

Cover Page

Order ID : P4822

Project ID : BAPS North Bergen

Client : BAPS North Bergen

Lab Sample Number

P4822-01
P4822-02
P4822-03
P4822-04
P4822-05
P4822-06
P4822-07
P4822-08
P4822-09
P4822-10
P4822-11
P4822-12

Client Sample Number

SOIL-1
SOIL-1
SOIL-2
SOIL-2
SOIL-3
SOIL-3
SOIL-4
SOIL-4
SOIL-5
SOIL-5
SOIL-6
SOIL-6

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: 11/23/2024

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 #: P4822

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 Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 11/23/2024

LAB CHRONICLE

OrderID:	P4822	OrderDate:	11/12/2024 1:54:09 PM
Client:	BAPS North Bergen	Project:	BAPS North Bergen
Contact:	Rakesh Patel	Location:	L21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4822-01	SOIL-1	SOIL	VOC-TCLVOA-10	8260D	11/12/24		11/17/24	11/12/24
P4822-03	SOIL-2	SOIL	VOC-TCLVOA-10	8260D	11/12/24		11/13/24	11/12/24
P4822-05	SOIL-3	SOIL	VOC-TCLVOA-10	8260D	11/12/24		11/13/24	11/12/24
P4822-05RE	SOIL-3RE	SOIL	VOC-TCLVOA-10	8260D	11/12/24		11/17/24	11/12/24
P4822-07	SOIL-4	SOIL	VOC-TCLVOA-10	8260D	11/12/24		11/13/24	11/12/24
P4822-07RE	SOIL-4RE	SOIL	VOC-TCLVOA-10	8260D	11/12/24		11/17/24	11/12/24
P4822-09	SOIL-5	SOIL	VOC-TCLVOA-10	8260D	11/12/24		11/13/24	11/12/24
P4822-11	SOIL-6	SOIL	VOC-TCLVOA-10	8260D	11/12/24		11/13/24	11/12/24

Hit Summary Sheet
SW-846

SDG No.: P4822
Client: BAPS North Bergen

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: P4822-01	SOIL-1 SOIL-1	SOIL	Chloroform	4.00	J	0.61	4.50	ug/Kg
			Total Voc :	4.00				
P4822-01	SOIL-1	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	7.10	J	0	0	ug/Kg
			Total Tics :	7.10				
			Total Concentration:	11.1				
Client ID: P4822-05	SOIL-3 SOIL-3	SOIL	Methylene Chloride	5.50	J	3.20	9.50	ug/Kg
			Total Voc :	5.50				
			Total Concentration:	5.50				
Client ID: P4822-09	SOIL-5 SOIL-5	SOIL	Benzeneethanamine, N-[(penta	6.30	J	0	0	ug/Kg
			Total Tics :	6.30				
			Total Concentration:	6.30				
Client ID: P4822-11	SOIL-6 SOIL-6	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	12.8	J	0	0	ug/Kg
			Total Tics :	12.8				
			Total Concentration:	12.8				



QC SUMMARY

Surrogate Summary

SDG No.: **P4822**

Client: **BAPS North Bergen**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P4822-01	SOIL-1	1,2-Dichloroethane-d4	50	62.3	125	70 (50)	130 (163)
		Dibromofluoromethane	50	50.5	101	70 (54)	130 (147)
		Toluene-d8	50	42.4	85	70 (58)	130 (134)
		4-Bromofluorobenzene	50	34.8	70	70 (29)	130 (146)
P4822-03	SOIL-2	1,2-Dichloroethane-d4	50	49.3	99	70 (50)	130 (163)
		Dibromofluoromethane	50	49.4	99	70 (54)	130 (147)
		Toluene-d8	50	48.5	97	70 (58)	130 (134)
		4-Bromofluorobenzene	50	42.6	85	70 (29)	130 (146)
P4822-05	SOIL-3	1,2-Dichloroethane-d4	50	52.1	104	70 (50)	130 (163)
		Dibromofluoromethane	50	54.8	110	70 (54)	130 (147)
		Toluene-d8	50	63.7	127	70 (58)	130 (134)
		4-Bromofluorobenzene	50	40.2	80	70 (29)	130 (146)
P4822-05RE	SOIL-3RE	1,2-Dichloroethane-d4	50	48.7	97	70 (50)	130 (163)
		Dibromofluoromethane	50	57.5	115	70 (54)	130 (147)
		Toluene-d8	50	44.8	90	70 (58)	130 (134)
		4-Bromofluorobenzene	50	37.5	75	70 (29)	130 (146)
P4822-07	SOIL-4	1,2-Dichloroethane-d4	50	51.0	102	70 (50)	130 (163)
		Dibromofluoromethane	50	50.8	102	70 (54)	130 (147)
		Toluene-d8	50	35.2	70	70 (58)	130 (134)
		4-Bromofluorobenzene	50	28.4	57 *	70 (29)	130 (146)
P4822-07RE	SOIL-4RE	1,2-Dichloroethane-d4	50	48.4	97	70 (50)	130 (163)
		Dibromofluoromethane	50	48.8	98	70 (54)	130 (147)
		Toluene-d8	50	35.7	71	70 (58)	130 (134)
		4-Bromofluorobenzene	50	29.1	58 *	70 (29)	130 (146)
P4822-09	SOIL-5	1,2-Dichloroethane-d4	50	47.5	95	70 (50)	130 (163)
		Dibromofluoromethane	50	65.3	131 *	70 (54)	130 (147)
		Toluene-d8	50	48.5	97	70 (58)	130 (134)
		4-Bromofluorobenzene	50	44.6	89	70 (29)	130 (146)
P4822-11	SOIL-6	1,2-Dichloroethane-d4	50	39.9	80	70 (50)	130 (163)
		Dibromofluoromethane	50	61.6	123	70 (54)	130 (147)
		Toluene-d8	50	45.1	90	70 (58)	130 (134)
		4-Bromofluorobenzene	50	36.7	73	70 (29)	130 (146)
VD1117SBL01	VD1117SBL01	1,2-Dichloroethane-d4	50	59.7	119	70 (50)	130 (163)
		Dibromofluoromethane	50	54.8	110	70 (54)	130 (147)
		Toluene-d8	50	51.3	103	70 (58)	130 (134)
		4-Bromofluorobenzene	50	47.6	95	70 (29)	130 (146)
VD1117SBS01	VD1117SBS01	1,2-Dichloroethane-d4	50	56.3	113	70 (50)	130 (163)
		Dibromofluoromethane	50	55.1	110	70 (54)	130 (147)
		Toluene-d8	50	56.1	112	70 (58)	130 (134)
		4-Bromofluorobenzene	50	56.8	114	70 (29)	130 (146)
VD1117SBSD01	VD1117SBSD01	1,2-Dichloroethane-d4	50	43.7	87	70 (50)	130 (163)
		Dibromofluoromethane	50	44.8	90	70 (54)	130 (147)
		Toluene-d8	50	44.9	90	70 (58)	130 (134)
		4-Bromofluorobenzene	50	45.5	91	70 (29)	130 (146)
VY1113SBL01	VY1113SBL01	1,2-Dichloroethane-d4	50	52.7	105	70 (50)	130 (163)
		Dibromofluoromethane	50	50.3	101	70 (54)	130 (147)
		Toluene-d8	50	52.8	106	70 (58)	130 (134)
		4-Bromofluorobenzene	50	48.0	96	70 (29)	130 (146)
VY1113SBS02	VY1113SBS02	1,2-Dichloroethane-d4	50	61.0	122	70 (50)	130 (163)
		Dibromofluoromethane	50	57.9	116	70 (54)	130 (147)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VY1113SBS02	VY1113SBS02	Toluene-d8	50	62.7	125	70 (58)	130 (134)
		4-Bromofluorobenzene	50	72.7	145 *	70 (29)	130 (146)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: SW8260D

Datafile : VD080040.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VD1117SBS01	Dichlorodifluoromethane	20	18.7	ug/Kg	94			40 (64)	160 (136)	
	Chloromethane	20	18.3	ug/Kg	92			40 (70)	160 (130)	
	Vinyl chloride	20	18.6	ug/Kg	93			70 (72)	130 (129)	
	Bromomethane	20	17.7	ug/Kg	89			40 (58)	160 (141)	
	Chloroethane	20	18.1	ug/Kg	91			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.8	ug/Kg	99			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.7	ug/Kg	104			70 (79)	130 (121)	
	Acetone	100	87.3	ug/Kg	87			40 (60)	160 (131)	
	Carbon disulfide	20	20.4	ug/Kg	102			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	21.5	ug/Kg	108			70 (77)	130 (129)	
	Methyl Acetate	20	22.4	ug/Kg	112			70 (69)	130 (149)	
	Methylene Chloride	20	22.6	ug/Kg	113			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.6	ug/Kg	108			70 (82)	130 (123)	
	Cyclohexane	20	19.9	ug/Kg	100			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Bromochloromethane	20	19.4	ug/Kg	97			70 (80)	130 (127)	
	Chloroform	20	21.7	ug/Kg	109			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.5	ug/Kg	108			70 (80)	130 (126)	
	Methylcyclohexane	20	20.1	ug/Kg	101			70 (77)	130 (123)	
	Benzene	20	20.9	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	22.0	ug/Kg	110			70 (81)	130 (126)	
	Trichloroethene	20	21.5	ug/Kg	108			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.1	ug/Kg	106			70 (83)	130 (122)	
	Bromodichloromethane	20	21.4	ug/Kg	107			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	21.5	ug/Kg	108			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	21.1	ug/Kg	106			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	21.8	ug/Kg	109			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.4	ug/Kg	107			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	21.9	ug/Kg	110			70 (79)	130 (125)	
	1,2-Dibromoethane	20	22.1	ug/Kg	111			70 (80)	130 (125)	
	Tetrachloroethene	20	20.5	ug/Kg	103			70 (83)	130 (125)	
	Chlorobenzene	20	21.2	ug/Kg	106			70 (84)	130 (122)	
	Ethyl Benzene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	m/p-Xylenes	40	42.9	ug/Kg	107			70 (83)	130 (124)	
	o-Xylene	20	21.4	ug/Kg	107			70 (83)	130 (123)	
	Styrene	20	21.4	ug/Kg	107			70 (82)	130 (124)	
	Bromoform	20	22.0	ug/Kg	110			70 (75)	130 (127)	
	Isopropylbenzene	20	19.5	ug/Kg	98			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.9	ug/Kg	104			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.7	ug/Kg	104			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4822
Client: BAPS North Bergen
Analytical Method: SW8260D **Datafile :** VD080040.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VD1117SBS01	1,2-Dibromo-3-Chloropropane	20	19.9	ug/Kg	100			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.2	ug/Kg	101			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **P4822**

Client: **BAPS North Bergen**

Analytical Method: **SW8260D**

Datafile : VD080041.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VD1117SBSD01	Dichlorodifluoromethane	20	17.0	ug/Kg	85	10		40 (64)	160 (136)	30 (20)
	Chloromethane	20	16.5	ug/Kg	83	10		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	17.3	ug/Kg	86	8		70 (72)	130 (129)	30 (20)
	Bromomethane	20	17.1	ug/Kg	86	3		40 (58)	160 (141)	30 (20)
	Chloroethane	20	21.3	ug/Kg	106	15		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	19.5	ug/Kg	98	1		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/Kg	94	11		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	18.2	ug/Kg	91	13		70 (79)	130 (121)	30 (20)
	Acetone	100	95.3	ug/Kg	95	9		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	17.9	ug/Kg	90	13		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	19.7	ug/Kg	99	9		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.0	ug/Kg	100	11		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	20.2	ug/Kg	101	11		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	18.3	ug/Kg	92	14		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	18.8	ug/Kg	94	14		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	17.3	ug/Kg	86	15		70 (76)	130 (122)	30 (20)
	2-Butanone	100	91.1	ug/Kg	91	9		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	19.0	ug/Kg	95	8		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	18.3	ug/Kg	92	14		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	18.1	ug/Kg	91	6		70 (80)	130 (127)	30 (20)
	Chloroform	20	18.9	ug/Kg	95	14		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	18.7	ug/Kg	94	14		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	18.3	ug/Kg	92	9		70 (77)	130 (123)	30 (20)
	Benzene	20	19.4	ug/Kg	97	7		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.1	ug/Kg	106	4		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.6	ug/Kg	98	10		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.2	ug/Kg	101	5		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.1	ug/Kg	101	6		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		40 (70)	160 (135)	30 (20)
	Toluene	20	20.0	ug/Kg	100	8		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100	6		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.6	ug/Kg	98	11		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103	4		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	10		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.9	ug/Kg	104	6		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.5	ug/Kg	103	7		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	19.1	ug/Kg	96	7		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	19.5	ug/Kg	98	8		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	18.8	ug/Kg	94	9		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	38.5	ug/Kg	96	11		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.1	ug/Kg	96	11		70 (83)	130 (123)	30 (20)
	Styrene	20	19.7	ug/Kg	99	8		70 (82)	130 (124)	30 (20)
	Bromoform	20	21.0	ug/Kg	105	5		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	17.7	ug/Kg	89	10		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	19.3	ug/Kg	97	7		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	19.1	ug/Kg	96	6		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	19.4	ug/Kg	97	6		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	19.4	ug/Kg	97	7		70 (83)	130 (124)	30 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4822
Client: BAPS North Bergen
Analytical Method: SW8260D **Datafile :** VD080041.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VD1117SBSD01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/Kg	96	4		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	18.1	ug/Kg	91	8		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	18.6	ug/Kg	93	8		70 (70)	130 (137)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: SW8260D

Datafile : VY020294.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1113SBS02	Dichlorodifluoromethane	20	16.7	ug/Kg	84			40 (64)	160 (136)	
	Chloromethane	20	18.1	ug/Kg	91			40 (70)	160 (130)	
	Vinyl chloride	20	18.4	ug/Kg	92			70 (72)	130 (129)	
	Bromomethane	20	17.4	ug/Kg	87			40 (58)	160 (141)	
	Chloroethane	20	19.1	ug/Kg	96			40 (69)	160 (130)	
	Trichlorofluoromethane	20	23.0	ug/Kg	115			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	17.9	ug/Kg	90			70 (81)	130 (123)	
	1,1-Dichloroethene	20	16.5	ug/Kg	83			70 (79)	130 (121)	
	Acetone	100	90.7	ug/Kg	91			40 (60)	160 (131)	
	Carbon disulfide	20	13.8	ug/Kg	69			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	18.6	ug/Kg	93			70 (77)	130 (129)	
	Methyl Acetate	20	19.1	ug/Kg	96			70 (69)	130 (149)	
	Methylene Chloride	20	16.6	ug/Kg	83			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	16.6	ug/Kg	83			70 (80)	130 (123)	
	1,1-Dichloroethane	20	24.4	ug/Kg	122			70 (82)	130 (123)	
	Cyclohexane	20	19.8	ug/Kg	99			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	28.0	ug/Kg	140		*	70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.4	ug/Kg	102			70 (82)	130 (123)	
	Bromochloromethane	20	19.5	ug/Kg	98			70 (80)	130 (127)	
	Chloroform	20	19.9	ug/Kg	100			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.9	ug/Kg	100			70 (80)	130 (126)	
	Methylcyclohexane	20	22.9	ug/Kg	115			70 (77)	130 (123)	
	Benzene	20	26.6	ug/Kg	133		*	70 (84)	130 (121)	
	1,2-Dichloroethane	20	28.5	ug/Kg	143		*	70 (81)	130 (126)	
	Trichloroethene	20	23.4	ug/Kg	117			70 (83)	130 (122)	
	1,2-Dichloropropane	20	26.8	ug/Kg	134		*	70 (83)	130 (122)	
	Bromodichloromethane	20	26.5	ug/Kg	133		*	70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	140	ug/Kg	140			40 (70)	160 (135)	
	Toluene	20	23.5	ug/Kg	117			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	22.9	ug/Kg	115			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	27.3	ug/Kg	137		*	70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	30.0	ug/Kg	150		*	70 (82)	130 (125)	
	2-Hexanone	100	140	ug/Kg	140			40 (66)	160 (138)	
	Dibromochloromethane	20	27.1	ug/Kg	136		*	70 (79)	130 (125)	
	1,2-Dibromoethane	20	23.6	ug/Kg	118			70 (80)	130 (125)	
	Tetrachloroethene	20	29.3	ug/Kg	146		*	70 (83)	130 (125)	
	Chlorobenzene	20	22.8	ug/Kg	114			70 (84)	130 (122)	
	Ethyl Benzene	20	23.0	ug/Kg	115			70 (82)	130 (124)	
	m/p-Xylenes	40	55.7	ug/Kg	139		*	70 (83)	130 (124)	
	o-Xylene	20	27.7	ug/Kg	139		*	70 (83)	130 (123)	
	Styrene	20	28.0	ug/Kg	140		*	70 (82)	130 (124)	
	Bromoform	20	32.3	ug/Kg	162		*	70 (75)	130 (127)	
	Isopropylbenzene	20	22.8	ug/Kg	114			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	22.2	ug/Kg	111			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	22.7	ug/Kg	114			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	22.3	ug/Kg	112			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	22.5	ug/Kg	113			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4822
Client: BAPS North Bergen
Analytical Method: SW8260D **Datafile :** VY020294.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1113SBS02	1,2-Dibromo-3-Chloropropane	20	20.3	ug/Kg	102			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.7	ug/Kg	99			70 (70)	130 (137)	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VD1117SBL01

Lab Name: CHEMTECH

Contract: BAPS03

Lab Code: CHEM Case No.: P4822

SAS No.: P4822 SDG NO.: P4822

Lab File ID: VD080039.D

Lab Sample ID: VD1117SBL01

Date Analyzed: 11/17/2024

Time Analyzed: 13:55

GC Column: RTX-VMS ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_D

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VD1117SBS01	VD1117SBS01	VD080040.D	11/17/2024
VD1117SBSD01	VD1117SBSD01	VD080041.D	11/17/2024
SOIL-3RE	P4822-05RE	VD080052.D	11/17/2024
SOIL-4RE	P4822-07RE	VD080053.D	11/17/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1113SBL01

Lab Name: CHEMTECH

Contract: BAPS03

Lab Code: CHEM Case No.: P4822

SAS No.: P4822 SDG NO.: P4822

Lab File ID: VY020277.D

Lab Sample ID: VY1113SBL01

Date Analyzed: 11/13/2024

Time Analyzed: 12:00

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SOIL-2	P4822-03	VY020288.D	11/13/2024
SOIL-1	P4822-01	VY020289.D	11/13/2024
SOIL-3	P4822-05	VY020290.D	11/13/2024
SOIL-6	P4822-11	VY020291.D	11/13/2024
SOIL-5	P4822-09	VY020292.D	11/13/2024
SOIL-4	P4822-07	VY020293.D	11/13/2024
VY1113SBS02	VY1113SBS02	VY020294.D	11/13/2024

COMMENTS: _____



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: BAPS03
Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822
Lab File ID: VD080019.D BFB Injection Date: 11/15/2024
Instrument ID: MSVOA_D BFB Injection Time: 09:14
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.1
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	90.2
175	5.0 - 9.0% of mass 174	7.3 (8.1) 1
176	95.0 - 101.0% of mass 174	87.4 (97) 1
177	5.0 - 9.0% of mass 176	5.9 (6.7) 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
VSTDIC005	VSTDIC005	VD080020.D	11/15/2024	10:04
VSTDIC010	VSTDIC010	VD080021.D	11/15/2024	10:31
VSTDIC020	VSTDIC020	VD080022.D	11/15/2024	10:58
VSTDIC050	VSTDIC050	VD080023.D	11/15/2024	11:24
VSTDIC100	VSTDIC100	VD080024.D	11/15/2024	11:51
VSTDIC150	VSTDIC150	VD080025.D	11/15/2024	12:18



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: BAPS03
Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822
Lab File ID: VD080037.D BFB Injection Date: 11/17/2024
Instrument ID: MSVOA_D BFB Injection Time: 11:29
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	46.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.2 (1.3) 1
174	50.0 - 100.0% of mass 95	87.6
175	5.0 - 9.0% of mass 174	7 (8) 1
176	95.0 - 101.0% of mass 174	86 (98.2) 1
177	5.0 - 9.0% of mass 176	5.9 (6.8) 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	VD080038.D	11/17/2024	13:28
VD1117SBL01	VD1117SBL01	VD080039.D	11/17/2024	13:55
VD1117SBS01	VD1117SBS01	VD080040.D	11/17/2024	14:25
VD1117SBSD01	VD1117SBSD01	VD080041.D	11/17/2024	14:52
SOIL-3RE	P4822-05RE	VD080052.D	11/17/2024	19:49
SOIL-4RE	P4822-07RE	VD080053.D	11/17/2024	20:16



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: BAPS03
Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822
Lab File ID: VY020074.D BFB Injection Date: 10/30/2024
Instrument ID: MSVOA_Y BFB Injection Time: 12:07
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
75	30.0 - 60.0% of mass 95	57.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.8 (7.8) 1
176	95.0 - 101.0% of mass 174	70.8 (95.1) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY020075.D	10/30/2024	12:39
VSTDIC010	VSTDIC010	VY020076.D	10/30/2024	13:02
VSTDIC020	VSTDIC020	VY020077.D	10/30/2024	13:24
VSTDIC050	VSTDIC050	VY020078.D	10/30/2024	14:06
VSTDIC100	VSTDIC100	VY020079.D	10/30/2024	14:29
VSTDIC150	VSTDIC150	VY020080.D	10/30/2024	14:52



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: BAPS03
Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822
Lab File ID: VY020275.D BFB Injection Date: 11/13/2024
Instrument ID: MSVOA_Y BFB Injection Time: 09:22
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.2
75	30.0 - 60.0% of mass 95	58.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	71.3
175	5.0 - 9.0% of mass 174	5.5 (7.7) 1
176	95.0 - 101.0% of mass 174	69.6 (97.6) 1
177	5.0 - 9.0% of mass 176	4.9 (7) 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	VY020276.D	11/13/2024	10:21
VY1113SBL01	VY1113SBL01	VY020277.D	11/13/2024	12:00
SOIL-2	P4822-03	VY020288.D	11/13/2024	17:12
SOIL-1	P4822-01	VY020289.D	11/13/2024	17:36
SOIL-3	P4822-05	VY020290.D	11/13/2024	17:59
SOIL-6	P4822-11	VY020291.D	11/13/2024	18:23
SOIL-5	P4822-09	VY020292.D	11/13/2024	18:46
SOIL-4	P4822-07	VY020293.D	11/13/2024	19:09
VY1113SBS02	VY1113SBS02	VY020294.D	11/13/2024	19:32

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: BAPS03
Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822
Lab File ID: VD080038.D Date Analyzed: 11/17/2024
Instrument ID: MSVOA_D Time Analyzed: 13:28
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	207094	7.88	343737	8.78	311195	11.58
UPPER LIMIT	414188	8.375	687474	9.275	622390	12.081
LOWER LIMIT	103547	7.375	171869	8.275	155598	11.081
EPA SAMPLE NO.						
SOIL-3RE	136518	7.88	216650	8.78	188207	11.58
SOIL-4RE	127866	7.88	209554	8.78	177030	11.58
VD1117SBL01	193192	7.88	327480	8.78	302809	11.58
VD1117SBS01	193786	7.88	310601	8.78	280607	11.58
VD1117SBSD01	212267	7.88	323009	8.78	296184	11.58

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: BAPS03
 Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822
 Lab File ID: VD080038.D Date Analyzed: 11/17/2024
 Instrument ID: MSVOA_D Time Analyzed: 13:28
 GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	158443	13.516				
UPPER LIMIT	316886	14.016				
LOWER LIMIT	79221.5	13.016				
EPA SAMPLE NO.						
SOIL-3RE	75449 *	13.52				
SOIL-4RE	66849 *	13.52				
VD1117SBL01	133574	13.52				
VD1117SBS01	159474	13.52				
VD1117SBSD01	169441	13.52				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: BAPS03
Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822
Lab File ID: VY020276.D Date Analyzed: 11/13/2024
Instrument ID: MSVOA_Y Time Analyzed: 10:21
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	274170	7.72	476232	8.62	352799	11.42
UPPER LIMIT	548340	8.219	952464	9.122	705598	11.92
LOWER LIMIT	137085	7.219	238116	8.122	176400	10.92
EPA SAMPLE NO.						
SOIL-1	175159	7.71	388834	8.62	288894	11.42
SOIL-2	264987	7.71	538681	8.62	472561	11.42
SOIL-3	152208	7.71	316218	8.62	304518	11.41
SOIL-4	222193	7.71	449384	8.62	277882	11.42
SOIL-5	187862	7.71	324534	8.62	313306	11.42
SOIL-6	206493	7.71	355515	8.62	288337	11.42
VY1113SBL01	201367	7.72	373967	8.62	291234	11.42
VY1113SBS02	238729	7.71	371931	8.62	329120	11.41

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: BAPS03
 Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822
 Lab File ID: VY020276.D Date Analyzed: 11/13/2024
 Instrument ID: MSVOA_Y Time Analyzed: 10:21
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	165760	13.352				
UPPER LIMIT	331520	13.852				
LOWER LIMIT	82880	12.852				
EPA SAMPLE NO.						
SOIL-1	124141	13.35				
SOIL-2	152978	13.35				
SOIL-3	79473 *	13.35				
SOIL-4	81233 *	13.35				
SOIL-5	137784	13.35				
SOIL-6	124535	13.35				
VY1113SBL01	108368	13.35				
VY1113SBS02	186078	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	11/12/24	
Project:	BAPS North Bergen		Date Received:	11/12/24	
Client Sample ID:	SOIL-1		SDG No.:	P4822	
Lab Sample ID:	P4822-01		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	94.1	
Sample Wt/Vol:	5.84	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020289.D	1		11/13/24 17:36	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	4.50	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.50	ug/Kg
75-01-4	Vinyl Chloride	0.70	U	0.70	4.50	ug/Kg
74-83-9	Bromomethane	0.94	U	0.94	4.50	ug/Kg
75-00-3	Chloroethane	0.92	U	0.92	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	0.83	U	0.83	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.97	U	0.97	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.71	U	0.71	4.50	ug/Kg
67-64-1	Acetone	5.70	U	5.70	22.7	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.50	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	4.50	ug/Kg
75-09-2	Methylene Chloride	3.10	U	3.10	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.76	U	0.76	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.57	U	0.57	4.50	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.50	ug/Kg
78-93-3	2-Butanone	5.20	U	5.20	22.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	UQ	0.79	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	4.50	ug/Kg
74-97-5	Bromochloromethane	2.20	U	2.20	4.50	ug/Kg
67-66-3	Chloroform	4.00	J	0.61	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.71	U	0.71	4.50	ug/Kg
108-87-2	Methylcyclohexane	0.79	U	0.79	4.50	ug/Kg
71-43-2	Benzene	0.66	UQ	0.66	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.56	UQ	0.56	4.50	ug/Kg
79-01-6	Trichloroethene	0.68	U	0.68	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.60	UQ	0.60	4.50	ug/Kg
75-27-4	Bromodichloromethane	0.51	UQ	0.51	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.00	U	4.00	22.7	ug/Kg
108-88-3	Toluene	0.61	U	0.61	4.50	ug/Kg

Report of Analysis

Client:	BAPS North Bergen			Date Collected:	11/12/24		
Project:	BAPS North Bergen			Date Received:	11/12/24		
Client Sample ID:	SOIL-1			SDG No.:	P4822		
Lab Sample ID:	P4822-01			Matrix:	SOIL		
Analytical Method:	SW8260			% Solid:	94.1		
Sample Wt/Vol:	5.84	Units:	g	Final Vol:	5000	uL	
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10		
GC Column:	RXI-624	ID :	0.25	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020289.D	1		11/13/24 17:36	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.55	U	0.55	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	UQ	0.52	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	UQ	0.76	4.50	ug/Kg
591-78-6	2-Hexanone	4.40	U	4.40	22.7	ug/Kg
124-48-1	Dibromochloromethane	0.59	UQ	0.59	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.72	U	0.72	4.50	ug/Kg
127-18-4	Tetrachloroethene	0.81	UQ	0.81	4.50	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	4.50	ug/Kg
100-41-4	Ethyl Benzene	0.56	U	0.56	4.50	ug/Kg
179601-23-1	m/p-Xylenes	1.20	UQ	1.20	9.10	ug/Kg
95-47-6	o-Xylene	0.64	UQ	0.64	4.50	ug/Kg
100-42-5	Styrene	0.55	UQ	0.55	4.50	ug/Kg
75-25-2	Bromoform	0.74	UQ	0.74	4.50	ug/Kg
98-82-8	Isopropylbenzene	0.61	U	0.61	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.73	U	0.73	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.54	U	0.54	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.72	U	0.72	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.71	U	0.71	4.50	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	62.3	70 (50) - 130 (163)	125%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5	70 (54) - 130 (147)	101%	SPK: 50
2037-26-5	Toluene-d8	42.4	70 (58) - 130 (134)	85%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.8	70 (29) - 130 (146)	70%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	175000	7.713
540-36-3	1,4-Difluorobenzene	389000	8.616
3114-55-4	Chlorobenzene-d5	289000	11.42
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-1	SDG No.:	P4822
Lab Sample ID:	P4822-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.1
Sample Wt/Vol:	5.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020289.D	1		11/13/24 17:36	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	7.10	J		13.9	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020289.D
 Acq On : 13 Nov 2024 17:36
 Operator : SY/MD
 Sample : P4822-01
 Misc : 5.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-1

Quant Time: Nov 14 01:00:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

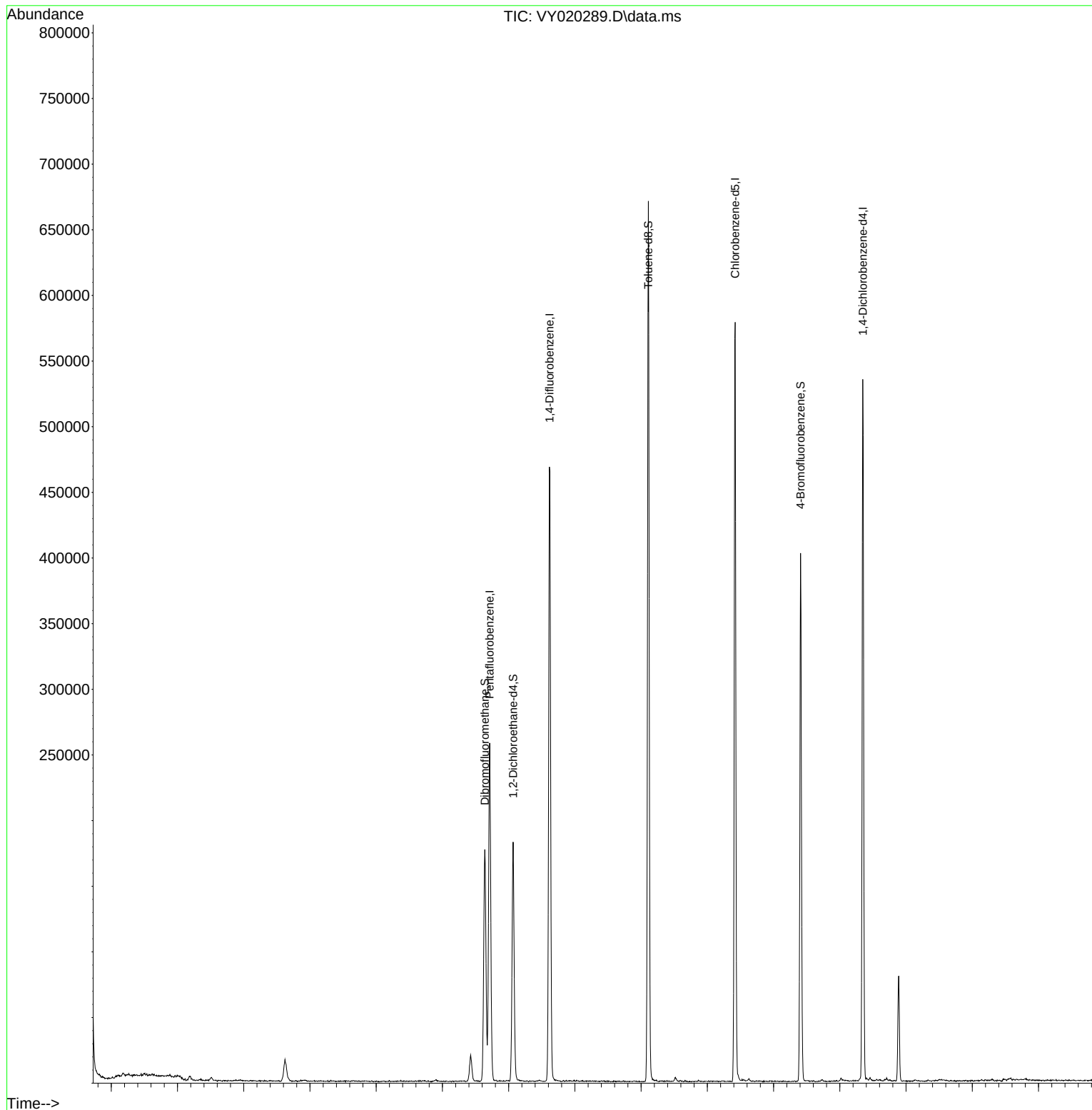
Internal Standards						
1) Pentafluorobenzene	7.713	168	175159	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	388834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	288894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	124141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	136282	62.340	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.680%
35) Dibromofluoromethane	7.640	113	124776	50.472	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.940%
50) Toluene-d8	10.109	98	417341	42.411	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.820%
62) 4-Bromofluorobenzene	12.408	95	111159	34.777	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	69.560%
Target Compounds						
30) Chloroform	7.421	83	18100	4.451	ug/l	Qvalue 85

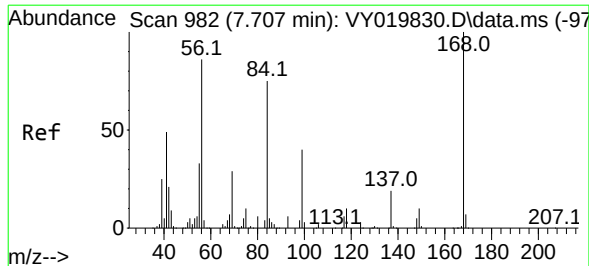
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020289.D
Acq On : 13 Nov 2024 17:36
Operator : SY/MD
Sample : P4822-01
Misc : 5.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-1

Quant Time: Nov 14 01:00:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

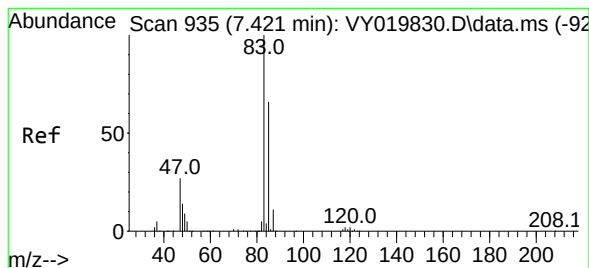
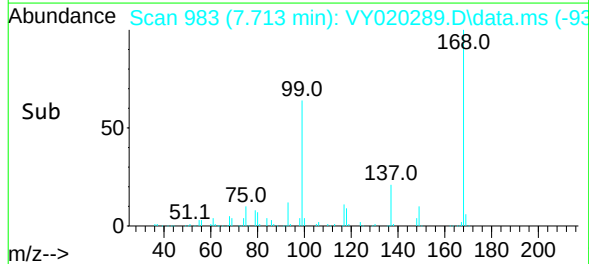
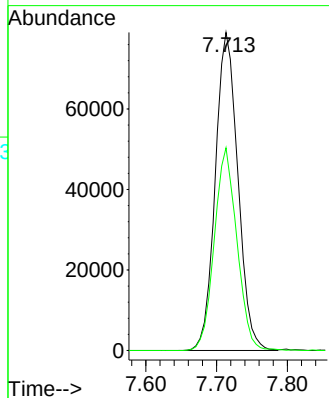
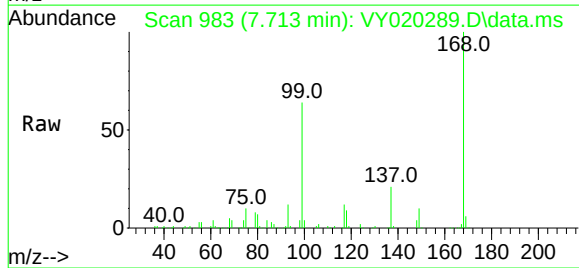




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY020289.D
Acq: 13 Nov 2024 17:36

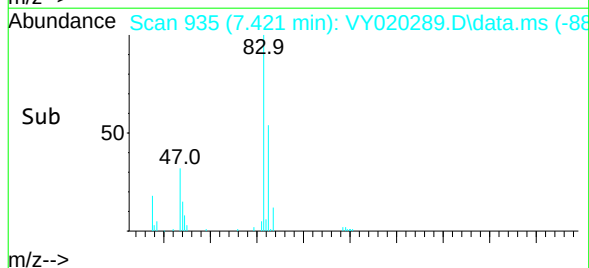
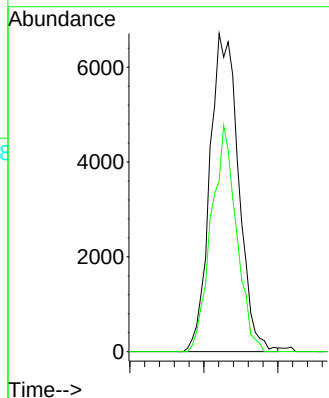
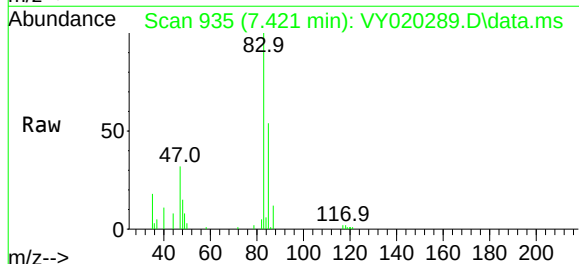
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-1

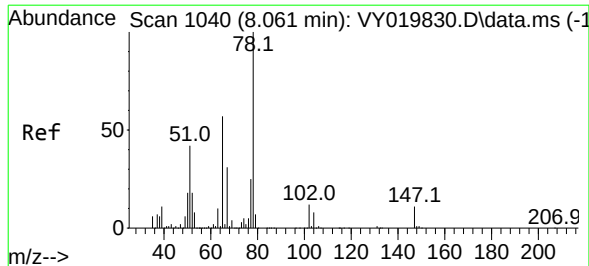
Tgt Ion:168 Resp: 175159
Ion Ratio Lower Upper
168 100
99 63.7 39.1 58.7#



#30
Chloroform
Concen: 4.451 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY020289.D
Acq: 13 Nov 2024 17:36

Tgt Ion: 83 Resp: 18100
Ion Ratio Lower Upper
83 100
85 53.7 52.2 78.4





#33

1,2-Dichloroethane-d4

Concen: 62.340 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY020289.D

Acq: 13 Nov 2024 17:36

Instrument :

MSVOA_Y

ClientSampleId :

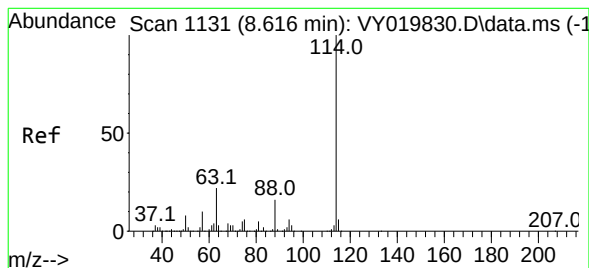
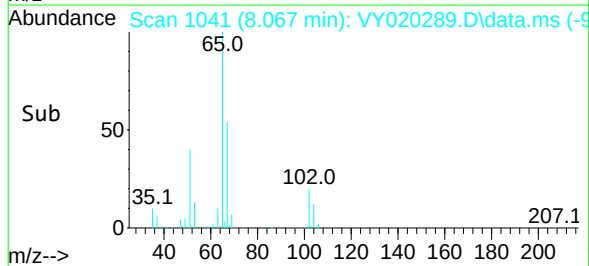
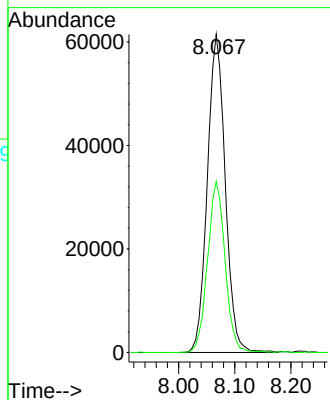
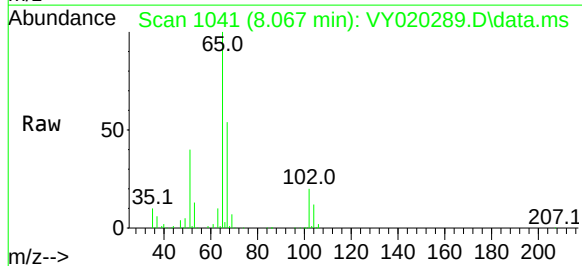
SOIL-1

Tgt Ion: 65 Resp: 136282

Ion Ratio Lower Upper

65 100

67 52.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020289.D

Acq: 13 Nov 2024 17:36

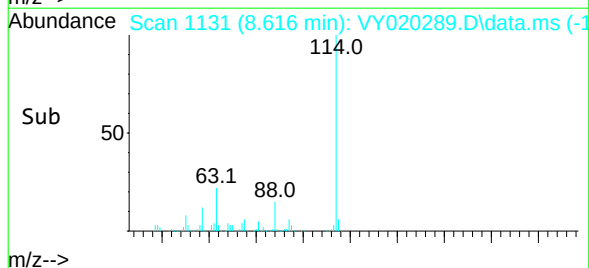
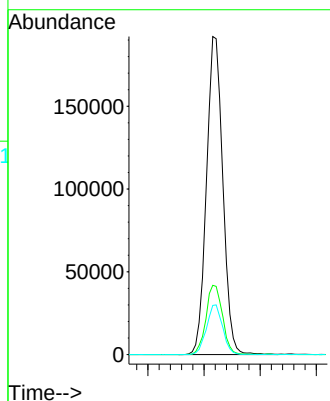
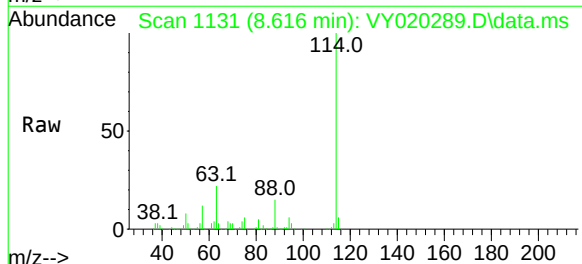
Tgt Ion: 114 Resp: 388834

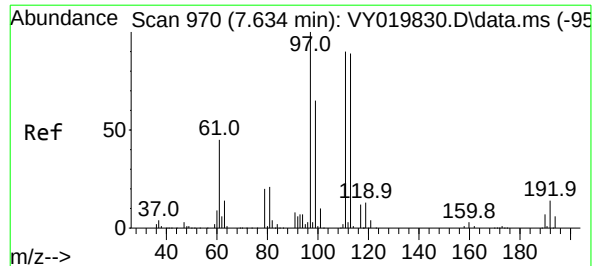
Ion Ratio Lower Upper

114 100

63 21.8 0.0 35.0

88 15.5 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.472 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY020289.D

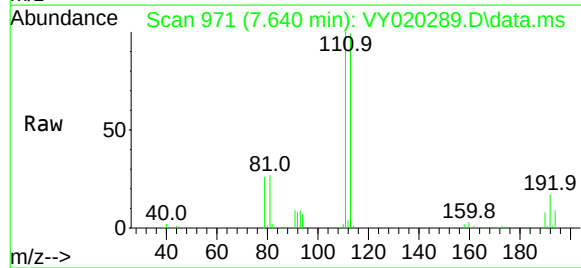
Acq: 13 Nov 2024 17:36

Instrument :

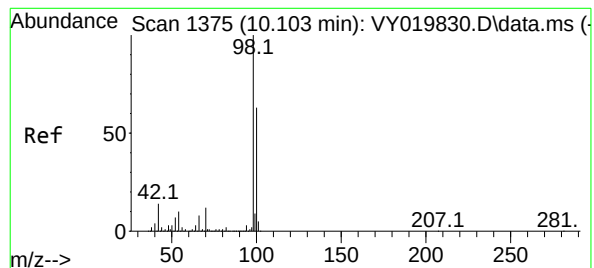
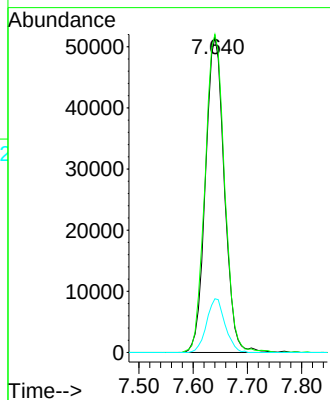
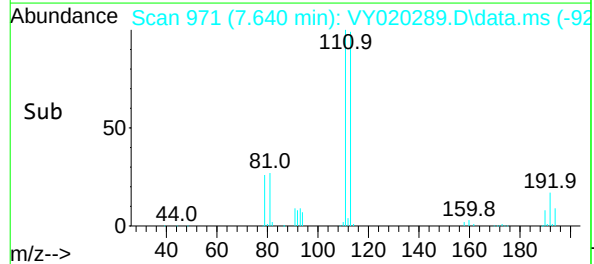
MSVOA_Y

ClientSampleId :

SOIL-1



Tgt Ion	113	Resp:	124776
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.2	123.4
192	16.7	15.9	23.9



#50

Toluene-d8

Concen: 42.411 ug/l

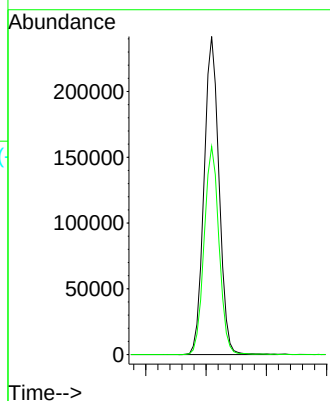
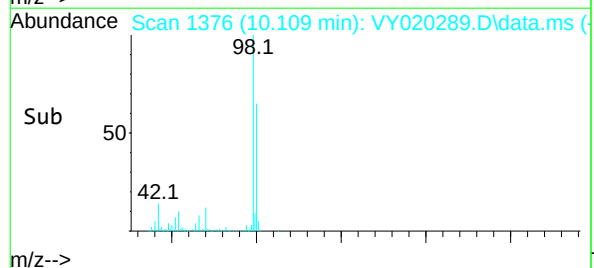
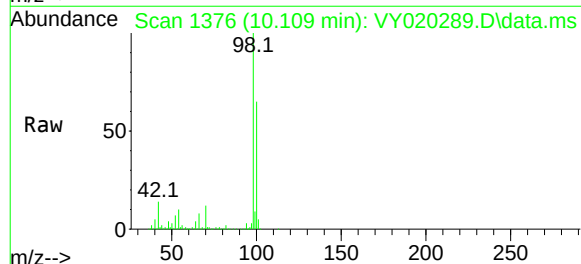
RT: 10.109 min Scan# 1376

