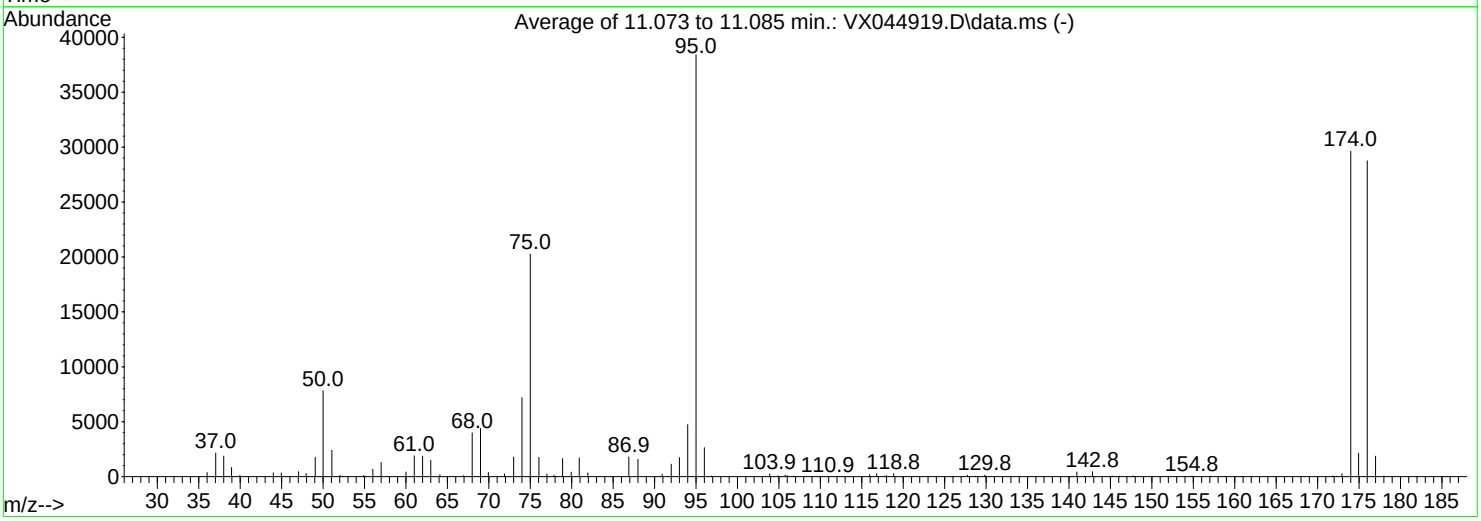
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044919.D
Acq On : 12 Feb 2025 09:39
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	7821	PASS
75	95	30	60	52.7	20242	PASS
95	95	100	100	100.0	38403	PASS
96	95	5	9	6.9	2639	PASS
173	174	0.00	2	0.9	265	PASS
174	95	50	100	77.1	29621	PASS
175	174	5	9	7.2	2137	PASS
176	174	95	101	97.1	28763	PASS
177	176	5	9	6.5	1865	PASS

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:	Amsterdam	Date Received:	
Client Sample ID:	VX0212WBL01	SDG No.:	Q1355
Lab Sample ID:	VX0212WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044922.D	1		02/12/25 10:57	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

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:	Amsterdam	Date Received:	
Client Sample ID:	VX0212WBL01	SDG No.:	Q1355
Lab Sample ID:	VX0212WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044922.D	1		02/12/25 10:57	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	97000	5.544			
540-36-3	1,4-Difluorobenzene	194000	6.757			
3114-55-4	Chlorobenzene-d5	177000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	76200	12.018			

Raw Data: **VX044922.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:	Amsterdam		Date Received:		
Client Sample ID:	VX0212WBL01		SDG No.:	Q1355	
Lab Sample ID:	VX0212WBL01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044922.D	1		02/12/25 10:57	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044922.D
Acq On : 12 Feb 2025 10:57
Operator : JC/MD
Sample : VX0212WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBL01

Quant Time: Feb 13 00:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

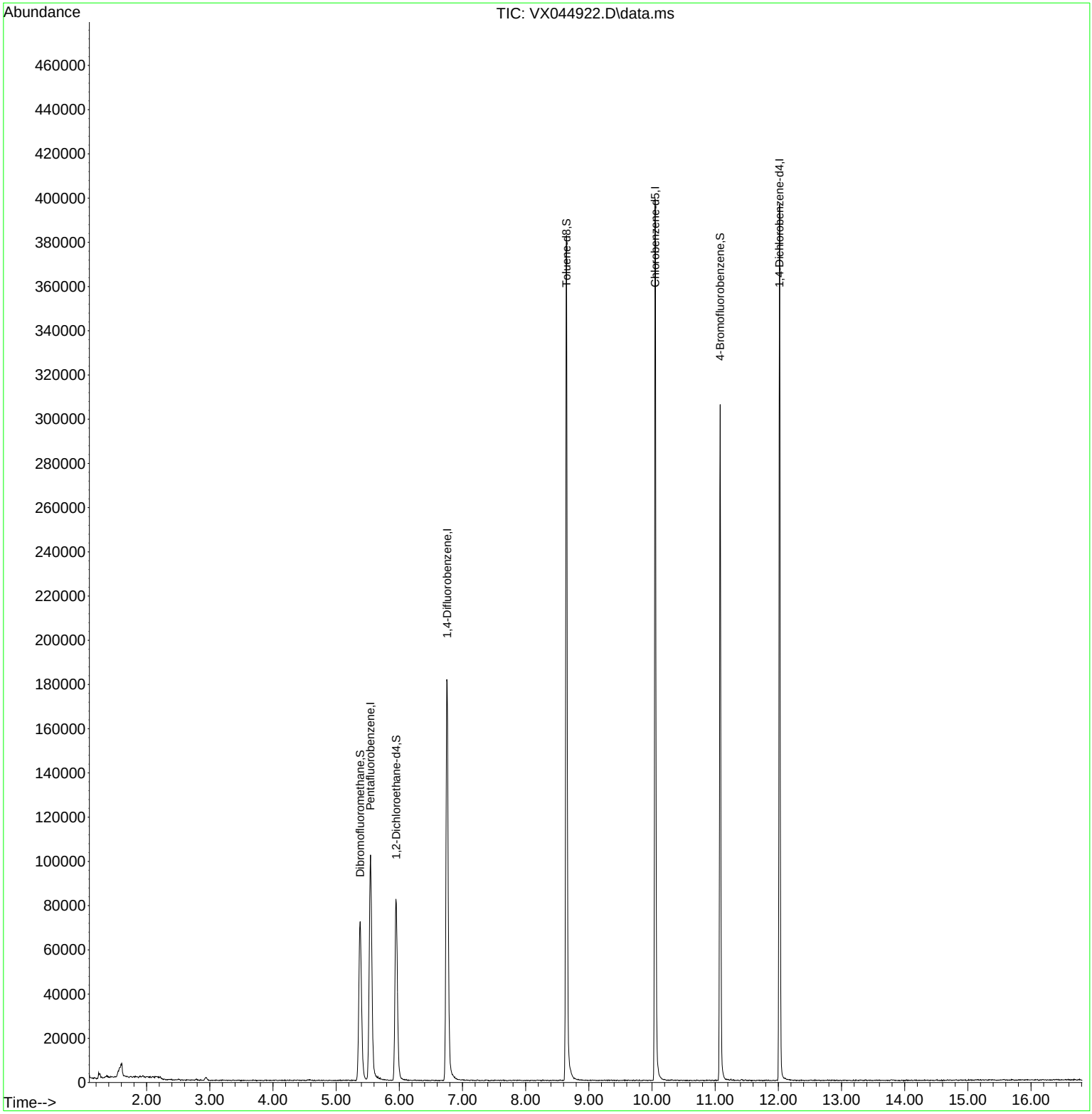
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	96997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	194457	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	176635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76805	54.093	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.180%			
35) Dibromofluoromethane	5.379	113	64443	50.972	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.940%			
50) Toluene-d8	8.647	98	239094	50.011	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.020%			
62) 4-Bromofluorobenzene	11.079	95	82286	51.055	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.120%			
Target Compounds						Qvalue

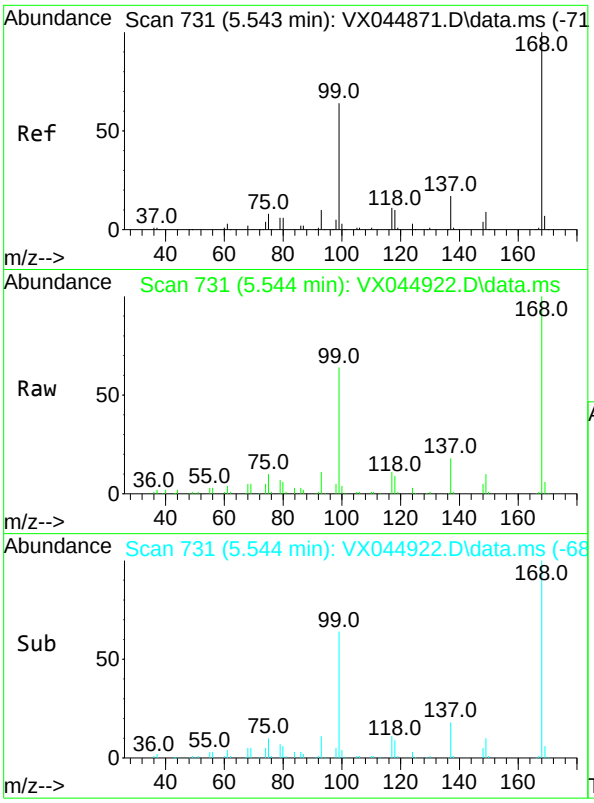
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044922.D
Acq On : 12 Feb 2025 10:57
Operator : JC/MD
Sample : VX0212WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBL01

