

Cover Page

Order ID : P5224

Project ID : North Point

Client : ENTACT

Lab Sample Number

P5224-01
P5224-02

Client Sample Number

NP-WS-001
NP-WS-001

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: 12/12/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5224

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: NILESH PRAJAPATI

Date: 12/12/2024

LAB CHRONICLE

OrderID: P5224
Client: ENTACT
Contact: Wyatt Seel

OrderDate: 12/9/2024 3:58:00 PM
Project: North Point
Location: L61,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5224-01	NP-WS-001	Water	VOC-TCLVOA-10	8260D	12/09/24		12/10/24	12/09/24

Hit Summary Sheet SW-846

SDG No.: P5224

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	NP-WS-001							
P5224-01	NP-WS-001	Water	Acetone	16.3	J	1.40	25.0	ug/L
P5224-01	NP-WS-001	Water	Methyl tert-butyl Ether	1.10	J	0.16	5.00	ug/L
P5224-01	NP-WS-001	Water	Methylene Chloride	0.51	J	0.32	5.00	ug/L
P5224-01	NP-WS-001	Water	Cyclohexane	42.8		1.60	5.00	ug/L
P5224-01	NP-WS-001	Water	2-Butanone	8.30	J	1.30	25.0	ug/L
P5224-01	NP-WS-001	Water	Methylcyclohexane	39.8		0.19	5.00	ug/L
P5224-01	NP-WS-001	Water	Benzene	16.5		0.16	5.00	ug/L
P5224-01	NP-WS-001	Water	Toluene	1.60	J	0.18	5.00	ug/L
P5224-01	NP-WS-001	Water	Ethyl Benzene	14.1		0.16	5.00	ug/L
P5224-01	NP-WS-001	Water	m/p-Xylenes	7.50	J	0.31	10.0	ug/L
P5224-01	NP-WS-001	Water	o-Xylene	1.30	J	0.14	5.00	ug/L
P5224-01	NP-WS-001	Water	Isopropylbenzene	39.2		0.13	5.00	ug/L
			Total Voc :		189			
P5224-01	NP-WS-001	Water	Naphthalene, 1-methyl-	* 130	J	0	0	ug/L
P5224-01	NP-WS-001	Water	Naphthalene, 2-methyl-	* 110	J	0	0	ug/L
P5224-01	NP-WS-001	Water	Cyclopentane, methyl-	* 150	J	0	0	ug/L
P5224-01	NP-WS-001	Water	Benzene, 1,2,3,4-tetramethyl-	* 140	J	0	0	ug/L
P5224-01	NP-WS-001	Water	Indane	* 640	J	0	0	ug/L
P5224-01	NP-WS-001	Water	Hexane, 3-methyl-	* 49.6	J	0	0	ug/L
P5224-01	NP-WS-001	Water	1-Phenyl-1-butene	* 340	J	0	0	ug/L
P5224-01	NP-WS-001	Water	Benzene, 4-ethyl-1,2-dimethyl-	* 260	J	0	0	ug/L
P5224-01	NP-WS-001	Water	Benzene, 1-ethenyl-4-ethyl-	* 140	J	0	0	ug/L
P5224-01	NP-WS-001	Water	Benzene, 1-ethenyl-3-ethyl-	* 170	J	0	0	ug/L
P5224-01	NP-WS-001	Water	Tert butyl alcohol	* 160	J	5.60	25.0	ug/L
P5224-01	NP-WS-001	Water	n-propylbenzene	* 45.9	J	0.14	5.00	ug/L
P5224-01	NP-WS-001	Water	1,3,5-Trimethylbenzene	* 31.1	J	0.18	5.00	ug/L
P5224-01	NP-WS-001	Water	tert-Butylbenzene	* 0.99	J	0.17	5.00	ug/L
P5224-01	NP-WS-001	Water	1,2,4-Trimethylbenzene	* 42.7	J	0.18	5.00	ug/L
P5224-01	NP-WS-001	Water	sec-Butylbenzene	* 3.10	J	0.17	5.00	ug/L
P5224-01	NP-WS-001	Water	n-Butylbenzene	* 12.3	J	0.22	5.00	ug/L
P5224-01	NP-WS-001	Water	Naphthalene	* 57.0	J	0.59	5.00	ug/L
			Total Tics :		2480			
			Total Concentration:		2670			



QC SUMMARY

Surrogate Summary

SDG No.: P5224

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P5224-01	NP-WS-001	1,2-Dichloroethane-d4	50	49.7	99	70 (74)	130 (125)
		Dibromofluoromethane	50	47.2	94	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.3	103	70 (77)	130 (121)

Surrogate Summary

SDG No.: P5224

Client: ENTACT

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VX1210WBL01	VX1210WBL01	1,2-Dichloroethane-d4	50	49.7	99	70 (74)	130 (125)
		Dibromofluoromethane	50	46.4	93	70 (75)	130 (124)
		Toluene-d8	50	49.1	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.5	95	70 (77)	130 (121)
VX1210WBS01	VX1210WBS01	1,2-Dichloroethane-d4	50	52.6	105	70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102	70 (75)	130 (124)
		Toluene-d8	50	49.6	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.7	103	70 (77)	130 (121)
VX1210WBSD0	VX1210WBSD01	1,2-Dichloroethane-d4	50	51.3	103	70 (74)	130 (125)
		Dibromofluoromethane	50	51.1	102	70 (75)	130 (124)
		Toluene-d8	50	49.7	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.8	108	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5224

Client: ENTACT

Analytical Method: SW8260-Low

Datafile : VX044201.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1210WBS01	Dichlorodifluoromethane	20	15.1	ug/L	76			40 (69)	160 (116)	
	Chloromethane	20	15.9	ug/L	79			40 (65)	160 (116)	
	Vinyl chloride	20	17.7	ug/L	89			70 (65)	130 (117)	
	Bromomethane	20	20.3	ug/L	102			40 (58)	160 (125)	
	Chloroethane	20	21.4	ug/L	107			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.2	ug/L	96			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			70 (80)	130 (112)	
	1,1-Dichloroethene	20	17.5	ug/L	88			70 (74)	130 (110)	
	Acetone	100	91.1	ug/L	91			40 (60)	160 (125)	
	Carbon disulfide	20	12.9	ug/L	65			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.4	ug/L	102			70 (78)	130 (114)	
	Methyl Acetate	20	20.4	ug/L	102			70 (67)	130 (125)	
	Methylene Chloride	20	18.4	ug/L	92			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	17.6	ug/L	88			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.2	ug/L	96			70 (78)	130 (112)	
	Cyclohexane	20	17.7	ug/L	89			70 (75)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.3	ug/L	92			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.2	ug/L	96			70 (77)	130 (110)	
	Bromochloromethane	20	21.3	ug/L	106			70 (70)	130 (124)	
	Chloroform	20	20.1	ug/L	101			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.2	ug/L	101			70 (80)	130 (108)	
	Methylcyclohexane	20	16.8	ug/L	84			70 (72)	130 (115)	
	Benzene	20	19.0	ug/L	95			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.2	ug/L	101			70 (80)	130 (115)	
	Trichloroethene	20	16.4	ug/L	82			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.7	ug/L	99			70 (83)	130 (111)	
	Bromodichloromethane	20	20.0	ug/L	100			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	19.9	ug/L	100			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.8	ug/L	94			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.2	ug/L	101			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	18.8	ug/L	94			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.6	ug/L	103			70 (81)	130 (110)	
	Tetrachloroethene	20	19.9	ug/L	100			70 (67)	130 (123)	
	Chlorobenzene	20	19.6	ug/L	98			70 (82)	130 (109)	
	Ethyl Benzene	20	20.0	ug/L	100			70 (83)	130 (109)	
	m/p-Xylenes	40	40.3	ug/L	101			70 (82)	130 (110)	
	o-Xylene	20	20.3	ug/L	102			70 (83)	130 (109)	
	Styrene	20	20.2	ug/L	101			70 (80)	130 (111)	
	Bromoform	20	17.7	ug/L	89			70 (79)	130 (109)	
	Isopropylbenzene	20	20.1	ug/L	101			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/L	104			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	19.7	ug/L	99			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5224

Client: ENTACT

Analytical Method: SW8260-Low

Datafile : VX044201.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1210WBS01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/L	96			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.4	ug/L	87			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			70 (76)	130 (114)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5224

Client: ENTACT

Analytical Method: SW8260-Low

Datafile : VX044202.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1210WBSD01	Dichlorodifluoromethane	20	17.0	ug/L	85	11		40 (69)	160 (116)	20 (20)
	Chloromethane	20	17.1	ug/L	86	8		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	18.5	ug/L	93	4		70 (65)	130 (117)	20 (20)
	Bromomethane	20	21.9	ug/L	110	8		40 (58)	160 (125)	20 (20)
	Chloroethane	20	22.5	ug/L	113	5		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	23.0	ug/L	115	18		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/L	102	11		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	19.1	ug/L	96	9		70 (74)	130 (110)	20 (20)
	Acetone	100	110	ug/L	110	19		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	13.8	ug/L	69	6		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	21.9	ug/L	110	8		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	22.9	ug/L	115	12		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.4	ug/L	97	5		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	20.2	ug/L	101	14		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	20.5	ug/L	103	7		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	19.6	ug/L	98	10		70 (75)	130 (110)	20 (20)
	2-Butanone	100	120	ug/L	120	18		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	20.4	ug/L	102	10		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	20.2	ug/L	101	5		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	17.6	ug/L	88	19		70 (70)	130 (124)	20 (20)
	Chloroform	20	21.5	ug/L	108	7		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	21.6	ug/L	108	7		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	20.1	ug/L	101	18		70 (72)	130 (115)	20 (20)
	Benzene	20	21.0	ug/L	105	10		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	23.1	ug/L	116	14		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.8	ug/L	94	14		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	21.9	ug/L	110	11		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	21.6	ug/L	108	8		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	120	ug/L	120	9		40 (74)	160 (118)	20 (20)
	Toluene	20	22.2	ug/L	111	10		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	21.7	ug/L	109	15		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.9	ug/L	104	10		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	23.1	ug/L	116	14		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	130	ug/L	130	17		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	20.7	ug/L	104	10		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	22.8	ug/L	114	10		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	20.8	ug/L	104	4		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	20.7	ug/L	104	6		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	21.5	ug/L	108	8		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	42.8	ug/L	107	6		70 (82)	130 (110)	20 (20)
	o-Xylene	20	21.7	ug/L	109	7		70 (83)	130 (109)	20 (20)
	Styrene	20	21.5	ug/L	108	7		70 (80)	130 (111)	20 (20)
	Bromoform	20	18.9	ug/L	95	7		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	21.8	ug/L	109	8		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	22.3	ug/L	112	7		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	21.3	ug/L	106	11		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	21.1	ug/L	106	9		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	21.5	ug/L	108	9		70 (82)	130 (109)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5224

Client: ENTACT

Analytical Method: SW8260-Low

Datafile : VX044202.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1210WBSD01	1,2-Dibromo-3-Chloropropane	20	20.5	ug/L	103	7		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	20.3	ug/L	102	16		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	21.0	ug/L	105	10		70 (76)	130 (114)	20 (20)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1210WBL01

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: P5224

SAS No.: P5224 SDG NO.: P5224

Lab File ID: VX044199.D

Lab Sample ID: VX1210WBL01

Date Analyzed: 12/10/2024

Time Analyzed: 11:35

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
VX1210WBS01	VX1210WBS01	VX044201.D	12/10/2024
VX1210WBSD01	VX1210WBSD01	VX044202.D	12/10/2024
NP-WS-001	P5224-01	VX044208.D	12/10/2024

COMMENTS: _____



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: ENTA05
Lab Code: CHEM Case No.: P5224 SAS No.: P5224 SDG NO.: P5224
Lab File ID: VX043924.D BFB Injection Date: 11/21/2024
Instrument ID: MSVOA_X BFB Injection Time: 08:51
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.4
75	30.0 - 60.0% of mass 95	54.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	70.5
175	5.0 - 9.0% of mass 174	4.8 (6.8) 1
176	95.0 - 101.0% of mass 174	67.9 (96.4) 1
177	5.0 - 9.0% of mass 176	4.9 (7.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX043925.D	11/21/2024	09:47
VSTDIC005	VSTDIC005	VX043926.D	11/21/2024	10:14
VSTDIC020	VSTDIC020	VX043927.D	11/21/2024	10:37
VSTDIC050	VSTDIC050	VX043928.D	11/21/2024	11:17
VSTDIC100	VSTDIC100	VX043929.D	11/21/2024	11:40
VSTDIC150	VSTDIC150	VX043930.D	11/21/2024	12:03



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: ENTA05
Lab Code: CHEM Case No.: P5224 SAS No.: P5224 SDG NO.: P5224
Lab File ID: VX044196.D BFB Injection Date: 12/10/2024
Instrument ID: MSVOA_X BFB Injection Time: 09:01
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	21.7
75	30.0 - 60.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	70.2
175	5.0 - 9.0% of mass 174	5.4 (7.7) 1
176	95.0 - 101.0% of mass 174	69.5 (99) 1
177	5.0 - 9.0% of mass 176	4.3 (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
VSTDCCC050	VSTDCCC050	VX044197.D	12/10/2024	10:43
VX1210WBL01	VX1210WBL01	VX044199.D	12/10/2024	11:35
VX1210WBS01	VX1210WBS01	VX044201.D	12/10/2024	12:22
VX1210WBSD01	VX1210WBSD01	VX044202.D	12/10/2024	12:52
NP-WS-001	P5224-01	VX044208.D	12/10/2024	15:13

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: P5224 SAS No.: P5224 SDG NO.: P5224
 Lab File ID: VX044197.D Date Analyzed: 12/10/2024
 Instrument ID: MSVOA_X Time Analyzed: 10:43
 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	121082	5.54	212067	6.76	187191	10.05
UPPER LIMIT	242164	6.038	424134	7.257	374382	10.549
LOWER LIMIT	60541	5.038	106034	6.257	93595.5	9.549
EPA SAMPLE NO.						
NP-WS-001	106419	5.55	197008	6.76	173984	10.06
VX1210WBL01	110263	5.54	207593	6.76	178508	10.06
VX1210WBS01	143461	5.54	255477	6.76	217630	10.06
VX1210WBSD01	115787	5.54	202181	6.76	181459	10.06

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: P5224 SAS No.: P5224 SDG NO.: P5224
 Lab File ID: VX044197.D Date Analyzed: 12/10/2024
 Instrument ID: MSVOA_X Time Analyzed: 10:43
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	91127	12.024				
UPPER LIMIT	182254	12.524				
LOWER LIMIT	45563.5	11.524				
EPA SAMPLE NO.						
NP-WS-001	75903	12.02				
VX1210WBL01	71476	12.02				
VX1210WBS01	101326	12.02				
VX1210WBSD01	84444	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

Report of Analysis

Client:	ENTACT		Date Collected:	12/09/24	
Project:	North Point		Date Received:	12/09/24	
Client Sample ID:	NP-WS-001		SDG No.:	P5224	
Lab Sample ID:	P5224-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044208.D	1		12/10/24 15:13	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	5.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	5.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
67-64-1	Acetone	16.3	J	1.40	25.0	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.10	J	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	5.00	ug/L
75-09-2	Methylene Chloride	0.51	J	0.32	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	42.8		1.60	5.00	ug/L
78-93-3	2-Butanone	8.30	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	5.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	5.00	ug/L
108-87-2	Methylcyclohexane	39.8		0.19	5.00	ug/L
71-43-2	Benzene	16.5		0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	5.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	25.0	ug/L
108-88-3	Toluene	1.60	J	0.18	5.00	ug/L

Report of Analysis

Client:	ENTACT	Date Collected:	12/09/24
Project:	North Point	Date Received:	12/09/24
Client Sample ID:	NP-WS-001	SDG No.:	P5224
Lab Sample ID:	P5224-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044208.D	1		12/10/24 15:13	VX121024

[illegible]

Report of Analysis

Client:	ENTACT	Date Collected:	12/09/24
Project:	North Point	Date Received:	12/09/24
Client Sample ID:	NP-WS-001	SDG No.:	P5224
Lab Sample ID:	P5224-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044208.D	1		12/10/24 15:13	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-65-0	Tert butyl alcohol	160	J		2.98	ug/L
000096-37-7	Cyclopentane, methyl-	150	J		4.29	ug/L
000589-34-4	Hexane, 3-methyl-	49.6	J		5.82	ug/L
103-65-1	n-propylbenzene	45.9	J		11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	31.1	J		11.5	ug/L
98-06-6	tert-Butylbenzene	0.99	J		11.7	ug/L
95-63-6	1,2,4-Trimethylbenzene	42.7	J		11.8	ug/L
135-98-8	sec-Butylbenzene	3.10	J		11.9	ug/L
000496-11-7	Indane	640	J		12.2	ug/L
104-51-8	n-Butylbenzene	12.3	J		12.3	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	260	J		12.6	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	170	J		12.7	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	140	J		12.9	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	140	J		13.2	ug/L
000824-90-8	1-Phenyl-1-butene	340	J		13.3	ug/L
91-20-3	Naphthalene	57.0	J		13.8	ug/L
000091-57-6	Naphthalene, 2-methyl-	110	J		14.6	ug/L
000090-12-0	Naphthalene, 1-methyl-	130	J		14.8	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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044208.D
 Acq On : 10 Dec 2024 15:13
 Operator : JC/MD
 Sample : P5224-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NP-WS-001

Quant Time: Dec 11 01:34:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

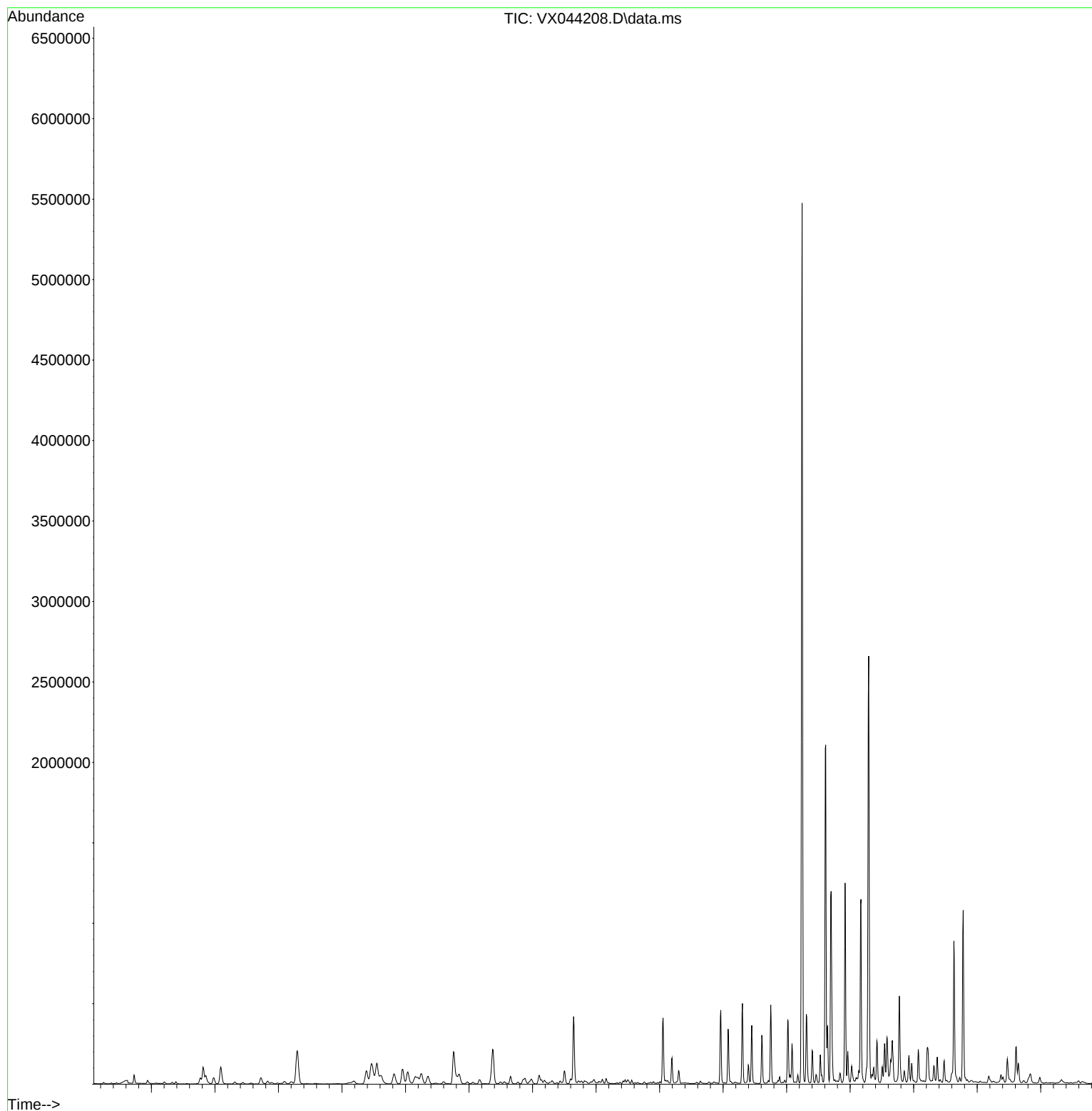
Internal Standards						
1) Pentafluorobenzene	5.550	168	106419	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	197008	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90666	49.673	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.340%		
35) Dibromofluoromethane	5.379	113	66489	47.232	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.460%		
50) Toluene-d8	8.647	98	242734	50.022	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.040%		
62) 4-Bromofluorobenzene	11.079	95	84705	51.291	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.580%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	47327	161.541	ug/l	96
16) Acetone	2.385	43	13675	16.312	ug/l	90
19) Methyl tert-butyl Ether	3.111	73	5063	1.137	ug/l #	1
20) Methylene Chloride	2.782	84	727	0.511	ug/l #	51
25) 2-Butanone	4.586	43	8997	8.317	ug/l #	88
31) Cyclohexane	5.464	56	87047	42.789	ug/l	97
39) Methylcyclohexane	7.378	83	90638	39.772	ug/l	99
40) Benzene	6.037	78	89982	16.468	ug/l	98
52) Toluene	8.726	92	5270	1.611	ug/l	93
67) Ethyl Benzene	10.195	91	91265	14.095	ug/l	99
68) m/p-Xylenes	10.299	106	18148	7.516	ug/l	99
69) o-Xylene	10.640	106	3131	1.328	ug/l	99
73) Isopropylbenzene	10.963	105	228973	39.244	ug/l	99
78) n-propylbenzene	11.305	91	298849	45.861	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	149237	31.090	ug/l	97
83) tert-Butylbenzene	11.713	119	4697	0.987	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	204034	42.694	ug/l	99
85) sec-Butylbenzene	11.890	105	17843	3.061	ug/l	82
89) n-Butylbenzene	12.310	91	51143	12.250	ug/l #	12
95) Naphthalene	13.774	128	309574	57.020	ug/l	98

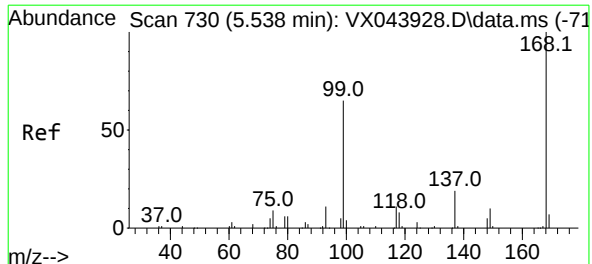
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NP-WS-001

Quant Time: Dec 11 01:34:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 73

Delta R.T. 0.012 min

Lab File: VX044208.D

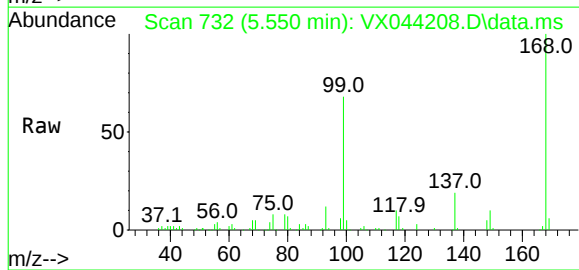
Acq: 10 Dec 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

NP-WS-001

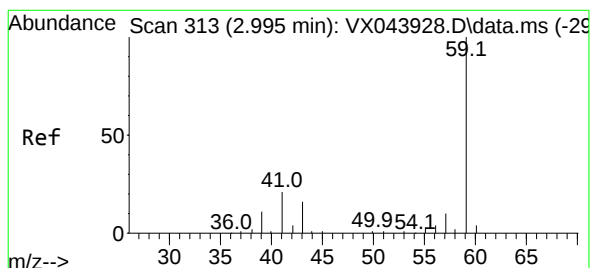
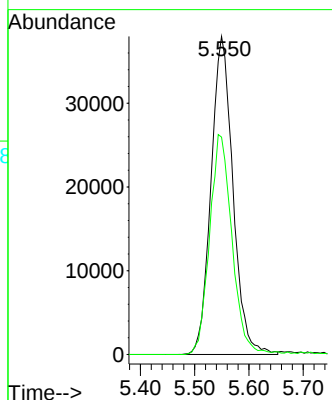
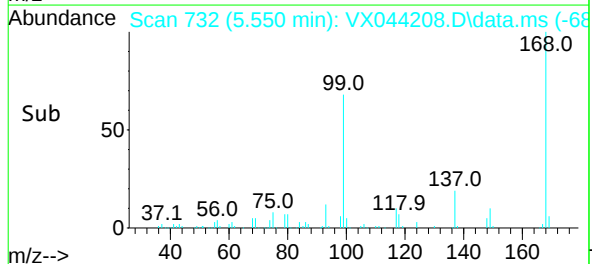


Tgt Ion:168 Resp: 106419

Ion Ratio Lower Upper

168 100

99 68.3 51.8 77.8



#11

Tert butyl alcohol

Concen: 161.541 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.013 min

Lab File: VX044208.D

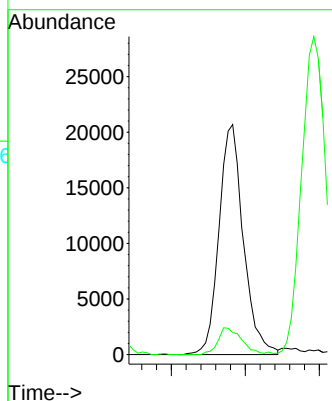
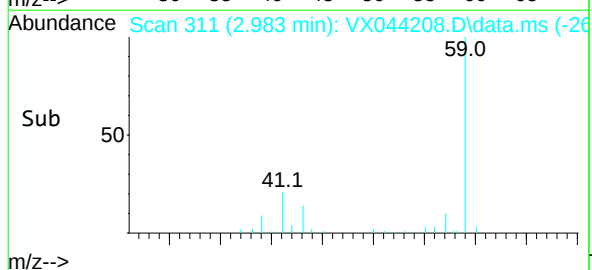
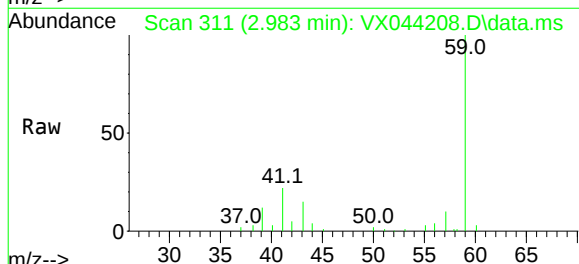
Acq: 10 Dec 2024 15:13

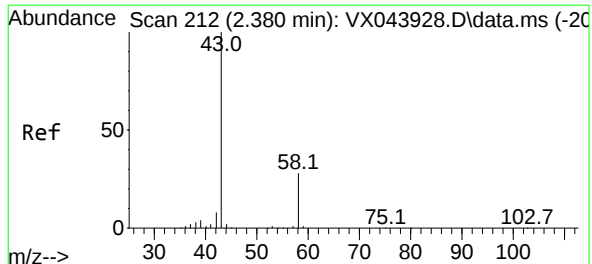
Tgt Ion: 59 Resp: 47327

Ion Ratio Lower Upper

59 100

57 11.3 7.9 11.9





#16

Acetone

Concen: 16.312 ug/l

RT: 2.385 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

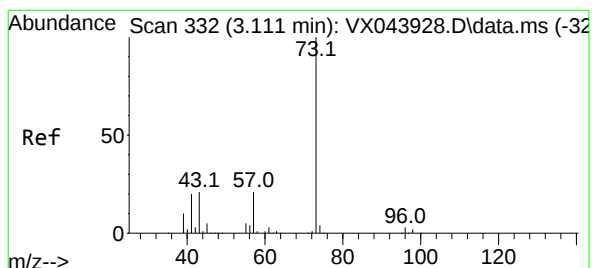
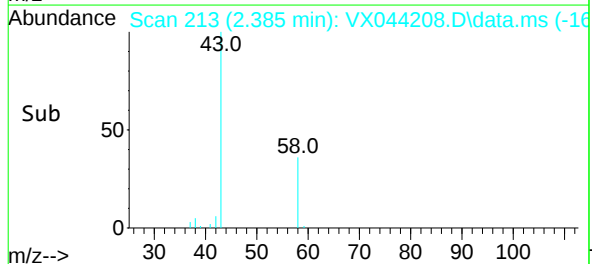
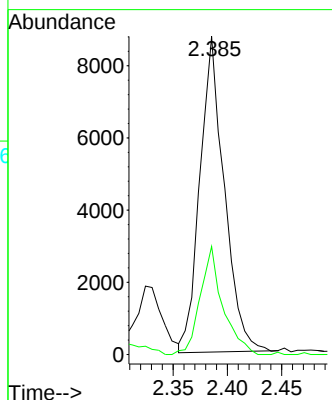
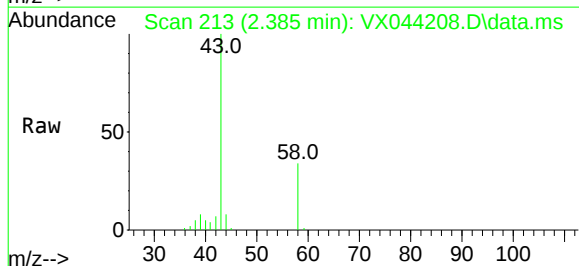
NP-WS-001

Tgt Ion: 43 Resp: 13675

Ion Ratio Lower Upper

43 100

58 33.7 22.7 34.1



#19

Methyl tert-butyl Ether

Concen: 1.137 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX044208.D

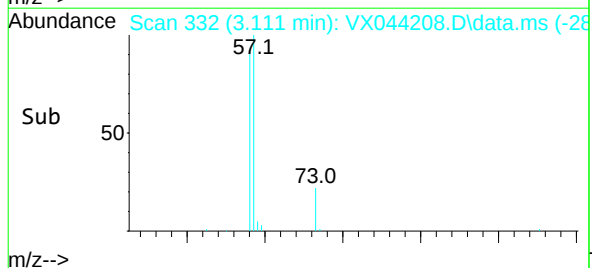
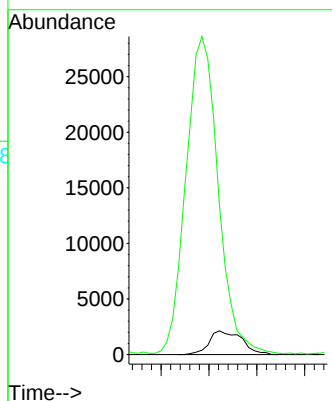
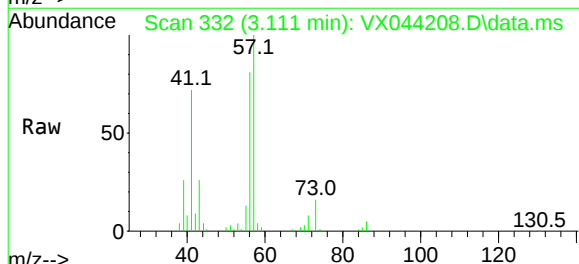
Acq: 10 Dec 2024 15:13

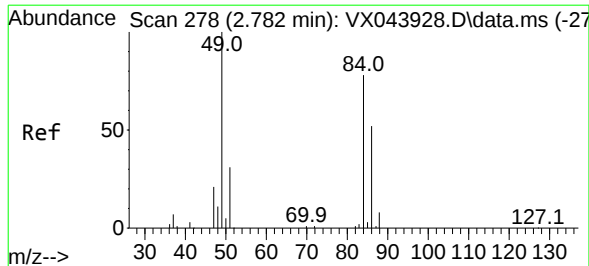
Tgt Ion: 73 Resp: 5063

Ion Ratio Lower Upper

73 100

57 625.5 17.0 25.6#





#20

Methylene Chloride

Concen: 0.511 ug/l

RT: 2.782 min Scan# 27

Delta R.T. -0.000 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

NP-WS-001

Tgt Ion: 84 Resp: 727

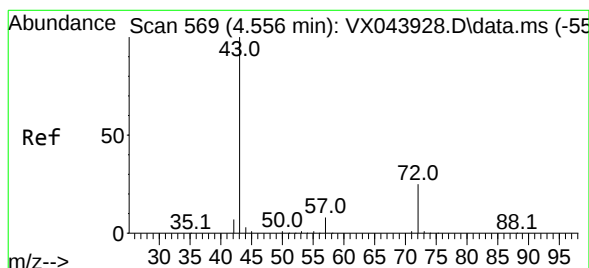
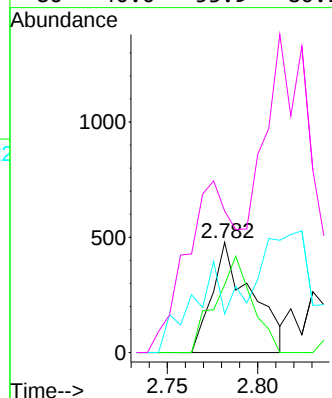
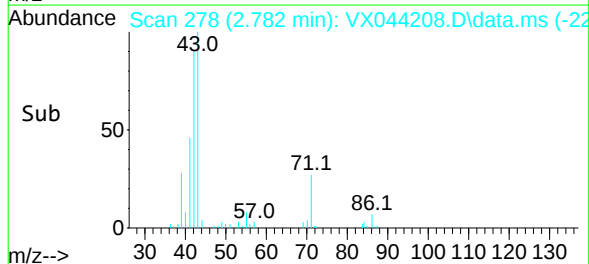
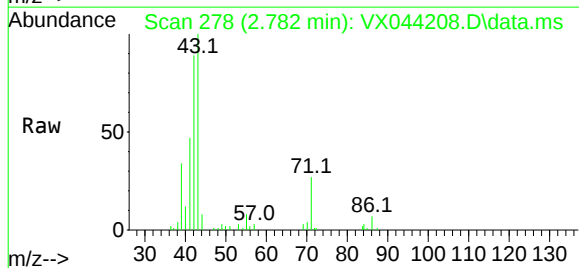
Ion Ratio Lower Upper

84 100

49 61.5 102.7 154.1#

51 9.8 31.7 47.5#

86 40.0 53.9 80.9#



#25

2-Butanone

Concen: 8.317 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.030 min

Lab File: VX044208.D

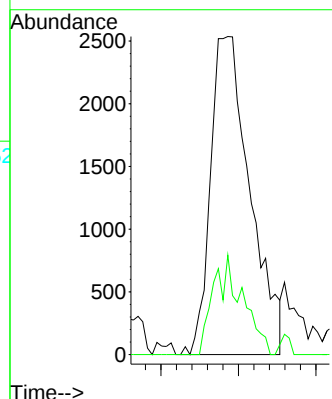
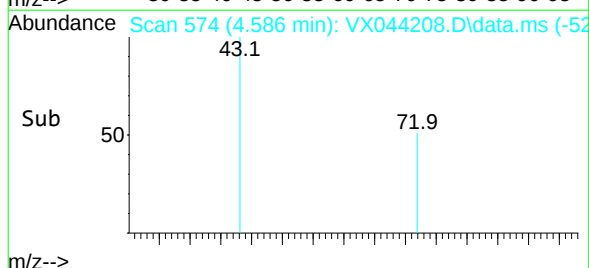
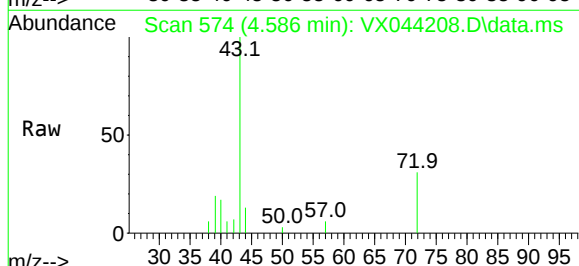
Acq: 10 Dec 2024 15:13

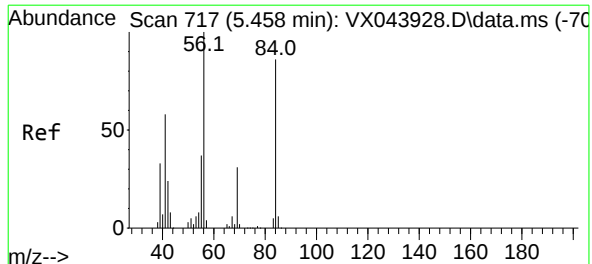
Tgt Ion: 43 Resp: 8997

Ion Ratio Lower Upper

43 100

72 31.3 20.2 30.2#





#31

Cyclohexane

Concen: 42.789 ug/l

RT: 5.464 min Scan# 717

Delta R.T. 0.006 min

Lab File: VX044208.D

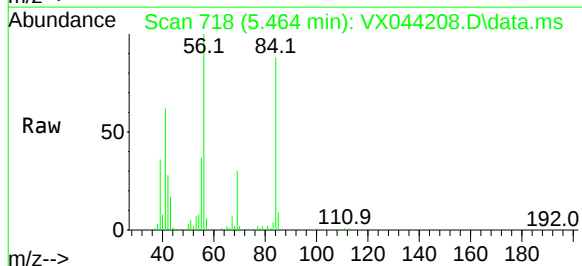
Acq: 10 Dec 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

NP-WS-001



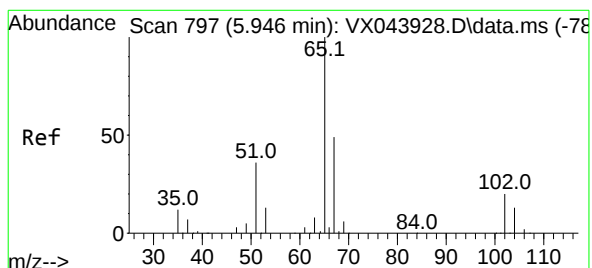
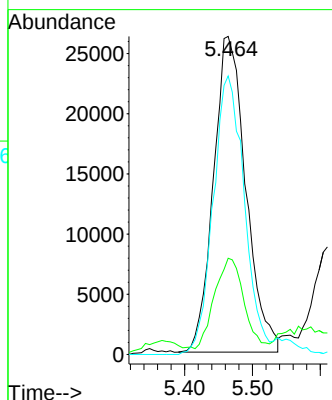
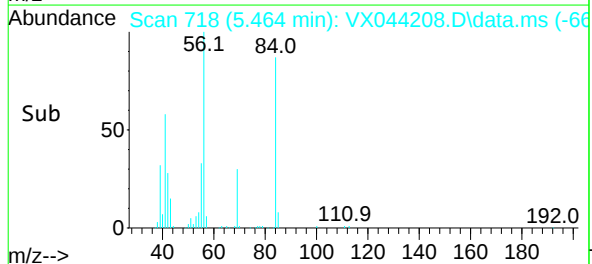
Tgt Ion: 56 Resp: 87047

Ion Ratio Lower Upper

56 100

69 27.7 24.7 37.1

84 88.2 68.7 103.1



#33

1,2-Dichloroethane-d4

Concen: 49.673 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.012 min

Lab File: VX044208.D

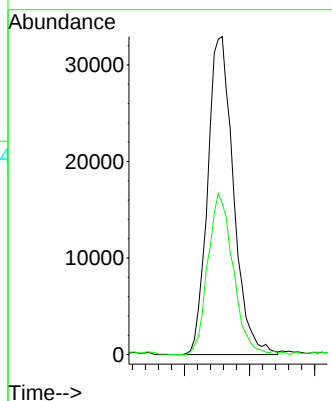
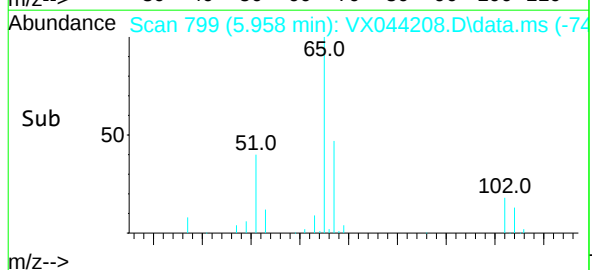
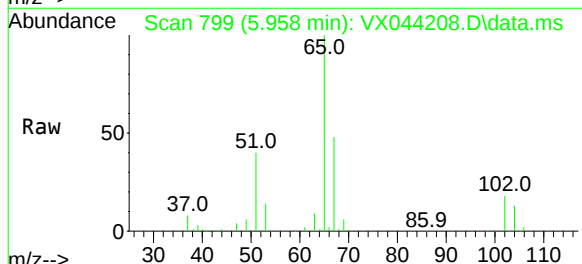
Acq: 10 Dec 2024 15:13

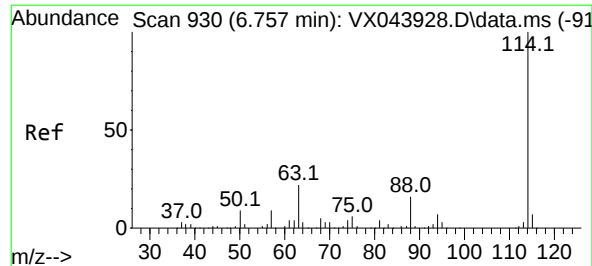
Tgt Ion: 65 Resp: 90666

Ion Ratio Lower Upper

65 100

67 49.4 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 93

Delta R.T. -0.000 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

NP-WS-001

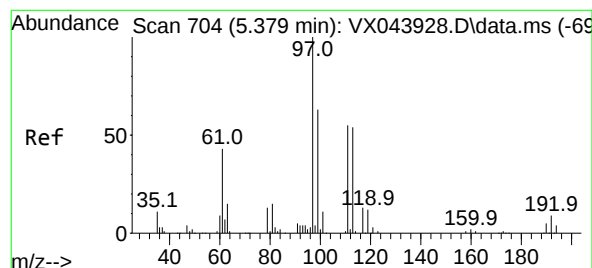
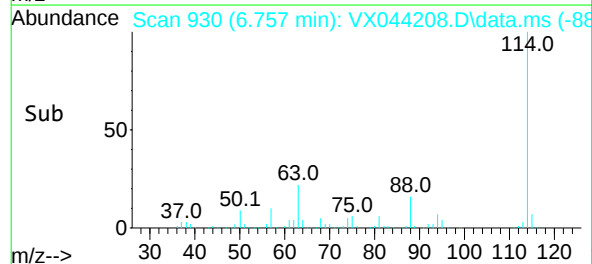
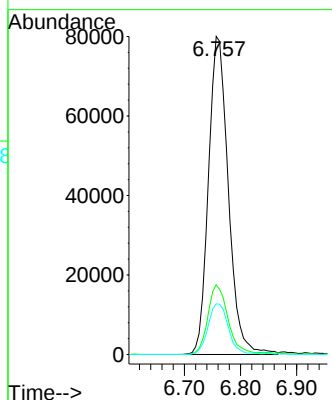
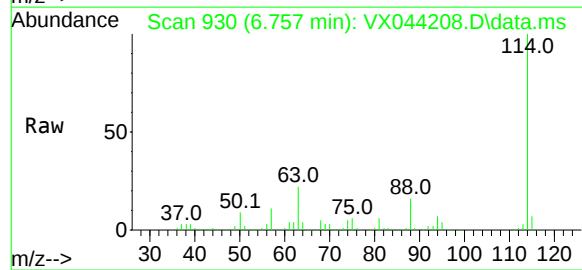
Tgt Ion:114 Resp: 197008

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.0

88 15.9 0.0 32.4



#35

Dibromofluoromethane

Concen: 47.232 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13

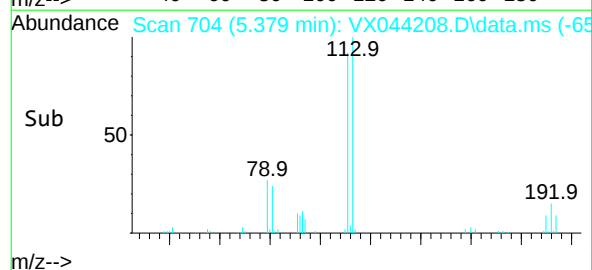
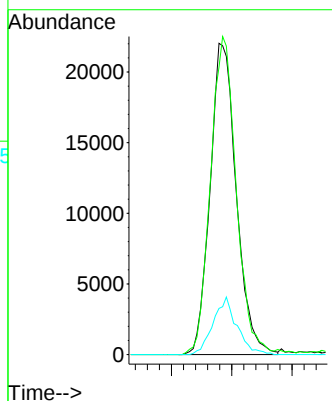
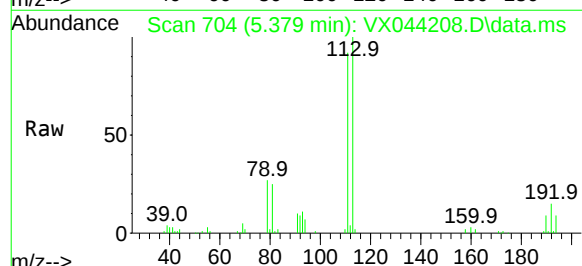
Tgt Ion:113 Resp: 66489

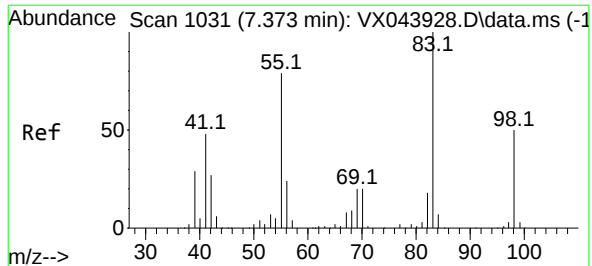
Ion Ratio Lower Upper

113 100

111 100.6 81.0 121.4

192 16.8 13.0 19.6





#39

Methylcyclohexane

Concen: 39.772 ug/l

RT: 7.378 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

NP-WS-001

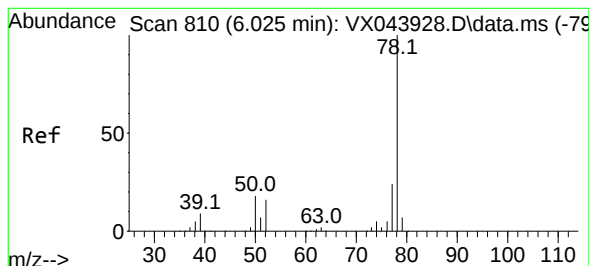
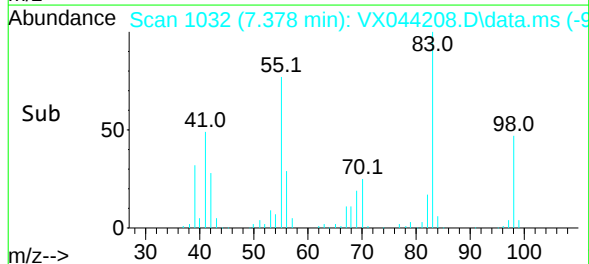
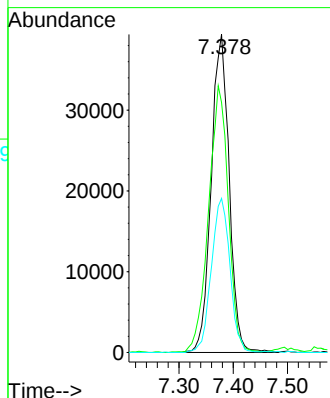
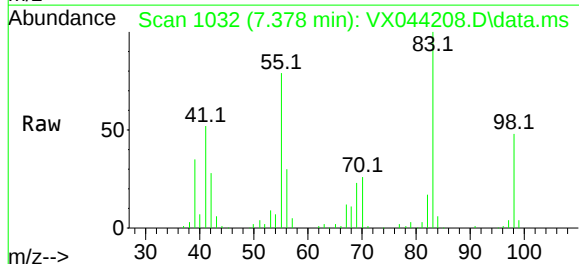
Tgt Ion: 83 Resp: 90638