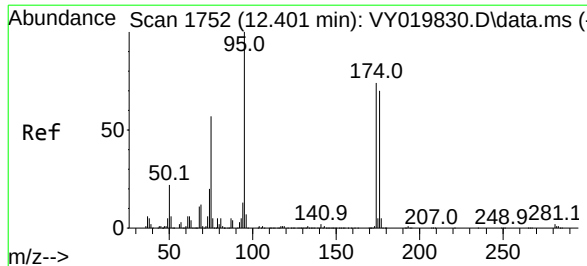
Delta R.T. 0.000 min

Lab File: VY020289.D

Acq: 13 Nov 2024 17:36

Tgt Ion	98	Resp:	417341
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0





#62

4-Bromofluorobenzene

Concen: 34.777 ug/l

RT: 12.408 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY020289.D

Acq: 13 Nov 2024 17:36

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-1

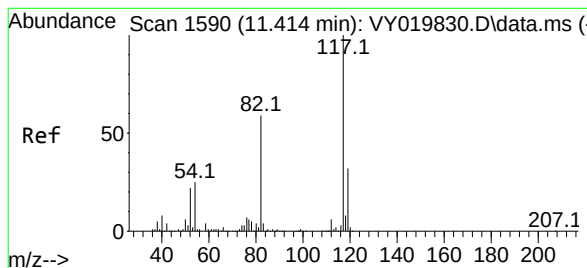
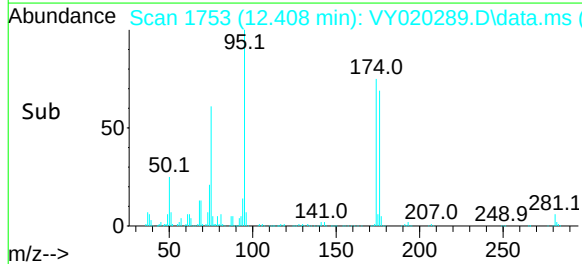
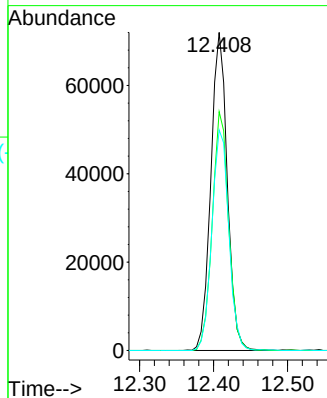
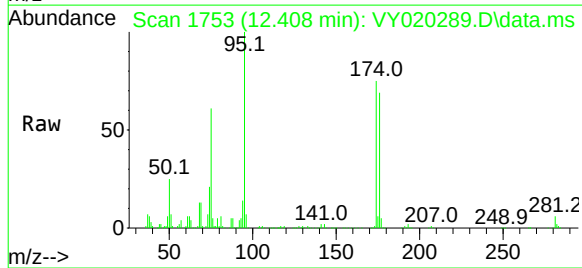
Tgt Ion: 95 Resp: 111159

Ion Ratio Lower Upper

95 100

174 74.6 0.0 175.6

176 71.4 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY020289.D

Acq: 13 Nov 2024 17:36

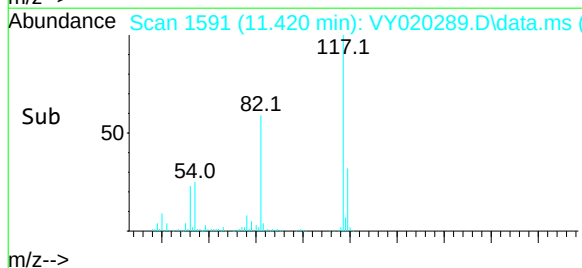
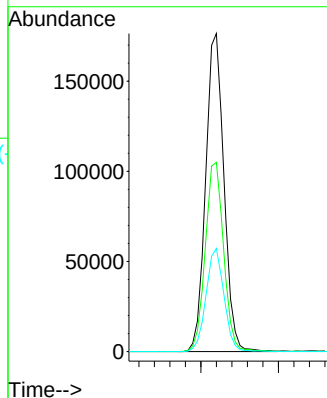
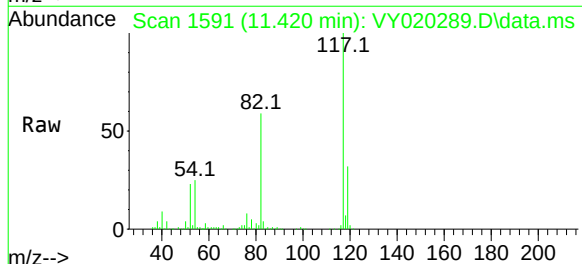
Tgt Ion: 117 Resp: 288894

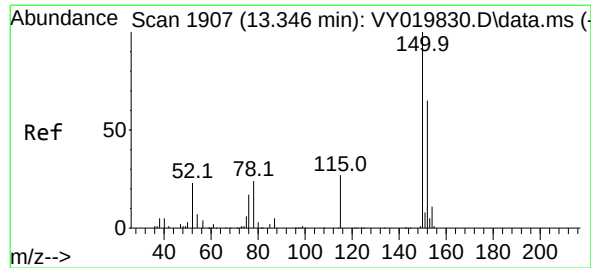
Ion Ratio Lower Upper

117 100

82 59.5 42.4 63.6

119 32.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 19

Delta R.T. 0.000 min

Lab File: VY020289.D

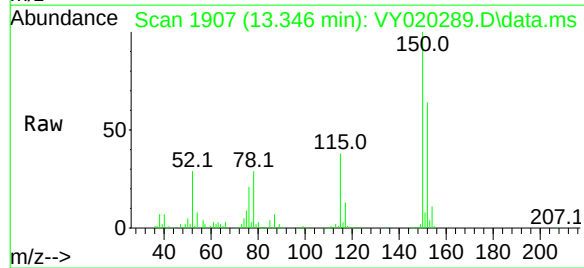
Acq: 13 Nov 2024 17:36

Instrument :

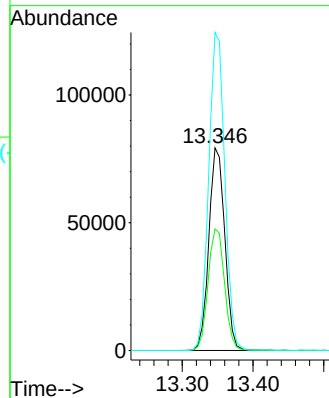
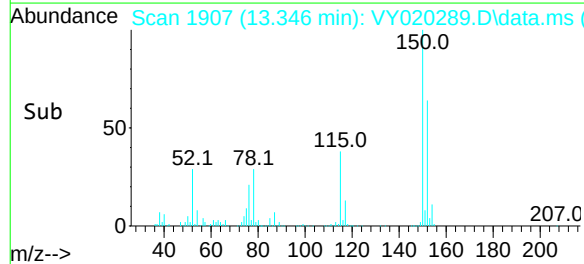
MSVOA_Y

ClientSampleId :

SOIL-1



Tgt Ion:	152	Resp:	124141
Ion	Ratio	Lower	Upper
152	100		
115	61.9	28.2	84.7
150	158.5	0.0	345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020289.D
 Acq On : 13 Nov 2024 17:36
 Operator : SY/MD
 Sample : P4822-01
 Misc : 5.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-1

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_Y\methods\82Y103024S.M
 Title : SW846 8260

Signal : TIC: VY020289.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	464	476	489	rBV2	16639	53036	4.57%	0.855%
2	7.427	924	936	946	rBV2	20321	51955	4.48%	0.838%
3	7.640	958	971	977	rBV	176810	429544	37.01%	6.927%
4	7.713	977	983	996	rVB	257345	573760	49.44%	9.253%
5	8.067	1032	1041	1052	rBV	182230	394563	34.00%	6.363%
6	8.616	1123	1131	1143	rBV	467640	950578	81.90%	15.330%
7	10.109	1368	1376	1392	rBV	670503	1160624	100.00%	18.718%
8	11.420	1583	1591	1604	rBV	578507	966810	83.30%	15.592%
9	12.408	1745	1753	1764	rBV2	402340	660369	56.90%	10.650%
10	13.346	1901	1907	1915	rVB	533174	830656	71.57%	13.396%
11	13.889	1990	1996	2005	rVB2	80200	128807	11.10%	2.077%

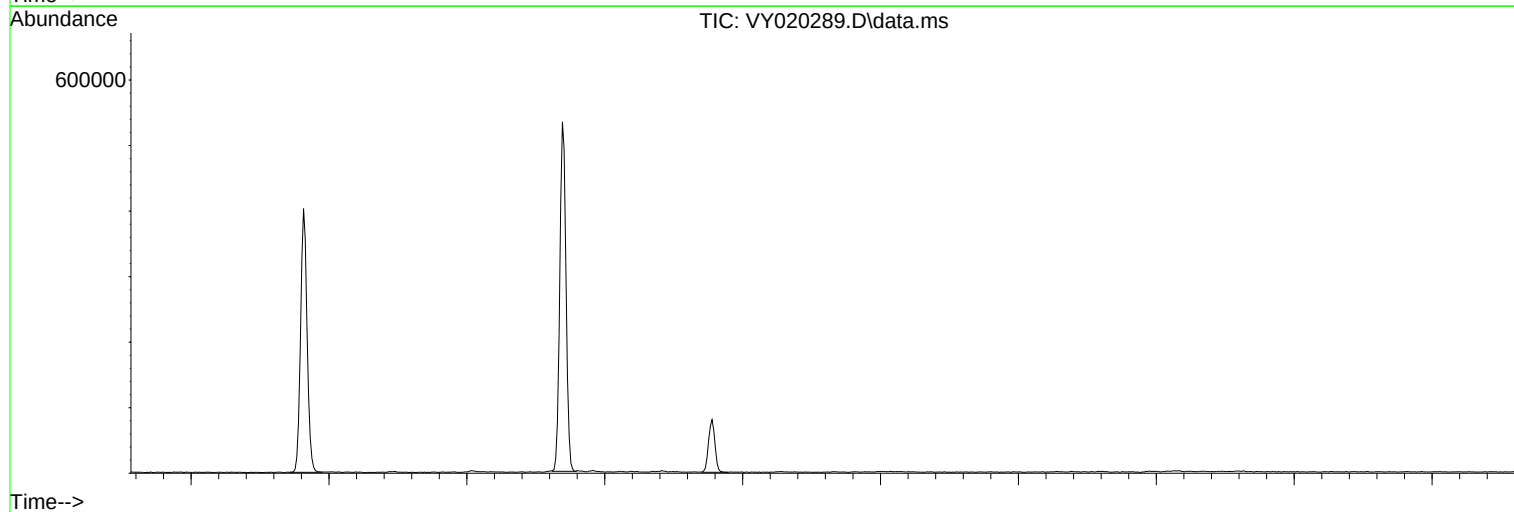
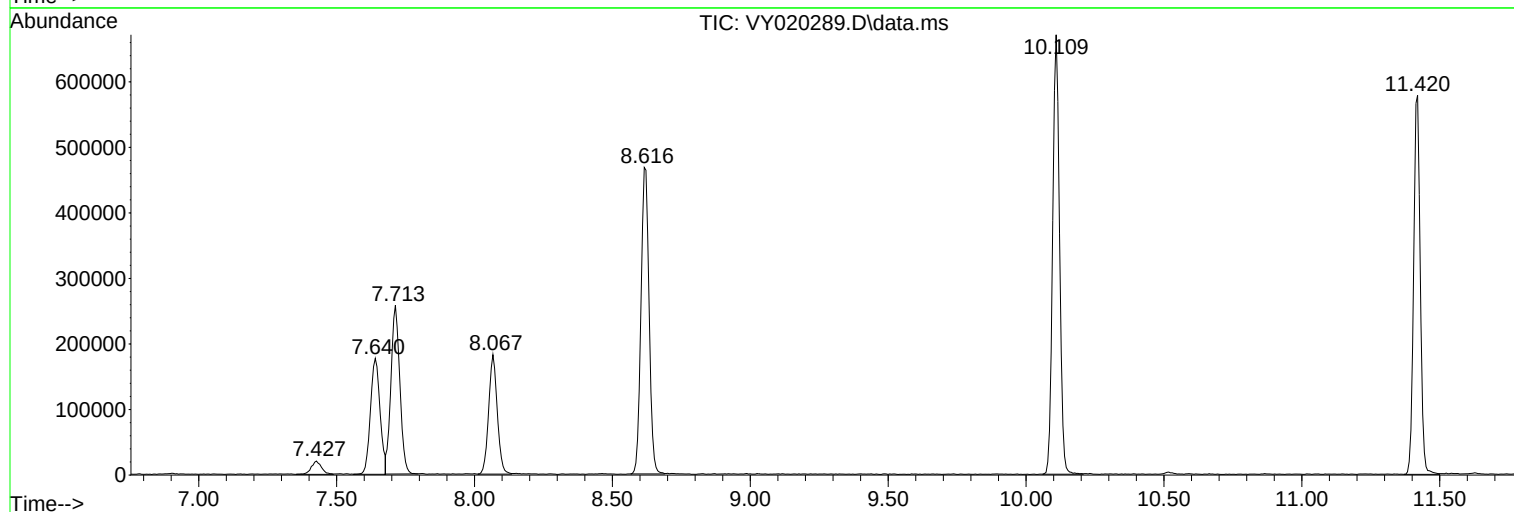
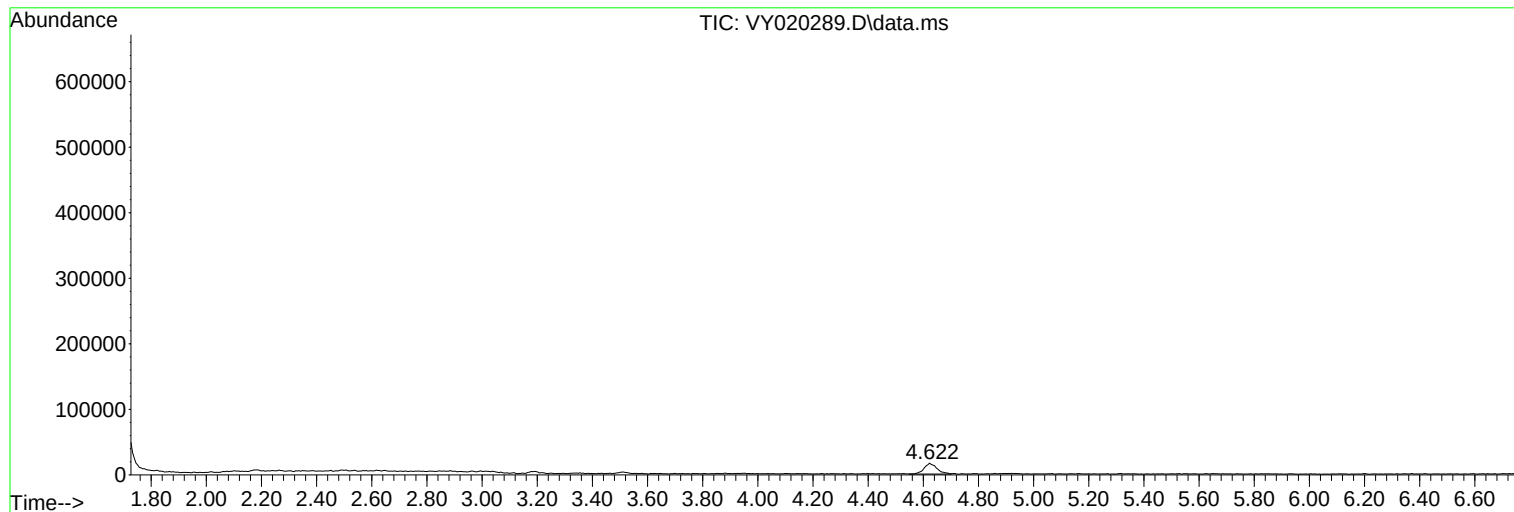
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020289.D
Acq On : 13 Nov 2024 17:36
Operator : SY/MD
Sample : P4822-01
Misc : 5.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020289.D
Acq On : 13 Nov 2024 17:36
Operator : SY/MD
Sample : P4822-01
Misc : 5.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

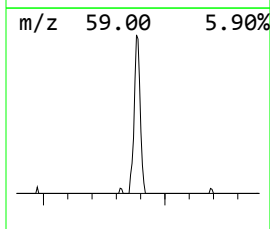
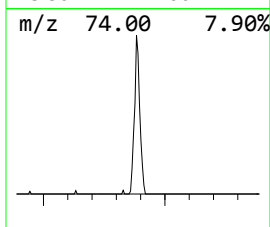
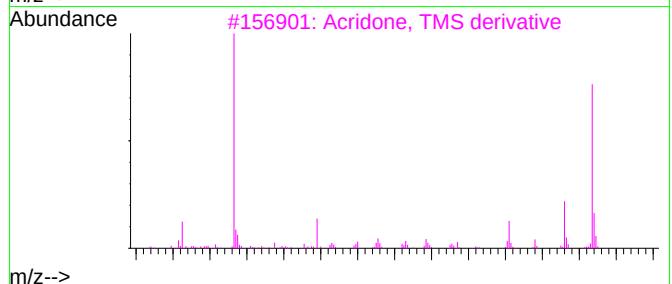
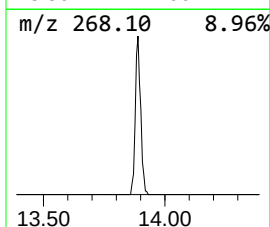
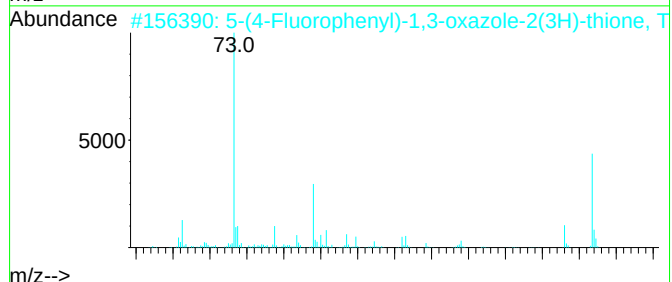
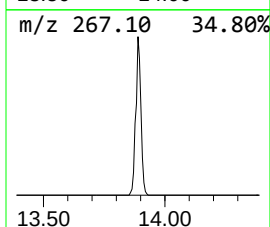
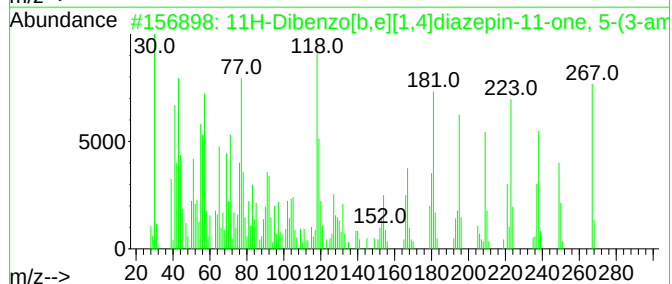
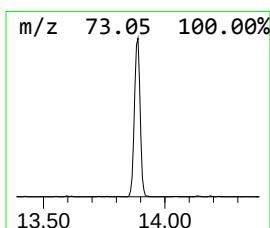
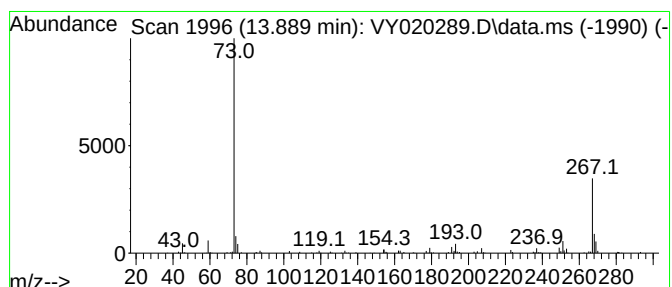
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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

Peak Number 1 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.889	7.75 ug/l	128807	1,4-Dichlorobenzene-d4	13.346	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	80
2	5-(4-Fluorophenyl)-1,3-oxazole-2...	267	C12H14FNOSSi	1000497-07-6	53
3	Acridone, TMS derivative	267	C16H17NOSi	1000478-16-0	53
4	2-Amino-m-cresol, N,O-bis(trimet...	267	C13H25NOSi2	1000449-77-1	50
5	4-(Methylamino)phenol, N,O-bis(t...	267	C13H25NOSi2	1000471-13-0	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020289.D
Acq On : 13 Nov 2024 17:36
Operator : SY/MD
Sample : P4822-01
Misc : 5.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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
11H-Dibenzo[b,e...	13.889	7.8	ug/l	128807	4	13.346	830656	50.0

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-2	SDG No.:	P4822
Lab Sample ID:	P4822-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.8
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020288.D	1		11/13/24 17:12	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.40	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.40	ug/Kg
75-01-4	Vinyl Chloride	0.67	U	0.67	4.40	ug/Kg
74-83-9	Bromomethane	0.90	U	0.90	4.40	ug/Kg
75-00-3	Chloroethane	0.88	U	0.88	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.80	U	0.80	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.94	U	0.94	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.68	U	0.68	4.40	ug/Kg
67-64-1	Acetone	5.50	U	5.50	21.9	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.40	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	4.40	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.55	U	0.55	4.40	ug/Kg
110-82-7	Cyclohexane	0.60	U	0.60	4.40	ug/Kg
78-93-3	2-Butanone	5.00	U	5.00	21.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.76	UQ	0.76	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.53	U	0.53	4.40	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	4.40	ug/Kg
67-66-3	Chloroform	0.59	U	0.59	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.68	U	0.68	4.40	ug/Kg
108-87-2	Methylcyclohexane	0.76	U	0.76	4.40	ug/Kg
71-43-2	Benzene	0.63	UQ	0.63	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.53	UQ	0.53	4.40	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.58	UQ	0.58	4.40	ug/Kg
75-27-4	Bromodichloromethane	0.49	UQ	0.49	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	21.9	ug/Kg
108-88-3	Toluene	0.59	U	0.59	4.40	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-2	SDG No.:	P4822
Lab Sample ID:	P4822-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.8
Sample Wt/Vol:	6.22	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020288.D	1		11/13/24 17:12	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	UQ	0.50	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.74	UQ	0.74	4.40	ug/Kg
591-78-6	2-Hexanone	4.20	U	4.20	21.9	ug/Kg
124-48-1	Dibromochloromethane	0.57	UQ	0.57	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.69	U	0.69	4.40	ug/Kg
127-18-4	Tetrachloroethene	0.78	UQ	0.78	4.40	ug/Kg
108-90-7	Chlorobenzene	0.65	U	0.65	4.40	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.40	ug/Kg
179601-23-1	m/p-Xylenes	1.20	UQ	1.20	8.80	ug/Kg
95-47-6	o-Xylene	0.61	UQ	0.61	4.40	ug/Kg
100-42-5	Styrene	0.53	UQ	0.53	4.40	ug/Kg
75-25-2	Bromoform	0.71	UQ	0.71	4.40	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.96	U	0.96	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.65	U	0.65	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.70	U	0.70	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.52	U	0.52	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.69	U	0.69	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.68	U	0.68	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		70 (50) - 130 (163)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	48.5		70 (58) - 130 (134)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.6		70 (29) - 130 (146)	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	265000	7.713			
540-36-3	1,4-Difluorobenzene	539000	8.616			
3114-55-4	Chlorobenzene-d5	473000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	153000	13.353			

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	11/12/24	
Project:	BAPS North Bergen		Date Received:	11/12/24	
Client Sample ID:	SOIL-2		SDG No.:	P4822	
Lab Sample ID:	P4822-03		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	91.8	
Sample Wt/Vol:	6.22	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020288.D	1		11/13/24 17:12	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020288.D
 Acq On : 13 Nov 2024 17:12
 Operator : SY/MD
 Sample : P4822-03
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-2

Quant Time: Nov 14 01:00:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	264987	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	538681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	472561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	152978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	163127	49.325	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.640%
35) Dibromofluoromethane	7.640	113	169064	49.363	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.720%
50) Toluene-d8	10.109	98	660885	48.478	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.960%
62) 4-Bromofluorobenzene	12.408	95	188805	42.638	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	85.280%

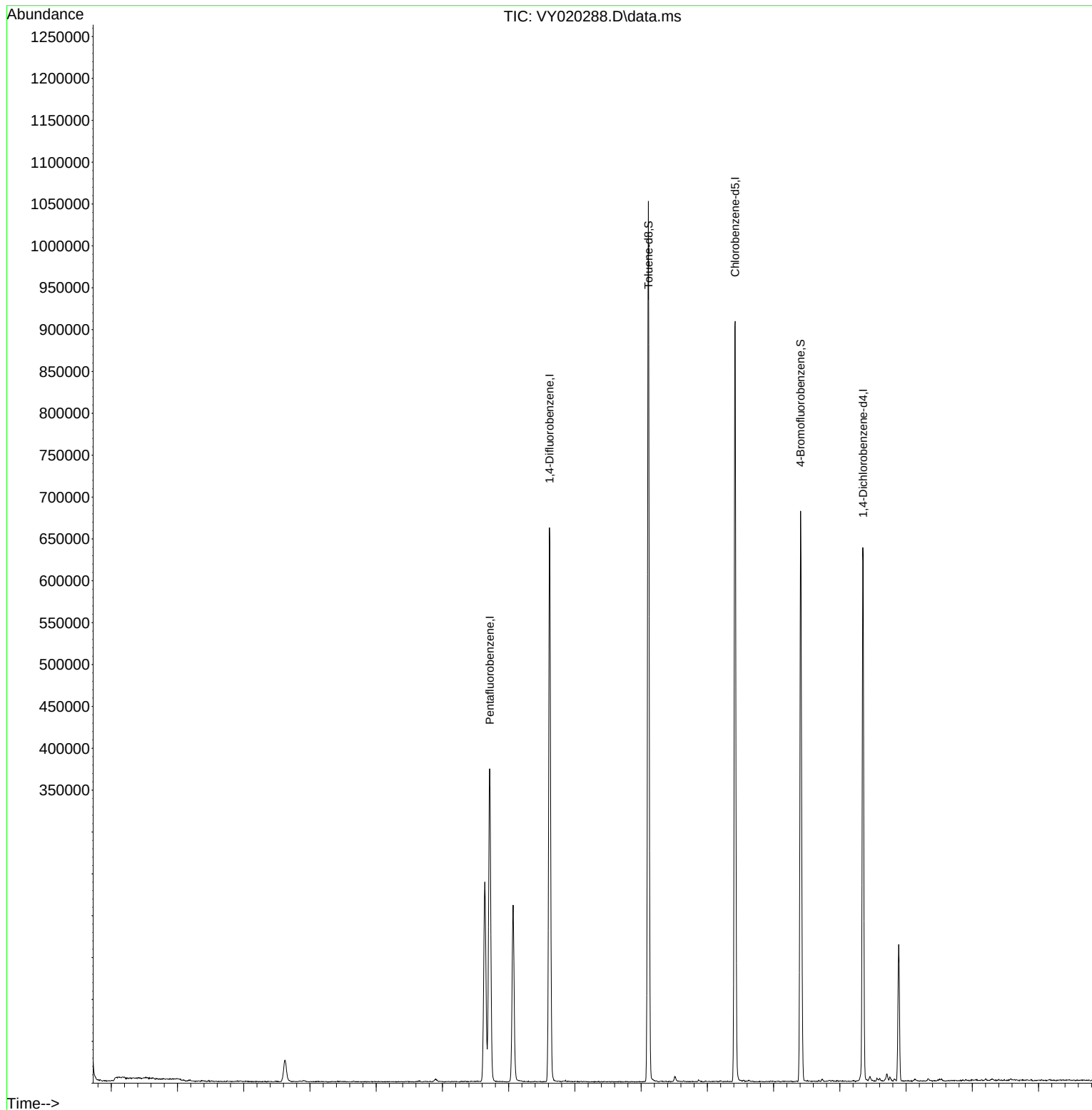
Target Compounds Qvalue

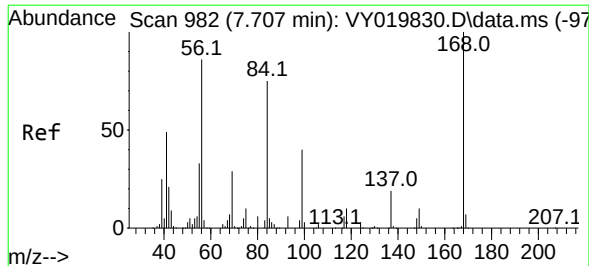
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020288.D
Acq On : 13 Nov 2024 17:12
Operator : SY/MD
Sample : P4822-03
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

Quant Time: Nov 14 01:00:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

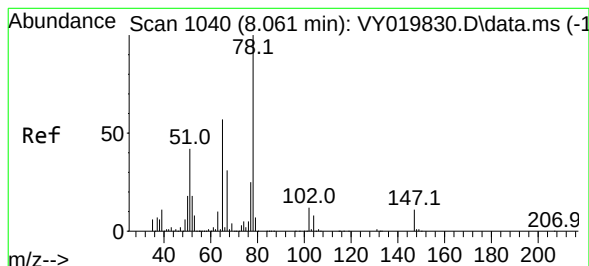
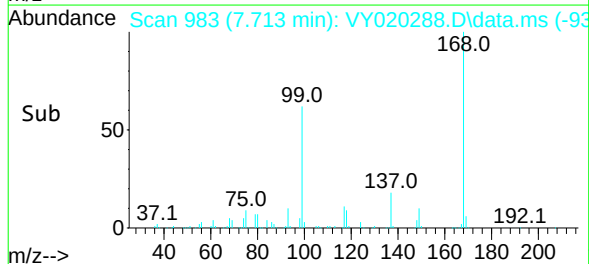
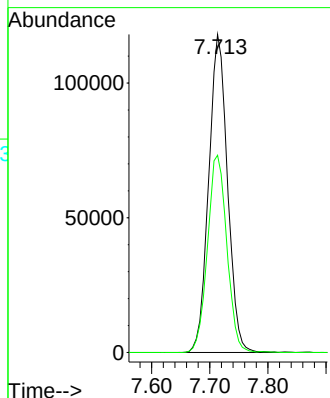
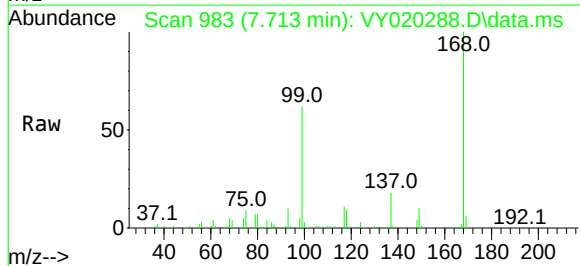




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020288.D
Acq: 13 Nov 2024 17:12

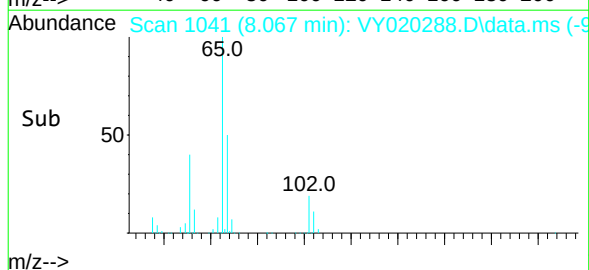
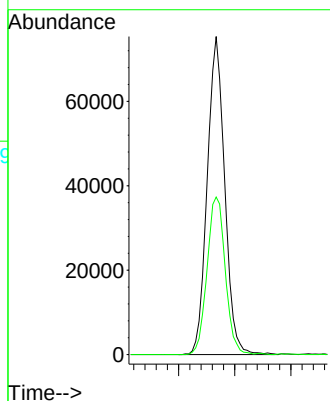
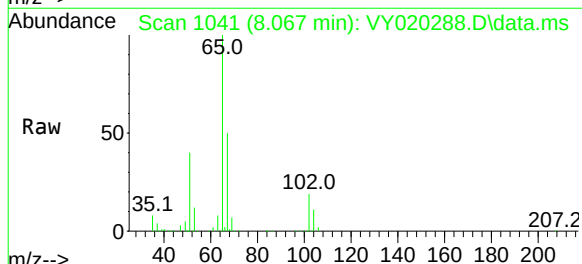
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

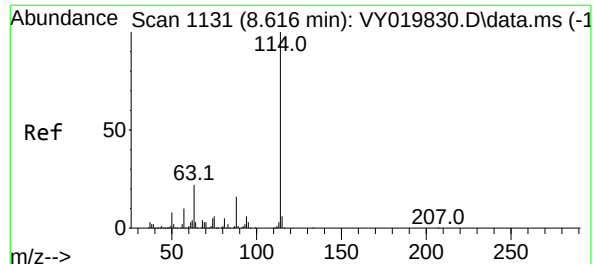
Tgt Ion: 168 Resp: 264987
Ion Ratio Lower Upper
168 100
99 62.0 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 49.325 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020288.D
Acq: 13 Nov 2024 17:12

Tgt Ion: 65 Resp: 163127
Ion Ratio Lower Upper
65 100
67 51.6 0.0 109.6

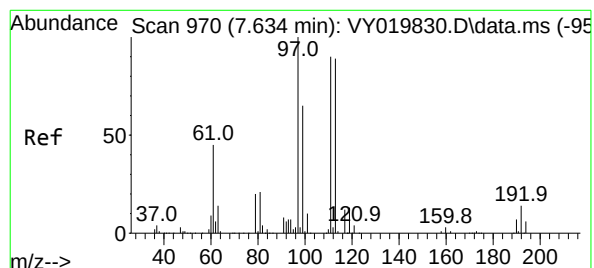
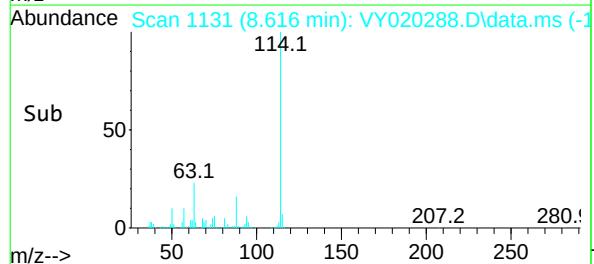
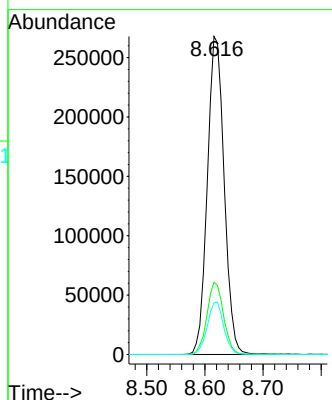
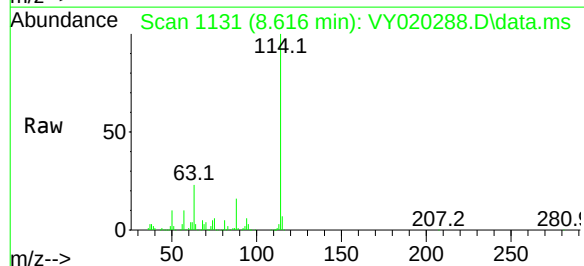




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020288.D
Acq: 13 Nov 2024 17:12

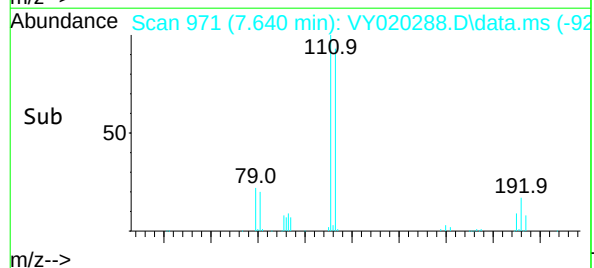
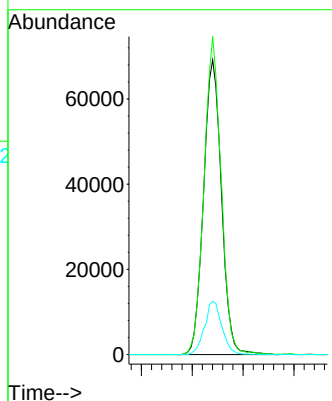
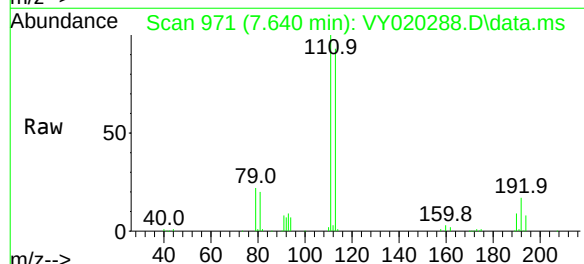
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

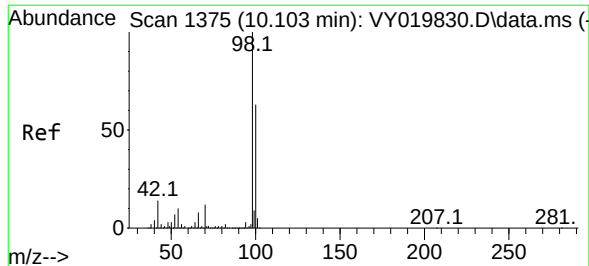
Tgt Ion:	114	Resp:	538681
Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	35.0
88	16.3	0.0	27.2



#35
Dibromofluoromethane
Concen: 49.363 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020288.D
Acq: 13 Nov 2024 17:12

Tgt Ion:	113	Resp:	169064
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	17.6	15.9	23.9





#50

Toluene-d8

Concen: 48.478 ug/l

RT: 10.109 min Scan# 13

Delta R.T. 0.000 min

Lab File: VY020288.D

Acq: 13 Nov 2024 17:12

Instrument :

MSVOA_Y

ClientSampleId :

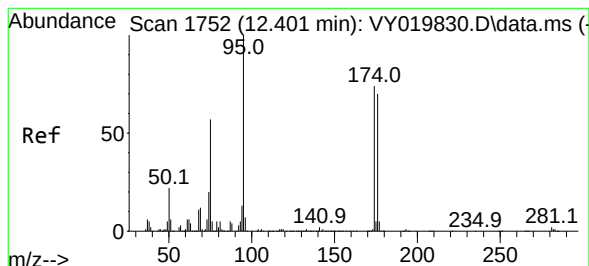
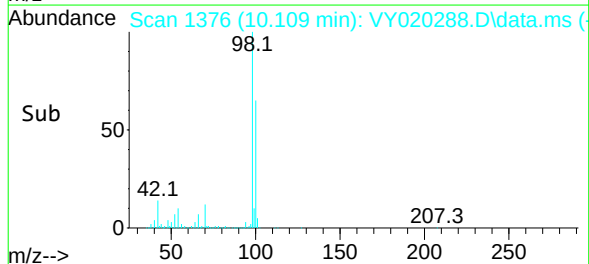
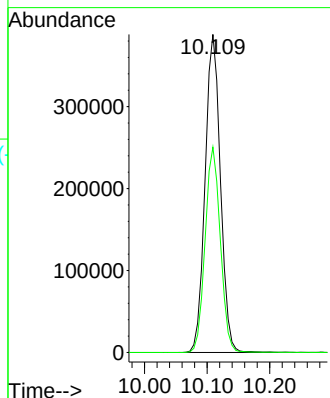
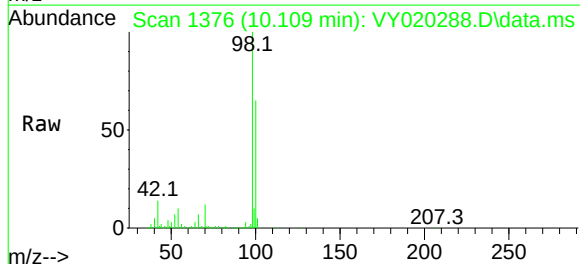
SOIL-2

Tgt Ion: 98 Resp: 660885

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 42.638 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020288.D

Acq: 13 Nov 2024 17:12

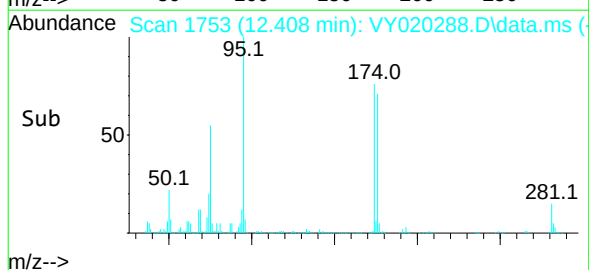
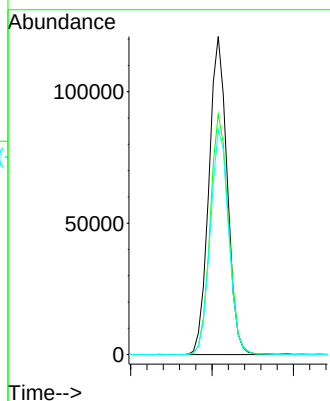
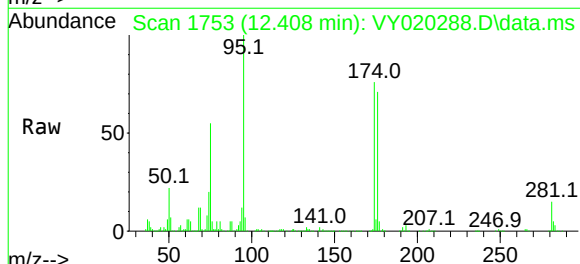
Tgt Ion: 95 Resp: 188805

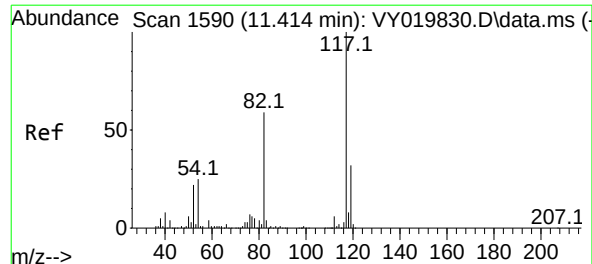
Ion Ratio Lower Upper

95 100

174 76.0 0.0 175.6

176 71.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 15

Delta R.T. 0.000 min

Lab File: VY020288.D

Acq: 13 Nov 2024 17:12

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-2

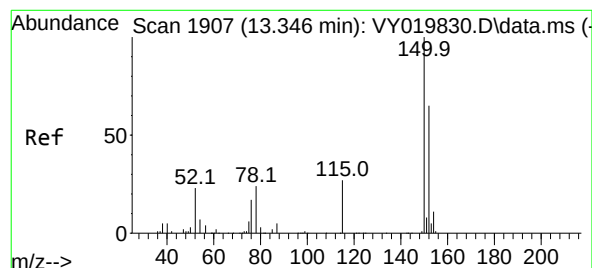
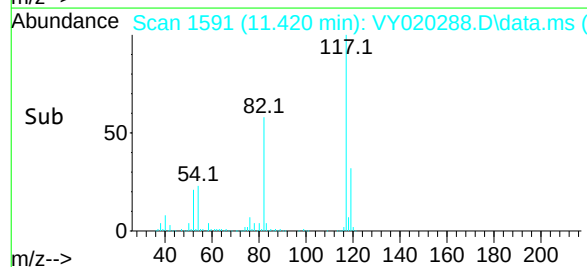
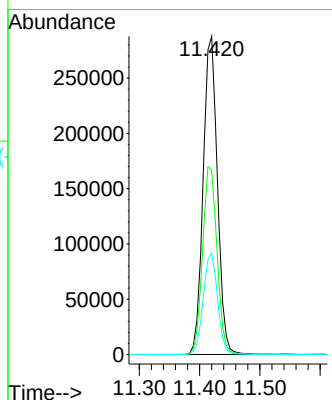
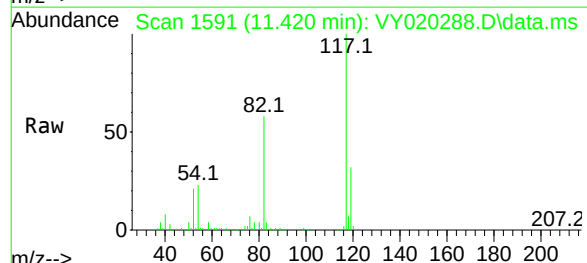
Tgt Ion:117 Resp: 472561

Ion Ratio Lower Upper

117 100

82 58.0 42.4 63.6

119 31.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY020288.D

Acq: 13 Nov 2024 17:12

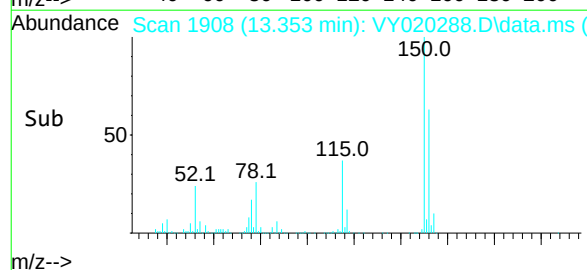
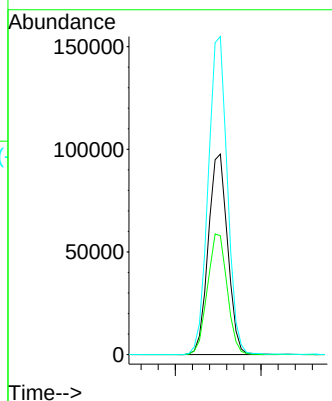
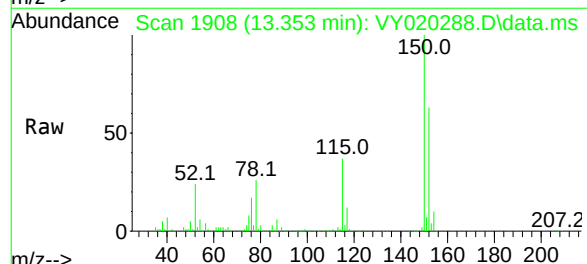
Tgt Ion:152 Resp: 152978

Ion Ratio Lower Upper

152 100

115 61.3 28.2 84.7

150 157.3 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020288.D
 Acq On : 13 Nov 2024 17:12
 Operator : SY/MD
 Sample : P4822-03
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-2

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_Y\methods\82Y103024S.M
 Title : SW846 8260

Signal : TIC: VY020288.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	466	476	486	rBV3	25656	80907	4.52%	0.888%
2	7.640	961	971	977	rBV	238369	571414	31.89%	6.275%
3	7.713	977	983	996	rVB	373264	850964	47.49%	9.345%
4	8.067	1029	1041	1052	rBV	211187	461267	25.74%	5.065%
5	8.616	1123	1131	1144	rBV	661672	1325533	73.98%	14.556%
6	10.109	1368	1376	1390	rBV	1051316	1791745	100.00%	19.676%
7	11.420	1583	1591	1603	rBV	908368	1534774	85.66%	16.854%
8	12.408	1746	1753	1762	rBV2	681506	1197570	66.84%	13.151%
9	13.346	1896	1907	1916	rBV	636699	1008040	56.26%	11.070%
10	13.712	1957	1967	1971	rBV2	8730	18462	1.03%	0.203%
11	13.889	1990	1996	2005	rVB2	163188	265603	14.82%	2.917%