Quant Time: Feb 13 00:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



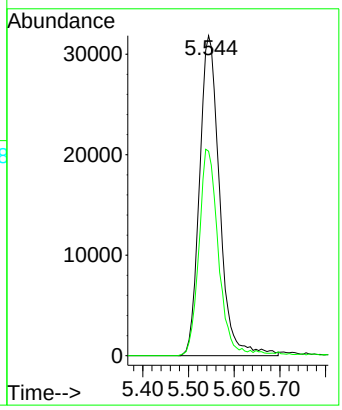


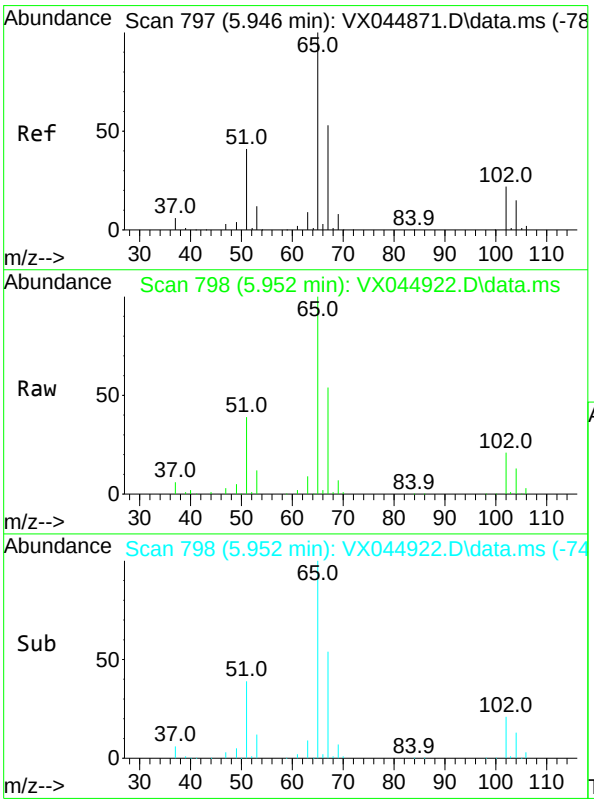
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044922.D
Acq: 12 Feb 2025 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBL01

Tgt Ion:168 Resp: 96997

Ion	Ratio	Lower	Upper
168	100		
99	63.9	51.2	76.8

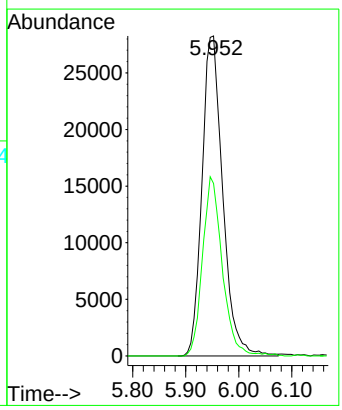


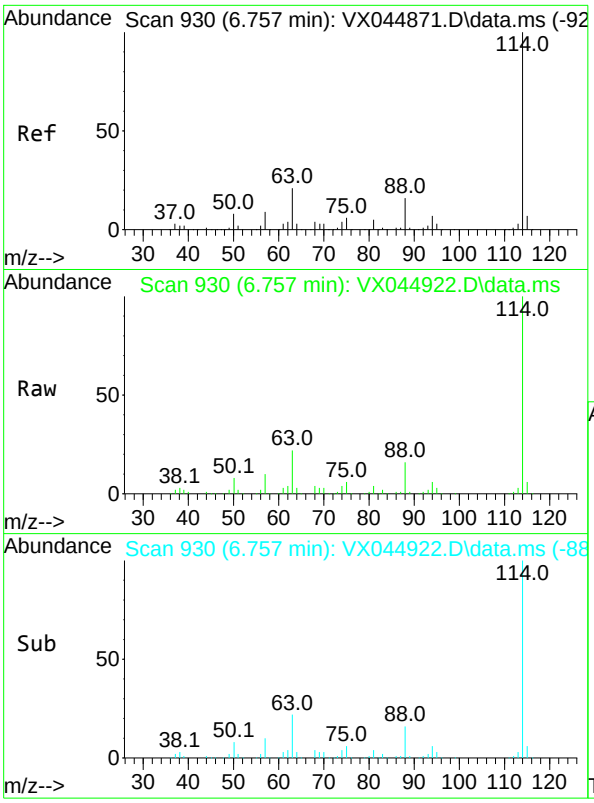


#33
1,2-Dichloroethane-d4
Concen: 54.093 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.007 min
Lab File: VX044922.D
Acq: 12 Feb 2025 10:57

Tgt Ion: 65 Resp: 76805

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.2



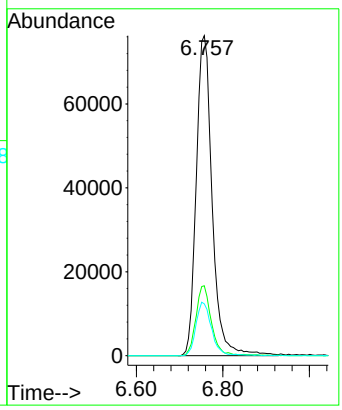


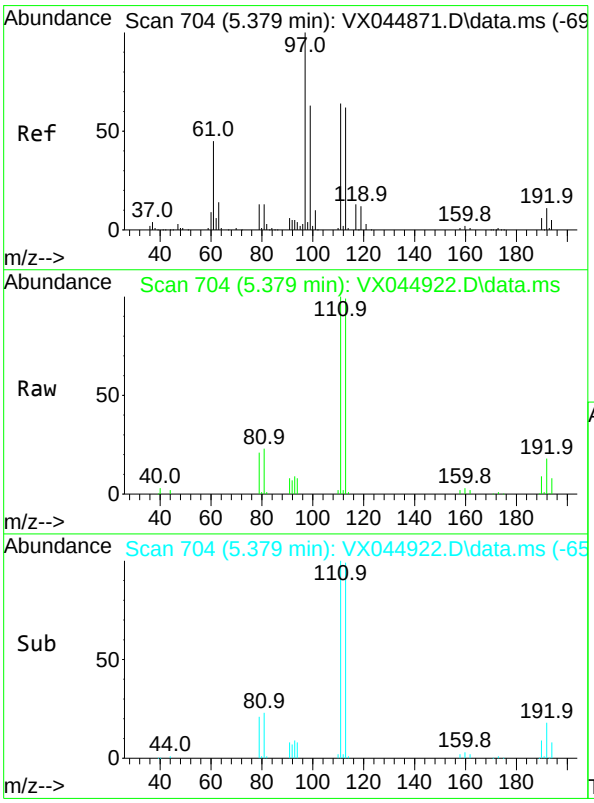
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044922.D
Acq: 12 Feb 2025 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBL01

Tgt Ion:114 Resp: 194457

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.4
88	16.2	0.0	31.4

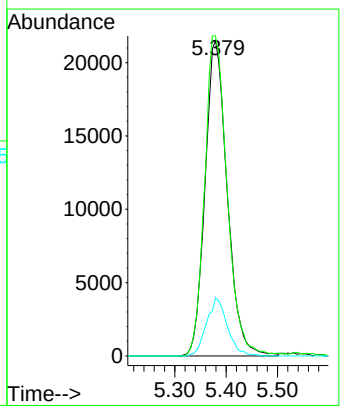


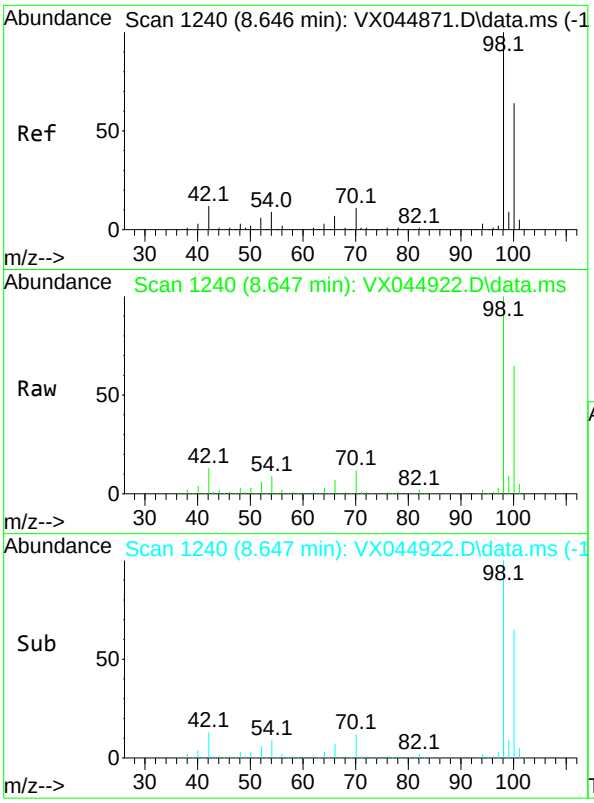


#35
Dibromofluoromethane
Concen: 50.972 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044922.D
Acq: 12 Feb 2025 10:57