Ion Ratio Lower Upper

83 100

55 78.4 63.1 94.7

98 48.5 40.0 60.0



#40

Benzene

Concen: 16.468 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.012 min

Lab File: VX044208.D

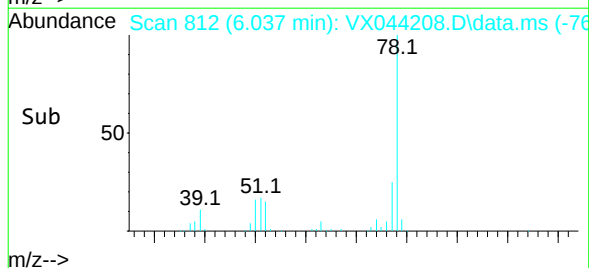
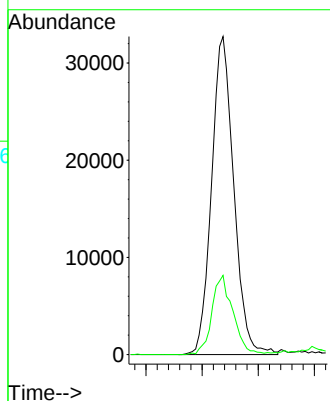
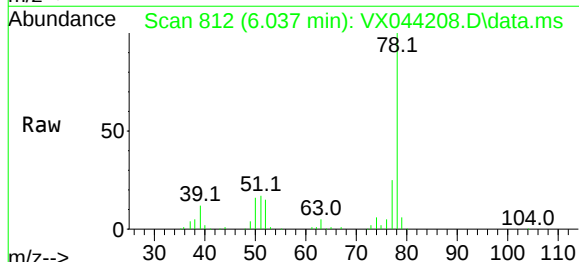
Acq: 10 Dec 2024 15:13

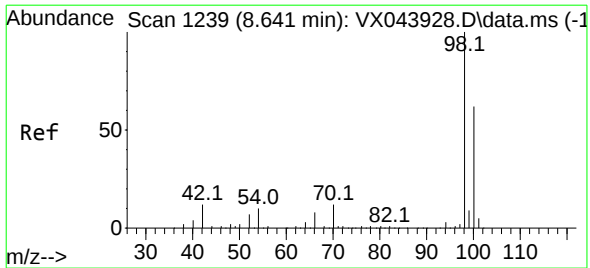
Tgt Ion: 78 Resp: 89982

Ion Ratio Lower Upper

78 100

77 24.9 19.2 28.8





#50

Toluene-d8

Concen: 50.022 ug/l

RT: 8.647 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

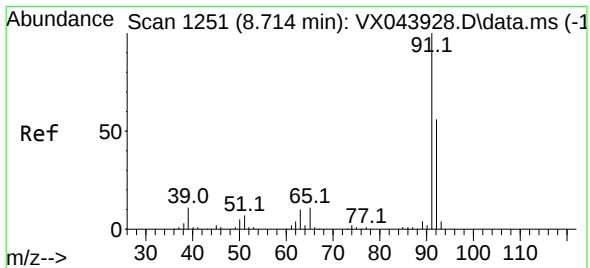
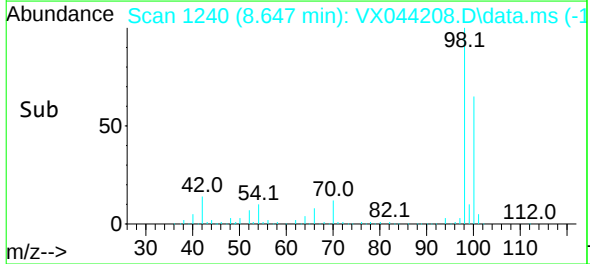
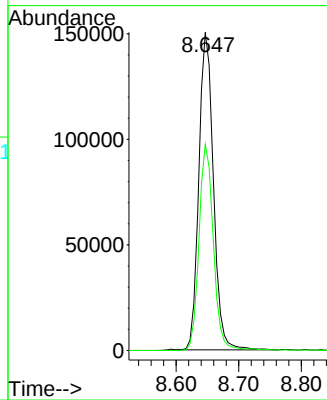
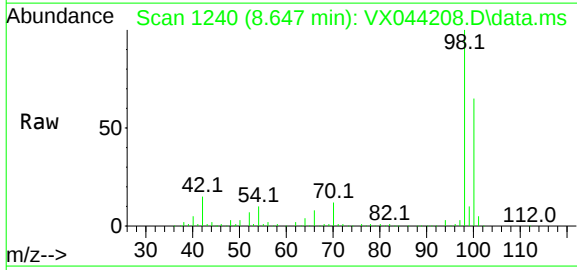
NP-WS-001

Tgt Ion: 98 Resp: 242734

Ion Ratio Lower Upper

98 100

100 64.6 52.6 79.0



#52

Toluene

Concen: 1.611 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.012 min

Lab File: VX044208.D

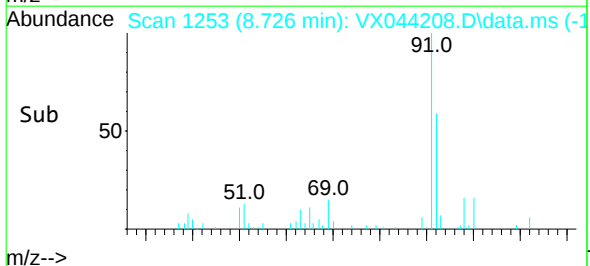
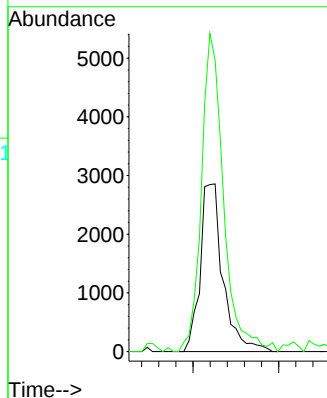
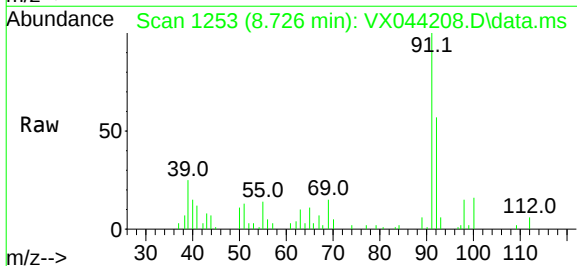
Acq: 10 Dec 2024 15:13

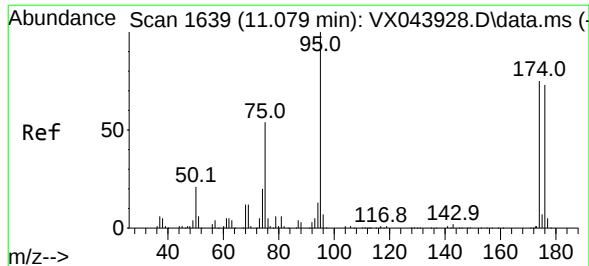
Tgt Ion: 92 Resp: 5270

Ion Ratio Lower Upper

92 100

91 184.4 139.7 209.5





#62

4-Bromofluorobenzene

Concen: 51.291 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044208.D

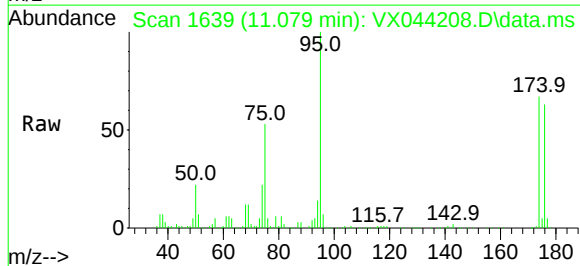
Acq: 10 Dec 2024 15:13

Instrument :

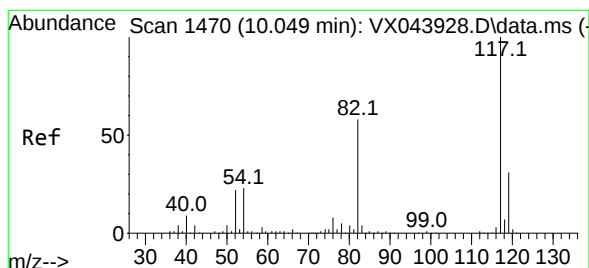
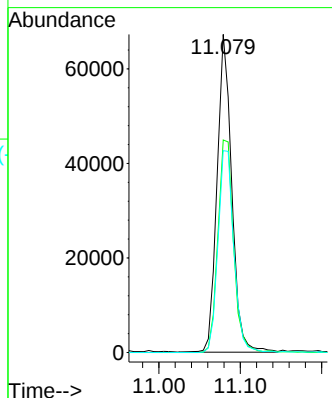
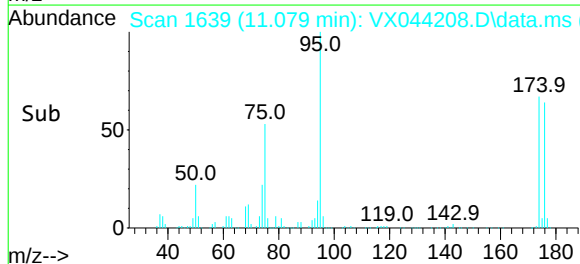
MSVOA_X

ClientSampleId :

NP-WS-001



Tgt Ion:	95	Resp:	84705
Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	150.4
176	68.2	0.0	146.0



#63

Chlorobenzene-d5

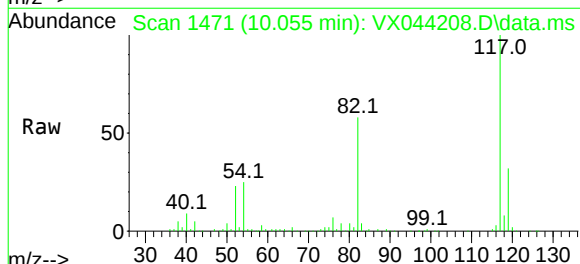
Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

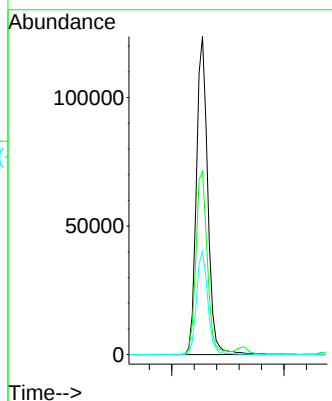
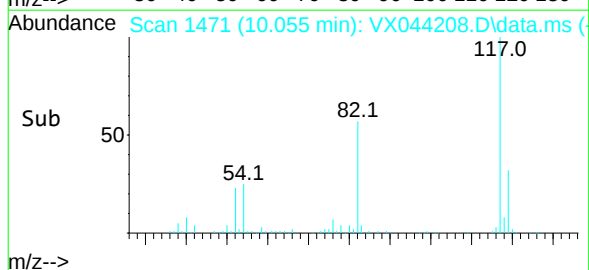
Delta R.T. 0.006 min

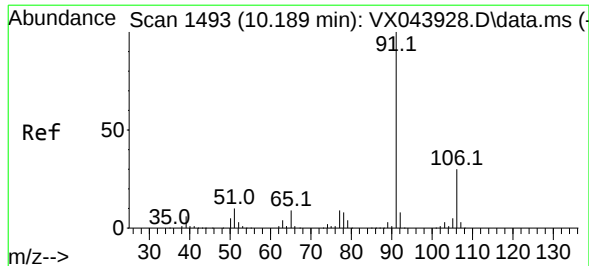
Lab File: VX044208.D

Acq: 10 Dec 2024 15:13



Tgt Ion:	117	Resp:	173984
Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.4	69.6
119	32.5	24.6	37.0





#67

Ethyl Benzene

Concen: 14.095 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

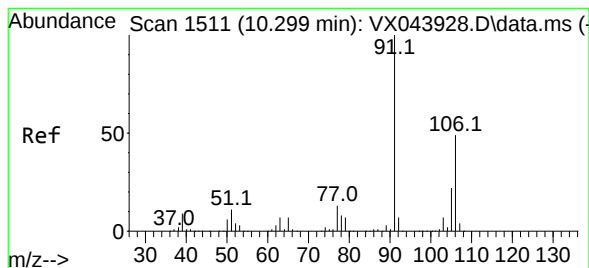
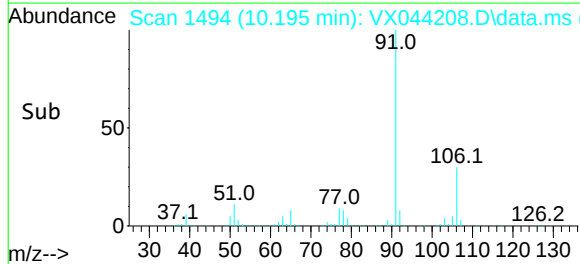
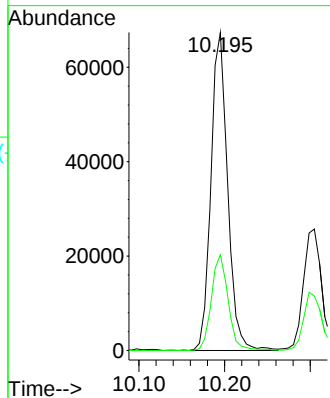
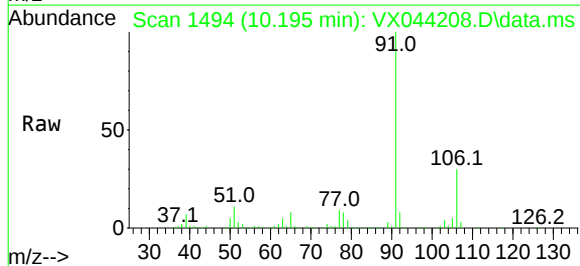
NP-WS-001

Tgt Ion: 91 Resp: 91265

Ion Ratio Lower Upper

91 100

106 30.1 23.6 35.4



#68

m/p-Xylenes

Concen: 7.516 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044208.D

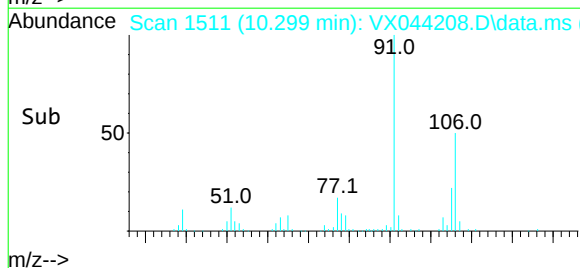
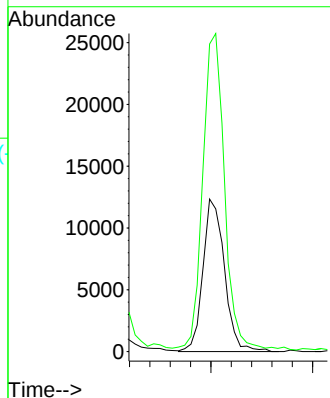
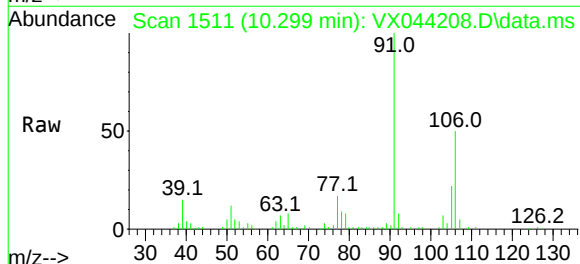
Acq: 10 Dec 2024 15:13

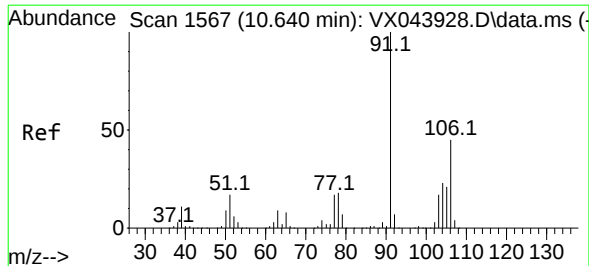
Tgt Ion: 106 Resp: 18148

Ion Ratio Lower Upper

106 100

91 211.3 168.1 252.1





#69

o-Xylene

Concen: 1.328 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

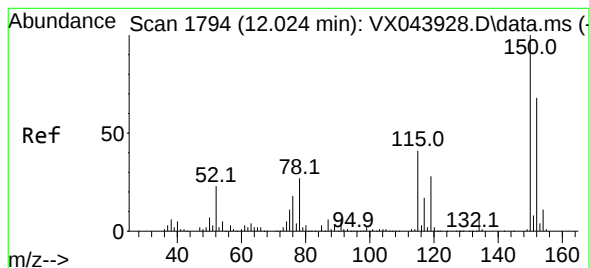
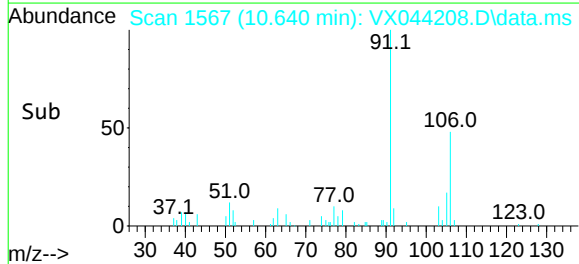
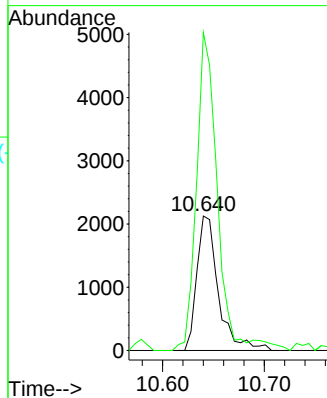
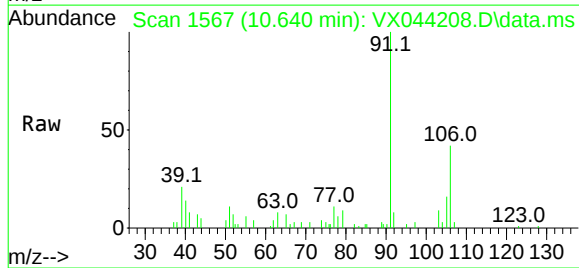
NP-WS-001

Tgt Ion:106 Resp: 3131

Ion Ratio Lower Upper

106 100

91 221.4 110.2 330.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13

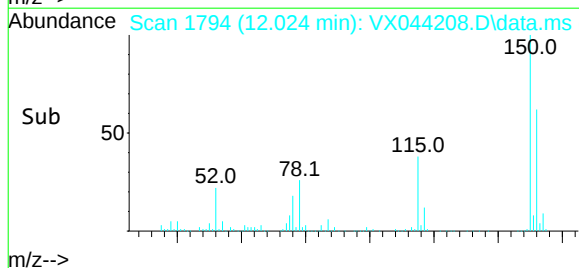
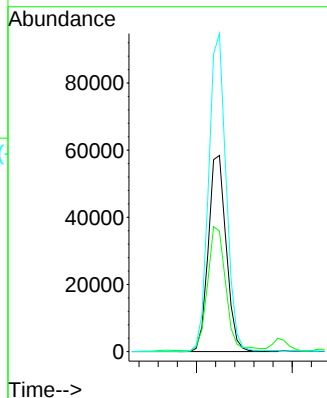
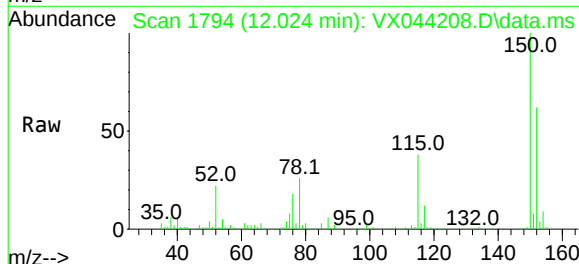
Tgt Ion:152 Resp: 75903

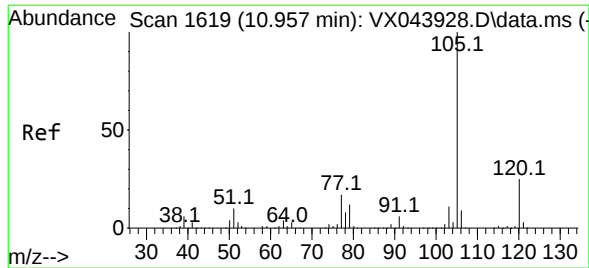
Ion Ratio Lower Upper

152 100

115 64.2 45.4 136.2

150 158.4 0.0 353.0





#73

Isopropylbenzene

Concen: 39.244 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

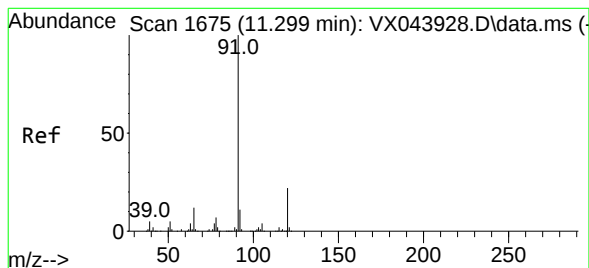
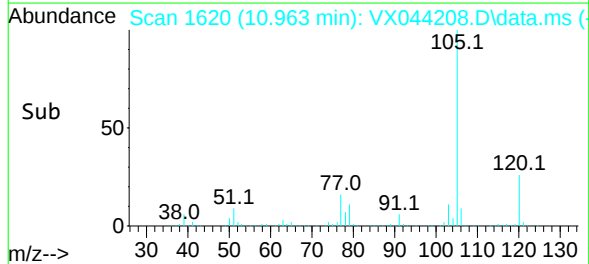
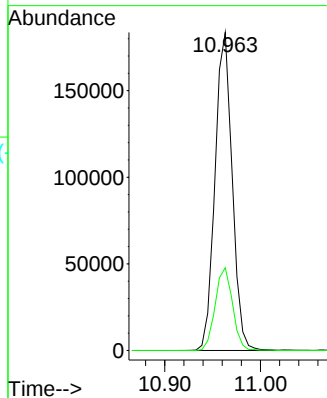
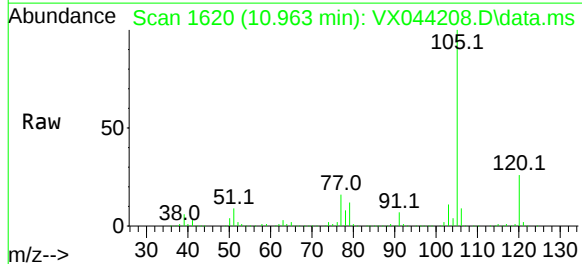
NP-WS-001

Tgt Ion:105 Resp: 228973

Ion Ratio Lower Upper

105 100

120 26.3 13.0 38.9



#78

n-propylbenzene

Concen: 45.861 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044208.D

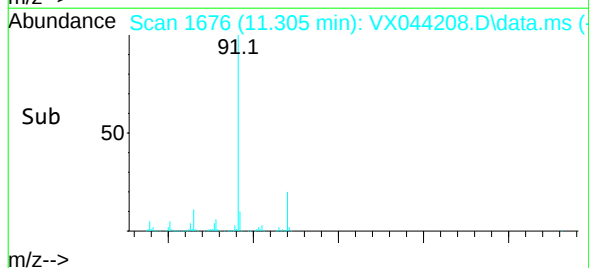
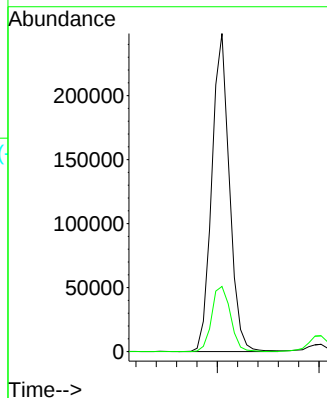
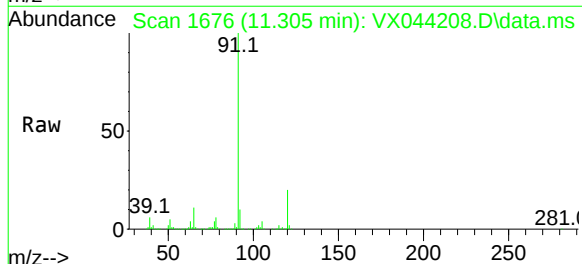
Acq: 10 Dec 2024 15:13

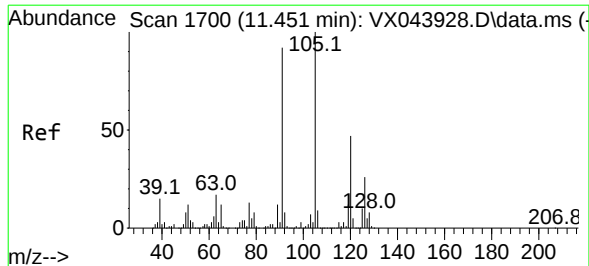
Tgt Ion: 91 Resp: 298849

Ion Ratio Lower Upper

91 100

120 21.8 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 31.090 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

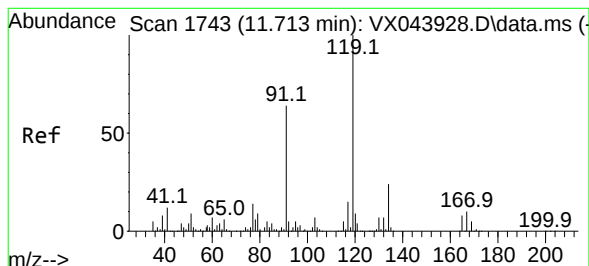
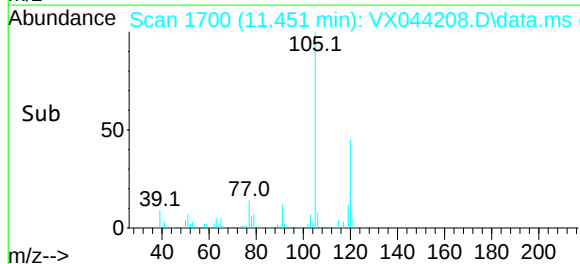
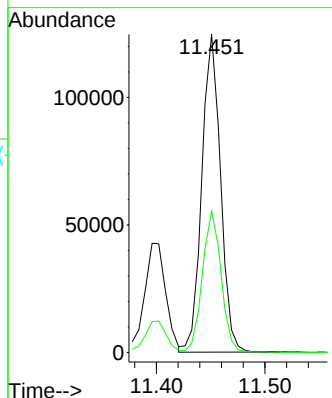
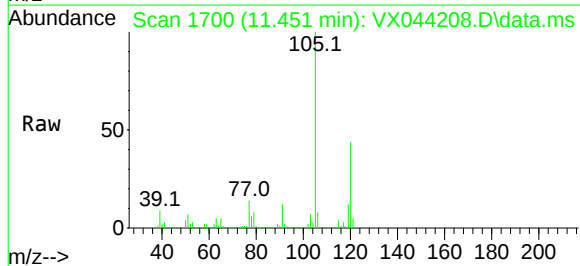
NP-WS-001

Tgt Ion:105 Resp: 149237

Ion Ratio Lower Upper

105 100

120 44.7 23.3 69.8



#83

tert-Butylbenzene

Concen: 0.987 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13

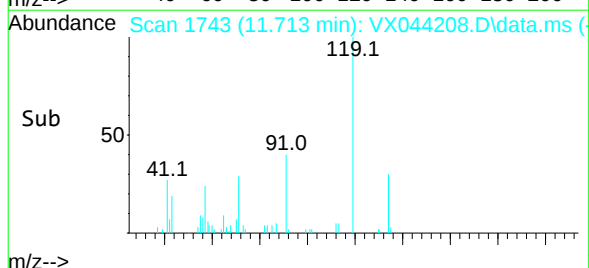
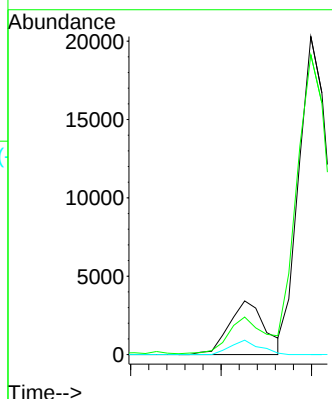
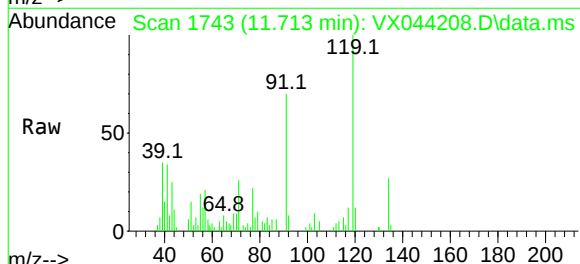
Tgt Ion:119 Resp: 4697

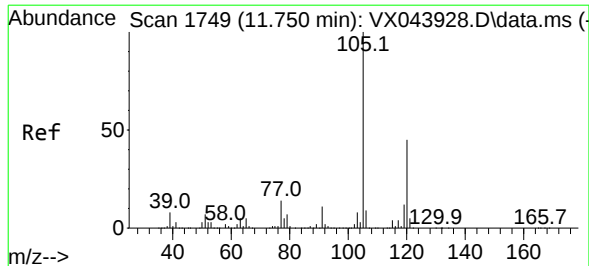
Ion Ratio Lower Upper

119 100

91 62.7 31.0 93.0

134 21.8 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 42.694 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

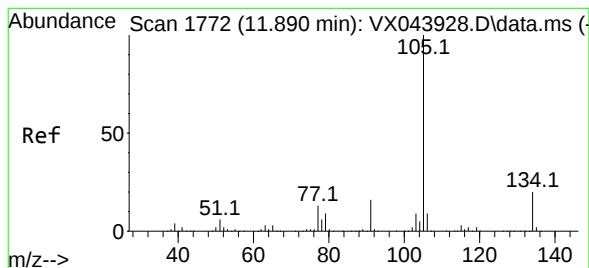
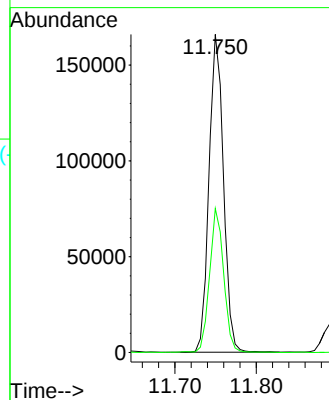
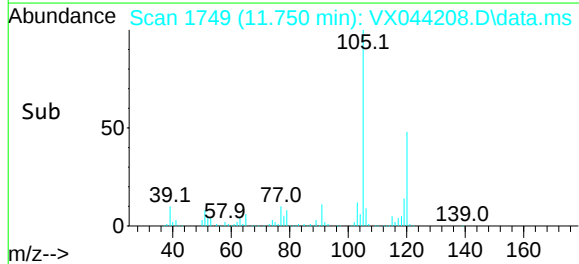
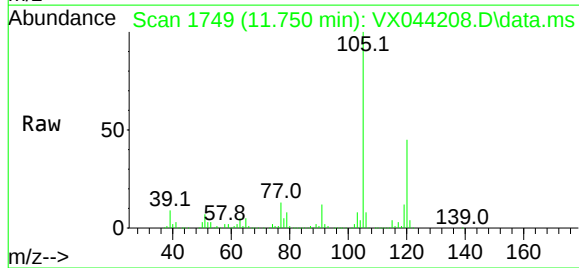
NP-WS-001

Tgt Ion:105 Resp: 204034

Ion Ratio Lower Upper

105 100

120 44.7 21.9 65.7



#85

sec-Butylbenzene

Concen: 3.061 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044208.D

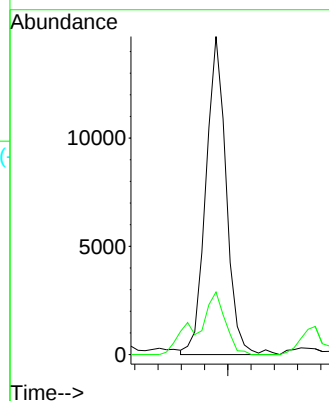
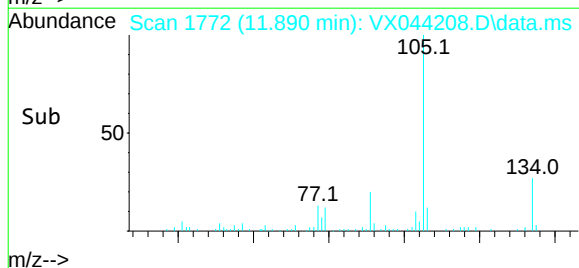
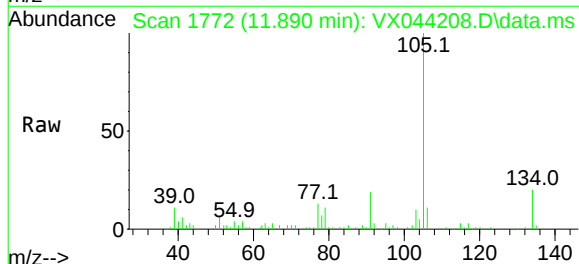
Acq: 10 Dec 2024 15:13

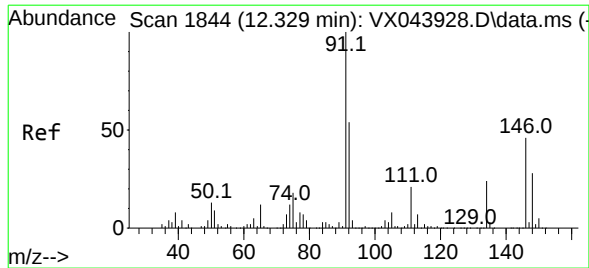
Tgt Ion:105 Resp: 17843

Ion Ratio Lower Upper

105 100

134 27.7 9.7 29.1





#89

n-Butylbenzene

Concen: 12.250 ug/l

RT: 12.310 min Scan# 1844

Delta R.T. -0.019 min

Lab File: VX044208.D

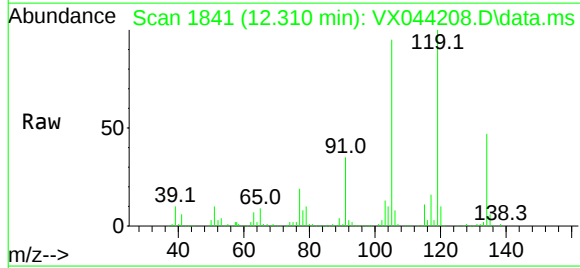
Acq: 10 Dec 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

NP-WS-001



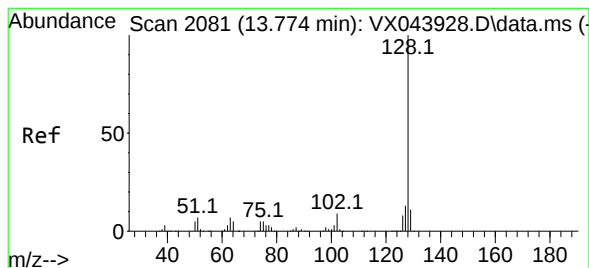
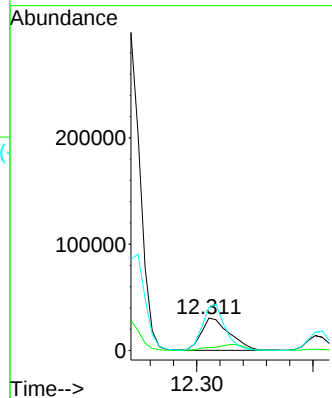
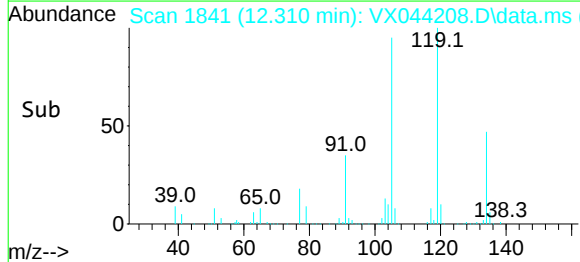
Tgt Ion: 91 Resp: 51143

Ion Ratio Lower Upper

91 100

92 21.2 26.6 79.8#

134 114.6 12.4 37.2#



#95

Naphthalene

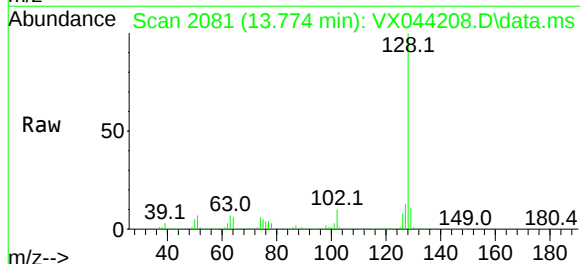
Concen: 57.020 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044208.D

Acq: 10 Dec 2024 15:13



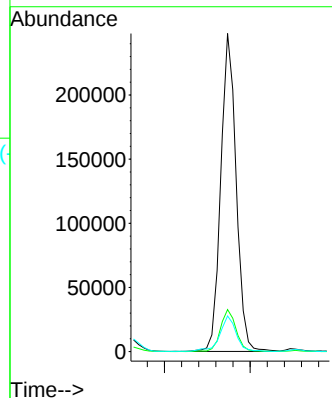
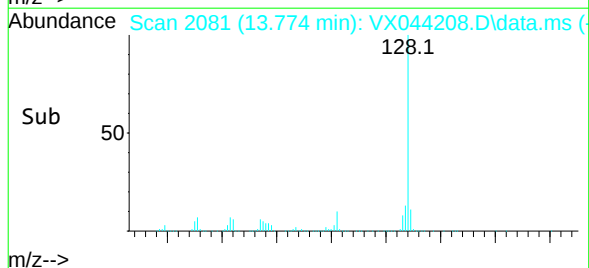
Tgt Ion: 128 Resp: 309574

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.2

129 11.9 8.6 12.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044208.D
 Acq On : 10 Dec 2024 15:13
 Operator : JC/MD
 Sample : P5224-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NP-WS-001

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Title : SW846 8260

Signal : TIC: VX044208.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.727	99	105	114	rBV	51606	71225	1.07%	0.187%
2	2.770	258	276	279	rBV2	37689	87734	1.31%	0.230%
3	2.812	279	283	288	rVV	104767	228144	3.42%	0.598%
4	2.855	288	290	302	rVV2	52795	111402	1.67%	0.292%
5	2.983	303	311	320	rVV	38083	90414	1.35%	0.237%
6	3.093	320	329	343	rVB2	104809	247970	3.71%	0.650%
7	3.721	424	432	442	rBV2	38094	98135	1.47%	0.257%
8	4.294	517	526	542	rVB	204917	600506	8.99%	1.575%
9	5.385	689	705	711	rBV2	81651	247953	3.71%	0.650%
10	5.464	711	718	726	rVV2	95415	292108	4.37%	0.766%
11	5.550	726	732	738	rVB	82254	195152	2.92%	0.512%
12	5.818	767	776	790	rVB3	62324	193689	2.90%	0.508%
13	5.958	790	799	805	rBV	90985	243794	3.65%	0.639%
14	6.037	805	812	822	rVB2	69739	183575	2.75%	0.481%
15	6.159	822	832	835	rBV3	40432	114839	1.72%	0.301%
16	6.245	842	846	856	rVB3	59515	158361	2.37%	0.415%
17	6.354	856	864	875	rVB3	47147	135609	2.03%	0.356%
18	6.757	921	930	940	rBV	199588	573207	8.58%	1.503%
19	6.848	941	945	958	rVB5	59721	146868	2.20%	0.385%
20	7.372	1019	1031	1044	rBV4	214419	574085	8.60%	1.505%
21	7.653	1071	1077	1088	rVB2	46170	91979	1.38%	0.241%
22	7.982	1122	1131	1142	rVB4	30111	91198	1.37%	0.239%
23	8.104	1144	1151	1155	rBV3	52829	113728	1.70%	0.298%
24	8.500	1210	1216	1226	rVB	79814	154908	2.32%	0.406%
25	8.647	1235	1240	1249	rVB	411274	661745	9.91%	1.735%
26	10.055	1466	1471	1476	rBV	403135	557234	8.34%	1.461%
27	10.195	1489	1494	1501	rBV	155559	210445	3.15%	0.552%
28	10.299	1501	1511	1518	rVB	79079	135524	2.03%	0.355%
29	10.963	1614	1620	1628	rBV	455450	586962	8.79%	1.539%
30	11.079	1634	1639	1645	rBV	336546	431248	6.46%	1.131%
31	11.305	1671	1676	1683	rBV	494460	615514	9.22%	1.614%
32	11.396	1685	1691	1695	rVV	113038	157128	2.35%	0.412%
33	11.451	1695	1700	1711	rVB	360628	449010	6.72%	1.177%
34	11.609	1721	1726	1735	rBV	299562	377684	5.66%	0.990%
35	11.750	1745	1749	1759	rVB	486090	593373	8.89%	1.556%
36	12.018	1788	1793	1797	rBV	391640	520925	7.80%	1.366%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044208.D
 Acq On : 10 Dec 2024 15:13
 Operator : JC/MD
 Sample : P5224-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NP-WS-001

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\82X112124W.M
 Title : SW846 8260

37	12.085	1801	1804	1809	rVB	240399	286189	4.29%	0.750%
38	12.243	1824	1830	1837	rBV	5465929	6678147	100.00%	17.512%
39	12.311	1837	1841	1849	rVB	424484	597685	8.95%	1.567%
40	12.402	1851	1856	1862	rBV3	200555	264163	3.96%	0.693%
41	12.463	1862	1866	1872	rVB2	50902	75447	1.13%	0.198%
42	12.530	1872	1877	1885	rBV	173223	246813	3.70%	0.647%
43	12.615	1885	1891	1894	rBV	2094534	2703512	40.48%	7.089%
44	12.646	1894	1896	1900	rVB	347598	346179	5.18%	0.908%
45	12.701	1900	1905	1913	rBV2	1181172	1758895	26.34%	4.612%
46	12.841	1923	1928	1933	rVB3	58823	89869	1.35%	0.236%
47	12.920	1933	1941	1945	rBV	1239664	1483059	22.21%	3.889%
48	12.963	1945	1948	1954	rVB	190901	239006	3.58%	0.627%
49	13.024	1954	1958	1966	rBV4	97382	156774	2.35%	0.411%
50	13.170	1978	1982	1991	rVB	1137335	1453875	21.77%	3.812%
51	13.292	1997	2002	2008	rVB2	2621339	3494823	52.33%	9.164%
52	13.371	2012	2015	2019	rVB	75479	86132	1.29%	0.226%
53	13.420	2019	2023	2031	rVB	258248	353032	5.29%	0.926%
54	13.505	2031	2037	2040	rBV2	97068	141574	2.12%	0.371%
55	13.542	2040	2043	2046	rVV	219856	275737	4.13%	0.723%
56	13.579	2046	2049	2054	rVV3	260778	399246	5.98%	1.047%
57	13.640	2054	2059	2060	rVV2	121160	158280	2.37%	0.415%
58	13.664	2060	2063	2072	rVB2	255993	408765	6.12%	1.072%
59	13.774	2073	2081	2090	rBV	531138	724788	10.85%	1.901%
60	13.853	2090	2094	2100	rVB2	68697	101828	1.52%	0.267%
61	13.926	2100	2106	2110	rBV2	166675	235303	3.52%	0.617%
62	13.969	2110	2113	2117	rVB2	109171	123596	1.85%	0.324%
63	14.072	2125	2130	2137	rBV	204413	275629	4.13%	0.723%
64	14.219	2148	2154	2163	rBV4	213299	451369	6.76%	1.184%
65	14.316	2166	2170	2175	rVV	97374	134022	2.01%	0.351%
66	14.371	2175	2179	2184	rVB	150954	189220	2.83%	0.496%
67	14.481	2192	2197	2201	rBV2	133600	184487	2.76%	0.484%
68	14.633	2218	2222	2233	rVB	874924	1140139	17.07%	2.990%
69	14.780	2240	2246	2251	rBV	1062692	1350525	20.22%	3.541%
70	15.182	2307	2312	2320	rBV2	39701	79902	1.20%	0.210%
71	15.377	2337	2344	2346	rBV2	46129	70717	1.06%	0.185%
72	15.475	2355	2360	2373	rVB	145987	265105	3.97%	0.695%
73	15.615	2373	2383	2386	rVV	223033	368284	5.51%	0.966%
74	15.645	2386	2388	2396	rVB	120557	174863	2.62%	0.459%
75	15.834	2408	2419	2428	rBV2	55254	154688	2.32%	0.406%
76	15.987	2437	2444	2456	rVB	36500	70264	1.05%	0.184%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NP-WS-001

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\82X112124W.M
Title : SW846 8260