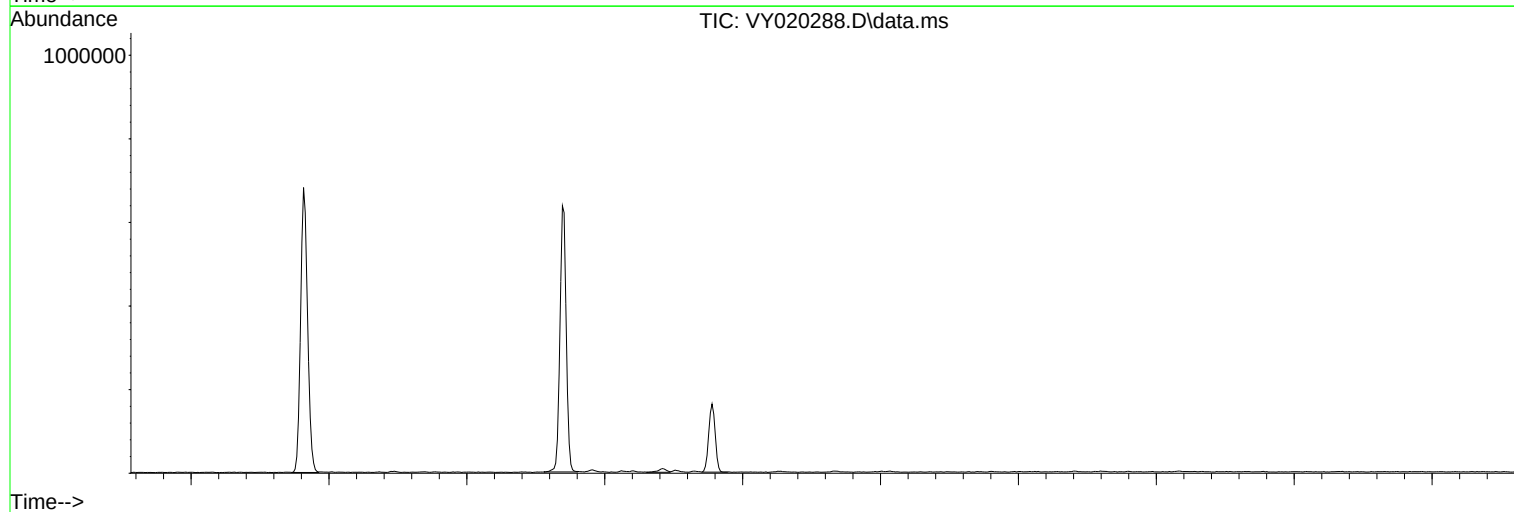
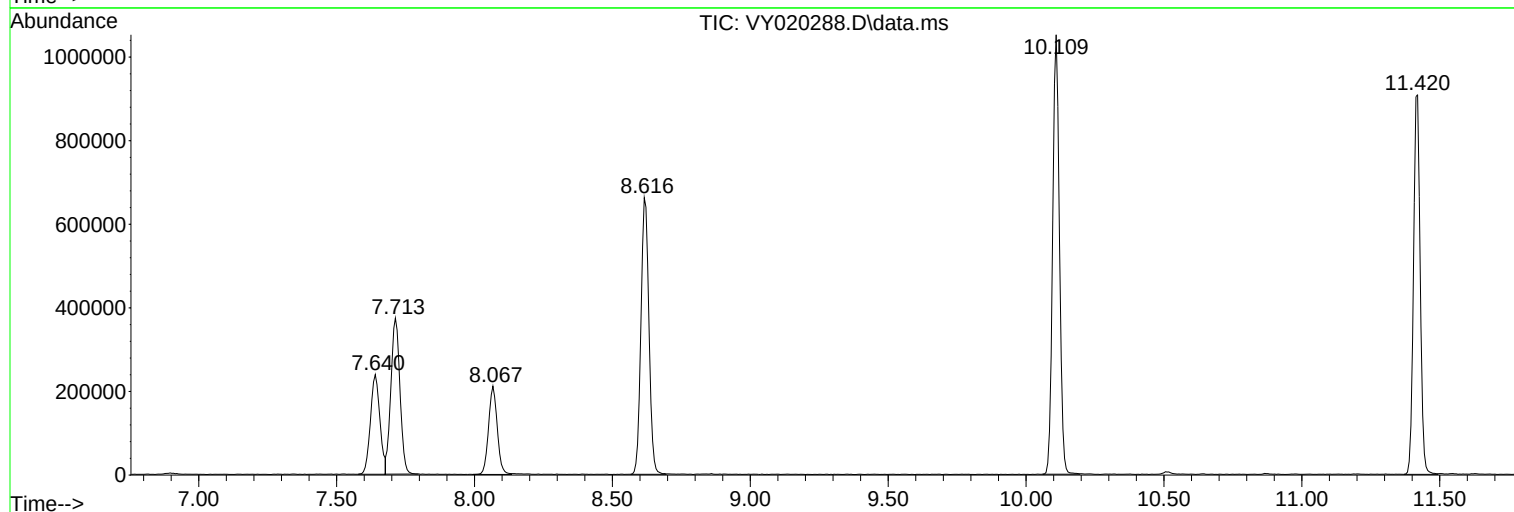
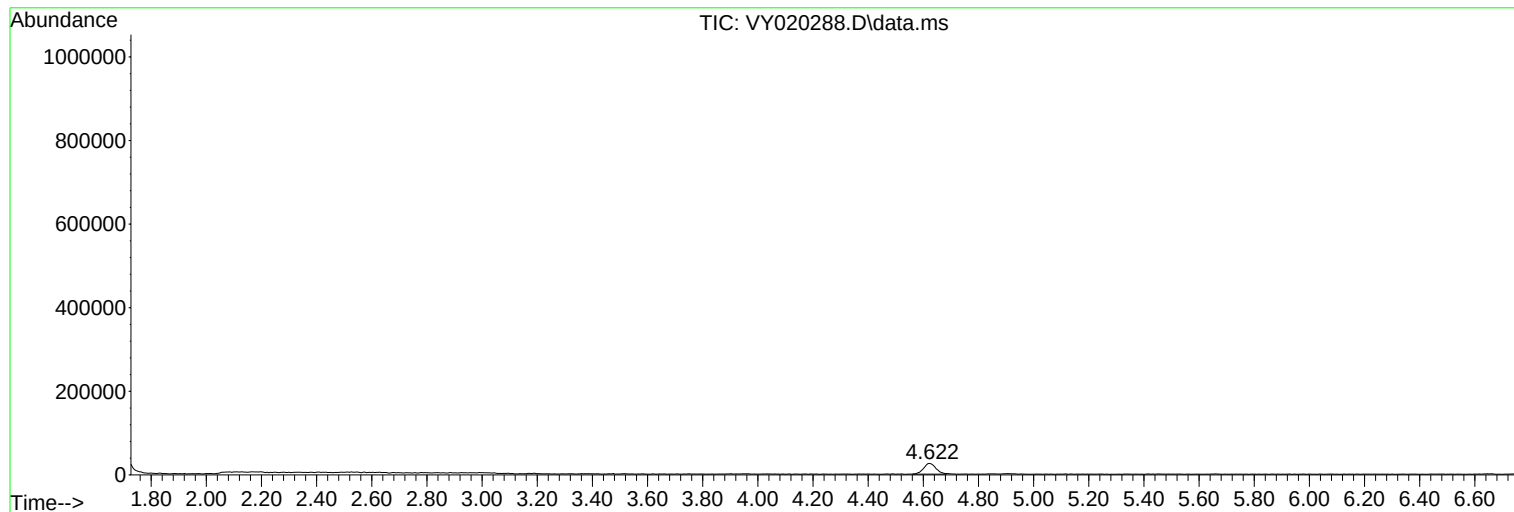
Sum of corrected areas: 9106279

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020288.D
Acq On : 13 Nov 2024 17:12
Operator : SY/MD
Sample : P4822-03
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020288.D
Acq On : 13 Nov 2024 17:12
Operator : SY/MD
Sample : P4822-03
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020288.D
Acq On : 13 Nov 2024 17:12
Operator : SY/MD
Sample : P4822-03
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3	SDG No.:	P4822
Lab Sample ID:	P4822-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.5
Sample Wt/Vol:	5.68	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020290.D	1		11/13/24 17:59	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	4.80	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.80	ug/Kg
75-01-4	Vinyl Chloride	0.73	U	0.73	4.80	ug/Kg
74-83-9	Bromomethane	0.98	U	0.98	4.80	ug/Kg
75-00-3	Chloroethane	0.96	U	0.96	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.87	U	0.87	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	4.80	ug/Kg
67-64-1	Acetone	5.90	U	5.90	23.8	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.64	U	0.64	4.80	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	4.80	ug/Kg
75-09-2	Methylene Chloride	5.50	J	3.20	9.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.60	U	0.60	4.80	ug/Kg
110-82-7	Cyclohexane	0.66	U	0.66	4.80	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	23.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.83	UQ	0.83	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.58	U	0.58	4.80	ug/Kg
74-97-5	Bromochloromethane	2.30	U	2.30	4.80	ug/Kg
67-66-3	Chloroform	0.64	U	0.64	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.74	U	0.74	4.80	ug/Kg
108-87-2	Methylcyclohexane	0.83	U	0.83	4.80	ug/Kg
71-43-2	Benzene	0.69	UQ	0.69	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	UQ	0.58	4.80	ug/Kg
79-01-6	Trichloroethene	0.71	U	0.71	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.63	UQ	0.63	4.80	ug/Kg
75-27-4	Bromodichloromethane	0.53	UQ	0.53	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.10	U	4.10	23.8	ug/Kg
108-88-3	Toluene	0.64	U	0.64	4.80	ug/Kg

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	11/12/24	
Project:	BAPS North Bergen		Date Received:	11/12/24	
Client Sample ID:	SOIL-3		SDG No.:	P4822	
Lab Sample ID:	P4822-05		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	92.5	
Sample Wt/Vol:	5.68	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020290.D	1		11/13/24 17:59	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.57	U	0.57	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.54	UQ	0.54	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.80	UQ	0.80	4.80	ug/Kg
591-78-6	2-Hexanone	4.60	U	4.60	23.8	ug/Kg
124-48-1	Dibromochloromethane	0.62	UQ	0.62	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.75	U	0.75	4.80	ug/Kg
127-18-4	Tetrachloroethene	0.85	UQ	0.85	4.80	ug/Kg
108-90-7	Chlorobenzene	0.70	U	0.70	4.80	ug/Kg
100-41-4	Ethyl Benzene	0.59	U	0.59	4.80	ug/Kg
179601-23-1	m/p-Xylenes	1.30	UQ	1.30	9.50	ug/Kg
95-47-6	o-Xylene	0.67	UQ	0.67	4.80	ug/Kg
100-42-5	Styrene	0.57	UQ	0.57	4.80	ug/Kg
75-25-2	Bromoform	0.77	UQ	0.77	4.80	ug/Kg
98-82-8	Isopropylbenzene	0.64	U	0.64	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.70	U	0.70	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.76	U	0.76	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.56	U	0.56	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.75	U	0.75	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.74	U	0.74	4.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (50) - 130 (163)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		70 (54) - 130 (147)	110%	SPK: 50
2037-26-5	Toluene-d8	63.7		70 (58) - 130 (134)	127%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.2		70 (29) - 130 (146)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	152000	7.713			
540-36-3	1,4-Difluorobenzene	316000	8.622			
3114-55-4	Chlorobenzene-d5	305000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	79500	13.347			

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	11/12/24	
Project:	BAPS North Bergen		Date Received:	11/12/24	
Client Sample ID:	SOIL-3		SDG No.:	P4822	
Lab Sample ID:	P4822-05		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	92.5	
Sample Wt/Vol:	5.68	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020290.D	1		11/13/24 17:59	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020290.D
 Acq On : 13 Nov 2024 17:59
 Operator : SY/MD
 Sample : P4822-05
 Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-3

Quant Time: Nov 14 02:17:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

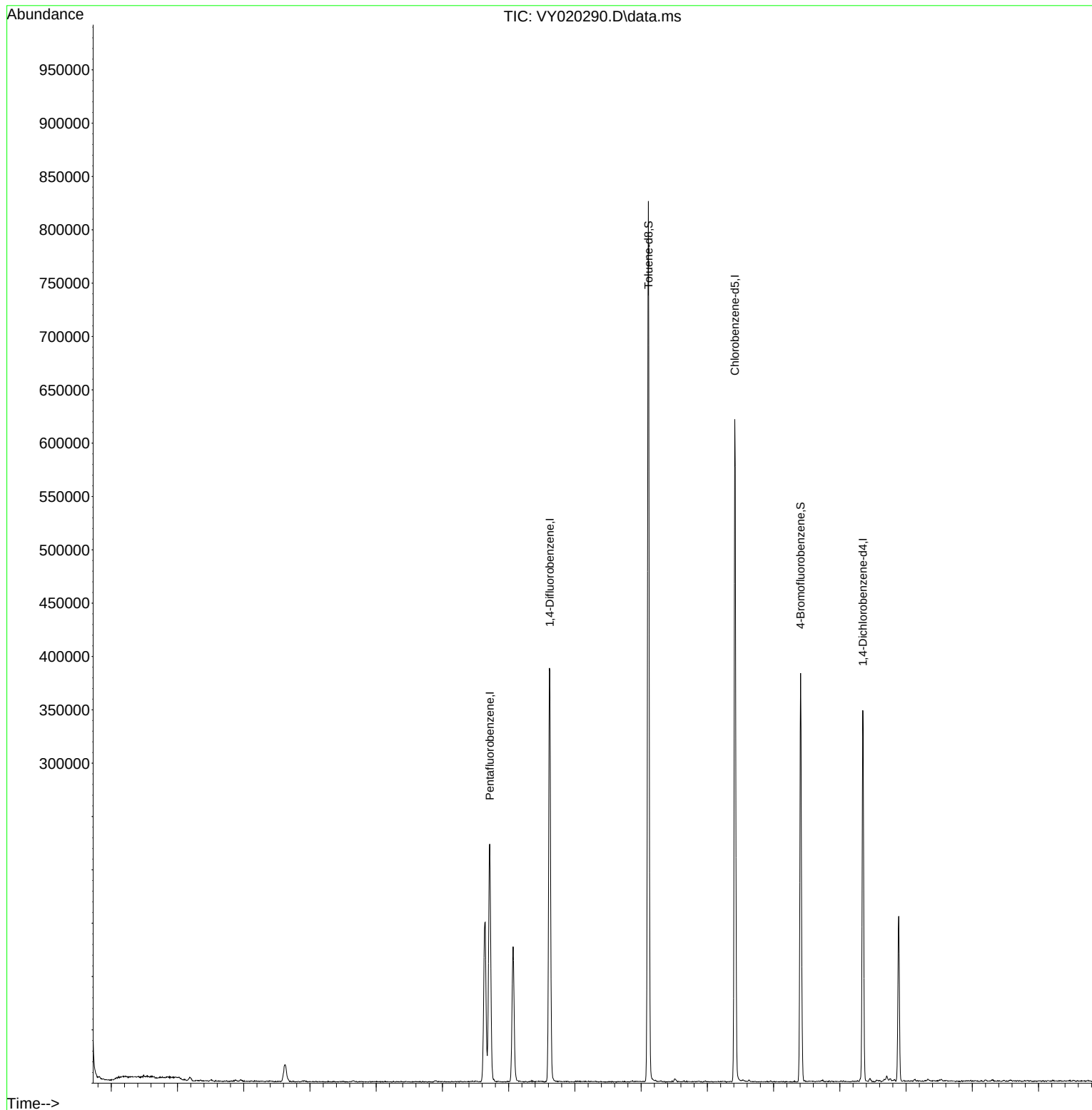
Internal Standards						
1) Pentafluorobenzene	7.713	168	152208	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	316218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	304518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	79473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	99050	52.141	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.280%	
35) Dibromofluoromethane	7.640	113	110168	54.796	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.600%	
50) Toluene-d8	10.109	98	509690	63.689	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 127.380%	
62) 4-Bromofluorobenzene	12.408	95	104536	40.216	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 80.440%	
Target Compounds						
20) Methylene Chloride	4.629	84	11450	5.770	ug/l	Qvalue 93

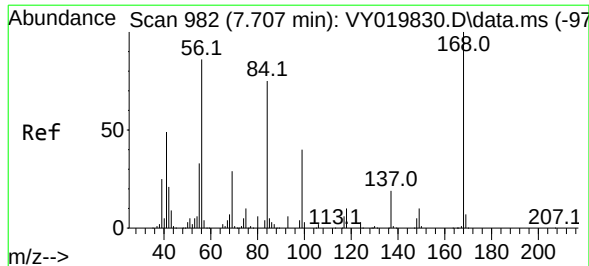
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020290.D
Acq On : 13 Nov 2024 17:59
Operator : SY/MD
Sample : P4822-05
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-3

Quant Time: Nov 14 02:17:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

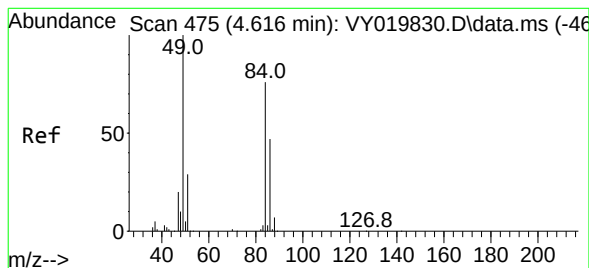
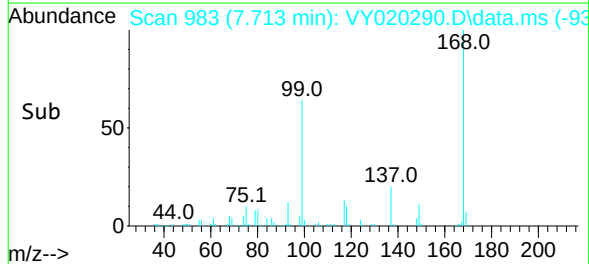
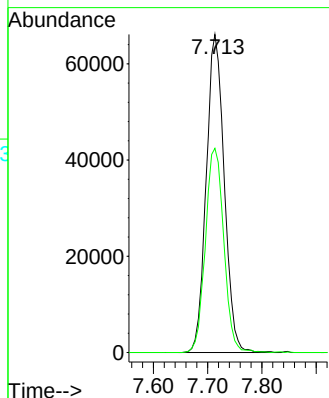
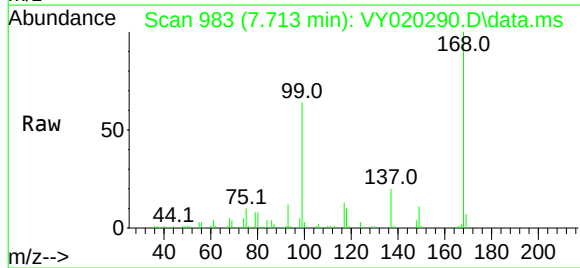




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020290.D
Acq: 13 Nov 2024 17:59

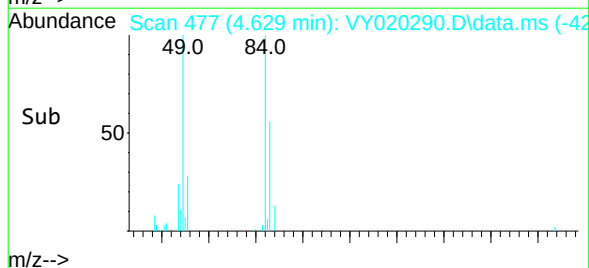
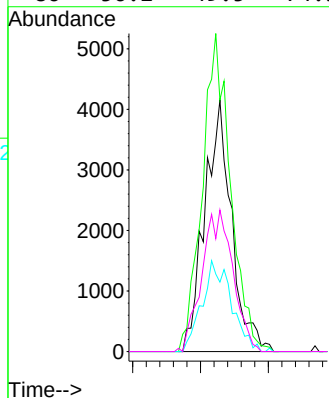
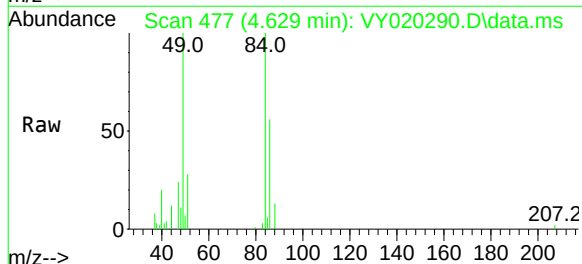
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-3

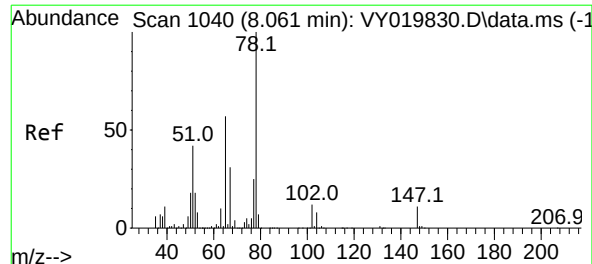
Tgt Ion:168 Resp: 152208
Ion Ratio Lower Upper
168 100
99 64.2 39.1 58.7#



#20
Methylene Chloride
Concen: 5.770 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.013 min
Lab File: VY020290.D
Acq: 13 Nov 2024 17:59

Tgt Ion: 84 Resp: 11450
Ion Ratio Lower Upper
84 100
49 99.9 84.4 126.6
51 27.6 26.0 39.0
86 56.2 49.5 74.3

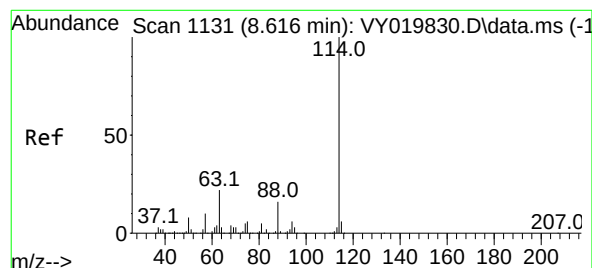
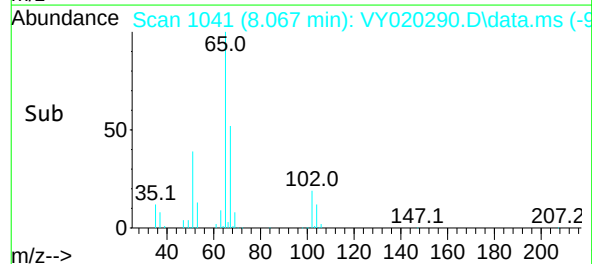
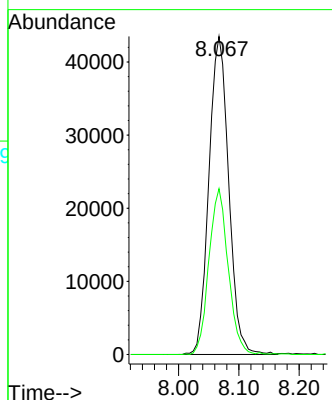
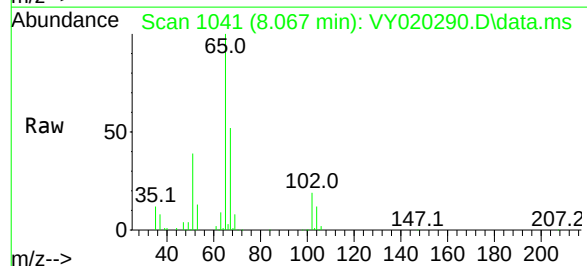




#33
1,2-Dichloroethane-d4
Concen: 52.141 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020290.D
Acq: 13 Nov 2024 17:59

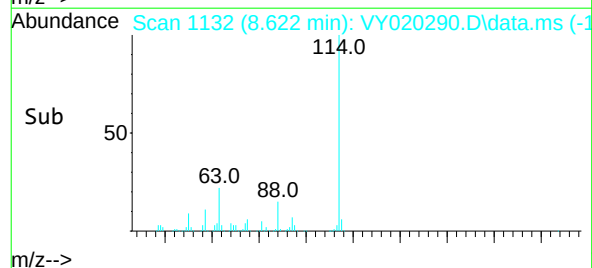
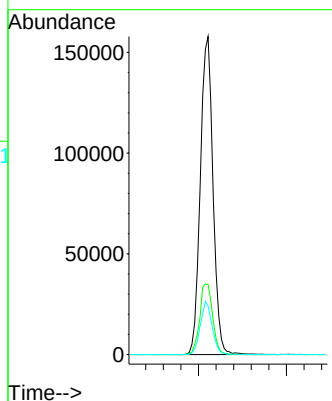
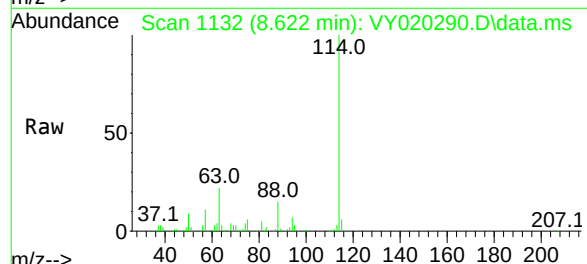
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-3

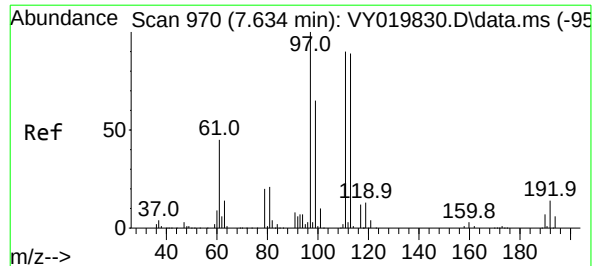
Tgt Ion: 65 Resp: 99050
Ion Ratio Lower Upper
65 100
67 50.7 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY020290.D
Acq: 13 Nov 2024 17:59

Tgt Ion: 114 Resp: 316218
Ion Ratio Lower Upper
114 100
63 22.1 0.0 35.0
88 15.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 54.796 ug/l

RT: 7.640 min Scan# 97

Delta R.T. 0.006 min

Lab File: VY020290.D

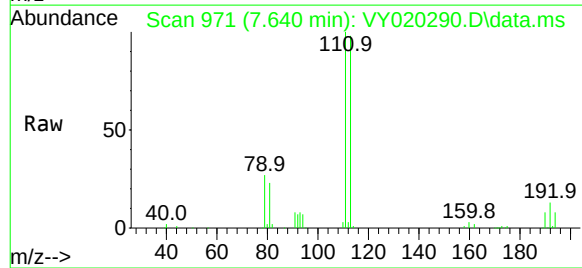
Acq: 13 Nov 2024 17:59

Instrument :

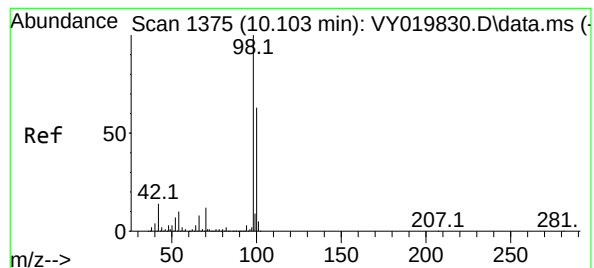
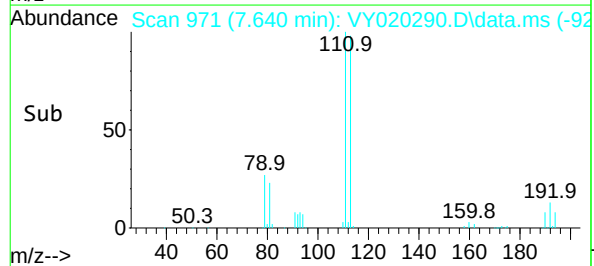
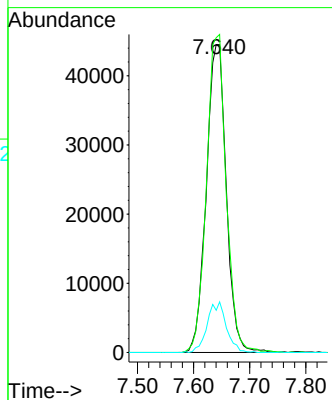
MSVOA_Y

ClientSampleId :

SOIL-3



Tgt Ion:	113	Resp:	110168
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	15.8	15.9	23.9



#50

Toluene-d8

Concen: 63.689 ug/l

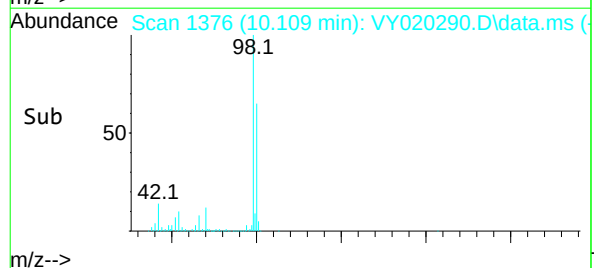
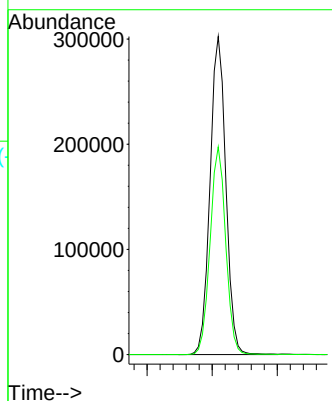
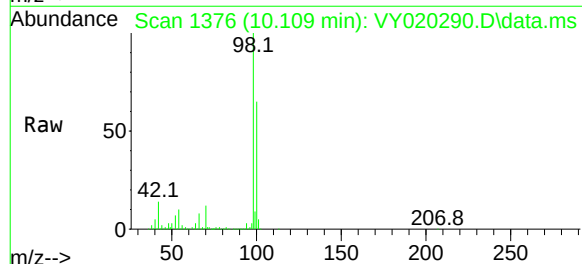
RT: 10.109 min Scan# 1376

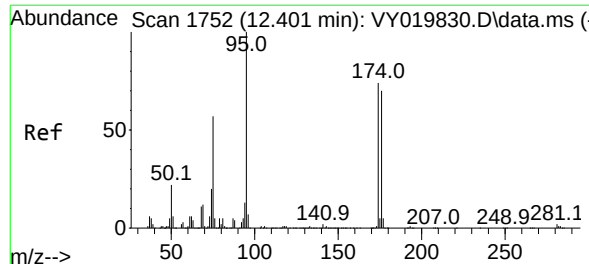
Delta R.T. 0.000 min

Lab File: VY020290.D

Acq: 13 Nov 2024 17:59

Tgt Ion:	98	Resp:	509690
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0





#62

4-Bromofluorobenzene

Concen: 40.216 ug/l

RT: 12.408 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY020290.D

Acq: 13 Nov 2024 17:59

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-3

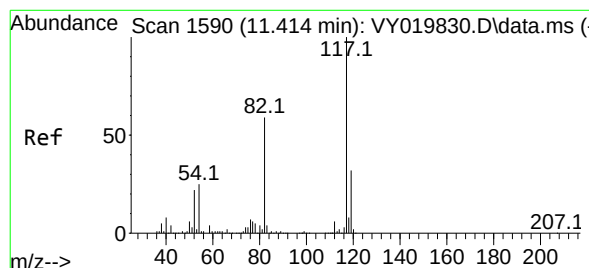
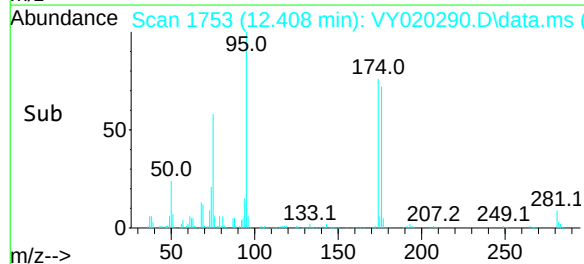
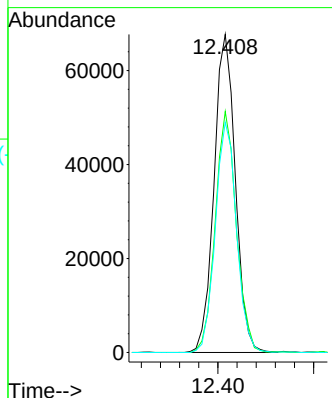
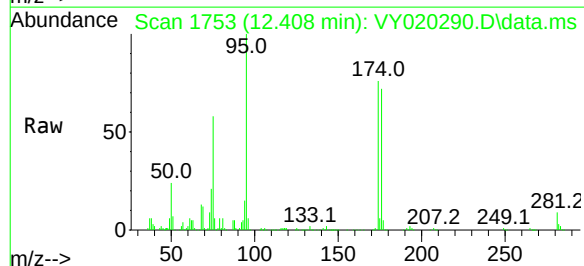
Tgt Ion: 95 Resp: 104536

Ion Ratio Lower Upper

95 100

174 75.0 0.0 175.6

176 72.0 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020290.D

Acq: 13 Nov 2024 17:59

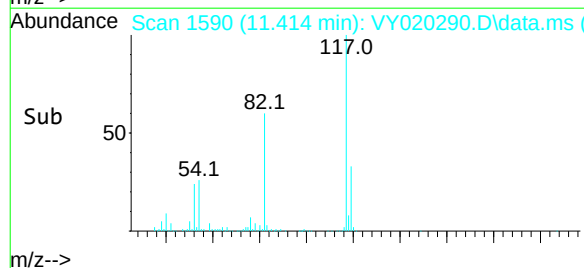
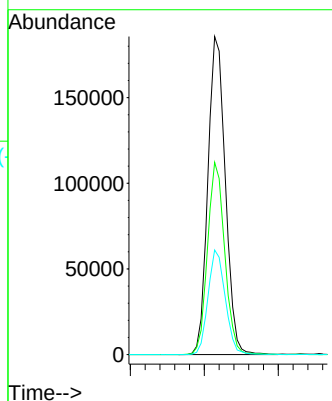
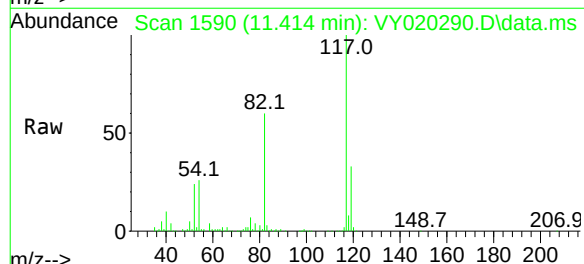
Tgt Ion: 117 Resp: 304518

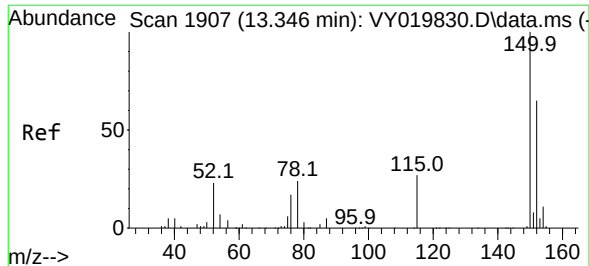
Ion Ratio Lower Upper

117 100

82 60.4 42.4 63.6

119 32.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 19

Delta R.T. 0.000 min

Lab File: VY020290.D

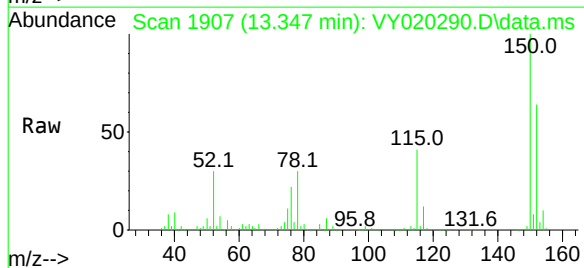
Acq: 13 Nov 2024 17:59

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-3



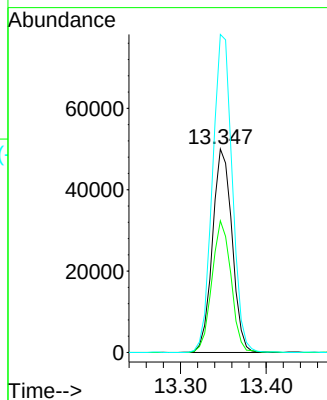
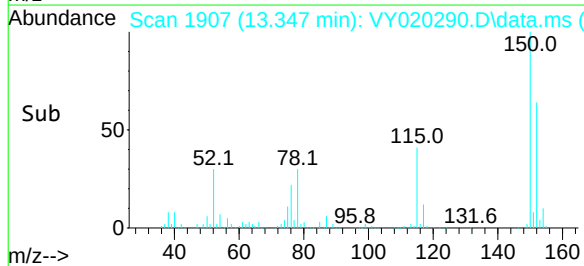
Tgt Ion:152 Resp: 79473

Ion Ratio Lower Upper

152 100

115 63.2 28.2 84.7

150 157.6 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020290.D
Acq On : 13 Nov 2024 17:59
Operator : SY/MD
Sample : P4822-05
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-3

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Title : SW846 8260

Signal : TIC: VY020290.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	467	476	487	rVB3	15854	51081	3.65%	0.873%
2	7.646	961	972	977	rBV2	149755	373506	26.65%	6.381%
3	7.713	977	983	992	rVB	221060	502525	35.86%	8.585%
4	8.067	1031	1041	1051	rBV2	126660	282429	20.15%	4.825%
5	8.616	1123	1131	1144	rBV	387672	789737	56.36%	13.491%
6	10.109	1367	1376	1392	rBV	825559	1401329	100.00%	23.939%
7	11.414	1582	1590	1605	rBV	621067	1014166	72.37%	17.325%
8	12.408	1746	1753	1761	rBV2	383177	635735	45.37%	10.860%
9	13.347	1898	1907	1915	rBV	347920	555536	39.64%	9.490%
10	13.889	1989	1996	2005	rBV2	154691	247741	17.68%	4.232%

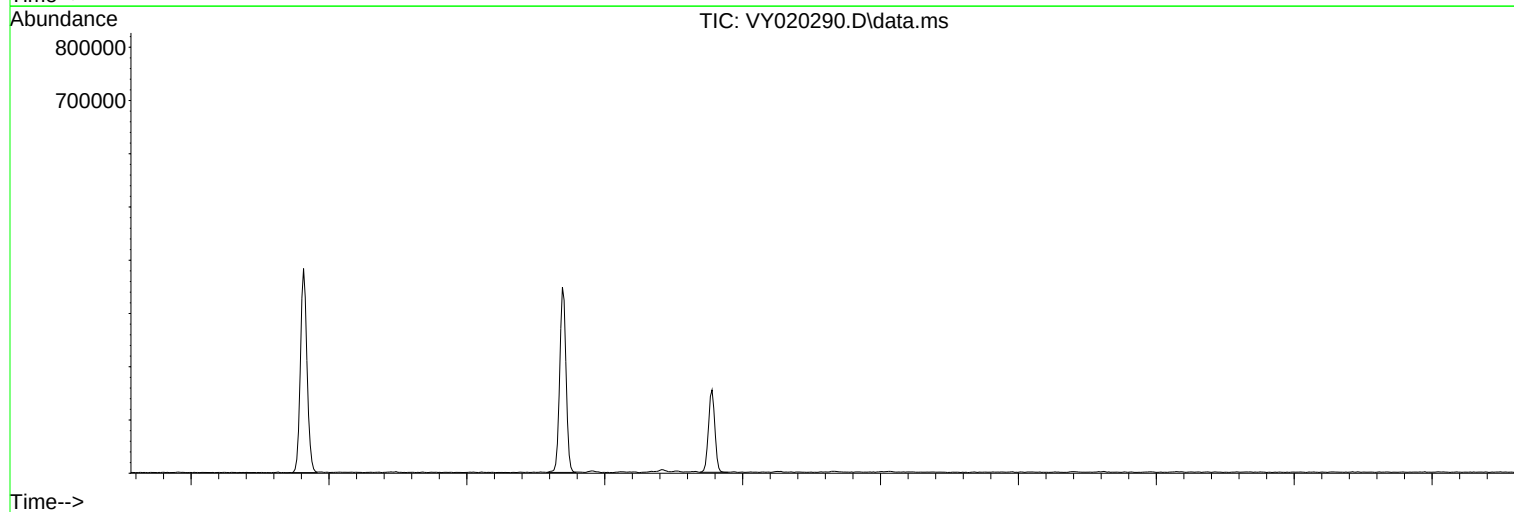
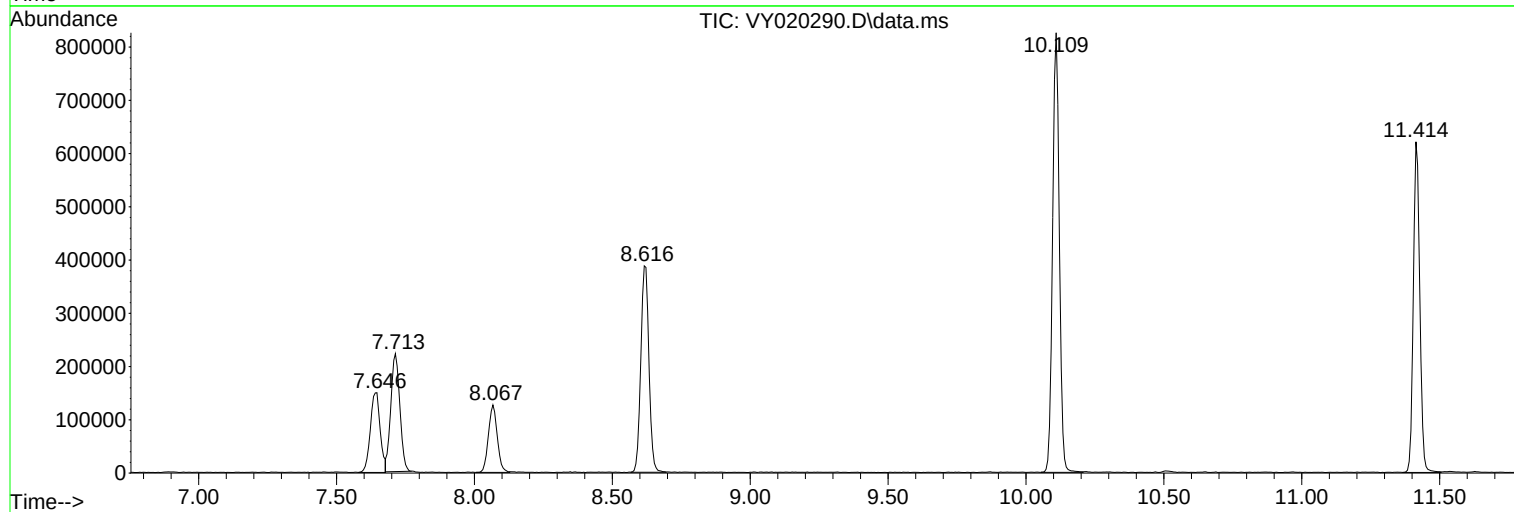
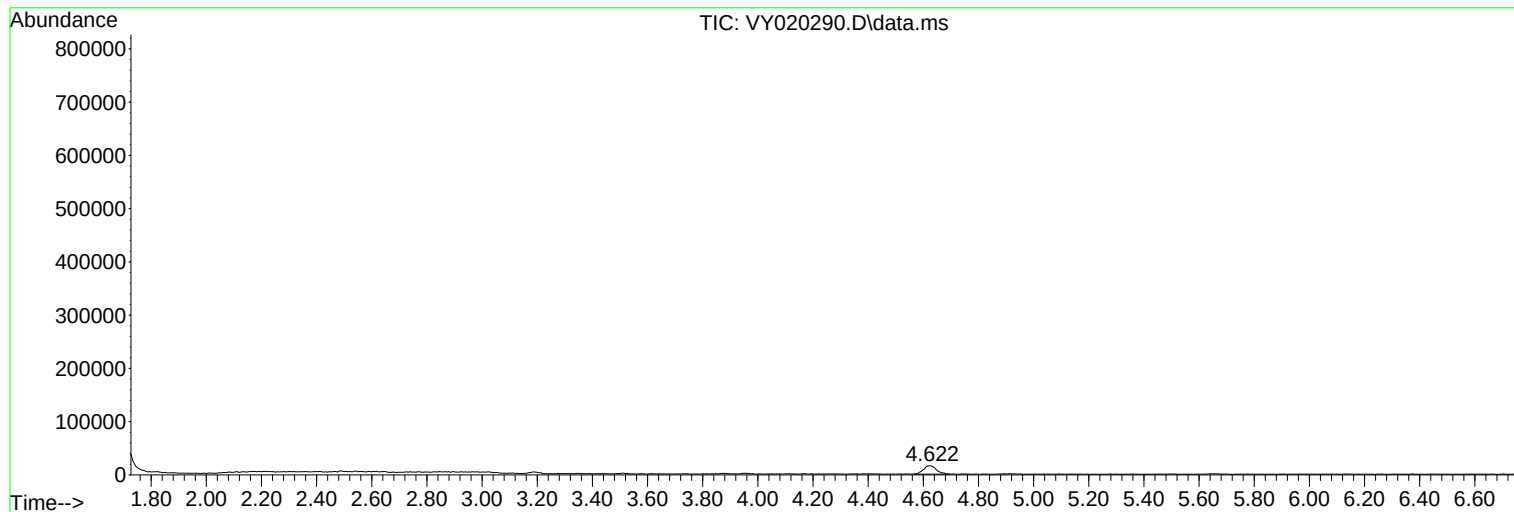
Sum of corrected areas: 5853785

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020290.D
Acq On : 13 Nov 2024 17:59
Operator : SY/MD
Sample : P4822-05
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020290.D
Acq On : 13 Nov 2024 17:59
Operator : SY/MD
Sample : P4822-05
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020290.D
Acq On : 13 Nov 2024 17:59
Operator : SY/MD
Sample : P4822-05
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3RE	SDG No.:	P4822
Lab Sample ID:	P4822-05RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.5
Sample Wt/Vol:	5.53 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080052.D	1		11/17/24 19:49	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	4.90	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.90	ug/Kg
75-01-4	Vinyl Chloride	0.75	U	0.75	4.90	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.90	ug/Kg
75-00-3	Chloroethane	0.99	U	0.99	4.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.89	U	0.89	4.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.76	U	0.76	4.90	ug/Kg
67-64-1	Acetone	6.10	U	6.10	24.4	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	4.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.65	U	0.65	4.90	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	4.90	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	4.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.62	U	0.62	4.90	ug/Kg
110-82-7	Cyclohexane	0.67	U	0.67	4.90	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	24.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.85	U	0.85	4.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.90	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	4.90	ug/Kg
67-66-3	Chloroform	0.65	U	0.65	4.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.90	ug/Kg
108-87-2	Methylcyclohexane	0.85	U	0.85	4.90	ug/Kg
71-43-2	Benzene	0.70	U	0.70	4.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	4.90	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.65	U	0.65	4.90	ug/Kg
75-27-4	Bromodichloromethane	0.55	U	0.55	4.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.30	U	4.30	24.4	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.90	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3RE	SDG No.:	P4822
Lab Sample ID:	P4822-05RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.5
Sample Wt/Vol:	5.53 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080052.D	1		11/17/24 19:49	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.82	U	0.82	4.90	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	24.4	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	4.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.77	U	0.77	4.90	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.90	ug/Kg
108-90-7	Chlorobenzene	0.72	U	0.72	4.90	ug/Kg
100-41-4	Ethyl Benzene	0.61	U	0.61	4.90	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	9.80	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.90	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.90	ug/Kg
75-25-2	Bromoform	0.79	U	0.79	4.90	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.72	U	0.72	4.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.78	U	0.78	4.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.58	U	0.58	4.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.77	U	0.77	4.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.76	U	0.76	4.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		70 (50) - 130 (163)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	57.5		70 (54) - 130 (147)	115%	SPK: 50
2037-26-5	Toluene-d8	44.8		70 (58) - 130 (134)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.5		70 (29) - 130 (146)	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	137000	7.875			
540-36-3	1,4-Difluorobenzene	217000	8.775			
3114-55-4	Chlorobenzene-d5	188000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	75400	13.516			

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3RE	SDG No.:	P4822
Lab Sample ID:	P4822-05RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.5
Sample Wt/Vol:	5.53 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080052.D	1		11/17/24 19:49	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
Data File : VD080052.D
Acq On : 17 Nov 2024 19:49
Operator : RP/MD
Sample : P4822-05RE
Misc : 5.53G/5ml/MSVOA_D/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SOIL-3RE

Quant Time: Nov 18 04:28:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	136518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	216650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	188207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	75449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	68451	48.699	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.400%
35) Dibromofluoromethane	7.805	113	82863	57.469	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.940%
50) Toluene-d8	10.269	98	243468	44.801	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.600%
62) 4-Bromofluorobenzene	12.569	95	66937	37.542	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.080%