Tgt Ion:113 Resp: 64443

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.5	125.3
192	17.2	14.4	21.6



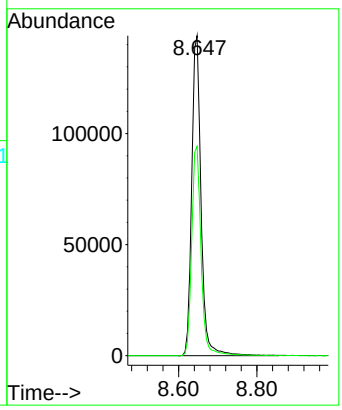


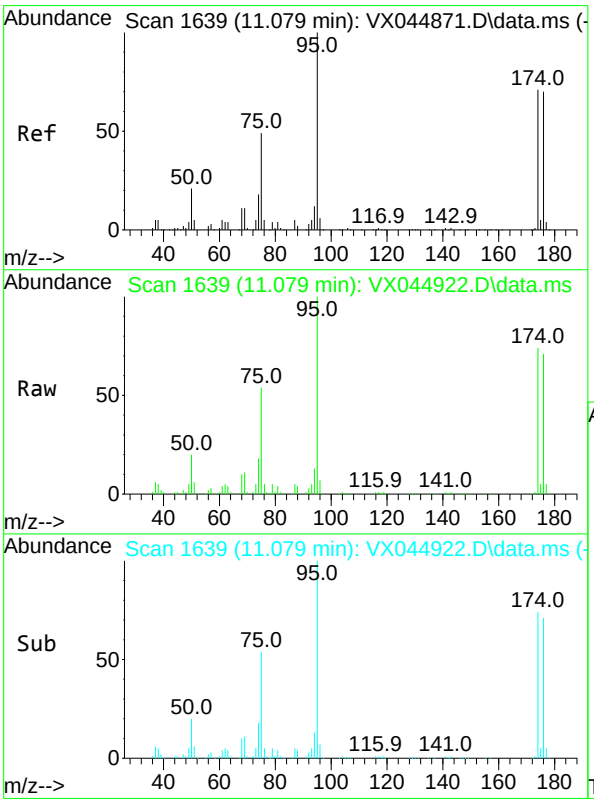
#50
Toluene-d8
Concen: 50.011 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044922.D
Acq: 12 Feb 2025 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBL01

Tgt Ion: 98 Resp: 239094

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1

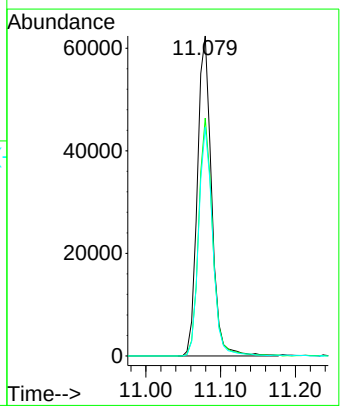


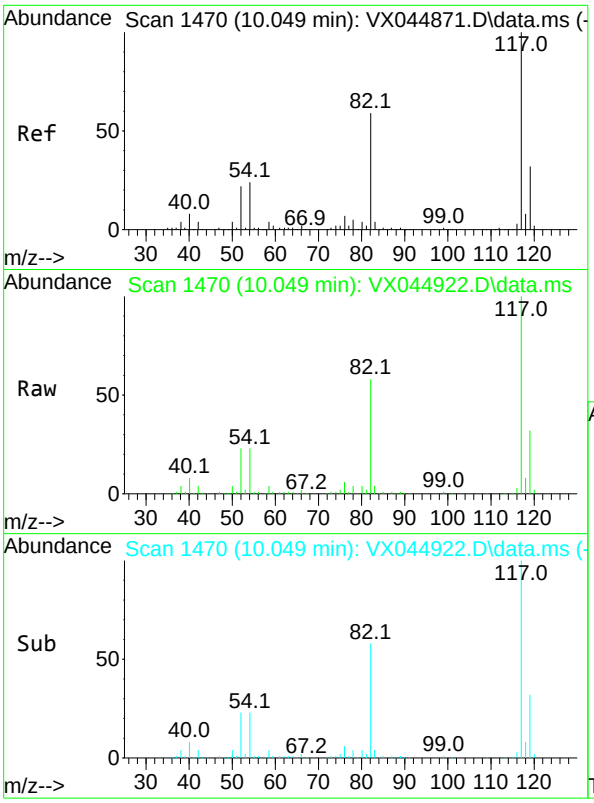


#62
4-Bromofluorobenzene
Concen: 51.055 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044922.D
Acq: 12 Feb 2025 10:57

Tgt Ion: 95 Resp: 82286

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	142.6
176	70.1	0.0	141.6



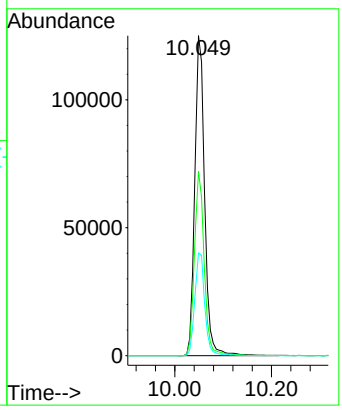


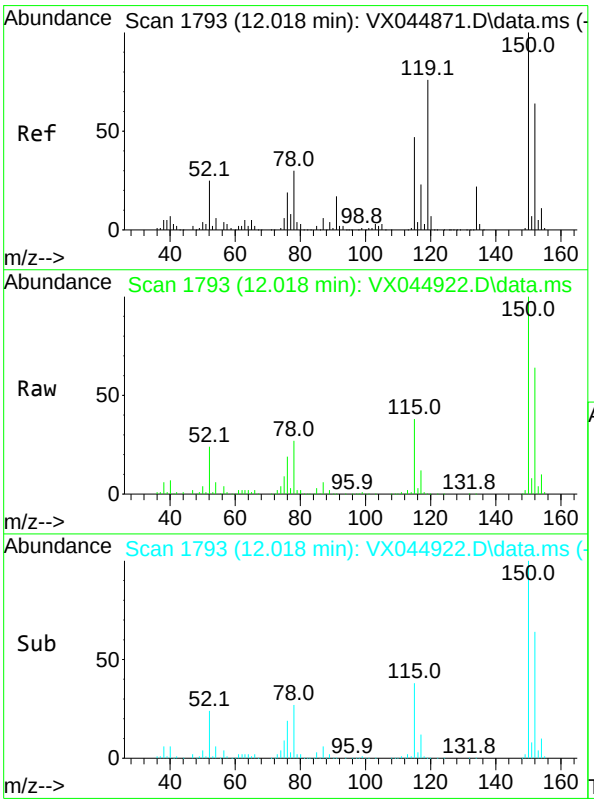
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044922.D
Acq: 12 Feb 2025 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBL01

Tgt Ion:117 Resp: 176635

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.5	71.3
119	32.1	25.4	38.0

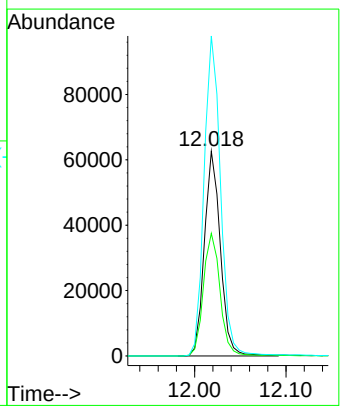




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044922.D
Acq: 12 Feb 2025 10:57

Tgt Ion:152 Resp: 76229

Ion	Ratio	Lower	Upper
152	100		
115	62.3	43.4	130.1
150	161.5	0.0	350.4



Sample Results: **VX044922.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044922.D
Acq On : 12 Feb 2025 10:57
Operator : JC/MD
Sample : VX0212WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260

Signal : TIC: VX044922.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.575	71	80	81	rBV5	4129	9179	1.43%	0.278%
2	1.605	81	85	90	rVB3	5717	10571	1.65%	0.321%
3	5.379	693	704	719	rBV2	71991	214956	33.48%	6.519%
4	5.544	720	731	745	rBV2	101418	289590	45.11%	8.783%
5	5.946	789	797	816	rBV	82003	223112	34.75%	6.767%
6	6.751	921	929	949	rBV	181394	457468	71.25%	13.874%
7	8.647	1233	1240	1259	rBV	382248	642029	100.00%	19.472%
8	10.049	1465	1470	1488	rBV	398650	558142	86.93%	16.928%
9	11.079	1634	1639	1653	rBV	305686	400524	62.38%	12.147%
10	12.018	1788	1793	1804	rBV	396332	491657	76.58%	14.911%