Sum of corrected areas: 38135306

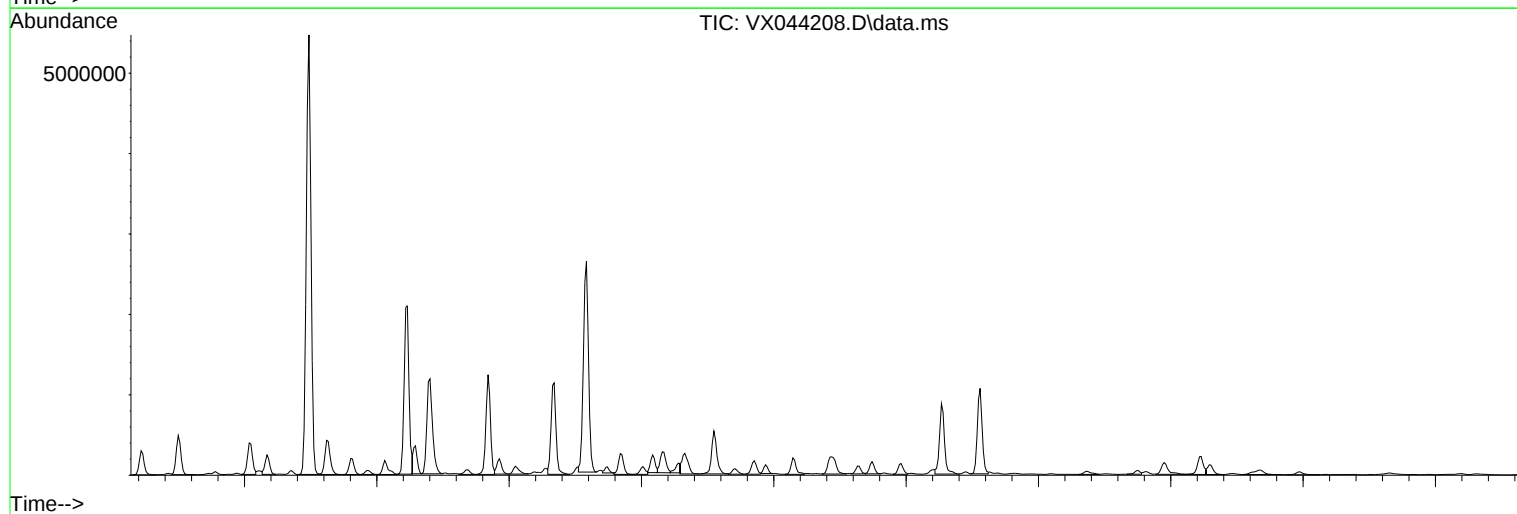
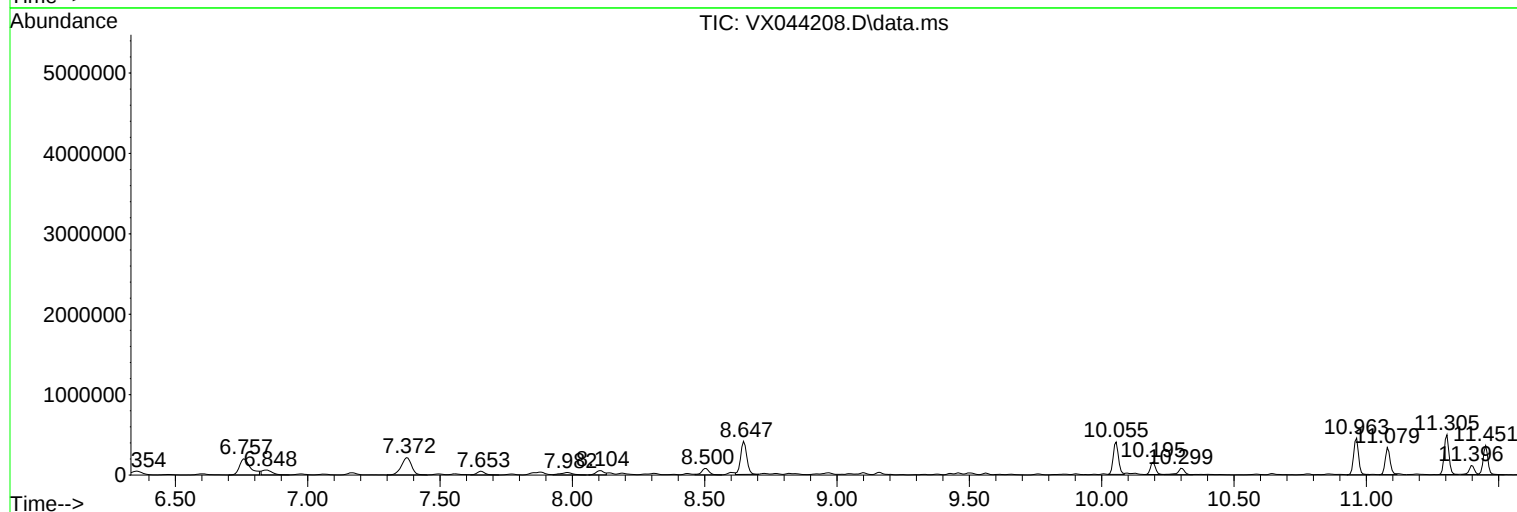
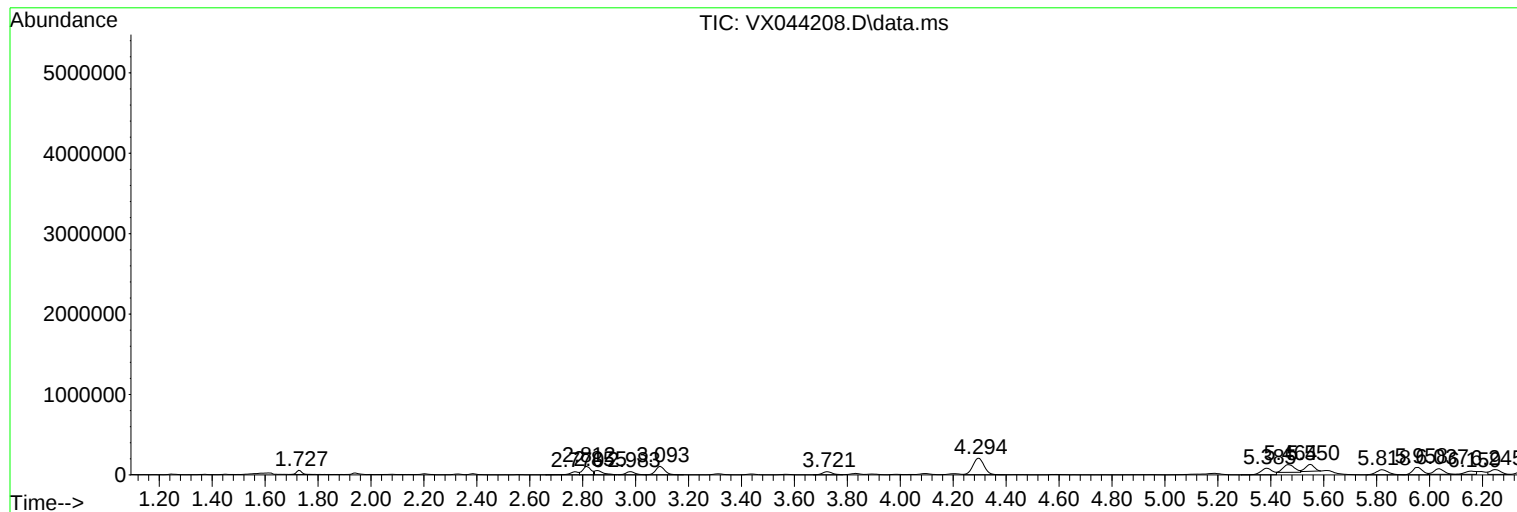
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Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NP-WS-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NP-WS-001

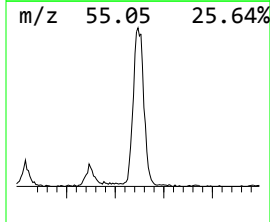
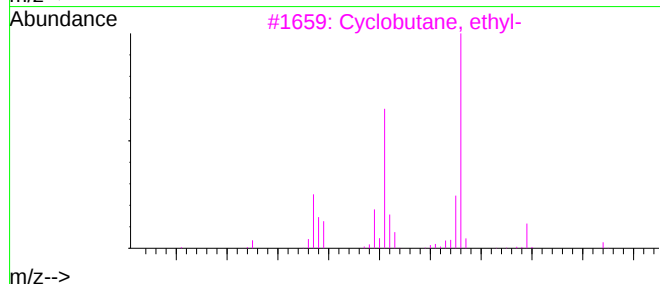
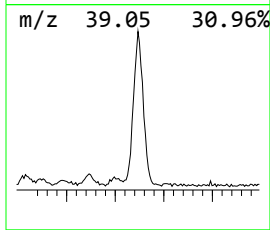
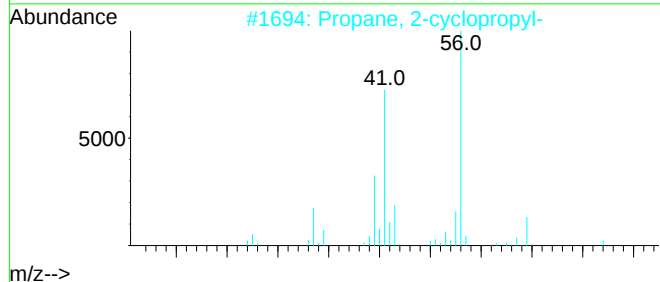
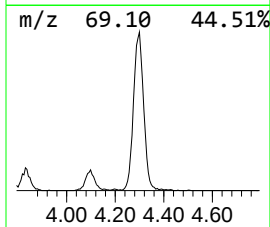
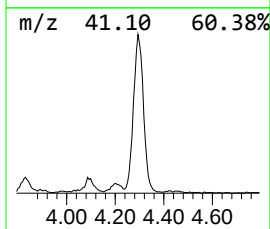
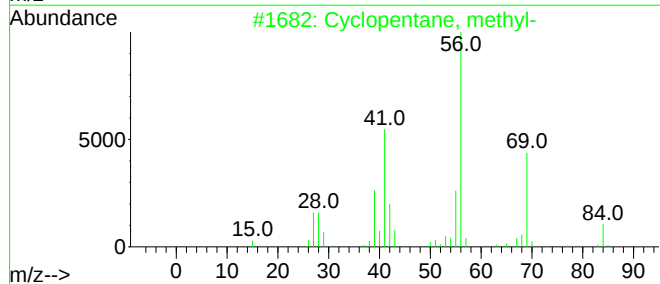
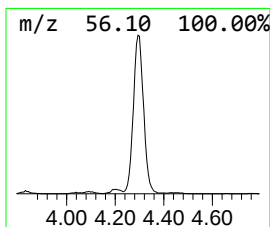
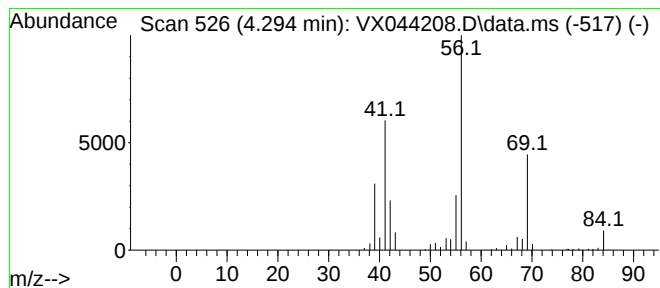
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclopentane, methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.294	153.86 ug/l	600506	Pentafluorobenzene	5.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	64
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	56
5	Cyclobutane	56	C4H8	000287-23-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NP-WS-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

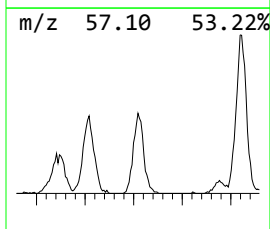
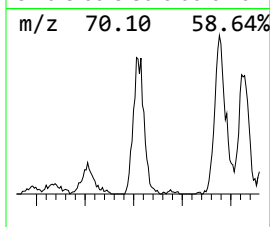
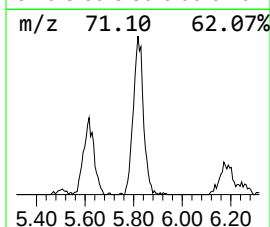
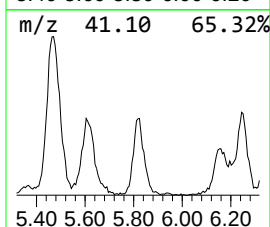
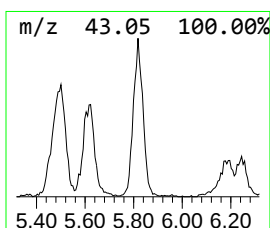
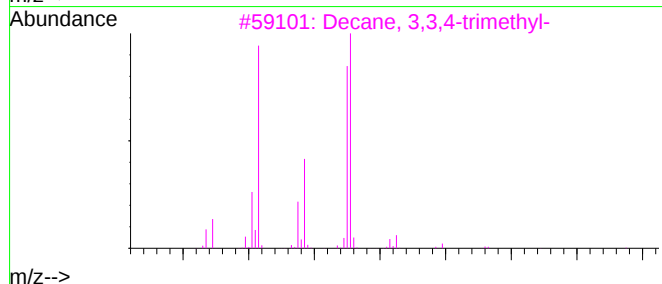
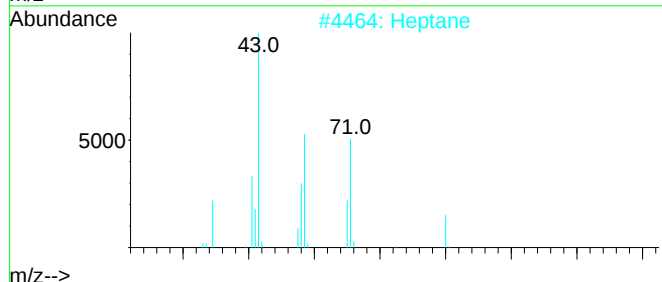
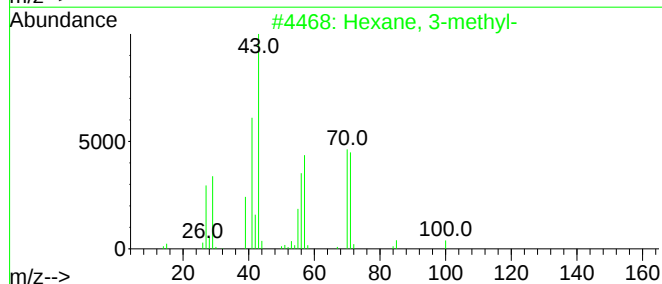
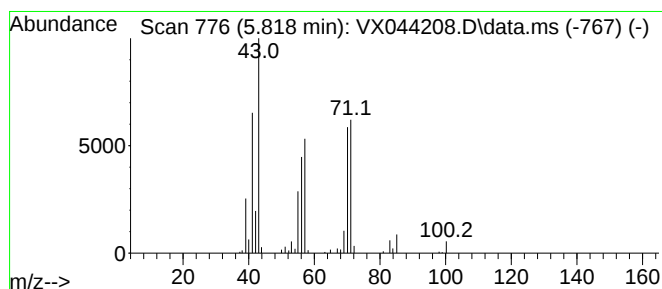
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 2 Hexane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.818	49.63 ug/l	193689	Pentafluorobenzene	5.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Heptane	100	C7H16	000142-82-5	59
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	50
4	Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	50
5	1-Pentanol, 3,4-dimethyl-	116	C7H16O	006570-87-2	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

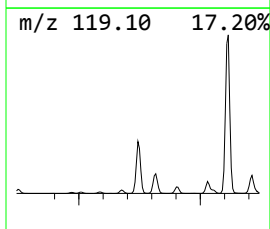
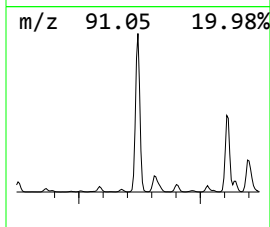
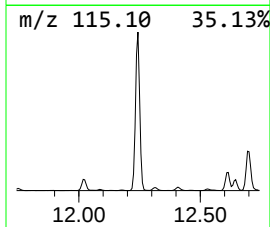
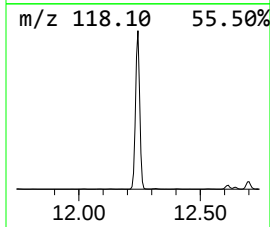
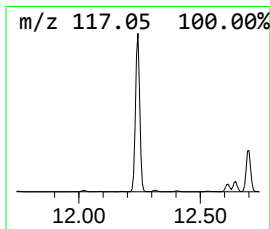
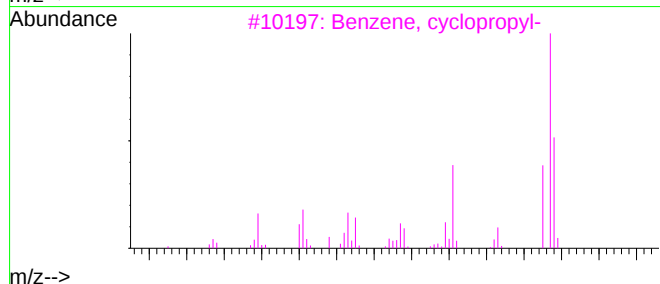
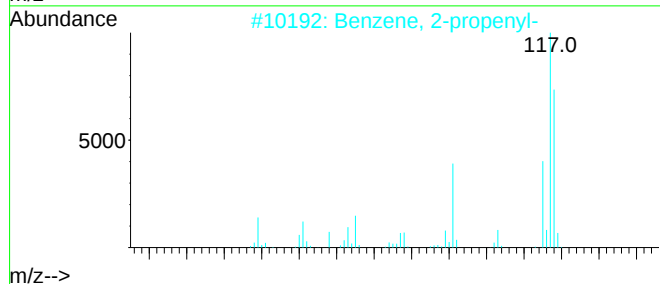
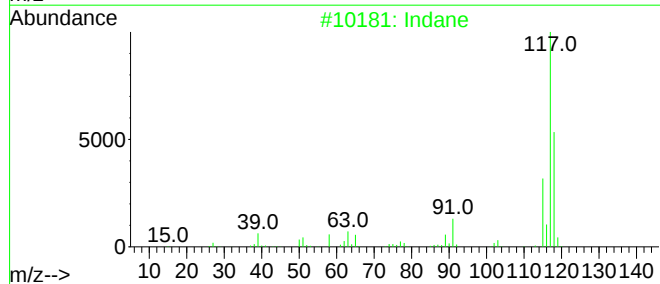
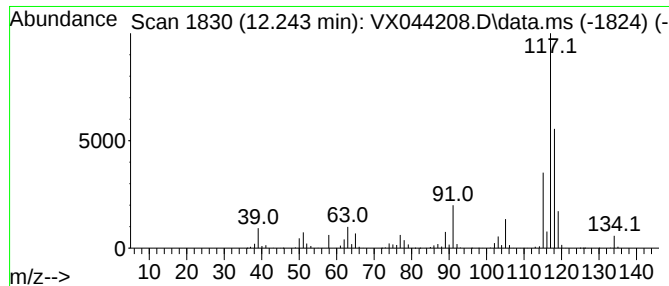
Instrument :
MSVOA_X
ClientSampleId :
NP-WS-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

Peak Number 3 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.243	640.99 ug/l	6678150	1,4-Dichlorobenzene-d4	12.024	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	70
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NP-WS-001

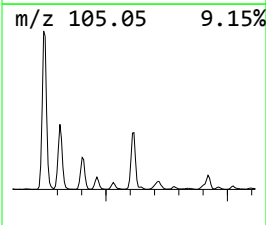
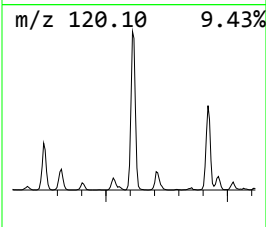
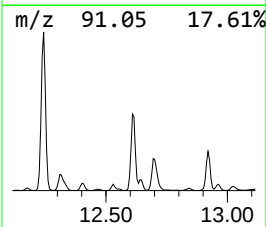
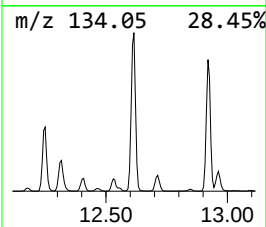
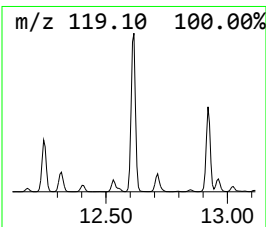
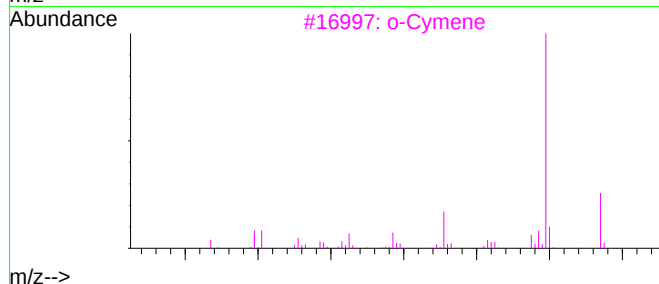
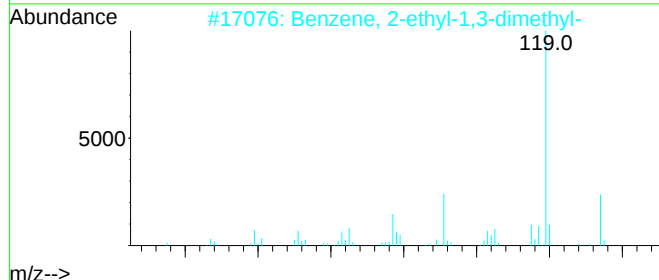
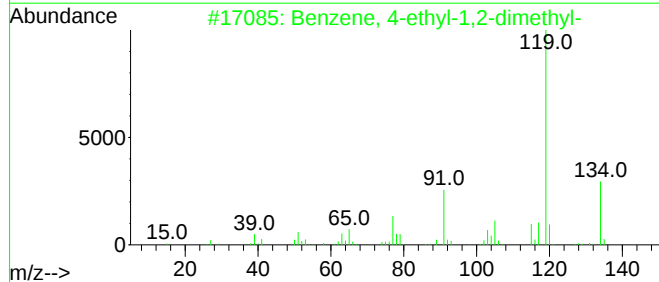
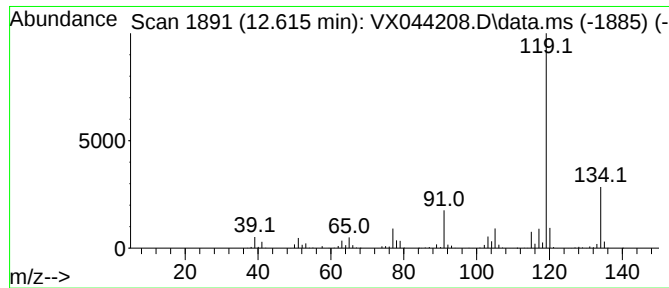
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Quant Title : SW846 8260

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

Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.615	259.49 ug/l	2703510	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NP-WS-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

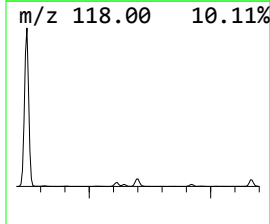
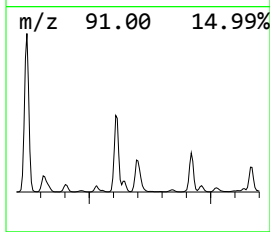
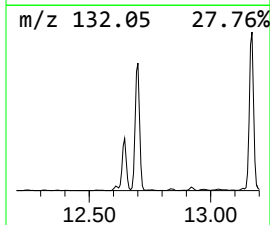
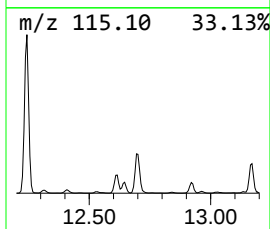
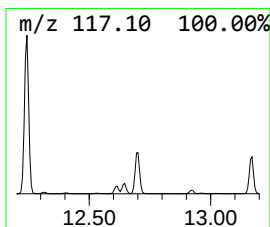
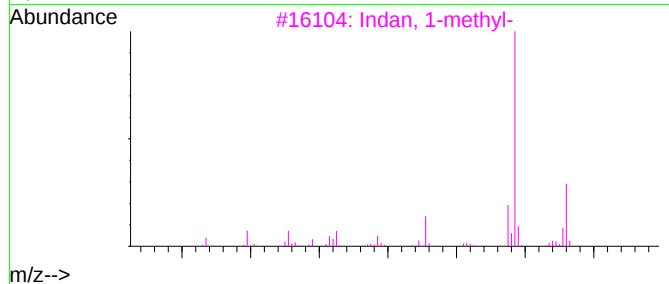
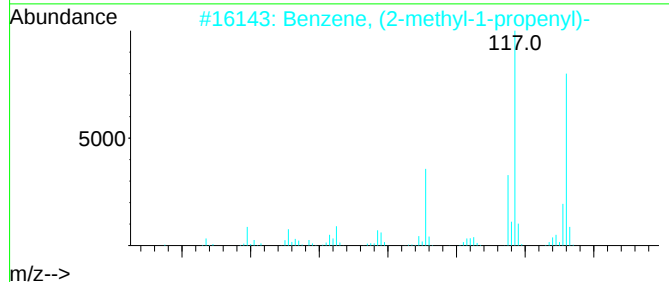
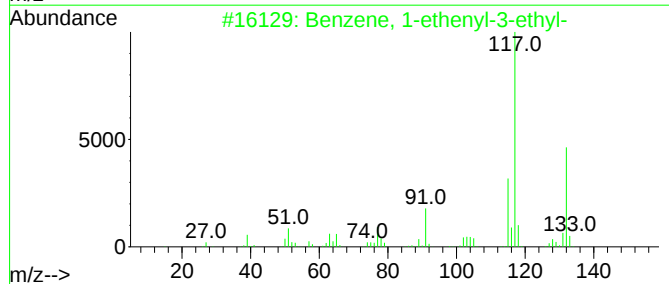
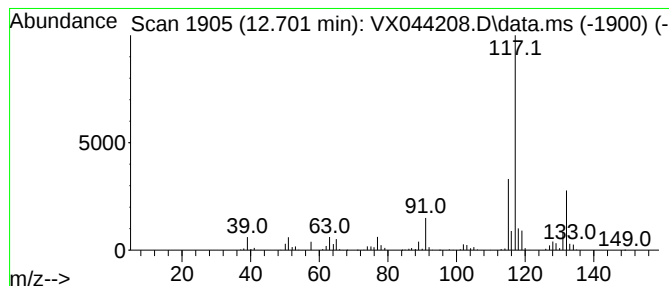
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.701	168.82 ug/l	1758900	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NP-WS-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

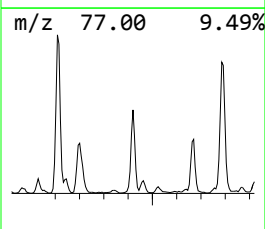
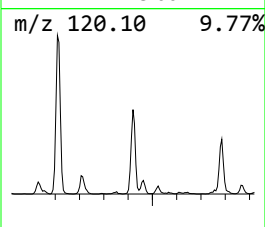
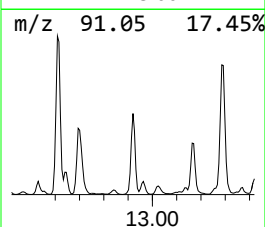
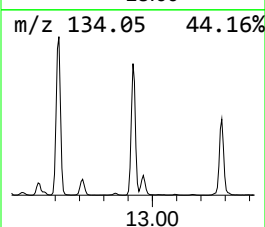
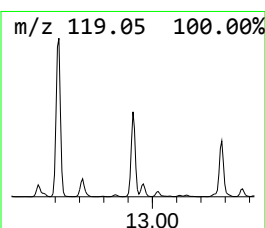
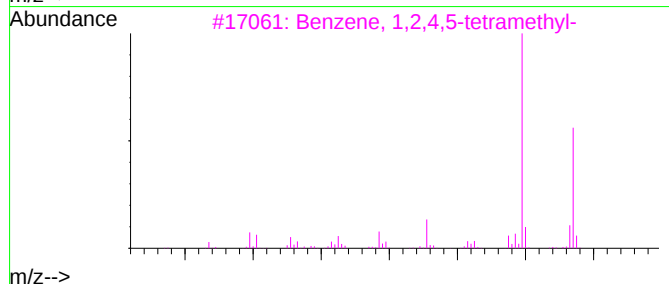
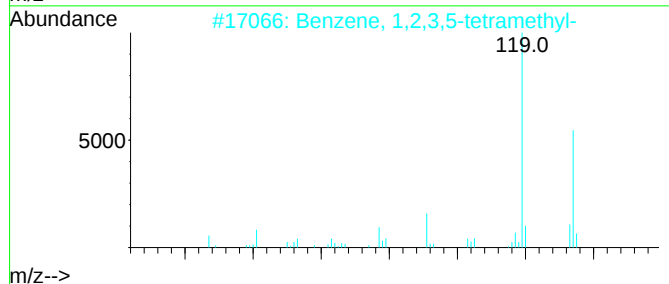
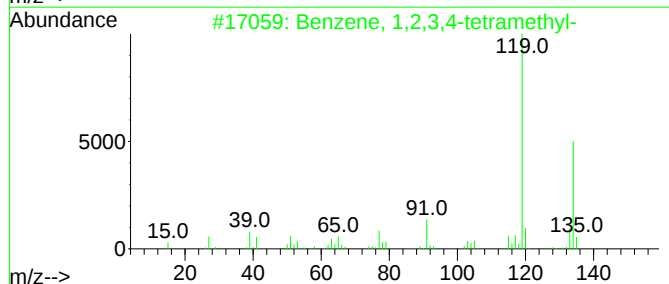
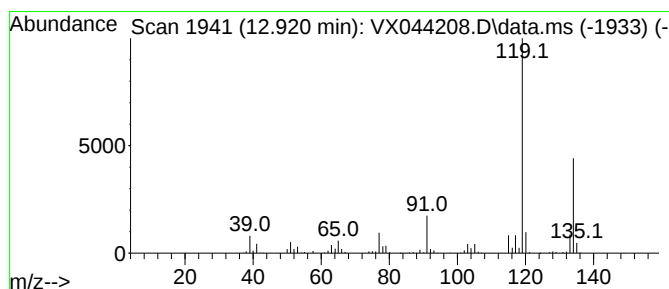
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.920	142.35 ug/l	1483060	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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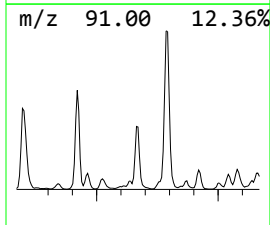
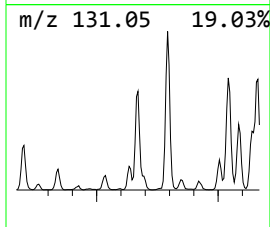
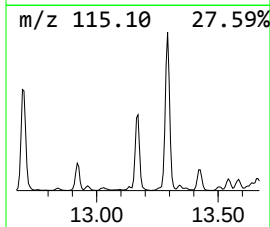
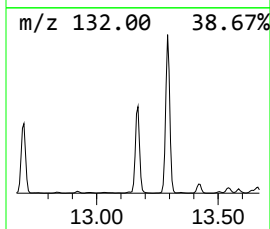
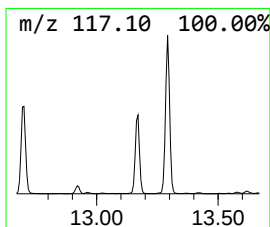
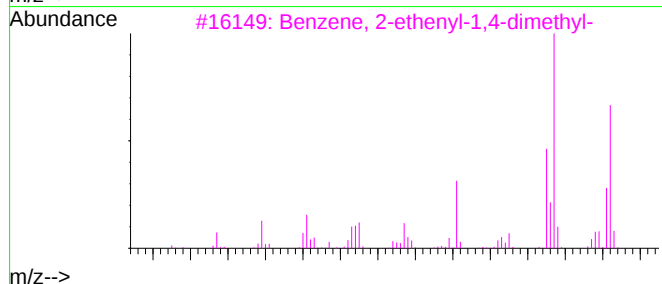
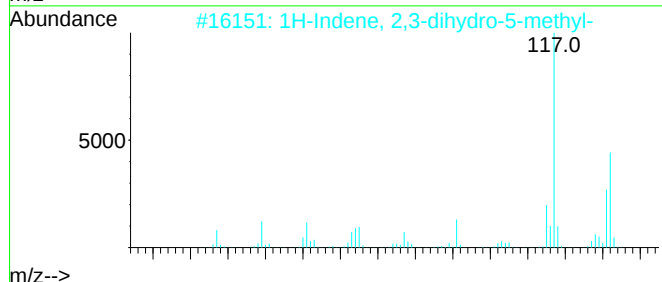
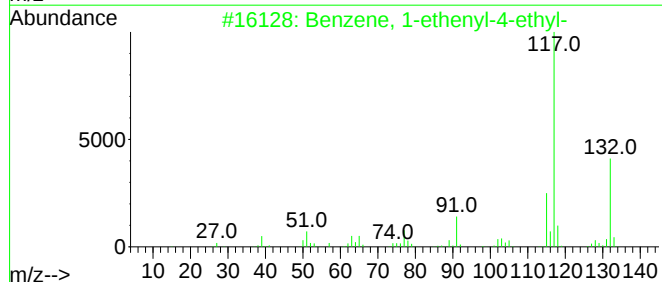
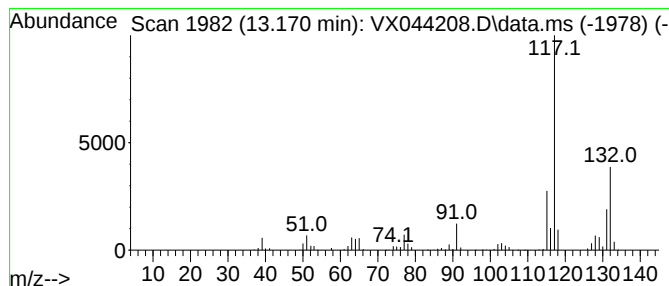
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.170	139.55 ug/l	1453880	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NP-WS-001

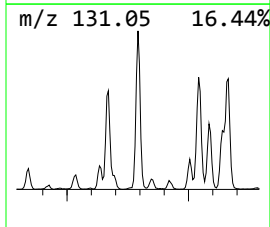
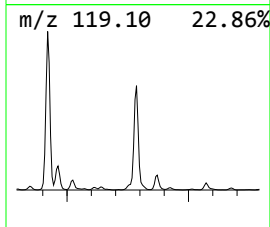
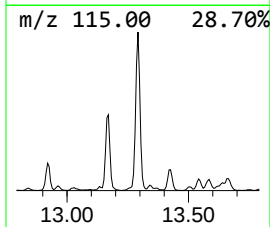
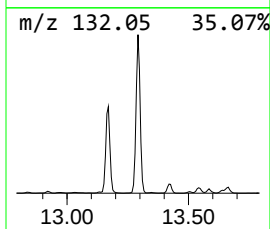
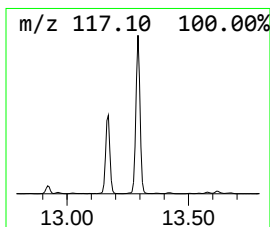
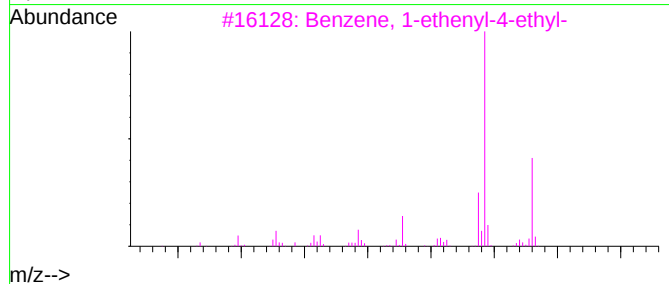
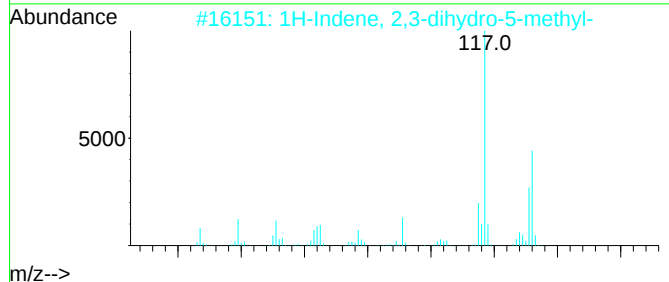
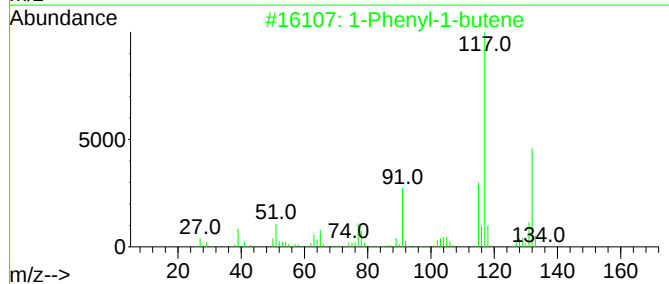
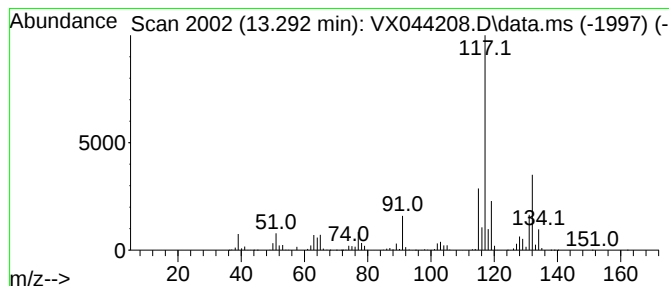
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 8 1-Phenyl-1-butene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.292	335.44 ug/l	3494820	1,4-Dichlorobenzene-d4	12.024	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	89
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	89
4	Indan, 1-methyl-	132	C10H12	000767-58-8	76
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NP-WS-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

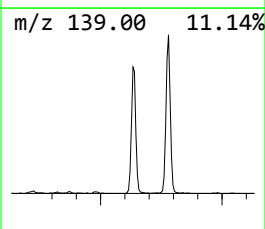
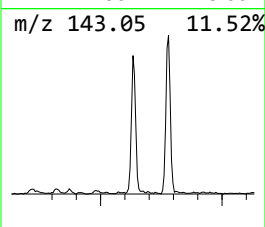
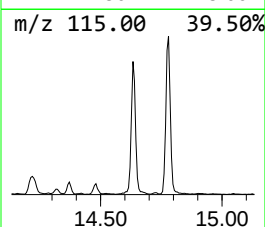
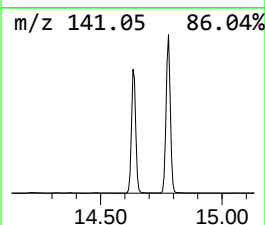
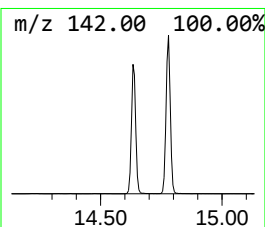
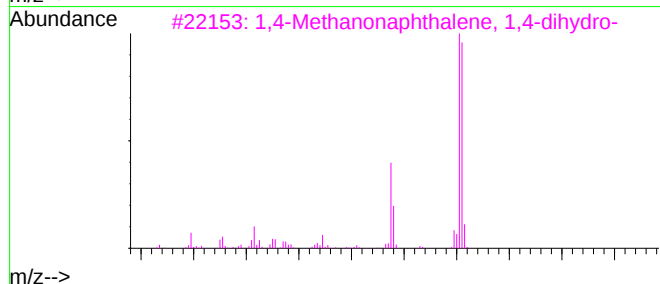
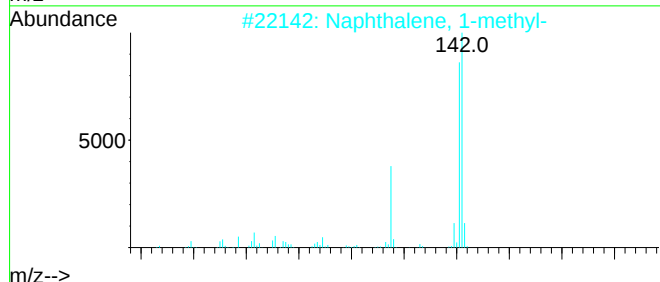
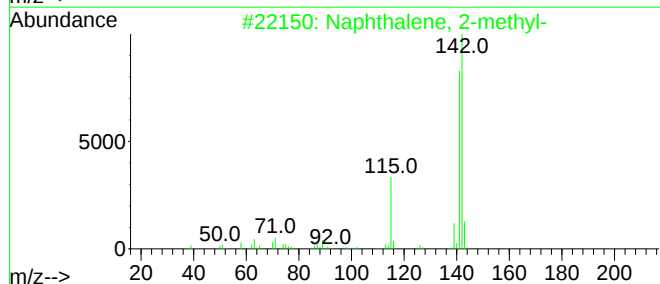
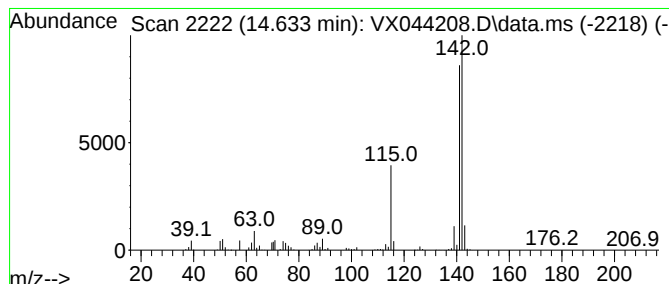
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.633	109.43 ug/l	1140140	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NP-WS-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

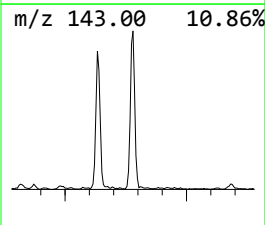
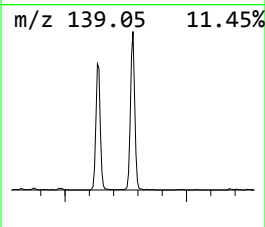
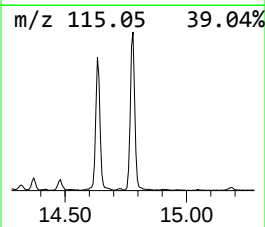
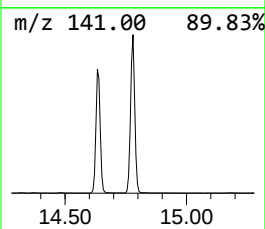
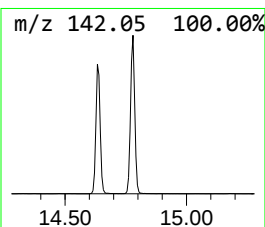
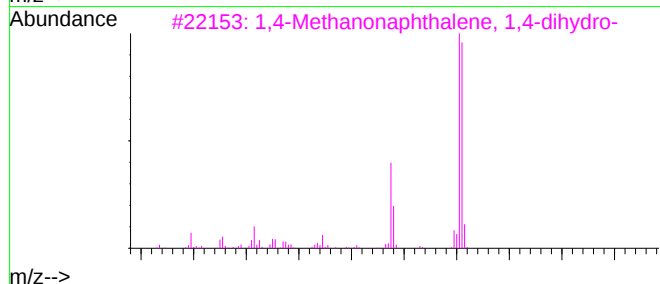
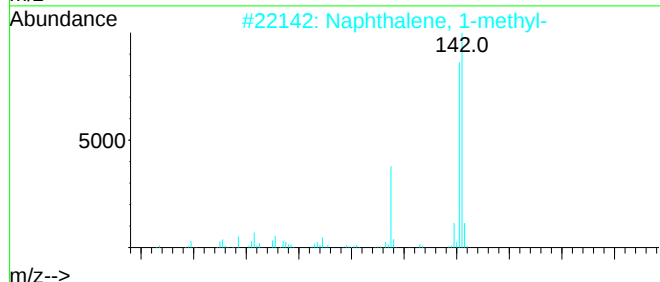
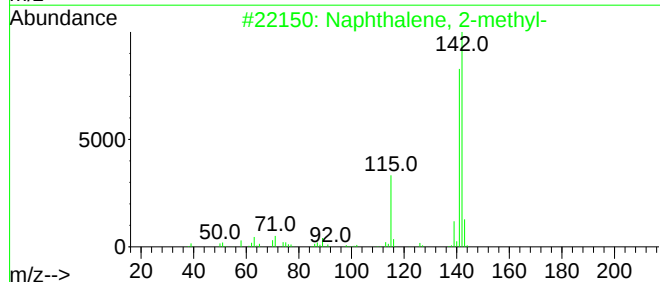
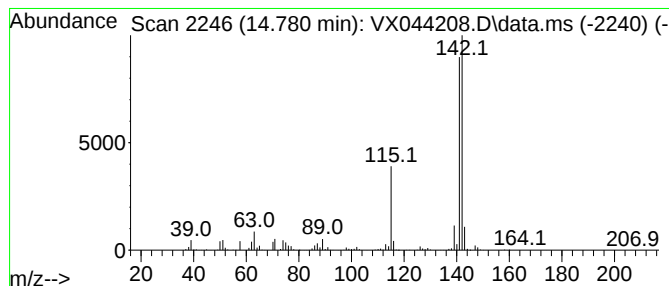
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.780	129.63 ug/l	1350530	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044208.D
Acq On : 10 Dec 2024 15:13
Operator : JC/MD
Sample : P5224-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NP-WS-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclopentane, m...	4.294	153.9	ug/l	600506	1	5.550	195152	50.0
Hexane, 3-methyl-	5.818	49.6	ug/l	193689	1	5.550	195152	50.0
Indane	12.243	641.0	ug/l	6678150	4	12.024	520925	50.0
Benzene, 4-ethy...	12.615	259.5	ug/l	2703510	4	12.024	520925	50.0
Benzene, 1-ethe...	12.701	168.8	ug/l	1758900	4	12.024	520925	50.0
Benzene, 1,2,3,...	12.920	142.3	ug/l	1483060	4	12.024	520925	50.0
Benzene, 1-ethe...	13.170	139.6	ug/l	1453880	4	12.024	520925	50.0
1-Phenyl-1-butene	13.292	335.4	ug/l	3494820	4	12.024	520925	50.0
Naphthalene, 2-...	14.633	109.4	ug/l	1140140	4	12.024	520925	50.0
Naphthalene, 1-...	14.780	129.6	ug/l	1350530	4	12.024	520925	50.0



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: P5224 SAS No.: P5224 SDG No.: P5224
 Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024
 Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX043925.D		RRF005 = VX043926.D		RRF020 = VX043927.D			
		RRF050 = VX043928.D		RRF100 = VX043929.D		RRF150 = VX043930.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.634	0.633	0.641	0.684	0.601	0.608	0.633	4.6	
Chloromethane	0.578	0.662	0.720	0.697	0.665	0.677	0.667	7.3	
Vinyl Chloride	0.675	0.708	0.730	0.762	0.695	0.684	0.709	4.6	
Bromomethane		0.425	0.438	0.445	0.429	0.442	0.436	2	
Chloroethane	0.579	0.429	0.404	0.459	0.368	0.354	0.432	18.9	
Trichlorofluoromethane	1.038	1.267	1.335	1.357	1.281	1.328	1.268	9.3	
1,1,2-Trichlorotrifluoroethane	0.592	0.585	0.605	0.658	0.589	0.599	0.605	4.5	
1,1-Dichloroethene	0.596	0.530	0.585	0.600	0.572	0.576	0.576	4.4	
Acetone	0.401	0.396	0.401	0.425	0.370	0.370	0.394	5.4	
Carbon Disulfide	1.082	0.956	1.078	1.287	1.330	1.398	1.188	14.6	
Methyl tert-butyl Ether	1.732	1.991	2.212	2.264	2.160	2.192	2.092	9.5	
Methyl Acetate	0.931	0.871	0.911	0.987	0.894	0.910	0.917	4.3	
Methylene Chloride	0.704	0.656	0.684	0.667	0.643	0.655	0.668	3.3	
trans-1,2-Dichloroethene	0.545	0.563	0.609	0.633	0.600	0.619	0.595	5.7	
1,1-Dichloroethane	0.980	1.118	1.221	1.256	1.185	1.208	1.161	8.6	
Cyclohexane		0.911	0.976	1.041	0.926	0.925	0.956	5.6	
2-Butanone	0.448	0.486	0.538	0.567	0.500	0.510	0.508	8.1	
Carbon Tetrachloride	0.439	0.466	0.491	0.558	0.520	0.528	0.500	8.7	
cis-1,2-Dichloroethene	0.674	0.673	0.761	0.792	0.745	0.767	0.735	6.8	
Bromochloromethane	0.501	0.611	0.482	0.450	0.500	0.523	0.511	10.7	
Chloroform	1.070	1.238	1.309	1.316	1.269	1.293	1.249	7.4	
1,1,1-Trichloroethane	0.873	1.005	1.133	1.184	1.119	1.149	1.077	10.9	
Methylcyclohexane	0.544	0.556	0.564	0.656	0.574	0.576	0.578	6.9	
Benzene	1.211	1.369	1.457	1.494	1.388	1.402	1.387	7	
1,2-Dichloroethane	0.499	0.546	0.585	0.603	0.551	0.558	0.557	6.4	
Trichloroethene	0.547	0.372	0.368	0.373	0.345	0.352	0.393	19.5	
1,2-Dichloropropane	0.288	0.322	0.361	0.371	0.346	0.350	0.340	8.8	
Bromodichloromethane	0.349	0.425	0.501	0.544	0.528	0.545	0.482	16.4	
4-Methyl-2-Pentanone	0.437	0.527	0.562	0.606	0.539	0.548	0.537	10.4	
Toluene	0.636	0.839	0.883	0.921	0.850	0.852	0.830	12	

* 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.