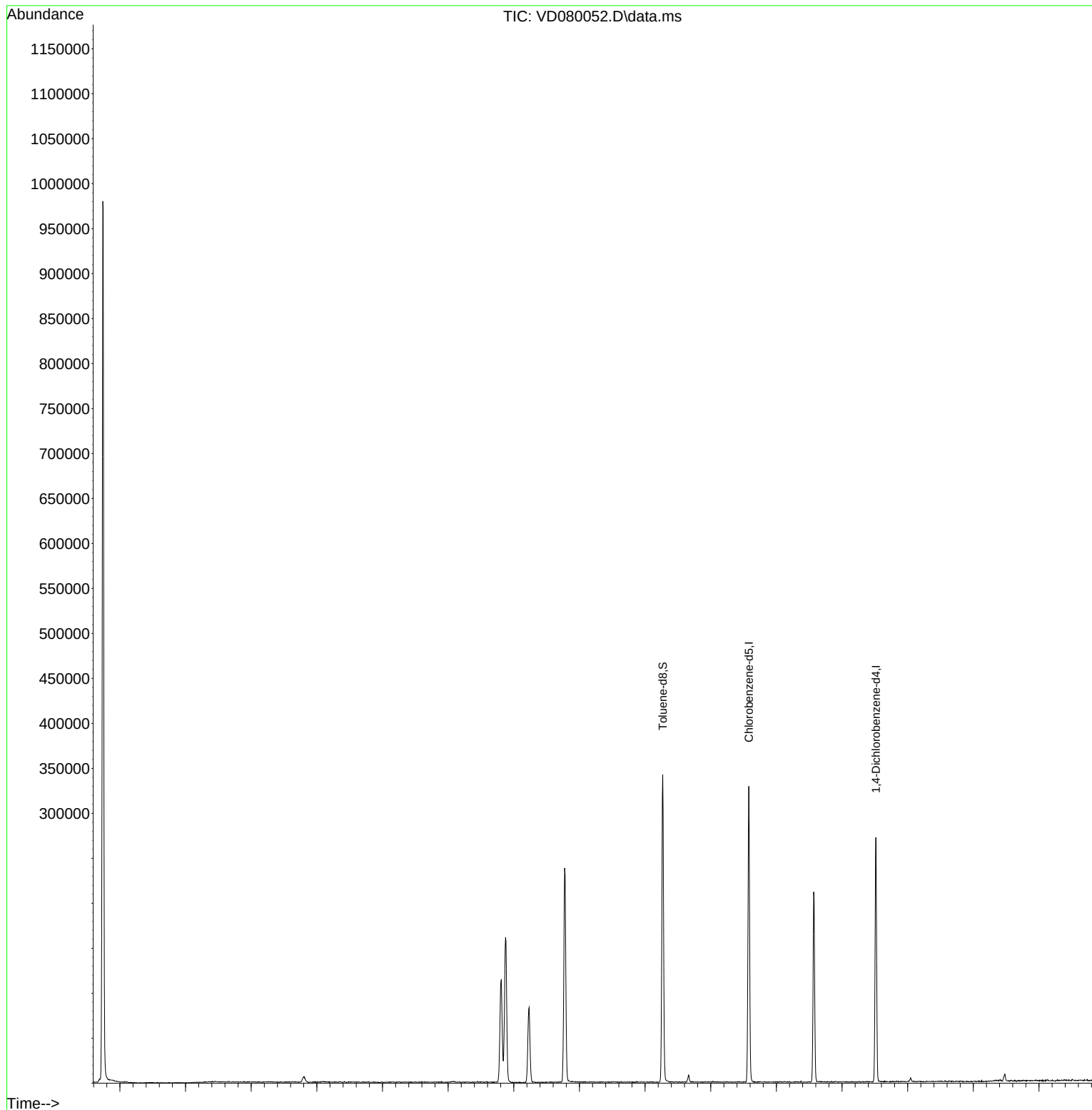
Target Compounds	Qvalue

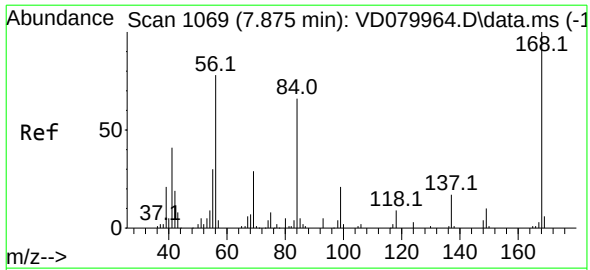
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
Data File : VD080052.D
Acq On : 17 Nov 2024 19:49
Operator : RP/MD
Sample : P4822-05RE
Misc : 5.53G/5ml/MSVOA_D/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SOIL-3RE

Quant Time: Nov 18 04:28:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

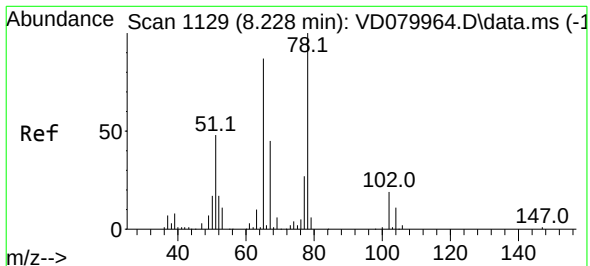
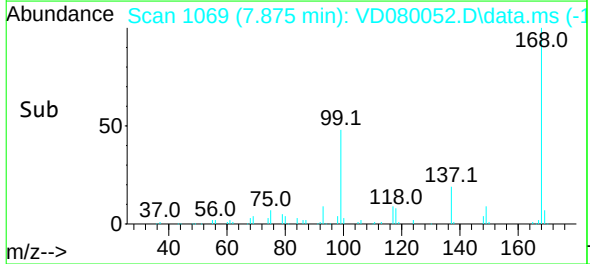
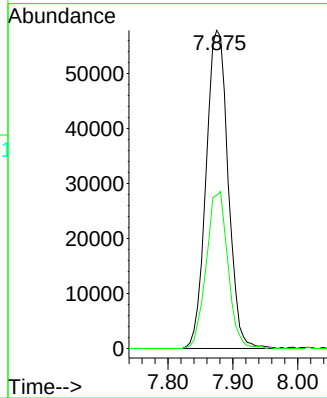
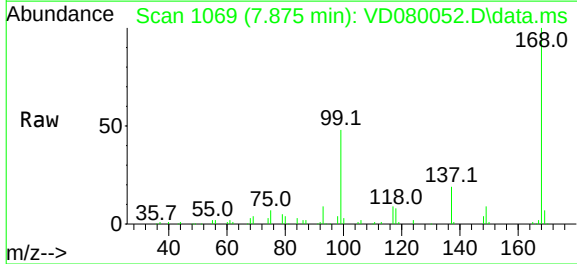




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD080052.D
Acq: 17 Nov 2024 19:49

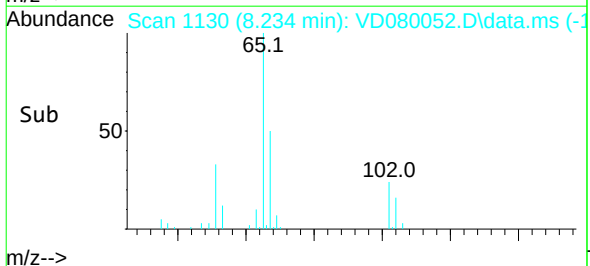
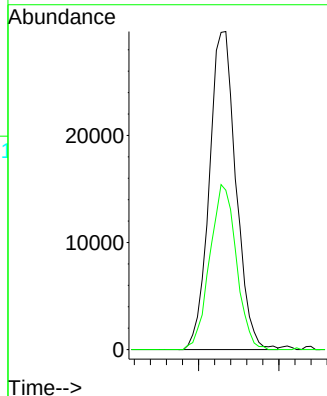
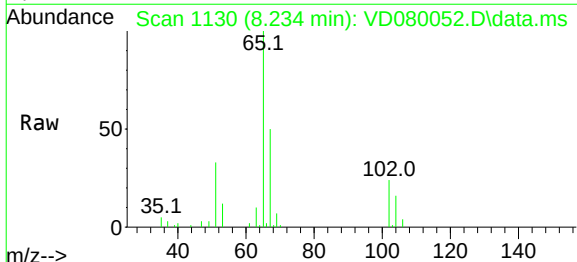
Instrument :
MSVOA_D
ClientSampleId :
SOIL-3RE

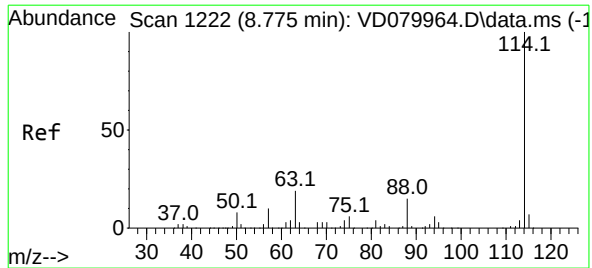
Tgt Ion:168 Resp: 136518
Ion Ratio Lower Upper
168 100
99 48.2 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 48.699 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD080052.D
Acq: 17 Nov 2024 19:49

Tgt Ion: 65 Resp: 68451
Ion Ratio Lower Upper
65 100
67 51.6 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD080052.D

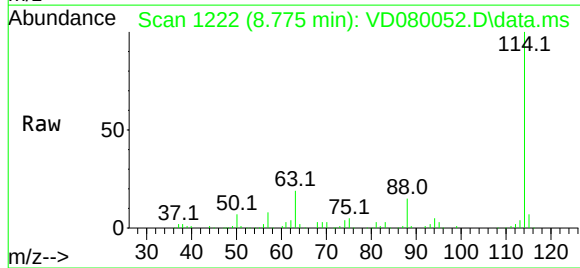
Acq: 17 Nov 2024 19:49

Instrument :

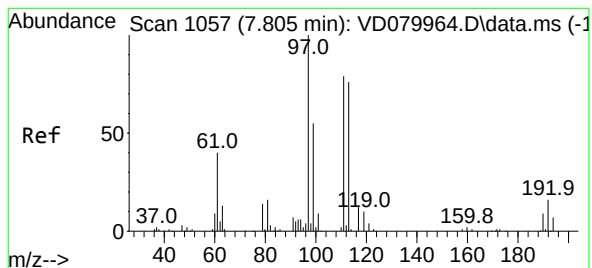
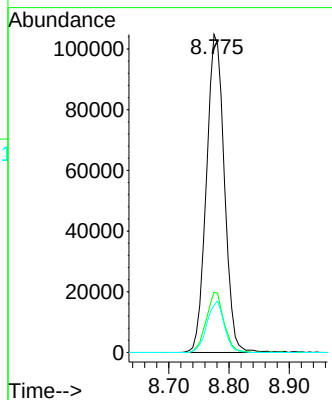
MSVOA_D

ClientSampleId :

SOIL-3RE



Tgt Ion:	114	Resp:	216650
Ion Ratio	Lower	Upper	
114	100		
63	19.0	0.0	38.8
88	14.9	0.0	30.6



#35

Dibromofluoromethane

Concen: 57.469 ug/l

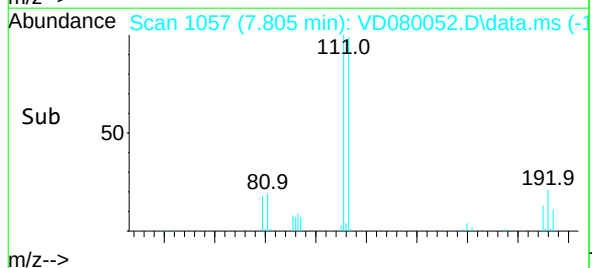
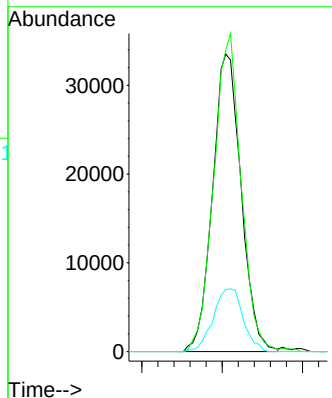
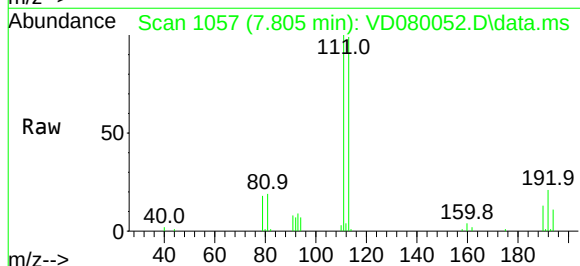
RT: 7.805 min Scan# 1057

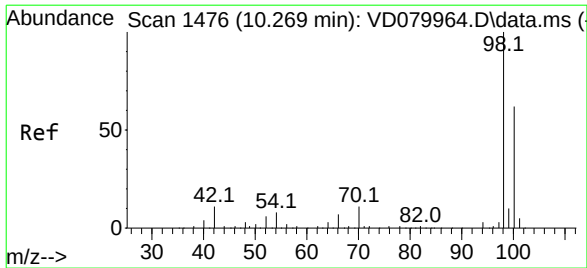
Delta R.T. -0.000 min

Lab File: VD080052.D

Acq: 17 Nov 2024 19:49

Tgt Ion:	113	Resp:	82863
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.5	123.7
192	22.1	16.6	25.0





#50

Toluene-d8

Concen: 44.801 ug/l

RT: 10.269 min Scan# 14

Delta R.T. 0.000 min

Lab File: VD080052.D

Acq: 17 Nov 2024 19:49

Instrument :

MSVOA_D

ClientSampleId :

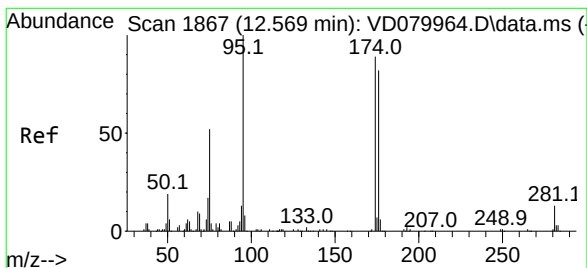
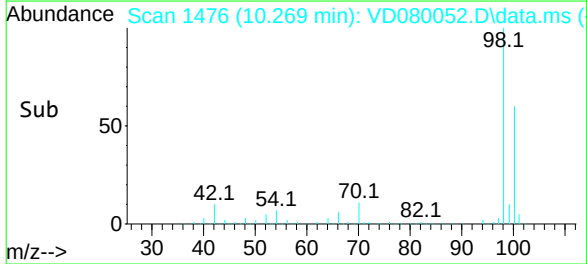
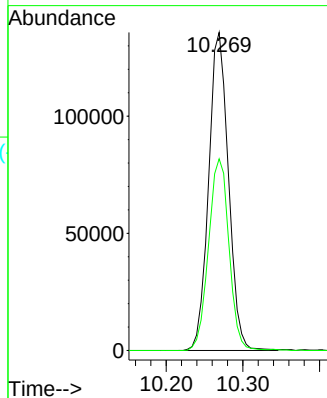
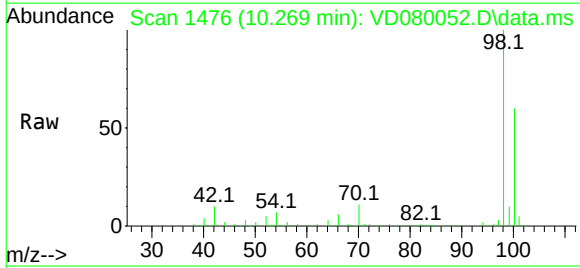
SOIL-3RE

Tgt Ion: 98 Resp: 243468

Ion Ratio Lower Upper

98 100

100 62.1 50.2 75.4



#62

4-Bromofluorobenzene

Concen: 37.542 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VD080052.D

Acq: 17 Nov 2024 19:49

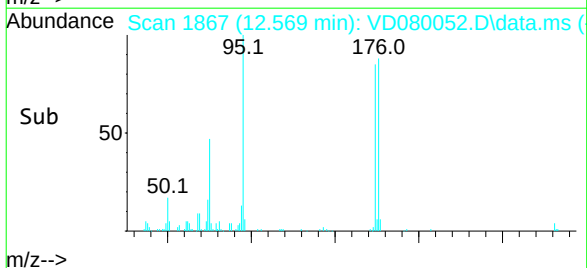
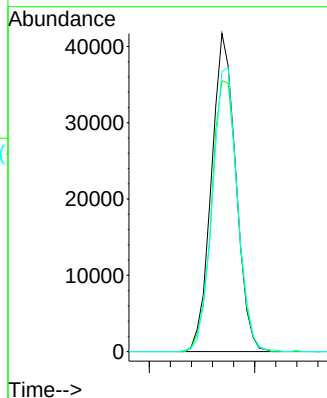
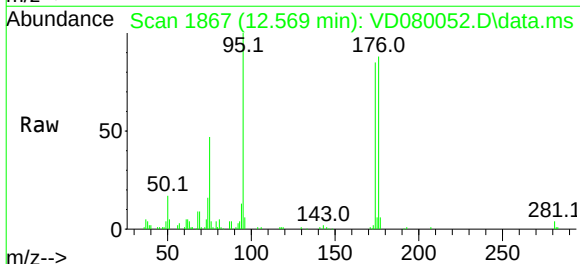
Tgt Ion: 95 Resp: 66937

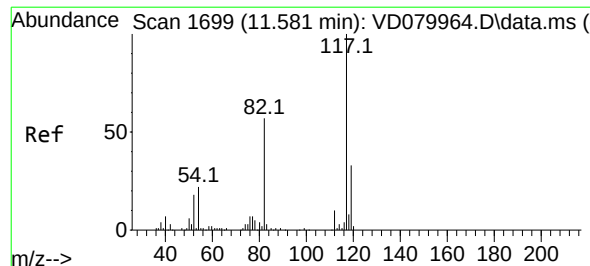
Ion Ratio Lower Upper

95 100

174 90.6 0.0 173.4

176 91.7 0.0 166.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VD080052.D

Acq: 17 Nov 2024 19:49

Instrument :

MSVOA_D

ClientSampleId :

SOIL-3RE

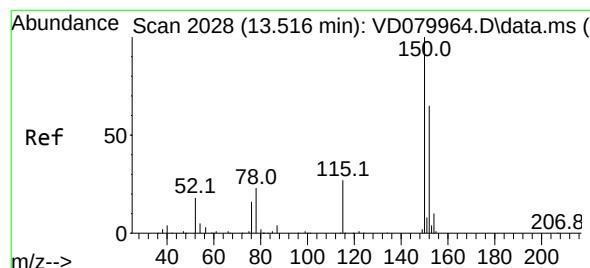
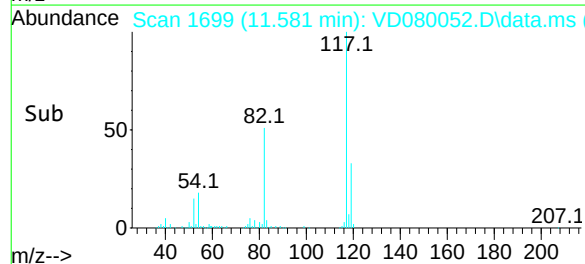
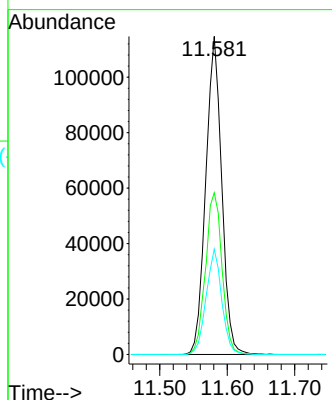
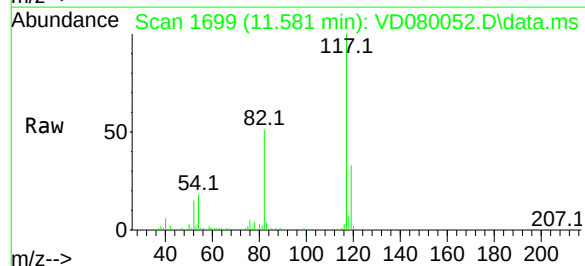
Tgt Ion:117 Resp: 188207

Ion Ratio Lower Upper

117 100

82 50.8 45.8 68.6

119 33.1 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD080052.D

Acq: 17 Nov 2024 19:49

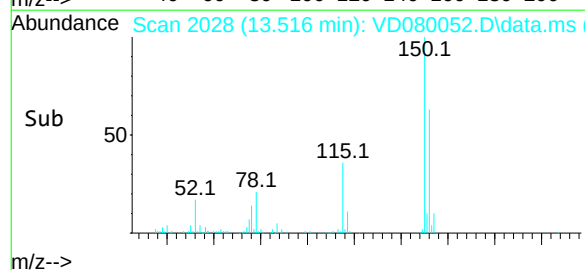
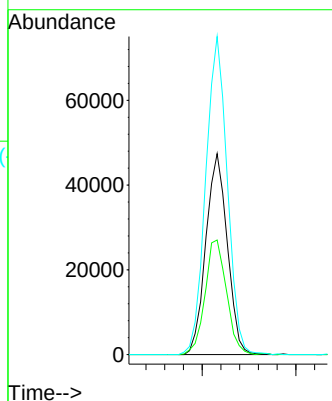
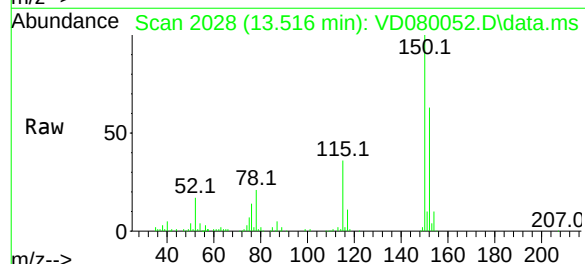
Tgt Ion:152 Resp: 75449

Ion Ratio Lower Upper

152 100

115 57.0 28.9 86.8

150 158.9 0.0 354.8



Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.5
Sample Wt/Vol:	6.17	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020293.D	1		11/13/24 19:09	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.30	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.67	U	0.67	4.30	ug/Kg
74-83-9	Bromomethane	0.89	U	0.89	4.30	ug/Kg
75-00-3	Chloroethane	0.88	U	0.88	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	0.79	U	0.79	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.93	U	0.93	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.68	U	0.68	4.30	ug/Kg
67-64-1	Acetone	5.40	U	5.40	21.7	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	4.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	4.30	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.73	U	0.73	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.55	U	0.55	4.30	ug/Kg
110-82-7	Cyclohexane	0.60	U	0.60	4.30	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	21.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.75	UQ	0.75	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.53	U	0.53	4.30	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	4.30	ug/Kg
67-66-3	Chloroform	0.58	U	0.58	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.68	U	0.68	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.75	U	0.75	4.30	ug/Kg
71-43-2	Benzene	0.62	UQ	0.62	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.53	UQ	0.53	4.30	ug/Kg
79-01-6	Trichloroethene	0.65	U	0.65	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.57	UQ	0.57	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.49	UQ	0.49	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	21.7	ug/Kg
108-88-3	Toluene	0.58	U	0.58	4.30	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.5
Sample Wt/Vol:	6.17 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020293.D	1		11/13/24 19:09	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.49	UQ	0.49	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.73	UQ	0.73	4.30	ug/Kg
591-78-6	2-Hexanone	4.20	U	4.20	21.7	ug/Kg
124-48-1	Dibromochloromethane	0.56	UQ	0.56	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.68	U	0.68	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.77	UQ	0.77	4.30	ug/Kg
108-90-7	Chlorobenzene	0.64	U	0.64	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.20	UQ	1.20	8.70	ug/Kg
95-47-6	o-Xylene	0.61	UQ	0.61	4.30	ug/Kg
100-42-5	Styrene	0.52	UQ	0.52	4.30	ug/Kg
75-25-2	Bromoform	0.70	UQ	0.70	4.30	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.95	U	0.95	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.64	U	0.64	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.69	U	0.69	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.51	U	0.51	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.68	U	0.68	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.68	U	0.68	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		70 (50) - 130 (163)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (54) - 130 (147)	102%	SPK: 50
2037-26-5	Toluene-d8	35.2		70 (58) - 130 (134)	70%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.4	*	70 (29) - 130 (146)	57%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	222000	7.713			
540-36-3	1,4-Difluorobenzene	449000	8.622			
3114-55-4	Chlorobenzene-d5	278000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	81200	13.347			

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	11/12/24	
Project:	BAPS North Bergen		Date Received:	11/12/24	
Client Sample ID:	SOIL-4		SDG No.:	P4822	
Lab Sample ID:	P4822-07		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	93.5	
Sample Wt/Vol:	6.17	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020293.D	1		11/13/24 19:09	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020293.D
 Acq On : 13 Nov 2024 19:09
 Operator : SY/MD
 Sample : P4822-07
 Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-4

Quant Time: Nov 14 01:02:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	222193	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	449384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	277882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	81233	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	141337	50.967	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.940%
35) Dibromofluoromethane	7.640	113	145036	50.762	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.520%
50) Toluene-d8	10.109	98	400010	35.172	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	70.340%
62) 4-Bromofluorobenzene	12.408	95	104748	28.356	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	56.720%

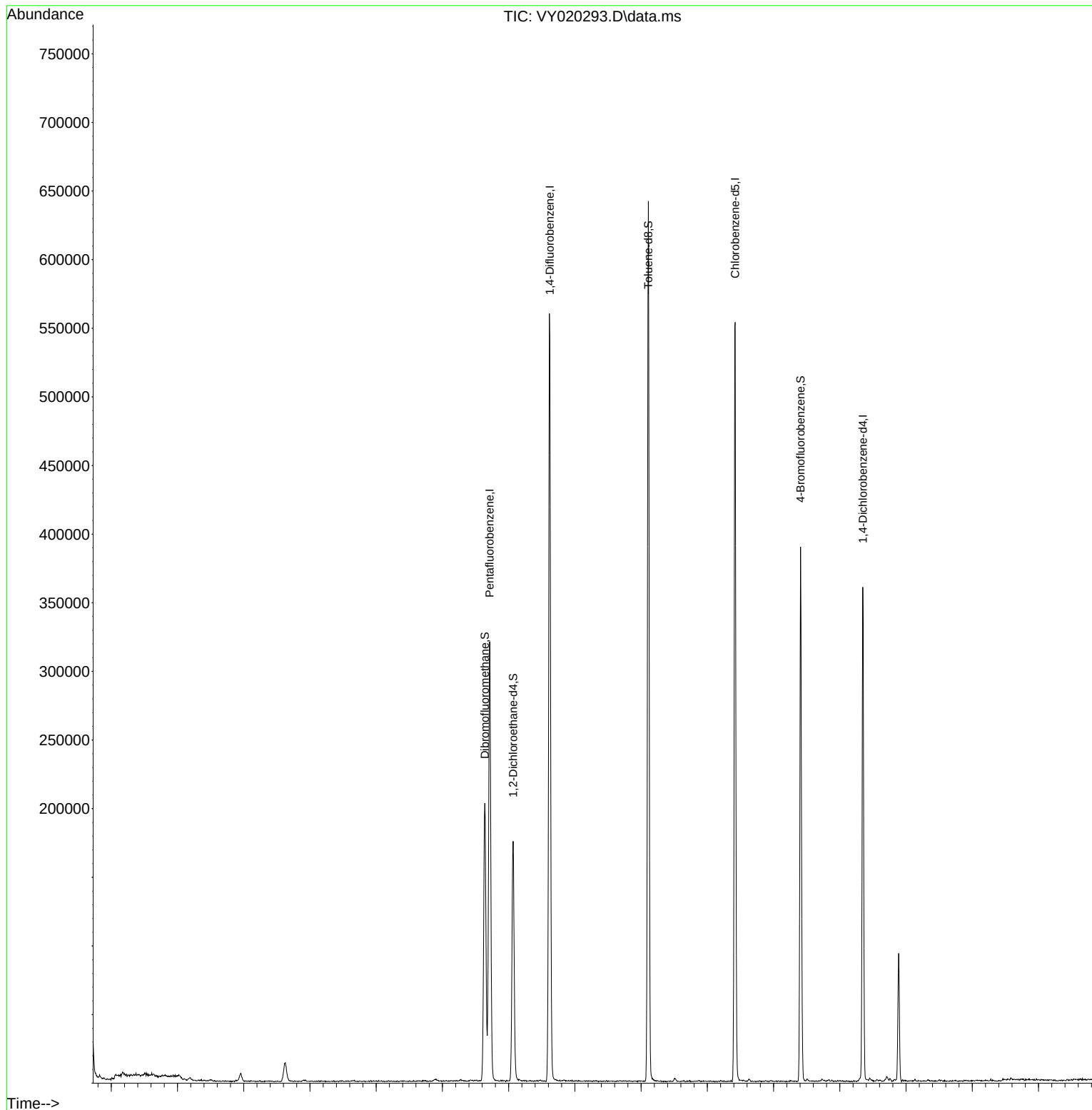
Target Compounds	Qvalue

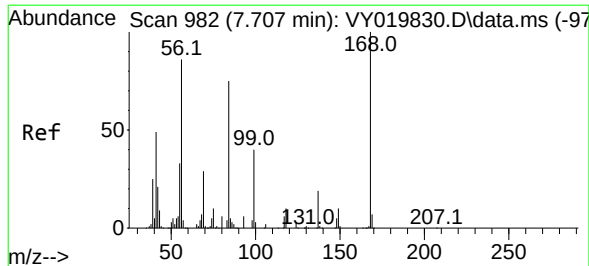
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020293.D
Acq On : 13 Nov 2024 19:09
Operator : SY/MD
Sample : P4822-07
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-4

Quant Time: Nov 14 01:02:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

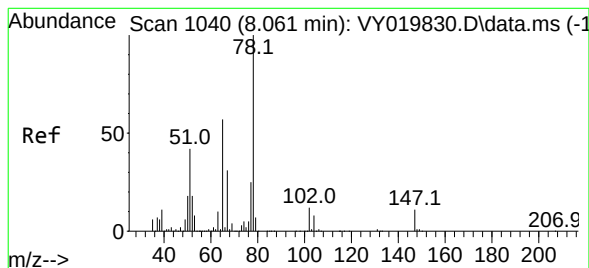
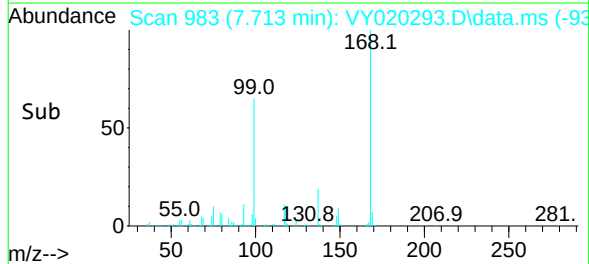
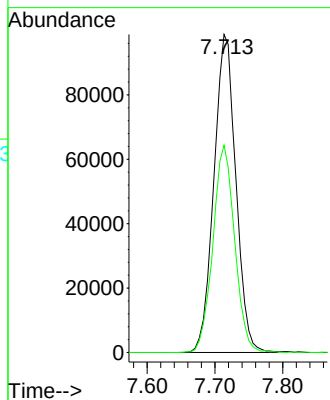
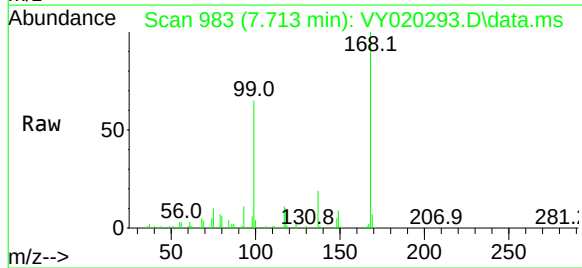




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020293.D
Acq: 13 Nov 2024 19:09

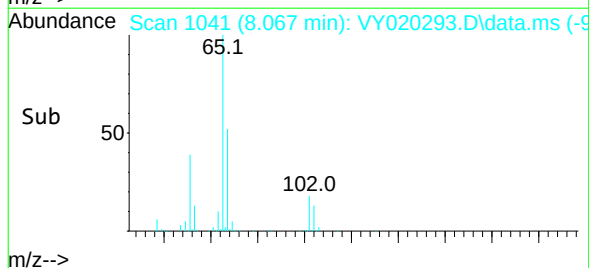
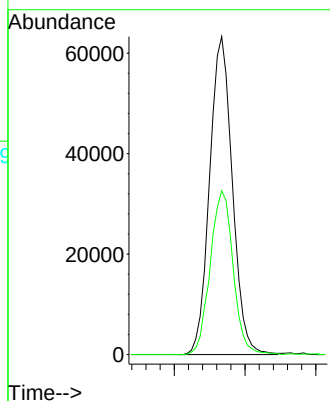
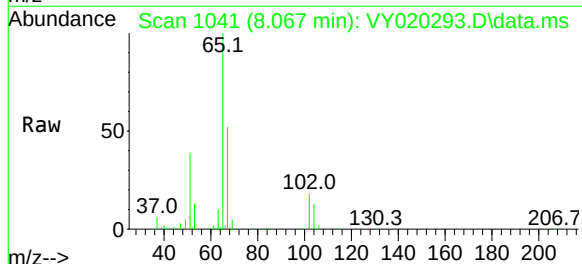
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-4

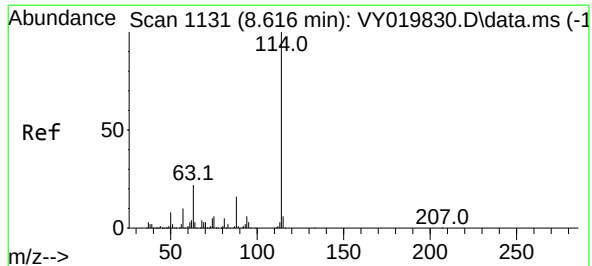
Tgt Ion: 168 Resp: 222193
Ion Ratio Lower Upper
168 100
99 65.2 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 50.967 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020293.D
Acq: 13 Nov 2024 19:09

Tgt Ion: 65 Resp: 141337
Ion Ratio Lower Upper
65 100
67 51.9 0.0 109.6

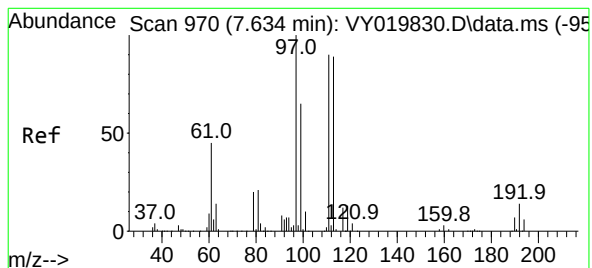
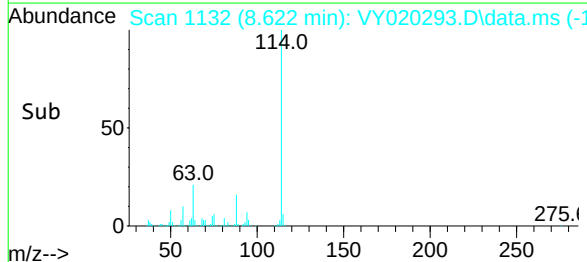
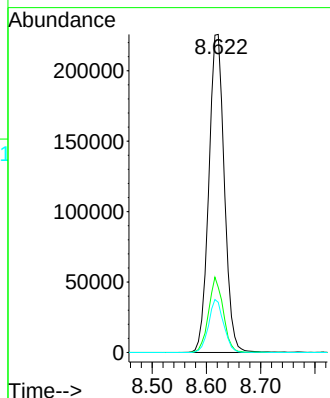
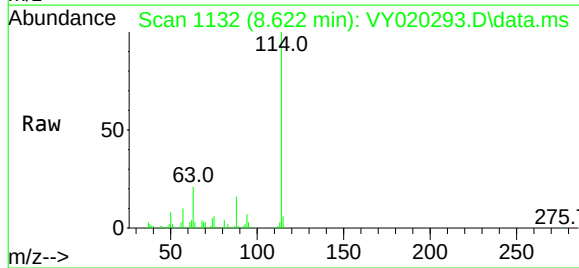




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY020293.D
Acq: 13 Nov 2024 19:09

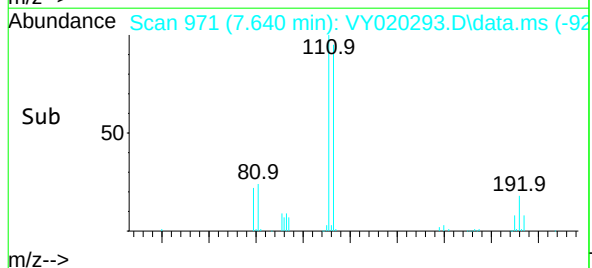
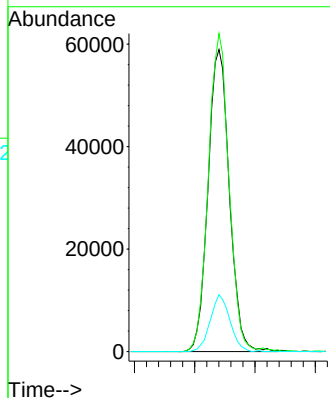
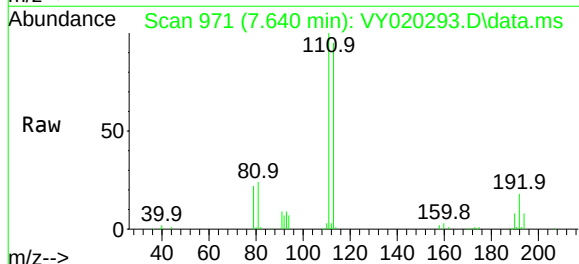
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-4

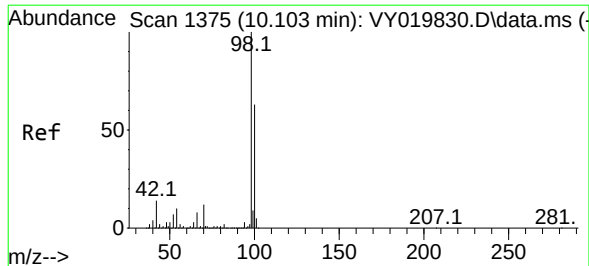
Tgt Ion:	114	Resp:	449384
Ion Ratio	Lower	Upper	
114	100		
63	20.5	0.0	35.0
88	15.8	0.0	27.2



#35
Dibromofluoromethane
Concen: 50.762 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020293.D
Acq: 13 Nov 2024 19:09

Tgt Ion:	113	Resp:	145036
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.2	123.4
192	17.3	15.9	23.9





#50

Toluene-d8

Concen: 35.172 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020293.D

Acq: 13 Nov 2024 19:09

Instrument :

MSVOA_Y

ClientSampleId :

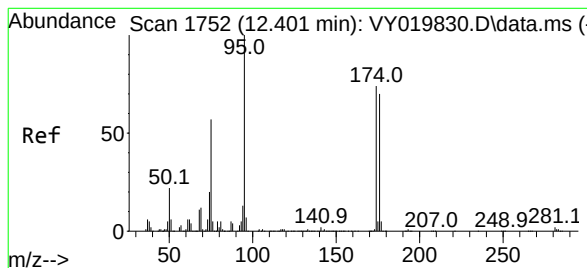
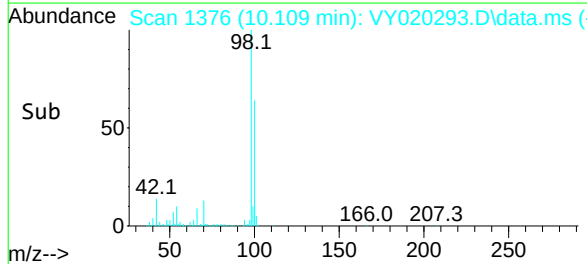
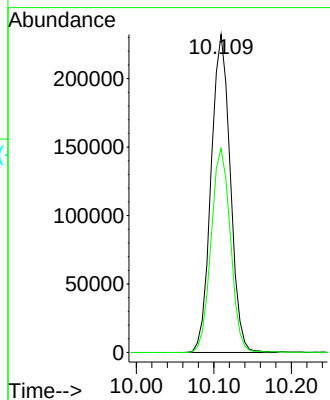
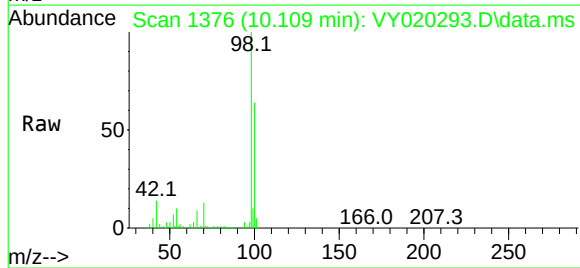
SOIL-4

Tgt Ion: 98 Resp: 400010

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 28.356 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020293.D

Acq: 13 Nov 2024 19:09

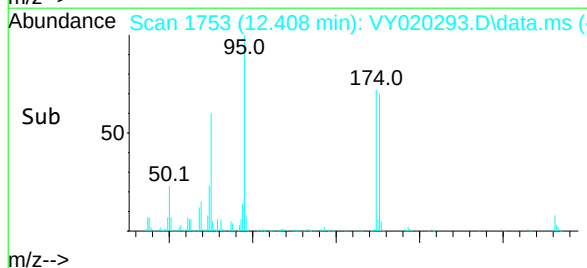
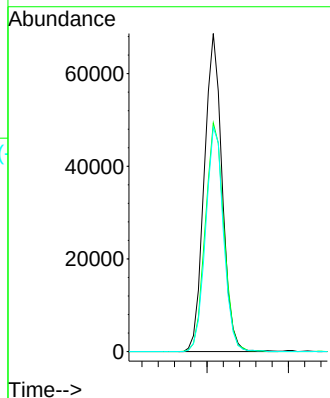
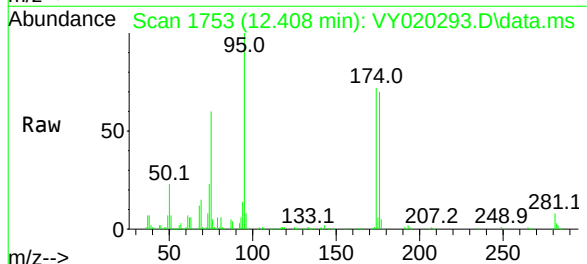
Tgt Ion: 95 Resp: 104748

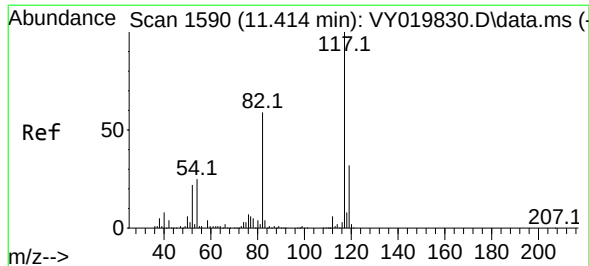
Ion Ratio Lower Upper

95 100

174 74.3 0.0 175.6

176 70.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 15

Delta R.T. 0.000 min

Lab File: VY020293.D

Acq: 13 Nov 2024 19:09

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-4

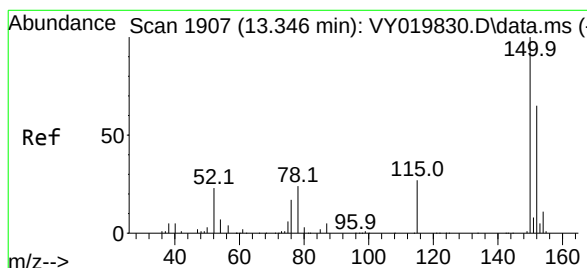
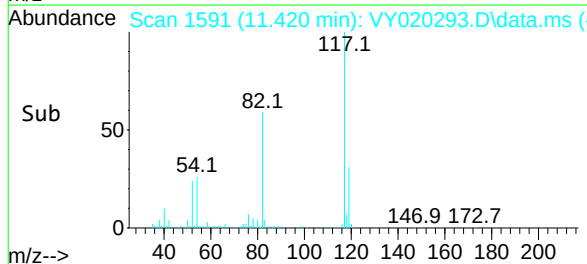
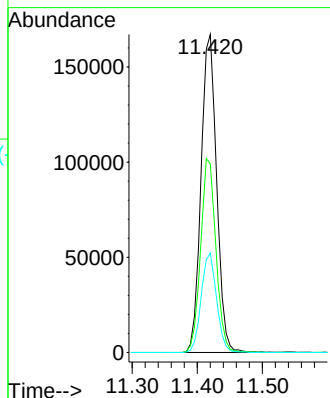
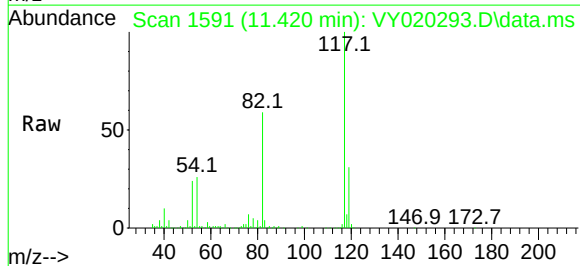
Tgt Ion:117 Resp: 277882

Ion Ratio Lower Upper

117 100

82 59.3 42.4 63.6

119 31.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020293.D

Acq: 13 Nov 2024 19:09

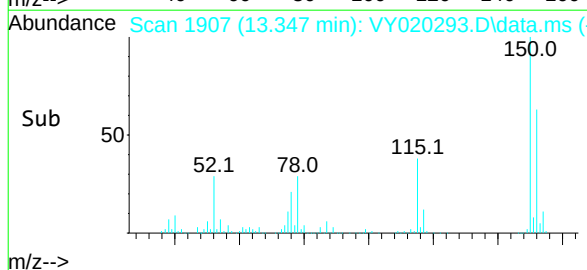
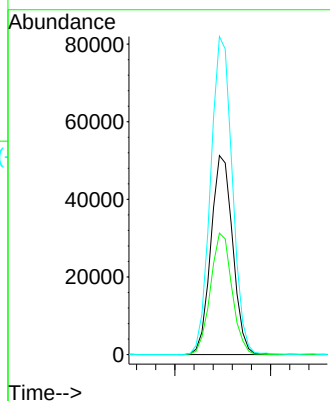
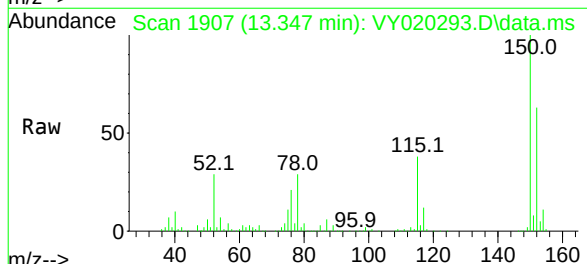
Tgt Ion:152 Resp: 81233

Ion Ratio Lower Upper

152 100

115 60.1 28.2 84.7

150 159.5 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020293.D
 Acq On : 13 Nov 2024 19:09
 Operator : SY/MD
 Sample : P4822-07
 Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-4

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_Y\methods\82Y103024S.M
 Title : SW846 8260

Signal : TIC: VY020293.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.958	358	367	375	rVB4	6058	16460	1.48%	0.267%
2	4.629	466	477	487	rBV5	13727	44729	4.03%	0.725%
3	7.640	961	971	977	rBV2	202138	492259	44.35%	7.981%
4	7.713	977	983	999	rVB	319894	718891	64.77%	11.655%
5	8.067	1032	1041	1054	rBV	174686	398240	35.88%	6.456%
6	8.616	1122	1131	1145	rBV	559592	1108373	99.86%	17.969%
7	10.109	1366	1376	1385	rBV	641436	1109973	100.00%	17.995%
8	11.420	1583	1591	1601	rBV	553370	927477	83.56%	15.036%
9	12.408	1746	1753	1764	rBV2	389469	634339	57.15%	10.284%
10	13.347	1896	1907	1917	rBV	359774	567154	51.10%	9.195%
11	13.889	1989	1996	2003	rVB	93556	150339	13.54%	2.437%