Sum of corrected areas: 3297228

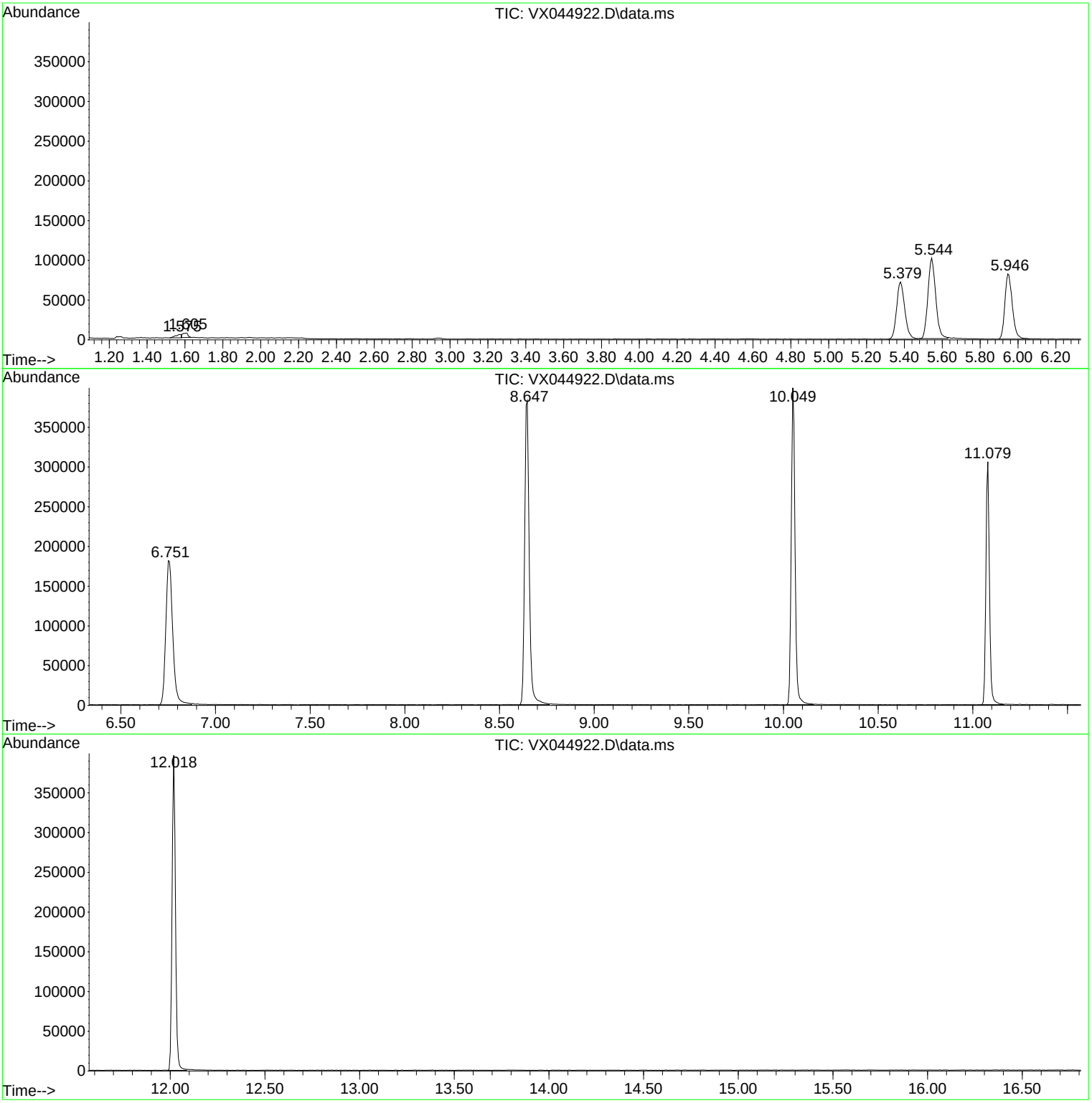
Sample Results: **VX044922.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044922.D
Acq On : 12 Feb 2025 10:57
Operator : JC/MD
Sample : VX0212WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX044922.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044922.D
Acq On : 12 Feb 2025 10:57
Operator : JC/MD
Sample : VX0212WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044922.D
Acq On : 12 Feb 2025 10:57
Operator : JC/MD
Sample : VX0212WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.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: **VX044923.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:	Amsterdam	Date Received:	
Client Sample ID:	VX0212WBS01	SDG No.:	Q1355
Lab Sample ID:	VX0212WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044923.D	1		02/12/25 11:20	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.1		0.21	1.00	ug/L
74-87-3	Chloromethane	18.4		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.7		0.34	1.00	ug/L
74-83-9	Bromomethane	20.2		1.40	5.00	ug/L
75-00-3	Chloroethane	21.8		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.9		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.9		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	92.4		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.3		0.26	1.00	ug/L
67-64-1	Acetone	95.2		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.9		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.6		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.8		0.60	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.2		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.60	5.00	ug/L
78-93-3	2-Butanone	97.1		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.0		0.25	1.00	ug/L
74-97-5	Bromochloromethane	18.0		0.18	1.00	ug/L
67-66-3	Chloroform	19.1		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	18.8		0.19	1.00	ug/L
71-43-2	Benzene	18.9		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.5		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	19.1		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L

Raw Data: **VX044923.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:	Amsterdam	Date Received:	
Client Sample ID:	VX0212WBS01	SDG No.:	Q1355
Lab Sample ID:	VX0212WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044923.D	1		02/12/25 11:20	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	19.1		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.0		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.1		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	18.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.9		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.9		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	38.3		0.31	2.00	ug/L
95-47-6	o-Xylene	18.9		0.14	1.00	ug/L
100-42-5	Styrene	19.3		0.16	1.00	ug/L
75-25-2	Bromoform	18.9		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.6		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.7		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.9		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.7		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	111000	5.543			
540-36-3	1,4-Difluorobenzene	204000	6.757			
3114-55-4	Chlorobenzene-d5	179000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	82300	12.018			