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: P5224 SAS No.: P5224 SDG No.: P5224
 Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024
 Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX043925.D		RRF005 = VX043926.D		RRF020 = VX043927.D			
		RRF050 = VX043928.D		RRF100 = VX043929.D		RRF150 = VX043930.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.341	0.413	0.507	0.569	0.549	0.570	0.491	19.2	
cis-1,3-Dichloropropene	0.409	0.462	0.569	0.611	0.580	0.601	0.539	15.4	
1,1,2-Trichloroethane	0.287	0.340	0.375	0.370	0.340	0.345	0.343	9.1	
2-Hexanone	0.297	0.393	0.431	0.471	0.410	0.419	0.403	14.5	
Dibromochloromethane	0.249	0.292	0.344	0.396	0.380	0.401	0.344	18	
1,2-Dibromoethane	0.258	0.339	0.373	0.385	0.358	0.367	0.346	13.3	
Tetrachloroethene	0.304	0.342	0.336	0.349	0.315	0.332	0.330	5.1	
Chlorobenzene	1.050	1.109	1.107	1.145	1.069	1.108	1.098	3.1	
Ethyl Benzene	1.579	1.831	1.910	2.024	1.884	1.938	1.861	8.2	
m/p-Xylenes	0.610	0.663	0.704	0.762	0.700	0.725	0.694	7.6	
o-Xylene	0.543	0.665	0.691	0.757	0.693	0.716	0.678	10.7	
Styrene	0.859	1.025	1.174	1.263	1.186	1.217	1.121	13.5	
Bromoform	0.145	0.200	0.222	0.284	0.286	0.306	0.240	25.9	
Isopropylbenzene	3.435	3.927	3.996	4.097	3.679	3.927	3.843	6.3	
1,1,2,2-Tetrachloroethane	1.198	1.356	1.375	1.393	1.260	1.314	1.316	5.7	
1,3-Dichlorobenzene	1.580	1.656	1.701	1.764	1.623	1.696	1.670	3.9	
1,4-Dichlorobenzene	1.730	1.638	1.706	1.782	1.650	1.710	1.702	3.1	
1,2-Dichlorobenzene	1.506	1.733	1.723	1.768	1.642	1.740	1.685	5.8	
1,2-Dibromo-3-Chloropropane	0.213	0.254	0.252	0.284	0.275	0.304	0.264	12	
1,2,4-Trichlorobenzene	0.849	0.905	0.987	1.084	1.012	1.125	0.994	10.5	
1,2,3-Trichlorobenzene	0.753	0.960	1.055	1.118	1.018	1.130	1.006	13.8	
1,2-Dichloroethane-d4		0.926	0.876	0.751	0.855	0.880	0.858	7.6	
Dibromofluoromethane		0.371	0.353	0.327	0.359	0.376	0.357	5.4	
Toluene-d8		1.327	1.237	1.104	1.232	1.257	1.232	6.6	
4-Bromofluorobenzene		0.401	0.414	0.387	0.438	0.455	0.419	6.6	

* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X112124W.M
 Title : SW846 8260
 Last Update : Fri Nov 22 03:45:52 2024
 Response Via : Initial Calibration

Calibration Files

1 =VX043925.D 5 =VX043926.D 20 =VX043927.D 50 =VX043928.D 100 =VX043929.D 150 =VX043930.

D

Compound		1	5	20	50	100	150	Avg	%RSD

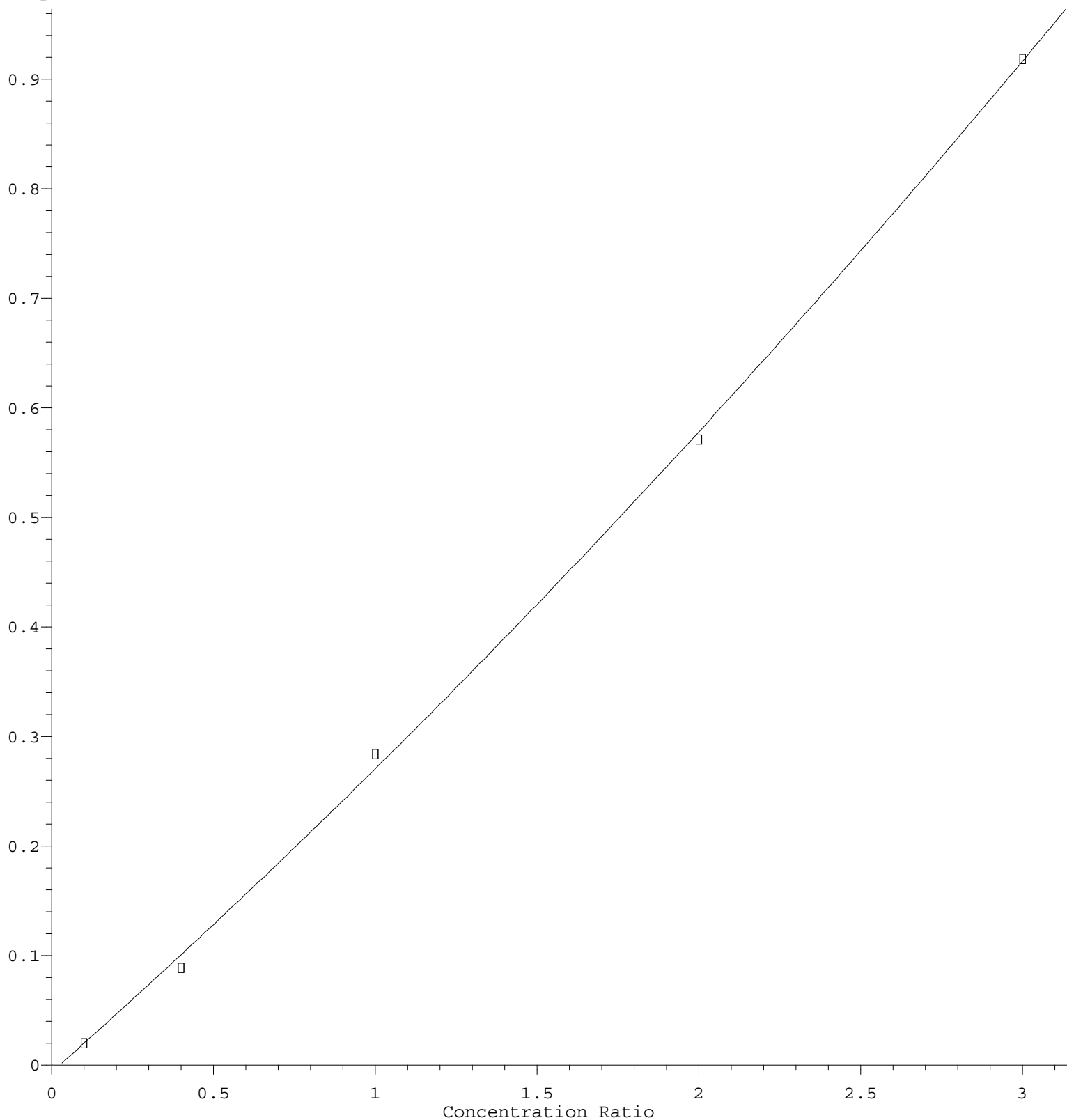
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.634	0.633	0.641	0.684	0.601	0.608	0.633	4.64
3) P	Chloromethane	0.578	0.662	0.720	0.697	0.665	0.677	0.667	7.26
4) C	Vinyl Chloride	0.675	0.708	0.730	0.762	0.695	0.684	0.709	4.56#
5) T	Bromomethane		0.425	0.438	0.445	0.429	0.442	0.436	1.95
6) T	Chloroethane	0.579	0.429	0.404	0.459	0.368	0.354	0.432	18.87
7) T	Trichlorofluor...	1.038	1.267	1.335	1.357	1.281	1.328	1.268	9.27
8) T	Diethyl Ether	0.477	0.430	0.470	0.474	0.455	0.467	0.462	3.80
9) T	1,1,2-Trichlor...	0.592	0.585	0.605	0.658	0.589	0.599	0.605	4.47
10) T	Methyl Iodide		0.656	0.782	0.809	0.773	0.755	0.755	7.75
11) T	Tert butyl alc...		0.123	0.133	0.145	0.134	0.154	0.138	8.73
12) CM	1,1-Dichloroet...	0.596	0.530	0.585	0.600	0.572	0.576	0.576	4.38#
13) T	Acrolein		0.158	0.128	0.145	0.145	0.148	0.145	7.53
14) T	Allyl chloride	0.796	0.854	0.964	1.044	0.998	0.993	0.941	10.17
15) T	Acrylonitrile	0.301	0.322	0.343	0.370	0.332	0.345	0.335	6.97
16) T	Acetone	0.401	0.396	0.401	0.425	0.370	0.370	0.394	5.39
17) T	Carbon Disulfide	1.082	0.956	1.078	1.287	1.330	1.398	1.188	14.64
18) T	Methyl Acetate	0.931	0.871	0.911	0.987	0.894	0.910	0.917	4.32
19) T	Methyl tert-bu...	1.732	1.991	2.212	2.264	2.160	2.192	2.092	9.52
20) T	Methylene Chlo...	0.704	0.656	0.684	0.667	0.643	0.655	0.668	3.33
21) T	trans-1,2-Dich...	0.545	0.563	0.609	0.633	0.600	0.619	0.595	5.72
22) T	Diisopropyl ether	1.638	1.930	2.170	2.162	2.071	2.106	2.013	10.09
23) T	Vinyl Acetate	1.244	1.542	1.833	1.941	1.858	1.914	1.722	15.93
24) P	1,1-Dichloroet...	0.980	1.118	1.221	1.256	1.185	1.208	1.161	8.63
25) T	2-Butanone	0.448	0.486	0.538	0.567	0.500	0.510	0.508	8.10
26) T	2,2-Dichloropr...	0.902	0.997	1.062	1.141	1.082	1.109	1.049	8.28
27) T	cis-1,2-Dichlo...	0.674	0.673	0.761	0.792	0.745	0.767	0.735	6.83
28) T	Bromochloromet...	0.501	0.611	0.482	0.450	0.500	0.523	0.511	10.68
29) T	Tetrahydrofuran	0.286	0.312	0.319	0.338	0.303	0.311	0.312	5.49
30) C	Chloroform	1.070	1.238	1.309	1.316	1.269	1.293	1.249	7.41#
31) T	Cyclohexane		0.911	0.976	1.041	0.926	0.925	0.956	5.60
32) T	1,1,1-Trichlor...	0.873	1.005	1.133	1.184	1.119	1.149	1.077	10.86
33) S	1,2-Dichloroet...		0.926	0.876	0.751	0.855	0.880	0.858	7.57
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.371	0.353	0.327	0.359	0.376	0.357	5.43
36) T	1,1-Dichloropr...	0.382	0.430	0.449	0.494	0.452	0.465	0.445	8.36
37) T	Ethyl Acetate	0.517	0.549	0.549	0.610	0.539	0.552	0.553	5.61
38) T	Carbon Tetrach...	0.439	0.466	0.491	0.558	0.520	0.528	0.500	8.69
39) T	Methylcyclohexane	0.544	0.556	0.564	0.656	0.574	0.576	0.578	6.91
40) TM	Benzene	1.211	1.369	1.457	1.494	1.388	1.402	1.387	7.04
41) T	Methacrylonitrile	0.219	0.278	0.292	0.329	0.291	0.289	0.283	12.67
42) TM	1,2-Dichloroet...	0.499	0.546	0.585	0.603	0.551	0.558	0.557	6.41
43) T	Isopropyl Acetate	0.745	0.840	0.893	0.976	0.894	0.928	0.880	9.07
44) TM	Trichloroethene	0.547	0.372	0.368	0.373	0.345	0.352	0.393	19.47
45) C	1,2-Dichloropr...	0.288	0.322	0.361	0.371	0.346	0.350	0.340	8.84#
46) T	Dibromomethane	0.239	0.240	0.280	0.293	0.276	0.284	0.269	8.58
47) T	Bromodichlorom...	0.349	0.425	0.501	0.544	0.528	0.545	0.482	16.40
48) T	Methyl methacr...	0.387	0.385	0.423	0.467	0.427	0.443	0.422	7.57
49) T	1,4-Dioxane	0.006	0.008	0.008	0.008	0.008	0.007	0.008	11.13
50) S	Toluene-d8		1.327	1.237	1.104	1.232	1.257	1.232	6.58
51) T	4-Methyl-2-Pen...	0.437	0.527	0.562	0.606	0.539	0.548	0.537	10.41
52) CM	Toluene	0.636	0.839	0.883	0.921	0.850	0.852	0.830	12.02#
53) T	t-1,3-Dichloro...	0.341	0.413	0.507	0.569	0.549	0.570	0.491	19.21
54) T	cis-1,3-Dichlo...	0.409	0.462	0.569	0.611	0.580	0.601	0.539	15.38
55) T	1,1,2-Trichlor...	0.287	0.340	0.375	0.370	0.340	0.345	0.343	9.13

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\										
Method File : 82X112124W.M										
56)	T	Ethyl methacry...	0.379	0.467	0.571	0.614	0.582	0.590	0.534	17.12
57)	T	1,3-Dichloropr...	0.480	0.574	0.620	0.625	0.579	0.585	0.577	9.04
58)	T	2-Chloroethyl ...	0.159	0.327	0.276	0.307	0.284	0.287	0.273	21.65
59)	T	2-Hexanone	0.297	0.393	0.431	0.471	0.410	0.419	0.403	14.49
60)	T	Dibromochlorom...	0.249	0.292	0.344	0.396	0.380	0.401	0.344	17.98
61)	T	1,2-Dibromoethane	0.258	0.339	0.373	0.385	0.358	0.367	0.346	13.33
62)	S	4-Bromofluorob...	0.401	0.414	0.387	0.438	0.455	0.419		6.61
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.304	0.342	0.336	0.349	0.315	0.332	0.330	5.14
65)	PM	Chlorobenzene	1.050	1.109	1.107	1.145	1.069	1.108	1.098	3.05
66)	T	1,1,1,2-Tetrac...	0.260	0.332	0.371	0.395	0.382	0.396	0.356	14.75
67)	C	Ethyl Benzene	1.579	1.831	1.910	2.024	1.884	1.938	1.861	8.19#
68)	T	m/p-Xylenes	0.610	0.663	0.704	0.762	0.700	0.725	0.694	7.57
69)	T	o-Xylene	0.543	0.665	0.691	0.757	0.693	0.716	0.678	10.75
70)	T	Styrene	0.859	1.025	1.174	1.263	1.186	1.217	1.121	13.47
71)	P	Bromoform	0.145	0.200	0.222	0.284	0.286	0.306	0.240	25.88
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.435	3.927	3.996	4.097	3.679	3.927	3.843	6.32
74)	T	N-amyl acetate	1.249	1.648	1.867	1.996	1.895	2.029	1.780	16.45
75)	P	1,1,2,2-Tetrac...	1.198	1.356	1.375	1.393	1.260	1.314	1.316	5.70
76)	T	1,2,3-Trichlor...	0.863	1.246	1.153	1.181	1.053	1.084	1.096	12.17
77)	T	Bromobenzene	0.794	0.958	0.955	0.975	0.883	0.936	0.917	7.40
78)	T	n-propylbenzene	3.667	4.115	4.469	4.733	4.286	4.486	4.293	8.63
79)	T	2-Chlorotoluene	2.487	2.766	2.868	2.857	2.581	2.726	2.714	5.62
80)	T	1,3,5-Trimethy...	2.704	3.115	3.352	3.444	3.118	3.238	3.162	8.19
81)	T	trans-1,4-Dich...	0.298	0.374	0.443	0.423	0.471	0.402		16.90
82)	T	4-Chlorotoluene	2.660	3.005	3.187	3.329	3.025	3.180	3.064	7.54
83)	T	tert-Butylbenzene	2.581	3.097	3.266	3.440	3.152	3.269	3.134	9.42
84)	T	1,2,4-Trimethy...	2.557	3.173	3.366	3.440	3.124	3.228	3.148	9.95
85)	T	sec-Butylbenzene	3.116	3.921	3.968	4.249	3.812	3.974	3.840	9.97
86)	T	p-Isopropyltol...	2.255	3.043	3.316	3.521	3.219	3.362	3.119	14.50
87)	T	1,3-Dichlorobe...	1.580	1.656	1.701	1.764	1.623	1.696	1.670	3.88
88)	T	1,4-Dichlorobe...	1.730	1.638	1.706	1.782	1.650	1.710	1.702	3.10
89)	T	n-Butylbenzene	1.897	2.580	2.805	3.184	2.909	3.126	2.750	17.18
90)	T	Hexachloroethane	0.450	0.443	0.496	0.588	0.581	0.625	0.530	14.64
91)	T	1,2-Dichlorobe...	1.506	1.733	1.723	1.768	1.642	1.740	1.685	5.79
92)	T	1,2-Dibromo-3-...	0.213	0.254	0.252	0.284	0.275	0.304	0.264	12.00
93)	T	1,2,4-Trichlor...	0.849	0.905	0.987	1.084	1.012	1.125	0.994	10.53
94)	T	Hexachlorobuta...	0.382	0.384	0.376	0.411	0.384	0.419	0.393	4.54
95)	T	Naphthalene	2.605	3.361	3.698	4.005	3.733	4.058	3.576	15.03
96)	T	1,2,3-Trichlor...	0.753	0.960	1.055	1.118	1.018	1.130	1.006	13.83

(#) = Out of Range

Bromoform

Response Ratio



$R = 1.533e-002 A^2 + 2.616e-001 A - 6.311e-003$
 Coef of Det (r^2) = 0.999408 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X112124W.M
 Calibration Table Last Updated: Fri Nov 22 03:45:52 2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043923.D
 Acq On : 20 Nov 2024 19:16
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 21 07:05:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 07:00:56 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/21/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	138810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	250758	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	102312	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123698	58.016	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.040%
35) Dibromofluoromethane	5.379	113	92258	54.792	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.580%
50) Toluene-d8	8.647	98	312682	55.587	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	111.180%
62) 4-Bromofluorobenzene	11.079	95	112440	60.492	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	120.980%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	87148	62.046	ug/l	98
3) Chloromethane	1.294	50	98071	55.867	ug/l	99
4) Vinyl Chloride	1.374	62	98663	55.940	ug/l	97
5) Bromomethane	1.593	94	55648	69.459	ug/l	100
6) Chloroethane	1.660	64	49530	58.791	ug/l	99
7) Trichlorofluoromethane	1.867	101	174189	69.274	ug/l	100
8) Diethyl Ether	2.136	74	61407	64.776	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	78888	53.013	ug/l	98
10) Methyl Iodide	2.441	142	108199	51.664	ug/l	95
11) Tert butyl alcohol	3.001	59	96228	283.818	ug/l	99
12) 1,1-Dichloroethene	2.306	96	77411	53.599	ug/l	87
13) Acrolein	2.239	56	103637	272.556	ug/l	99
14) Allyl chloride	2.654	41	136615	58.343	ug/l	89
15) Acrylonitrile	3.068	53	241080	276.221	ug/l	98
16) Acetone	2.392	43	227575	265.748	ug/l	93
17) Carbon Disulfide	2.502	76	170454	54.052	ug/l	99
18) Methyl Acetate	2.703	43	128026	54.593	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	308920	57.868	ug/l	99
20) Methylene Chloride	2.782	84	92077	51.368	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	87463	55.548	ug/l	97
22) Diisopropyl ether	3.763	45	296742	58.005	ug/l	96
23) Vinyl Acetate	3.721	43	1303089	314.256	ug/l	98
24) 1,1-Dichloroethane	3.605	63	169925	56.478	ug/l	100
25) 2-Butanone	4.562	43	345310	288.244	ug/l	97
26) 2,2-Dichloropropane	4.465	77	141245	57.127	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	106274	54.236	ug/l	96
28) Bromochloromethane	4.891	49	68700	54.265	ug/l	94
29) Tetrahydrofuran	5.007	42	220135	284.374	ug/l	97
30) Chloroform	5.086	83	178903	57.044	ug/l	100
31) Cyclohexane	5.458	56	128800	52.818	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	155630	58.048	ug/l	98
36) 1,1-Dichloropropene	5.684	75	112658	53.685	ug/l	99
37) Ethyl Acetate	4.715	43	139478	59.057	ug/l	97
38) Carbon Tetrachloride	5.666	117	124606	56.086	ug/l	98
39) Methylcyclohexane	7.373	83	138032	52.543	ug/l	97
40) Benzene	6.031	78	349857	53.028	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043923.D
 Acq On : 20 Nov 2024 19:16
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX112124

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 07:05:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 07:00:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	73757	59.928	ug/l	96
42) 1,2-Dichloroethane	6.080	62	141058	58.882	ug/l	97
43) Isopropyl Acetate	6.342	43	224533	60.266	ug/l	94
44) Trichloroethene	7.123	130	87313	48.004	ug/l	99
45) 1,2-Dichloropropane	7.427	63	87107	53.869	ug/l	100
46) Dibromomethane	7.580	93	69900	57.366	ug/l	95
47) Bromodichloromethane	7.818	83	125370	58.559	ug/l	97
48) Methyl methacrylate	7.696	41	105250	56.995	ug/l #	88
49) 1,4-Dioxane	7.665	88	45681m	1161.399	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	689501	296.806	ug/l	95
52) Toluene	8.714	92	217080	57.032	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	128331	59.078	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	139851	56.813	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	86975	58.565	ug/l	98
56) Ethyl methacrylate	9.116	69	141716	60.268	ug/l #	89
57) 1,3-Dichloropropane	9.305	76	146448	58.860	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	346010	280.598	ug/l	98
59) 2-Hexanone	9.433	43	513732	313.432	ug/l	94
60) Dibromochloromethane	9.519	129	90863	62.789	ug/l	99
61) 1,2-Dibromoethane	9.610	107	89087	57.509	ug/l	98
64) Tetrachloroethene	9.269	164	69945	51.529	ug/l	97
65) Chlorobenzene	10.079	112	230498	52.143	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	80691	54.848	ug/l	97
67) Ethyl Benzene	10.189	91	404866	54.424	ug/l	98
68) m/p-Xylenes	10.299	106	300638	108.500	ug/l	96
69) o-Xylene	10.640	106	149788	55.404	ug/l	99
70) Styrene	10.652	104	250564	56.236	ug/l	97
71) Bromoform	10.799	173	56733	49.198	ug/l #	97
73) Isopropylbenzene	10.963	105	387920	53.117	ug/l	99
74) N-amyl acetate	10.841	43	193137	51.587	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	134303	54.391	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	110813m	53.071	ug/l	
77) Bromobenzene	11.195	156	92179	51.501	ug/l	98
78) n-propylbenzene	11.305	91	441866	54.835	ug/l	98
79) 2-Chlorotoluene	11.366	91	277003	54.025	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	322601	53.291	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	39924	48.469	ug/l	93
82) 4-Chlorotoluene	11.451	91	313937	53.165	ug/l	98
83) tert-Butylbenzene	11.713	119	320262	51.719	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	327564	53.283	ug/l	98
85) sec-Butylbenzene	11.890	105	389571	52.682	ug/l	99
86) p-Isopropyltoluene	12.006	119	325801	52.472	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	168646	50.841	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	167075	49.126	ug/l	98
89) n-Butylbenzene	12.329	91	283194	53.527	ug/l	98
90) Hexachloroethane	12.536	117	55605	46.087	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	169920	48.926	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	27323	45.200	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	98885	48.719	ug/l	97
94) Hexachlorobutadiene	13.725	225	39642	47.658	ug/l	98
95) Naphthalene	13.774	128	381936	50.468	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	104145	49.248	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

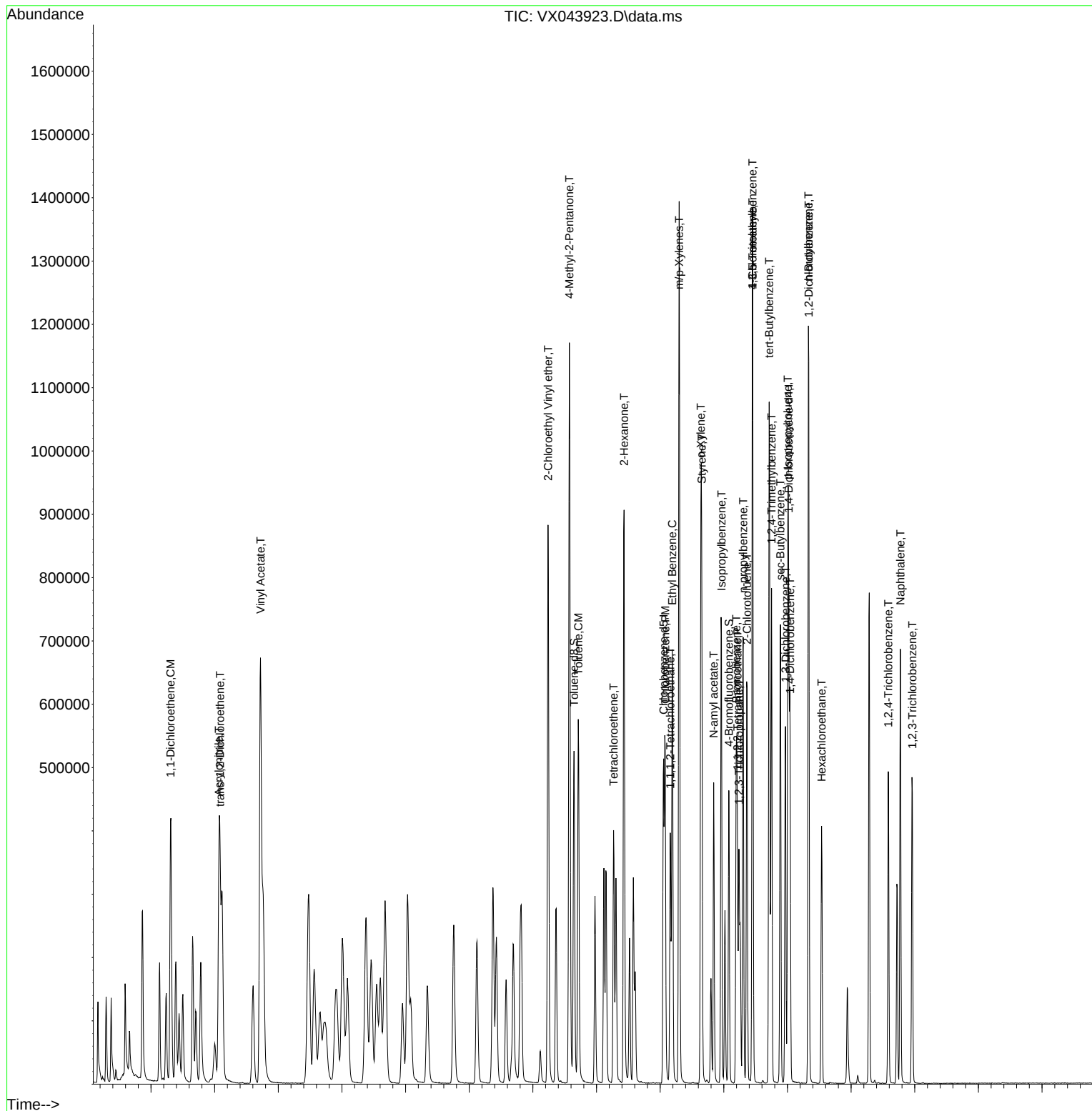
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043923.D
 Acq On : 20 Nov 2024 19:16
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 21 07:05:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 07:00:56 2024
 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	78	0.00
2 T	Dichlorodifluoromethane	0.611	0.628	-2.8	89	0.00
3 P	Chloromethane	0.660	0.707	-7.1	84	0.00
4 C	Vinyl Chloride	0.680	0.711	-4.6#	94	0.00
5 T	Bromomethane	0.408	0.401	1.7	102	0.00
6 T	Chloroethane	0.401	0.357	11.0	102	0.00
7 T	Trichlorofluoromethane	1.197	1.255	-4.8	105	0.00
8 T	Diethyl Ether	0.440	0.442	-0.5	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.584	0.568	2.7	83	0.00
10 T	Methyl Iodide	0.749	0.779	-4.0	78	0.00
11 T	Tert butyl alcohol	0.138	0.139	-0.7	93	0.00
12 CM	1,1-Dichloroethene	0.566	0.558	1.4#	80	0.00
13 T	Acrolein	0.145	0.149	-2.8	81	0.00
14 T	Allyl chloride	0.921	0.984	-6.8	83	0.00
15 T	Acrylonitrile	0.328	0.347	-5.8	83	0.00
16 T	Acetone	0.373	0.328	12.1	85	0.00
17 T	Carbon Disulfide	1.163	1.228	-5.6	84	0.00
18 T	Methyl Acetate	0.892	0.922	-3.4	86	0.00
19 T	Methyl tert-butyl Ether	2.047	2.225	-8.7	87	0.00
20 T	Methylene Chloride	0.662	0.663	-0.2	82	0.00
21 T	trans-1,2-Dichloroethene	0.586	0.630	-7.5	84	0.00
22 T	Diisopropyl ether	1.969	2.138	-8.6	87	0.00
23 T	Vinyl Acetate	1.666	1.878	-12.7	91	0.00
24 P	1,1-Dichloroethane	1.137	1.224	-7.7	86	0.00
25 T	2-Butanone	0.489	0.498	-1.8	86	0.00
26 T	2,2-Dichloropropane	1.009	1.018	-0.9	87	0.00
27 T	cis-1,2-Dichloroethene	0.723	0.766	-5.9	83	0.00
28 T	Bromochloromethane	0.512	0.495	3.3	84	0.00
29 T	Tetrahydrofuran	0.303	0.317	-4.6	86	0.00
30 C	Chloroform	1.221	1.289	-5.6#	87	0.00
31 T	Cyclohexane	0.922	0.928	-0.7	83	0.00
32 T	1,1,1-Trichloroethane	1.047	1.121	-7.1	87	0.00
33 S	1,2-Dichloroethane-d4	0.864	0.891	-3.1	89	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
35 S	Dibromofluoromethane	0.360	0.368	-2.2	82	0.00
36 T	1,1-Dichloropropene	0.431	0.449	-4.2	84	0.00
37 T	Ethyl Acetate	0.514	0.556	-8.2	90	0.00
38 T	Carbon Tetrachloride	0.480	0.497	-3.5	87	0.00
39 T	Methylcyclohexane	0.555	0.550	0.9	81	0.00
40 TM	Benzene	1.360	1.395	-2.6	80	0.00
41 T	Methacrylonitrile	0.274	0.294	-7.3	87	0.00
42 TM	1,2-Dichloroethane	0.536	0.563	-5.0	90	0.00
43 T	Isopropyl Acetate	0.840	0.895	-6.5	92	0.00
44 TM	Trichloroethene	0.385	0.348	9.6	82	0.00
45 C	1,2-Dichloropropane	0.331	0.347	-4.8#	82	0.00
46 T	Dibromomethane	0.260	0.279	-7.3	87	0.00
47 T	Bromodichloromethane	0.467	0.500	-7.1	84	0.00
48 T	Methyl methacrylate	0.388	0.420	-8.2	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043923.D
 Acq On : 20 Nov 2024 19:16
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 21 07:05:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 07:00:56 2024
 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	0.006	0.009	-50.0#	120	0.00
50 S	Toluene-d8	1.247	1.247	0.0	80	0.00
51 T	4-Methyl-2-Pentanone	0.515	0.550	-6.8	88	0.00
52 CM	Toluene	0.812	0.866	-6.7#	81	0.00
53 T	t-1,3-Dichloropropene	0.475	0.512	-7.8	83	0.00
54 T	cis-1,3-Dichloropropene	0.521	0.558	-7.1	84	0.00
55 T	1,1,2-Trichloroethane	0.335	0.347	-3.6	82	0.00
56 T	Ethyl methacrylate	0.519	0.565	-8.9	82	0.00
57 T	1,3-Dichloropropane	0.564	0.584	-3.5	81	0.00
58 T	2-Chloroethyl Vinyl ether	0.265	0.276	-4.2	82	0.00
59 T	2-Hexanone	0.384	0.410	-6.8	88	0.00
60 T	Dibromochloromethane	0.333	0.362	-8.7	84	0.00
61 T	1,2-Dibromoethane	0.337	0.355	-5.3	82	0.00
62 S	4-Bromofluorobenzene	0.426	0.448	-5.2	81	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	77	0.00
64 T	Tetrachloroethene	0.325	0.331	-1.8	79	0.00
65 PM	Chlorobenzene	1.085	1.089	-0.4	78	0.00
66 T	1,1,1,2-Tetrachloroethane	0.350	0.381	-8.9	81	0.00
67 C	Ethyl Benzene	1.828	1.913	-4.6#	80	0.00
68 T	m/p-Xylenes	0.682	0.710	-4.1	78	0.00
69 T	o-Xylene	0.665	0.708	-6.5	79	0.00
70 T	Styrene	1.104	1.184	-7.2	78	0.00
71 P	Bromoform	0.234	0.268	-14.5	83	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
73 T	Isopropylbenzene	3.765	3.792	-0.7	81	0.00
74 T	N-amyl acetate	1.717	1.888	-10.0	90	0.00
75 P	1,1,2,2-Tetrachloroethane	1.289	1.313	-1.9	82	0.00
76 T	1,2,3-Trichloropropane	1.069	1.083	-1.3	82	0.00
77 T	Bromobenzene	0.902	0.901	0.1	78	0.00
78 T	n-propylbenzene	4.192	4.319	-3.0	81	0.00
79 T	2-Chlorotoluene	2.665	2.707	-1.6	81	0.00
80 T	1,3,5-Trimethylbenzene	3.096	3.153	-1.8	80	0.00
81 T	trans-1,4-Dichloro-2-butene	0.388	0.390	-0.5	80	0.00
82 T	4-Chlorotoluene	3.000	3.068	-2.3	80	0.00
83 T	tert-Butylbenzene	3.073	3.130	-1.9	78	0.00
84 T	1,2,4-Trimethylbenzene	3.094	3.202	-3.5	79	0.00
85 T	sec-Butylbenzene	3.750	3.808	-1.5	79	0.00
86 T	p-Isopropyltoluene	3.057	3.184	-4.2	78	0.00
87 T	1,3-Dichlorobenzene	1.647	1.648	-0.1	78	0.00
88 T	1,4-Dichlorobenzene	1.648	1.633	0.9	78	0.00
89 T	n-Butylbenzene	2.657	2.768	-4.2	81	0.00
90 T	Hexachloroethane	0.515	0.543	-5.4	85	0.00
91 T	1,2-Dichlorobenzene	1.665	1.661	0.2	78	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.258	0.267	-3.5	83	0.00
93 T	1,2,4-Trichlorobenzene	0.976	0.967	0.9	76	0.00
94 T	Hexachlorobutadiene	0.386	0.387	-0.3	80	0.00
95 T	Naphthalene	3.532	3.733	-5.7	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.991	1.018	-2.7	76	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043923.D
 Acq On : 20 Nov 2024 19:16
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 21 07:05:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 07:00:56 2024
 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	78	0.00
2 T	Dichlorodifluoromethane	50.000	62.046	-24.1	89	0.00
3 P	Chloromethane	50.000	55.867	-11.7	84	0.00
4 C	Vinyl Chloride	50.000	55.940	-11.9#	94	0.00
5 T	Bromomethane	50.000	69.459	-38.9#	102	0.00
6 T	Chloroethane	50.000	58.791	-17.6	102	0.00
7 T	Trichlorofluoromethane	50.000	69.274	-38.5#	105	0.00
8 T	Diethyl Ether	50.000	64.776	-29.6#	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	53.013	-6.0	83	0.00
10 T	Methyl Iodide	50.000	51.664	-3.3	78	0.00
11 T	Tert butyl alcohol	250.000	283.818	-13.5	93	0.00
12 CM	1,1-Dichloroethene	50.000	53.599	-7.2#	80	0.00
13 T	Acrolein	250.000	272.556	-9.0	81	0.00
14 T	Allyl chloride	50.000	58.343	-16.7	83	0.00
15 T	Acrylonitrile	250.000	276.221	-10.5	83	0.00
16 T	Acetone	250.000	265.748	-6.3	85	0.00
17 T	Carbon Disulfide	50.000	54.052	-8.1	84	0.00
18 T	Methyl Acetate	50.000	54.593	-9.2	86	0.00
19 T	Methyl tert-butyl Ether	50.000	57.868	-15.7	87	0.00
20 T	Methylene Chloride	50.000	51.368	-2.7	82	0.00
21 T	trans-1,2-Dichloroethene	50.000	55.548	-11.1	84	0.00
22 T	Diisopropyl ether	50.000	58.005	-16.0	87	0.00
23 T	Vinyl Acetate	250.000	314.256	-25.7#	91	0.00
24 P	1,1-Dichloroethane	50.000	56.478	-13.0	86	0.00
25 T	2-Butanone	250.000	288.244	-15.3	86	0.00
26 T	2,2-Dichloropropane	50.000	57.127	-14.3	87	0.00
27 T	cis-1,2-Dichloroethene	50.000	54.236	-8.5	83	0.00
28 T	Bromochloromethane	50.000	54.265	-8.5	84	0.00
29 T	Tetrahydrofuran	250.000	284.374	-13.7	86	0.00
30 C	Chloroform	50.000	57.044	-14.1#	87	0.00
31 T	Cyclohexane	50.000	52.818	-5.6	83	0.00
32 T	1,1,1-Trichloroethane	50.000	58.048	-16.1	87	0.00
33 S	1,2-Dichloroethane-d4	50.000	58.016	-16.0	89	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	76	0.00
35 S	Dibromofluoromethane	50.000	54.792	-9.6	82	0.00
36 T	1,1-Dichloropropene	50.000	53.685	-7.4	84	0.00
37 T	Ethyl Acetate	50.000	59.057	-18.1	90	0.00
38 T	Carbon Tetrachloride	50.000	56.086	-12.2	87	0.00
39 T	Methylcyclohexane	50.000	52.543	-5.1	81	0.00
40 TM	Benzene	50.000	53.028	-6.1	80	0.00
41 T	Methacrylonitrile	50.000	59.928	-19.9	87	0.00
42 TM	1,2-Dichloroethane	50.000	58.882	-17.8	90	0.00
43 T	Isopropyl Acetate	50.000	60.266	-20.5	92	0.00
44 TM	Trichloroethene	50.000	48.004	4.0	82	0.00
45 C	1,2-Dichloropropane	50.000	53.869	-7.7#	82	0.00
46 T	Dibromomethane	50.000	57.366	-14.7	87	0.00
47 T	Bromodichloromethane	50.000	58.559	-17.1	84	0.00
48 T	Methyl methacrylate	50.000	56.995	-14.0	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043923.D
 Acq On : 20 Nov 2024 19:16
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX112124

Quant Time: Nov 21 07:05:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 07:00:56 2024
 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	1161.399	-16.1	120	0.00
50 S	Toluene-d8	50.000	55.587	-11.2	80	0.00
51 T	4-Methyl-2-Pentanone	250.000	296.806	-18.7	88	0.00
52 CM	Toluene	50.000	57.032	-14.1#	81	0.00
53 T	t-1,3-Dichloropropene	50.000	59.078	-18.2	83	0.00
54 T	cis-1,3-Dichloropropene	50.000	56.813	-13.6	84	0.00
55 T	1,1,2-Trichloroethane	50.000	58.565	-17.1	82	0.00
56 T	Ethyl methacrylate	50.000	60.268	-20.5	82	0.00
57 T	1,3-Dichloropropane	50.000	58.860	-17.7	81	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	280.598	-12.2	82	0.00
59 T	2-Hexanone	250.000	313.432	-25.4#	88	0.00
60 T	Dibromochloromethane	50.000	62.789	-25.6#	84	0.00
61 T	1,2-Dibromoethane	50.000	57.509	-15.0	82	0.00
62 S	4-Bromofluorobenzene	50.000	60.492	-21.0	81	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	77	0.00
64 T	Tetrachloroethene	50.000	51.529	-3.1	79	0.00
65 PM	Chlorobenzene	50.000	52.143	-4.3	78	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.848	-9.7	81	0.00
67 C	Ethyl Benzene	50.000	54.424	-8.8#	80	0.00
68 T	m/p-Xylenes	100.000	108.500	-8.5	78	0.00
69 T	o-Xylene	50.000	55.404	-10.8	79	0.00
70 T	Styrene	50.000	56.236	-12.5	78	0.00
71 P	Bromoform	50.000	49.198	1.6	83	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	77	0.00
73 T	Isopropylbenzene	50.000	53.117	-6.2	81	0.00
74 T	N-amyl acetate	50.000	51.587	-3.2	90	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	54.391	-8.8	82	0.00
76 T	1,2,3-Trichloropropane	50.000	53.071	-6.1	82	0.00
77 T	Bromobenzene	50.000	51.501	-3.0	78	0.00
78 T	n-propylbenzene	50.000	54.835	-9.7	81	0.00
79 T	2-Chlorotoluene	50.000	54.025	-8.0	81	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.291	-6.6	80	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	48.469	3.1	80	0.00
82 T	4-Chlorotoluene	50.000	53.165	-6.3	80	0.00
83 T	tert-Butylbenzene	50.000	51.719	-3.4	78	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.283	-6.6	79	0.00
85 T	sec-Butylbenzene	50.000	52.682	-5.4	79	0.00
86 T	p-Isopropyltoluene	50.000	52.472	-4.9	78	0.00
87 T	1,3-Dichlorobenzene	50.000	50.841	-1.7	78	0.00
88 T	1,4-Dichlorobenzene	50.000	49.126	1.7	78	0.00
89 T	n-Butylbenzene	50.000	53.527	-7.1	81	0.00
90 T	Hexachloroethane	50.000	46.087	7.8	85	0.00
91 T	1,2-Dichlorobenzene	50.000	48.926	2.1	78	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	45.200	9.6	83	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.719	2.6	76	0.00
94 T	Hexachlorobutadiene	50.000	47.658	4.7	80	0.00
95 T	Naphthalene	50.000	50.468	-0.9	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICV VX112124

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
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	49.248	1.5	76	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043925.D
 Acq On : 21 Nov 2024 09:47
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:27:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	148984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	260569	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92854	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	1.167	85	1889	1.001	ug/l	88
3) Chloromethane	1.295	50	1723	0.868	ug/l	90
4) Vinyl Chloride	1.374	62	2010	0.951	ug/l #	81
6) Chloroethane	1.666	64	1724	1.339	ug/l #	82
7) Trichlorofluoromethane	1.874	101	3093	0.819	ug/l	92
8) Diethyl Ether	2.136	74	1421	1.032	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.313	101	1764	0.979	ug/l	94
12) 1,1-Dichloroethene	2.300	96	1775	1.034	ug/l #	62
14) Allyl chloride	2.654	41	2371	0.845	ug/l	87
15) Acrylonitrile	3.063	53	4483	4.485	ug/l	95
16) Acetone	2.386	43	5977	5.093	ug/l #	86
17) Carbon Disulfide	2.502	76	3223	0.910	ug/l	99
18) Methyl Acetate	2.703	43	2775	1.015	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	5162	0.828	ug/l	94
20) Methylene Chloride	2.782	84	2099	1.054	ug/l #	73
21) trans-1,2-Dichloroethene	3.081	96	1624	0.916	ug/l	97
22) Diisopropyl ether	3.751	45	4882	0.814	ug/l #	30
23) Vinyl Acetate	3.727	43	18541	3.613	ug/l	98
24) 1,1-Dichloroethane	3.593	63	2919	0.844	ug/l #	94
25) 2-Butanone	4.581	43	6676	4.408	ug/l	92
26) 2,2-Dichloropropane	4.459	77	2687	0.860	ug/l	86
27) cis-1,2-Dichloroethene	4.495	96	2007	0.916	ug/l	89
28) Bromochloromethane	4.904	49	1494m	0.981	ug/l	
29) Tetrahydrofuran	5.013	42	4264	4.593	ug/l	95
30) Chloroform	5.093	83	3187	0.856	ug/l #	76
32) 1,1,1-Trichloroethane	5.373	97	2600	0.810	ug/l #	46
36) 1,1-Dichloropropene	5.690	75	1993	0.859	ug/l #	80
37) Ethyl Acetate	4.733	43	2692m	0.935	ug/l	
38) Carbon Tetrachloride	5.660	117	2287	0.877	ug/l #	78
39) Methylcyclohexane	7.379	83	2835	0.941	ug/l	90
40) Benzene	6.032	78	6312	0.873	ug/l #	84
41) Methacrylonitrile	4.934	41	1141m	0.774	ug/l	
42) 1,2-Dichloroethane	6.086	62	2602	0.896	ug/l	84
43) Isopropyl Acetate	6.355	43	3881	0.847	ug/l #	90
44) Trichloroethene	7.123	130	2850	1.393	ug/l	82
45) 1,2-Dichloropropane	7.428	63	1503	0.849	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043925.D
 Acq On : 21 Nov 2024 09:47
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:27:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.580	93	1246	0.890	ug/l	94
47) Bromodichloromethane	7.824	83	1819	0.724	ug/l #	93
48) Methyl methacrylate	7.702	41	2017m	0.917	ug/l	
49) 1,4-Dioxane	7.671	88	613	16.166	ug/l #	50
51) 4-Methyl-2-Pentanone	8.574	43	11392	4.073	ug/l	96
52) Toluene	8.714	92	3313	0.766	ug/l	82
53) t-1,3-Dichloropropene	8.988	75	1776	0.694	ug/l #	86
54) cis-1,3-Dichloropropene	8.366	75	2132	0.759	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	1496	0.838	ug/l #	85
56) Ethyl methacrylate	9.122	69	1973	0.709	ug/l #	82
57) 1,3-Dichloropropane	9.305	76	2502	0.832	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	4135	2.662	ug/l	93
59) 2-Hexanone	9.439	43	7726	3.675	ug/l	99
60) Dibromochloromethane	9.519	129	1296	0.723	ug/l	93
61) 1,2-Dibromoethane	9.610	107	1342	0.743	ug/l #	80
64) Tetrachloroethene	9.269	164	1329	0.924	ug/l	88
65) Chlorobenzene	10.073	112	4585	0.957	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	10.165	131	1136	0.731	ug/l #	66
67) Ethyl Benzene	10.195	91	6890	0.848	ug/l #	86
68) m/p-Xylenes	10.305	106	5324	1.758	ug/l	95
69) o-Xylene	10.640	106	2370	0.801	ug/l	95
70) Styrene	10.665	104	3751	0.767	ug/l	97
71) Bromoform	10.799	173	632	1.756	ug/l #	87
73) Isopropylbenzene	10.964	105	6379	0.894	ug/l	94
74) N-amyl acetate	10.848	43	2319	0.701	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	2224	0.910	ug/l	83
76) 1,2,3-Trichloropropane	11.244	75	1603m	0.801	ug/l	
77) Bromobenzene	11.201	156	1475	0.866	ug/l	94
78) n-propylbenzene	11.305	91	6810	0.854	ug/l	95
79) 2-Chlorotoluene	11.366	91	4618	0.916	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	5022	0.855	ug/l	96
82) 4-Chlorotoluene	11.457	91	4940	0.868	ug/l	94
83) tert-Butylbenzene	11.713	119	4794	0.824	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	4748	0.812	ug/l	99
85) sec-Butylbenzene	11.890	105	5787	0.812	ug/l	94
86) p-Isopropyltoluene	12.012	119	4187	0.723	ug/l	87
87) 1,3-Dichlorobenzene	11.969	146	2934	0.946	ug/l	93
88) 1,4-Dichlorobenzene	12.043	146	3212m	1.020	ug/l	
89) n-Butylbenzene	12.335	91	3522	0.690	ug/l	93
90) Hexachloroethane	12.536	117	835	0.848	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	2796	0.893	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.957	75	395	0.807	ug/l	65
93) 1,2,4-Trichlorobenzene	13.597	180	1576	0.854	ug/l	78
94) Hexachlorobutadiene	13.725	225	709	0.972	ug/l	89
95) Naphthalene	13.780	128	4837	0.728	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1398	0.749	ug/l	81