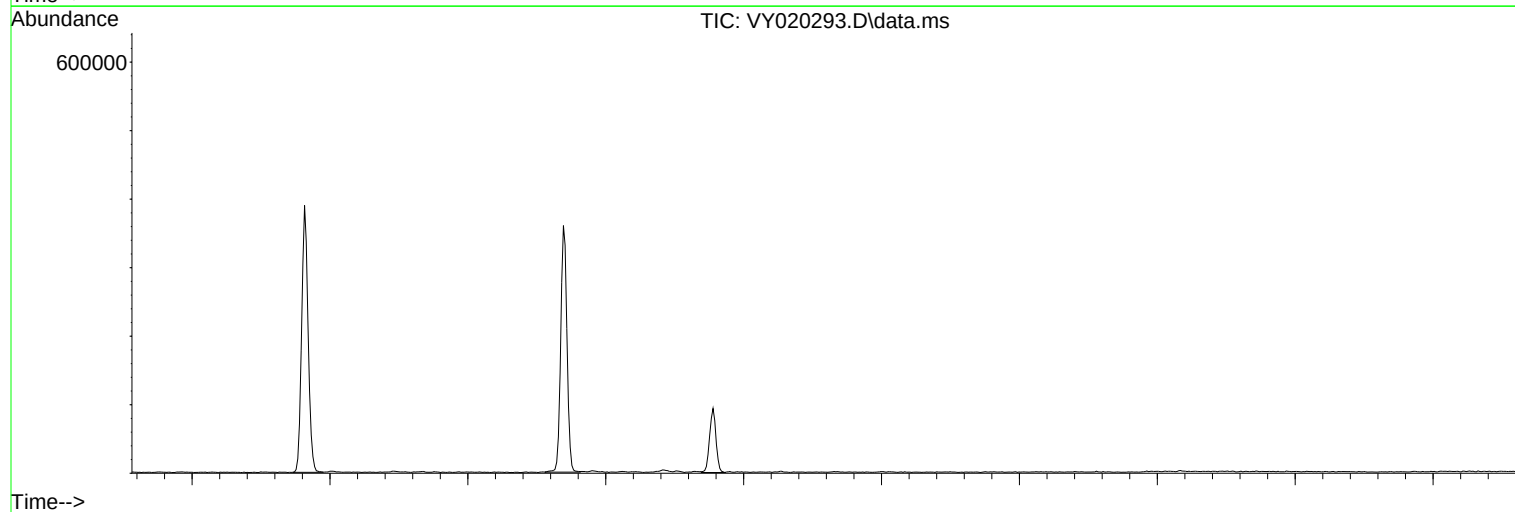
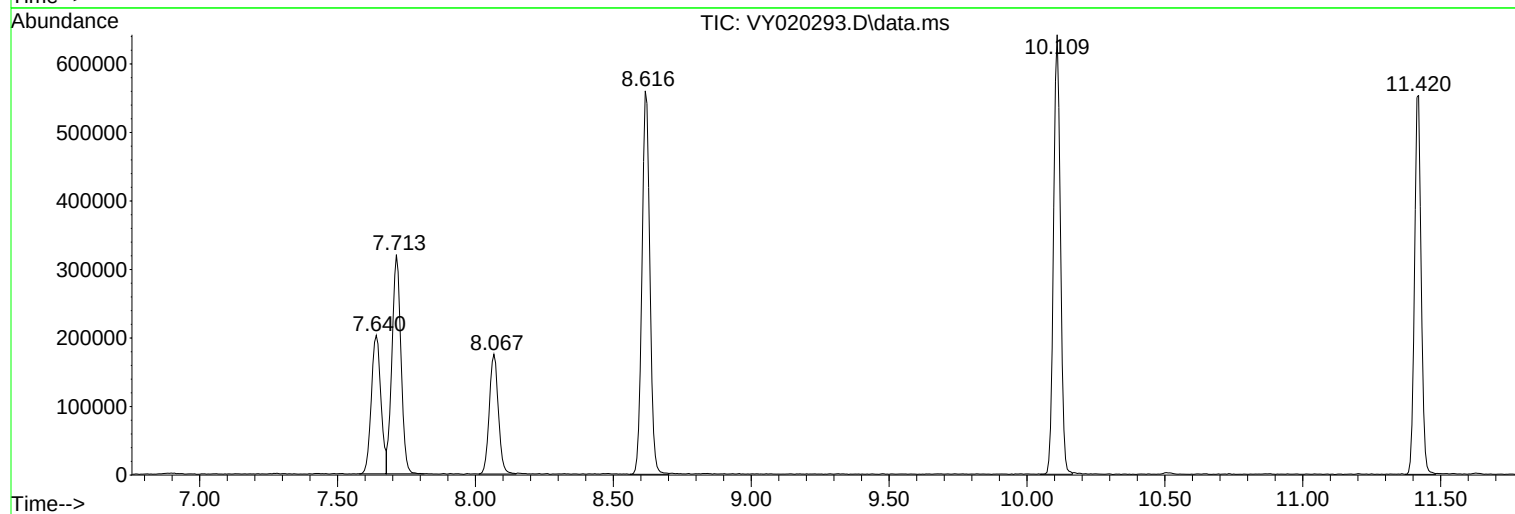
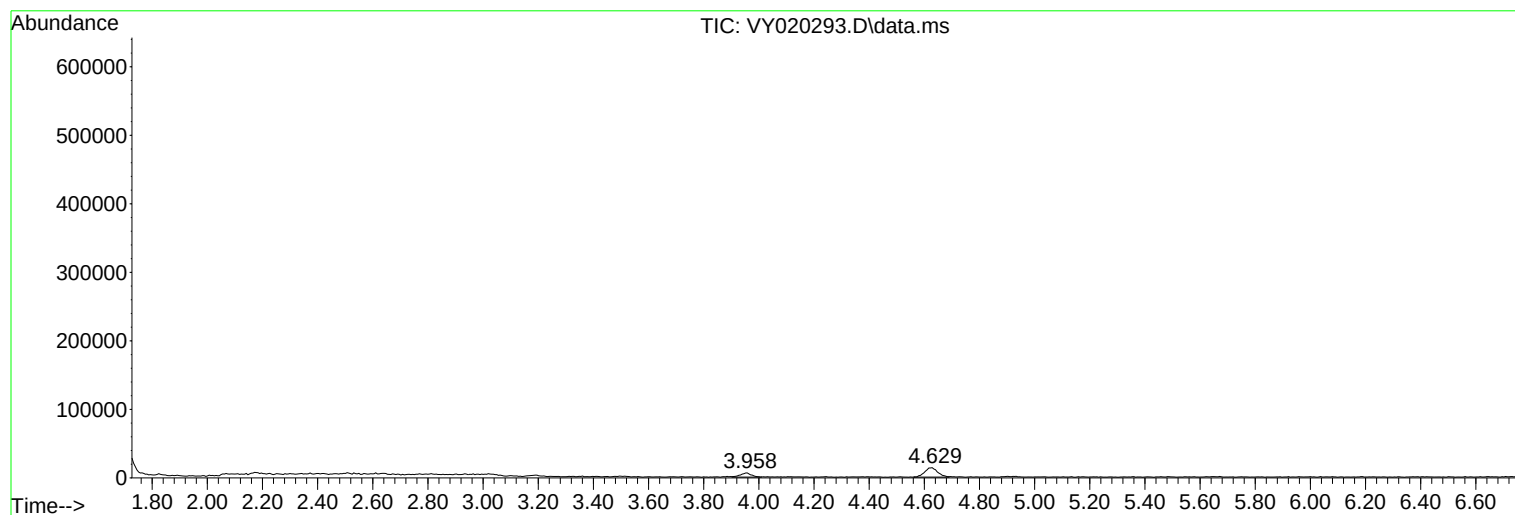
Sum of corrected areas: 6168234

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020293.D
Acq On : 13 Nov 2024 19:09
Operator : SY/MD
Sample : P4822-07
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020293.D
Acq On : 13 Nov 2024 19:09
Operator : SY/MD
Sample : P4822-07
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020293.D
Acq On : 13 Nov 2024 19:09
Operator : SY/MD
Sample : P4822-07
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4RE	SDG No.:	P4822
Lab Sample ID:	P4822-07RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.5
Sample Wt/Vol:	5.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080053.D	1		11/17/24 20:16	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.72	U	0.72	4.70	ug/Kg
74-83-9	Bromomethane	0.96	U	0.96	4.70	ug/Kg
75-00-3	Chloroethane	0.95	U	0.95	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.85	U	0.85	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.73	U	0.73	4.70	ug/Kg
67-64-1	Acetone	5.80	U	5.80	23.4	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.63	U	0.63	4.70	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	4.70	ug/Kg
75-09-2	Methylene Chloride	3.20	U	3.20	9.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.79	U	0.79	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.59	U	0.59	4.70	ug/Kg
110-82-7	Cyclohexane	0.65	U	0.65	4.70	ug/Kg
78-93-3	2-Butanone	5.30	U	5.30	23.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.57	U	0.57	4.70	ug/Kg
74-97-5	Bromochloromethane	2.30	U	2.30	4.70	ug/Kg
67-66-3	Chloroform	0.63	U	0.63	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.73	U	0.73	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.81	U	0.81	4.70	ug/Kg
71-43-2	Benzene	0.67	U	0.67	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.57	U	0.57	4.70	ug/Kg
79-01-6	Trichloroethene	0.70	U	0.70	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.62	U	0.62	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.52	U	0.52	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.10	U	4.10	23.4	ug/Kg
108-88-3	Toluene	0.63	U	0.63	4.70	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4RE	SDG No.:	P4822
Lab Sample ID:	P4822-07RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.5
Sample Wt/Vol:	5.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080053.D	1		11/17/24 20:16	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.56	U	0.56	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.53	U	0.53	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.79	U	0.79	4.70	ug/Kg
591-78-6	2-Hexanone	4.50	U	4.50	23.4	ug/Kg
124-48-1	Dibromochloromethane	0.61	U	0.61	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.74	U	0.74	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.83	U	0.83	4.70	ug/Kg
108-90-7	Chlorobenzene	0.69	U	0.69	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.58	U	0.58	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	9.40	ug/Kg
95-47-6	o-Xylene	0.66	U	0.66	4.70	ug/Kg
100-42-5	Styrene	0.56	U	0.56	4.70	ug/Kg
75-25-2	Bromoform	0.76	U	0.76	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.63	U	0.63	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.69	U	0.69	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.75	U	0.75	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.55	U	0.55	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.74	U	0.74	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.73	U	0.73	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		70 (50) - 130 (163)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	35.7		70 (58) - 130 (134)	71%	SPK: 50
460-00-4	4-Bromofluorobenzene	29.1	*	70 (29) - 130 (146)	58%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	128000	7.875			
540-36-3	1,4-Difluorobenzene	210000	8.775			
3114-55-4	Chlorobenzene-d5	177000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	66800	13.516			

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4RE	SDG No.:	P4822
Lab Sample ID:	P4822-07RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.5
Sample Wt/Vol:	5.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080053.D	1		11/17/24 20:16	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
 Data File : VD080053.D
 Acq On : 17 Nov 2024 20:16
 Operator : RP/MD
 Sample : P4822-07RE
 Misc : 5.71G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-4RE

Quant Time: Nov 18 04:28:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	127866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	209554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	177030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	66849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	63672	48.364	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.720%
35) Dibromofluoromethane	7.805	113	68121	48.844	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.680%
50) Toluene-d8	10.269	98	187494	35.670	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	71.340%
62) 4-Bromofluorobenzene	12.575	95	50241	29.132	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.260%

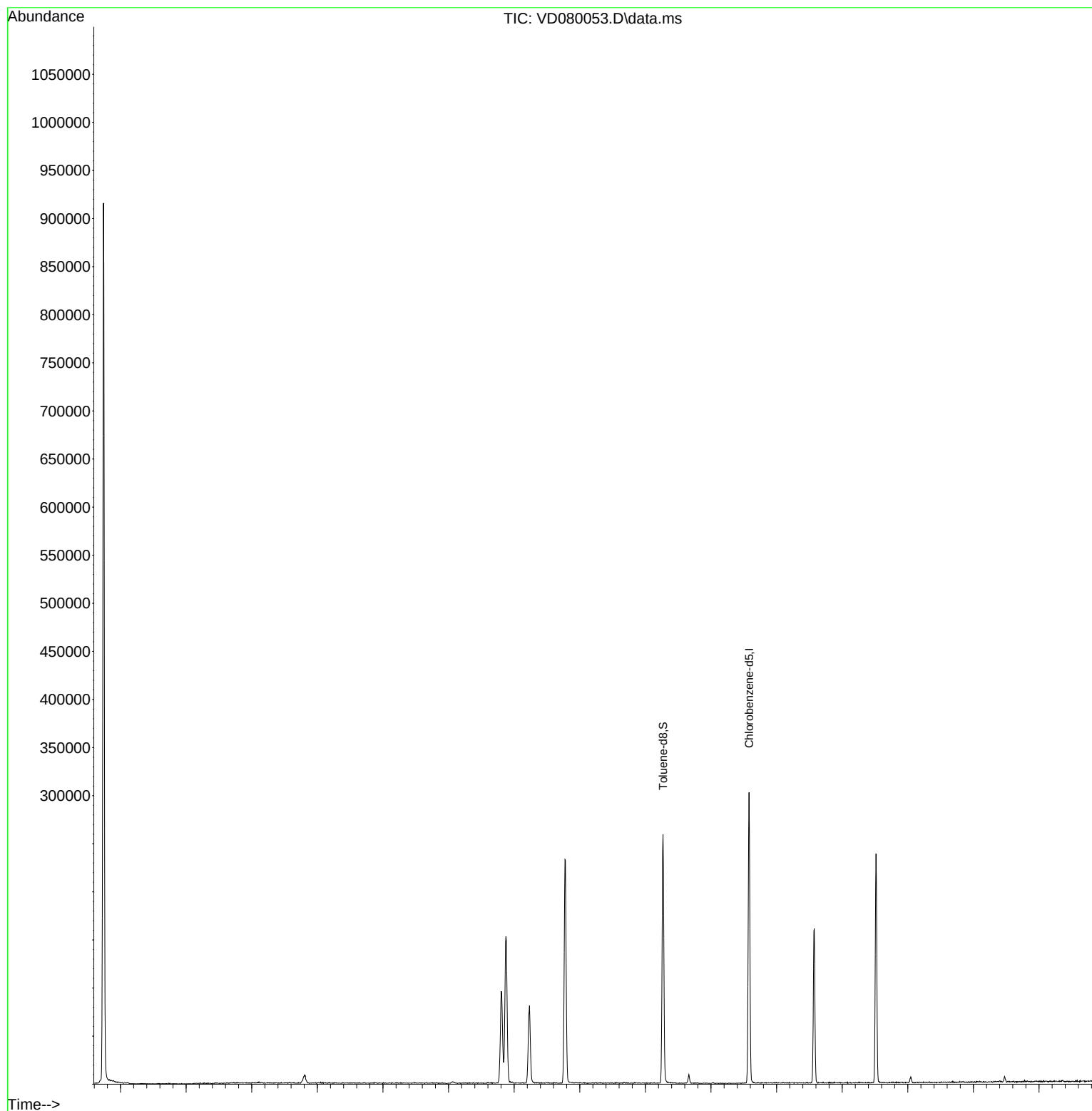
Target Compounds Qvalue

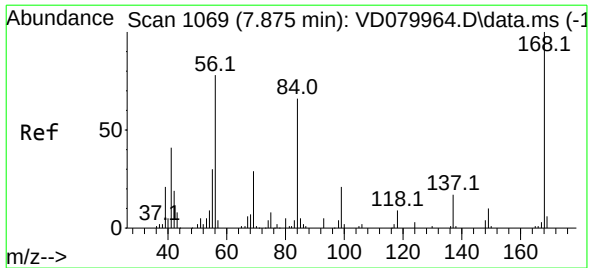
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
Data File : VD080053.D
Acq On : 17 Nov 2024 20:16
Operator : RP/MD
Sample : P4822-07RE
Misc : 5.71G/5ml/MSVOA_D/SOIL/B
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SOIL-4RE

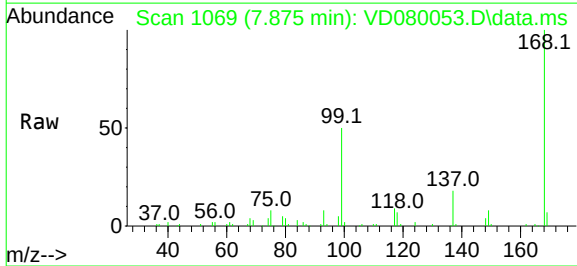
Quant Time: Nov 18 04:28:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



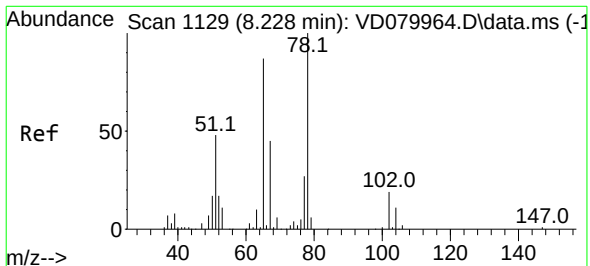
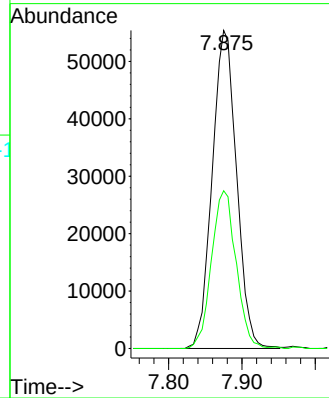
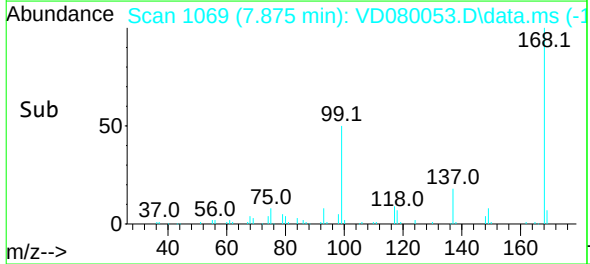


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD080053.D
Acq: 17 Nov 2024 20:16

Instrument :
MSVOA_D
ClientSampleId :
SOIL-4RE

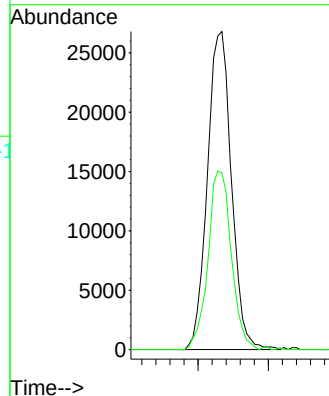
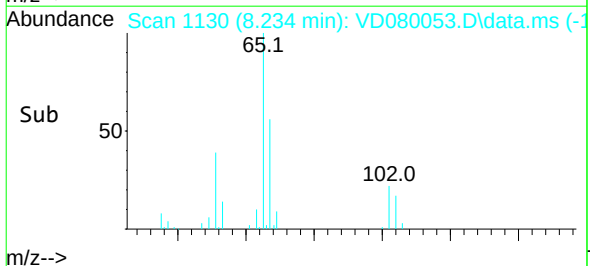
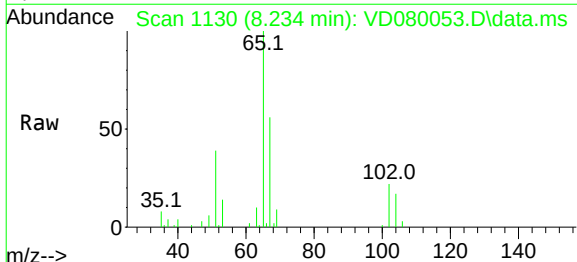


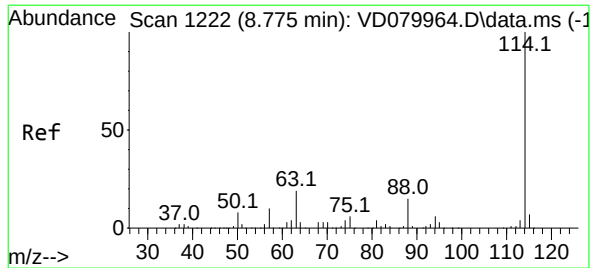
Tgt Ion:168 Resp: 127866
Ion Ratio Lower Upper
168 100
99 49.6 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 48.364 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD080053.D
Acq: 17 Nov 2024 20:16

Tgt Ion: 65 Resp: 63672
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 12

Delta R.T. 0.000 min

Lab File: VD080053.D

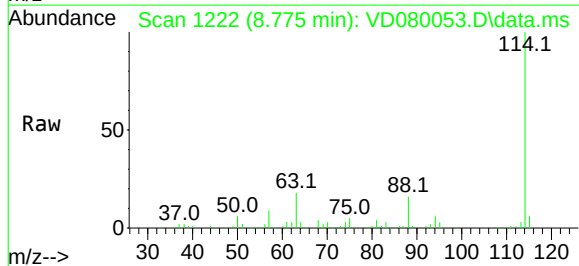
Acq: 17 Nov 2024 20:16

Instrument :

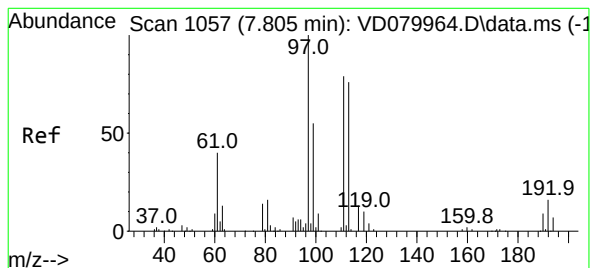
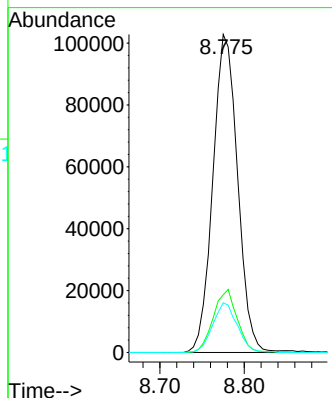
MSVOA_D

ClientSampleId :

SOIL-4RE



Tgt Ion:	114	Resp:	209554
Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.8
88	15.6	0.0	30.6



#35

Dibromofluoromethane

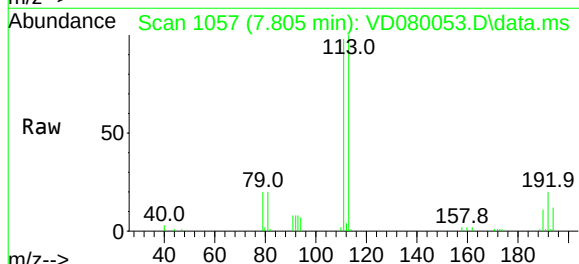
Concen: 48.844 ug/l

RT: 7.805 min Scan# 1057

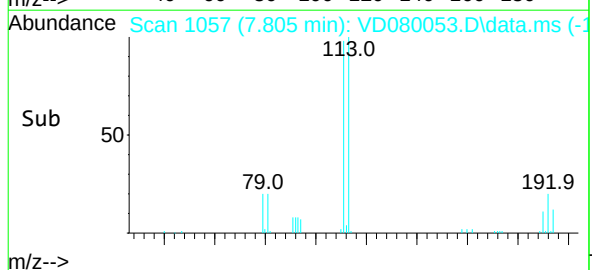
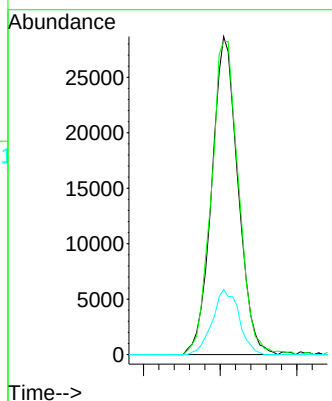
Delta R.T. -0.000 min

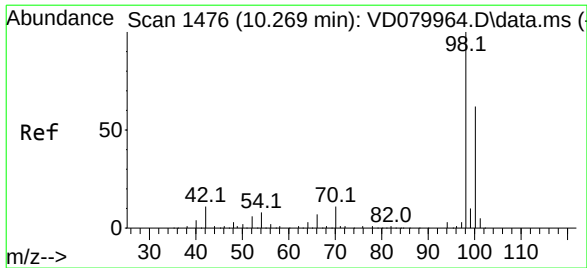
Lab File: VD080053.D

Acq: 17 Nov 2024 20:16



Tgt Ion:	113	Resp:	68121
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.5	123.7
192	20.7	16.6	25.0





#50

Toluene-d8

Concen: 35.670 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD080053.D

Acq: 17 Nov 2024 20:16

Instrument :

MSVOA_D

ClientSampleId :

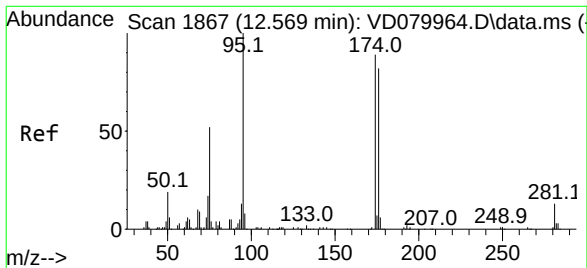
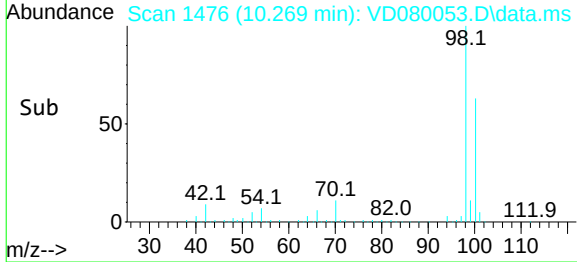
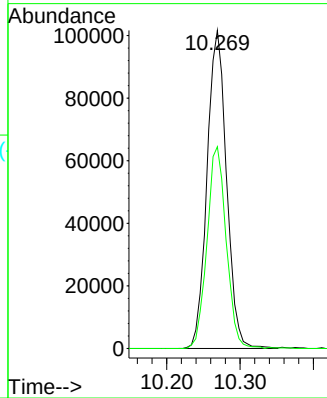
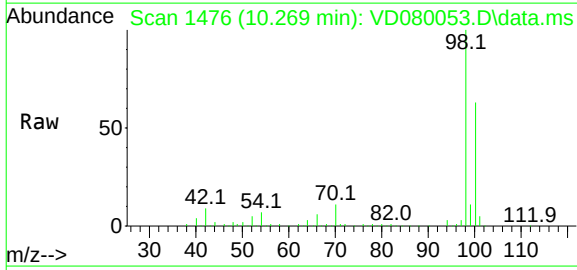
SOIL-4RE

Tgt Ion: 98 Resp: 187494

Ion Ratio Lower Upper

98 100

100 62.4 50.2 75.4



#62

4-Bromofluorobenzene

Concen: 29.132 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD080053.D

Acq: 17 Nov 2024 20:16

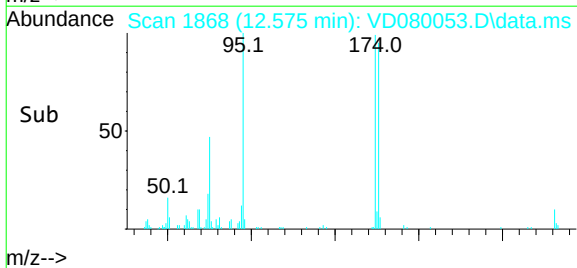
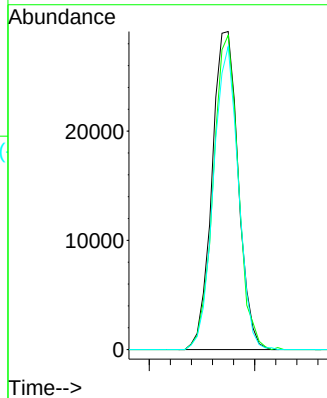
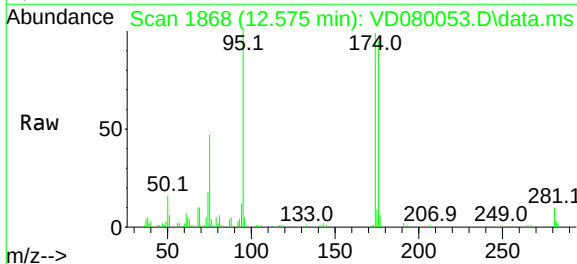
Tgt Ion: 95 Resp: 50241

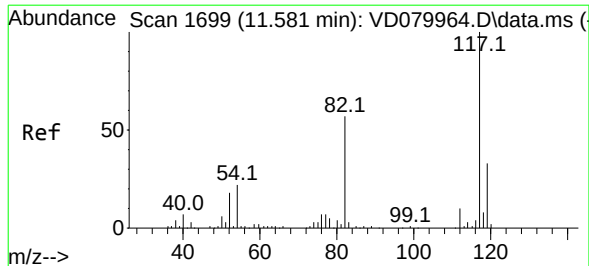
Ion Ratio Lower Upper

95 100

174 94.2 0.0 173.4

176 90.3 0.0 166.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VD080053.D

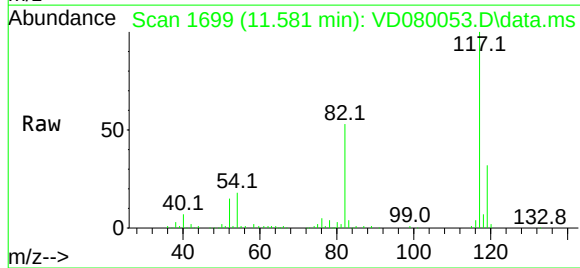
Acq: 17 Nov 2024 20:16

Instrument :

MSVOA_D

ClientSampleId :

SOIL-4RE



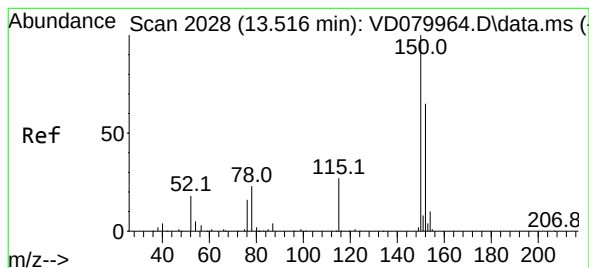
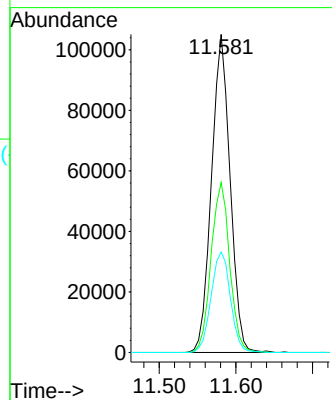
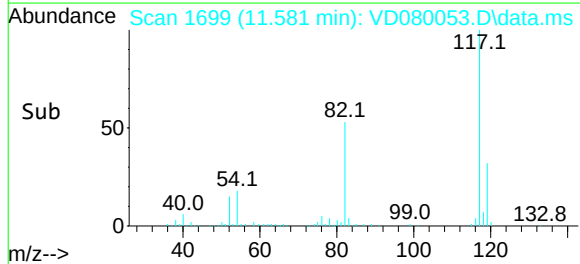
Tgt Ion:117 Resp: 177030

Ion Ratio Lower Upper

117 100

82 53.4 45.8 68.6

119 31.6 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD080053.D

Acq: 17 Nov 2024 20:16

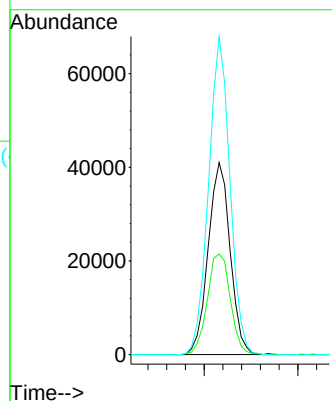
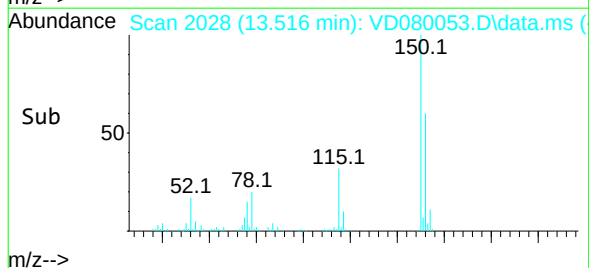
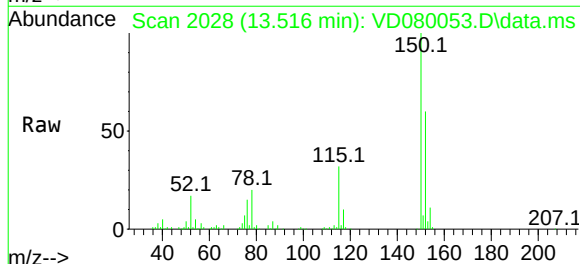
Tgt Ion:152 Resp: 66849

Ion Ratio Lower Upper

152 100

115 55.0 28.9 86.8

150 160.9 0.0 354.8



Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.9
Sample Wt/Vol:	6.12	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020292.D	1		11/13/24 18:46	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	4.60	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.60	ug/Kg
75-01-4	Vinyl Chloride	0.71	U	0.71	4.60	ug/Kg
74-83-9	Bromomethane	0.95	U	0.95	4.60	ug/Kg
75-00-3	Chloroethane	0.93	U	0.93	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.84	U	0.84	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.98	U	0.98	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.72	U	0.72	4.60	ug/Kg
67-64-1	Acetone	5.70	U	5.70	23.0	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.62	U	0.62	4.60	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	4.60	ug/Kg
75-09-2	Methylene Chloride	3.10	U	3.10	9.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.77	U	0.77	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.58	U	0.58	4.60	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.60	ug/Kg
78-93-3	2-Butanone	5.20	U	5.20	23.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	UQ	0.80	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	4.60	ug/Kg
74-97-5	Bromochloromethane	2.20	U	2.20	4.60	ug/Kg
67-66-3	Chloroform	0.62	U	0.62	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.72	U	0.72	4.60	ug/Kg
108-87-2	Methylcyclohexane	0.80	U	0.80	4.60	ug/Kg
71-43-2	Benzene	0.66	UQ	0.66	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.56	UQ	0.56	4.60	ug/Kg
79-01-6	Trichloroethene	0.69	U	0.69	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.61	UQ	0.61	4.60	ug/Kg
75-27-4	Bromodichloromethane	0.51	UQ	0.51	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.00	U	4.00	23.0	ug/Kg
108-88-3	Toluene	0.62	U	0.62	4.60	ug/Kg

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	11/12/24	
Project:	BAPS North Bergen		Date Received:	11/12/24	
Client Sample ID:	SOIL-5		SDG No.:	P4822	
Lab Sample ID:	P4822-09		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	88.9	
Sample Wt/Vol:	6.12	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020292.D	1		11/13/24 18:46	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.55	U	0.55	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	UQ	0.52	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.77	UQ	0.77	4.60	ug/Kg
591-78-6	2-Hexanone	4.40	U	4.40	23.0	ug/Kg
124-48-1	Dibromochloromethane	0.60	UQ	0.60	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.60	ug/Kg
127-18-4	Tetrachloroethene	0.82	UQ	0.82	4.60	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	4.60	ug/Kg
100-41-4	Ethyl Benzene	0.57	U	0.57	4.60	ug/Kg
179601-23-1	m/p-Xylenes	1.20	UQ	1.20	9.20	ug/Kg
95-47-6	o-Xylene	0.64	UQ	0.64	4.60	ug/Kg
100-42-5	Styrene	0.55	UQ	0.55	4.60	ug/Kg
75-25-2	Bromoform	0.74	UQ	0.74	4.60	ug/Kg
98-82-8	Isopropylbenzene	0.62	U	0.62	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.68	U	0.68	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.74	U	0.74	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.54	U	0.54	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.73	U	0.73	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.72	U	0.72	4.60	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	47.5		70 (50) - 130 (163)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	65.3	*	70 (54) - 130 (147)	131%	SPK: 50
2037-26-5	Toluene-d8	48.5		70 (58) - 130 (134)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		70 (29) - 130 (146)	89%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	188000	7.713			
540-36-3	1,4-Difluorobenzene	325000	8.622			
3114-55-4	Chlorobenzene-d5	313000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	138000	13.347			

TENTATIVE IDENTIFIED COMPOUNDS



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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.9
Sample Wt/Vol:	6.12	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020292.D	1		11/13/24 18:46	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
055429-85-1	Benzeneethanamine, N-[(pentafluoro	6.30	J		13.9	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020292.D
Acq On : 13 Nov 2024 18:46
Operator : SY/MD
Sample : P4822-09
Misc : 6.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-5

Quant Time: Nov 14 01:02:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	187862	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	324534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	313306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	137784	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	111434	47.527	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.060%
35) Dibromofluoromethane	7.640	113	134823	65.341	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	130.680%
50) Toluene-d8	10.109	98	398660	48.539	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.080%
62) 4-Bromofluorobenzene	12.408	95	119036	44.620	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	89.240%

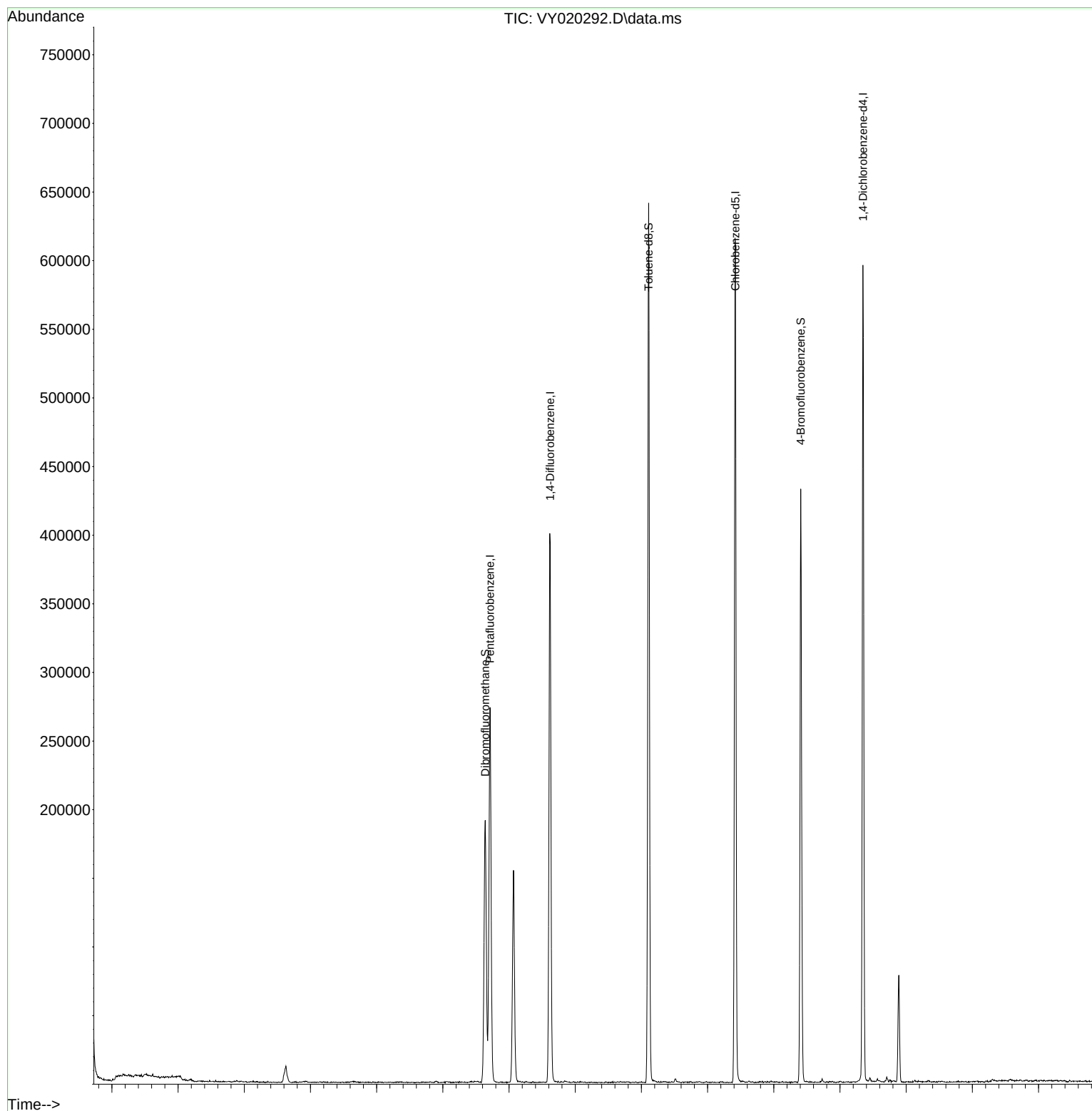
Target Compounds	Qvalue

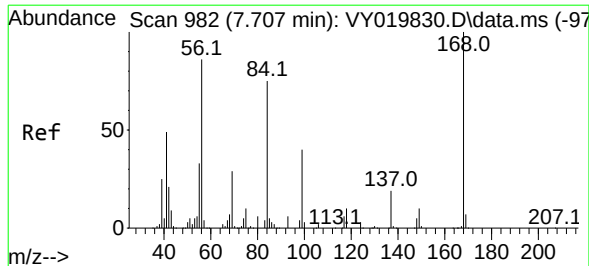
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020292.D
Acq On : 13 Nov 2024 18:46
Operator : SY/MD
Sample : P4822-09
Misc : 6.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-5

Quant Time: Nov 14 01:02:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

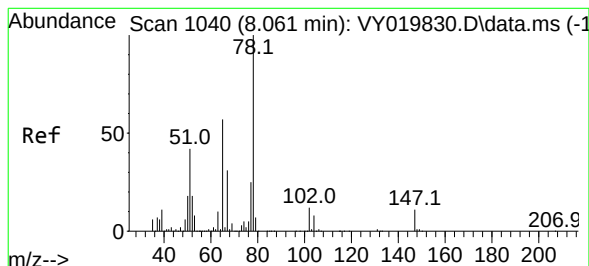
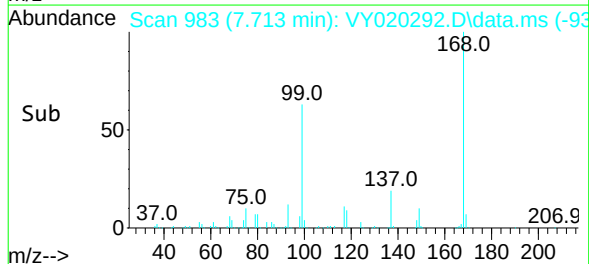
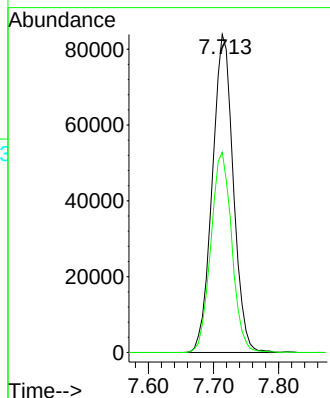
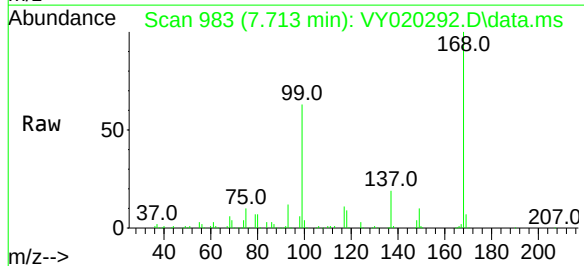




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020292.D
Acq: 13 Nov 2024 18:46

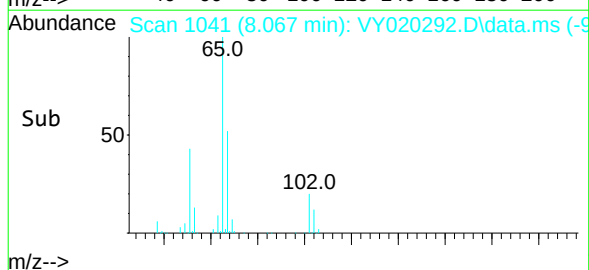
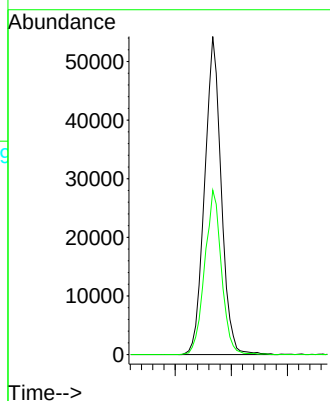
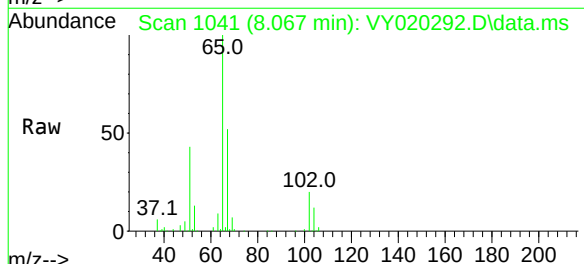
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-5

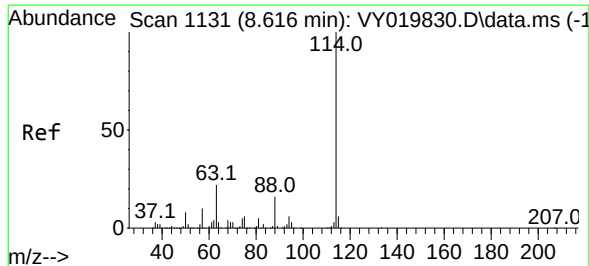
Tgt Ion:168 Resp: 187862
Ion Ratio Lower Upper
168 100
99 63.0 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 47.527 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020292.D
Acq: 13 Nov 2024 18:46

Tgt Ion: 65 Resp: 111434
Ion Ratio Lower Upper
65 100
67 52.2 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY020292.D

Acq: 13 Nov 2024 18:46

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-5

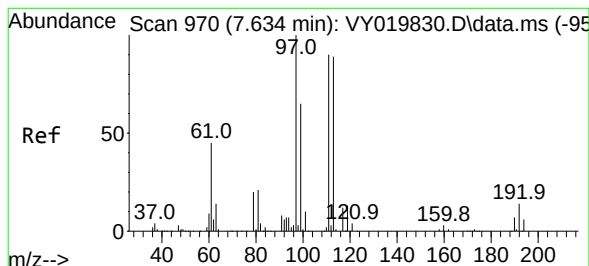
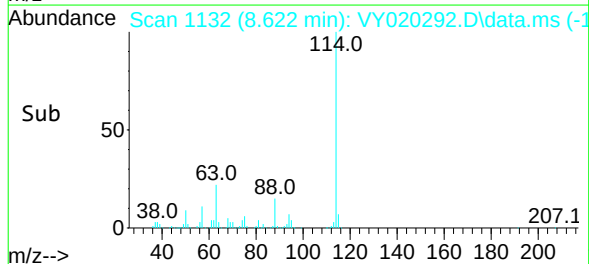
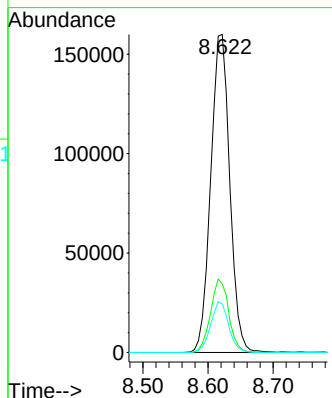
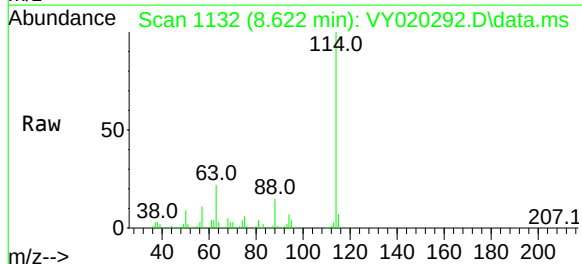
Tgt Ion:114 Resp: 324534