Raw Data: **VX044923.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:	Amsterdam	Date Received:	
Client Sample ID:	VX0212WBS01	SDG No.:	Q1355
Lab Sample ID:	VX0212WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044923.D	1		02/12/25 11:20	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044923.D
Acq On : 12 Feb 2025 11:20
Operator : JC/MD
Sample : VX0212WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 13 00:47:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	111261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	204350	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	179478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	82301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81774	50.209	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.420%			
35) Dibromofluoromethane	5.379	113	65583	49.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.720%			
50) Toluene-d8	8.647	98	247053	49.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.340%			
62) 4-Bromofluorobenzene	11.079	95	85651	50.570	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	29797	19.095	ug/l	98
3) Chloromethane	1.300	50	34997	18.427	ug/l	100
4) Vinyl Chloride	1.373	62	32596	17.716	ug/l	98
5) Bromomethane	1.593	94	11098	20.156	ug/l	96
6) Chloroethane	1.666	64	16921	21.813	ug/l	93
7) Trichlorofluoromethane	1.873	101	44002	18.911	ug/l	98
8) Diethyl Ether	2.129	74	16393	19.426	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.324	101	26558	18.891	ug/l	99
10) Methyl Iodide	2.446	142	35166	19.301	ug/l	98
11) Tert butyl alcohol	2.977	59	27915	92.390	ug/l	100
12) 1,1-Dichloroethene	2.312	96	26286	18.330	ug/l	93
13) Acrolein	2.233	56	33487	107.421	ug/l	99
14) Allyl chloride	2.660	41	47738	18.419	ug/l	98
15) Acrylonitrile	3.062	53	77467	96.028	ug/l	99
16) Acetone	2.379	43	62338	95.211	ug/l	97
17) Carbon Disulfide	2.507	76	66564	16.927	ug/l	99
18) Methyl Acetate	2.696	43	40821	19.757	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	84907	18.609	ug/l	97
20) Methylene Chloride	2.782	84	29468	18.375	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	25735	18.233	ug/l	94
22) Diisopropyl ether	3.757	45	92775	18.921	ug/l	94
23) Vinyl Acetate	3.714	43	367002	91.811	ug/l	98
24) 1,1-Dichloroethane	3.605	63	50977	18.581	ug/l	98
25) 2-Butanone	4.556	43	103185	97.054	ug/l	95
26) 2,2-Dichloropropane	4.464	77	38585	17.734	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	32165	18.972	ug/l	99
28) Bromochloromethane	4.885	49	23788	18.042	ug/l	99
29) Tetrahydrofuran	5.001	42	67521	95.643	ug/l	99
30) Chloroform	5.086	83	50826	19.103	ug/l	99
31) Cyclohexane	5.464	56	45845	18.126	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	42322	18.753	ug/l	99
36) 1,1-Dichloropropene	5.684	75	35178	18.352	ug/l	100
37) Ethyl Acetate	4.714	43	39995	18.759	ug/l	100
38) Carbon Tetrachloride	5.671	117	34481	18.357	ug/l	99
39) Methylcyclohexane	7.372	83	46566	18.791	ug/l	96
40) Benzene	6.031	78	113256	18.922	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044923.D
Acq On : 12 Feb 2025 11:20
Operator : JC/MD
Sample : VX0212WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 13 00:47:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	22027	19.301	ug/l		97
42) 1,2-Dichloroethane	6.086	62	37792	19.811	ug/l		98
43) Isopropyl Acetate	6.336	43	63554	18.459	ug/l		98
44) Trichloroethene	7.122	130	24953	18.239	ug/l		100
45) 1,2-Dichloropropane	7.427	63	27612	18.543	ug/l		94
46) Dibromomethane	7.580	93	19672	19.049	ug/l		98
47) Bromodichloromethane	7.817	83	38240	19.124	ug/l		98
48) Methyl methacrylate	7.689	41	31017	19.106	ug/l		97
49) 1,4-Dioxane	7.659	88	13925	399.801	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	211899	101.236	ug/l		97
52) Toluene	8.714	92	67935	19.058	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	36346	17.962	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	40844	18.104	ug/l		99
55) 1,1,2-Trichloroethane	9.146	97	26296	19.190	ug/l		98
56) Ethyl methacrylate	9.116	69	40980	18.516	ug/l		97
57) 1,3-Dichloropropane	9.305	76	46604	19.438	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	104955	96.581	ug/l		100
59) 2-Hexanone	9.427	43	154657	102.550	ug/l		98
60) Dibromochloromethane	9.518	129	27533	18.788	ug/l		99
61) 1,2-Dibromoethane	9.604	107	26548	19.115	ug/l		96
64) Tetrachloroethene	9.268	164	21396	18.903	ug/l		98
65) Chlorobenzene	10.073	112	72694	18.857	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22294	17.968	ug/l		96
67) Ethyl Benzene	10.189	91	128430	18.879	ug/l		99
68) m/p-Xylenes	10.299	106	96088	38.291	ug/l		99
69) o-Xylene	10.640	106	47534	18.878	ug/l		100
70) Styrene	10.652	104	78288	19.298	ug/l		99
71) Bromoform	10.799	173	17535	18.936	ug/l	#	98
73) Isopropylbenzene	10.957	105	120952	18.252	ug/l		100
74) N-amyl acetate	10.841	43	55519	18.514	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	42256	18.556	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	33758m	18.500	ug/l		
77) Bromobenzene	11.195	156	28158	18.742	ug/l		97
78) n-propylbenzene	11.298	91	140438	18.361	ug/l		99
79) 2-Chlorotoluene	11.359	91	86613	18.425	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	100686	18.723	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	11525	16.247	ug/l		91
82) 4-Chlorotoluene	11.451	91	97212	18.692	ug/l		99
83) tert-Butylbenzene	11.713	119	100970	18.560	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	102485	19.309	ug/l		99
85) sec-Butylbenzene	11.890	105	126144	18.725	ug/l		100
86) p-Isopropyltoluene	12.006	119	102245	18.873	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	51423	18.612	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	52003	18.616	ug/l		99
89) n-Butylbenzene	12.329	91	89228	18.617	ug/l		99
90) Hexachloroethane	12.536	117	17270	17.025	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	52467	19.322	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7371	17.736	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	29489	17.948	ug/l		99
94) Hexachlorobutadiene	13.725	225	12394	19.001	ug/l		98
95) Naphthalene	13.774	128	110501	18.605	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	30930	18.682	ug/l		99

Sample Results: **VX044923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044923.D
Acq On : 12 Feb 2025 11:20
Operator : JC/MD
Sample : VX0212WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

Quant Time: Feb 13 00:47:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

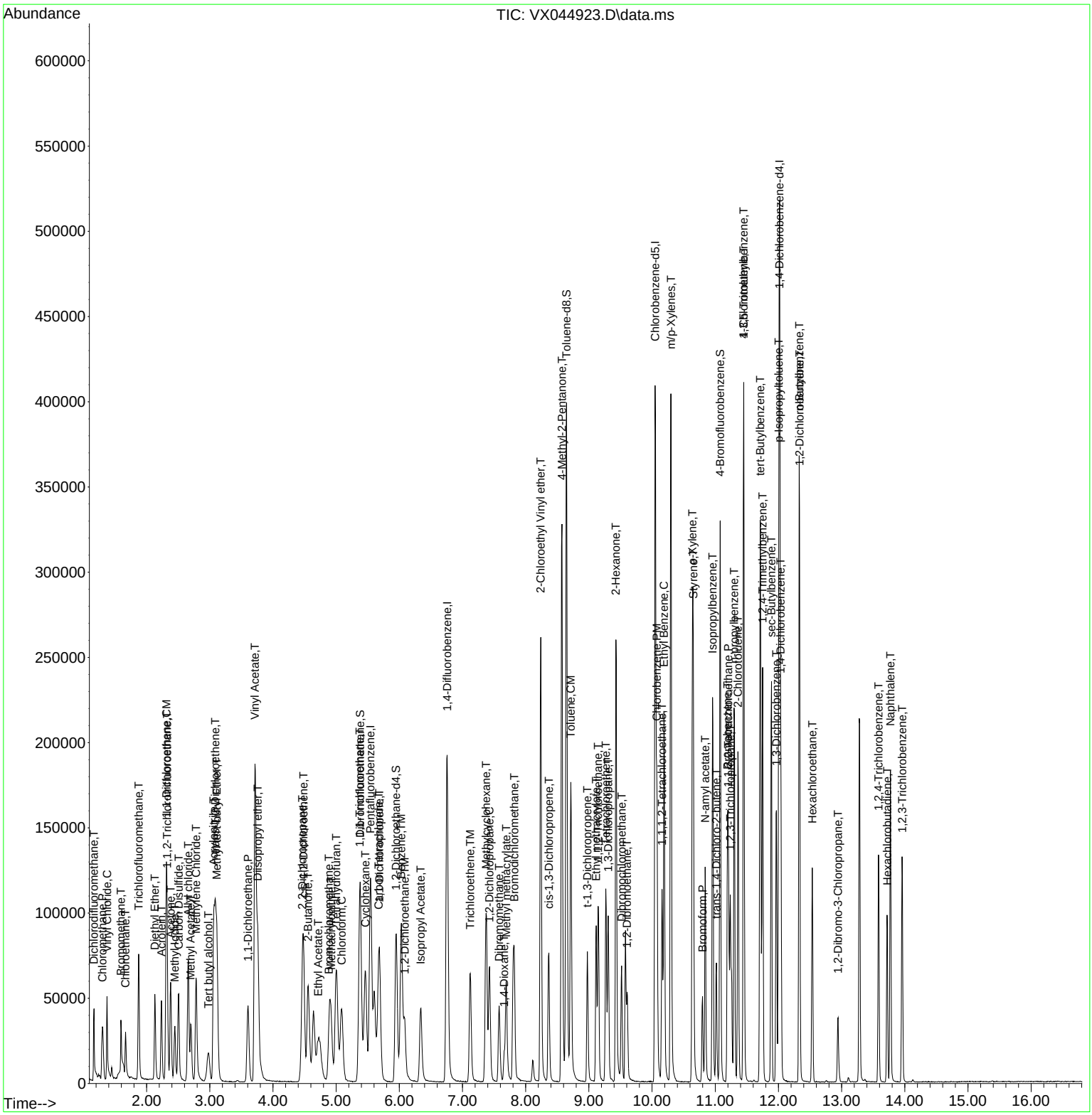
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044923.D
Acq On : 12 Feb 2025 11:20
Operator : JC/MD
Sample : VX0212WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 13 00:47:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



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:	Amsterdam	Date Received:	
Client Sample ID:	VX0212WBSD01	SDG No.:	Q1355
Lab Sample ID:	VX0212WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044924.D	1		02/12/25 11:46	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.5		0.21	1.00	ug/L
74-87-3	Chloromethane	17.6		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	16.9		0.34	1.00	ug/L
74-83-9	Bromomethane	19.4		1.40	5.00	ug/L
75-00-3	Chloroethane	22.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	97.7		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	1.00	ug/L
67-64-1	Acetone	98.2		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.9		0.60	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.8		1.60	5.00	ug/L
78-93-3	2-Butanone	99.3		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.25	1.00	ug/L
74-97-5	Bromochloromethane	18.0		0.18	1.00	ug/L
67-66-3	Chloroform	18.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.2		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.4		0.19	1.00	ug/L
71-43-2	Benzene	18.9		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L