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

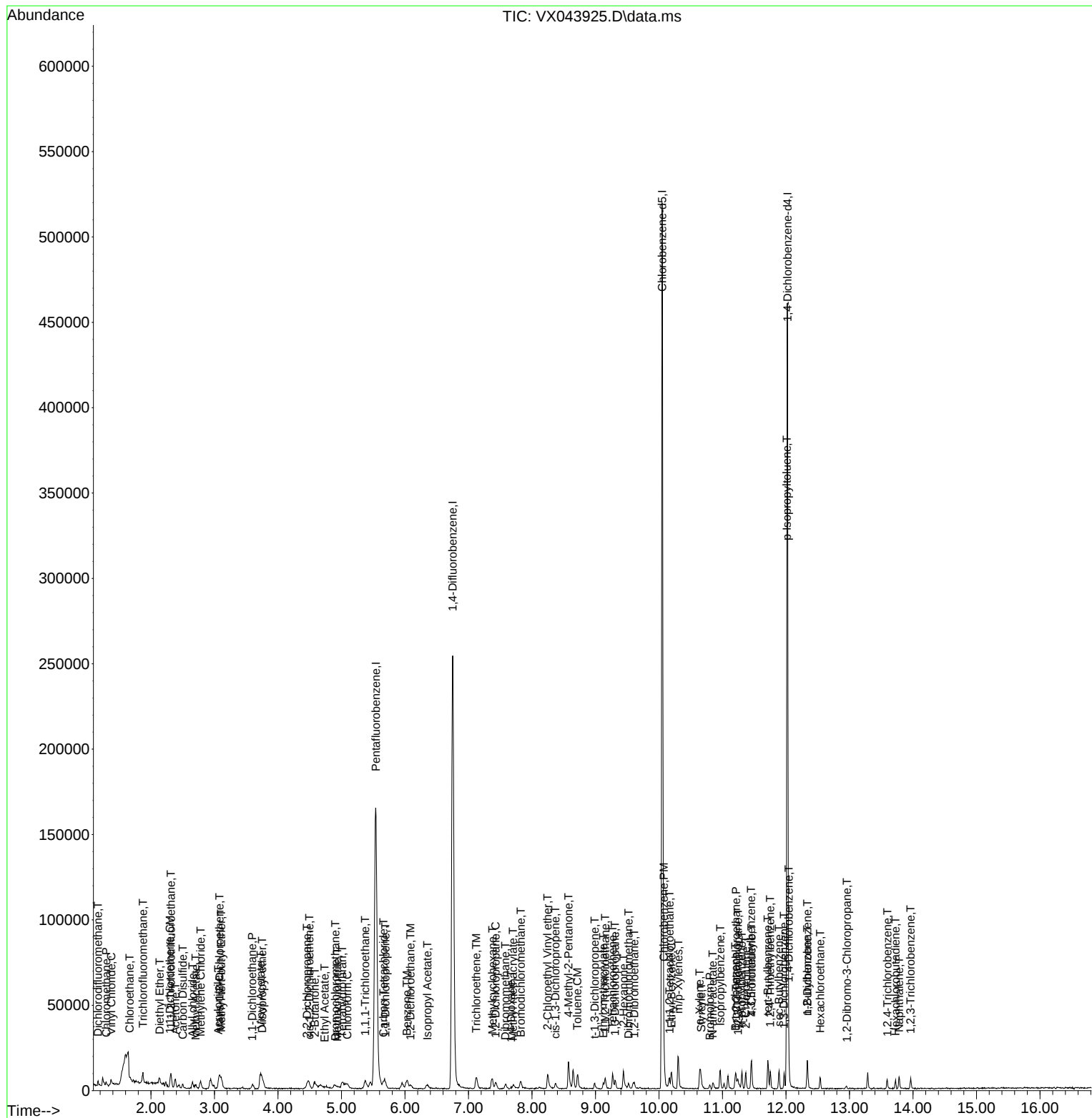
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043926.D
 Acq On : 21 Nov 2024 10:14
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	150793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	13961	5.398	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.800%#		
35) Dibromofluoromethane	5.379	113	9842	5.198	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.400%#		
50) Toluene-d8	8.646	98	35173	5.389	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.780%#		
62) 4-Bromofluorobenzene	11.079	95	10618	4.780	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.560%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	9545	4.997	ug/l	87
3) Chloromethane	1.294	50	9980	4.965	ug/l	98
4) Vinyl Chloride	1.373	62	10682	4.996	ug/l	100
5) Bromomethane	1.593	94	6415	4.877	ug/l	90
6) Chloroethane	1.666	64	6474	4.969	ug/l	99
7) Trichlorofluoromethane	1.867	101	19099	4.996	ug/l	91
8) Diethyl Ether	2.129	74	6480	4.651	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.318	101	8824	4.839	ug/l	98
10) Methyl Iodide	2.440	142	9897	4.346	ug/l	98
11) Tert butyl alcohol	2.995	59	9278m	22.349	ug/l	
12) 1,1-Dichloroethene	2.306	96	7987	4.597	ug/l	87
13) Acrolein	2.239	56	11940	27.287	ug/l	97
14) Allyl chloride	2.654	41	12874	4.534	ug/l	96
15) Acrylonitrile	3.062	53	24290	24.010	ug/l	99
16) Acetone	2.385	43	29886	25.159	ug/l	95
17) Carbon Disulfide	2.495	76	14415	4.022	ug/l #	94
18) Methyl Acetate	2.702	43	13127	4.745	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	30022	4.759	ug/l #	88
20) Methylene Chloride	2.782	84	9895	4.909	ug/l	95
21) trans-1,2-Dichloroethene	3.080	96	8486	4.730	ug/l #	80
22) Diisopropyl ether	3.757	45	29102	4.794	ug/l #	65
23) Vinyl Acetate	3.721	43	116242	22.382	ug/l	100
24) 1,1-Dichloroethane	3.599	63	16857	4.813	ug/l	98
25) 2-Butanone	4.568	43	36680	23.931	ug/l	96
26) 2,2-Dichloropropane	4.458	77	15040	4.755	ug/l #	76
27) cis-1,2-Dichloroethene	4.477	96	10153	4.579	ug/l	96
28) Bromochloromethane	4.891	49	9210	5.974	ug/l	100
29) Tetrahydrofuran	5.007	42	23518	25.028	ug/l	96
30) Chloroform	5.086	83	18661	4.954	ug/l	97
31) Cyclohexane	5.458	56	13740	4.767	ug/l #	85
32) 1,1,1-Trichloroethane	5.379	97	15162	4.667	ug/l	96
36) 1,1-Dichloropropene	5.690	75	11406	4.834	ug/l	97
37) Ethyl Acetate	4.720	43	14551m	4.968	ug/l	
38) Carbon Tetrachloride	5.665	117	12348	4.658	ug/l	97
39) Methylcyclohexane	7.372	83	14721	4.803	ug/l	95
40) Benzene	6.031	78	36283	4.937	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043926.D
 Acq On : 21 Nov 2024 10:14
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	7355	4.907	ug/l #	95
42) 1,2-Dichloroethane	6.080	62	14467	4.901	ug/l	99
43) Isopropyl Acetate	6.348	43	22267	4.777	ug/l	99
44) Trichloroethene	7.128	130	9852	4.736	ug/l	92
45) 1,2-Dichloropropane	7.427	63	8525	4.736	ug/l	91
46) Dibromomethane	7.586	93	6372	4.475	ug/l	93
47) Bromodichloromethane	7.823	83	11249	4.405	ug/l	96
48) Methyl methacrylate	7.695	41	10190	4.556	ug/l	95
49) 1,4-Dioxane	7.677	88	4090m	106.070	ug/l	
51) 4-Methyl-2-Pentanone	8.573	43	69843	24.556	ug/l	97
52) Toluene	8.714	92	22218	5.051	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	10937	4.200	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	12253	4.292	ug/l	94
55) 1,1,2-Trichloroethane	9.152	97	9000	4.957	ug/l	94
56) Ethyl methacrylate	9.116	69	12381	4.378	ug/l	96
57) 1,3-Dichloropropane	9.311	76	15211	4.973	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	43351	27.673	ug/l	100
59) 2-Hexanone	9.433	43	52072	24.357	ug/l	100
60) Dibromochloromethane	9.518	129	7738	4.247	ug/l	99
61) 1,2-Dibromoethane	9.610	107	8985	4.894	ug/l	98
64) Tetrachloroethene	9.274	164	7642	5.185	ug/l	93
65) Chlorobenzene	10.079	112	24792	5.050	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	7421	4.661	ug/l	96
67) Ethyl Benzene	10.195	91	40927	4.920	ug/l	95
68) m/p-Xylenes	10.305	106	29635	9.553	ug/l	99
69) o-Xylene	10.640	106	14856	4.905	ug/l	98
70) Styrene	10.658	104	22907	4.573	ug/l	97
71) Bromoform	10.799	173	4476	5.004	ug/l #	99
73) Isopropylbenzene	10.957	105	37958	5.109	ug/l	99
74) N-amyl acetate	10.841	43	15928	4.627	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	13107	5.152	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	12040m	5.776	ug/l	
77) Bromobenzene	11.195	156	9259	5.224	ug/l	97
78) n-propylbenzene	11.305	91	39774	4.793	ug/l	98
79) 2-Chlorotoluene	11.366	91	26740	5.096	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	30114	4.926	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	2880	3.707	ug/l #	77
82) 4-Chlorotoluene	11.451	91	29049	4.903	ug/l	96
83) tert-Butylbenzene	11.713	119	29934	4.940	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	30674	5.040	ug/l	97
85) sec-Butylbenzene	11.890	105	37899	5.105	ug/l	96
86) p-Isopropyltoluene	12.006	119	29412	4.878	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	16008	4.959	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	15837	4.831	ug/l	89
89) n-Butylbenzene	12.335	91	24938	4.691	ug/l	99
90) Hexachloroethane	12.536	117	4279	4.173	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	16747	5.140	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2454	4.814	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	8746	4.553	ug/l	98
94) Hexachlorobutadiene	13.725	225	3713	4.891	ug/l	97
95) Naphthalene	13.774	128	32485	4.698	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	9280	4.773	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

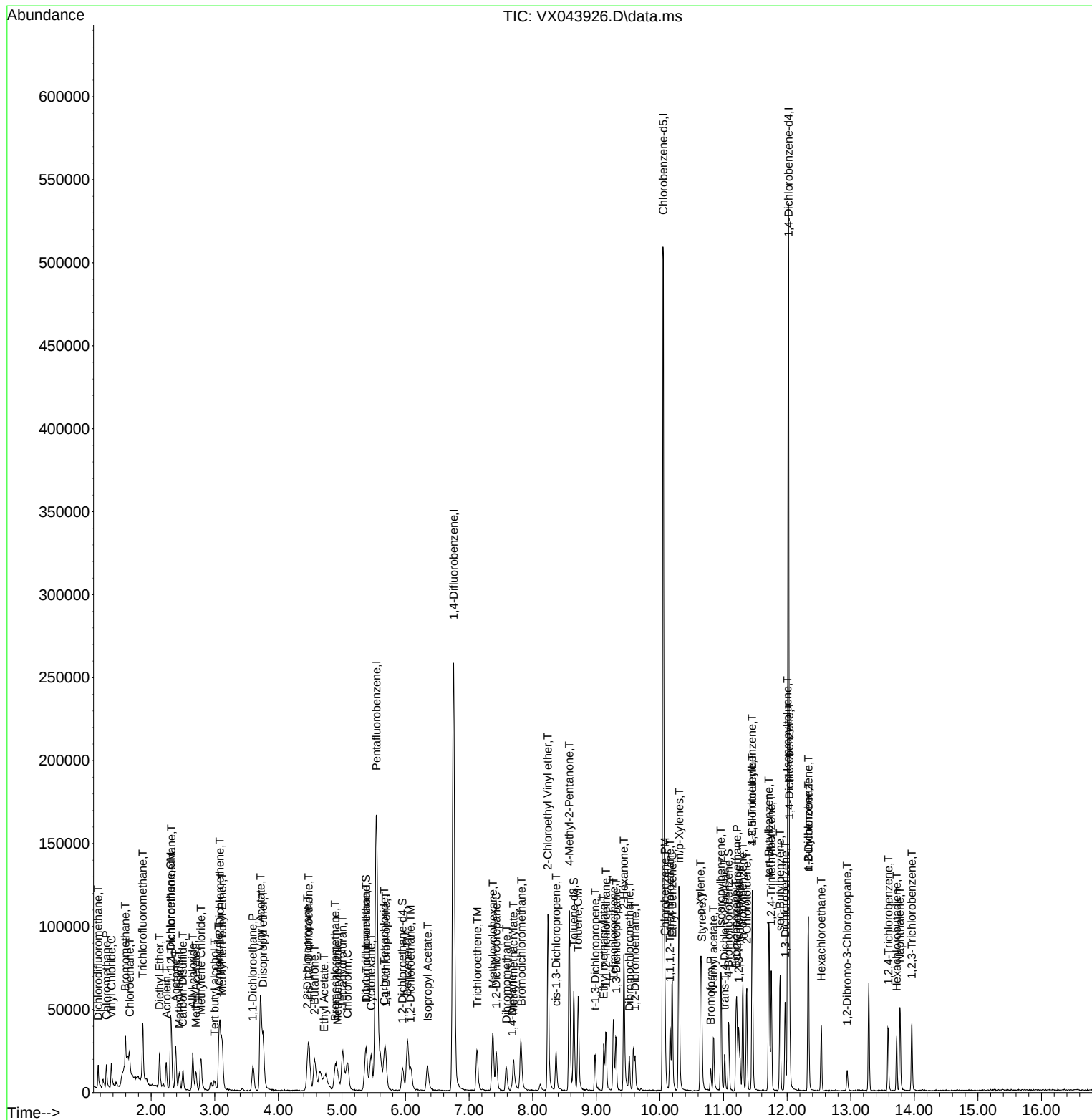
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Data File : VX043926.D
Acq On    : 21 Nov 2024  10:14
Operator  : JC/MD
Sample    : VSTDIC005
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 13   Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043927.D
 Acq On : 21 Nov 2024 10:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 21 11:27:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	137617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	247844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98477	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	48239	22.821	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	45.640%#
35) Dibromofluoromethane	5.385	113	35015	21.040	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	42.080%#
50) Toluene-d8	8.647	98	122646	22.060	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	44.120%#
62) 4-Bromofluorobenzene	11.079	95	41087	22.365	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	44.720%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	35268	25.327	ug/l	98
3) Chloromethane	1.295	50	39622	22.767	ug/l	93
4) Vinyl Chloride	1.374	62	40173	22.975	ug/l	95
5) Bromomethane	1.593	94	24112	30.357	ug/l	98
6) Chloroethane	1.666	64	22213	26.595	ug/l	97
7) Trichlorofluoromethane	1.868	101	73464	29.469	ug/l	99
8) Diethyl Ether	2.136	74	25875	27.531	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	33284	22.561	ug/l	96
10) Methyl Iodide	2.441	142	43047	20.733	ug/l	94
11) Tert butyl alcohol	3.002	59	36554	108.748	ug/l	100
12) 1,1-Dichloroethene	2.307	96	32180	22.474	ug/l	96
13) Acrolein	2.240	56	35249	93.505	ug/l	99
14) Allyl chloride	2.660	41	53053	22.853	ug/l #	88
15) Acrylonitrile	3.069	53	94417	109.118	ug/l	99
16) Acetone	2.386	43	110373	130.004	ug/l	89
17) Carbon Disulfide	2.502	76	59349	18.983	ug/l	98
18) Methyl Acetate	2.709	43	50136	21.564	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	121776	23.009	ug/l	100
20) Methylene Chloride	2.788	84	37633	21.177	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	33545	21.489	ug/l	100
22) Diisopropyl ether	3.764	45	119475	23.557	ug/l	91
23) Vinyl Acetate	3.721	43	504408	122.699	ug/l	98
24) 1,1-Dichloroethane	3.599	63	67233	22.540	ug/l	99
25) 2-Butanone	4.568	43	148152	124.741	ug/l	97
26) 2,2-Dichloropropane	4.471	77	58444	23.843	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	41866	21.551	ug/l	94
28) Bromochloromethane	4.891	49	26507	21.119	ug/l	90
29) Tetrahydrofuran	5.013	42	87736	114.321	ug/l	98
30) Chloroform	5.087	83	72049	23.172	ug/l	97
31) Cyclohexane	5.458	56	53731	22.225	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62394	23.474	ug/l	98
36) 1,1-Dichloropropene	5.684	75	44465	21.438	ug/l	99
37) Ethyl Acetate	4.715	43	54426	23.316	ug/l	97
38) Carbon Tetrachloride	5.672	117	48701	22.179	ug/l	99
39) Methylcyclohexane	7.379	83	55958	21.551	ug/l	99
40) Benzene	6.025	78	144401	22.144	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043927.D
 Acq On : 21 Nov 2024 10:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 11:27:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	28938	23.789	ug/l	95
42) 1,2-Dichloroethane	6.086	62	57981	24.487	ug/l	98
43) Isopropyl Acetate	6.349	43	88577	24.054	ug/l	94
44) Trichloroethene	7.117	130	36440	20.270	ug/l	95
45) 1,2-Dichloropropane	7.428	63	35791	22.394	ug/l	97
46) Dibromomethane	7.580	93	27799	23.082	ug/l	96
47) Bromodichloromethane	7.818	83	49665	23.471	ug/l #	94
48) Methyl methacrylate	7.690	41	41962	22.991	ug/l #	87
49) 1,4-Dioxane	7.665	88	12071	310.503	ug/l #	62
51) 4-Methyl-2-Pentanone	8.574	43	278479	121.285	ug/l	95
52) Toluene	8.714	92	87569	23.277	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	50294	23.425	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	56407	23.184	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	37148	25.308	ug/l	96
56) Ethyl methacrylate	9.116	69	56585	24.347	ug/l #	88
57) 1,3-Dichloropropane	9.305	76	61420	24.976	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	136842	112.277	ug/l	96
59) 2-Hexanone	9.433	43	213629	131.869	ug/l	93
60) Dibromochloromethane	9.519	129	34133	23.864	ug/l	100
61) 1,2-Dibromoethane	9.610	107	36985	24.156	ug/l	99
64) Tetrachloroethene	9.269	164	29274	20.948	ug/l	98
65) Chlorobenzene	10.080	112	96469	21.197	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	32353	21.360	ug/l	98
67) Ethyl Benzene	10.189	91	166435	21.731	ug/l	98
68) m/p-Xylenes	10.299	106	122658	42.997	ug/l	95
69) o-Xylene	10.640	106	60254	21.648	ug/l	94
70) Styrene	10.653	104	102329	22.308	ug/l	97
71) Bromoform	10.799	173	19329	19.555	ug/l #	97
73) Isopropylbenzene	10.964	105	157405	22.393	ug/l	99
74) N-amyl acetate	10.842	43	73525	23.459	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	54158	22.787	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	45423m	22.601	ug/l	
77) Bromobenzene	11.195	156	37631	21.843	ug/l	97
78) n-propylbenzene	11.305	91	176034	22.696	ug/l	98
79) 2-Chlorotoluene	11.360	91	112986	22.894	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	132041	22.662	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	14743	20.654	ug/l	88
82) 4-Chlorotoluene	11.451	91	125521	22.085	ug/l	99
83) tert-Butylbenzene	11.713	119	128636	21.582	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	132595	22.408	ug/l	99
85) sec-Butylbenzene	11.890	105	156312	21.962	ug/l	98
86) p-Isopropyltoluene	12.006	119	130605	21.854	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	67003	20.986	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	67195	20.527	ug/l	98
89) n-Butylbenzene	12.329	91	110491	21.698	ug/l	98
90) Hexachloroethane	12.536	117	19547	19.432	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	67852	20.298	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9939	20.259	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	38866	19.894	ug/l	100
94) Hexachlorobutadiene	13.725	225	14818	18.508	ug/l	91
95) Naphthalene	13.774	128	145678	19.999	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	41554	20.415	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

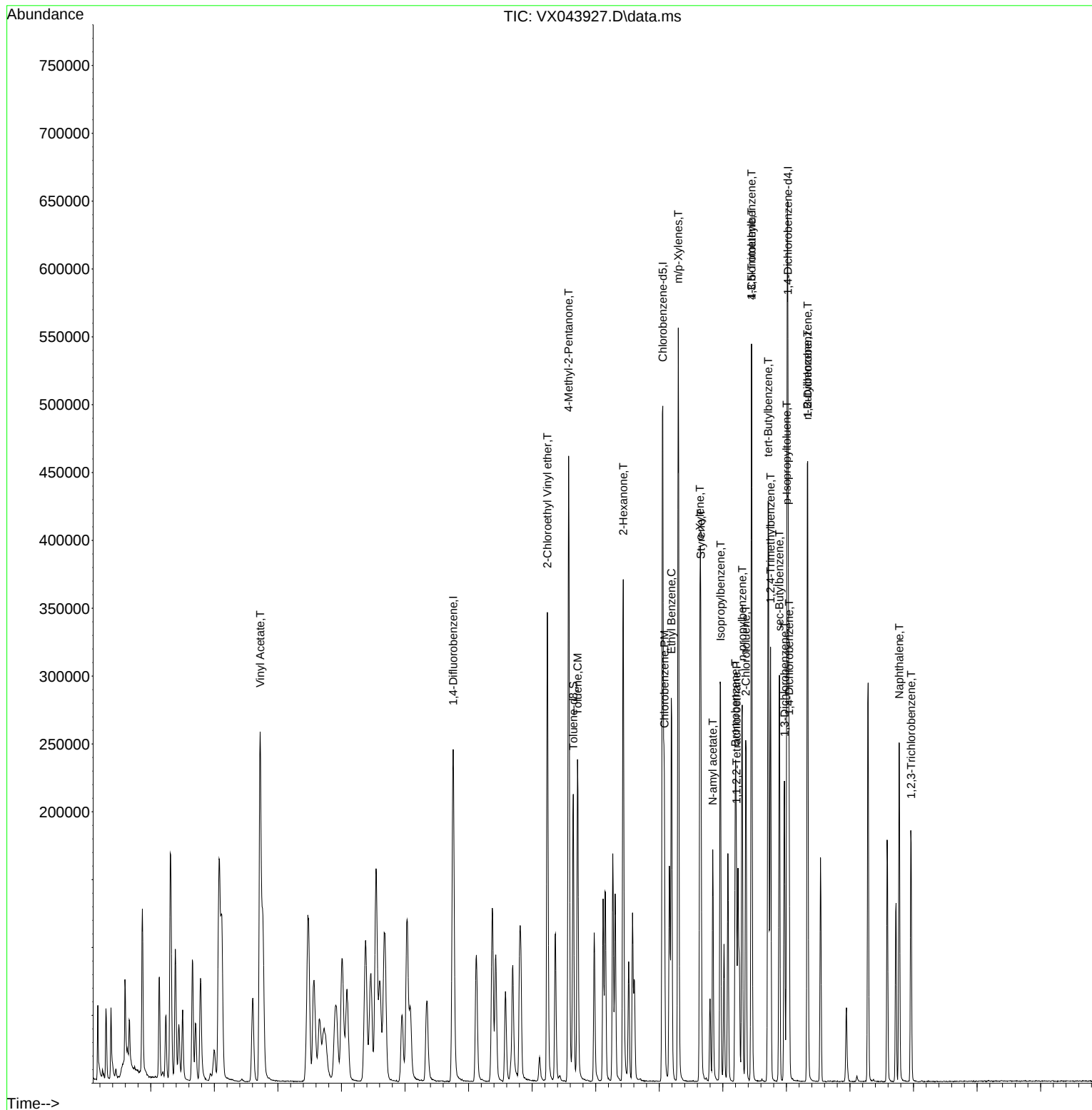
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Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043928.D
 Acq On : 21 Nov 2024 11:17
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 21 12:14:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	138578	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	241629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	212243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100316	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	104086	48.899	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.800%
35) Dibromofluoromethane	5.379	113	78954	48.663	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.320%
50) Toluene-d8	8.641	98	266650	49.194	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.380%
62) 4-Bromofluorobenzene	11.079	95	93510	52.209	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.420%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	94790	67.600	ug/l	98
3) Chloromethane	1.295	50	96646	55.148	ug/l	100
4) Vinyl Chloride	1.374	62	105586	59.966	ug/l	100
5) Bromomethane	1.593	94	61728	77.177	ug/l	97
6) Chloroethane	1.660	64	63580	75.594	ug/l	98
7) Trichlorofluoromethane	1.868	101	188045	74.909	ug/l	100
8) Diethyl Ether	2.130	74	65665	69.383	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	91167	61.367	ug/l	97
10) Methyl Iodide	2.441	142	112083	53.608	ug/l	95
11) Tert butyl alcohol	2.995	59	100130	295.821	ug/l	99
12) 1,1-Dichloroethene	2.307	96	83087	57.625	ug/l	92
13) Acrolein	2.233	56	100647	265.136	ug/l	97
14) Allyl chloride	2.654	41	144663	61.883	ug/l	91
15) Acrylonitrile	3.063	53	256493	294.373	ug/l	98
16) Acetone	2.380	43	294611	344.605	ug/l	93
17) Carbon Disulfide	2.502	76	178294	56.633	ug/l	99
18) Methyl Acetate	2.703	43	136735	58.404	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	313754	58.872	ug/l	98
20) Methylene Chloride	2.782	84	92475	51.676	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	87752	55.825	ug/l	95
22) Diisopropyl ether	3.758	45	299631	58.668	ug/l	94
23) Vinyl Acetate	3.715	43	1344870	324.875	ug/l	97
24) 1,1-Dichloroethane	3.599	63	174008	57.932	ug/l	99
25) 2-Butanone	4.556	43	392575	328.247	ug/l	97
26) 2,2-Dichloropropane	4.465	77	158151	64.072	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	109742	56.100	ug/l	94
28) Bromochloromethane	4.885	49	62386	49.360	ug/l	88
29) Tetrahydrofuran	5.001	42	234208	303.060	ug/l	97
30) Chloroform	5.080	83	182404	58.257	ug/l	94
31) Cyclohexane	5.458	56	144224	59.242	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	164023	61.280	ug/l	98
36) 1,1-Dichloropropene	5.678	75	119269	58.983	ug/l	99
37) Ethyl Acetate	4.709	43	147393	64.767	ug/l	98
38) Carbon Tetrachloride	5.666	117	134725	62.932	ug/l	97
39) Methylcyclohexane	7.373	83	158586	62.647	ug/l	95
40) Benzene	6.025	78	360978	56.780	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043928.D
 Acq On : 21 Nov 2024 11:17
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:14:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	79507	67.041	ug/l	96
42) 1,2-Dichloroethane	6.074	62	145681	63.109	ug/l	97
43) Isopropyl Acetate	6.336	43	235856	65.697	ug/l	94
44) Trichloroethene	7.117	130	90015	51.360	ug/l	91
45) 1,2-Dichloropropane	7.422	63	89529	57.459	ug/l	98
46) Dibromomethane	7.574	93	70679	60.196	ug/l	96
47) Bromodichloromethane	7.818	83	131365	63.678	ug/l	97
48) Methyl methacrylate	7.690	41	112803	63.393	ug/l #	88
49) 1,4-Dioxane	7.659	88	33402	881.301	ug/l #	73
51) 4-Methyl-2-Pentanone	8.574	43	732582	327.265	ug/l	95
52) Toluene	8.714	92	222500	60.664	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	137451	65.667	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	147638	62.243	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	89441	62.501	ug/l	97
56) Ethyl methacrylate	9.116	69	148281	65.443	ug/l #	88
57) 1,3-Dichloropropane	9.305	76	151124	63.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	371281	312.467	ug/l	98
59) 2-Hexanone	9.427	43	568460	359.925	ug/l	93
60) Dibromochloromethane	9.519	129	95641	68.588	ug/l	99
61) 1,2-Dibromoethane	9.604	107	92940	62.263	ug/l	99
64) Tetrachloroethene	9.269	164	74157	54.472	ug/l	99
65) Chlorobenzene	10.080	112	243080	54.828	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	83934	56.885	ug/l	98
67) Ethyl Benzene	10.189	91	429559	57.573	ug/l	97
68) m/p-Xylenes	10.299	106	323661	116.466	ug/l	96
69) o-Xylene	10.640	106	160643	59.245	ug/l	99
70) Styrene	10.653	104	268004	59.974	ug/l	98
71) Bromoform	10.799	173	60267	62.587	ug/l #	98
73) Isopropylbenzene	10.957	105	411000	57.397	ug/l	99
74) N-amyl acetate	10.842	43	200195	62.704	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.214	83	139756	57.726	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	118450m	57.858	ug/l	
77) Bromobenzene	11.195	156	97761	55.706	ug/l	97
78) n-propylbenzene	11.299	91	474802	60.094	ug/l	100
79) 2-Chlorotoluene	11.360	91	286649	57.018	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	345531	58.215	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	44450	61.129	ug/l	96
82) 4-Chlorotoluene	11.451	91	333946	57.679	ug/l	100
83) tert-Butylbenzene	11.713	119	345112	56.841	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	345112	57.254	ug/l	99
85) sec-Butylbenzene	11.890	105	426284	58.794	ug/l	99
86) p-Isopropyltoluene	12.006	119	353256	58.026	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	176936	54.401	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	178728	53.598	ug/l	98
89) n-Butylbenzene	12.329	91	319448	61.581	ug/l	99
90) Hexachloroethane	12.536	117	59010	57.586	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	177334	52.077	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	28467	56.961	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	108749	54.645	ug/l	98
94) Hexachlorobutadiene	13.725	225	41267	50.599	ug/l	95
95) Naphthalene	13.774	128	401752	54.142	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	112162	54.094	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

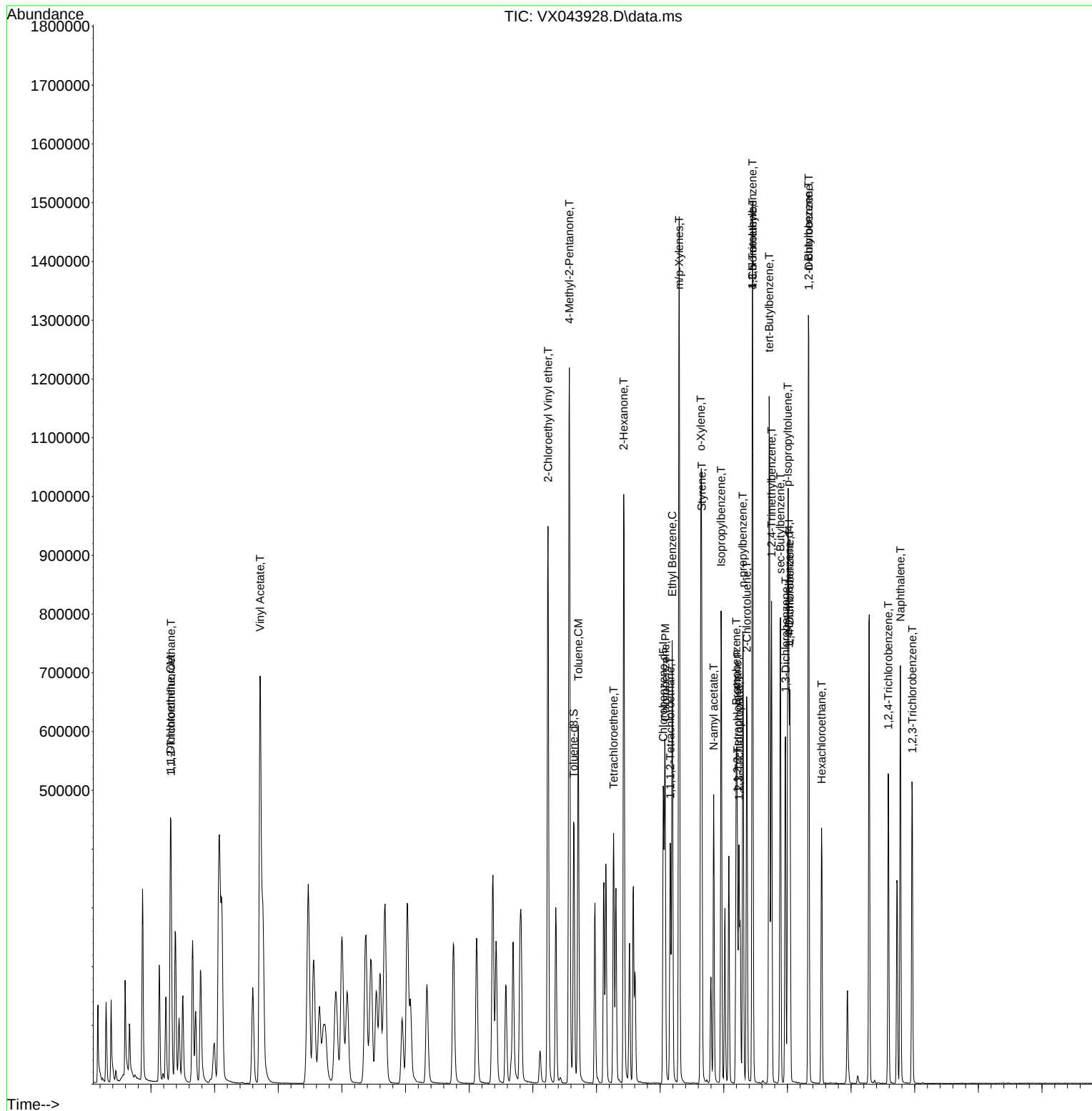
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Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043929.D
 Acq On : 21 Nov 2024 11:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 21 12:15:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	138314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	246419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104048	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	236531	111.333	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 222.660%#	
35) Dibromofluoromethane	5.379	113	176869	106.893	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 213.780%#	
50) Toluene-d8	8.647	98	607337	109.870	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 219.740%#	
62) 4-Bromofluorobenzene	11.079	95	215953	118.228	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 236.460%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	166145	118.713	ug/l	97
3) Chloromethane	1.295	50	183899	105.136	ug/l	100
4) Vinyl Chloride	1.374	62	192221	109.377	ug/l	98
5) Bromomethane	1.593	94	118792	148.807	ug/l	99
6) Chloroethane	1.660	64	101816	121.286	ug/l	98
7) Trichlorofluoromethane	1.868	101	354375	141.438	ug/l	100
8) Diethyl Ether	2.136	74	125840	133.219	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	162988	109.922	ug/l	96
10) Methyl Iodide	2.441	142	213858	102.481	ug/l	96
11) Tert butyl alcohol	3.002	59	184757	546.882	ug/l	100
12) 1,1-Dichloroethene	2.307	96	158111	109.868	ug/l	89
13) Acrolein	2.240	56	200929	530.320	ug/l	99
14) Allyl chloride	2.654	41	276068	118.320	ug/l	90
15) Acrylonitrile	3.069	53	458624	527.361	ug/l	97
16) Acetone	2.386	43	511112	598.985	ug/l	92
17) Carbon Disulfide	2.502	76	367958	117.100	ug/l	99
18) Methyl Acetate	2.703	43	247225	105.800	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	597600	112.347	ug/l	99
20) Methylene Chloride	2.782	84	178008	99.663	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	165989	105.798	ug/l	98
22) Diisopropyl ether	3.764	45	572855	112.380	ug/l	97
23) Vinyl Acetate	3.721	43	2570419	622.111	ug/l	97
24) 1,1-Dichloroethane	3.605	63	327756	109.327	ug/l	99
25) 2-Butanone	4.562	43	690992	578.867	ug/l	98
26) 2,2-Dichloropropane	4.471	77	299254	121.468	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	206207	105.613	ug/l	94
28) Bromochloromethane	4.898	49	138227	109.575	ug/l	91
29) Tetrahydrofuran	5.007	42	419337	543.649	ug/l	97
30) Chloroform	5.087	83	350923	112.294	ug/l	97
31) Cyclohexane	5.458	56	256114	105.404	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	309469	115.841	ug/l	98
36) 1,1-Dichloropropene	5.684	75	222573	107.931	ug/l	99
37) Ethyl Acetate	4.715	43	265631	114.453	ug/l	97
38) Carbon Tetrachloride	5.672	117	256290	117.390	ug/l	97
39) Methylcyclohexane	7.373	83	283075	109.652	ug/l	98
40) Benzene	6.032	78	684139	105.520	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043929.D
 Acq On : 21 Nov 2024 11:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 21 12:15:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	143256	118.447	ug/l	94
42) 1,2-Dichloroethane	6.080	62	271641	115.387	ug/l	98
43) Isopropyl Acetate	6.342	43	440615	120.346	ug/l	94
44) Trichloroethene	7.123	130	169796	94.997	ug/l	98
45) 1,2-Dichloropropane	7.428	63	170741	107.450	ug/l	99
46) Dibromomethane	7.574	93	135928	113.518	ug/l	96
47) Bromodichloromethane	7.818	83	260442	123.792	ug/l	97
48) Methyl methacrylate	7.690	41	210614	116.061	ug/l	88
49) 1,4-Dioxane	7.665	88	62845	1625.913	ug/l #	72
51) 4-Methyl-2-Pentanone	8.574	43	1329064	582.189	ug/l	95
52) Toluene	8.714	92	418999	112.018	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	270418	126.680	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	285627	118.077	ug/l #	89
55) 1,1,2-Trichloroethane	9.147	97	167357	114.675	ug/l	97
56) Ethyl methacrylate	9.116	69	286893	124.157	ug/l #	90
57) 1,3-Dichloropropane	9.305	76	285511	116.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	698756	576.637	ug/l	98
59) 2-Hexanone	9.433	43	1011261	627.842	ug/l	95
60) Dibromochloromethane	9.519	129	187476	131.832	ug/l	99
61) 1,2-Dibromoethane	9.610	107	176345	115.841	ug/l	99
64) Tetrachloroethene	9.269	164	135740	98.157	ug/l	97
65) Chlorobenzene	10.080	112	461076	102.382	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	164586	109.812	ug/l	97
67) Ethyl Benzene	10.189	91	812289	107.178	ug/l	98
68) m/p-Xylenes	10.299	106	603451	213.769	ug/l	96
69) o-Xylene	10.640	106	298739	108.462	ug/l	98
70) Styrene	10.653	104	511251	112.628	ug/l	98
71) Bromoform	10.799	173	123114	125.866	ug/l #	98
73) Isopropylbenzene	10.957	105	765623	103.086	ug/l	99
74) N-amyl acetate	10.842	43	394438	119.112	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	262302	104.456	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	219028m	103.148	ug/l	
77) Bromobenzene	11.195	156	183742	100.944	ug/l	98
78) n-propylbenzene	11.305	91	891893	108.835	ug/l	99
79) 2-Chlorotoluene	11.360	91	537190	103.022	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	648916	105.408	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	88041	116.733	ug/l	97
82) 4-Chlorotoluene	11.451	91	629590	104.841	ug/l	100
83) tert-Butylbenzene	11.713	119	655918	104.157	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	650156	103.992	ug/l	100
85) sec-Butylbenzene	11.890	105	793233	105.481	ug/l	100
86) p-Isopropyltoluene	12.006	119	669819	106.078	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	337665	100.095	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	343312	99.262	ug/l	99
89) n-Butylbenzene	12.329	91	605284	112.498	ug/l	99
90) Hexachloroethane	12.536	117	120913	113.763	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	341767	96.765	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	57287	110.517	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	210571	102.015	ug/l	98
94) Hexachlorobutadiene	13.725	225	79822	94.363	ug/l	95
95) Naphthalene	13.774	128	776740	100.923	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	211814	98.491	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

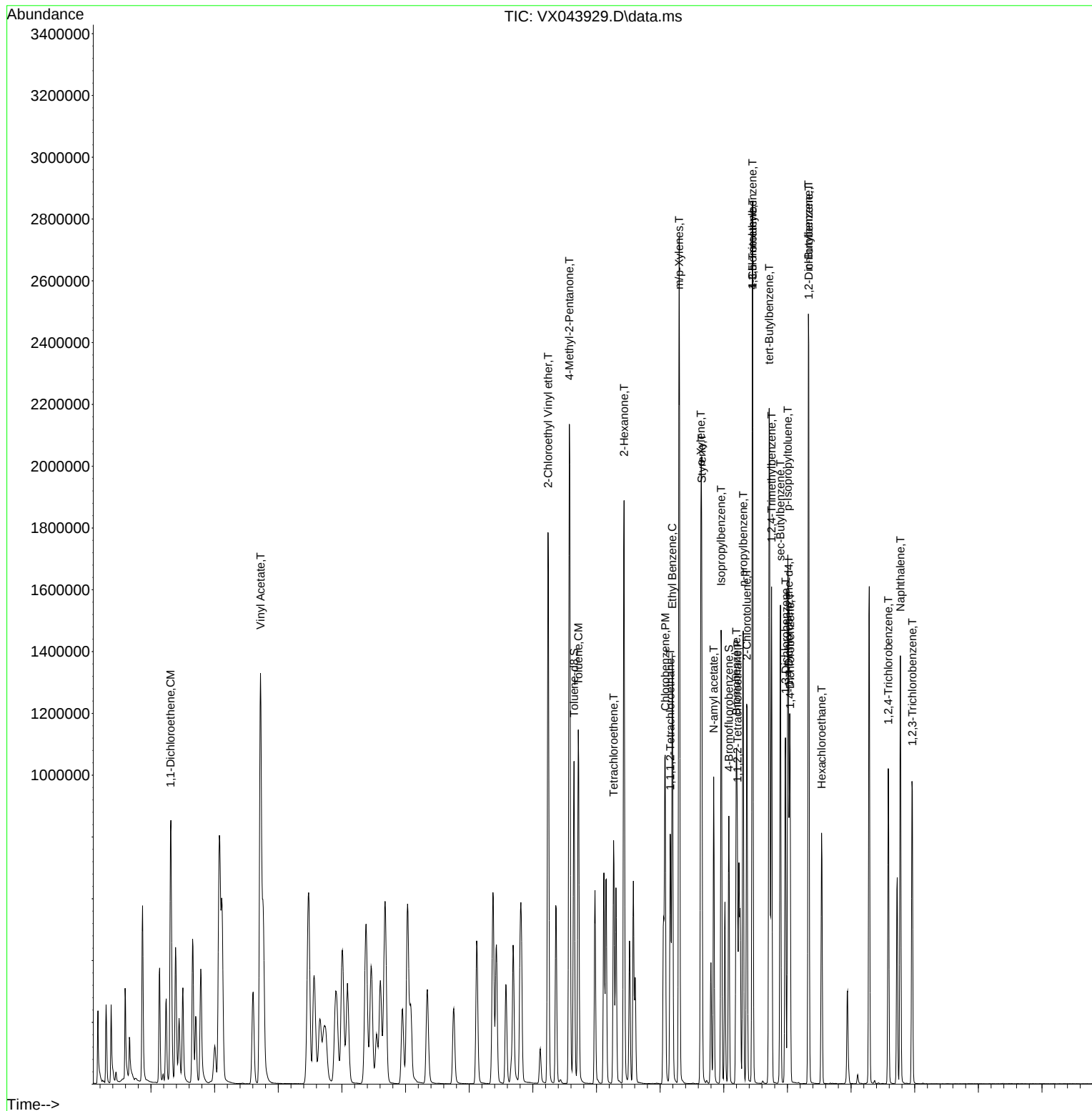
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043930.D
 Acq On : 21 Nov 2024 12:03
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 21 12:32:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 12:18:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	132286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96376	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	349080	171.797	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	343.600%#
35) Dibromofluoromethane	5.385	113	268135	168.036	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	336.080%#
50) Toluene-d8	8.647	98	896413	168.154	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	336.300%#
62) 4-Bromofluorobenzene	11.079	95	324612	184.279	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	368.560%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	241389	180.335	ug/l	97
3) Chloromethane	1.294	50	268770	160.659	ug/l	100
4) Vinyl Chloride	1.374	62	271568	161.568	ug/l	99
5) Bromomethane	1.593	94	175581	229.967	ug/l	98
6) Chloroethane	1.660	64	140375	174.839	ug/l	98
7) Trichlorofluoromethane	1.861	101	527057	219.944	ug/l	100
8) Diethyl Ether	2.136	74	185146	204.934	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.312	101	237653	167.580	ug/l	97
10) Methyl Iodide	2.440	142	299792	150.207	ug/l	96
11) Tert butyl alcohol	3.014	59	306168	947.555	ug/l	99
12) 1,1-Dichloroethene	2.306	96	228504	166.017	ug/l	91
13) Acrolein	2.239	56	294638	813.086	ug/l	100
14) Allyl chloride	2.654	41	394228	176.662	ug/l	91
15) Acrylonitrile	3.068	53	684169	822.558	ug/l	98
16) Acetone	2.392	43	734161	899.588	ug/l	92
17) Carbon Disulfide	2.501	76	554853	184.625	ug/l	100
18) Methyl Acetate	2.703	43	361338	161.681	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	869848	170.980	ug/l	98
20) Methylene Chloride	2.782	84	260099	152.260	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	245485	163.596	ug/l	95
22) Diisopropyl ether	3.763	45	835960	171.467	ug/l	96
23) Vinyl Acetate	3.721	43	3797951	961.094	ug/l	97
24) 1,1-Dichloroethane	3.599	63	479590	167.262	ug/l	99
25) 2-Butanone	4.568	43	1012692	887.025	ug/l	97
26) 2,2-Dichloropropane	4.465	77	440061	186.761	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	304342	162.978	ug/l	94
28) Bromochloromethane	4.891	49	207753	172.194	ug/l	91
29) Tetrahydrofuran	5.007	42	617277	836.734	ug/l	98
30) Chloroform	5.092	83	513285	171.734	ug/l	98
31) Cyclohexane	5.458	56	367157	157.989	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	455922	178.438	ug/l	98
36) 1,1-Dichloropropene	5.684	75	331239	166.559	ug/l	98
37) Ethyl Acetate	4.721	43	393670	175.887	ug/l	97
38) Carbon Tetrachloride	5.672	117	376287	178.719	ug/l	98
39) Methylcyclohexane	7.372	83	410333	164.816	ug/l	96
40) Benzene	6.031	78	999210	159.808	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043930.D
 Acq On : 21 Nov 2024 12:03
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 21 12:32:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 12:18:48 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	206026	176.637	ug/l	95
42) 1,2-Dichloroethane	6.080	62	397508	175.089	ug/l	98
43) Isopropyl Acetate	6.342	43	661839	187.445	ug/l	94
44) Trichloroethene	7.123	130	251071	145.657	ug/l	97
45) 1,2-Dichloropropane	7.427	63	249394	162.744	ug/l	100
46) Dibromomethane	7.580	93	202329	175.212	ug/l	95
47) Bromodichloromethane	7.818	83	388259	191.362	ug/l	97
48) Methyl methacrylate	7.690	41	315872	180.493	ug/l	88
49) 1,4-Dioxane	7.665	88	106634	2860.706	ug/l #	76
51) 4-Methyl-2-Pentanone	8.580	43	1954925	887.971	ug/l	96
52) Toluene	8.714	92	607179	168.323	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	406346	197.387	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	428549	183.704	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	245706	174.579	ug/l	99
56) Ethyl methacrylate	9.116	69	420409	188.658	ug/l #	88
57) 1,3-Dichloropropane	9.305	76	416811	176.770	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	1023576	875.887	ug/l	98
59) 2-Hexanone	9.433	43	1493755	961.650	ug/l	94
60) Dibromochloromethane	9.518	129	286188	208.679	ug/l	100
61) 1,2-Dibromoethane	9.610	107	261369	178.035	ug/l	100
64) Tetrachloroethene	9.268	164	202262	155.122	ug/l	98
65) Chlorobenzene	10.079	112	675513	159.085	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	241604	170.964	ug/l	97
67) Ethyl Benzene	10.195	91	1181693	165.365	ug/l	100
68) m/p-Xylenes	10.299	106	884067	332.148	ug/l	97
69) o-Xylene	10.640	106	436919	168.240	ug/l	98
70) Styrene	10.652	104	742061	173.379	ug/l	97
71) Bromoform	10.799	173	186691	161.632	ug/l #	100
73) Isopropylbenzene	10.963	105	1135309	165.031	ug/l	99
74) N-amyl acetate	10.841	43	586560	159.995	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	379947	163.351	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	313344m	159.312	ug/l	
77) Bromobenzene	11.195	156	270671	160.539	ug/l	98
78) n-propylbenzene	11.305	91	1296979	170.866	ug/l	99
79) 2-Chlorotoluene	11.366	91	788163	163.185	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	936129	164.167	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	136104	161.734	ug/l	99
82) 4-Chlorotoluene	11.451	91	919566	165.319	ug/l	100
83) tert-Butylbenzene	11.713	119	945058	162.017	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	933275	161.161	ug/l	100
85) sec-Butylbenzene	11.890	105	1148877	164.934	ug/l	100
86) p-Isopropyltoluene	12.006	119	972007	166.189	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	490336	156.923	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	494318	154.301	ug/l	99
89) n-Butylbenzene	12.329	91	903805	181.353	ug/l	99
90) Hexachloroethane	12.536	117	180575	151.823	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	503214	153.818	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	87963	146.019	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	325289	170.137	ug/l	99
94) Hexachlorobutadiene	13.725	225	121126	154.589	ug/l	97
95) Naphthalene	13.774	128	1173154	164.565	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	326693	164.001	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