Ion Ratio Lower Upper

114 100

63 21.5 0.0 35.0

88 15.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 65.341 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY020292.D

Acq: 13 Nov 2024 18:46

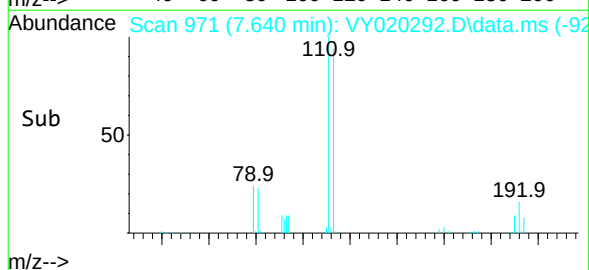
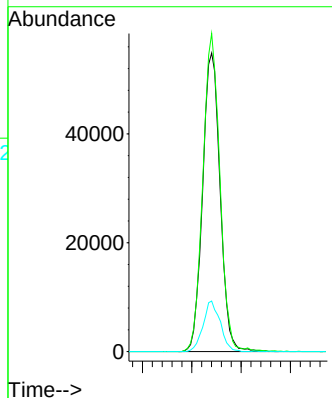
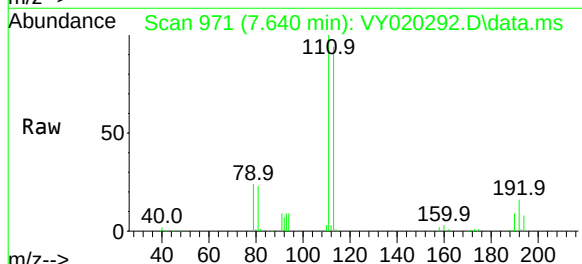
Tgt Ion:113 Resp: 134823

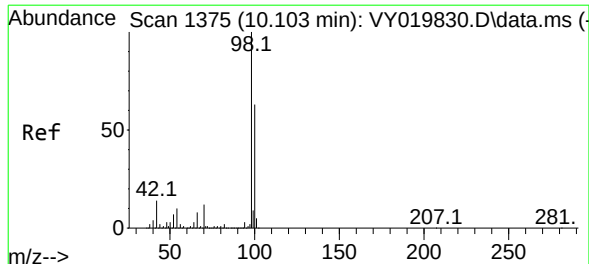
Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.4

192 16.6 15.9 23.9





#50

Toluene-d8

Concen: 48.539 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020292.D

Acq: 13 Nov 2024 18:46

Instrument :

MSVOA_Y

ClientSampleId :

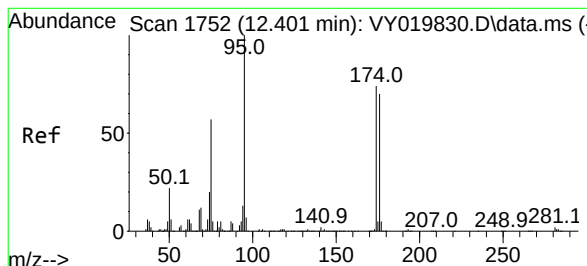
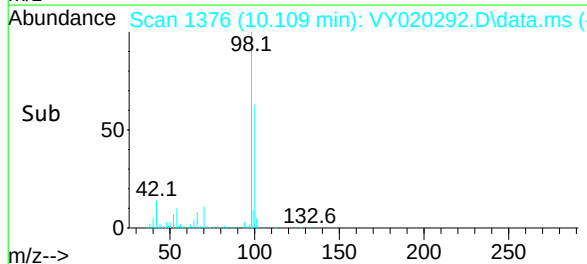
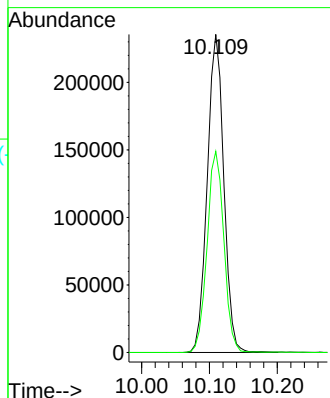
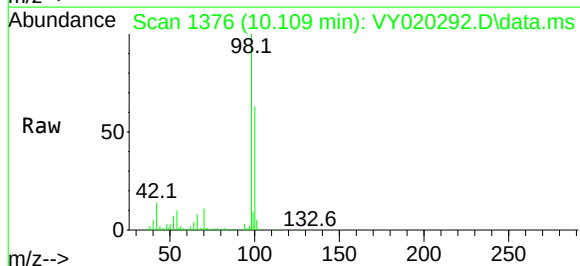
SOIL-5

Tgt Ion: 98 Resp: 398660

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 44.620 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020292.D

Acq: 13 Nov 2024 18:46

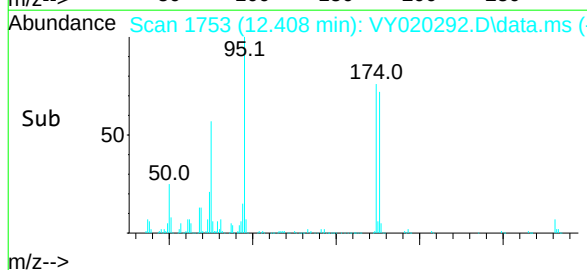
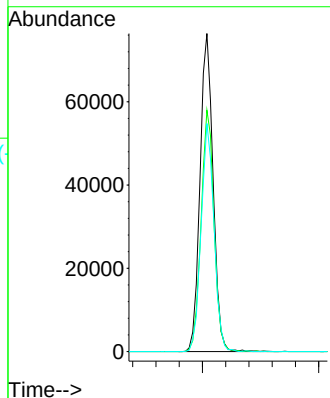
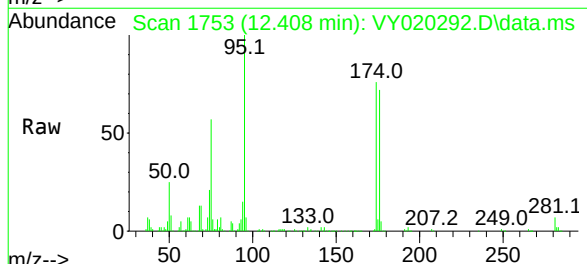
Tgt Ion: 95 Resp: 119036

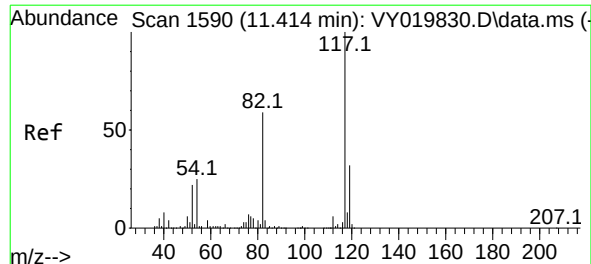
Ion Ratio Lower Upper

95 100

174 74.9 0.0 175.6

176 70.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY020292.D

Acq: 13 Nov 2024 18:46

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-5

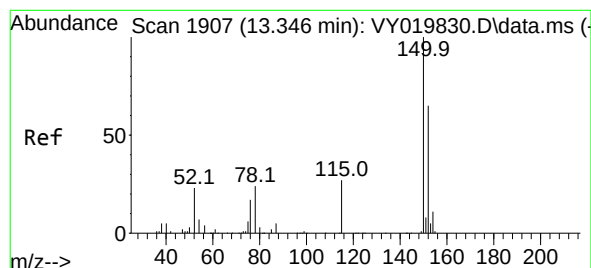
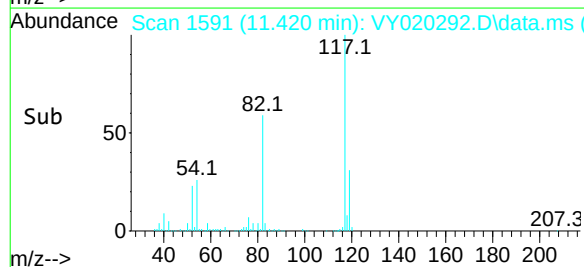
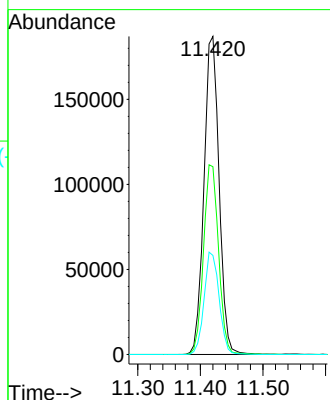
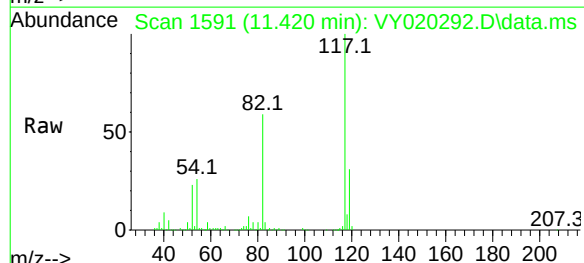
Tgt Ion:117 Resp: 313306

Ion Ratio Lower Upper

117 100

82 59.0 42.4 63.6

119 31.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020292.D

Acq: 13 Nov 2024 18:46

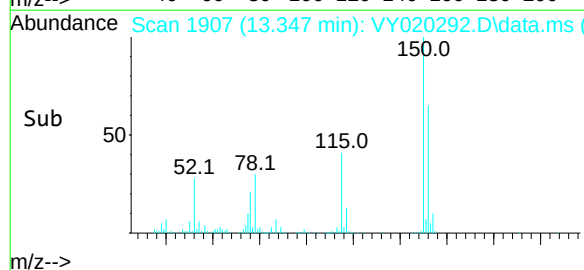
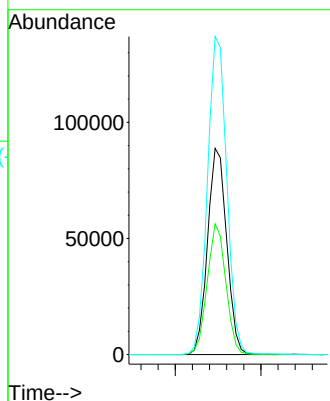
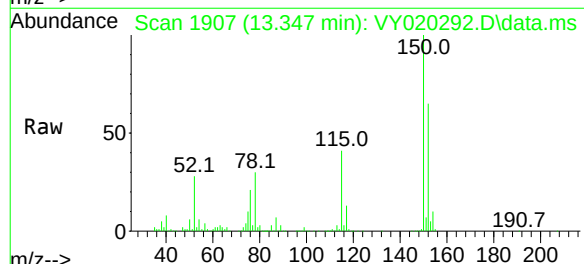
Tgt Ion:152 Resp: 137784

Ion Ratio Lower Upper

152 100

115 61.7 28.2 84.7

150 155.5 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020292.D
 Acq On : 13 Nov 2024 18:46
 Operator : SY/MD
 Sample : P4822-09
 Misc : 6.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-5

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Title : SW846 8260

Signal : TIC: VY020292.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.629	467	477	488	rBV2	11806	34712	3.14%	0.567%
2	7.640	961	971	977	rBV	191179	464239	42.02%	7.582%
3	7.713	977	983	994	rVB	272518	603027	54.58%	9.849%
4	8.067	1032	1041	1051	rBV	154415	323555	29.29%	5.285%
5	8.616	1123	1131	1144	rBV	399888	801846	72.58%	13.096%
6	10.109	1368	1376	1386	rBV	640910	1104756	100.00%	18.044%
7	11.414	1583	1590	1602	rBV	615489	1038386	93.99%	16.960%
8	12.408	1745	1753	1763	rBV2	432647	714321	64.66%	11.667%
9	13.347	1897	1907	1916	rBV	594234	912939	82.64%	14.911%
10	13.889	1989	1996	2003	rVB	77914	124838	11.30%	2.039%

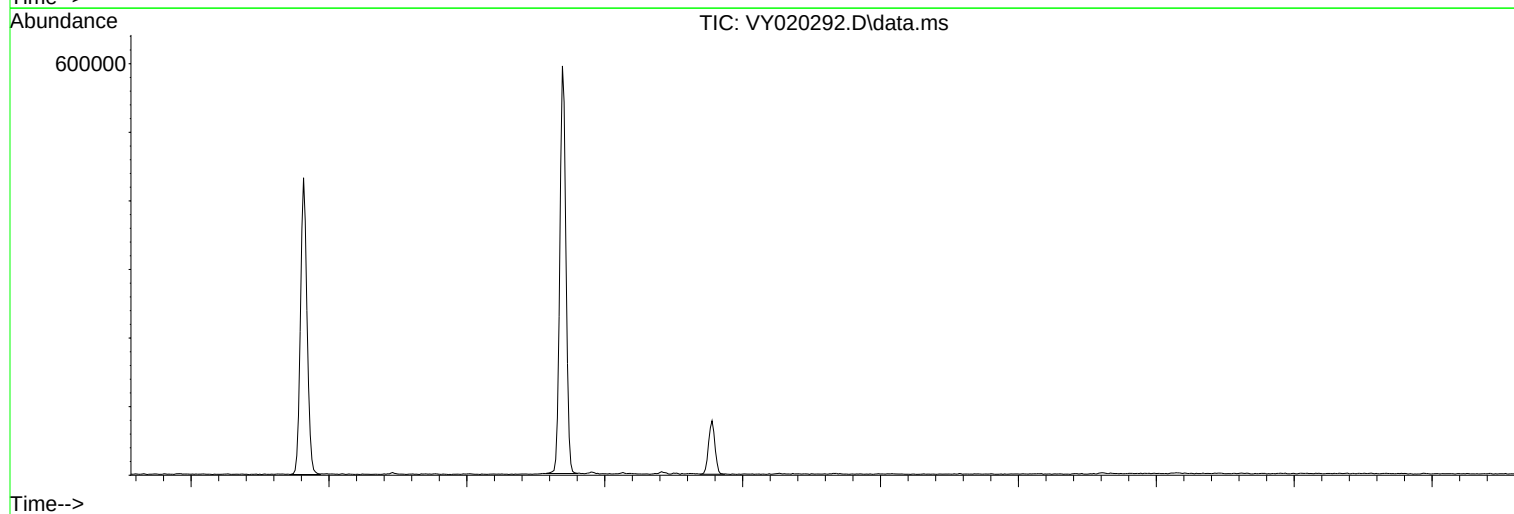
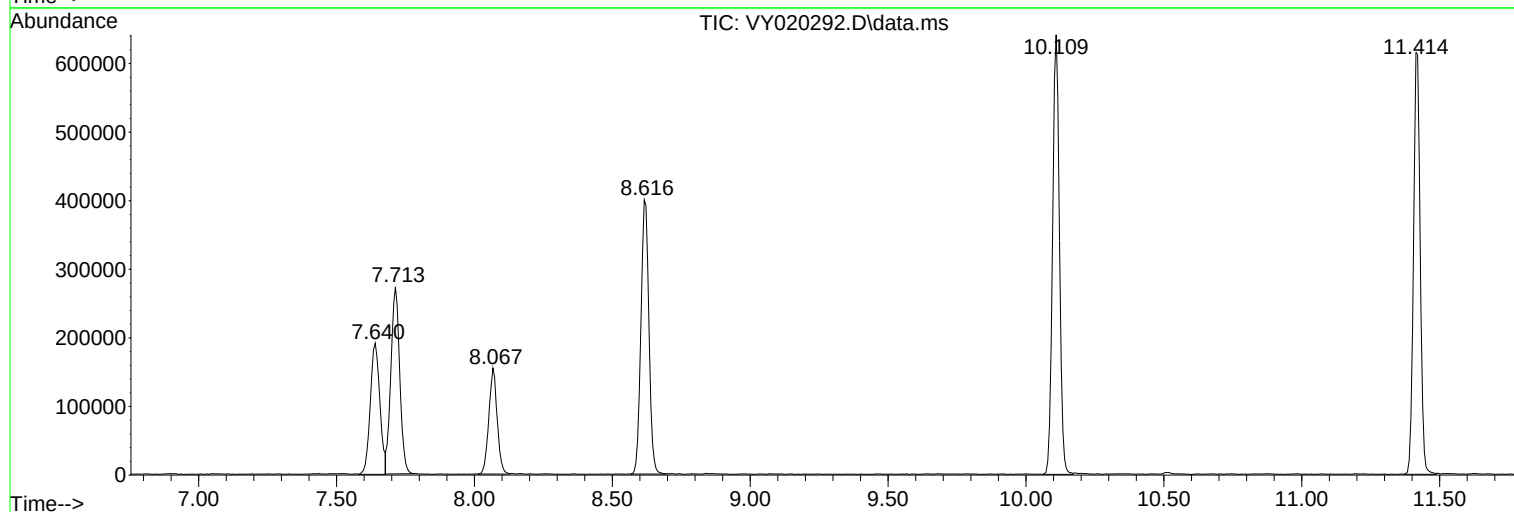
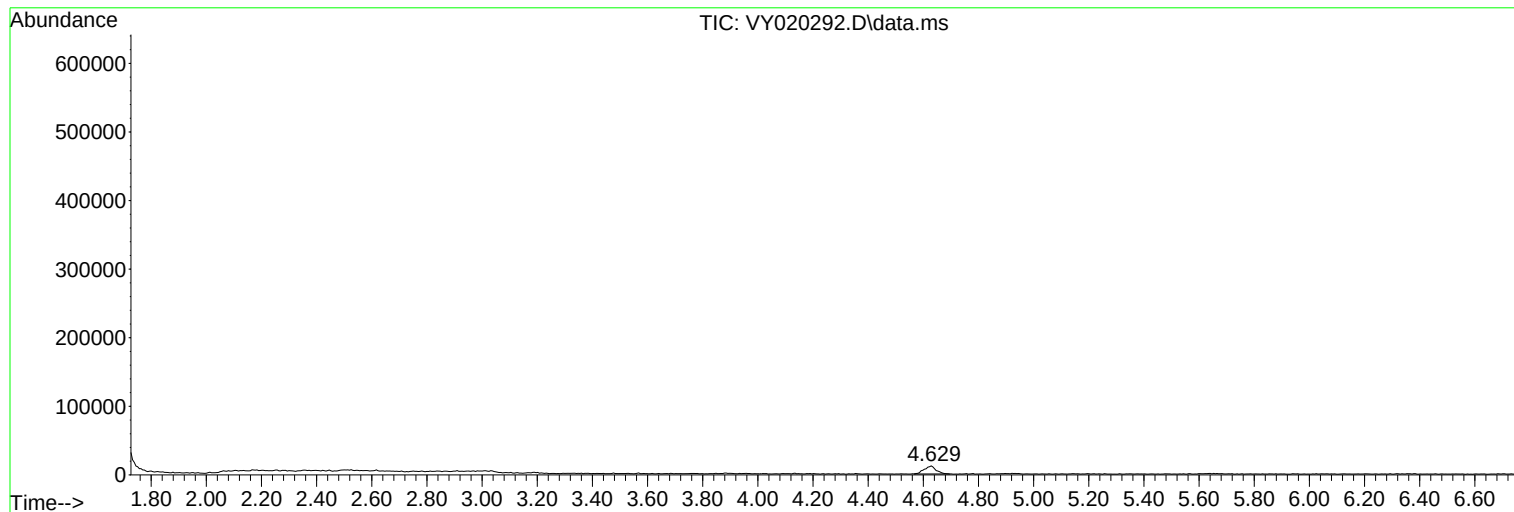
Sum of corrected areas: 6122619

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020292.D
Acq On : 13 Nov 2024 18:46
Operator : SY/MD
Sample : P4822-09
Misc : 6.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020292.D
Acq On : 13 Nov 2024 18:46
Operator : SY/MD
Sample : P4822-09
Misc : 6.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-5

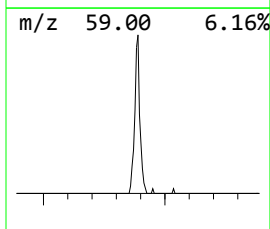
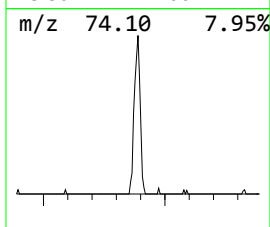
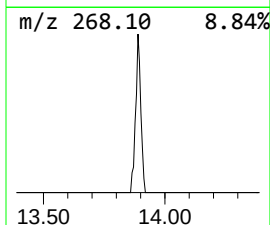
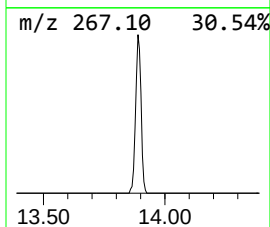
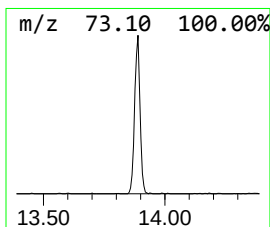
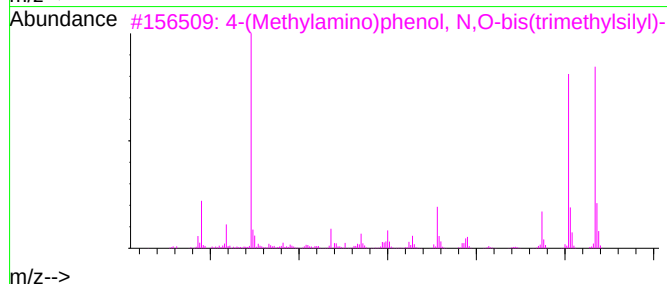
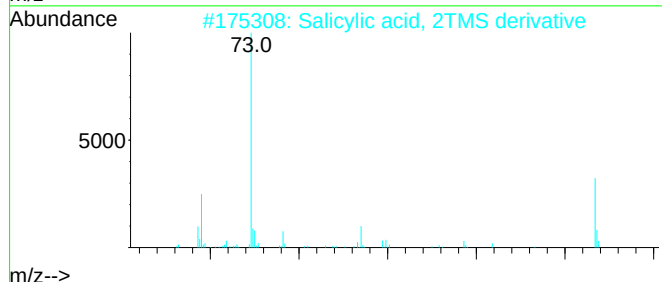
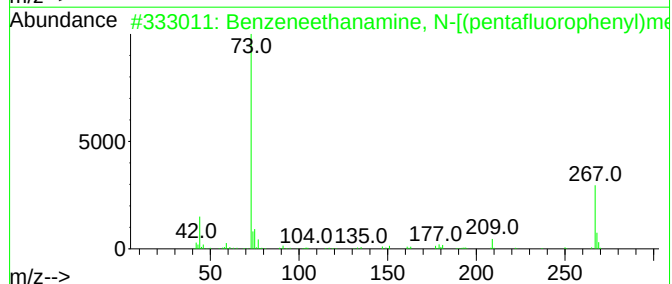
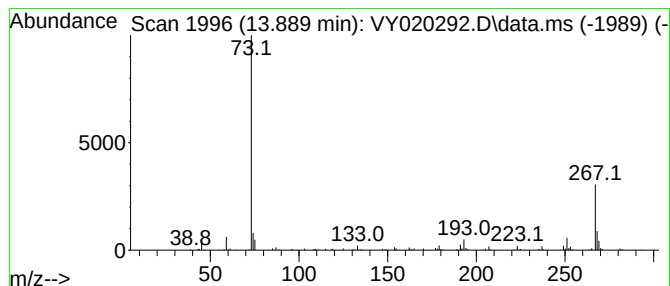
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 1 Benzeneethanamine, N-[(pent... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.889	6.84 ug/l	124838	1,4-Dichlorobenzene-d4			13.347
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzeneethanamine, N-[(pentafluoroethylideneamino)oxy]benzyl		475	C21H26F5N02Si2	055429-85-1	59
2	Salicylic acid, 2TMS derivative		282	C13H22O3Si2	003789-85-3	50
3	4-(Methylamino)phenol, N,O-bis(trimethylsilyl)-		267	C13H25NOSi2	1000471-13-0	45
4	Tetrasiloxane, 1,1,3,3,5,5,7,7-octamethyl-		282	C8H26O3Si4	001000-05-1	43
5	11H-Dibenzo[b,e][1,4]diazepin-11-one		267	C16H17N3O	013450-73-2	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020292.D
Acq On : 13 Nov 2024 18:46
Operator : SY/MD
Sample : P4822-09
Misc : 6.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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
Benzeneethanami...	13.889	6.8	ug/l	124838	4	13.347	912939	50.0

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-6	SDG No.:	P4822
Lab Sample ID:	P4822-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.7
Sample Wt/Vol:	5.49	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020291.D	1		11/13/24 18:23	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.20	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.20	ug/Kg
75-01-4	Vinyl Chloride	0.80	U	0.80	5.20	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.20	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.95	U	0.95	5.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.81	U	0.81	5.20	ug/Kg
67-64-1	Acetone	6.50	U	6.50	26.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.70	U	0.70	5.20	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	5.20	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.87	U	0.87	5.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.65	U	0.65	5.20	ug/Kg
110-82-7	Cyclohexane	0.72	U	0.72	5.20	ug/Kg
78-93-3	2-Butanone	5.90	U	5.90	26.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.90	UQ	0.90	5.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.63	U	0.63	5.20	ug/Kg
74-97-5	Bromochloromethane	2.50	U	2.50	5.20	ug/Kg
67-66-3	Chloroform	0.70	U	0.70	5.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.81	U	0.81	5.20	ug/Kg
108-87-2	Methylcyclohexane	0.90	U	0.90	5.20	ug/Kg
71-43-2	Benzene	0.75	UQ	0.75	5.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.63	UQ	0.63	5.20	ug/Kg
79-01-6	Trichloroethene	0.78	U	0.78	5.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.69	UQ	0.69	5.20	ug/Kg
75-27-4	Bromodichloromethane	0.58	UQ	0.58	5.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.50	U	4.50	26.0	ug/Kg
108-88-3	Toluene	0.70	U	0.70	5.20	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-6	SDG No.:	P4822
Lab Sample ID:	P4822-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.7
Sample Wt/Vol:	5.49 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020291.D	1		11/13/24 18:23	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.62	U	0.62	5.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.59	UQ	0.59	5.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.87	UQ	0.87	5.20	ug/Kg
591-78-6	2-Hexanone	5.00	U	5.00	26.0	ug/Kg
124-48-1	Dibromochloromethane	0.68	UQ	0.68	5.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.82	U	0.82	5.20	ug/Kg
127-18-4	Tetrachloroethene	0.92	UQ	0.92	5.20	ug/Kg
108-90-7	Chlorobenzene	0.77	U	0.77	5.20	ug/Kg
100-41-4	Ethyl Benzene	0.64	U	0.64	5.20	ug/Kg
179601-23-1	m/p-Xylenes	1.40	UQ	1.40	10.4	ug/Kg
95-47-6	o-Xylene	0.73	UQ	0.73	5.20	ug/Kg
100-42-5	Styrene	0.62	UQ	0.62	5.20	ug/Kg
75-25-2	Bromoform	0.84	UQ	0.84	5.20	ug/Kg
98-82-8	Isopropylbenzene	0.70	U	0.70	5.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.77	U	0.77	5.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.83	U	0.83	5.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.61	U	0.61	5.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.82	U	0.82	5.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.81	U	0.81	5.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.9		70 (50) - 130 (163)	80%	SPK: 50
1868-53-7	Dibromofluoromethane	61.6		70 (54) - 130 (147)	123%	SPK: 50
2037-26-5	Toluene-d8	45.1		70 (58) - 130 (134)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.7		70 (29) - 130 (146)	73%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	206000	7.713			
540-36-3	1,4-Difluorobenzene	356000	8.615			
3114-55-4	Chlorobenzene-d5	288000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.346			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-6	SDG No.:	P4822
Lab Sample ID:	P4822-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.7
Sample Wt/Vol:	5.49 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020291.D	1		11/13/24 18:23	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	12.8	J		13.9	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020291.D
 Acq On : 13 Nov 2024 18:23
 Operator : SY/MD
 Sample : P4822-11
 Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-6

Quant Time: Nov 14 01:01:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	206493	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	355515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	288337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	124535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	102799	39.888	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.780%
35) Dibromofluoromethane	7.640	113	139221	61.593	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	123.180%
50) Toluene-d8	10.109	98	405849	45.108	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.220%
62) 4-Bromofluorobenzene	12.407	95	107192	36.679	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	73.360%

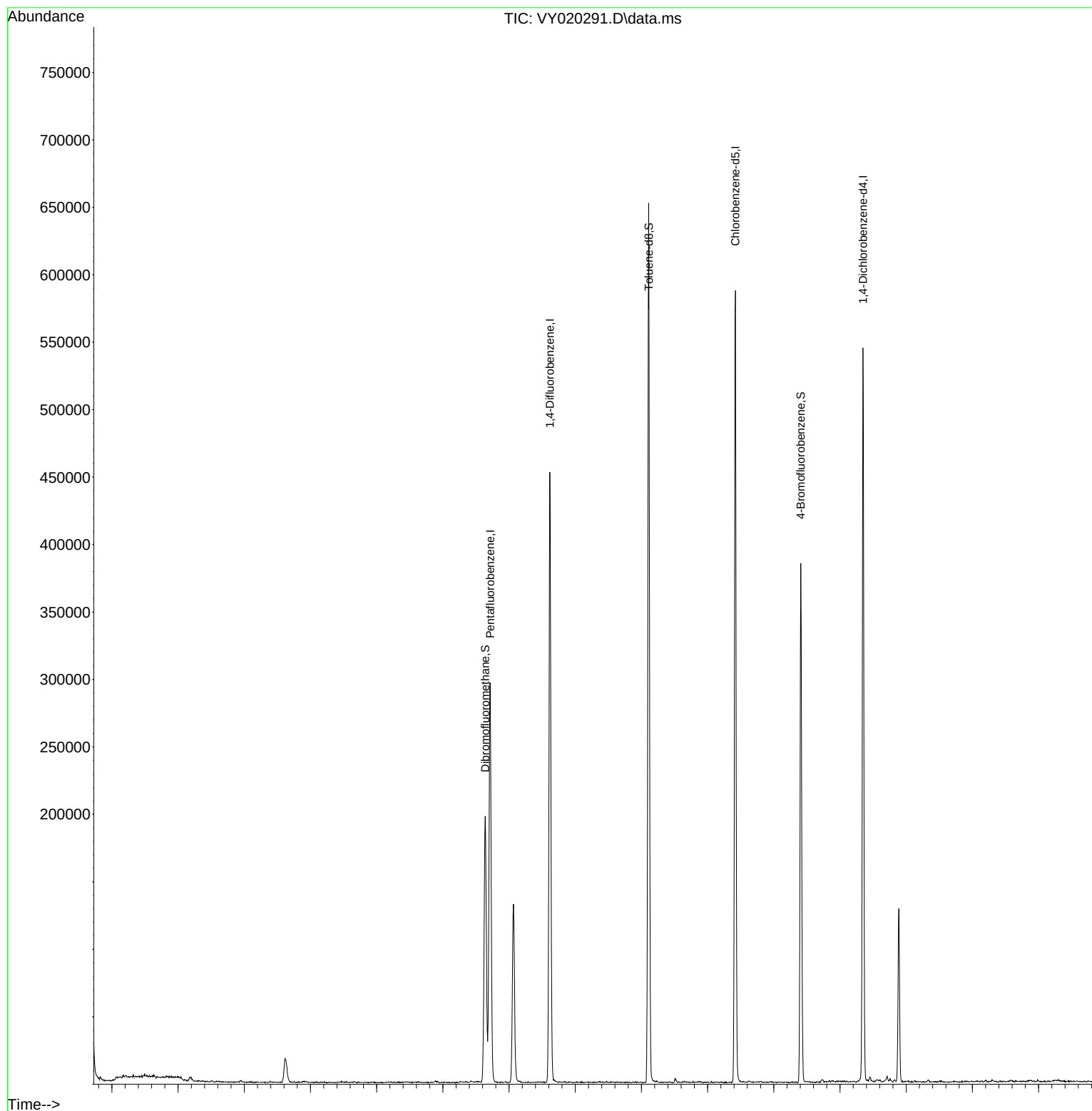
Target Compounds Qvalue

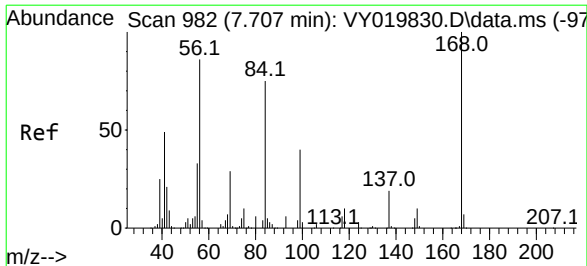
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020291.D
Acq On : 13 Nov 2024 18:23
Operator : SY/MD
Sample : P4822-11
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-6

Quant Time: Nov 14 01:01:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

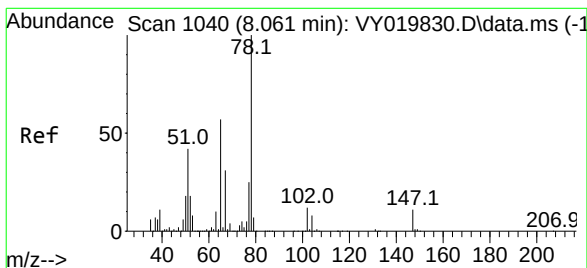
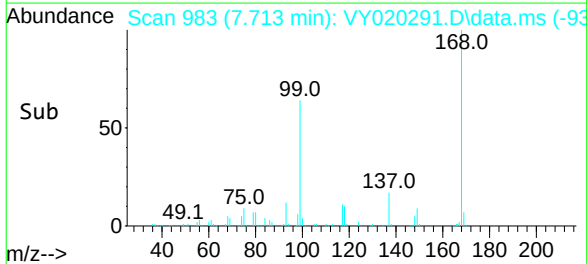
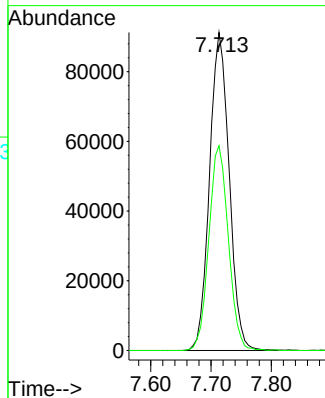
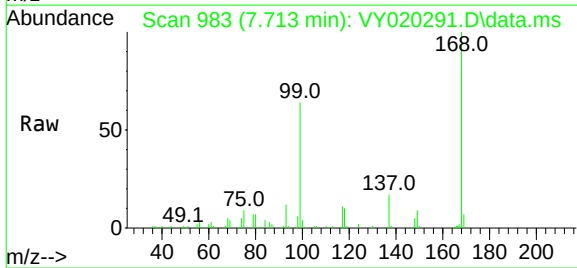




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020291.D
Acq: 13 Nov 2024 18:23

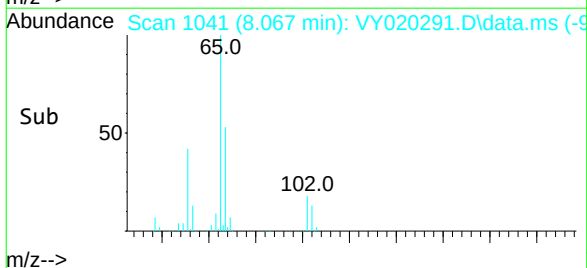
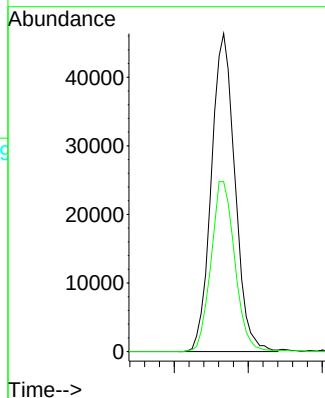
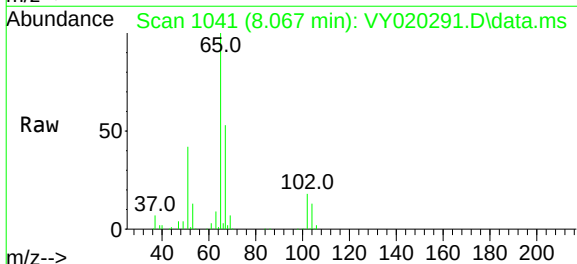
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-6

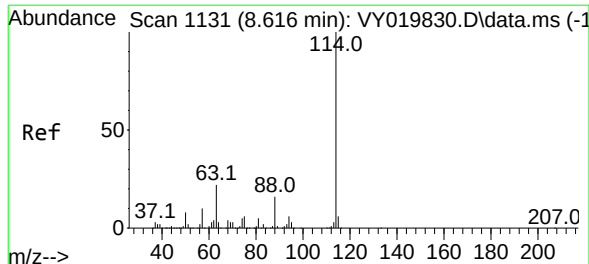
Tgt Ion:168 Resp: 206493
Ion Ratio Lower Upper
168 100
99 64.4 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 39.888 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020291.D
Acq: 13 Nov 2024 18:23

Tgt Ion: 65 Resp: 102799
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020291.D

Acq: 13 Nov 2024 18:23

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-6

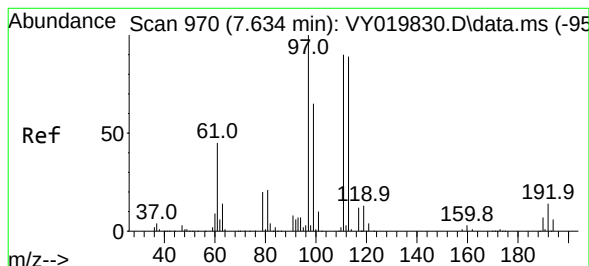
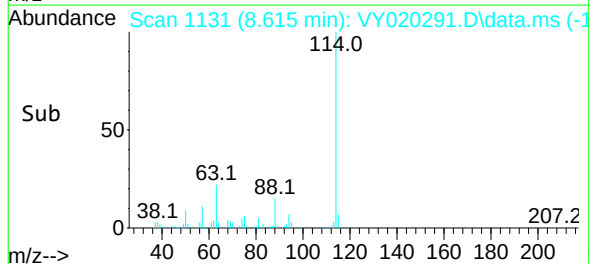
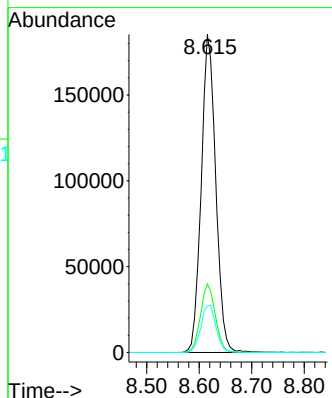
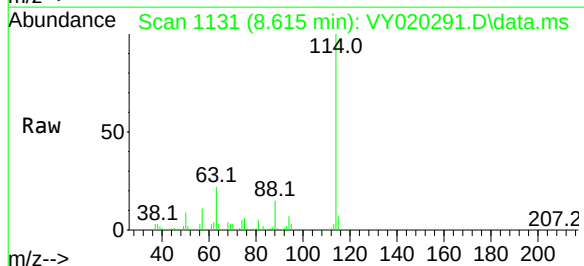
Tgt Ion:114 Resp: 355515

Ion Ratio Lower Upper

114 100

63 21.6 0.0 35.0

88 14.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 61.593 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY020291.D

Acq: 13 Nov 2024 18:23

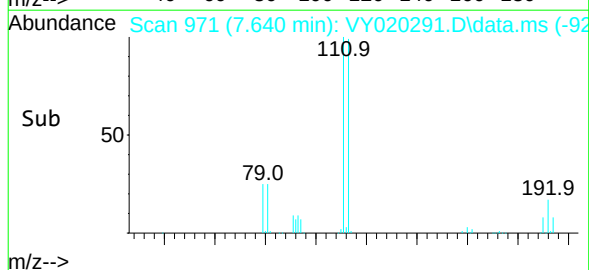
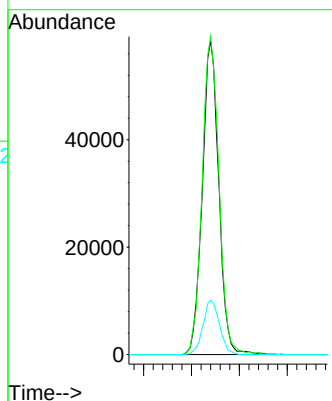
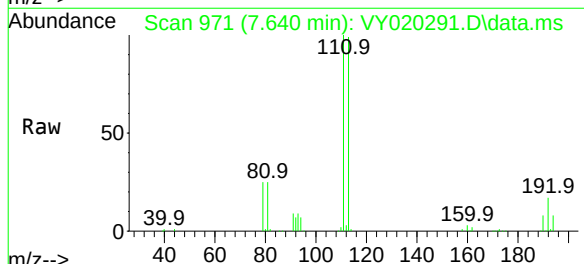
Tgt Ion:113 Resp: 139221

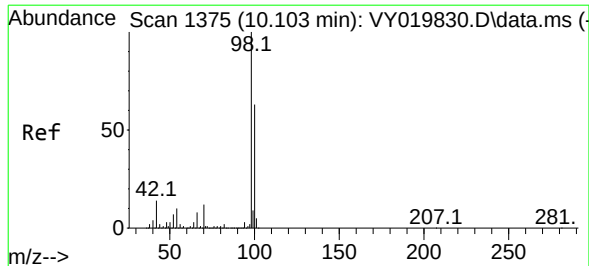
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

192 17.4 15.9 23.9





#50

Toluene-d8

Concen: 45.108 ug/l

RT: 10.109 min Scan# 13

Delta R.T. 0.000 min

Lab File: VY020291.D

Acq: 13 Nov 2024 18:23

Instrument :

MSVOA_Y

ClientSampleId :

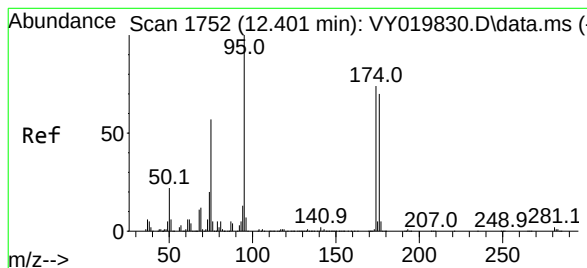
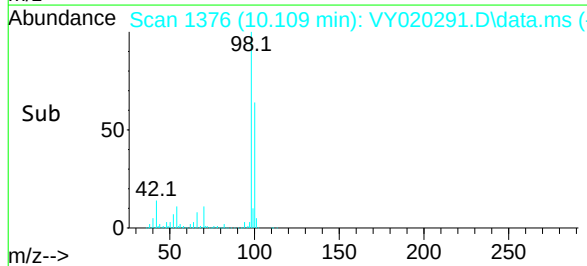
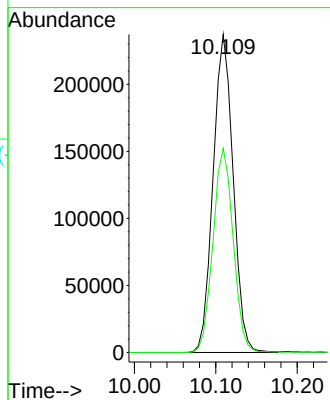
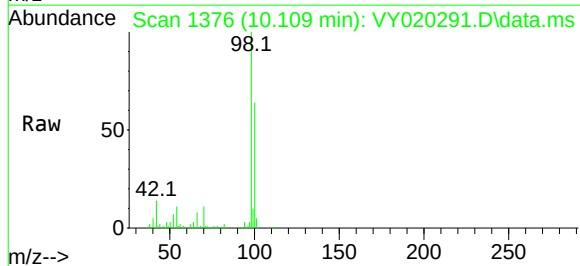
SOIL-6

Tgt Ion: 98 Resp: 405849

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 36.679 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020291.D

Acq: 13 Nov 2024 18:23

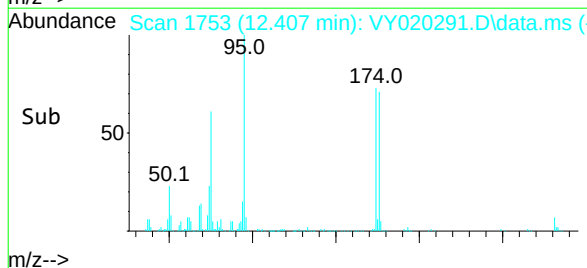
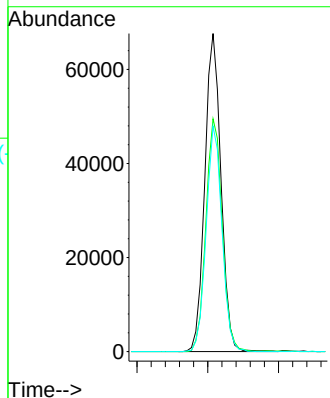
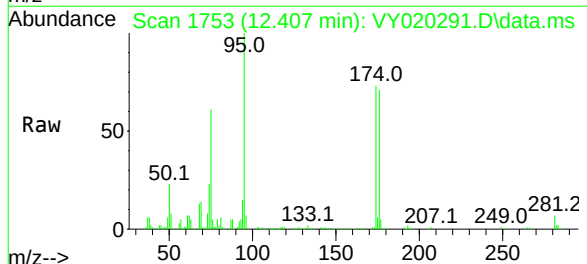
Tgt Ion: 95 Resp: 107192

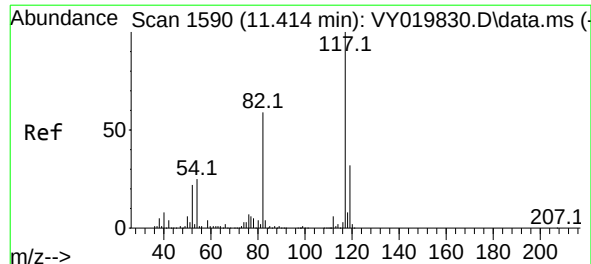
Ion Ratio Lower Upper

95 100

174 74.1 0.0 175.6

176 69.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY020291.D

Acq: 13 Nov 2024 18:23

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-6

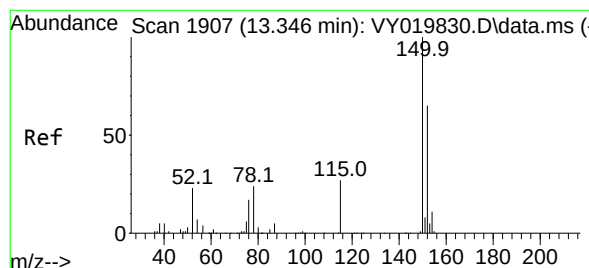
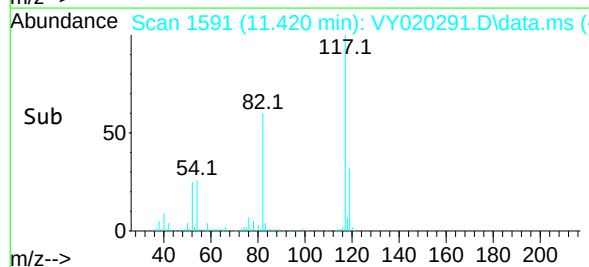
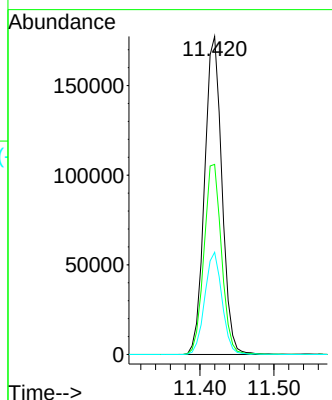
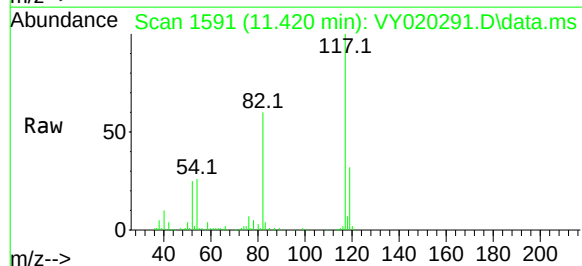
Tgt Ion:117 Resp: 288337