Raw Data: **VX044924.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:	Amsterdam	Date Received:	
Client Sample ID:	VX0212WBSD01	SDG No.:	Q1355
Lab Sample ID:	VX0212WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044924.D	1		02/12/25 11:46	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	19.4		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.8		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.6		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	38.9		0.31	2.00	ug/L
95-47-6	o-Xylene	19.5		0.14	1.00	ug/L
100-42-5	Styrene	19.7		0.16	1.00	ug/L
75-25-2	Bromoform	19.4		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.7		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.2		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.1		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.8		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.5		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.4		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	49.4		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	109000	5.544			
540-36-3	1,4-Difluorobenzene	196000	6.751			
3114-55-4	Chlorobenzene-d5	173000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	79600	12.018			

Raw Data: **VX044924.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:	Amsterdam		Date Received:		
Client Sample ID:	VX0212WBSD01		SDG No.:	Q1355	
Lab Sample ID:	VX0212WBSD01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044924.D	1		02/12/25 11:46	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044924.D
Acq On : 12 Feb 2025 11:46
Operator : JC/MD
Sample : VX0212WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 13 00:48:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	109124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	195530	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	172961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	80512	50.403	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.800%			
35) Dibromofluoromethane	5.379	113	62877	49.460	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.920%			
50) Toluene-d8	8.647	98	237599	49.426	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.860%			
62) 4-Bromofluorobenzene	11.079	95	82362	50.822	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	28368	18.535	ug/l	98
3) Chloromethane	1.300	50	32731	17.571	ug/l	97
4) Vinyl Chloride	1.374	62	30493	16.897	ug/l	99
5) Bromomethane	1.593	94	10500	19.444	ug/l	96
6) Chloroethane	1.666	64	16764	22.039	ug/l	96
7) Trichlorofluoromethane	1.874	101	42415	18.586	ug/l	98
8) Diethyl Ether	2.130	74	15579	18.823	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	25639	18.594	ug/l	98
10) Methyl Iodide	2.447	142	33551	18.775	ug/l	98
11) Tert butyl alcohol	2.977	59	28954	97.705	ug/l	100
12) 1,1-Dichloroethene	2.312	96	24602	17.491	ug/l	98
13) Acrolein	2.233	56	33787	110.506	ug/l	99
14) Allyl chloride	2.654	41	45724	17.988	ug/l	96
15) Acrylonitrile	3.062	53	78273	98.927	ug/l	100
16) Acetone	2.380	43	63063	98.205	ug/l	100
17) Carbon Disulfide	2.501	76	64096	16.618	ug/l	100
18) Methyl Acetate	2.703	43	40286	19.880	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	83480	18.654	ug/l	99
20) Methylene Chloride	2.782	84	29005	18.440	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	24931	18.010	ug/l	99
22) Diisopropyl ether	3.757	45	90509	18.821	ug/l	92
23) Vinyl Acetate	3.715	43	368403	93.966	ug/l	99
24) 1,1-Dichloroethane	3.605	63	50302	18.694	ug/l	99
25) 2-Butanone	4.556	43	103530	99.286	ug/l	96
26) 2,2-Dichloropropane	4.465	77	37530	17.587	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	30826	18.539	ug/l	100
28) Bromochloromethane	4.891	49	23310	18.026	ug/l	100
29) Tetrahydrofuran	5.001	42	68341	98.700	ug/l	99
30) Chloroform	5.086	83	48606	18.626	ug/l	94
31) Cyclohexane	5.458	56	44168	17.805	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	40279	18.197	ug/l	99
36) 1,1-Dichloropropene	5.684	75	33377	18.198	ug/l	100
37) Ethyl Acetate	4.708	43	39407	19.317	ug/l	100
38) Carbon Tetrachloride	5.672	117	33581	18.684	ug/l	97
39) Methylcyclohexane	7.373	83	46041	19.417	ug/l	99
40) Benzene	6.031	78	108219	18.896	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044924.D
Acq On : 12 Feb 2025 11:46
Operator : JC/MD
Sample : VX0212WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 13 00:48:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	22151	20.286	ug/l		97
42) 1,2-Dichloroethane	6.080	62	36480	19.986	ug/l		98
43) Isopropyl Acetate	6.336	43	63766	19.356	ug/l		99
44) Trichloroethene	7.123	130	24516	18.728	ug/l		97
45) 1,2-Dichloropropane	7.421	63	27915	19.592	ug/l		96
46) Dibromomethane	7.580	93	19165	19.396	ug/l		98
47) Bromodichloromethane	7.818	83	36997	19.337	ug/l		98
48) Methyl methacrylate	7.690	41	31202	20.087	ug/l		97
49) 1,4-Dioxane	7.665	88	14026	420.866	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	212510	106.108	ug/l		97
52) Toluene	8.714	92	66094	19.378	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	34442	17.789	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	41592	19.267	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	26607	20.293	ug/l		97
56) Ethyl methacrylate	9.116	69	40596	19.170	ug/l		98
57) 1,3-Dichloropropane	9.305	76	46702	20.357	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	103937	99.959	ug/l		100
59) 2-Hexanone	9.427	43	153073	106.078	ug/l		97
60) Dibromochloromethane	9.518	129	26674	19.022	ug/l		99
61) 1,2-Dibromoethane	9.610	107	26006	19.569	ug/l		98
64) Tetrachloroethene	9.269	164	20728	19.003	ug/l		97
65) Chlorobenzene	10.073	112	70760	19.047	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	22330	18.675	ug/l		97
67) Ethyl Benzene	10.189	91	124767	19.032	ug/l		99
68) m/p-Xylenes	10.299	106	93995	38.868	ug/l		99
69) o-Xylene	10.640	106	47375	19.524	ug/l		99
70) Styrene	10.652	104	77185	19.743	ug/l		99
71) Bromoform	10.799	173	17281	19.365	ug/l	#	99
73) Isopropylbenzene	10.957	105	119685	18.671	ug/l		100
74) N-amyl acetate	10.841	43	53361	18.396	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	40067	18.190	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	32786m	18.575	ug/l		
77) Bromobenzene	11.195	156	27635	19.015	ug/l		96
78) n-propylbenzene	11.299	91	138789	18.758	ug/l		99
79) 2-Chlorotoluene	11.360	91	85355	18.770	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	100422	19.305	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	10934	15.935	ug/l		90
82) 4-Chlorotoluene	11.451	91	94450	18.774	ug/l		99
83) tert-Butylbenzene	11.713	119	99375	18.884	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	98836	19.251	ug/l		100
85) sec-Butylbenzene	11.890	105	123683	18.980	ug/l		100
86) p-Isopropyltoluene	12.006	119	101272	19.325	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	51486	19.265	ug/l		97
88) 1,4-Dichlorobenzene	12.036	146	49926	18.476	ug/l		98
89) n-Butylbenzene	12.329	91	88204	19.025	ug/l		99
90) Hexachloroethane	12.536	117	16680	16.999	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	50206	19.114	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7523	18.713	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	28292	17.801	ug/l		99
94) Hexachlorobutadiene	13.719	225	11686	18.521	ug/l		98
95) Naphthalene	13.774	128	107107	18.642	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	29556	18.455	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044924.D
Acq On : 12 Feb 2025 11:46
Operator : JC/MD
Sample : VX0212WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 13 00:48:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

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

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

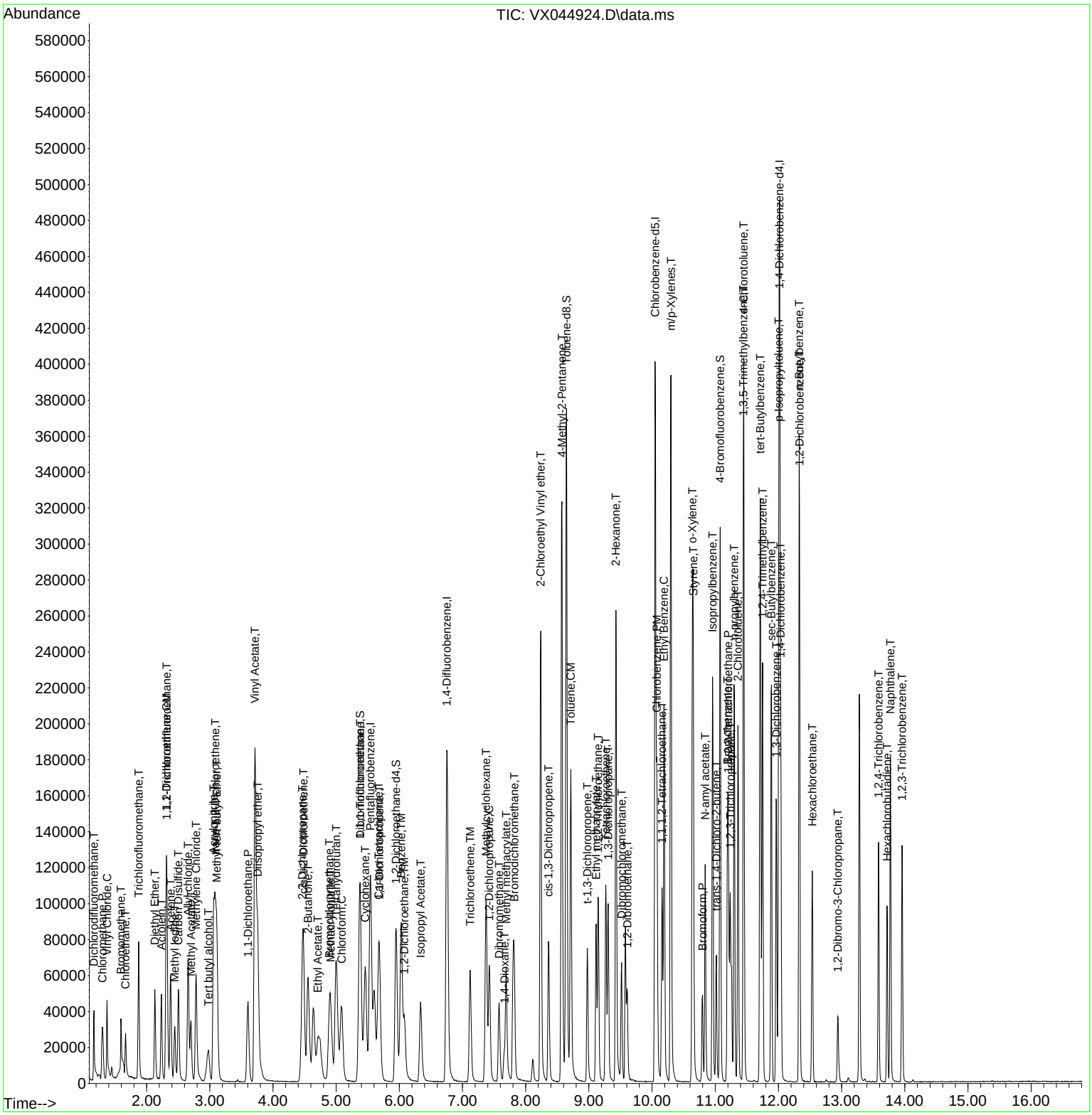
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
Data File : VX044924.D
Acq On : 12 Feb 2025 11:46
Operator : JC/MD
Sample : VX0212WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 13 00:48:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