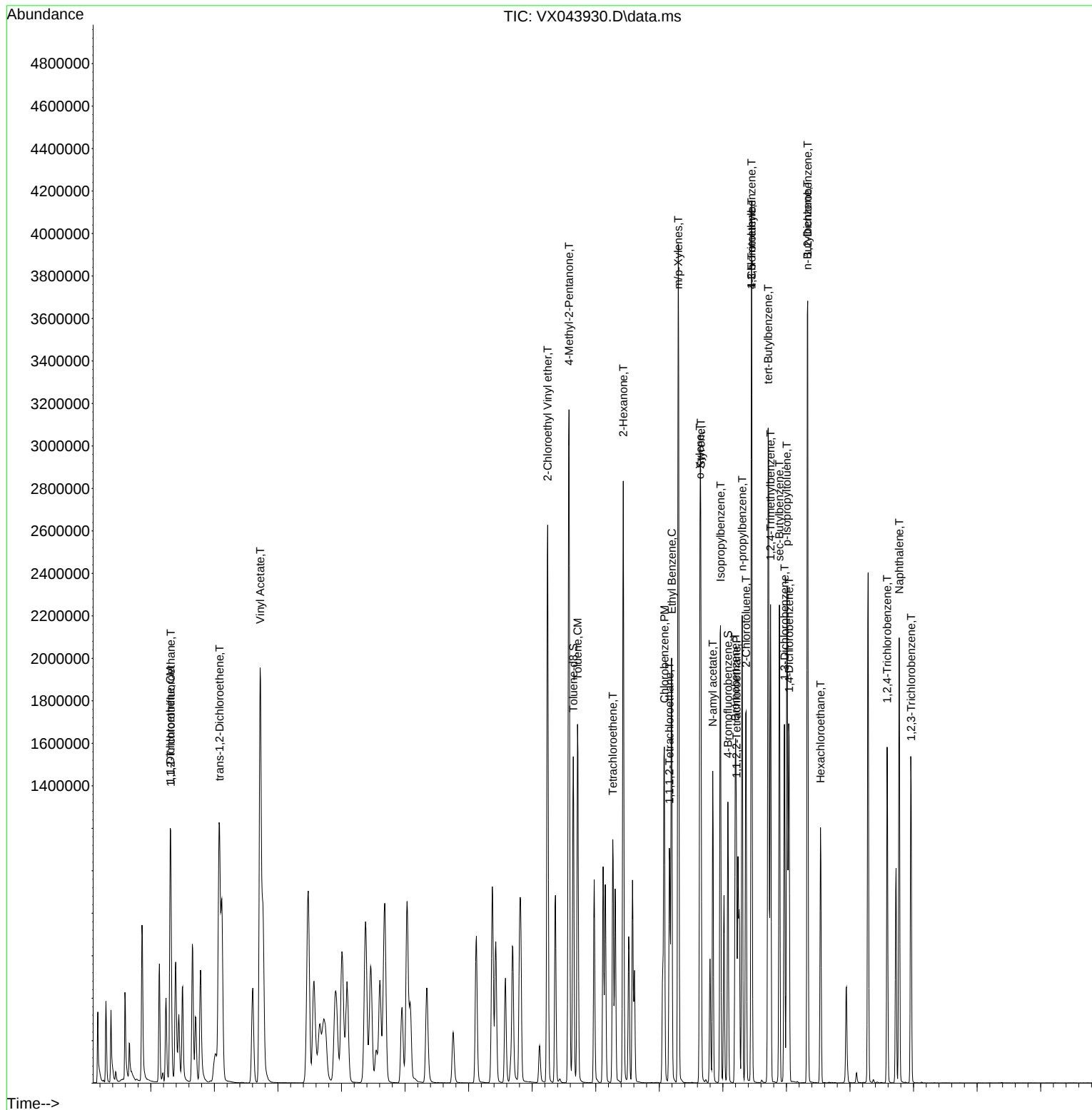
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Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 22 03:54:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	131073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	229009	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	198776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112818	50.183	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.360%			
35) Dibromofluoromethane	5.379	113	85815	52.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.880%			
50) Toluene-d8	8.647	98	289000	51.234	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.460%			
62) 4-Bromofluorobenzene	11.079	95	103640	53.987	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	83916	50.537	ug/l	99
3) Chloromethane	1.295	50	85795	49.100	ug/l	98
4) Vinyl Chloride	1.374	62	93147	50.118	ug/l	97
5) Bromomethane	1.593	94	53783	47.040	ug/l	100
6) Chloroethane	1.660	64	46342	40.921	ug/l	100
7) Trichlorofluoromethane	1.868	101	177461	53.407	ug/l	99
8) Diethyl Ether	2.130	74	57339	47.345	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	80458	50.762	ug/l	98
10) Methyl Iodide	2.441	142	96234	48.614	ug/l	100
11) Tert butyl alcohol	2.995	59	85927	238.127	ug/l	99
12) 1,1-Dichloroethene	2.307	96	72787	48.192	ug/l	99
13) Acrolein	2.233	56	89571	235.500	ug/l	98
14) Allyl chloride	2.654	41	127367	51.610	ug/l	99
15) Acrylonitrile	3.063	53	227832	259.090	ug/l	99
16) Acetone	2.386	43	257802	249.676	ug/l	99
17) Carbon Disulfide	2.496	76	153826	49.375	ug/l	100
18) Methyl Acetate	2.703	43	121774	50.643	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	275221	50.186	ug/l	98
20) Methylene Chloride	2.782	84	82274	46.954	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	76687	49.179	ug/l	97
22) Diisopropyl ether	3.758	45	264554	50.132	ug/l	96
23) Vinyl Acetate	3.715	43	1189244	263.441	ug/l	100
24) 1,1-Dichloroethane	3.599	63	153635	50.466	ug/l	98
25) 2-Butanone	4.556	43	348803	261.804	ug/l	98
26) 2,2-Dichloropropane	4.459	77	143910	52.343	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	95076	49.326	ug/l	99
28) Bromochloromethane	4.891	49	62874	46.920	ug/l	96
29) Tetrahydrofuran	5.001	42	207942	254.585	ug/l	100
30) Chloroform	5.080	83	163357	49.891	ug/l	98
31) Cyclohexane	5.458	56	128482	51.278	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	144908	51.320	ug/l	99
36) 1,1-Dichloropropene	5.678	75	108518	53.218	ug/l	97
37) Ethyl Acetate	4.709	43	133283	52.656	ug/l	97
38) Carbon Tetrachloride	5.660	117	118655	51.786	ug/l	99
39) Methylcyclohexane	7.373	83	141696	53.489	ug/l	93
40) Benzene	6.025	78	319222	50.257	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

ICVVX112124

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:54:00 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M

Quant Title : SW846 8260

QLast Update : Fri Nov 22 03:45:52 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	69766	53.851	ug/l	99
42) 1,2-Dichloroethane	6.074	62	128623	50.421	ug/l	100
43) Isopropyl Acetate	6.336	43	207332	51.469	ug/l	99
44) Trichloroethene	7.117	130	80113	44.554	ug/l	90
45) 1,2-Dichloropropane	7.422	63	74380	47.811	ug/l	98
46) Dibromomethane	7.574	93	62345	50.662	ug/l	99
47) Bromodichloromethane	7.818	83	116199	52.648	ug/l	99
48) Methyl methacrylate	7.690	41	101062	52.284	ug/l	99
49) 1,4-Dioxane	7.659	88	31178	905.506	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	652721	265.520	ug/l	100
52) Toluene	8.714	92	195814	51.507	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	119461	53.077	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	128808	52.205	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	78575	50.069	ug/l	97
56) Ethyl methacrylate	9.116	69	129841	53.118	ug/l	100
57) 1,3-Dichloropropane	9.305	76	134680	50.945	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	315358	235.230	ug/l	99
59) 2-Hexanone	9.427	43	504444	273.011	ug/l	100
60) Dibromochloromethane	9.519	129	82754	52.557	ug/l	99
61) 1,2-Dibromoethane	9.604	107	83098	52.367	ug/l	100
64) Tetrachloroethene	9.269	164	66054	50.396	ug/l	97
65) Chlorobenzene	10.073	112	209963	48.094	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	74354	52.515	ug/l	98
67) Ethyl Benzene	10.189	91	377215	50.991	ug/l	97
68) m/p-Xylenes	10.299	106	282971	102.572	ug/l	99
69) o-Xylene	10.640	106	138437	51.396	ug/l	98
70) Styrene	10.653	104	230449	51.728	ug/l	99
71) Bromoform	10.799	173	50837	47.449	ug/l #	98
73) Isopropylbenzene	10.957	105	365084	49.222	ug/l	99
74) N-amyl acetate	10.842	43	176627	51.406	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	125346	49.356	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	105742m	49.973	ug/l	
77) Bromobenzene	11.195	156	85070	48.081	ug/l	99
78) n-propylbenzene	11.305	91	419586	50.652	ug/l	99
79) 2-Chlorotoluene	11.360	91	249079	47.551	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	305922	50.134	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	38583	49.756	ug/l	98
82) 4-Chlorotoluene	11.451	91	287717	48.652	ug/l	100
83) tert-Butylbenzene	11.713	119	303408	50.165	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	306251	50.410	ug/l	100
85) sec-Butylbenzene	11.890	105	372793	50.307	ug/l	99
86) p-Isopropyltoluene	12.006	119	310060	51.511	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	153164	47.529	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	155422	47.306	ug/l	97
89) n-Butylbenzene	12.329	91	276075	52.020	ug/l	99
90) Hexachloroethane	12.536	117	51229	50.050	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	154980	47.656	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25968	51.030	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	94896	49.495	ug/l	99
94) Hexachlorobutadiene	13.725	225	37937	50.065	ug/l	97
95) Naphthalene	13.774	128	357725	51.831	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	99447	51.246	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX112124

Quant Time: Nov 22 03:54:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	0.633	0.640	-1.1	89	0.00
3 P	Chloromethane	0.667	0.655	1.8	89	0.00
4 C	Vinyl Chloride	0.709	0.711	-0.3#	88	0.00
5 T	Bromomethane	0.436	0.410	6.0	87	0.00
6 T	Chloroethane	0.432	0.354	18.1	73	0.00
7 T	Trichlorofluoromethane	1.268	1.354	-6.8	94	0.00
8 T	Diethyl Ether	0.462	0.437	5.4	87	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.605	0.614	-1.5	88	0.00
10 T	Methyl Iodide	0.755	0.734	2.8	86	0.00
11 T	Tert butyl alcohol	0.138	0.131	5.1	86	0.00
12 CM	1,1-Dichloroethene	0.576	0.555	3.6#	88	0.00
13 T	Acrolein	0.145	0.137	5.5	89	0.00
14 T	Allyl chloride	0.941	0.972	-3.3	88	0.00
15 T	Acrylonitrile	0.335	0.348	-3.9	89	0.00
16 T	Acetone	0.394	0.393	0.3	88	0.00
17 T	Carbon Disulfide	1.188	1.174	1.2	86	0.00
18 T	Methyl Acetate	0.917	0.929	-1.3	89	0.00
19 T	Methyl tert-butyl Ether	2.092	2.100	-0.4	88	0.00
20 T	Methylene Chloride	0.668	0.628	6.0	89	0.00
21 T	trans-1,2-Dichloroethene	0.595	0.585	1.7	87	0.00
22 T	Diisopropyl ether	2.013	2.018	-0.2	88	0.00
23 T	Vinyl Acetate	1.722	1.815	-5.4	88	0.00
24 P	1,1-Dichloroethane	1.161	1.172	-0.9	88	0.00
25 T	2-Butanone	0.508	0.532	-4.7	89	0.00
26 T	2,2-Dichloropropane	1.049	1.098	-4.7	91	0.00
27 T	cis-1,2-Dichloroethene	0.735	0.725	1.4	87	0.00
28 T	Bromochloromethane	0.511	0.480	6.1	101	0.00
29 T	Tetrahydrofuran	0.312	0.317	-1.6	89	0.00
30 C	Chloroform	1.249	1.246	0.2#	90	0.00
31 T	Cyclohexane	0.956	0.980	-2.5	89	0.00
32 T	1,1,1-Trichloroethane	1.077	1.106	-2.7	88	0.00
33 S	1,2-Dichloroethane-d4	0.858	0.861	-0.3	108	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35 S	Dibromofluoromethane	0.357	0.375	-5.0	109	0.00
36 T	1,1-Dichloropropene	0.445	0.474	-6.5	91	0.00
37 T	Ethyl Acetate	0.553	0.582	-5.2	90	0.00
38 T	Carbon Tetrachloride	0.500	0.518	-3.6	88	0.00
39 T	Methylcyclohexane	0.578	0.619	-7.1	89	0.00
40 TM	Benzene	1.387	1.394	-0.5	88	0.00
41 T	Methacrylonitrile	0.283	0.305	-7.8	88	0.00
42 TM	1,2-Dichloroethane	0.557	0.562	-0.9	88	0.00
43 T	Isopropyl Acetate	0.880	0.905	-2.8	88	0.00
44 TM	Trichloroethene	0.393	0.350	10.9	89	0.00
45 C	1,2-Dichloropropane	0.340	0.325	4.4#	83	0.00
46 T	Dibromomethane	0.269	0.272	-1.1	88	0.00
47 T	Bromodichloromethane	0.482	0.507	-5.2	88	0.00
48 T	Methyl methacrylate	0.422	0.441	-4.5	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 22 03:54:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 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	0.008	0.007	12.5	79	0.00
50 S	Toluene-d8	1.232	1.262	-2.4	108	0.00
51 T	4-Methyl-2-Pentanone	0.537	0.570	-6.1	89	0.00
52 CM	Toluene	0.830	0.855	-3.0#	88	0.00
53 T	t-1,3-Dichloropropene	0.491	0.522	-6.3	87	0.00
54 T	cis-1,3-Dichloropropene	0.539	0.562	-4.3	87	0.00
55 T	1,1,2-Trichloroethane	0.343	0.343	0.0	88	0.00
56 T	Ethyl methacrylate	0.534	0.567	-6.2	88	0.00
57 T	1,3-Dichloropropane	0.577	0.588	-1.9	89	0.00
58 T	2-Chloroethyl Vinyl ether	0.273	0.275	-0.7	85	0.00
59 T	2-Hexanone	0.403	0.441	-9.4	89	0.00
60 T	Dibromochloromethane	0.344	0.361	-4.9	87	0.00
61 T	1,2-Dibromoethane	0.346	0.363	-4.9	89	0.00
62 S	4-Bromofluorobenzene	0.419	0.453	-8.1	111	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64 T	Tetrachloroethene	0.330	0.332	-0.6	89	0.00
65 PM	Chlorobenzene	1.098	1.056	3.8	86	0.00
66 T	1,1,1,2-Tetrachloroethane	0.356	0.374	-5.1	89	0.00
67 C	Ethyl Benzene	1.861	1.898	-2.0#	88	0.00
68 T	m/p-Xylenes	0.694	0.712	-2.6	87	0.00
69 T	o-Xylene	0.678	0.696	-2.7	86	0.00
70 T	Styrene	1.121	1.159	-3.4	86	0.00
71 P	Bromoform	0.240	0.256	-6.7	84	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73 T	Isopropylbenzene	3.843	3.784	1.5	89	0.00
74 T	N-amyl acetate	1.780	1.831	-2.9	88	0.00
75 P	1,1,2,2-Tetrachloroethane	1.316	1.299	1.3	90	0.00
76 T	1,2,3-Trichloropropane	1.096	1.096	0.0	89	0.00
77 T	Bromobenzene	0.917	0.882	3.8	87	0.00
78 T	n-propylbenzene	4.293	4.349	-1.3	88	0.00
79 T	2-Chlorotoluene	2.714	2.581	4.9	87	0.00
80 T	1,3,5-Trimethylbenzene	3.162	3.171	-0.3	89	0.00
81 T	trans-1,4-Dichloro-2-butene	0.402	0.400	0.5	87	0.00
82 T	4-Chlorotoluene	3.064	2.982	2.7	86	0.00
83 T	tert-Butylbenzene	3.134	3.144	-0.3	88	0.00
84 T	1,2,4-Trimethylbenzene	3.148	3.174	-0.8	89	0.00
85 T	sec-Butylbenzene	3.840	3.864	-0.6	87	0.00
86 T	p-Isopropyltoluene	3.119	3.213	-3.0	88	0.00
87 T	1,3-Dichlorobenzene	1.670	1.587	5.0	87	0.00
88 T	1,4-Dichlorobenzene	1.702	1.611	5.3	87	0.00
89 T	n-Butylbenzene	2.750	2.861	-4.0	86	0.00
90 T	Hexachloroethane	0.530	0.531	-0.2	87	0.00
91 T	1,2-Dichlorobenzene	1.685	1.606	4.7	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.264	0.269	-1.9	91	0.00
93 T	1,2,4-Trichlorobenzene	0.994	0.983	1.1	87	0.00
94 T	Hexachlorobutadiene	0.393	0.393	0.0	92	0.00
95 T	Naphthalene	3.576	3.707	-3.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	1.031	-2.5	89	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 22 03:54:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	50.000	50.537	-1.1	89	0.00
3 P	Chloromethane	50.000	49.100	1.8	89	0.00
4 C	Vinyl Chloride	50.000	50.118	-0.2#	88	0.00
5 T	Bromomethane	50.000	47.040	5.9	87	0.00
6 T	Chloroethane	50.000	40.921	18.2	73	0.00
7 T	Trichlorofluoromethane	50.000	53.407	-6.8	94	0.00
8 T	Diethyl Ether	50.000	47.345	5.3	87	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.762	-1.5	88	0.00
10 T	Methyl Iodide	50.000	48.614	2.8	86	0.00
11 T	Tert butyl alcohol	250.000	238.127	4.7	86	0.00
12 CM	1,1-Dichloroethene	50.000	48.192	3.6#	88	0.00
13 T	Acrolein	250.000	235.500	5.8	89	0.00
14 T	Allyl chloride	50.000	51.610	-3.2	88	0.00
15 T	Acrylonitrile	250.000	259.090	-3.6	89	0.00
16 T	Acetone	250.000	249.676	0.1	88	0.00
17 T	Carbon Disulfide	50.000	49.375	1.3	86	0.00
18 T	Methyl Acetate	50.000	50.643	-1.3	89	0.00
19 T	Methyl tert-butyl Ether	50.000	50.186	-0.4	88	0.00
20 T	Methylene Chloride	50.000	46.954	6.1	89	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.179	1.6	87	0.00
22 T	Diisopropyl ether	50.000	50.132	-0.3	88	0.00
23 T	Vinyl Acetate	250.000	263.441	-5.4	88	0.00
24 P	1,1-Dichloroethane	50.000	50.466	-0.9	88	0.00
25 T	2-Butanone	250.000	261.804	-4.7	89	0.00
26 T	2,2-Dichloropropane	50.000	52.343	-4.7	91	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.326	1.3	87	0.00
28 T	Bromochloromethane	50.000	46.920	6.2	101	0.00
29 T	Tetrahydrofuran	250.000	254.585	-1.8	89	0.00
30 C	Chloroform	50.000	49.891	0.2#	90	0.00
31 T	Cyclohexane	50.000	51.278	-2.6	89	0.00
32 T	1,1,1-Trichloroethane	50.000	51.320	-2.6	88	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.183	-0.4	108	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35 S	Dibromofluoromethane	50.000	52.442	-4.9	109	0.00
36 T	1,1-Dichloropropene	50.000	53.218	-6.4	91	0.00
37 T	Ethyl Acetate	50.000	52.656	-5.3	90	0.00
38 T	Carbon Tetrachloride	50.000	51.786	-3.6	88	0.00
39 T	Methylcyclohexane	50.000	53.489	-7.0	89	0.00
40 TM	Benzene	50.000	50.257	-0.5	88	0.00
41 T	Methacrylonitrile	50.000	53.851	-7.7	88	0.00
42 TM	1,2-Dichloroethane	50.000	50.421	-0.8	88	0.00
43 T	Isopropyl Acetate	50.000	51.469	-2.9	88	0.00
44 TM	Trichloroethene	50.000	44.554	10.9	89	0.00
45 C	1,2-Dichloropropane	50.000	47.811	4.4#	83	0.00
46 T	Dibromomethane	50.000	50.662	-1.3	88	0.00
47 T	Bromodichloromethane	50.000	52.648	-5.3	88	0.00
48 T	Methyl methacrylate	50.000	52.284	-4.6	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX112124

Quant Time: Nov 22 03:54:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 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	905.506	9.4	79	0.00
50 S	Toluene-d8	50.000	51.234	-2.5	108	0.00
51 T	4-Methyl-2-Pentanone	250.000	265.520	-6.2	89	0.00
52 CM	Toluene	50.000	51.507	-3.0#	88	0.00
53 T	t-1,3-Dichloropropene	50.000	53.077	-6.2	87	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.205	-4.4	87	0.00
55 T	1,1,2-Trichloroethane	50.000	50.069	-0.1	88	0.00
56 T	Ethyl methacrylate	50.000	53.118	-6.2	88	0.00
57 T	1,3-Dichloropropane	50.000	50.945	-1.9	89	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	235.230	5.9	85	0.00
59 T	2-Hexanone	250.000	273.011	-9.2	89	0.00
60 T	Dibromochloromethane	50.000	52.557	-5.1	87	0.00
61 T	1,2-Dibromoethane	50.000	52.367	-4.7	89	0.00
62 S	4-Bromofluorobenzene	50.000	53.987	-8.0	111	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64 T	Tetrachloroethene	50.000	50.396	-0.8	89	0.00
65 PM	Chlorobenzene	50.000	48.094	3.8	86	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.515	-5.0	89	0.00
67 C	Ethyl Benzene	50.000	50.991	-2.0#	88	0.00
68 T	m/p-Xylenes	100.000	102.572	-2.6	87	0.00
69 T	o-Xylene	50.000	51.396	-2.8	86	0.00
70 T	Styrene	50.000	51.728	-3.5	86	0.00
71 P	Bromoform	50.000	47.449	5.1	84	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73 T	Isopropylbenzene	50.000	49.222	1.6	89	0.00
74 T	N-amyl acetate	50.000	51.406	-2.8	88	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.356	1.3	90	0.00
76 T	1,2,3-Trichloropropane	50.000	49.973	0.1	89	0.00
77 T	Bromobenzene	50.000	48.081	3.8	87	0.00
78 T	n-propylbenzene	50.000	50.652	-1.3	88	0.00
79 T	2-Chlorotoluene	50.000	47.551	4.9	87	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.134	-0.3	89	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.756	0.5	87	0.00
82 T	4-Chlorotoluene	50.000	48.652	2.7	86	0.00
83 T	tert-Butylbenzene	50.000	50.165	-0.3	88	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.410	-0.8	89	0.00
85 T	sec-Butylbenzene	50.000	50.307	-0.6	87	0.00
86 T	p-Isopropyltoluene	50.000	51.511	-3.0	88	0.00
87 T	1,3-Dichlorobenzene	50.000	47.529	4.9	87	0.00
88 T	1,4-Dichlorobenzene	50.000	47.306	5.4	87	0.00
89 T	n-Butylbenzene	50.000	52.020	-4.0	86	0.00
90 T	Hexachloroethane	50.000	50.050	-0.1	87	0.00
91 T	1,2-Dichlorobenzene	50.000	47.656	4.7	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.030	-2.1	91	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.495	1.0	87	0.00
94 T	Hexachlorobutadiene	50.000	50.065	-0.1	92	0.00
95 T	Naphthalene	50.000	51.831	-3.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	51.246	-2.5	89	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P5224 SAS No.: P5224 SDG No.: P5224

Instrument ID: MSVOA_X Calibration Date/Time: 12/10/2024 10:43

Lab File ID: VX044197.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.527		-16.75	20
Chloromethane	0.667	0.569	0.1	-14.69	20
Vinyl Chloride	0.709	0.628		-11.43	20
Bromomethane	0.436	0.455		4.36	20
Chloroethane	0.432	0.424		-1.85	20
Trichlorofluoromethane	1.268	1.418		11.83	20
1,1,2-Trichlorotrifluoroethane	0.605	0.606		0.17	20
1,1-Dichloroethene	0.576	0.529		-8.16	20
Acetone	0.394	0.458		16.24	20
Carbon Disulfide	1.188	0.962		-19.02	20
Methyl tert-butyl Ether	2.092	2.233		6.74	20
Methyl Acetate	0.917	1.022		11.45	20
Methylene Chloride	0.668	0.637		-4.64	20
trans-1,2-Dichloroethene	0.595	0.573		-3.7	20
1,1-Dichloroethane	1.161	1.178	0.1	1.46	20
Cyclohexane	0.956	0.924		-3.35	20
2-Butanone	0.508	0.601		18.31	20
Carbon Tetrachloride	0.500	0.529		5.8	20
cis-1,2-Dichloroethene	0.735	0.749		1.9	20
Bromochloromethane	0.511	0.489		-4.3	20
Chloroform	1.249	1.296		3.76	20
1,1,1-Trichloroethane	1.077	1.143		6.13	20
Methylcyclohexane	0.578	0.582		0.69	20
Benzene	1.387	1.399		0.87	20
1,2-Dichloroethane	0.557	0.598		7.36	20
Trichloroethene	0.393	0.358		-8.91	20
1,2-Dichloropropane	0.340	0.365		7.35	20
Bromodichloromethane	0.482	0.545		13.07	20
4-Methyl-2-Pentanone	0.537	0.657		22.35	20
Toluene	0.830	0.892		7.47	20
t-1,3-Dichloropropene	0.491	0.566		15.27	20
cis-1,3-Dichloropropene	0.539	0.591		9.65	20
1,1,2-Trichloroethane	0.343	0.382		11.37	20
2-Hexanone	0.403	0.515		27.79	20
Dibromochloromethane	0.344	0.401		16.57	20
1,2-Dibromoethane	0.346	0.404		16.76	20
Tetrachloroethene	0.330	0.336		1.82	20
Chlorobenzene	1.098	1.144	0.3	4.19	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P5224 SAS No.: P5224 SDG No.: P5224

Instrument ID: MSVOA_X Calibration Date/Time: 12/10/2024 10:43

Lab File ID: VX044197.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	2.022		8.65	20
m/p-Xylenes	0.694	0.751		8.21	20
o-Xylene	0.678	0.748		10.32	20
Styrene	1.121	1.260		12.4	20
Bromoform	0.240	0.284	0.1	18.33	20
Isopropylbenzene	3.843	4.048		5.33	20
1,1,2,2-Tetrachloroethane	1.316	1.422	0.3	8.06	20
1,3-Dichlorobenzene	1.670	1.754		5.03	20
1,4-Dichlorobenzene	1.702	1.759		3.35	20
1,2-Dichlorobenzene	1.685	1.803		7	20
1,2-Dibromo-3-Chloropropane	0.264	0.303		14.77	20
1,2,4-Trichlorobenzene	0.994	1.061		6.74	20
1,2,3-Trichlorobenzene	1.006	1.115		10.84	20
1,2-Dichloroethane-d4	0.858	0.878		2.33	20
Dibromofluoromethane	0.357	0.374		4.76	20
Toluene-d8	1.232	1.265		2.68	20
4-Bromofluorobenzene	0.419	0.460		9.78	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\VX121024\
 Data File : VX044197.D
 Acq On : 10 Dec 2024 10:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/11/2024
 Supervised By : Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:25:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	121082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	212067	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	187191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106260	51.166	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.340%			
35) Dibromofluoromethane	5.379	113	79263	52.308	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.620%			
50) Toluene-d8	8.647	98	268167	51.339	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.680%			
62) 4-Bromofluorobenzene	11.079	95	97578	54.890	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	63839	41.618	ug/l	97
3) Chloromethane	1.294	50	68950	42.716	ug/l	99
4) Vinyl Chloride	1.374	62	76098	44.323	ug/l	99
5) Bromomethane	1.593	94	55134	52.201	ug/l	97
6) Chloroethane	1.660	64	51361	49.095	ug/l	98
7) Trichlorofluoromethane	1.867	101	171671	55.927	ug/l	100
8) Diethyl Ether	2.130	74	56553	50.549	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	73331	50.083	ug/l	98
10) Methyl Iodide	2.441	142	90454	49.465	ug/l	97
11) Tert butyl alcohol	2.995	59	83857	251.566	ug/l	97
12) 1,1-Dichloroethene	2.306	96	64019	45.885	ug/l	97
13) Acrolein	2.233	56	101837	289.842	ug/l	97
14) Allyl chloride	2.654	41	115018	50.451	ug/l	97
15) Acrylonitrile	3.068	53	227165	279.648	ug/l	99
16) Acetone	2.386	43	277283	290.702	ug/l	99
17) Carbon Disulfide	2.495	76	116422	40.453	ug/l	99
18) Methyl Acetate	2.703	43	123713	55.695	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	270415	53.378	ug/l	99
20) Methylene Chloride	2.782	84	77152	47.664	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	69426	48.196	ug/l	99
22) Diisopropyl ether	3.763	45	258512	53.030	ug/l	97
23) Vinyl Acetate	3.721	43	1139264	273.194	ug/l	99
24) 1,1-Dichloroethane	3.599	63	142627	50.716	ug/l	100
25) 2-Butanone	4.562	43	363724	295.530	ug/l	99
26) 2,2-Dichloropropane	4.465	77	132529	52.181	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	90693	50.935	ug/l	98
28) Bromochloromethane	4.891	49	59174	47.802	ug/l	96
29) Tetrahydrofuran	5.007	42	209149	277.191	ug/l	99
30) Chloroform	5.086	83	156932	51.884	ug/l	99
31) Cyclohexane	5.452	56	111927	48.357	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	138440	53.075	ug/l	99
36) 1,1-Dichloropropene	5.684	75	97232	51.492	ug/l	98
37) Ethyl Acetate	4.715	43	134827	57.521	ug/l	98
38) Carbon Tetrachloride	5.672	117	112117	52.842	ug/l	96
39) Methylcyclohexane	7.373	83	123359	50.287	ug/l	97
40) Benzene	6.031	78	296645	50.434	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044197.D
 Acq On : 10 Dec 2024 10:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/11/2024
 Supervised By :Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:25:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	68558	57.147	ug/l	94
42) 1,2-Dichloroethane	6.080	62	126793	53.674	ug/l	100
43) Isopropyl Acetate	6.336	43	212244	56.898	ug/l	99
44) Trichloroethene	7.117	130	75985	45.635	ug/l	92
45) 1,2-Dichloropropane	7.427	63	77311	53.666	ug/l	97
46) Dibromomethane	7.580	93	62367	54.728	ug/l	99
47) Bromodichloromethane	7.818	83	115501	56.513	ug/l	99
48) Methyl methacrylate	7.690	41	99017	55.319	ug/l	98
49) 1,4-Dioxane	7.659	88	28446	892.162	ug/l #	74
51) 4-Methyl-2-Pentanone	8.574	43	696425	305.931	ug/l	100
52) Toluene	8.714	92	189268	53.762	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	120064	57.607	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	125311	54.845	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	80926	55.687	ug/l	96
56) Ethyl methacrylate	9.116	69	134754	59.532	ug/l	100
57) 1,3-Dichloropropane	9.305	76	135605	55.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	314332	253.403	ug/l	99
59) 2-Hexanone	9.427	43	545883	319.041	ug/l	100
60) Dibromochloromethane	9.519	129	85107	58.369	ug/l	99
61) 1,2-Dibromoethane	9.610	107	85669	58.300	ug/l	96
64) Tetrachloroethene	9.269	164	62970	51.016	ug/l	98
65) Chlorobenzene	10.079	112	214102	52.077	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	76789	57.592	ug/l	96
67) Ethyl Benzene	10.189	91	378463	54.326	ug/l	99
68) m/p-Xylenes	10.299	106	281005	108.164	ug/l	99
69) o-Xylene	10.640	106	139928	55.165	ug/l	98
70) Styrene	10.652	104	235876	56.223	ug/l	98
71) Bromoform	10.799	173	53151	52.273	ug/l #	98
73) Isopropylbenzene	10.963	105	368919	52.666	ug/l	99
74) N-amyl acetate	10.841	43	186542	57.486	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	129580	54.025	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	110467m	55.278	ug/l	
77) Bromobenzene	11.195	156	86985	52.056	ug/l	98
78) n-propylbenzene	11.305	91	423839	54.176	ug/l	99
79) 2-Chlorotoluene	11.360	91	259490	52.453	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	310149	53.818	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	38314	52.317	ug/l	97
82) 4-Chlorotoluene	11.451	91	301801	54.037	ug/l	99
83) tert-Butylbenzene	11.713	119	316356	55.384	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	313218	54.591	ug/l	99
85) sec-Butylbenzene	11.890	105	388872	55.564	ug/l	100
86) p-Isopropyltoluene	12.006	119	325073	57.182	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	159843	52.521	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	160310	51.665	ug/l	97
89) n-Butylbenzene	12.329	91	283567	56.576	ug/l	99
90) Hexachloroethane	12.536	117	50899	52.654	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	164337	53.506	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	27603	57.434	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	96701	53.404	ug/l	99
94) Hexachlorobutadiene	13.725	225	39157	54.716	ug/l	96
95) Naphthalene	13.774	128	381783	58.572	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	101647	55.461	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044197.D
Acq On : 10 Dec 2024 10:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:25:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

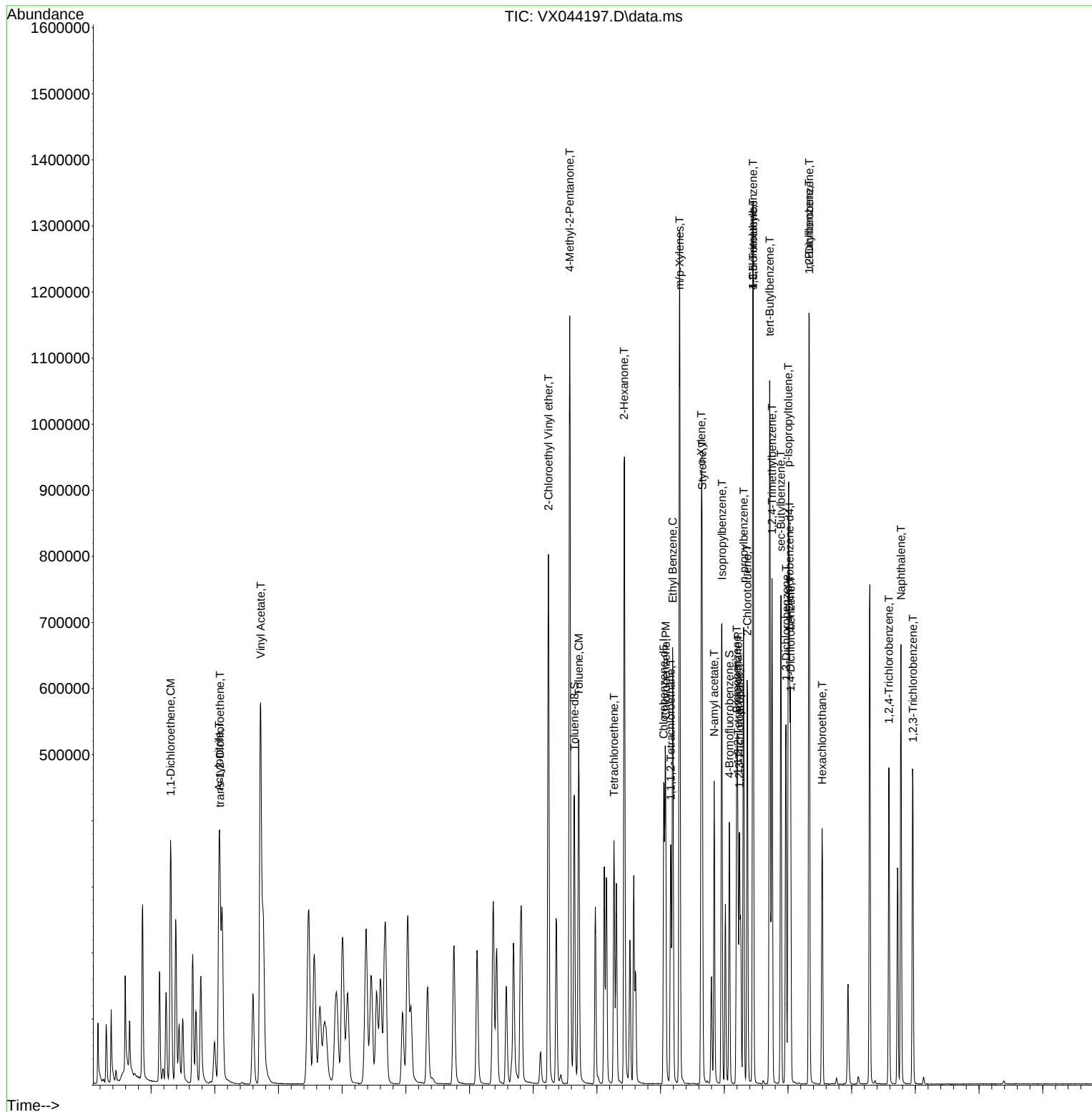
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044197.D
Acq On    : 10 Dec 2024  10:43
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
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 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 LabSampleId :
 VSTDCCC050

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
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 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	87	0.00
2 T	Dichlorodifluoromethane	0.633	0.527	16.7	67	0.00
3 P	Chloromethane	0.667	0.569	14.7	71	0.00
4 C	Vinyl Chloride	0.709	0.628	11.4#	72	0.00
5 T	Bromomethane	0.436	0.455	-4.4	89	0.00
6 T	Chloroethane	0.432	0.424	1.9	81	0.00
7 T	Trichlorofluoromethane	1.268	1.418	-11.8	91	0.00
8 T	Diethyl Ether	0.462	0.467	-1.1	86	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.605	0.606	-0.2	80	0.00
10 T	Methyl Iodide	0.755	0.747	1.1	81	0.00
11 T	Tert butyl alcohol	0.138	0.139	-0.7	84	0.00
12 CM	1,1-Dichloroethene	0.576	0.529	8.2#	77	0.00
13 T	Acrolein	0.145	0.168	-15.9	101	0.00
14 T	Allyl chloride	0.941	0.950	-1.0	80	0.00
15 T	Acrylonitrile	0.335	0.375	-11.9	89	0.00
16 T	Acetone	0.394	0.458	-16.2	94	0.00
17 T	Carbon Disulfide	1.188	0.962	19.0	65	0.00
18 T	Methyl Acetate	0.917	1.022	-11.5	90	0.00
19 T	Methyl tert-butyl Ether	2.092	2.233	-6.7	86	0.00
20 T	Methylene Chloride	0.668	0.637	4.6	83	0.00
21 T	trans-1,2-Dichloroethene	0.595	0.573	3.7	79	0.00
22 T	Diisopropyl ether	2.013	2.135	-6.1	86	0.00
23 T	Vinyl Acetate	1.722	1.882	-9.3	85	0.00
24 P	1,1-Dichloroethane	1.161	1.178	-1.5	82	0.00
25 T	2-Butanone	0.508	0.601	-18.3	93	0.00
26 T	2,2-Dichloropropane	1.049	1.095	-4.4	84	0.00
27 T	cis-1,2-Dichloroethene	0.735	0.749	-1.9	83	0.00
28 T	Bromochloromethane	0.511	0.489	4.3	95	0.00
29 T	Tetrahydrofuran	0.312	0.345	-10.6	89	0.00
30 C	Chloroform	1.249	1.296	-3.8#	86	0.00
31 T	Cyclohexane	0.956	0.924	3.3	78	0.00
32 T	1,1,1-Trichloroethane	1.077	1.143	-6.1	84	0.00
33 S	1,2-Dichloroethane-d4	0.858	0.878	-2.3	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
35 S	Dibromofluoromethane	0.357	0.374	-4.8	100	0.00
36 T	1,1-Dichloropropene	0.445	0.458	-2.9	82	0.00
37 T	Ethyl Acetate	0.553	0.636	-15.0	91	0.00
38 T	Carbon Tetrachloride	0.500	0.529	-5.8	83	0.00
39 T	Methylcyclohexane	0.578	0.582	-0.7	78	0.00
40 TM	Benzene	1.387	1.399	-0.9	82	0.00
41 T	Methacrylonitrile	0.283	0.323	-14.1	86	0.00
42 TM	1,2-Dichloroethane	0.557	0.598	-7.4	87	0.00
43 T	Isopropyl Acetate	0.880	1.001	-13.7	90	0.00
44 TM	Trichloroethene	0.393	0.358	8.9	84	0.00
45 C	1,2-Dichloropropane	0.340	0.365	-7.4#	86	0.00
46 T	Dibromomethane	0.269	0.294	-9.3	88	0.00
47 T	Bromodichloromethane	0.482	0.545	-13.1	88	0.00
48 T	Methyl methacrylate	0.422	0.467	-10.7	88	0.00

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 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 LabSampleId :
 VSTDCCC050

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 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 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	0.008	0.007	12.5	72	0.00
50 S	Toluene-d8	1.232	1.265	-2.7	101	0.00
51 T	4-Methyl-2-Pentanone	0.537	0.657	-22.3	95	0.00
52 CM	Toluene	0.830	0.892	-7.5#	85	0.00
53 T	t-1,3-Dichloropropene	0.491	0.566	-15.3	87	0.00
54 T	cis-1,3-Dichloropropene	0.539	0.591	-9.6	85	0.00
55 T	1,1,2-Trichloroethane	0.343	0.382	-11.4	90	0.00
56 T	Ethyl methacrylate	0.534	0.635	-18.9	91	0.00
57 T	1,3-Dichloropropane	0.577	0.639	-10.7	90	0.00
58 T	2-Chloroethyl Vinyl ether	0.273	0.296	-8.4	85	0.00
59 T	2-Hexanone	0.403	0.515	-27.8#	96	0.00
60 T	Dibromochloromethane	0.344	0.401	-16.6	89	0.00
61 T	1,2-Dibromoethane	0.346	0.404	-16.8	92	0.00
62 S	4-Bromofluorobenzene	0.419	0.460	-9.8	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
64 T	Tetrachloroethene	0.330	0.336	-1.8	85	0.00
65 PM	Chlorobenzene	1.098	1.144	-4.2	88	0.00
66 T	1,1,1,2-Tetrachloroethane	0.356	0.410	-15.2	91	0.00
67 C	Ethyl Benzene	1.861	2.022	-8.7#	88	0.00
68 T	m/p-Xylenes	0.694	0.751	-8.2	87	0.00
69 T	o-Xylene	0.678	0.748	-10.3	87	0.00
70 T	Styrene	1.121	1.260	-12.4	88	0.00
71 P	Bromoform	0.240	0.284	-18.3	88	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73 T	Isopropylbenzene	3.843	4.048	-5.3	90	0.00
74 T	N-amyl acetate	1.780	2.047	-15.0	93	0.00
75 P	1,1,2,2-Tetrachloroethane	1.316	1.422	-8.1	93	0.00
76 T	1,2,3-Trichloropropane	1.096	1.212	-10.6	93	0.00
77 T	Bromobenzene	0.917	0.955	-4.1	89	0.00
78 T	n-propylbenzene	4.293	4.651	-8.3	89	0.00
79 T	2-Chlorotoluene	2.714	2.848	-4.9	91	0.00
80 T	1,3,5-Trimethylbenzene	3.162	3.403	-7.6	90	0.00
81 T	trans-1,4-Dichloro-2-butene	0.402	0.420	-4.5	86	0.00
82 T	4-Chlorotoluene	3.064	3.312	-8.1	90	0.00
83 T	tert-Butylbenzene	3.134	3.472	-10.8	92	0.00
84 T	1,2,4-Trimethylbenzene	3.148	3.437	-9.2	91	0.00
85 T	sec-Butylbenzene	3.840	4.267	-11.1	91	0.00
86 T	p-Isopropyltoluene	3.119	3.567	-14.4	92	0.00
87 T	1,3-Dichlorobenzene	1.670	1.754	-5.0	90	0.00
88 T	1,4-Dichlorobenzene	1.702	1.759	-3.3	90	0.00
89 T	n-Butylbenzene	2.750	3.112	-13.2	89	0.00
90 T	Hexachloroethane	0.530	0.559	-5.5	86	0.00
91 T	1,2-Dichlorobenzene	1.685	1.803	-7.0	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.264	0.303	-14.8	97	0.00
93 T	1,2,4-Trichlorobenzene	0.994	1.061	-6.7	89	0.00
94 T	Hexachlorobutadiene	0.393	0.430	-9.4	95	0.00
95 T	Naphthalene	3.576	4.190	-17.2	95	0.00