Ion Ratio Lower Upper

117 100

82 59.8 42.4 63.6

119 32.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020291.D

Acq: 13 Nov 2024 18:23

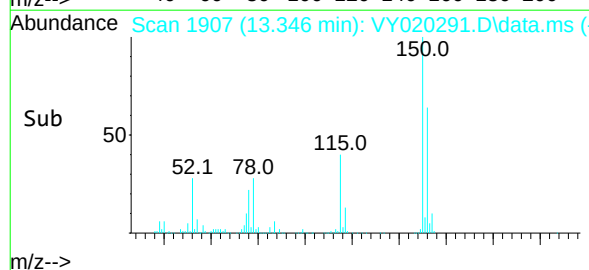
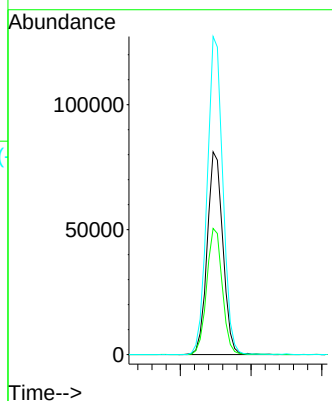
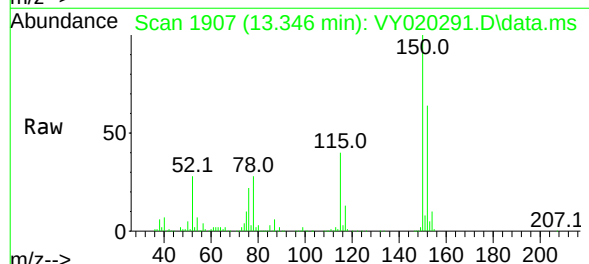
Tgt Ion:152 Resp: 124535

Ion Ratio Lower Upper

152 100

115 61.9 28.2 84.7

150 156.8 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020291.D
Acq On : 13 Nov 2024 18:23
Operator : SY/MD
Sample : P4822-11
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-6

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_Y\methods\82Y103024S.M

Title : SW846 8260

Signal : TIC: VY020291.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	467	475	487	rBV2	17735	56766	5.02%	0.919%
2	7.640	961	971	977	rBV	197309	477130	42.19%	7.727%
3	7.713	977	983	996	rVB	296065	668006	59.06%	10.819%
4	8.067	1031	1041	1052	rBV	132212	301620	26.67%	4.885%
5	8.615	1120	1131	1140	rBV	452400	880377	77.84%	14.258%
6	10.109	1368	1376	1387	rBV	652069	1130968	100.00%	18.316%
7	11.420	1582	1591	1602	rBV	587396	970312	85.79%	15.715%
8	12.407	1745	1753	1763	rBV2	385268	644977	57.03%	10.446%
9	13.346	1896	1907	1918	rBV	543644	837776	74.08%	13.568%
10	13.889	1989	1996	2004	rVB2	128540	206671	18.27%	3.347%

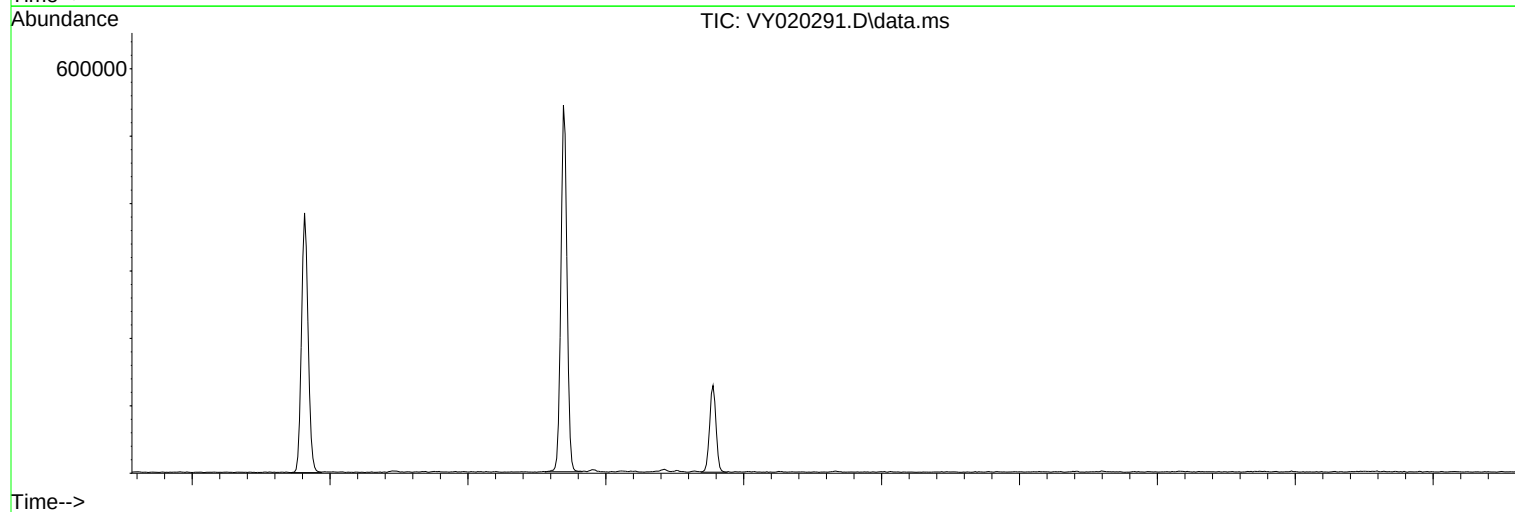
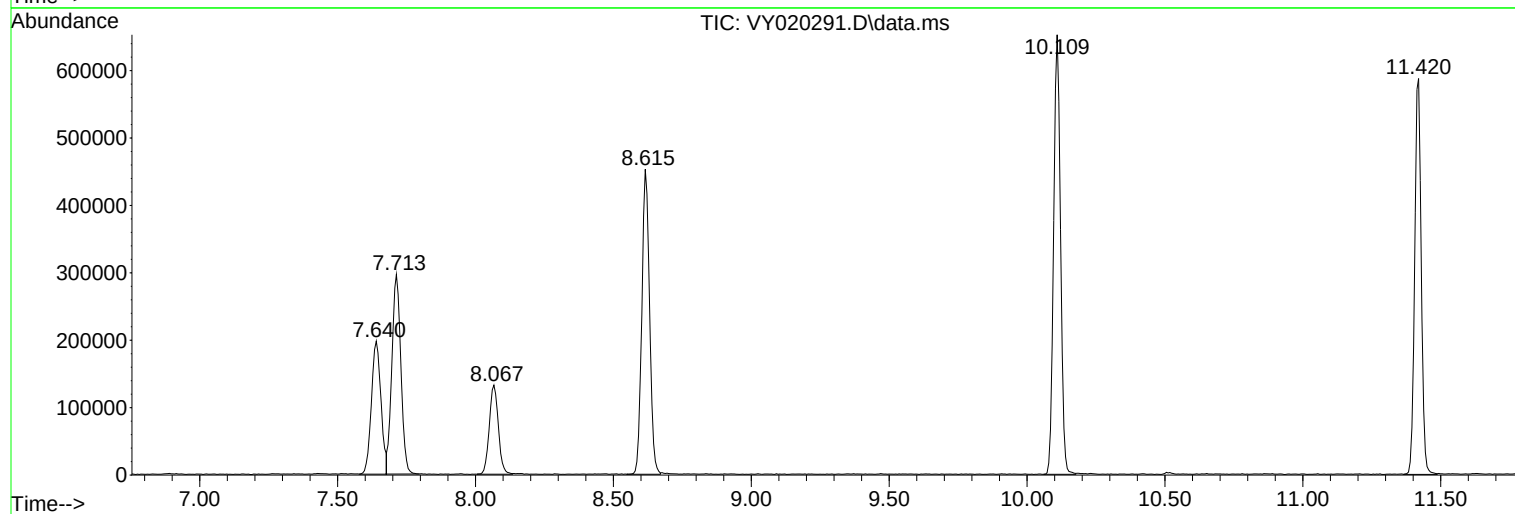
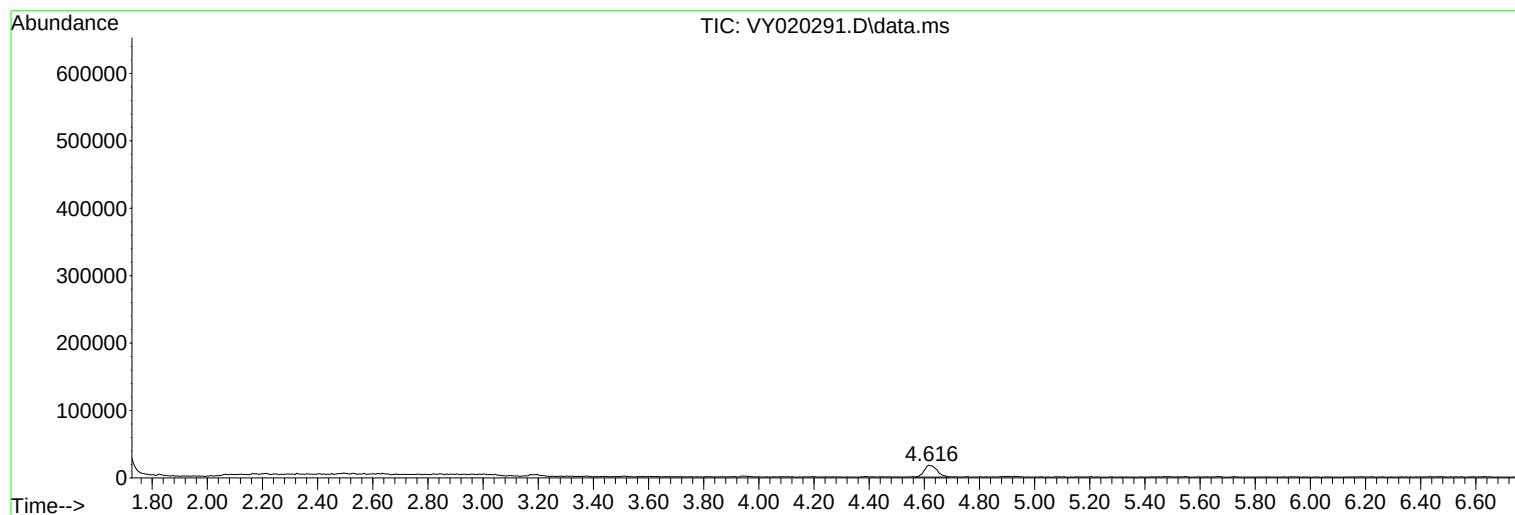
Sum of corrected areas: 6174603

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020291.D
Acq On : 13 Nov 2024 18:23
Operator : SY/MD
Sample : P4822-11
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020291.D
Acq On : 13 Nov 2024 18:23
Operator : SY/MD
Sample : P4822-11
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

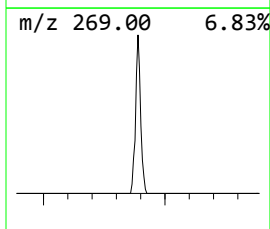
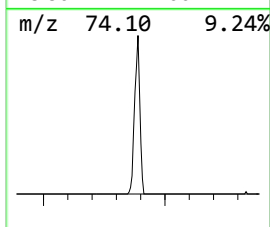
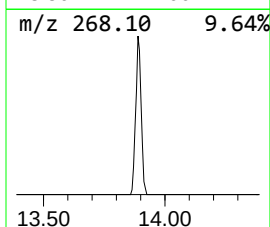
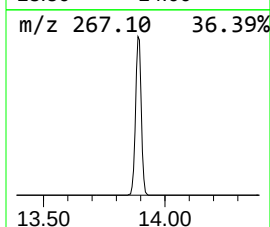
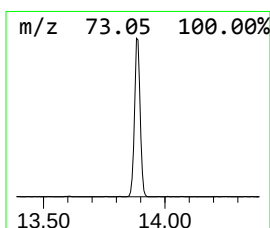
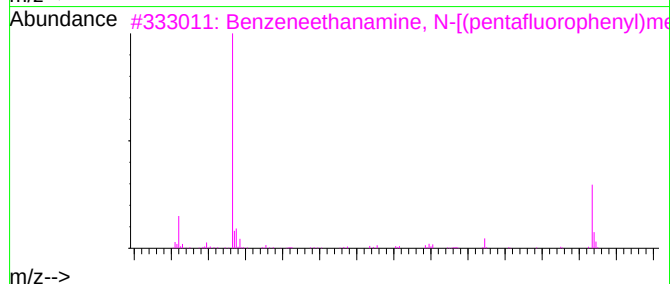
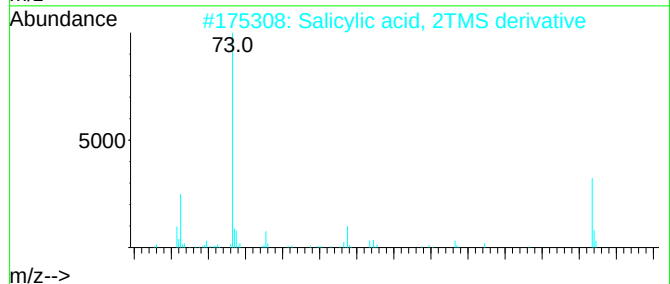
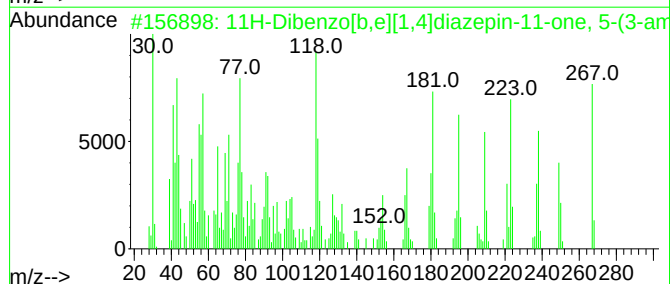
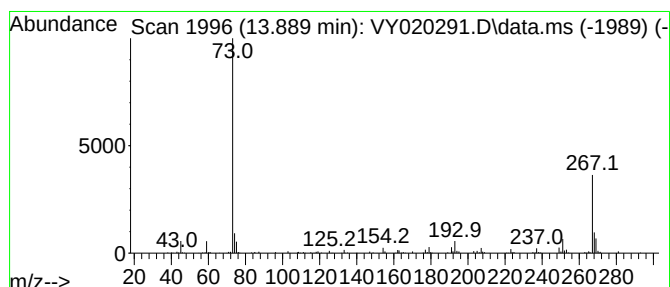
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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

Peak Number 1 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.889	12.33 ug/l	206671	1,4-Dichlorobenzene-d4	13.346	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	95
2	Salicylic acid, 2TMS derivative	282	C13H22O3Si2	003789-85-3	64
3	Benzeneethanamine, N-[(pentafluorophenyl)ethoxy]...	475	C21H26F5NO2Si2	055429-85-1	53
4	2-Amino-m-cresol, N,O-bis(trimethylsilyl)...	267	C13H25NOSi2	1000449-77-1	53
5	5-(4-Fluorophenyl)-1,3-oxazole-2-thione	267	C12H14FNOSSi	1000497-07-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020291.D
Acq On : 13 Nov 2024 18:23
Operator : SY/MD
Sample : P4822-11
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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
11H-Dibenzo[b,e...	13.889	12.3	ug/l	206671	4	13.346	837776	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: BAPS03
 Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822
 Instrument ID: MSVOA_D Calibration Date(s): 11/15/2024 11/15/2024
 Heated Purge: (Y/N) Y Calibration Time(s): 10:04 12:18
 GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID:	RRF005 = VD080020.D		RRF010 = VD080021.D		RRF020 = VD080022.D		RRF050 = VD080023.D		RRF100 = VD080024.D		RRF150 = VD080025.D	
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD				
Dichlorodifluoromethane	0.465	0.388	0.364	0.396	0.396	0.399	0.401	8.4				
Chloromethane	0.330	0.348	0.279	0.276	0.281	0.257	0.295	12.1				
Vinyl Chloride	0.377	0.390	0.312	0.322	0.330	0.290	0.337	11.5				
Bromomethane	0.451	0.498	0.345	0.305	0.347	0.296	0.374	22				
Chloroethane	0.254	0.309	0.228	0.208	0.251	0.195	0.241	16.9				
Trichlorofluoromethane	0.935	0.919	0.763	0.766	0.824	0.758	0.827	9.8				
1,1,2-Trichlorotrifluoroethane	0.571	0.563	0.486	0.481	0.498	0.503	0.517	7.6				
1,1-Dichloroethene	0.535	0.540	0.494	0.491	0.519	0.529	0.518	4.1				
Acetone	0.101	0.116	0.091	0.106	0.132	0.124	0.112	13.6				
Carbon Disulfide	1.724	1.793	1.552	1.554	1.697	1.690	1.668	5.8				
Methyl tert-butyl Ether	0.877	1.057	1.011	1.088	1.156	1.153	1.057	9.9				
Methyl Acetate	0.270	0.251	0.248	0.214	0.255	0.249	0.248	7.5				
Methylene Chloride	0.643	0.628	0.612	0.556	0.581	0.575	0.599	5.6				
trans-1,2-Dichloroethene	0.589	0.579	0.536	0.578	0.579	0.576	0.573	3.3				
1,1-Dichloroethane	1.015	1.040	0.961	0.973	0.974	0.972	0.989	3.2				
Cyclohexane	0.945	0.869	0.780	0.797	0.811	0.828	0.838	7.2				
2-Butanone	0.135	0.141	0.139	0.154	0.155	0.152	0.146	5.8				
Carbon Tetrachloride	0.521	0.515	0.482	0.491	0.483	0.490	0.497	3.4				
cis-1,2-Dichloroethene	0.665	0.649	0.620	0.656	0.675	0.679	0.657	3.2				
Bromochloromethane	0.506	0.495	0.416	0.406	0.402	0.415	0.440	10.7				
Chloroform	1.057	1.143	1.012	1.019	1.006	1.015	1.042	5				
1,1,1-Trichloroethane	0.970	0.930	0.851	0.869	0.864	0.867	0.892	5.3				
Methylcyclohexane	0.517	0.515	0.476	0.556	0.583	0.604	0.542	8.9				
Benzene	1.391	1.430	1.351	1.436	1.439	1.463	1.418	2.8				
1,2-Dichloroethane	0.376	0.382	0.350	0.368	0.367	0.359	0.367	3.1				
Trichloroethene	0.378	0.389	0.341	0.361	0.361	0.372	0.367	4.5				
1,2-Dichloropropane	0.333	0.345	0.329	0.352	0.342	0.344	0.341	2.5				
Bromodichloromethane	0.513	0.504	0.472	0.499	0.492	0.497	0.496	2.8				
4-Methyl-2-Pentanone	0.160	0.164	0.172	0.193	0.197	0.193	0.180	9.1				
Toluene	0.814	0.864	0.823	0.917	0.927	0.945	0.881	6.4				

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: BAPS03
 Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822
 Instrument ID: MSVOA_D Calibration Date(s): 11/15/2024 11/15/2024
 Heated Purge: (Y/N) Y Calibration Time(s): 10:04 12:18
 GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID:		RRF005 = VD080020.D		RRF010 = VD080021.D		RRF020 = VD080022.D		
		RRF050 = VD080023.D		RRF100 = VD080024.D		RRF150 = VD080025.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.401	0.440	0.420	0.459	0.465	0.471	0.442	6.2
cis-1,3-Dichloropropene	0.490	0.501	0.506	0.542	0.549	0.555	0.524	5.3
1,1,2-Trichloroethane	0.256	0.276	0.250	0.267	0.262	0.263	0.262	3.4
2-Hexanone	0.108	0.124	0.122	0.147	0.148	0.145	0.132	12.5
Dibromochloromethane	0.317	0.348	0.320	0.349	0.343	0.349	0.338	4.5
1,2-Dibromoethane	0.234	0.251	0.237	0.252	0.256	0.255	0.247	3.9
Tetrachloroethene	0.386	0.365	0.337	0.342	0.352	0.355	0.356	5
Chlorobenzene	1.138	1.102	1.024	1.070	1.095	1.116	1.091	3.6
Ethyl Benzene	1.740	1.714	1.693	1.866	1.965	2.002	1.830	7.3
m/p-Xylenes	0.647	0.688	0.683	0.727	0.766	0.780	0.715	7.2
o-Xylene	0.542	0.595	0.604	0.670	0.720	0.726	0.643	11.5
Styrene	0.969	1.068	1.105	1.212	1.259	1.271	1.148	10.5
Bromoform	0.240	0.222	0.215	0.223	0.222	0.221	0.224	3.8
Isopropylbenzene	3.045	3.093	2.974	3.271	3.463	3.501	3.224	6.9
1,1,2,2-Tetrachloroethane	0.661	0.656	0.585	0.608	0.612	0.597	0.620	5.1
1,3-Dichlorobenzene	1.711	1.653	1.627	1.688	1.735	1.768	1.697	3.1
1,4-Dichlorobenzene	1.809	1.769	1.608	1.661	1.692	1.686	1.704	4.3
1,2-Dichlorobenzene	1.500	1.502	1.408	1.473	1.502	1.494	1.480	2.5
1,2-Dibromo-3-Chloropropane	0.083	0.109	0.090	0.091	0.096	0.093	0.094	8.9
1,2,4-Trichlorobenzene	0.913	0.860	0.855	0.923	1.001	1.014	0.928	7.3
1,2,3-Trichlorobenzene	0.766	0.782	0.751	0.825	0.873	0.891	0.815	7.1
1,2-Dichloroethane-d4	0.554	0.532	0.451	0.526	0.504	0.523	0.515	6.8
Dibromofluoromethane	0.335	0.357	0.285	0.338	0.329	0.354	0.333	7.8
Toluene-d8	1.162	1.249	1.087	1.330	1.303	1.393	1.254	9
4-Bromofluorobenzene	0.388	0.392	0.353	0.435	0.437	0.464	0.411	9.9

* 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_D\Method\
 Method File : 82D111424S.M
 Title : SW846 8260
 Last Update : Fri Nov 15 06:28:05 2024
 Response Via : Initial Calibration

Calibration Files

5 =VD080011.D 10 =VD080012.D 20 =VD080013.D 50 =VD080014.D 100 =VD080015.D 150 =VD080016.D

D

Compound		5	10	20	50	100	150	Avg	%RSD

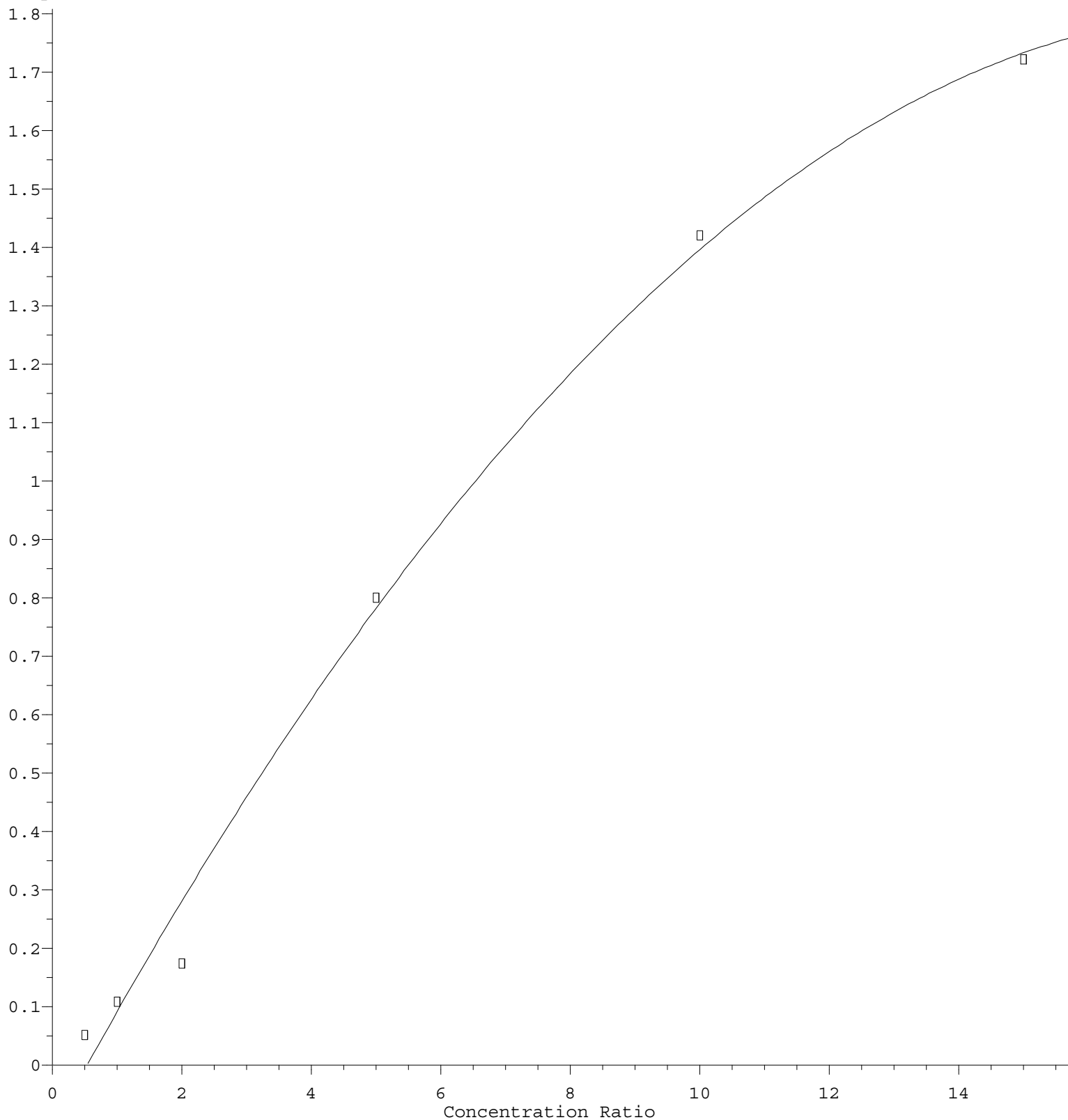
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.505	0.393	0.379	0.469	0.345	0.402	0.416	14.37
3) P	Chloromethane	0.351	0.335	0.269	0.337	0.268	0.273	0.305	12.87
4) C	Vinyl Chloride	0.408	0.413	0.309	0.403	0.299	0.315	0.358	15.51#
5) T	Bromomethane	0.599	0.553	0.394	0.425	0.302	0.329	0.434	27.54
6) T	Chloroethane	0.255	0.300	0.212	0.284	0.199	0.207	0.243	17.79
7) T	Trichlorofluor...	1.045	0.886	0.781	0.943	0.705	0.781	0.857	14.59
8) T	Diethyl Ether	0.241	0.225	0.211	0.263	0.237	0.245	0.237	7.47
9) T	1,1,2-Trichlor...	0.659	0.551	0.498	0.573	0.456	0.507	0.541	13.16
10) T	Methyl Iodide	0.172	0.226	0.385	0.681	0.632	0.787	0.480	53.20
11) T	Tert butyl alc...	0.030	0.028	0.025	0.027	0.024	0.025	0.026	9.67
12) CM	1,1-Dichloroet...	0.565	0.496	0.479	0.571	0.477	0.526	0.519	8.11#
13) T	Acrolein	0.041	0.044	0.043	0.058	0.055	0.049	0.048	14.55
14) T	Allyl chloride	0.668	0.645	0.578	0.818	0.701	0.812	0.704	13.54
15) T	Acrylonitrile	0.093	0.093	0.093	0.114	0.103	0.111	0.101	9.27
16) T	Acetone	0.103	0.109	0.087	0.160	0.142	0.115	0.119	22.56
17) T	Carbon Disulfide	1.881	1.771	1.518	1.912	1.539	1.637	1.710	9.97
18) T	Methyl Acetate	0.256	0.225	0.199	0.267	0.235	0.253	0.239	10.48
19) T	Methyl tert-bu...	0.985	0.889	0.950	1.183	1.056	1.178	1.040	11.66
20) T	Methylene Chlo...	0.771	0.661	0.576	0.669	0.549	0.605	0.638	12.53
21) T	trans-1,2-Dich...	0.612	0.547	0.534	0.652	0.534	0.609	0.581	8.58
22) T	Diisopropyl ether	1.334	1.305	1.475	1.713	1.441	1.612	1.480	10.70
23) T	Vinyl Acetate	0.703	0.721	0.811	0.969	0.856	0.931	0.832	13.02
24) P	1,1-Dichloroet...	1.023	0.975	0.982	1.080	0.894	1.011	0.994	6.20
25) T	2-Butanone	0.161	0.128	0.135	0.179	0.158	0.161	0.154	12.27
26) T	2,2-Dichloropr...	1.073	0.864	0.825	0.939	0.764	0.870	0.889	12.03
27) T	cis-1,2-Dichlo...	0.738	0.592	0.610	0.736	0.622	0.709	0.668	10.04
28) T	Bromochloromet...	0.532	0.448	0.433	0.443	0.424	0.395	0.446	10.41
29) T	Tetrahydrofuran	0.087	0.068	0.077	0.088	0.079	0.083	0.080	9.14
30) C	Chloroform	1.330	1.090	1.028	1.162	0.947	1.061	1.103	11.95#
31) T	Cyclohexane	1.004	0.798	0.765	0.901	0.732	0.847	0.841	11.85
32) T	1,1,1-Trichlor...	1.089	0.879	0.867	0.993	0.791	0.906	0.921	11.41
33) S	1,2-Dichloroet...	0.599	0.493	0.534	0.485	0.456	0.508	0.513	9.66
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.356	0.314	0.343	0.336	0.304	0.353	0.334	6.34
36) T	1,1-Dichloropr...	0.546	0.457	0.445	0.549	0.428	0.501	0.488	10.73
37) T	Ethyl Acetate	0.241	0.192	0.188	0.214	0.184	0.196	0.203	10.59
38) T	Carbon Tetrach...	0.636	0.534	0.500	0.572	0.444	0.529	0.536	12.12
39) T	Methylcyclohexane	0.600	0.498	0.510	0.645	0.519	0.642	0.569	11.95
40) TM	Benzene	1.646	1.379	1.401	1.694	1.341	1.580	1.507	10.05
41) T	Methacrylonitrile	0.128	0.084	0.108	0.111	0.108	0.110	0.108	13.01
42) TM	1,2-Dichloroet...	0.459	0.370	0.380	0.430	0.342	0.387	0.395	10.77
43) T	Isopropyl Acetate	0.408	0.337	0.340	0.402	0.342	0.380	0.368	8.82
44) TM	Trichloroethene	0.433	0.364	0.370	0.425	0.340	0.399	0.389	9.38
45) C	1,2-Dichloropr...	0.387	0.328	0.340	0.404	0.322	0.370	0.359	9.32#
46) T	Dibromomethane	0.235	0.198	0.201	0.231	0.190	0.210	0.211	8.68
47) T	Bromodichlorom...	0.592	0.493	0.499	0.590	0.460	0.537	0.528	10.24
48) T	Methyl methacr...	0.172	0.120	0.151	0.191	0.165	0.188	0.165	16.12
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	9.81
50) S	Toluene-d8	1.298	1.140	1.273	1.289	1.194	1.394	1.265	7.01
51) T	4-Methyl-2-Pen...	0.188	0.159	0.181	0.211	0.180	0.194	0.186	9.39
52) CM	Toluene	0.946	0.834	0.872	1.085	0.871	1.022	0.938	10.49#
53) T	t-1,3-Dichloro...	0.462	0.415	0.425	0.515	0.429	0.501	0.458	9.17
54) T	cis-1,3-Dichlo...	0.559	0.488	0.516	0.623	0.513	0.594	0.549	9.53
55) T	1,1,2-Trichlor...	0.322	0.282	0.270	0.297	0.241	0.276	0.281	9.61

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\										
Method File : 82D111424S.M										
56)	T	Ethyl methacry...	0.314	0.255	0.292	0.373	0.323	0.363	0.320	13.72
57)	T	1,3-Dichloropr...	0.503	0.415	0.434	0.499	0.408	0.471	0.455	9.16
58)	T	2-Chloroethyl ...	0.102	0.097	0.104	0.120	0.128	0.134	0.114	13.20
59)	T	2-Hexanone	0.137	0.112	0.130	0.173	0.149	0.152	0.142	14.56
60)	T	Dibromochlorom...	0.429	0.345	0.354	0.403	0.332	0.374	0.373	9.94
61)	T	1,2-Dibromoethane	0.298	0.240	0.255	0.286	0.238	0.268	0.264	9.26
62)	S	4-Bromofluorob...	0.451	0.381	0.419	0.434	0.398	0.461	0.424	7.27
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.437	0.360	0.342	0.409	0.338	0.379	0.377	10.43
65)	PM	Chlorobenzene	1.308	1.066	1.046	1.242	1.028	1.183	1.146	10.10
66)	T	1,1,1,2-Tetrac...	0.457	0.390	0.372	0.448	0.358	0.418	0.407	9.88
67)	C	Ethyl Benzene	1.893	1.624	1.732	2.189	1.807	2.131	1.896	11.78#
68)	T	m/p-Xylenes	0.742	0.644	0.696	0.872	0.711	0.822	0.748	11.32
69)	T	o-Xylene	0.642	0.589	0.616	0.788	0.660	0.779	0.679	12.48
70)	T	Styrene	1.147	1.032	1.129	1.401	1.171	1.363	1.207	11.92
71)	P	Bromoform	0.256	0.220	0.219	0.251	0.206	0.228	0.230	8.57
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.296	2.760	2.940	3.794	3.065	3.853	3.285	13.78
74)	T	N-amyl acetate	0.740	0.578	0.658	0.780	0.673	0.777	0.701	11.28
75)	P	1,1,2,2-Tetrac...	0.763	0.591	0.600	0.675	0.551	0.631	0.635	11.83
76)	T	1,2,3-Trichlor...	0.486	0.381	0.470	0.442	0.366	0.413	0.426	11.35
77)	T	Bromobenzene	0.939	0.746	0.789	0.977	0.785	0.952	0.865	11.76
78)	T	n-propylbenzene	4.120	3.426	3.718	4.726	3.776	4.621	4.065	12.83
79)	T	2-Chlorotoluene	2.558	2.121	2.195	2.718	2.194	2.709	2.416	11.45
80)	T	1,3,5-Trimethy...	2.678	2.328	2.545	3.247	2.617	3.254	2.778	13.84
81)	T	trans-1,4-Dich...	0.239	0.194	0.211	0.242	0.202	0.234	0.220	9.32
82)	T	4-Chlorotoluene	2.725	2.275	2.373	2.903	2.301	2.816	2.565	10.93
83)	T	tert-Butylbenzene	2.428	1.964	2.140	2.805	2.272	2.774	2.397	14.20
84)	T	1,2,4-Trimethy...	2.673	2.329	2.613	3.303	2.694	3.335	2.824	14.33
85)	T	sec-Butylbenzene	3.549	3.083	3.293	4.180	3.302	4.137	3.591	12.93
86)	T	p-Isopropyltol...	2.997	2.535	2.749	3.554	2.871	3.573	3.047	14.07
87)	T	1,3-Dichlorobe...	2.057	1.622	1.635	1.950	1.562	1.911	1.790	11.60
88)	T	1,4-Dichlorobe...	2.259	1.655	1.623	1.909	1.522	1.843	1.802	14.77
89)	T	n-Butylbenzene	2.926	2.381	2.482	3.286	2.638	3.280	2.832	13.94
90)	T	Hexachloroethane	0.792	0.601	0.597	0.729	0.570	0.696	0.664	13.29
91)	T	1,2-Dichlorobe...	1.826	1.396	1.437	1.747	1.357	1.623	1.564	12.54
92)	T	1,2-Dibromo-3-...	0.124	0.097	0.088	0.097	0.081	0.096	0.097	15.04
93)	T	1,2,4-Trichlor...	1.048	0.853	0.834	1.054	0.882	1.082	0.959	11.89
94)	T	Hexachlorobuta...	0.612	0.475	0.479	0.574	0.452	0.566	0.526	12.49
95)	T	Naphthalene	1.623	1.298	1.408	1.812	1.615	1.931	1.615	14.71
96)	T	1,2,3-Trichlor...	0.900	0.696	0.746	0.937	0.776	0.950	0.834	12.94

(#) = Out of Range

Acetone

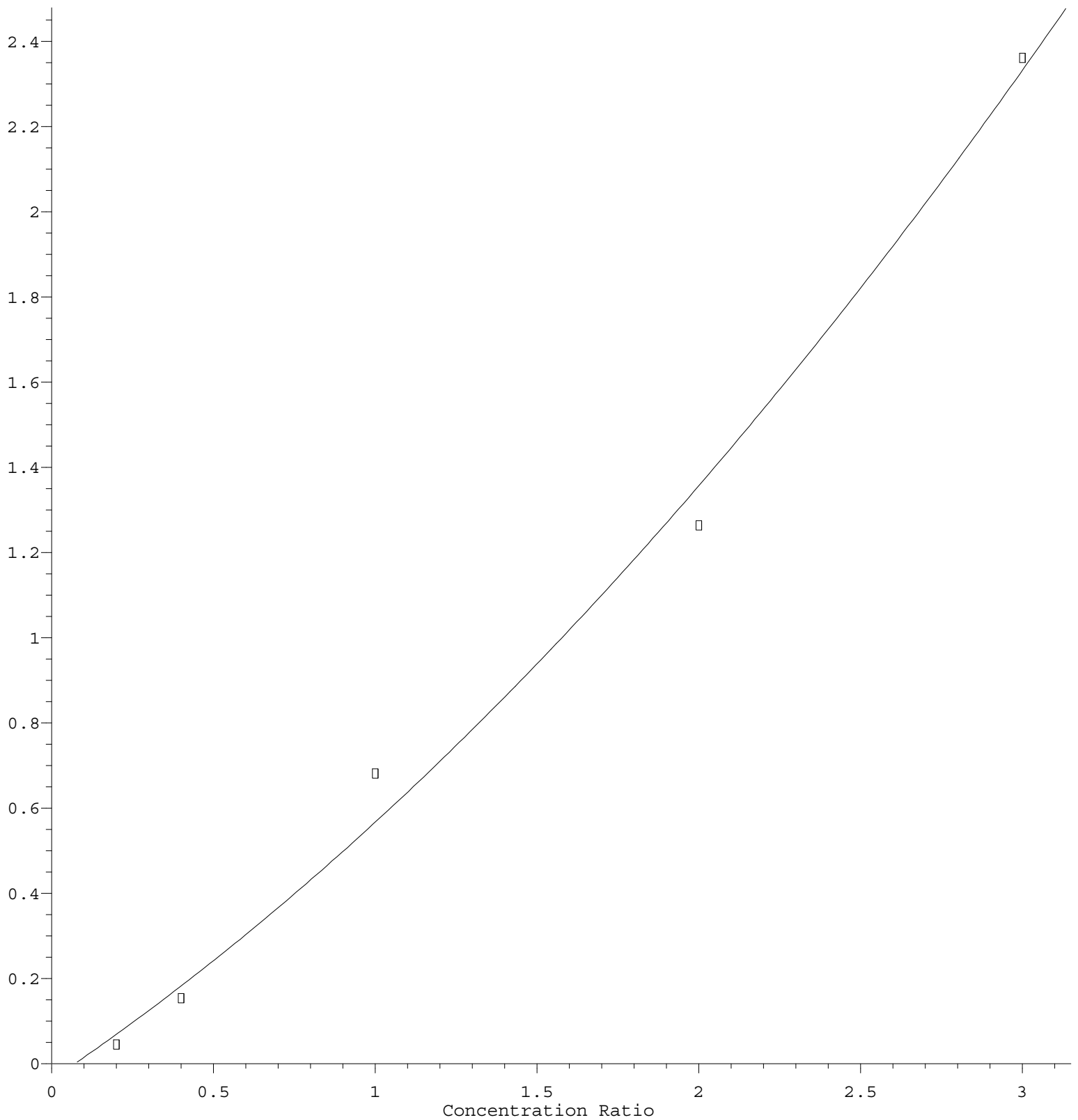
Response Ratio



$R = -5.542e-003 A^2 + 2.059e-001 A - 1.088e-001$
 Coef of Det (r^2) = 0.993807 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D111424S.M
 Calibration Table Last Updated: Fri Nov 15 06:28:05 2024

Methyl Iodide

Response Ratio



$R = 9.285e-002 A^2 + 5.111e-001 A - 3.687e-002$
Coef of Det (r^2) = 0.994372 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D111424S.M
Calibration Table Last Updated: Fri Nov 15 06:28:05 2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080011.D
 Acq On : 14 Nov 2024 18:02
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 15 05:53:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 05:52:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	173599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	277459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	256196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	132946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	10396	5.842	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	11.680%#	
35) Dibromofluoromethane	7.810	113	9875	5.324	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	10.640%#	
50) Toluene-d8	10.269	98	36017	5.132	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	10.260%#	
62) 4-Bromofluorobenzene	12.575	95	12519	5.318	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	10.640%#	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	8774	6.080	ug/l	92
3) Chloromethane	2.152	50	6089	5.744	ug/l	96
4) Vinyl Chloride	2.287	62	7090	5.706	ug/l	96
5) Bromomethane	2.699	94	10391	6.902	ug/l	99
6) Chloroethane	2.846	64	4426	5.250	ug/l	94
7) Trichlorofluoromethane	3.181	101	18141	6.098	ug/l	99
8) Diethyl Ether	3.593	74	4177	5.080	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.975	101	11445	6.096	ug/l	89
10) Methyl Iodide	4.175	142	2987	5.192	ug/l #	90
11) Tert butyl alcohol	5.057	59	2628	28.683	ug/l #	81
12) 1,1-Dichloroethene	3.940	96	9813	5.447	ug/l #	73
13) Acrolein	3.799	56	3530	21.053	ug/l	95
14) Allyl chloride	4.563	41	11592	4.746	ug/l	96
15) Acrylonitrile	5.263	53	8095	23.020	ug/l #	68
16) Acetone	4.022	43	8957	39.789	ug/l #	85
17) Carbon Disulfide	4.275	76	32658	5.502	ug/l	98
18) Methyl Acetate	4.575	43	4449	5.361	ug/l #	89
19) Methyl tert-butyl Ether	5.316	73	17098	4.735	ug/l	97
20) Methylene Chloride	4.799	84	13379	6.036	ug/l #	90
21) trans-1,2-Dichloroethene	5.316	96	10629	5.266	ug/l	90
22) Diisopropyl ether	6.222	45	23150	4.506	ug/l #	87
23) Vinyl Acetate	6.157	43	61010	21.122	ug/l #	91
24) 1,1-Dichloroethane	6.116	63	17759	5.145	ug/l	93
25) 2-Butanone	7.081	43	13934	26.116	ug/l	96
26) 2,2-Dichloropropane	7.075	77	18632	6.036	ug/l	93
27) cis-1,2-Dichloroethene	7.081	96	12805	5.522	ug/l	96
28) Bromochloromethane	7.428	49	9244	5.971	ug/l	92
29) Tetrahydrofuran	7.457	42	7517	26.978	ug/l	99
30) Chloroform	7.599	83	23087	6.028	ug/l	94
31) Cyclohexane	7.881	56	17432	5.968	ug/l #	86
32) 1,1,1-Trichloroethane	7.798	97	18905	5.913	ug/l	96
36) 1,1-Dichloropropene	8.010	75	15161	5.601	ug/l	97
37) Ethyl Acetate	7.169	43	6680	5.942	ug/l #	93
38) Carbon Tetrachloride	7.993	117	17634	5.932	ug/l	99
39) Methylcyclohexane	9.275	83	16640	5.271	ug/l #	88
40) Benzene	8.251	78	45671	5.462	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080011.D
 Acq On : 14 Nov 2024 18:02
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:53:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 05:52:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	3557	5.699	ug/l #	19
42) 1,2-Dichloroethane	8.328	62	12744	5.817	ug/l	98
43) Isopropyl Acetate	8.363	43	11324	5.543	ug/l	97
44) Trichloroethene	9.028	130	12011	5.570	ug/l	86
45) 1,2-Dichloropropane	9.304	63	10747	5.401	ug/l	99
46) Dibromomethane	9.398	93	6519	5.574	ug/l	95
47) Bromodichloromethane	9.587	83	16422	5.602	ug/l	95
48) Methyl methacrylate	9.381	41	4776	5.231	ug/l	97
49) 1,4-Dioxane	9.387	88	1105	99.167	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	26078	25.332	ug/l	100
52) Toluene	10.334	92	26260	5.043	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	12830	5.048	ug/l	90
54) cis-1,3-Dichloropropene	10.016	75	15514	5.093	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	8925	5.715	ug/l	97
56) Ethyl methacrylate	10.598	69	8722	4.913	ug/l	99
57) 1,3-Dichloropropane	10.881	76	13955	5.528	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.863	63	14158	22.331	ug/l	100
59) 2-Hexanone	10.922	43	19062	24.129	ug/l	91
60) Dibromochloromethane	11.075	129	11901	5.755	ug/l	99
61) 1,2-Dibromoethane	11.175	107	8281	5.649	ug/l	93
64) Tetrachloroethene	10.810	164	11194	5.789	ug/l	91
65) Chlorobenzene	11.610	112	33511	5.709	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.681	131	11700	5.607	ug/l	98
67) Ethyl Benzene	11.681	91	48499	4.992	ug/l	90
68) m/p-Xylenes	11.792	106	37997	9.918	ug/l	99
69) o-Xylene	12.122	106	16448	4.728	ug/l	95
70) Styrene	12.134	104	29383	4.751	ug/l	97
71) Bromoform	12.298	173	6557	5.565	ug/l #	95
73) Isopropylbenzene	12.422	105	43814	5.017	ug/l	96
74) N-amyl acetate	12.234	43	9843	5.280	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	10144	6.007	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	6466m	5.704	ug/l	
77) Bromobenzene	12.704	156	12479	5.427	ug/l	96
78) n-propylbenzene	12.763	91	54776	5.068	ug/l	98
79) 2-Chlorotoluene	12.851	91	34007	5.294	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	35608	4.820	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	3181	5.427	ug/l	97
82) 4-Chlorotoluene	12.951	91	36227	5.311	ug/l	98
83) tert-Butylbenzene	13.163	119	32276	5.063	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	35538	4.732	ug/l	99
85) sec-Butylbenzene	13.345	105	47185	4.942	ug/l	96
86) p-Isopropyltoluene	13.463	119	39845	4.919	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	27342	5.746	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	30031	6.269	ug/l	94
89) n-Butylbenzene	13.786	91	38898	5.165	ug/l	97
90) Hexachloroethane	14.051	117	10531	5.962	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	24275	5.836	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1643	6.373	ug/l	85
93) 1,2,4-Trichlorobenzene	15.098	180	13931	5.463	ug/l	98
94) Hexachlorobutadiene	15.204	225	8135	5.814	ug/l	97
95) Naphthalene	15.333	128	21571	5.025	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	11960	5.393	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080011.D
Acq On : 14 Nov 2024 18:02
Operator : RP/MD
Sample : VSTDICC005
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:53:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 05:52:29 2024
Response via : Initial Calibration