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

Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX044868.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	1,4-Dichlorobenzene	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Dichlorodifluoromethane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Ethyl Acetate	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Methacrylonitrile	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC005	VX044869.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDICC005	VX044869.D	Chloroethane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDICC020	VX044870.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:03 AM	MMDadoda	2/11/2025 10:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX044871.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:07 AM	MMDadoda	2/11/2025 10:09:36 AM	Peak Integrated by Software
VSTDICC100	VX044872.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:11 AM	MMDadoda	2/11/2025 10:09:40 AM	Peak Integrated by Software
VSTDICC150	VX044873.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:16 AM	MMDadoda	2/11/2025 10:09:49 AM	Peak Integrated by Software
VSTDICV050	VX044875.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:20 AM	MMDadoda	2/11/2025 10:09:53 AM	Peak Integrated by Software
VSTDCCC050	VX044891.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:46 AM	MMDadoda	2/11/2025 10:10:13 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x

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:	VX021225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044920.D	1,2,3-Trichloropropane	JOHN	2/14/2025 9:37:18 AM	MMDadoda	2/14/2025 11:21:59 AM	Peak Integrated by Software
VX0212WBS01	VX044923.D	1,2,3-Trichloropropane	JOHN	2/14/2025 9:37:22 AM	MMDadoda	2/14/2025 11:22:01 AM	Peak Integrated by Software
VX0212WBSD01	VX044924.D	1,2,3-Trichloropropane	JOHN	2/14/2025 9:37:26 AM	MMDadoda	2/14/2025 11:22:04 AM	Peak Integrated by Software
Q1355-01	VX044937.D	n-Butylbenzene	JOHN	2/14/2025 9:45:36 AM	MMDadoda	2/14/2025 11:22:14 AM	Peak Integrated by Software
VSTDCCC050	VX044946.D	1,2,3-Trichloropropane	JOHN	2/14/2025 9:45:41 AM	MMDadoda	2/14/2025 11:22:18 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044867.D	10 Feb 2025 09:35	JC/MD	Ok
2	VSTDICC001	VX044868.D	10 Feb 2025 10:25	JC/MD	Ok,M
3	VSTDICC005	VX044869.D	10 Feb 2025 10:48	JC/MD	Ok,M
4	VSTDICC020	VX044870.D	10 Feb 2025 11:11	JC/MD	Ok,M
5	VSTDICCC050	VX044871.D	10 Feb 2025 11:34	JC/MD	Ok,M
6	VSTDICC100	VX044872.D	10 Feb 2025 12:05	JC/MD	Ok,M
7	VSTDICC150	VX044873.D	10 Feb 2025 12:28	JC/MD	Ok,M
8	IBLK	VX044874.D	10 Feb 2025 12:51	JC/MD	Ok
9	VSTDICV050	VX044875.D	10 Feb 2025 13:15	JC/MD	Ok,M
10	VX0210MBL01	VX044876.D	10 Feb 2025 13:43	JC/MD	Ok
11	VX0210WBL01	VX044877.D	10 Feb 2025 14:06	JC/MD	Ok
12	VX0210WBS01	VX044878.D	10 Feb 2025 14:29	JC/MD	Ok,M
13	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55	JC/MD	Ok,M
14	Q1250-02	VX044880.D	10 Feb 2025 15:18	JC/MD	Ok
15	Q1250-01	VX044881.D	10 Feb 2025 15:41	JC/MD	Ok
16	Q1250-03	VX044882.D	10 Feb 2025 16:04	JC/MD	Ok
17	Q1250-04	VX044883.D	10 Feb 2025 16:27	JC/MD	Ok
18	Q1250-05	VX044884.D	10 Feb 2025 16:51	JC/MD	Ok
19	Q1250-10	VX044885.D	10 Feb 2025 17:14	JC/MD	Ok
20	Q1250-11	VX044886.D	10 Feb 2025 17:37	JC/MD	Ok
21	Q1250-12	VX044887.D	10 Feb 2025 18:00	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1250-06	VX044888.D	10 Feb 2025 18:23	JC/MD	Ok
23	Q1250-07MS	VX044889.D	10 Feb 2025 18:46	JC/MD	Ok,M
24	Q1250-08MSD	VX044890.D	10 Feb 2025 19:09	JC/MD	Ok,M
25	VSTDCCC050	VX044891.D	10 Feb 2025 19:32	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021225

Review By	John Carlone	Review On	2/14/2025 9:49:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/14/2025 11:22:27 AM		
SubDirectory	VX021225	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133001
Initial Calibration Stds	
CCC	VP133002,VP133003,VP133026,VP133027,VP133028,VP133029,VP133030,VP133032
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044919.D	12 Feb 2025 09:39	JC/MD	Ok
2	VSTDCCC050	VX044920.D	12 Feb 2025 10:07	JC/MD	Ok,M
3	VX0212MBL01	VX044921.D	12 Feb 2025 10:34	JC/MD	Ok
4	VX0212WBL01	VX044922.D	12 Feb 2025 10:57	JC/MD	Ok
5	VX0212WBS01	VX044923.D	12 Feb 2025 11:20	JC/MD	Ok,M
6	VX0212WBSD01	VX044924.D	12 Feb 2025 11:46	JC/MD	Ok,M
7	Q1347-03	VX044925.D	12 Feb 2025 12:09	JC/MD	Ok
8	Q1347-01	VX044926.D	12 Feb 2025 12:32	JC/MD	Ok
9	Q1347-02	VX044927.D	12 Feb 2025 12:55	JC/MD	Ok
10	Q1347-04	VX044928.D	12 Feb 2025 13:17	JC/MD	Ok
11	Q1347-05	VX044929.D	12 Feb 2025 13:40	JC/MD	Ok
12	Q1347-06	VX044930.D	12 Feb 2025 14:03	JC/MD	Ok
13	Q1168-07 0.2PPB	VX044931.D	12 Feb 2025 14:26	JC/MD	Ok,M
14	Q1168-07 0.5PPB	VX044932.D	12 Feb 2025 14:49	JC/MD	Ok,M
15	Q1168-07 0.75PPB	VX044933.D	12 Feb 2025 15:12	JC/MD	Ok,M
16	Q1168-07 2.5PPB	VX044934.D	12 Feb 2025 15:35	JC/MD	Ok,M
17	Q1168-08 1.0PPB	VX044935.D	12 Feb 2025 15:58	JC/MD	Ok,M
18	Q1168-08 5.0PPB	VX044936.D	12 Feb 2025 16:21	JC/MD	Ok,M
19	Q1355-01	VX044937.D	12 Feb 2025 16:44	JC/MD	Ok,M
20	Q1355-02	VX044938.D	12 Feb 2025 17:07	JC/MD	Ok
21	PB166691TB	VX044939.D	12 Feb 2025 17:30	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021225