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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LabSampleId :
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Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.115	-10.8	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	87	0.00
2 T	Dichlorodifluoromethane	50.000	41.618	16.8	67	0.00
3 P	Chloromethane	50.000	42.716	14.6	71	0.00
4 C	Vinyl Chloride	50.000	44.323	11.4#	72	0.00
5 T	Bromomethane	50.000	52.201	-4.4	89	0.00
6 T	Chloroethane	50.000	49.095	1.8	81	0.00
7 T	Trichlorofluoromethane	50.000	55.927	-11.9	91	0.00
8 T	Diethyl Ether	50.000	50.549	-1.1	86	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.083	-0.2	80	0.00
10 T	Methyl Iodide	50.000	49.465	1.1	81	0.00
11 T	Tert butyl alcohol	250.000	251.566	-0.6	84	0.00
12 CM	1,1-Dichloroethene	50.000	45.885	8.2#	77	0.00
13 T	Acrolein	250.000	289.842	-15.9	101	0.00
14 T	Allyl chloride	50.000	50.451	-0.9	80	0.00
15 T	Acrylonitrile	250.000	279.648	-11.9	89	0.00
16 T	Acetone	250.000	290.702	-16.3	94	0.00
17 T	Carbon Disulfide	50.000	40.453	19.1	65	0.00
18 T	Methyl Acetate	50.000	55.695	-11.4	90	0.00
19 T	Methyl tert-butyl Ether	50.000	53.378	-6.8	86	0.00
20 T	Methylene Chloride	50.000	47.664	4.7	83	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.196	3.6	79	0.00
22 T	Diisopropyl ether	50.000	53.030	-6.1	86	0.00
23 T	Vinyl Acetate	250.000	273.194	-9.3	85	0.00
24 P	1,1-Dichloroethane	50.000	50.716	-1.4	82	0.00
25 T	2-Butanone	250.000	295.530	-18.2	93	0.00
26 T	2,2-Dichloropropane	50.000	52.181	-4.4	84	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.935	-1.9	83	0.00
28 T	Bromochloromethane	50.000	47.802	4.4	95	0.00
29 T	Tetrahydrofuran	250.000	277.191	-10.9	89	0.00
30 C	Chloroform	50.000	51.884	-3.8#	86	0.00
31 T	Cyclohexane	50.000	48.357	3.3	78	0.00
32 T	1,1,1-Trichloroethane	50.000	53.075	-6.2	84	0.00
33 S	1,2-Dichloroethane-d4	50.000	51.166	-2.3	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	88	0.00
35 S	Dibromofluoromethane	50.000	52.308	-4.6	100	0.00
36 T	1,1-Dichloropropene	50.000	51.492	-3.0	82	0.00
37 T	Ethyl Acetate	50.000	57.521	-15.0	91	0.00
38 T	Carbon Tetrachloride	50.000	52.842	-5.7	83	0.00
39 T	Methylcyclohexane	50.000	50.287	-0.6	78	0.00
40 TM	Benzene	50.000	50.434	-0.9	82	0.00
41 T	Methacrylonitrile	50.000	57.147	-14.3	86	0.00
42 TM	1,2-Dichloroethane	50.000	53.674	-7.3	87	0.00
43 T	Isopropyl Acetate	50.000	56.898	-13.8	90	0.00
44 TM	Trichloroethene	50.000	45.635	8.7	84	0.00
45 C	1,2-Dichloropropane	50.000	53.666	-7.3#	86	0.00
46 T	Dibromomethane	50.000	54.728	-9.5	88	0.00
47 T	Bromodichloromethane	50.000	56.513	-13.0	88	0.00
48 T	Methyl methacrylate	50.000	55.319	-10.6	88	0.00

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	892.162	10.8	72	0.00
50 S	Toluene-d8	50.000	51.339	-2.7	101	0.00
51 T	4-Methyl-2-Pentanone	250.000	305.931	-22.4	95	0.00
52 CM	Toluene	50.000	53.762	-7.5#	85	0.00
53 T	t-1,3-Dichloropropene	50.000	57.607	-15.2	87	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.845	-9.7	85	0.00
55 T	1,1,2-Trichloroethane	50.000	55.687	-11.4	90	0.00
56 T	Ethyl methacrylate	50.000	59.532	-19.1	91	0.00
57 T	1,3-Dichloropropane	50.000	55.393	-10.8	90	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	253.403	-1.4	85	0.00
59 T	2-Hexanone	250.000	319.041	-27.6#	96	0.00
60 T	Dibromochloromethane	50.000	58.369	-16.7	89	0.00
61 T	1,2-Dibromoethane	50.000	58.300	-16.6	92	0.00
62 S	4-Bromofluorobenzene	50.000	54.890	-9.8	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	88	0.00
64 T	Tetrachloroethene	50.000	51.016	-2.0	85	0.00
65 PM	Chlorobenzene	50.000	52.077	-4.2	88	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	57.592	-15.2	91	0.00
67 C	Ethyl Benzene	50.000	54.326	-8.7#	88	0.00
68 T	m/p-Xylenes	100.000	108.164	-8.2	87	0.00
69 T	o-Xylene	50.000	55.165	-10.3	87	0.00
70 T	Styrene	50.000	56.223	-12.4	88	0.00
71 P	Bromoform	50.000	52.273	-4.5	88	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73 T	Isopropylbenzene	50.000	52.666	-5.3	90	0.00
74 T	N-amyl acetate	50.000	57.486	-15.0	93	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	54.025	-8.0	93	0.00
76 T	1,2,3-Trichloropropane	50.000	55.278	-10.6	93	0.00
77 T	Bromobenzene	50.000	52.056	-4.1	89	0.00
78 T	n-propylbenzene	50.000	54.176	-8.4	89	0.00
79 T	2-Chlorotoluene	50.000	52.453	-4.9	91	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.818	-7.6	90	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.317	-4.6	86	0.00
82 T	4-Chlorotoluene	50.000	54.037	-8.1	90	0.00
83 T	tert-Butylbenzene	50.000	55.384	-10.8	92	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.591	-9.2	91	0.00
85 T	sec-Butylbenzene	50.000	55.564	-11.1	91	0.00
86 T	p-Isopropyltoluene	50.000	57.182	-14.4	92	0.00
87 T	1,3-Dichlorobenzene	50.000	52.521	-5.0	90	0.00
88 T	1,4-Dichlorobenzene	50.000	51.665	-3.3	90	0.00
89 T	n-Butylbenzene	50.000	56.576	-13.2	89	0.00
90 T	Hexachloroethane	50.000	52.654	-5.3	86	0.00
91 T	1,2-Dichlorobenzene	50.000	53.506	-7.0	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	57.434	-14.9	97	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.404	-6.8	89	0.00
94 T	Hexachlorobutadiene	50.000	54.716	-9.4	95	0.00
95 T	Naphthalene	50.000	58.572	-17.1	95	0.00

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Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	55.461	-10.9	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



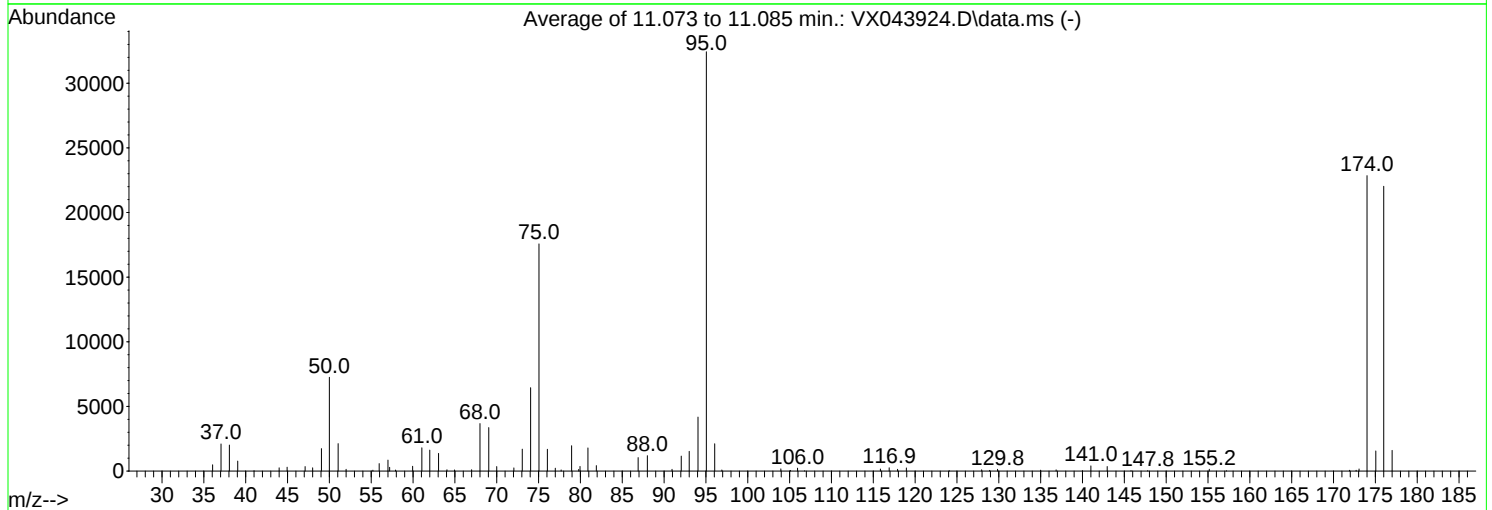
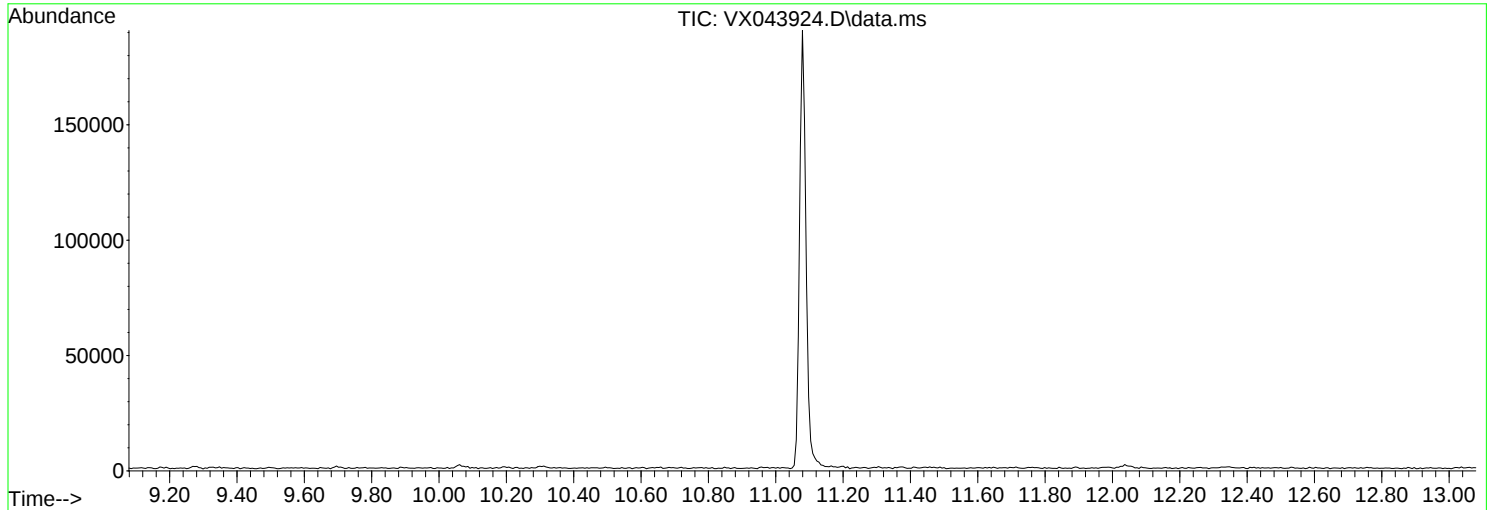
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043924.D
Acq On : 21 Nov 2024 08:51
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Title : SW846 8260
Last Update : Fri Nov 22 00:18:05 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

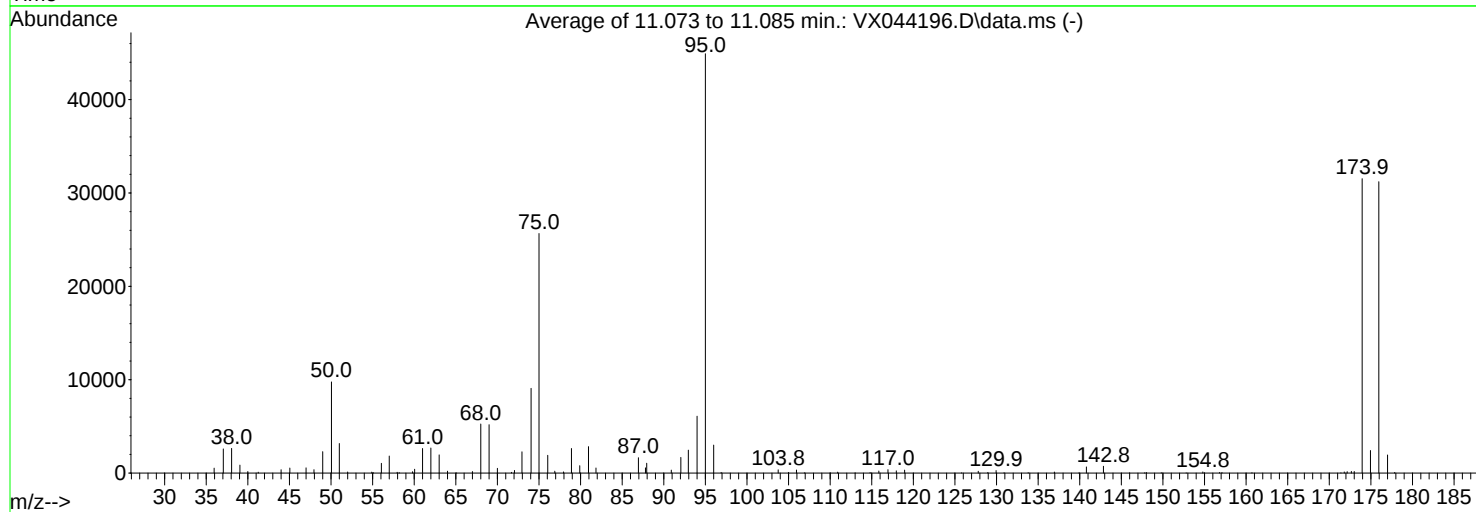
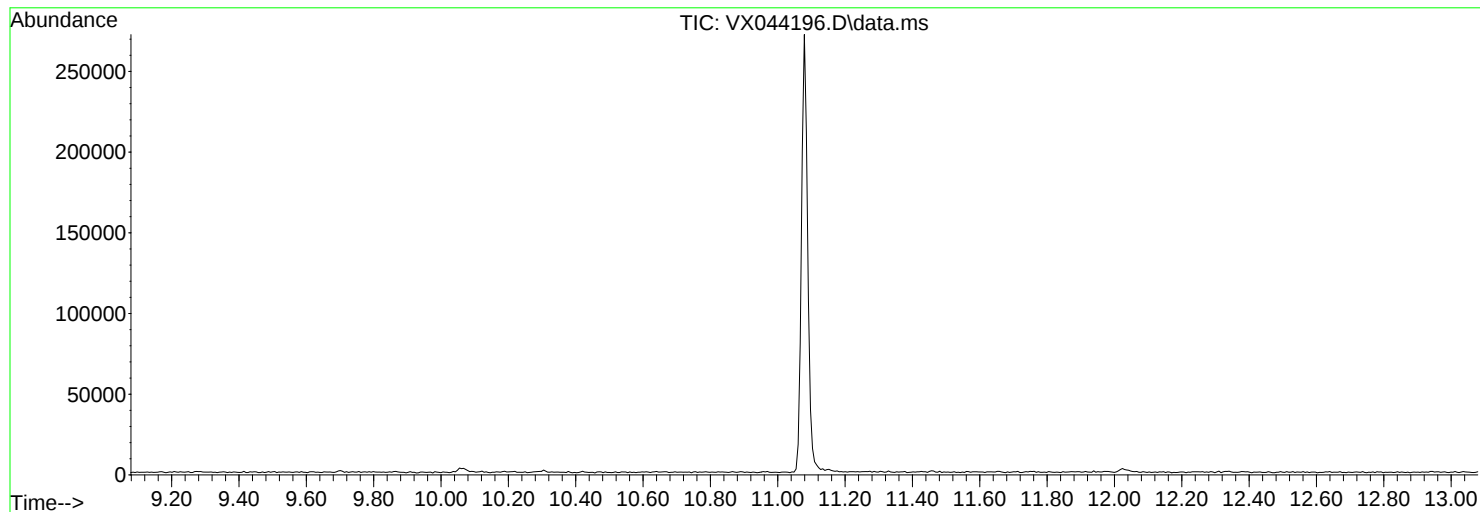
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	7254	PASS
75	95	30	60	54.2	17573	PASS
95	95	100	100	100.0	32437	PASS
96	95	5	9	6.5	2112	PASS
173	174	0.00	2	0.7	162	PASS
174	95	50	100	70.5	22853	PASS
175	174	5	9	6.8	1557	PASS
176	174	95	101	96.4	22030	PASS
177	176	5	9	7.3	1600	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044196.D
Acq On : 10 Dec 2024 09:01
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\82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	9765	PASS
75	95	30	60	57.1	25659	PASS
95	95	100	100	100.0	44912	PASS
96	95	5	9	6.7	2997	PASS
173	174	0.00	2	0.6	175	PASS
174	95	50	100	70.2	31531	PASS
175	174	5	9	7.7	2414	PASS
176	174	95	101	99.0	31205	PASS
177	176	5	9	6.2	1936	PASS

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point	Date Received:	
Client Sample ID:	VX1210WBL01	SDG No.:	P5224
Lab Sample ID:	VX1210WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044199.D	1		12/10/24 11:35	VX121024

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
75-35-4	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
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point	Date Received:	
Client Sample ID:	VX1210WBL01	SDG No.:	P5224
Lab Sample ID:	VX1210WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044199.D	1		12/10/24 11:35	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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	49.7		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		70 (75) - 130 (124)	93%	SPK: 50
2037-26-5	Toluene-d8	49.1		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	110000	5.544			
540-36-3	1,4-Difluorobenzene	208000	6.757			
3114-55-4	Chlorobenzene-d5	179000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	71500	12.018			

Report of Analysis

Client:	ENTACT		Date Collected:	
Project:	North Point		Date Received:	
Client Sample ID:	VX1210WBL01		SDG No.:	P5224
Lab Sample ID:	VX1210WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044199.D	1		12/10/24 11:35	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX121024\
 Data File : VX044199.D
 Acq On : 10 Dec 2024 11:35
 Operator : JC/MD
 Sample : VX1210WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBL01

Quant Time: Dec 11 01:27:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	110263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	207593	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	94012	49.710	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.420%
35) Dibromofluoromethane	5.385	113	68829	46.401	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.800%
50) Toluene-d8	8.647	98	251203	49.128	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.260%
62) 4-Bromofluorobenzene	11.079	95	82733	47.543	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.080%

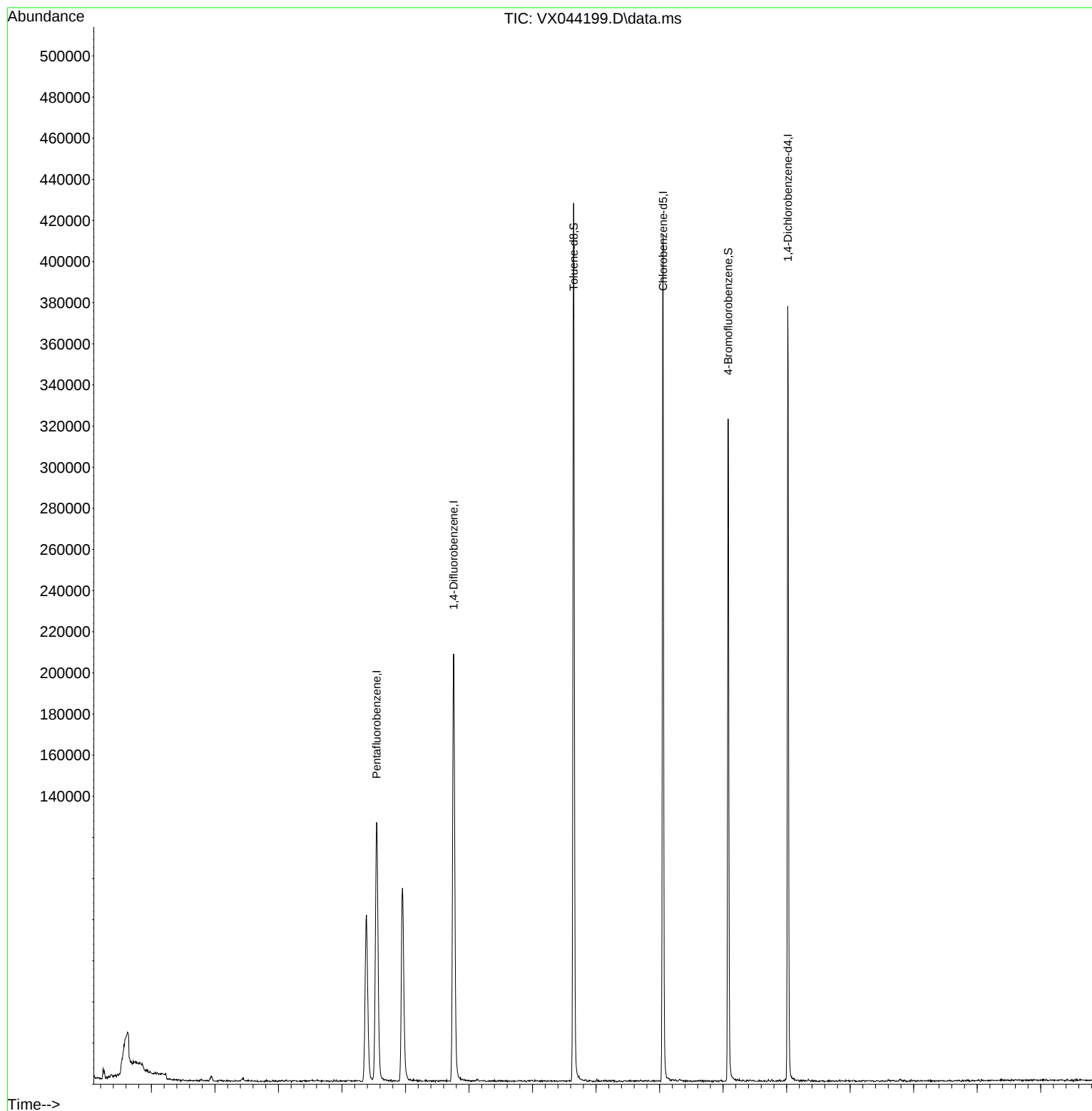
Target Compounds Qvalue

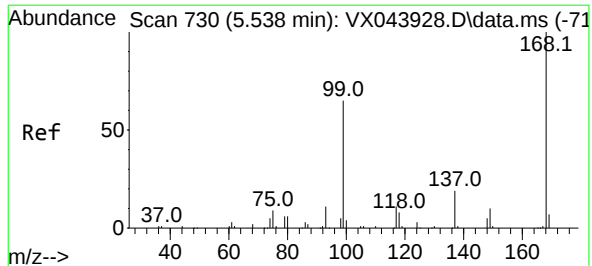
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044199.D
Acq On : 10 Dec 2024 11:35
Operator : JC/MD
Sample : VX1210WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Quant Time: Dec 11 01:27:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.006 min

Lab File: VX044199.D

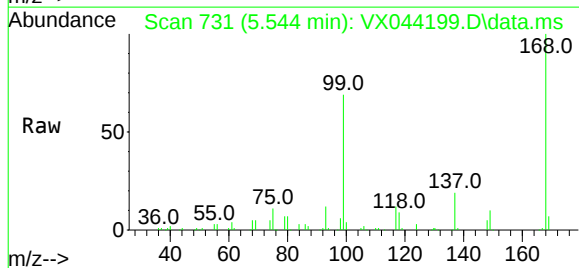
Acq: 10 Dec 2024 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL01

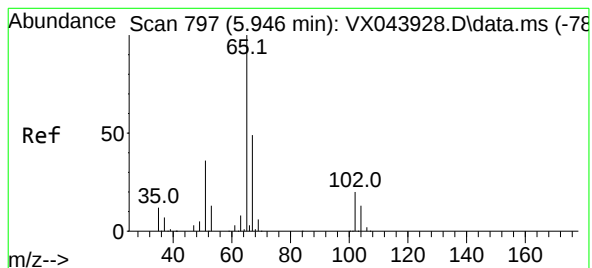
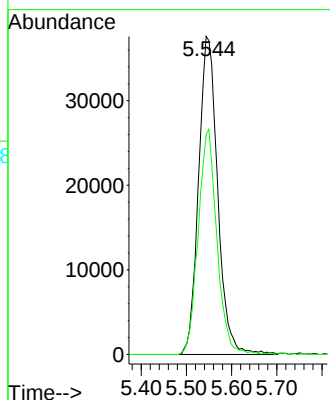
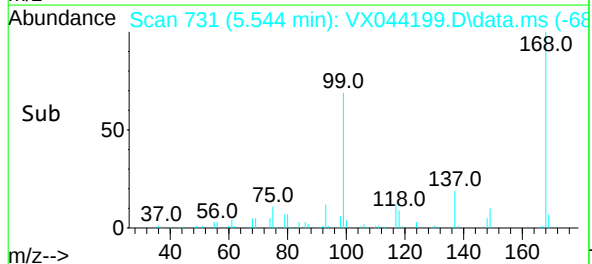


Tgt Ion:168 Resp: 110263

Ion Ratio Lower Upper

168 100

99 69.2 51.8 77.8



#33

1,2-Dichloroethane-d4

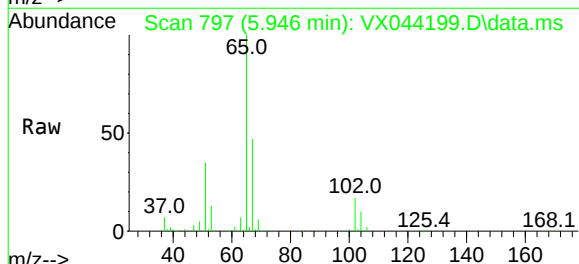
Concen: 49.710 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

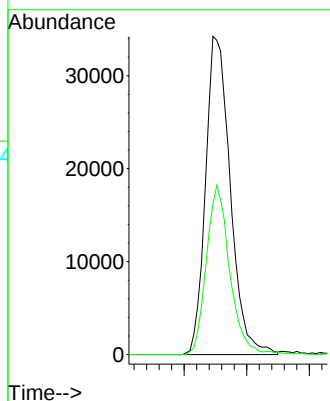
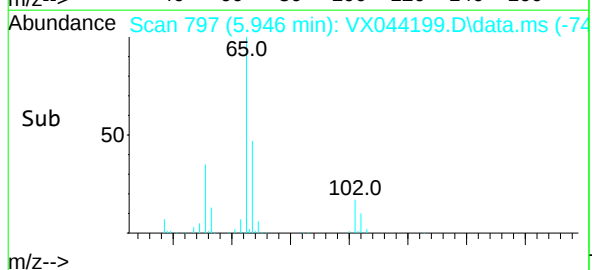


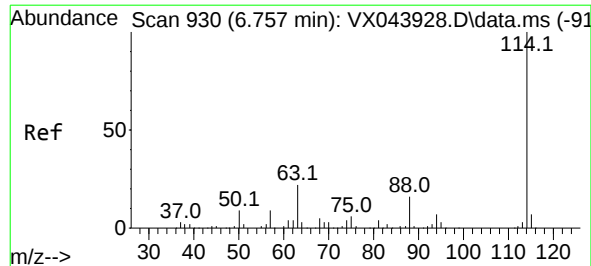
Tgt Ion: 65 Resp: 94012

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 93

Delta R.T. -0.000 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL01

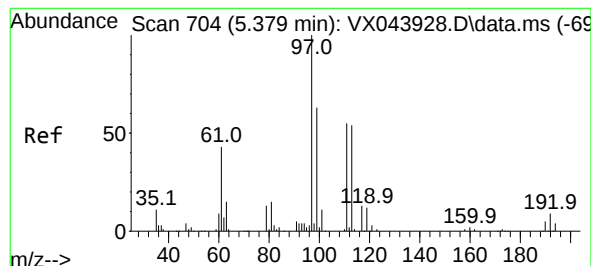
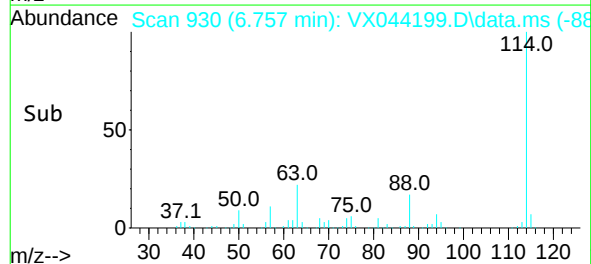
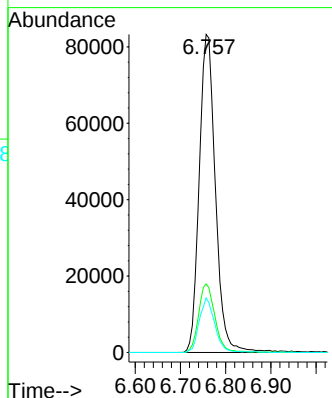
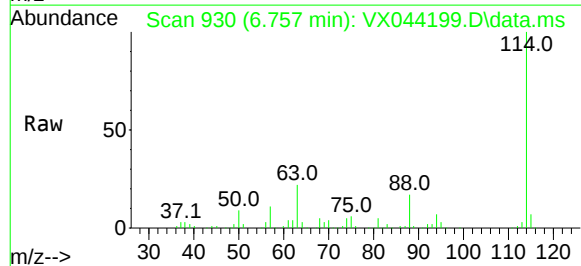
Tgt Ion:114 Resp: 207593

Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.0

88 17.2 0.0 32.4



#35

Dibromofluoromethane

Concen: 46.401 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

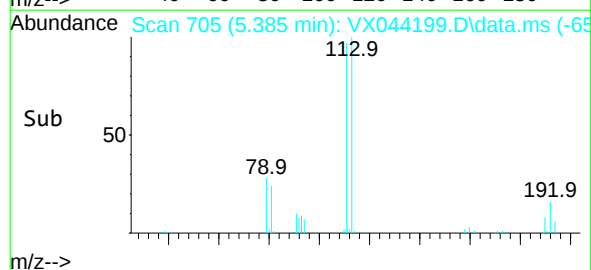
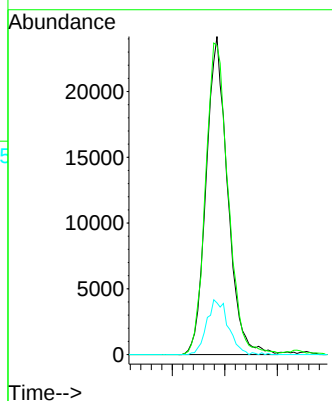
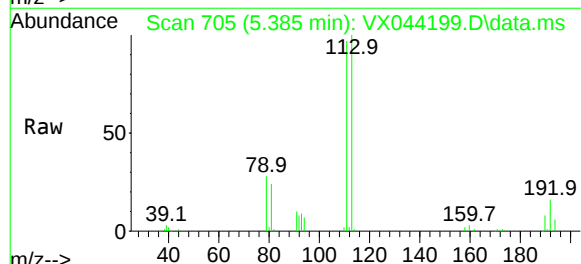
Tgt Ion:113 Resp: 68829

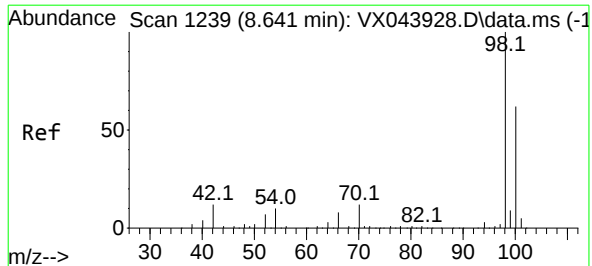
Ion Ratio Lower Upper

113 100

111 103.0 81.0 121.4

192 17.3 13.0 19.6





#50

Toluene-d8

Concen: 49.128 ug/l

RT: 8.647 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VX044199.D

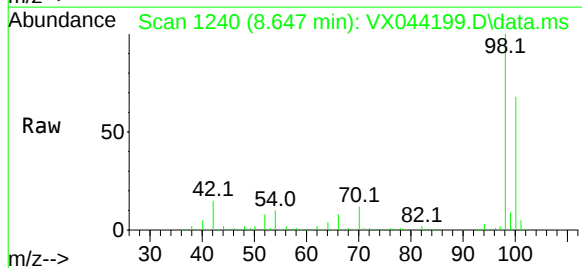
Acq: 10 Dec 2024 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL01

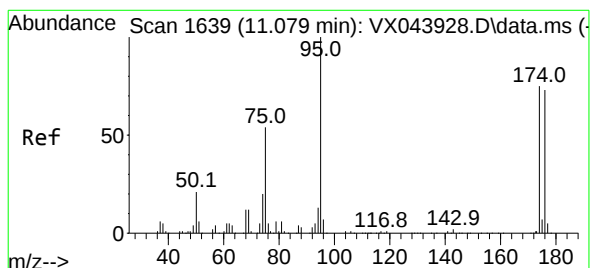
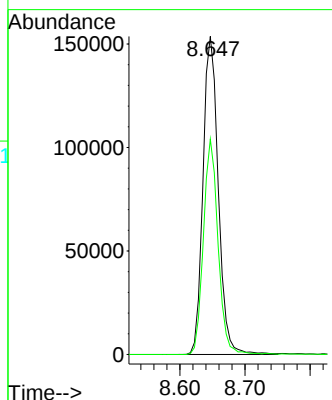
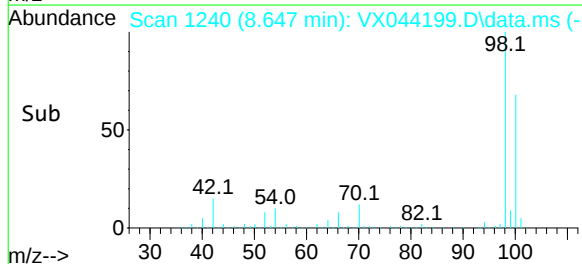


Tgt Ion: 98 Resp: 251203

Ion Ratio Lower Upper

98 100

100 64.6 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 47.543 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

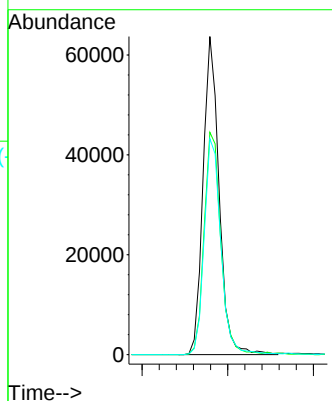
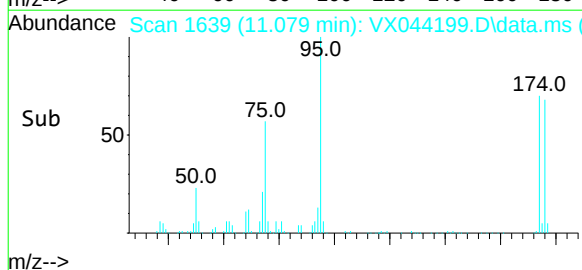
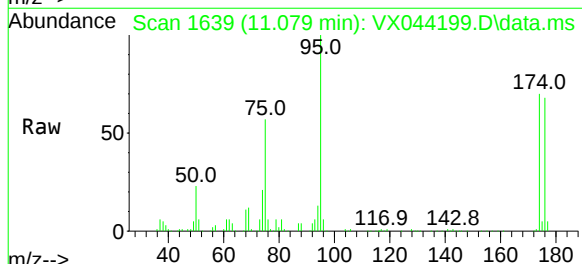
Tgt Ion: 95 Resp: 82733

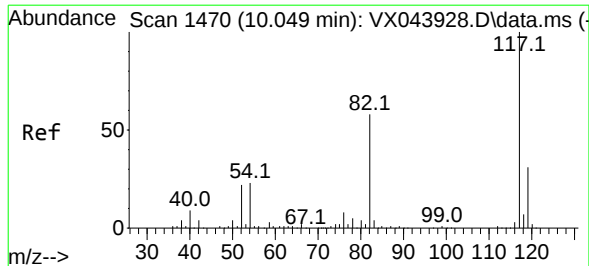
Ion Ratio Lower Upper

95 100

174 72.6 0.0 150.4

176 70.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL01

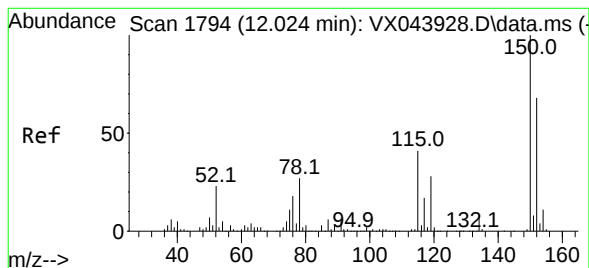
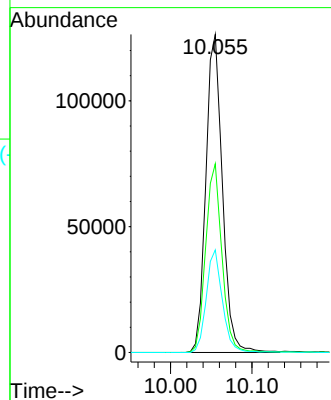
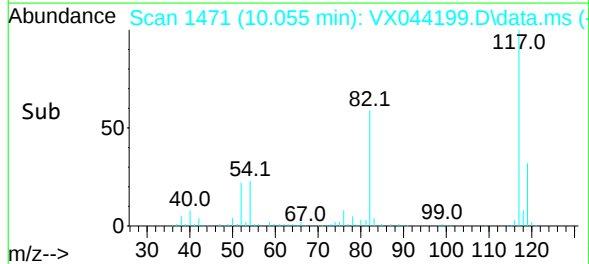
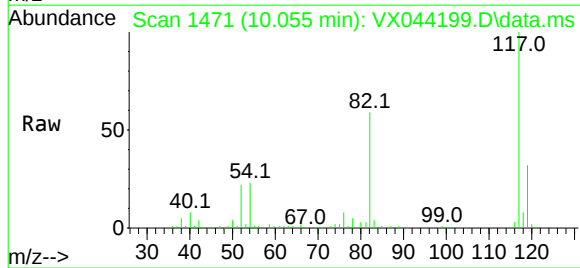
Tgt Ion:117 Resp: 178508

Ion Ratio Lower Upper

117 100

82 59.3 46.4 69.6

119 32.2 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

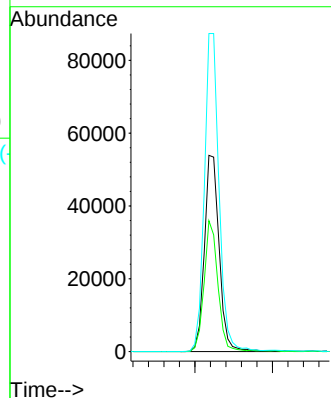
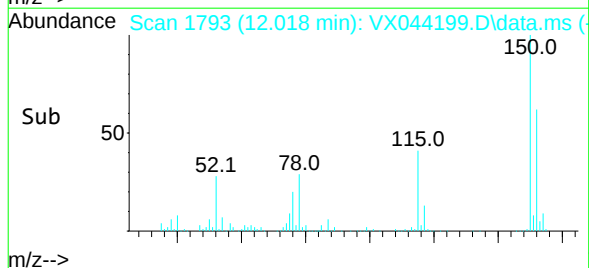
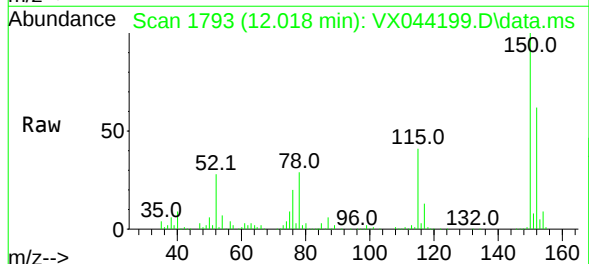
Tgt Ion:152 Resp: 71476

Ion Ratio Lower Upper

152 100

115 62.7 45.4 136.2

150 160.5 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044199.D
 Acq On : 10 Dec 2024 11:35
 Operator : JC/MD
 Sample : VX1210WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBL01

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\82X112124W.M
 Title : SW846 8260

Signal : TIC: VX044199.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.624	68	88	93	rBV4	20395	114902	16.66%	3.133%
2	5.385	694	705	720	rBV	80982	239404	34.71%	6.527%
3	5.544	720	731	750	rVB	125415	369489	53.57%	10.074%
4	5.952	789	798	814	rBV3	93852	258444	37.47%	7.046%
5	6.757	921	930	947	rBV	207942	511228	74.12%	13.938%
6	8.647	1233	1240	1253	rBV	426957	689704	100.00%	18.804%
7	10.055	1465	1471	1481	rBV	412117	586989	85.11%	16.003%
8	11.079	1634	1639	1647	rBV	321723	418093	60.62%	11.399%
9	12.018	1788	1793	1804	rBV	376260	479656	69.55%	13.077%

Sum of corrected areas: 3667909

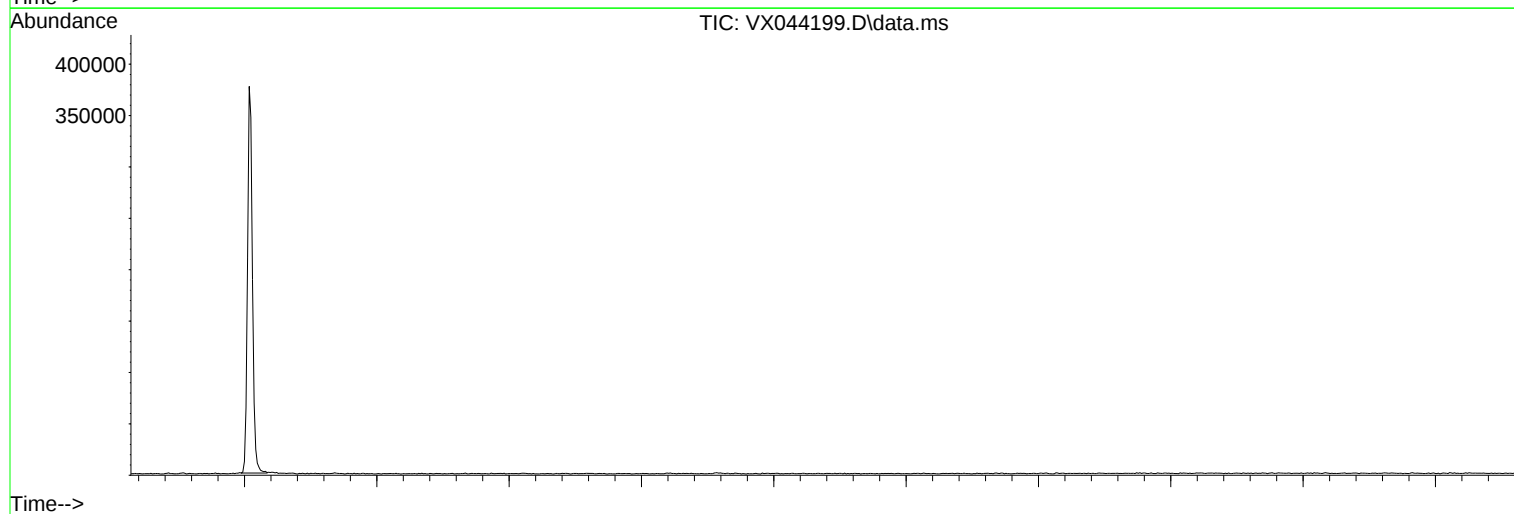
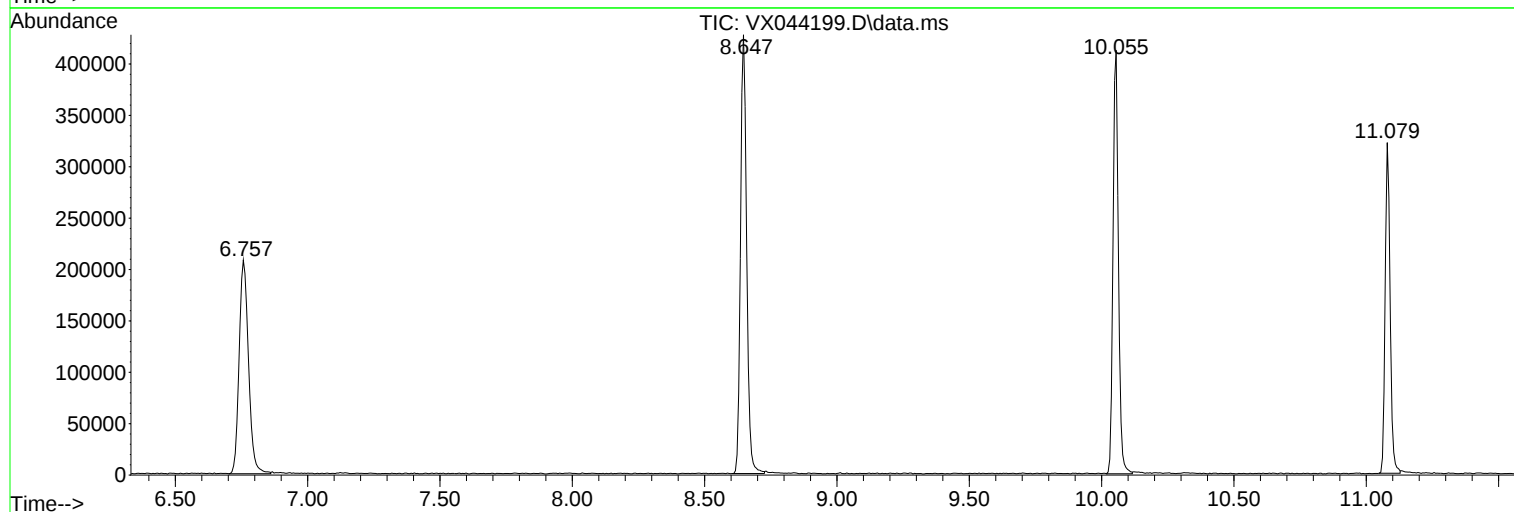
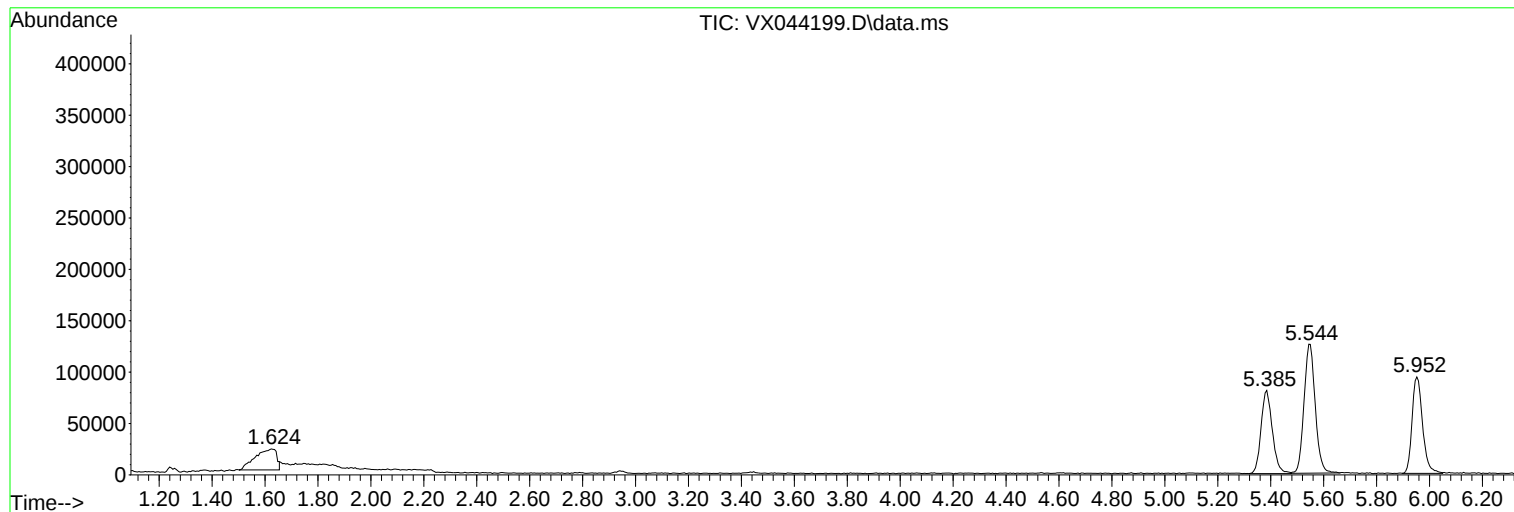
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044199.D
Acq On : 10 Dec 2024 11:35
Operator : JC/MD
Sample : VX1210WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044199.D
Acq On : 10 Dec 2024 11:35
Operator : JC/MD
Sample : VX1210WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.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\VX121024\
Data File : VX044199.D
Acq On : 10 Dec 2024 11:35
Operator : JC/MD
Sample : VX1210WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point	Date Received:	
Client Sample ID:	VX1210WBS01	SDG No.:	P5224
Lab Sample ID:	VX1210WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044201.D	1		12/10/24 12:22	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	15.1		0.21	1.00	ug/L
74-87-3	Chloromethane	15.9		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.7		0.34	1.00	ug/L
74-83-9	Bromomethane	20.3		1.40	5.00	ug/L
75-00-3	Chloroethane	21.4		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	1.00	ug/L
67-64-1	Acetone	91.1		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	12.9		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.4		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	17.6		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.7		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.3		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.3		0.18	1.00	ug/L
67-66-3	Chloroform	20.1		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	16.8		0.19	1.00	ug/L
71-43-2	Benzene	19.0		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.24	1.00	ug/L
79-01-6	Trichloroethene	16.4		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.7		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	19.9		0.18	1.00	ug/L

Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	North Point			Date Received:	
Client Sample ID:	VX1210WBS01			SDG No.:	P5224
Lab Sample ID:	VX1210WBS01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044201.D	1		12/10/24 12:22	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.8		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.8		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	18.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.6		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.9		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	40.3		0.31	2.00	ug/L
95-47-6	o-Xylene	20.3		0.14	1.00	ug/L
100-42-5	Styrene	20.2		0.16	1.00	ug/L
75-25-2	Bromoform	17.7		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	20.1		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.7		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	143000	5.544			
540-36-3	1,4-Difluorobenzene	255000	6.757			
3114-55-4	Chlorobenzene-d5	218000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	101000	12.024			

Report of Analysis

Client:	ENTACT			Date Collected:			
Project:	North Point			Date Received:			
Client Sample ID:	VX1210WBS01			SDG No.:	P5224		
Lab Sample ID:	VX1210WBS01			Matrix:	Water		
Analytical Method:	SW8260			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:	uL			Test:	VOC-TCLVOA-10		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044201.D	1		12/10/24 12:22	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX121024\
 Data File : VX044201.D
 Acq On : 10 Dec 2024 12:22
 Operator : JC/MD
 Sample : VX1210WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/11/2024
 Supervised By : Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:28:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	143461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	255477	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101326	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	129362	52.573	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.140%
35) Dibromofluoromethane	5.379	113	92918	50.900	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.800%
50) Toluene-d8	8.647	98	311978	49.578	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.160%
62) 4-Bromofluorobenzene	11.079	95	110798	51.736	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.480%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.167	85	27516	15.140	ug/l 99
3) Chloromethane	1.295	50	30484	15.939	ug/l 97
4) Vinyl Chloride	1.374	62	36016	17.705	ug/l 97
5) Bromomethane	1.593	94	25357	20.263	ug/l 99
6) Chloroethane	1.666	64	26478	21.362	ug/l 99
7) Trichlorofluoromethane	1.868	101	69776	19.186	ug/l 95
8) Diethyl Ether	2.130	74	26007	19.620	ug/l 99
9) 1,1,2-Trichlorotrifluo...	2.313	101	31317	18.052	ug/l 98
10) Methyl Iodide	2.441	142	40131	18.522	ug/l 97
11) Tert butyl alcohol	2.989	59	32534	82.375	ug/l 97
12) 1,1-Dichloroethene	2.307	96	29004	17.545	ug/l 99
13) Acrolein	2.240	56	29903	71.832	ug/l 98
14) Allyl chloride	2.654	41	47939	17.748	ug/l 96
15) Acrylonitrile	3.069	53	97496	101.298	ug/l 99
16) Acetone	2.386	43	102985	91.126	ug/l 100
17) Carbon Disulfide	2.502	76	43919	12.880	ug/l 99
18) Methyl Acetate	2.709	43	53732	20.416	ug/l 98
19) Methyl tert-butyl Ether	3.117	73	122196	20.358	ug/l 97
20) Methylene Chloride	2.782	84	35205	18.357	ug/l 96
21) trans-1,2-Dichloroethene	3.087	96	30038	17.600	ug/l 98
22) Diisopropyl ether	3.764	45	114408	19.808	ug/l 92
23) Vinyl Acetate	3.721	43	487174	98.600	ug/l 99
24) 1,1-Dichloroethane	3.605	63	64095	19.236	ug/l 98
25) 2-Butanone	4.562	43	149041	102.207	ug/l 100
26) 2,2-Dichloropropane	4.471	77	54378	18.070	ug/l 99
27) cis-1,2-Dichloroethene	4.489	96	40454	19.176	ug/l 98
28) Bromochloromethane	4.898	49	31279	21.326	ug/l 98
29) Tetrahydrofuran	5.013	42	91295	102.121	ug/l 99
30) Chloroform	5.093	83	71902	20.063	ug/l 99
31) Cyclohexane	5.465	56	48485	17.680	ug/l 97
32) 1,1,1-Trichloroethane	5.379	97	62516	20.229	ug/l 99
36) 1,1-Dichloropropene	5.684	75	42707	18.774	ug/l 99
37) Ethyl Acetate	4.721	43	56223	19.911	ug/l 98
38) Carbon Tetrachloride	5.666	117	46733	18.283	ug/l 96
39) Methylcyclohexane	7.379	83	49682	16.811	ug/l 95
40) Benzene	6.032	78	134799	19.024	ug/l 99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044201.D
 Acq On : 10 Dec 2024 12:22
 Operator : JC/MD
 Sample : VX1210WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/11/2024
 Supervised By : Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:28:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	30829	21.331	ug/l	95
42) 1,2-Dichloroethane	6.086	62	57506	20.207	ug/l	99
43) Isopropyl Acetate	6.342	43	92107	20.496	ug/l	99
44) Trichloroethene	7.123	130	32850	16.377	ug/l	96
45) 1,2-Dichloropropane	7.434	63	34167	19.687	ug/l	94
46) Dibromomethane	7.580	93	27883	20.310	ug/l	99
47) Bromodichloromethane	7.818	83	49215	19.988	ug/l	98
48) Methyl methacrylate	7.696	41	43021	19.951	ug/l	99
49) 1,4-Dioxane	7.665	88	9854	256.541	ug/l #	38
51) 4-Methyl-2-Pentanone	8.574	43	301689	110.009	ug/l	98
52) Toluene	8.720	92	84219	19.858	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	47285	18.833	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	51841	18.834	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	35301	20.164	ug/l	98
56) Ethyl methacrylate	9.116	69	55856	20.483	ug/l	97
57) 1,3-Dichloropropane	9.305	76	60589	20.545	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	123591	82.064	ug/l	97
59) 2-Hexanone	9.433	43	221552	107.484	ug/l	100
60) Dibromochloromethane	9.519	129	33007	18.791	ug/l	95
61) 1,2-Dibromoethane	9.610	107	36436	20.583	ug/l	99
64) Tetrachloroethene	9.275	164	28559	19.902	ug/l	97
65) Chlorobenzene	10.080	112	93648	19.593	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	31344	20.220	ug/l	97
67) Ethyl Benzene	10.195	91	161984	20.000	ug/l	100
68) m/p-Xylenes	10.299	106	121841	40.339	ug/l	98
69) o-Xylene	10.640	106	59823	20.286	ug/l	98
70) Styrene	10.653	104	98764	20.249	ug/l	98
71) Bromoform	10.799	173	19230	17.726	ug/l #	98
73) Isopropylbenzene	10.964	105	156270	20.063	ug/l	100
74) N-amyl acetate	10.842	43	72802	20.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	55313	20.740	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	45635m	20.537	ug/l	
77) Bromobenzene	11.195	156	36322	19.549	ug/l	99
78) n-propylbenzene	11.305	91	169125	19.442	ug/l	100
79) 2-Chlorotoluene	11.366	91	109815	19.964	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	129646	20.232	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	13258	16.281	ug/l	88
82) 4-Chlorotoluene	11.451	91	124570	20.059	ug/l	98
83) tert-Butylbenzene	11.713	119	130260	20.509	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	133139	20.869	ug/l	98
85) sec-Butylbenzene	11.890	105	156966	20.171	ug/l	99
86) p-Isopropyltoluene	12.006	119	131174	20.752	ug/l	99
87) 1,3-Dichlorobenzene	11.970	146	64387	19.027	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	66782	19.356	ug/l	98
89) n-Butylbenzene	12.335	91	108826	19.527	ug/l	98
90) Hexachloroethane	12.536	117	18615	17.319	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	67188	19.674	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10196	19.080	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	34977	17.372	ug/l	94
94) Hexachlorobutadiene	13.725	225	14782	18.576	ug/l	99
95) Naphthalene	13.774	128	143097	19.744	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	38793	19.036	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044201.D
Acq On : 10 Dec 2024 12:22
Operator : JC/MD
Sample : VX1210WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:28:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

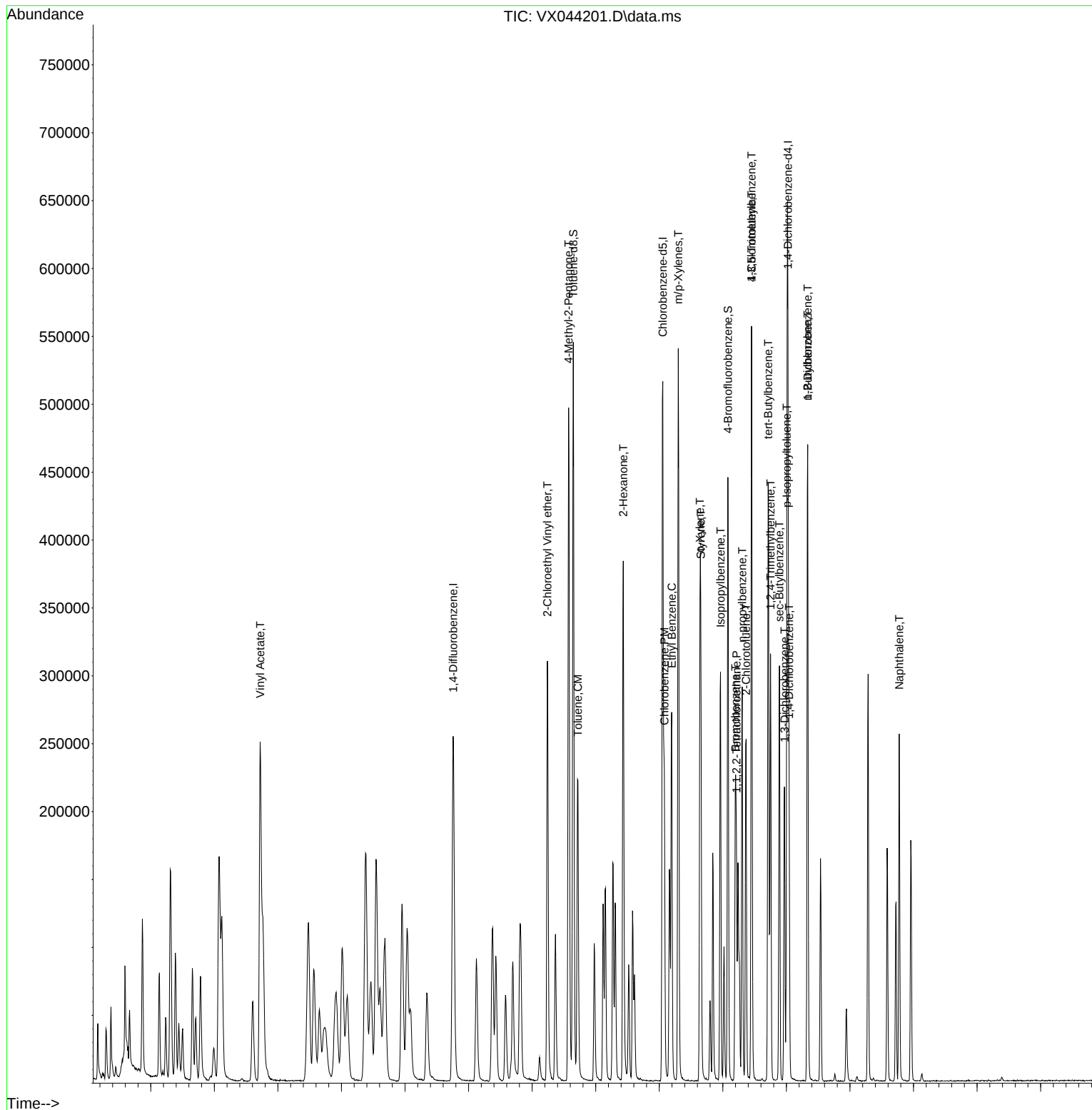
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044201.D
Acq On : 10 Dec 2024 12:22
Operator : JC/MD
Sample : VX1210WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/11/2024
Supervised By : Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:28:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	North Point			Date Received:	
Client Sample ID:	VX1210WBSD01			SDG No.:	P5224
Lab Sample ID:	VX1210WBSD01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044202.D	1		12/10/24 12:52	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.0		0.21	1.00	ug/L
74-87-3	Chloromethane	17.1		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.5		0.34	1.00	ug/L
74-83-9	Bromomethane	21.9		1.40	5.00	ug/L
75-00-3	Chloroethane	22.5		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	23.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	1.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	13.8		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.9		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.4		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.2		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.6		1.60	5.00	ug/L
78-93-3	2-Butanone	120		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	17.6		0.18	1.00	ug/L
67-66-3	Chloroform	21.5		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.6		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.1		0.19	1.00	ug/L
71-43-2	Benzene	21.0		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	23.1		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.9		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	21.6		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	5.00	ug/L
108-88-3	Toluene	22.2		0.18	1.00	ug/L

Report of Analysis

Client:	ENTACT		Date Collected:	
Project:	North Point		Date Received:	
Client Sample ID:	VX1210WBSD01		SDG No.:	P5224
Lab Sample ID:	VX1210WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044202.D	1		12/10/24 12:52	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	21.7		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.9		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	23.1		0.21	1.00	ug/L
591-78-6	2-Hexanone	130		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	20.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.8		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.7		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	21.5		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	42.8		0.31	2.00	ug/L
95-47-6	o-Xylene	21.7		0.14	1.00	ug/L
100-42-5	Styrene	21.5		0.16	1.00	ug/L
75-25-2	Bromoform	18.9		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	21.8		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.3		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.3		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.1		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.5		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.5		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.3		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	21.0		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		70 (77) - 130 (121)	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	116000	5.544			
540-36-3	1,4-Difluorobenzene	202000	6.757			
3114-55-4	Chlorobenzene-d5	181000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	84400	12.024			

Report of Analysis

Client:	ENTACT		Date Collected:	
Project:	North Point		Date Received:	
Client Sample ID:	VX1210WBSD01		SDG No.:	P5224
Lab Sample ID:	VX1210WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044202.D	1		12/10/24 12:52	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX121024\
 Data File : VX044202.D
 Acq On : 10 Dec 2024 12:52
 Operator : JC/MD
 Sample : VX1210WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/11/2024
 Supervised By :Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:30:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	115787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	202181	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84444	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	101800	51.260	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.520%
35) Dibromofluoromethane	5.379	113	73858	51.124	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.240%
50) Toluene-d8	8.647	98	247708	49.741	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.480%
62) 4-Bromofluorobenzene	11.079	95	91245	53.838	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.680%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24877	16.960	ug/l	98
3) Chloromethane	1.294	50	26470	17.149	ug/l	98
4) Vinyl Chloride	1.374	62	30453	18.549	ug/l	98
5) Bromomethane	1.593	94	22136	21.917	ug/l	97
6) Chloroethane	1.660	64	22524	22.515	ug/l	98
7) Trichlorofluoromethane	1.868	101	67535	23.008	ug/l	98
8) Diethyl Ether	2.130	74	23834	22.278	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	28627	20.446	ug/l	99
10) Methyl Iodide	2.441	142	33391	19.095	ug/l	96
11) Tert butyl alcohol	2.995	59	25134	78.849	ug/l	96
12) 1,1-Dichloroethene	2.300	96	25440	19.068	ug/l	98
13) Acrolein	2.233	56	27685	82.399	ug/l	96
14) Allyl chloride	2.654	41	43455	19.933	ug/l	96
15) Acrylonitrile	3.069	53	88016	113.306	ug/l	98
16) Acetone	2.386	43	97721	107.135	ug/l	98
17) Carbon Disulfide	2.495	76	38043	13.823	ug/l	98
18) Methyl Acetate	2.703	43	48723	22.938	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	106166	21.915	ug/l	98
20) Methylene Chloride	2.782	84	30087	19.438	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	27805	20.185	ug/l	89
22) Diisopropyl ether	3.764	45	100921	21.649	ug/l	95
23) Vinyl Acetate	3.721	43	426634	106.985	ug/l	98
24) 1,1-Dichloroethane	3.599	63	55190	20.522	ug/l	97
25) 2-Butanone	4.568	43	137811	117.094	ug/l	99
26) 2,2-Dichloropropane	4.465	77	48918	20.141	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	34471	20.245	ug/l	96
28) Bromochloromethane	4.891	49	20865	17.626	ug/l	100
29) Tetrahydrofuran	5.013	42	82011	113.662	ug/l	99
30) Chloroform	5.086	83	62263	21.526	ug/l	95
31) Cyclohexane	5.464	56	43300	19.563	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	53900	21.609	ug/l	100
36) 1,1-Dichloropropene	5.690	75	37382	20.765	ug/l	98
37) Ethyl Acetate	4.721	43	52386	23.442	ug/l	98
38) Carbon Tetrachloride	5.672	117	41265	20.400	ug/l	100
39) Methylcyclohexane	7.373	83	46955	20.077	ug/l	98
40) Benzene	6.031	78	117731	20.995	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044202.D
 Acq On : 10 Dec 2024 12:52
 Operator : JC/MD
 Sample : VX1210WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/11/2024
 Supervised By : Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:30:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	26414	23.094	ug/l #	95
42) 1,2-Dichloroethane	6.086	62	52091	23.129	ug/l	99
43) Isopropyl Acetate	6.342	43	80971	22.768	ug/l	100
44) Trichloroethene	7.117	130	29767	18.751	ug/l	88
45) 1,2-Dichloropropane	7.428	63	30031	21.865	ug/l	97
46) Dibromomethane	7.580	93	23788	21.895	ug/l	98
47) Bromodichloromethane	7.818	83	42150	21.632	ug/l	98
48) Methyl methacrylate	7.690	41	37855	22.183	ug/l	99
49) 1,4-Dioxane	7.665	88	11055	363.676	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	269077	123.982	ug/l	97
52) Toluene	8.714	92	74598	22.226	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	43040	21.660	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	45606	20.937	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	32040	23.125	ug/l	93
56) Ethyl methacrylate	9.116	69	49885	23.116	ug/l	98
57) 1,3-Dichloropropane	9.305	76	54457	23.333	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	112902	94.784	ug/l	97
59) 2-Hexanone	9.433	43	204016	125.067	ug/l	98
60) Dibromochloromethane	9.519	129	28758	20.688	ug/l	98
61) 1,2-Dibromoethane	9.610	107	31965	22.817	ug/l	99
64) Tetrachloroethene	9.269	164	24930	20.836	ug/l	98
65) Chlorobenzene	10.079	112	82577	20.720	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	27081	20.952	ug/l	98
67) Ethyl Benzene	10.195	91	144945	21.463	ug/l	98
68) m/p-Xylenes	10.299	106	107890	42.841	ug/l	99
69) o-Xylene	10.640	106	53442	21.734	ug/l	94
70) Styrene	10.653	104	87244	21.452	ug/l	97
71) Bromoform	10.799	173	17198	18.902	ug/l #	100
73) Isopropylbenzene	10.963	105	141526	21.803	ug/l	99
74) N-amyl acetate	10.842	43	65715	21.854	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	49580	22.307	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	39777m	21.480	ug/l	
77) Bromobenzene	11.195	156	32789	21.175	ug/l	97
78) n-propylbenzene	11.305	91	159964	22.065	ug/l	97
79) 2-Chlorotoluene	11.366	91	100942	22.019	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	120324	22.531	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12229	18.020	ug/l	92
82) 4-Chlorotoluene	11.451	91	111642	21.571	ug/l	98
83) tert-Butylbenzene	11.713	119	115497	21.820	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	119462	22.469	ug/l	99
85) sec-Butylbenzene	11.890	105	146100	22.528	ug/l	100
86) p-Isopropyltoluene	12.006	119	118456	22.486	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	59948	21.256	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	60568	21.065	ug/l	98
89) n-Butylbenzene	12.329	91	101541	21.862	ug/l	99
90) Hexachloroethane	12.536	117	16767	18.718	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	61069	21.457	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9122	20.483	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	34053	20.294	ug/l	97
94) Hexachlorobutadiene	13.725	225	13933	21.010	ug/l	97
95) Naphthalene	13.774	128	136796	22.648	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	35694	21.017	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044202.D
Acq On : 10 Dec 2024 12:52
Operator : JC/MD
Sample : VX1210WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:30:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

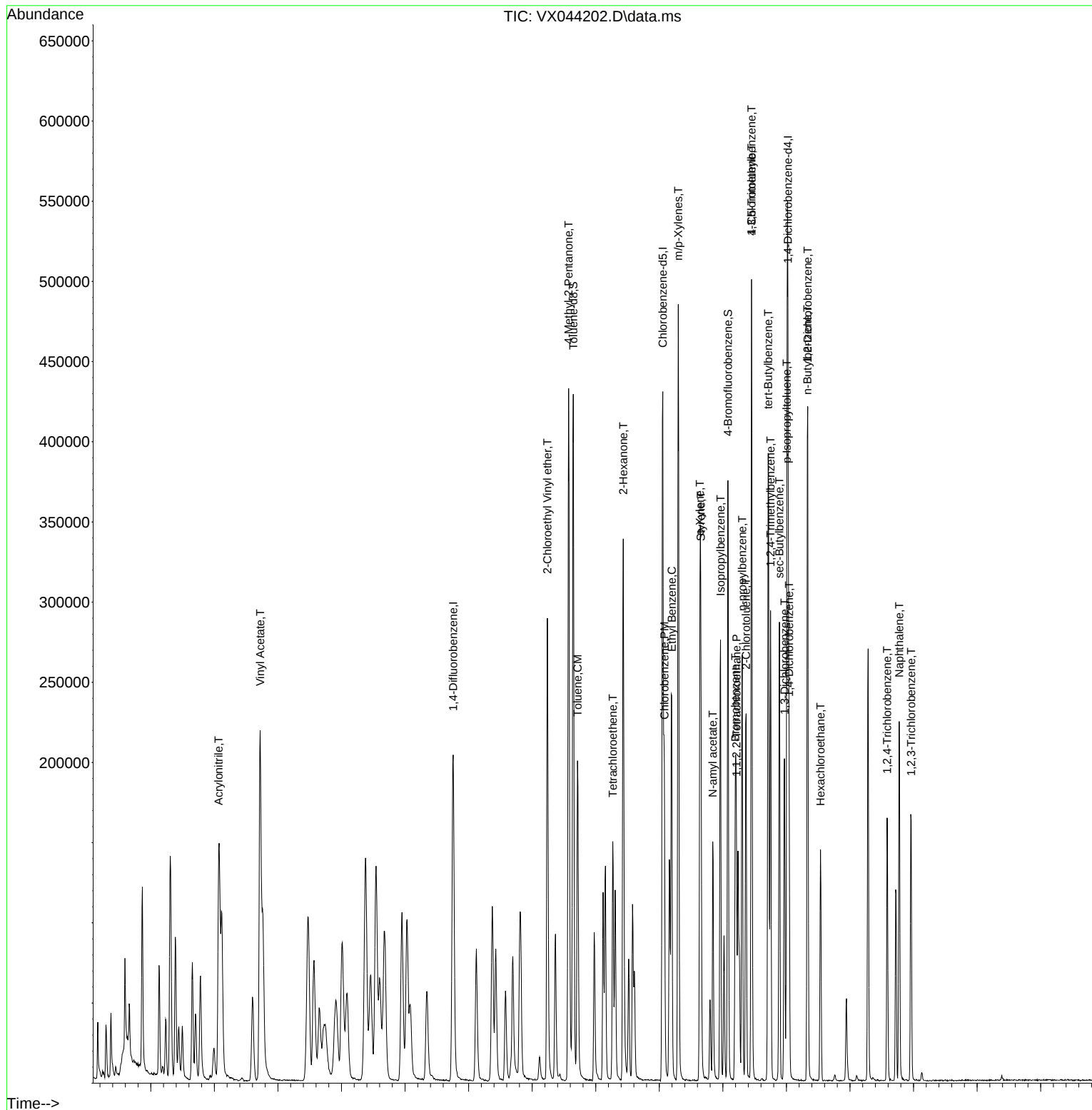
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044202.D
Acq On : 10 Dec 2024 12:52
Operator : JC/MD
Sample : VX1210WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:30:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



Manual Integration Report

Sequence:	vx112124	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX043923.D	1,2,3-Trichloropropane	JOHN	11/21/2024 9:44:34 AM	MMDadoda	11/22/2024 3:33:41 PM	Peak Integrated by Software
VSTDICV050	VX043923.D	1,4-Dioxane	JOHN	11/21/2024 9:44:34 AM	MMDadoda	11/22/2024 3:33:41 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	1,4-Dichlorobenzene	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Bromochloromethane	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Ethyl Acetate	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Methacrylonitrile	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Methyl methacrylate	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	1,4-Dioxane	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	Ethyl Acetate	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	Tert butyl alcohol	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC020	VX043927.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:12 AM	MMDadoda	11/22/2024 3:33:46 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

vx112124

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX043927.D	1,4-Dioxane	JOHN	11/22/2024 9:57:12 AM	MMDadoda	11/22/2024 3:33:46 PM	Peak Integrated by Software
VSTDICCC050	VX043928.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:17 AM	MMDadoda	11/22/2024 3:33:47 PM	Peak Integrated by Software
VSTDICCC050	VX043928.D	1,4-Dioxane	JOHN	11/22/2024 9:57:17 AM	MMDadoda	11/22/2024 3:33:47 PM	Peak Integrated by Software
VSTDICC100	VX043929.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:21 AM	MMDadoda	11/22/2024 3:33:49 PM	Peak Integrated by Software
VSTDICC100	VX043929.D	1,4-Dioxane	JOHN	11/22/2024 9:57:21 AM	MMDadoda	11/22/2024 3:33:49 PM	Peak Integrated by Software
VSTDICC150	VX043930.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:26 AM	MMDadoda	11/22/2024 3:33:50 PM	Peak Integrated by Software
VSTDICV050	VX043932.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:30 AM	MMDadoda	11/22/2024 3:33:52 PM	Peak Integrated by Software
VSTDCCC050	VX043948.D	1,2,3-Trichloropropane	MMDadoda	11/29/2024 8:03:03 AM	SAM	11/29/2024 8:03:34 AM	Peak Integrated by Software
VSTDCCC050	VX043948.D	2-Chloroethyl Vinyl ether	MMDadoda	11/29/2024 8:03:03 AM	SAM	11/29/2024 8:03:34 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX121024	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044197.D	1,2,3-Trichloropropane	JOHN	12/11/2024 10:09:47 AM	MMDadoda	12/11/2024 1:15:31 PM	Peak Integrated by Software
VX1210WBS01	VX044201.D	1,2,3-Trichloropropane	JOHN	12/11/2024 10:09:52 AM	MMDadoda	12/11/2024 1:15:32 PM	Peak Integrated by Software
VX1210WBSD0 1	VX044202.D	1,2,3-Trichloropropane	JOHN	12/11/2024 10:09:56 AM	MMDadoda	12/11/2024 1:15:13 PM	Peak Integrated by Software
VSTDCCC050	VX044217.D	1,2,3-Trichloropropane	JOHN	12/11/2024 10:10:56 AM	MMDadoda	12/11/2024 1:15:15 PM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM
Supervise By	Maresh Dadoda	Supervise On	11/22/2024 3:34:00 PM
SubDirectory	VX112124	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP131686,VP131690		
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721		
CCC	VP131691		
Internal Standard/PEM			
ICV/I.BLK	VP131722		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043915.D	20 Nov 2024 15:43	JC/MD	Not Ok
2	VSTDIC001	VX043916.D	20 Nov 2024 16:11	JC/MD	Not Ok
3	VSTDIC005	VX043917.D	20 Nov 2024 16:57	JC/MD	Not Ok
4	VSTDIC020	VX043918.D	20 Nov 2024 17:20	JC/MD	Not Ok
5	VSTDIC050	VX043919.D	20 Nov 2024 17:43	JC/MD	Not Ok
6	VSTDIC100	VX043920.D	20 Nov 2024 18:06	JC/MD	Not Ok
7	VSTDIC150	VX043921.D	20 Nov 2024 18:30	JC/MD	Not Ok
8	IBLK	VX043922.D	20 Nov 2024 18:53	JC/MD	Not Ok
9	VSTDICV050	VX043923.D	20 Nov 2024 19:16	JC/MD	Not Ok
10	BFB	VX043924.D	21 Nov 2024 08:51	JC/MD	Ok
11	VSTDIC001	VX043925.D	21 Nov 2024 09:47	JC/MD	Ok,M
12	VSTDIC005	VX043926.D	21 Nov 2024 10:14	JC/MD	Ok,M
13	VSTDIC020	VX043927.D	21 Nov 2024 10:37	JC/MD	Ok,M
14	VSTDIC050	VX043928.D	21 Nov 2024 11:17	JC/MD	Ok,M
15	VSTDIC100	VX043929.D	21 Nov 2024 11:40	JC/MD	Ok,M
16	VSTDIC150	VX043930.D	21 Nov 2024 12:03	JC/MD	Ok,M
17	IBLK	VX043931.D	21 Nov 2024 12:27	JC/MD	Ok
18	VSTDICV050	VX043932.D	21 Nov 2024 13:57	JC/MD	Ok,M
19	VX1121MBL01	VX043933.D	21 Nov 2024 14:27	JC/MD	Ok
20	VX1121WBL01	VX043934.D	21 Nov 2024 14:50	JC/MD	Ok
21	VX1121WBS01	VX043935.D	21 Nov 2024 15:13	JC/MD	Ok,M

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM
Supervise By	Maresh Dadoda	Supervise On	11/22/2024 3:34:00 PM
SubDirectory	VX112124	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP131686,VP131690		
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721		
CCC	VP131691		
Internal Standard/PEM			
ICV/I.BLK	VP131722		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	VX1121WBSD01	VX043936.D	21 Nov 2024 15:40	JC/MD	Ok,M
23	P4921-01	VX043937.D	21 Nov 2024 16:03	JC/MD	Ok
24	P4934-01	VX043938.D	21 Nov 2024 16:27	JC/MD	Ok
25	P4934-09	VX043939.D	21 Nov 2024 16:50	JC/MD	Ok
26	P4934-11	VX043940.D	21 Nov 2024 17:13	JC/MD	Ok
27	P4934-02	VX043941.D	21 Nov 2024 17:36	JC/MD	Ok
28	P4934-03	VX043942.D	21 Nov 2024 17:59	JC/MD	Ok
29	P4934-08	VX043943.D	21 Nov 2024 18:23	JC/MD	Ok
30	P4934-10	VX043944.D	21 Nov 2024 18:46	JC/MD	Ok
31	P4934-04	VX043945.D	21 Nov 2024 19:09	JC/MD	Ok
32	P4934-12	VX043946.D	21 Nov 2024 19:32	JC/MD	Ok
33	P4934-05	VX043947.D	21 Nov 2024 19:55	JC/MD	Ok
34	VSTDCCC050	VX043948.D	21 Nov 2024 20:18	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX121024

Review By	John Carlone	Review On	12/11/2024 10:16:07 AM
Supervise By	Maresh Dadoda	Supervise On	12/11/2024 1:15:19 PM
SubDirectory	VX121024	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132045		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132046,VP132047		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044196.D	10 Dec 2024 09:01	JC/MD	Ok
2	VSTDCCC050	VX044197.D	10 Dec 2024 10:43	JC/MD	Ok,M
3	VX1210MBL01	VX044198.D	10 Dec 2024 11:12	JC/MD	Ok
4	VX1210WBL01	VX044199.D	10 Dec 2024 11:35	JC/MD	Ok
5	P5164-05	VX044200.D	10 Dec 2024 11:59	JC/MD	Ok
6	VX1210WBS01	VX044201.D	10 Dec 2024 12:22	JC/MD	Ok,M
7	VX1210WBSD01	VX044202.D	10 Dec 2024 12:52	JC/MD	Ok,M
8	IBLK	VX044203.D	10 Dec 2024 13:15	JC/MD	Ok
9	P5193-01	VX044204.D	10 Dec 2024 13:39	JC/MD	Ok
10	P5193-02	VX044205.D	10 Dec 2024 14:02	JC/MD	Ok
11	P5193-03	VX044206.D	10 Dec 2024 14:26	JC/MD	Ok
12	P5193-04	VX044207.D	10 Dec 2024 14:49	JC/MD	Ok
13	P5224-01	VX044208.D	10 Dec 2024 15:13	JC/MD	Ok
14	P5220-03	VX044209.D	10 Dec 2024 15:36	JC/MD	Not Ok
15	P5243-01	VX044210.D	10 Dec 2024 16:00	JC/MD	Ok
16	P5243-02	VX044211.D	10 Dec 2024 16:23	JC/MD	Ok
17	IBLK	VX044212.D	10 Dec 2024 16:47	JC/MD	Ok
18	IBLK	VX044213.D	10 Dec 2024 17:10	JC/MD	Ok
19	P5246-02	VX044214.D	10 Dec 2024 17:33	JC/MD	Ok
20	P5246-01	VX044215.D	10 Dec 2024 17:57	JC/MD	Ok
21	P5220-03	VX044216.D	10 Dec 2024 18:20	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX121024

Review By	John Carlone	Review On	12/11/2024 10:16:07 AM
Supervise By	Mahesh Dadoda	Supervise On	12/11/2024 1:15:19 PM
SubDirectory	VX121024	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132045		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132046,VP132047		

22	VSTDCCC050	VX044217.D	10 Dec 2024 18:44	JC/MD	Ok,M
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M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM
Supervise By	Maresh Dadoda	Supervise On	11/22/2024 3:34:00 PM
SubDirectory	VX112124	HP Acquire Method	HP Processing Method 82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131686,VP131690
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721
CCC	VP131691
Internal Standard/PEM	
ICV/I.BLK	VP131722
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043915.D	20 Nov 2024 15:43		JC/MD	Not Ok
2	VSTDIC001	VSTDIC001	VX043916.D	20 Nov 2024 16:11	%D failed for Comp. #71,74,90,92 in 01 PPB	JC/MD	Not Ok
3	VSTDIC005	VSTDIC005	VX043917.D	20 Nov 2024 16:57	%D failed for Comp. #81 in 05 PPB	JC/MD	Not Ok
4	VSTDIC020	VSTDIC020	VX043918.D	20 Nov 2024 17:20		JC/MD	Not Ok
5	VSTDIC050	VSTDIC050	VX043919.D	20 Nov 2024 17:43		JC/MD	Not Ok
6	VSTDIC100	VSTDIC100	VX043920.D	20 Nov 2024 18:06		JC/MD	Not Ok
7	VSTDIC150	VSTDIC150	VX043921.D	20 Nov 2024 18:30		JC/MD	Not Ok
8	IBLK	IBLK	VX043922.D	20 Nov 2024 18:53		JC/MD	Not Ok
9	VSTDICV050	ICVVX112124	VX043923.D	20 Nov 2024 19:16	Failed	JC/MD	Not Ok
10	BFB	BFB	VX043924.D	21 Nov 2024 08:51		JC/MD	Ok
11	VSTDIC001	VSTDIC001	VX043925.D	21 Nov 2024 09:47	%D failed for Comp. #71 in 01 PPB	JC/MD	Ok,M
12	VSTDIC005	VSTDIC005	VX043926.D	21 Nov 2024 10:14	QR- 58,71	JC/MD	Ok,M
13	VSTDIC020	VSTDIC020	VX043927.D	21 Nov 2024 10:37		JC/MD	Ok,M
14	VSTDIC050	VSTDIC050	VX043928.D	21 Nov 2024 11:17		JC/MD	Ok,M
15	VSTDIC100	VSTDIC100	VX043929.D	21 Nov 2024 11:40		JC/MD	Ok,M
16	VSTDIC150	VSTDIC150	VX043930.D	21 Nov 2024 12:03		JC/MD	Ok,M
17	IBLK	IBLK	VX043931.D	21 Nov 2024 12:27		JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM
Supervise By	Maresh Dadoda	Supervise On	11/22/2024 3:34:00 PM
SubDirectory	VX112124	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP131686,VP131690		
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721		
CCC	VP131691		
Internal Standard/PEM			
ICV/I.BLK	VP131722		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	VSTDICV050	ICVVX112124	VX043932.D	21 Nov 2024 13:57		JC/MD	Ok,M
19	VX1121MBL01	VX1121MBL01	VX043933.D	21 Nov 2024 14:27		JC/MD	Ok
20	VX1121WBL01	VX1121WBL01	VX043934.D	21 Nov 2024 14:50		JC/MD	Ok
21	VX1121WBS01	VX1121WBS01	VX043935.D	21 Nov 2024 15:13		JC/MD	Ok,M
22	VX1121WBSD01	VX1121WBSD01	VX043936.D	21 Nov 2024 15:40		JC/MD	Ok,M
23	P4921-01	WC-11-A-202411	VX043937.D	21 Nov 2024 16:03	vial B pH#5.0	JC/MD	Ok
24	P4934-01	TB01-20241118	VX043938.D	21 Nov 2024 16:27	vial A pH<2 TB;	JC/MD	Ok
25	P4934-09	FB01-20241119	VX043939.D	21 Nov 2024 16:50	vial A pH<2 FB;	JC/MD	Ok
26	P4934-11	RB01-20241119	VX043940.D	21 Nov 2024 17:13	vial A pH<2	JC/MD	Ok
27	P4934-02	BPOW6-11-20241118	VX043941.D	21 Nov 2024 17:36	vial A pH<2	JC/MD	Ok
28	P4934-03	BPOW6-7-20241118	VX043942.D	21 Nov 2024 17:59	vial A pH<2	JC/MD	Ok
29	P4934-08	BPOW6-9-20241119	VX043943.D	21 Nov 2024 18:23	vial A pH<2	JC/MD	Ok
30	P4934-10	BPOW6-8-20241119	VX043944.D	21 Nov 2024 18:46	vial A pH<2	JC/MD	Ok
31	P4934-04	DUP01-20241118	VX043945.D	21 Nov 2024 19:09	vial A pH<2	JC/MD	Ok
32	P4934-12	DUP02-20241119	VX043946.D	21 Nov 2024 19:32	vial A pH<2	JC/MD	Ok
33	P4934-05	BPOW6-10-20241119	VX043947.D	21 Nov 2024 19:55	vial A pH<2	JC/MD	Ok
34	VSTDCCC050	VSTDCCC050EC	VX043948.D	21 Nov 2024 20:18		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX121024

Review By	John Carlone	Review On	12/11/2024 10:16:07 AM
Supervise By	Maresh Dadoda	Supervise On	12/11/2024 1:15:19 PM
SubDirectory	VX121024	HP Acquire Method	HP Processing Method 82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP132045
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132046,VP132047

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044196.D	10 Dec 2024 09:01		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044197.D	10 Dec 2024 10:43	V13516	JC/MD	Ok,M
3	VX1210MBL01	VX1210MBL01	VX044198.D	10 Dec 2024 11:12		JC/MD	Ok
4	VX1210WBL01	VX1210WBL01	VX044199.D	10 Dec 2024 11:35		JC/MD	Ok
5	P5164-05	TB	VX044200.D	10 Dec 2024 11:59	vial B pH<2 TB	JC/MD	Ok
6	VX1210WBS01	VX1210WBS01	VX044201.D	10 Dec 2024 12:22		JC/MD	Ok,M
7	VX1210WBSD01	VX1210WBSD01	VX044202.D	10 Dec 2024 12:52	BSD high for com#52	JC/MD	Ok,M
8	IBLK	IBLK	VX044203.D	10 Dec 2024 13:15		JC/MD	Ok
9	P5193-01	Storage-Blank-SOIL-RE	VX044204.D	10 Dec 2024 13:39	vial A pH<2	JC/MD	Ok
10	P5193-02	Storage-Blank-WATER-	VX044205.D	10 Dec 2024 14:02	vial A pH<2	JC/MD	Ok
11	P5193-03	Storage-Blank-WATER-	VX044206.D	10 Dec 2024 14:26	vial A pH<2	JC/MD	Ok
12	P5193-04	Storage-Blank-SAMPLE	VX044207.D	10 Dec 2024 14:49	vial A pH<2	JC/MD	Ok
13	P5224-01	NP-WS-001	VX044208.D	10 Dec 2024 15:13	vial A pH<2	JC/MD	Ok
14	P5220-03	GAS-AUD-1610-1611-1	VX044209.D	10 Dec 2024 15:36	Run @ lower dilution	JC/MD	Not Ok
15	P5243-01	1203	VX044210.D	10 Dec 2024 16:00	vial A pH<2	JC/MD	Ok
16	P5243-02	1127-COMP	VX044211.D	10 Dec 2024 16:23	vial A pH<2	JC/MD	Ok
17	IBLK	IBLK	VX044212.D	10 Dec 2024 16:47		JC/MD	Ok
18	IBLK	IBLK	VX044213.D	10 Dec 2024 17:10		JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX121024

Review By	John Carlone	Review On	12/11/2024 10:16:07 AM
Supervise By	Maresh Dadoda	Supervise On	12/11/2024 1:15:19 PM
SubDirectory	VX121024	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132045		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132046,VP132047		

19	P5246-02	TB-20241209	VX044214.D	10 Dec 2024 17:33	vial A pH<2 TB	JC/MD	Ok
20	P5246-01	MW7-20241209	VX044215.D	10 Dec 2024 17:57	vial A pH<2	JC/MD	Ok
21	P5220-03	GAS-AUD-1610-1611-1	VX044216.D	10 Dec 2024 18:20	vial A pH<2	JC/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VX044217.D	10 Dec 2024 18:44		JC/MD	Ok,M

M : Manual Integration



SHIPPING DOCUMENTS



CHAIN OF CUSTODY RECORD

P5224

NO. 1 OF 2

COMPANY INFORMATION				PROJECT INFORMATION				REQUESTED ANALYSIS/METHOD					
LOCATION	ENTACT LLC			PROJECT	North Point			NUMBER OF CONTAINERS VOC's (8260) 8 RCRA Metals (6010) plus copper, nickel, zinc, Cobalt, Iron, Aluminum, and Tin PCBs (8082)					
ATTN	Wyatt Seel			BILLING INFORMATION									
ADDRESS	150 Bay Street, Suite 801			BILL TO									
Jersey City, NJ			ADDRESS										
			999 Oakmont Plaza Drive Suite 300										
PHONE	419-266-4671			PHONE			Westmont, IL 60559						
FAX				FAX			PO# E9306						
SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPL E TIME	SAMPLE MATRIX	SAMPLE TYPE	CONTAINER TYPE							COMMENTS
NP-WS-001	Water sample	12-9-24	11:00	W	WC	Mixed	10	X	X	X			
SAMPLER	A. Farmerie			SHIPMENT	courier			Temp 3.4°		AIRBILL			
REQUIRED TURNAROUND		☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER:											
1. RELINQUISHED BY		DATE	2. RELINQUISHED BY		DATE	3. RELINQUISHED BY		DATE					
SIGNATURE:		12-9-24	SIGNATURE:			SIGNATURE:		12-9-24					
PRINTED NAME/COMPANY: Austin Farmerie Entact		2:47	PRINTED NAME/COMPANY:			PRINTED NAME/COMPANY: Jahnir Davis		1610					
1. RECEIVED BY		DATE	2. RECEIVED BY		DATE	3. RECEIVED BY		DATE					
SIGNATURE:		12-9-24	SIGNATURE:			SIGNATURE:							
PRINTED NAME/COMPANY: Jahnir Davis		1500	PRINTED NAME/COMPANY:			PRINTED NAME/COMPANY:							



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5224	ENTA05	Order Date : 12/9/2024 3:58:00 PM	Project Mgr :
Client Name : ENTACT		Project Name : North Point	Report Type : Level 1
Client Contact : Wyatt Seel		Receive DateTime : 12/9/2024 12:00:00 AM 16:10	EDD Type : Excel NJ
Invoice Name : ENTACT		Purchase Order :	Hard Copy Date :
Invoice Contact : Wyatt Seel			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5224-01	NP-WS-001	Water	12/09/2024	11:00	VOC-TCLVOA-10		8260D		5 Bus. Days

Relinquished By :

Date / Time :


12-9-24 1645

Received By :

Date / Time :


12/09/24

Storage Area : VOA Refridgerator Room