Review By	John Carlone	Review On	2/14/2025 9:49:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/14/2025 11:22:27 AM		
SubDirectory	VX021225	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133001
Initial Calibration Stds	
CCC	VP133002,VP133003,VP133026,VP133027,VP133028,VP133029,VP133030,VP133032
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1356-09	VX044940.D	12 Feb 2025 17:53	JC/MD	Ok
23	Q1356-04	VX044941.D	12 Feb 2025 18:16	JC/MD	Ok
24	Q1356-05	VX044942.D	12 Feb 2025 18:39	JC/MD	Ok
25	Q1356-06	VX044943.D	12 Feb 2025 19:02	JC/MD	Ok
26	Q1356-07	VX044944.D	12 Feb 2025 19:25	JC/MD	Ok
27	Q1356-08	VX044945.D	12 Feb 2025 19:48	JC/MD	Ok
28	VSTDCCC050	VX044946.D	12 Feb 2025 20:11	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044867.D	10 Feb 2025 09:35		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX044868.D	10 Feb 2025 10:25		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX044869.D	10 Feb 2025 10:48		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX044870.D	10 Feb 2025 11:11		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX044871.D	10 Feb 2025 11:34		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX044872.D	10 Feb 2025 12:05		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX044873.D	10 Feb 2025 12:28		JC/MD	Ok,M
8	IBLK	IBLK	VX044874.D	10 Feb 2025 12:51		JC/MD	Ok
9	VSTDICV050	ICVVX021025	VX044875.D	10 Feb 2025 13:15		JC/MD	Ok,M
10	VX0210MBL01	VX0210MBL01	VX044876.D	10 Feb 2025 13:43		JC/MD	Ok
11	VX0210WBL01	VX0210WBL01	VX044877.D	10 Feb 2025 14:06		JC/MD	Ok
12	VX0210WBS01	VX0210WBS01	VX044878.D	10 Feb 2025 14:29		JC/MD	Ok,M
13	VX0210WBSD01	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55		JC/MD	Ok,M
14	Q1250-02	BP-VPB-192-GW-420-4	VX044880.D	10 Feb 2025 15:18	vial B pH<2	JC/MD	Ok
15	Q1250-01	BP-VPB-192-TB-20250	VX044881.D	10 Feb 2025 15:41	vial B pH<2 TB	JC/MD	Ok
16	Q1250-03	BP-VPB-192-GW-300-3	VX044882.D	10 Feb 2025 16:04	vial B pH<2	JC/MD	Ok
17	Q1250-04	BP-VPB-192-GW-320-3	VX044883.D	10 Feb 2025 16:27	vial B pH<2	JC/MD	Ok
18	Q1250-05	BP-VPB-192-GW-340-3	VX044884.D	10 Feb 2025 16:51	vial B pH<2	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1250-10	BP-VPB-192-GW-380-3	VX044885.D	10 Feb 2025 17:14	vial B pH<2	JC/MD	Ok
20	Q1250-11	BP-VPB-192-GW-400-4	VX044886.D	10 Feb 2025 17:37	vial B pH<2	JC/MD	Ok
21	Q1250-12	BP-VPB-192-GW-440-4	VX044887.D	10 Feb 2025 18:00	vial B pH<2	JC/MD	Ok
22	Q1250-06	BP-VPB-192-GW-360-3	VX044888.D	10 Feb 2025 18:23	vial B pH<2	JC/MD	Ok
23	Q1250-07MS	BP-VPB-192-GW-360-3	VX044889.D	10 Feb 2025 18:46	vial B pH<2	JC/MD	Ok,M
24	Q1250-08MSD	BP-VPB-192-GW-360-3	VX044890.D	10 Feb 2025 19:09	vial B pH<2	JC/MD	Ok,M
25	VSTDCCC050	VSTDCCC050EC	VX044891.D	10 Feb 2025 19:32		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021225

Review By	John Carlone	Review On	2/14/2025 9:49:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/14/2025 11:22:27 AM		
SubDirectory	VX021225	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133001
Initial Calibration Stds	
CCC	VP133002,VP133003,VP133026,VP133027,VP133028,VP133029,VP133030,VP133032
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044919.D	12 Feb 2025 09:39		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044920.D	12 Feb 2025 10:07	V13516	JC/MD	Ok,M
3	VX0212MBL01	VX0212MBL01	VX044921.D	12 Feb 2025 10:34		JC/MD	Ok
4	VX0212WBL01	VX0212WBL01	VX044922.D	12 Feb 2025 10:57		JC/MD	Ok
5	VX0212WBS01	VX0212WBS01	VX044923.D	12 Feb 2025 11:20		JC/MD	Ok,M
6	VX0212WBSD01	VX0212WBSD01	VX044924.D	12 Feb 2025 11:46		JC/MD	Ok,M
7	Q1347-03	BP-VPB-192-GW-710-7	VX044925.D	12 Feb 2025 12:09	vial A pH<2	JC/MD	Ok
8	Q1347-01	BP-VPB-192-EB-20250	VX044926.D	12 Feb 2025 12:32	vial A pH<2 EB;Hit of comp.#16	JC/MD	Ok
9	Q1347-02	BP-VPB-192-TB-20250	VX044927.D	12 Feb 2025 12:55	vial A pH<2 TB	JC/MD	Ok
10	Q1347-04	BP-VPB-192-GW-640-6	VX044928.D	12 Feb 2025 13:17	vial A pH<2	JC/MD	Ok
11	Q1347-05	BP-VPB-192-GW-660-6	VX044929.D	12 Feb 2025 13:40	vial A+B pH<2	JC/MD	Ok
12	Q1347-06	BP-VPB-192-GW-680-6	VX044930.D	12 Feb 2025 14:03	vial A+B pH<2	JC/MD	Ok
13	Q1168-07 0.2PPB	LOD-MDL-WATER-01-(	VX044931.D	12 Feb 2025 14:26		JC/MD	Ok,M
14	Q1168-07 0.5PPB	LOD-MDL-WATER-01-(	VX044932.D	12 Feb 2025 14:49		JC/MD	Ok,M
15	Q1168-07 0.75PPB	LOD-MDL-WATER-01-(	VX044933.D	12 Feb 2025 15:12		JC/MD	Ok,M
16	Q1168-07 2.5PPB	LOD-MDL-WATER-01-(	VX044934.D	12 Feb 2025 15:35		JC/MD	Ok,M
17	Q1168-08 1.0PPB	LOQ-WATER-02-QT1-2	VX044935.D	12 Feb 2025 15:58		JC/MD	Ok,M
18	Q1168-08 5.0PPB	LOQ-WATER-02-QT1-2	VX044936.D	12 Feb 2025 16:21		JC/MD	Ok,M

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021225

Review By	John Carlone	Review On	2/14/2025 9:49:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/14/2025 11:22:27 AM		
SubDirectory	VX021225	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133001
Initial Calibration Stds	
CCC	VP133002,VP133003,VP133026,VP133027,VP133028,VP133029,VP133030,VP133032
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1355-01	RW1	VX044937.D	12 Feb 2025 16:44	vial A pH<2	JC/MD	Ok,M
20	Q1355-02	MW2	VX044938.D	12 Feb 2025 17:07	vial A pH<2	JC/MD	Ok
21	PB166691TB	PB166691TB	VX044939.D	12 Feb 2025 17:30		JC/MD	Ok
22	Q1356-09	SOIL-FB	VX044940.D	12 Feb 2025 17:53	vial A pH#5.0 FB	JC/MD	Ok
23	Q1356-04	CARBON-WATER	VX044941.D	12 Feb 2025 18:16	vial A pH#5.0	JC/MD	Ok
24	Q1356-05	CARBON-FB	VX044942.D	12 Feb 2025 18:39	vial A pH#5.0 FB	JC/MD	Ok
25	Q1356-06	WATER-A	VX044943.D	12 Feb 2025 19:02	vial A pH#5.0	JC/MD	Ok
26	Q1356-07	WATER-B	VX044944.D	12 Feb 2025 19:25	vial A pH#5.0	JC/MD	Ok
27	Q1356-08	WATER-FB	VX044945.D	12 Feb 2025 19:48	vial A pH#5.0 FB	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX044946.D	12 Feb 2025 20:11		JC/MD	Ok,M

M : Manual Integration

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. Q1355
COC Number 2046130

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GeoT INC
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE NJ ZIP: 07876
ATTENTION: GARY L
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: AMsterdam
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: GENVIRONMENTAL PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP 07876
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STANDARD 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 _____
X EDD FORMAT Write pdf excel

ANALYSIS

1: TCL VOCs 2: TAL Metals 3: Sulfide 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A)	2 (B)	3 (E)	4	5	6	7	8	9	COMMENTS
1.	RW1	GW		X	2/11/25	1225		X	X	X							
2.	MW2	GW		X	2/11/25	1245		X	X								
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	2-11-25 1335	1. 2-11-25 1335
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.6 °C
Comments:

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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 TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1355 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 2/11/2025 1:38:32 PM
Project Name : Amsterdam
Receive DateTime : 2/11/2025 1:35:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : NJ Reduced
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff : 2/11/2025 2:31:16 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1355-01	RW1	Water	02/11/2025	12:25					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1355-02	MW2	Water	02/11/2025	12:45					
					VOCMS Group1		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 2/11/25 1440

Received By :
Date / Time : 2/11/25 - 14:40

Storage Area : VOA Refridgerator Room