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

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

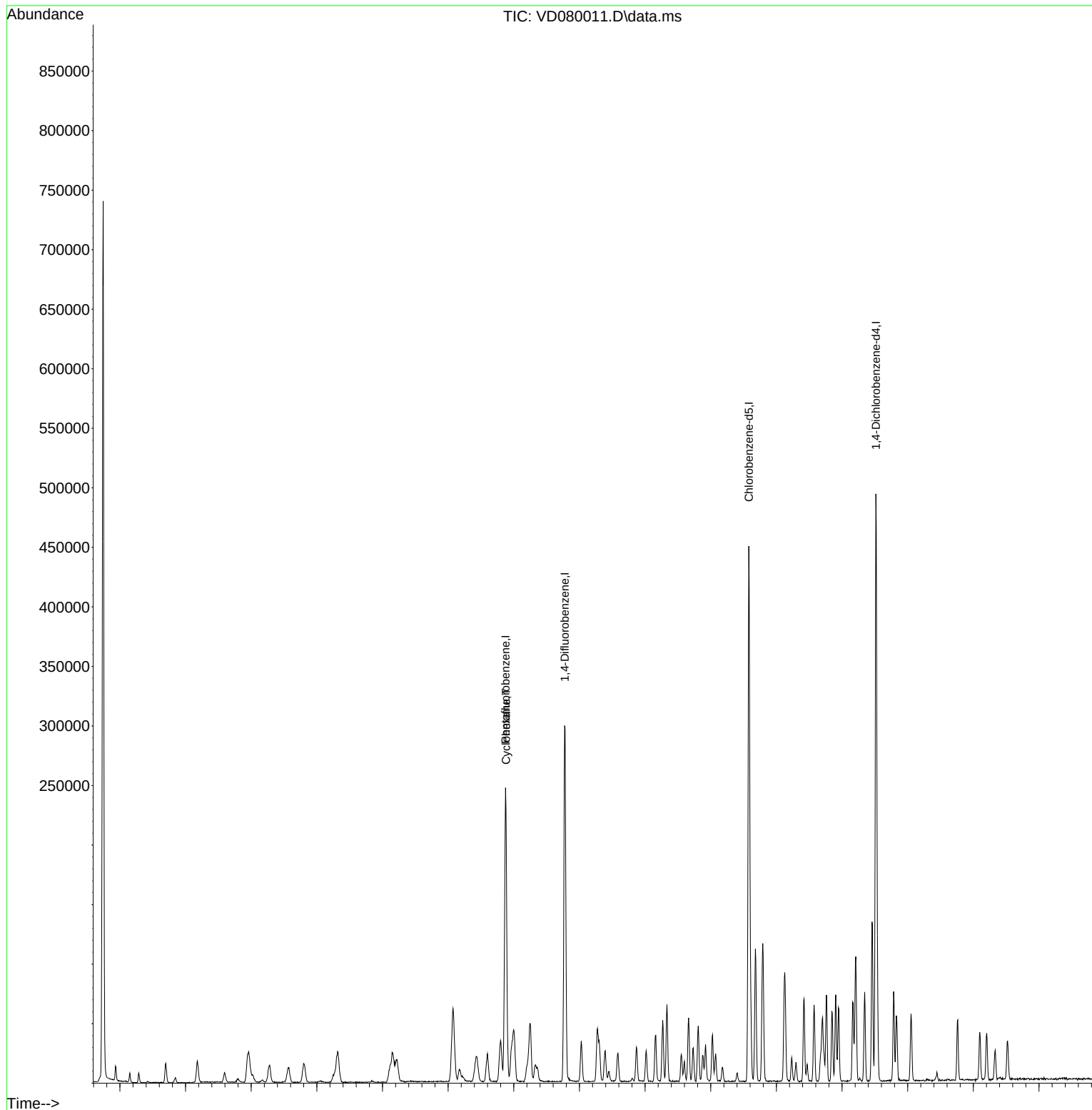
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080011.D
Acq On : 14 Nov 2024 18:02
Operator : RP/MD
Sample : VSTDIC005
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:53:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 05:52:29 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080012.D
 Acq On : 14 Nov 2024 18:29
 Operator : RP/MD
 Sample : VSTDICC010
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Quant Time: Nov 15 05:54:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 05:52:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	188864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	301399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	276644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	152917	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.234	65	18620	9.618	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	19.240%#
35) Dibromofluoromethane	7.805	113	18920	9.390	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	18.780%#
50) Toluene-d8	10.269	98	68700	9.012	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	18.020%#
62) 4-Bromofluorobenzene	12.569	95	22972	8.984	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	17.960%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	14855	9.461	ug/l	92
3) Chloromethane	2.152	50	12638	10.958	ug/l	90
4) Vinyl Chloride	2.287	62	15614	11.550	ug/l	92
5) Bromomethane	2.693	94	20874	12.745	ug/l	100
6) Chloroethane	2.834	64	11346	12.370	ug/l	96
7) Trichlorofluoromethane	3.175	101	33472	10.342	ug/l #	83
8) Diethyl Ether	3.593	74	8481	9.482	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.969	101	20804	10.185	ug/l	98
10) Methyl Iodide	4.169	142	8521	7.800	ug/l	96
11) Tert butyl alcohol	5.063	59	5303	53.202	ug/l	97
12) 1,1-Dichloroethene	3.946	96	18753	9.568	ug/l	85
13) Acrolein	3.793	56	8307	45.539	ug/l	98
14) Allyl chloride	4.558	41	24380	9.174	ug/l	98
15) Acrylonitrile	5.252	53	17652	46.140	ug/l	94
16) Acetone	4.028	43	20494	54.347	ug/l	98
17) Carbon Disulfide	4.275	76	66891	10.358	ug/l	97
18) Methyl Acetate	4.569	43	8501	9.415	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	33581	8.547	ug/l	94
20) Methylene Chloride	4.799	84	24973	10.355	ug/l	93
21) trans-1,2-Dichloroethene	5.316	96	20643	9.400	ug/l	94
22) Diisopropyl ether	6.216	45	49275	8.816	ug/l #	98
23) Vinyl Acetate	6.158	43	136208	43.344	ug/l	94
24) 1,1-Dichloroethane	6.110	63	36813	9.804	ug/l	97
25) 2-Butanone	7.087	43	24162	41.625	ug/l	94
26) 2,2-Dichloropropane	7.075	77	32630	9.716	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	22375	8.870	ug/l	94
28) Bromochloromethane	7.428	49	16935	10.055	ug/l	94
29) Tetrahydrofuran	7.452	42	12870	42.457	ug/l	97
30) Chloroform	7.605	83	41191	9.885	ug/l	89
31) Cyclohexane	7.881	56	30155	9.490	ug/l #	89
32) 1,1,1-Trichloroethane	7.793	97	33186	9.541	ug/l	95
36) 1,1-Dichloropropene	8.010	75	27533	9.364	ug/l	98
37) Ethyl Acetate	7.169	43	11588	9.489	ug/l #	67
38) Carbon Tetrachloride	7.993	117	32176	9.965	ug/l	95
39) Methylcyclohexane	9.269	83	30045	8.761	ug/l	92
40) Benzene	8.252	78	83153	9.154	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080012.D
 Acq On : 14 Nov 2024 18:29
 Operator : RP/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Nov 15 05:54:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 05:52:29 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	5071	7.479	ug/l #	93
42) 1,2-Dichloroethane	8.328	62	22285	9.365	ug/l	99
43) Isopropyl Acetate	8.363	43	20332	9.162	ug/l	98
44) Trichloroethene	9.028	130	21961	9.375	ug/l	84
45) 1,2-Dichloropropane	9.310	63	19790	9.155	ug/l	91
46) Dibromomethane	9.393	93	11930	9.390	ug/l	97
47) Bromodichloromethane	9.587	83	29718	9.332	ug/l	95
48) Methyl methacrylate	9.381	41	7220	7.280	ug/l #	83
49) 1,4-Dioxane	9.387	88	1995	164.817	ug/l #	86
51) 4-Methyl-2-Pentanone	10.157	43	47814	42.756	ug/l	98
52) Toluene	10.334	92	50256	8.885	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	25038	9.068	ug/l	91
54) cis-1,3-Dichloropropene	10.016	75	29430	8.894	ug/l	96
55) 1,1,2-Trichloroethane	10.728	97	17004	10.024	ug/l	96
56) Ethyl methacrylate	10.593	69	15381	7.975	ug/l	97
57) 1,3-Dichloropropane	10.881	76	25036	9.130	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	29386	42.668	ug/l	99
59) 2-Hexanone	10.922	43	33905	39.508	ug/l	93
60) Dibromochloromethane	11.075	129	20772	9.246	ug/l	96
61) 1,2-Dibromoethane	11.181	107	14496	9.104	ug/l	96
64) Tetrachloroethene	10.810	164	19899	9.530	ug/l	95
65) Chlorobenzene	11.604	112	58988	9.307	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.675	131	21586	9.580	ug/l	96
67) Ethyl Benzene	11.681	91	89875	8.567	ug/l	96
68) m/p-Xylenes	11.793	106	71270	17.228	ug/l	99
69) o-Xylene	12.122	106	32570	8.670	ug/l	99
70) Styrene	12.134	104	57105	8.550	ug/l	98
71) Bromoform	12.293	173	12167	9.563	ug/l #	98
73) Isopropylbenzene	12.422	105	84410	8.403	ug/l	100
74) N-amyl acetate	12.228	43	17671	8.242	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	18080	9.309	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	11661m	8.943	ug/l	
77) Bromobenzene	12.698	156	22830	8.631	ug/l	96
78) n-propylbenzene	12.763	91	104775	8.429	ug/l	99
79) 2-Chlorotoluene	12.845	91	64878	8.781	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	71192	8.379	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.463	75	5933	8.800	ug/l	99
82) 4-Chlorotoluene	12.945	91	69585	8.869	ug/l	98
83) tert-Butylbenzene	13.163	119	60076	8.194	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	71231	8.246	ug/l	98
85) sec-Butylbenzene	13.345	105	94287	8.585	ug/l	100
86) p-Isopropyltoluene	13.463	119	77523	8.320	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	49592	9.061	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	50618	9.186	ug/l	99
89) n-Butylbenzene	13.787	91	72813	8.406	ug/l	97
90) Hexachloroethane	14.051	117	18383	9.048	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	42705	8.926	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2968	10.009	ug/l	85
93) 1,2,4-Trichlorobenzene	15.098	180	26082	8.893	ug/l	99
94) Hexachlorobutadiene	15.204	225	14524	9.024	ug/l	95
95) Naphthalene	15.334	128	39697	8.039	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	21297	8.349	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080012.D
Acq On : 14 Nov 2024 18:29
Operator : RP/MD
Sample : VSTDICC010
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:54:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 05:52:29 2024
Response via : Initial Calibration

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

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

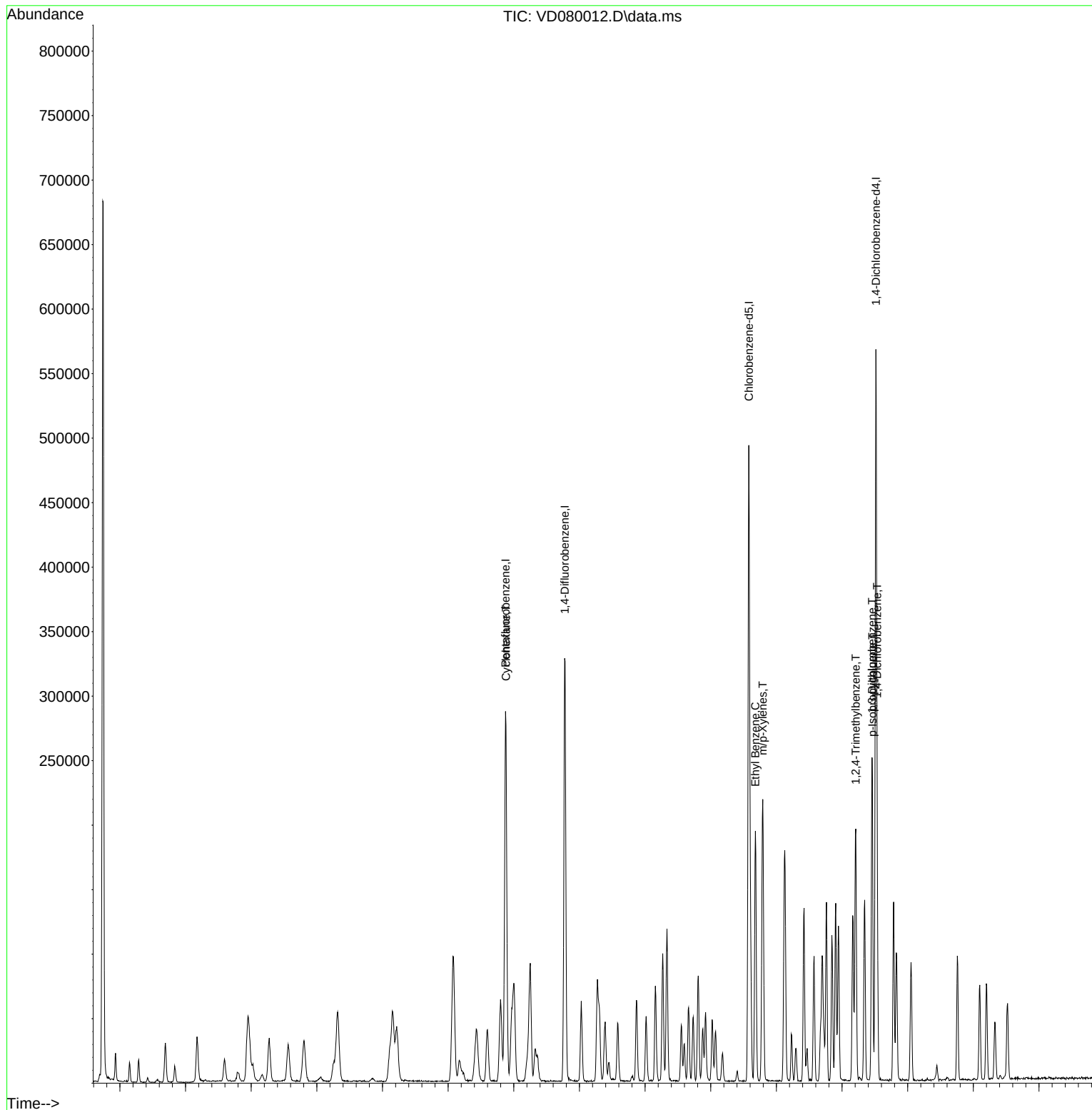
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080012.D
Acq On : 14 Nov 2024 18:29
Operator : RP/MD
Sample : VSTDIC010
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:54:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 05:52:29 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080013.D
 Acq On : 14 Nov 2024 18:56
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 15 05:55:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 05:52:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	197988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	310792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	289410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	158312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	42292	20.838	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.680%#		
35) Dibromofluoromethane	7.805	113	42661	20.532	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.060%#		
50) Toluene-d8	10.269	98	158316	20.140	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.280%#		
62) 4-Bromofluorobenzene	12.575	95	52082	19.753	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	39.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	30037	18.249	ug/l	97
3) Chloromethane	2.146	50	21292	17.611	ug/l	100
4) Vinyl Chloride	2.287	62	24432	17.240	ug/l	97
5) Bromomethane	2.681	94	31236	18.193	ug/l	98
6) Chloroethane	2.834	64	16810	17.483	ug/l	91
7) Trichlorofluoromethane	3.175	101	61842	18.228	ug/l	96
8) Diethyl Ether	3.599	74	16718	17.829	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.964	101	39444	18.420	ug/l	96
10) Methyl Iodide	4.164	142	30454	17.537	ug/l	100
11) Tert butyl alcohol	5.052	59	9736	93.174	ug/l	97
12) 1,1-Dichloroethene	3.946	96	37897	18.444	ug/l #	78
13) Acrolein	3.793	56	17095	89.396	ug/l	97
14) Allyl chloride	4.564	41	45743	16.420	ug/l	94
15) Acrylonitrile	5.258	53	36871	91.935	ug/l	97
16) Acetone	4.022	43	34437	71.386	ug/l	89
17) Carbon Disulfide	4.269	76	120227	17.759	ug/l	99
18) Methyl Acetate	4.575	43	15721	16.610	ug/l	96
19) Methyl tert-butyl Ether	5.328	73	75246	18.270	ug/l	94
20) Methylene Chloride	4.805	84	45590	18.033	ug/l	89
21) trans-1,2-Dichloroethene	5.316	96	42325	18.385	ug/l	98
22) Diisopropyl ether	6.210	45	116833	19.939	ug/l	95
23) Vinyl Acetate	6.158	43	321142	97.485	ug/l	98
24) 1,1-Dichloroethane	6.110	63	77768	19.756	ug/l	97
25) 2-Butanone	7.087	43	53471	87.872	ug/l	98
26) 2,2-Dichloropropane	7.075	77	65340	18.559	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	48278	18.256	ug/l	98
28) Bromochloromethane	7.428	49	34258	19.404	ug/l	96
29) Tetrahydrofuran	7.452	42	30397	95.655	ug/l	98
30) Chloroform	7.599	83	81408	18.637	ug/l	99
31) Cyclohexane	7.881	56	60562	18.180	ug/l #	91
32) 1,1,1-Trichloroethane	7.793	97	68689	18.839	ug/l	99
36) 1,1-Dichloropropene	8.010	75	55306	18.240	ug/l	98
37) Ethyl Acetate	7.169	43	23323	18.522	ug/l #	79
38) Carbon Tetrachloride	7.993	117	62170	18.672	ug/l	95
39) Methylcyclohexane	9.275	83	63363	17.918	ug/l	99
40) Benzene	8.252	78	174136	18.591	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080013.D
 Acq On : 14 Nov 2024 18:56
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 15 05:55:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 05:52:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	13402	19.170	ug/l	90
42) 1,2-Dichloroethane	8.328	62	47231	19.248	ug/l	98
43) Isopropyl Acetate	8.363	43	42249	18.464	ug/l	98
44) Trichloroethene	9.028	130	46010	19.047	ug/l	93
45) 1,2-Dichloropropane	9.304	63	42265	18.961	ug/l	95
46) Dibromomethane	9.393	93	25016	19.096	ug/l	98
47) Bromodichloromethane	9.587	83	61993	18.878	ug/l	98
48) Methyl methacrylate	9.381	41	18730	18.314	ug/l	92
49) 1,4-Dioxane	9.387	88	5199	416.536	ug/l	99
51) 4-Methyl-2-Pentanone	10.157	43	112478	97.541	ug/l	99
52) Toluene	10.334	92	108403	18.585	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	52881	18.573	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	64194	18.814	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	33594	19.206	ug/l	95
56) Ethyl methacrylate	10.598	69	36283	18.245	ug/l	98
57) 1,3-Dichloropropane	10.875	76	53909	19.064	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	64674	91.067	ug/l	98
59) 2-Hexanone	10.922	43	80833	91.344	ug/l	97
60) Dibromochloromethane	11.075	129	44014	19.000	ug/l	98
61) 1,2-Dibromoethane	11.181	107	31735	19.328	ug/l	98
64) Tetrachloroethene	10.810	164	39538	18.100	ug/l	93
65) Chlorobenzene	11.604	112	121125	18.268	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	43115	18.290	ug/l	96
67) Ethyl Benzene	11.681	91	200511	18.270	ug/l	100
68) m/p-Xylenes	11.793	106	161089	37.223	ug/l	99
69) o-Xylene	12.122	106	71286	18.138	ug/l	99
70) Styrene	12.134	104	130692	18.705	ug/l	99
71) Bromoform	12.298	173	25340	19.038	ug/l #	96
73) Isopropylbenzene	12.422	105	186183	17.902	ug/l	100
74) N-amyl acetate	12.234	43	41691	18.782	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	37992	18.894	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	29790m	22.069	ug/l	
77) Bromobenzene	12.698	156	49984	18.253	ug/l	95
78) n-propylbenzene	12.763	91	235470	18.297	ug/l	100
79) 2-Chlorotoluene	12.845	91	138993	18.171	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	161145	18.319	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	13378	19.167	ug/l	98
82) 4-Chlorotoluene	12.945	91	150243	18.497	ug/l	99
83) tert-Butylbenzene	13.163	119	135502	17.852	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	165467	18.503	ug/l	99
85) sec-Butylbenzene	13.345	105	208556	18.343	ug/l	100
86) p-Isopropyltoluene	13.463	119	174095	18.048	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	103564	18.277	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	102782	18.017	ug/l	99
89) n-Butylbenzene	13.787	91	157177	17.528	ug/l	98
90) Hexachloroethane	14.051	117	37826	17.983	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	91029	18.377	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5547	18.068	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	52828	17.399	ug/l	98
94) Hexachlorobutadiene	15.204	225	30325	18.199	ug/l	97
95) Naphthalene	15.328	128	89192	17.447	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	47228	17.884	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080013.D
Acq On : 14 Nov 2024 18:56
Operator : RP/MD
Sample : VSTDICC020
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:55:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 05:52:29 2024
Response via : Initial Calibration

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

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

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations

[illegible]

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080014.D
 Acq On : 14 Nov 2024 19:22
 Operator : RP/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 15 05:56:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 05:52:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	203594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	307136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	286067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	153548	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.234	65	98786	47.333	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.660%
35) Dibromofluoromethane	7.810	113	103336	50.327	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.660%
50) Toluene-d8	10.269	98	395754	50.944	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.880%
62) 4-Bromofluorobenzene	12.575	95	133282	51.151	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	95399	56.365	ug/l	100
3) Chloromethane	2.146	50	68640	55.209	ug/l	100
4) Vinyl Chloride	2.287	62	82062	56.311	ug/l	100
5) Bromomethane	2.693	94	86551	49.023	ug/l	100
6) Chloroethane	2.840	64	57797	58.456	ug/l	100
7) Trichlorofluoromethane	3.175	101	191890	55.002	ug/l	100
8) Diethyl Ether	3.599	74	53508	55.492	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.975	101	116702	52.999	ug/l	100
10) Methyl Iodide	4.169	142	138709	58.026	ug/l	100
11) Tert butyl alcohol	5.052	59	27629	257.130	ug/l	100
12) 1,1-Dichloroethene	3.946	96	116273	55.029	ug/l	100
13) Acrolein	3.799	56	59183	300.967	ug/l	100
14) Allyl chloride	4.563	41	166537	58.135	ug/l	100
15) Acrylonitrile	5.252	53	115925	281.091	ug/l	100
16) Acetone	4.028	43	162927	256.001	ug/l	100
17) Carbon Disulfide	4.269	76	389298	55.921	ug/l	100
18) Methyl Acetate	4.569	43	54410	55.902	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	240796	56.856	ug/l	100
20) Methylene Chloride	4.805	84	136297	52.428	ug/l	100
21) trans-1,2-Dichloroethene	5.316	96	132838	56.114	ug/l	100
22) Diisopropyl ether	6.216	45	348707	57.873	ug/l	100
23) Vinyl Acetate	6.157	43	986672	291.263	ug/l	100
24) 1,1-Dichloroethane	6.116	63	219907	54.326	ug/l	100
25) 2-Butanone	7.081	43	182222	291.212	ug/l	100
26) 2,2-Dichloropropane	7.081	77	191212	52.815	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	149937	55.137	ug/l	100
28) Bromochloromethane	7.428	49	90226	49.697	ug/l	100
29) Tetrahydrofuran	7.446	42	89754	274.667	ug/l	100
30) Chloroform	7.599	83	236677	52.690	ug/l	100
31) Cyclohexane	7.881	56	183450	53.554	ug/l	100
32) 1,1,1-Trichloroethane	7.793	97	202158	53.917	ug/l	100
36) 1,1-Dichloropropene	8.010	75	168598	56.267	ug/l	100
37) Ethyl Acetate	7.175	43	65831	52.901	ug/l	100
38) Carbon Tetrachloride	7.999	117	175596	53.365	ug/l	100
39) Methylcyclohexane	9.275	83	198178	56.708	ug/l	100
40) Benzene	8.251	78	520262	56.205	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080014.D
 Acq On : 14 Nov 2024 19:22
 Operator : RP/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:56:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 05:52:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	34218	49.527	ug/l	100
42) 1,2-Dichloroethane	8.328	62	132004	54.436	ug/l	100
43) Isopropyl Acetate	8.363	43	123358	54.552	ug/l	100
44) Trichloroethene	9.028	130	130474	54.656	ug/l	100
45) 1,2-Dichloropropane	9.304	63	123960	56.274	ug/l	100
46) Dibromomethane	9.393	93	70822	54.705	ug/l	100
47) Bromodichloromethane	9.587	83	181086	55.800	ug/l	100
48) Methyl methacrylate	9.381	41	58637	58.018	ug/l	100
49) 1,4-Dioxane	9.387	88	13757	1115.309	ug/l	100
51) 4-Methyl-2-Pentanone	10.157	43	324338	284.613	ug/l	100
52) Toluene	10.334	92	333240	57.813	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	158093	56.187	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	191431	56.774	ug/l	100
55) 1,1,2-Trichloroethane	10.734	97	91309	52.822	ug/l	100
56) Ethyl methacrylate	10.598	69	114491	58.256	ug/l	100
57) 1,3-Dichloropropane	10.881	76	153189	54.818	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	184640	263.086	ug/l	100
59) 2-Hexanone	10.922	43	265697	303.822	ug/l	100
60) Dibromochloromethane	11.075	129	123658	54.015	ug/l	100
61) 1,2-Dibromoethane	11.181	107	87716	54.058	ug/l	100
64) Tetrachloroethene	10.810	164	117139	54.251	ug/l	100
65) Chlorobenzene	11.604	112	355230	54.200	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	128096	54.976	ug/l	100
67) Ethyl Benzene	11.681	91	626197	57.724	ug/l	100
68) m/p-Xylenes	11.792	106	498847	116.616	ug/l	100
69) o-Xylene	12.122	106	225557	58.063	ug/l	100
70) Styrene	12.134	104	400659	58.013	ug/l	100
71) Bromoform	12.298	173	71816	54.587	ug/l #	100
73) Isopropylbenzene	12.422	105	582614	57.759	ug/l	100
74) N-amyl acetate	12.234	43	119763	55.626	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.669	83	103619	53.130	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	67844m	51.819	ug/l	
77) Bromobenzene	12.698	156	150049	56.495	ug/l	100
78) n-propylbenzene	12.763	91	725594	58.130	ug/l	100
79) 2-Chlorotoluene	12.845	91	417350	56.254	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	498642	58.445	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	37130	54.847	ug/l	100
82) 4-Chlorotoluene	12.945	91	445736	56.578	ug/l	100
83) tert-Butylbenzene	13.163	119	430772	58.512	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	507108	58.466	ug/l	100
85) sec-Butylbenzene	13.345	105	641879	58.207	ug/l	100
86) p-Isopropyltoluene	13.457	119	545762	58.333	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	299441	54.486	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	293078	52.968	ug/l	100
89) n-Butylbenzene	13.786	91	504535	58.009	ug/l	100
90) Hexachloroethane	14.051	117	111967	54.883	ug/l	100
91) 1,2-Dichlorobenzene	13.828	146	268206	55.826	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	14909	50.070	ug/l	100
93) 1,2,4-Trichlorobenzene	15.098	180	161904	54.977	ug/l	100
94) Hexachlorobutadiene	15.204	225	88187	54.566	ug/l	100
95) Naphthalene	15.328	128	278279	56.123	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	143832	56.154	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080014.D
Acq On : 14 Nov 2024 19:22
Operator : RP/MD
Sample : VSTDICCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:56:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 05:52:29 2024
Response via : Initial Calibration

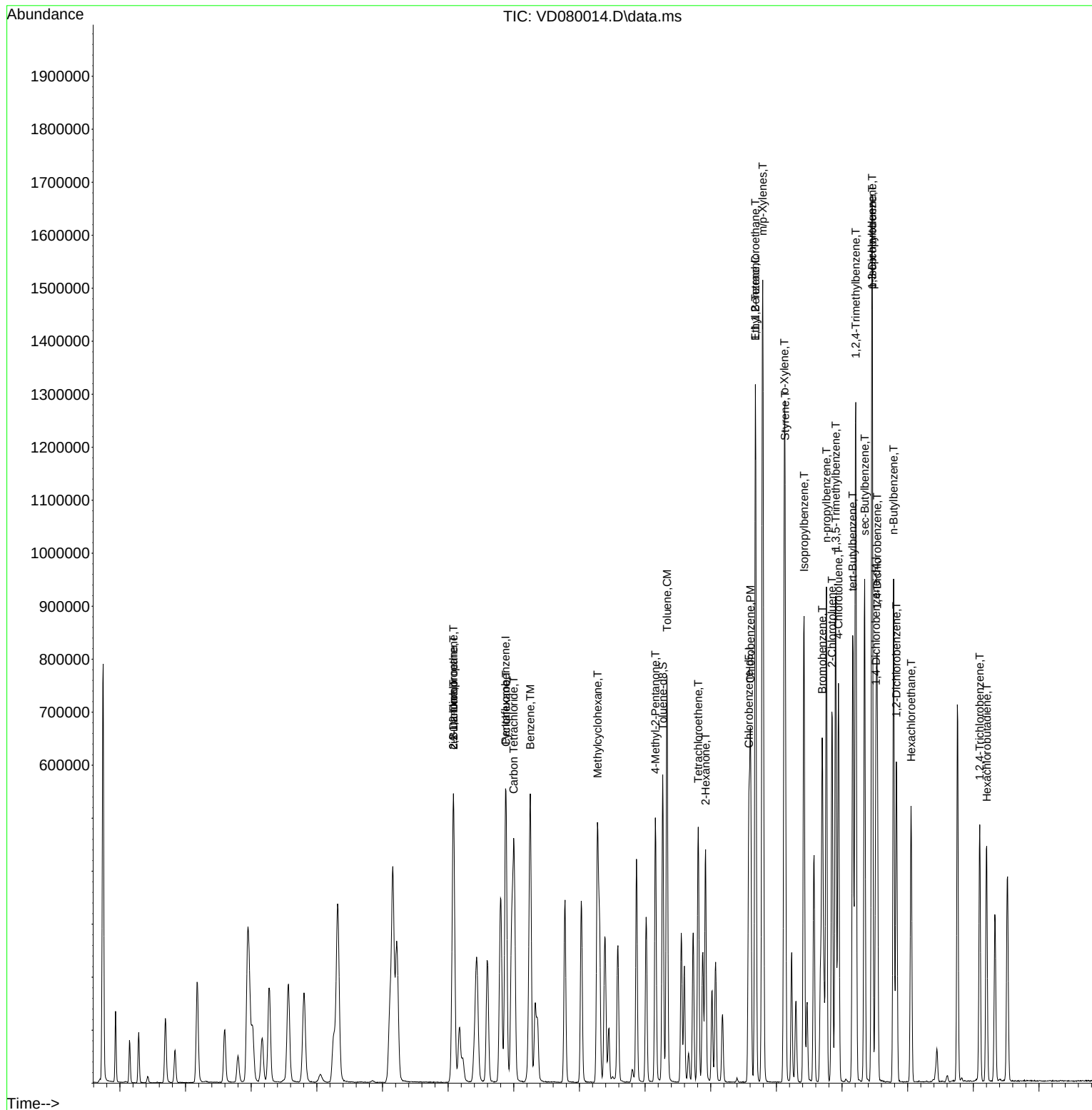
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080015.D
 Acq On : 14 Nov 2024 19:49
 Operator : RP/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 15 05:56:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 05:52:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	227638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	354140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	325872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	176457	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.234	65	207566	88.950	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 177.900%#	
35) Dibromofluoromethane	7.810	113	215046	90.832	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 181.660%#	
50) Toluene-d8	10.269	98	845419	94.384	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 188.760%#	
62) 4-Bromofluorobenzene	12.575	95	282236	93.939	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 187.880%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	157159	83.047	ug/l	97
3) Chloromethane	2.152	50	122026	87.782	ug/l	93
4) Vinyl Chloride	2.287	62	136246	83.617	ug/l	96
5) Bromomethane	2.687	94	137625	69.718	ug/l	100
6) Chloroethane	2.840	64	90515	81.878	ug/l	95
7) Trichlorofluoromethane	3.175	101	321011	82.293	ug/l	90
8) Diethyl Ether	3.593	74	107991	100.167	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.969	101	207655	84.343	ug/l	99
10) Methyl Iodide	4.163	142	287677	94.674	ug/l	99
11) Tert butyl alcohol	5.058	59	53743	447.331	ug/l #	85
12) 1,1-Dichloroethene	3.940	96	216968	91.839	ug/l	95
13) Acrolein	3.799	56	125521	570.898	ug/l	99
14) Allyl chloride	4.563	41	318947	99.578	ug/l	98
15) Acrylonitrile	5.258	53	235465	510.642	ug/l	99
16) Acetone	4.022	43	323382	513.022	ug/l	99
17) Carbon Disulfide	4.275	76	700569	90.005	ug/l	100
18) Methyl Acetate	4.563	43	106769	98.111	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	480732	101.520	ug/l	99
20) Methylene Chloride	4.805	84	250052	86.025	ug/l	95
21) trans-1,2-Dichloroethene	5.316	96	242989	91.803	ug/l	97
22) Diisopropyl ether	6.222	45	655948	97.366	ug/l	97
23) Vinyl Acetate	6.157	43	1948609	514.468	ug/l	99
24) 1,1-Dichloroethane	6.110	63	407199	89.970	ug/l	97
25) 2-Butanone	7.081	43	360034	514.602	ug/l	97
26) 2,2-Dichloropropane	7.081	77	347740	85.905	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	283175	93.134	ug/l	99
28) Bromochloromethane	7.428	49	192869	95.013	ug/l	99
29) Tetrahydrofuran	7.446	42	180129	493.011	ug/l	98
30) Chloroform	7.599	83	431094	85.836	ug/l	98
31) Cyclohexane	7.881	56	333447	87.060	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	360229	85.928	ug/l	100
36) 1,1-Dichloropropene	8.010	75	303389	87.813	ug/l	99
37) Ethyl Acetate	7.169	43	130465	90.924	ug/l	97
38) Carbon Tetrachloride	7.993	117	314177	82.808	ug/l	91
39) Methylcyclohexane	9.275	83	367349	91.163	ug/l	97
40) Benzene	8.251	78	949953	89.004	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080015.D
 Acq On : 14 Nov 2024 19:49
 Operator : RP/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 15 05:56:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 05:52:29 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	76720	96.305	ug/l	94
42) 1,2-Dichloroethane	8.328	62	242536	86.742	ug/l	100
43) Isopropyl Acetate	8.363	43	242475	92.996	ug/l	99
44) Trichloroethene	9.028	130	241045	87.573	ug/l	95
45) 1,2-Dichloropropane	9.304	63	228088	89.802	ug/l	96
46) Dibromomethane	9.393	93	134444	90.065	ug/l	99
47) Bromodichloromethane	9.587	83	325889	87.091	ug/l	95
48) Methyl methacrylate	9.381	41	117113	100.497	ug/l	99
49) 1,4-Dioxane	9.387	88	27994	1968.303	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	637277	485.000	ug/l	99
52) Toluene	10.334	92	616844	92.811	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	303989	93.699	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	363193	93.418	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	170740	85.664	ug/l	97
56) Ethyl methacrylate	10.598	69	228662	100.907	ug/l	99
57) 1,3-Dichloropropane	10.881	76	289077	89.715	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	452869	559.630	ug/l	100
59) 2-Hexanone	10.922	43	528686	524.307	ug/l	99
60) Dibromochloromethane	11.075	129	235025	89.036	ug/l	97
61) 1,2-Dibromoethane	11.181	107	168291	89.950	ug/l	100
64) Tetrachloroethene	10.810	164	220152	89.506	ug/l	97
65) Chlorobenzene	11.604	112	670292	89.780	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	233621	88.018	ug/l	98
67) Ethyl Benzene	11.681	91	1177961	95.323	ug/l	100
68) m/p-Xylenes	11.792	106	926258	190.083	ug/l	99
69) o-Xylene	12.122	106	429993	97.168	ug/l	100
70) Styrene	12.134	104	763058	96.990	ug/l	99
71) Bromoform	12.298	173	133968	89.391	ug/l #	98
73) Isopropylbenzene	12.422	105	1081697	93.315	ug/l	99
74) N-amyl acetate	12.234	43	237673	96.060	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	194365	86.720	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	129018m	85.749	ug/l	
77) Bromobenzene	12.698	156	277137	90.798	ug/l	96
78) n-propylbenzene	12.763	91	1332748	92.910	ug/l	99
79) 2-Chlorotoluene	12.845	91	774118	90.796	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	923689	94.208	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	71380	91.750	ug/l	100
82) 4-Chlorotoluene	12.945	91	812011	89.689	ug/l	99
83) tert-Butylbenzene	13.163	119	801892	94.781	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	950637	95.373	ug/l	99
85) sec-Butylbenzene	13.345	105	1165410	91.962	ug/l	100
86) p-Isopropyltoluene	13.457	119	1013231	94.237	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	551352	87.299	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	537021	84.455	ug/l	100
89) n-Butylbenzene	13.786	91	931105	93.155	ug/l	99
90) Hexachloroethane	14.051	117	201104	85.778	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	478970	86.753	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	28468	83.194	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	311311	91.985	ug/l	100
94) Hexachlorobutadiene	15.198	225	159481	85.867	ug/l	99
95) Naphthalene	15.328	128	569973	100.027	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	273965	93.074	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080015.D
Acq On : 14 Nov 2024 19:49
Operator : RP/MD
Sample : VSTDICC100
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:56:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 05:52:29 2024
Response via : Initial Calibration

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

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

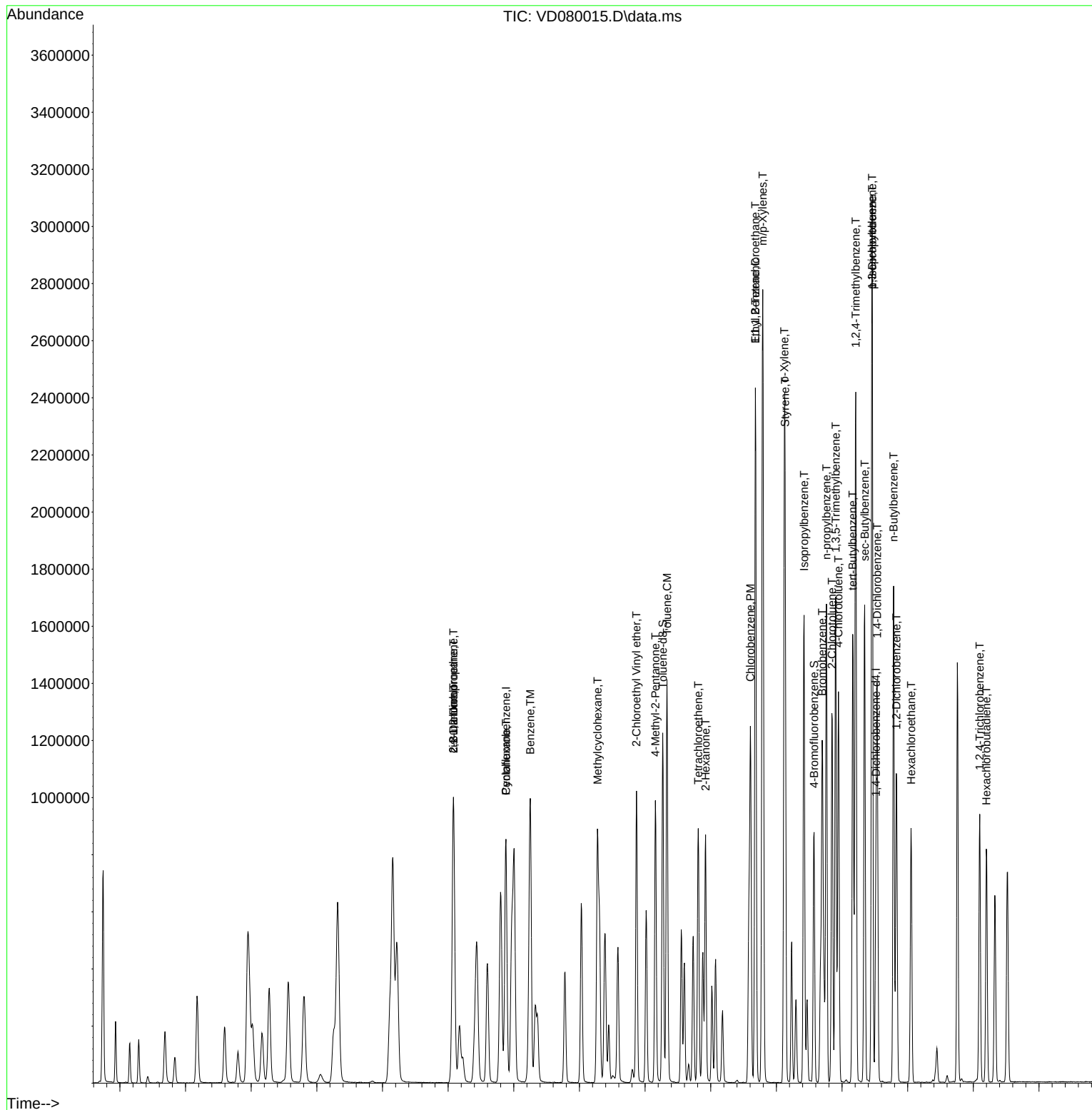
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080015.D
Acq On : 14 Nov 2024 19:49
Operator : RP/MD
Sample : VSTDICC100
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:56:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 05:52:29 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080016.D
 Acq On : 14 Nov 2024 20:16
 Operator : RP/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:57:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 05:52:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	226312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	341604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	319279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	162875	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	345148	148.775	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	297.560%#
35) Dibromofluoromethane	7.805	113	361322	158.217	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	316.440%#
50) Toluene-d8	10.269	98	1429048	165.396	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	330.800%#
62) 4-Bromofluorobenzene	12.575	95	472915	163.181	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	326.360%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	273099	145.158	ug/l	99
3) Chloromethane	2.146	50	185111	133.943	ug/l	98
4) Vinyl Chloride	2.287	62	213698	131.919	ug/l	98
5) Bromomethane	2.675	94	223047	113.653	ug/l	99
6) Chloroethane	2.834	64	140279	127.637	ug/l	94
7) Trichlorofluoromethane	3.175	101	530381	136.763	ug/l	91
8) Diethyl Ether	3.593	74	166050	154.921	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.969	101	344387	140.699	ug/l	93
10) Methyl Iodide	4.164	142	534381	151.365	ug/l	97
11) Tert butyl alcohol	5.063	59	83643	700.284	ug/l #	86
12) 1,1-Dichloroethene	3.940	96	356804	151.915	ug/l	88
13) Acrolein	3.799	56	165166	755.613	ug/l	99
14) Allyl chloride	4.564	41	551174	173.090	ug/l	100
15) Acrylonitrile	5.258	53	375246	818.547	ug/l	100
16) Acetone	4.022	43	389707	736.544	ug/l	95
17) Carbon Disulfide	4.275	76	1111288	143.609	ug/l	100
18) Methyl Acetate	4.564	43	171485	158.502	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	799746	169.877	ug/l	98
20) Methylene Chloride	4.805	84	410444	142.033	ug/l	97
21) trans-1,2-Dichloroethene	5.316	96	413373	157.090	ug/l	98
22) Diisopropyl ether	6.216	45	1094236	163.375	ug/l	99
23) Vinyl Acetate	6.158	43	3161389	839.554	ug/l	99
24) 1,1-Dichloroethane	6.116	63	686131	152.487	ug/l	97
25) 2-Butanone	7.081	43	547803	787.571	ug/l	97
26) 2,2-Dichloropropane	7.081	77	590404	146.706	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	481387	159.251	ug/l	99
28) Bromochloromethane	7.428	49	268169	132.883	ug/l	98
29) Tetrahydrofuran	7.446	42	280733	772.865	ug/l	98
30) Chloroform	7.599	83	720418	144.284	ug/l	98
31) Cyclohexane	7.881	56	575006	151.009	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	614937	147.545	ug/l	99
36) 1,1-Dichloropropene	8.010	75	513871	154.193	ug/l	100
37) Ethyl Acetate	7.175	43	201245	145.400	ug/l	97
38) Carbon Tetrachloride	7.993	117	542420	148.213	ug/l	94
39) Methylcyclohexane	9.275	83	657730	169.216	ug/l	99
40) Benzene	8.252	78	1619312	157.286	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080016.D
 Acq On : 14 Nov 2024 20:16
 Operator : RP/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024

Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:57:50 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M

Quant Title : SW846 8260

QLast Update : Fri Nov 15 05:52:29 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	112669	146.621	ug/l	98
42) 1,2-Dichloroethane	8.328	62	397083	147.226	ug/l	99
43) Isopropyl Acetate	8.363	43	388928	154.638	ug/l	99
44) Trichloroethene	9.028	130	409177	154.111	ug/l	96
45) 1,2-Dichloropropane	9.304	63	379540	154.915	ug/l	98
46) Dibromomethane	9.393	93	215256	149.493	ug/l	99
47) Bromodichloromethane	9.587	83	549939	152.360	ug/l	99
48) Methyl methacrylate	9.381	41	193027	171.718	ug/l	98
49) 1,4-Dioxane	9.387	88	42945	3130.342	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	995981	785.808	ug/l	98
52) Toluene	10.334	92	1047478	163.389	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	513701	164.149	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	608395	162.230	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	282953	147.173	ug/l	97
56) Ethyl methacrylate	10.598	69	371648	170.025	ug/l	98
57) 1,3-Dichloropropane	10.881	76	482430	155.216	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	685621	878.344	ug/l	99
59) 2-Hexanone	10.922	43	778628	800.515	ug/l	98
60) Dibromochloromethane	11.075	129	383395	150.574	ug/l	98
61) 1,2-Dibromoethane	11.181	107	274148	151.906	ug/l	99
64) Tetrachloroethene	10.810	164	362996	150.628	ug/l	95
65) Chlorobenzene	11.604	112	1132662	154.843	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	400399	153.967	ug/l	99
67) Ethyl Benzene	11.681	91	2040746	168.552	ug/l	98
68) m/p-Xylenes	11.793	106	1574982	329.885	ug/l	99
69) o-Xylene	12.122	106	746360	172.143	ug/l	100
70) Styrene	12.134	104	1305941	169.422	ug/l	98
71) Bromoform	12.298	173	218732	148.964	ug/l #	99
73) Isopropylbenzene	12.416	105	1882432	175.935	ug/l	99
74) N-amyl acetate	12.234	43	379420	166.138	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	308208	148.981	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	201561m	145.135	ug/l	
77) Bromobenzene	12.698	156	465296	165.156	ug/l	99
78) n-propylbenzene	12.763	91	2258034	170.541	ug/l	99
79) 2-Chlorotoluene	12.845	91	1323867	168.224	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	1589836	175.671	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	114374	159.273	ug/l	98
82) 4-Chlorotoluene	12.945	91	1375857	164.640	ug/l	99
83) tert-Butylbenzene	13.163	119	1355624	173.592	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	1629451	177.107	ug/l	100
85) sec-Butylbenzene	13.345	105	2021516	172.819	ug/l	100
86) p-Isopropyltoluene	13.457	119	1745948	175.926	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	933982	160.215	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	900608	153.445	ug/l	99
89) n-Butylbenzene	13.787	91	1602847	173.733	ug/l	99
90) Hexachloroethane	14.051	117	340255	157.232	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	792989	155.606	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	46800	148.171	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	528877	169.303	ug/l	99
94) Hexachlorobutadiene	15.198	225	276433	161.248	ug/l	99
95) Naphthalene	15.328	128	943663	179.418	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	463992	170.776	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080016.D
Acq On : 14 Nov 2024 20:16
Operator : RP/MD
Sample : VSTDICC150
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:57:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 05:52:29 2024
Response via : Initial Calibration

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

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

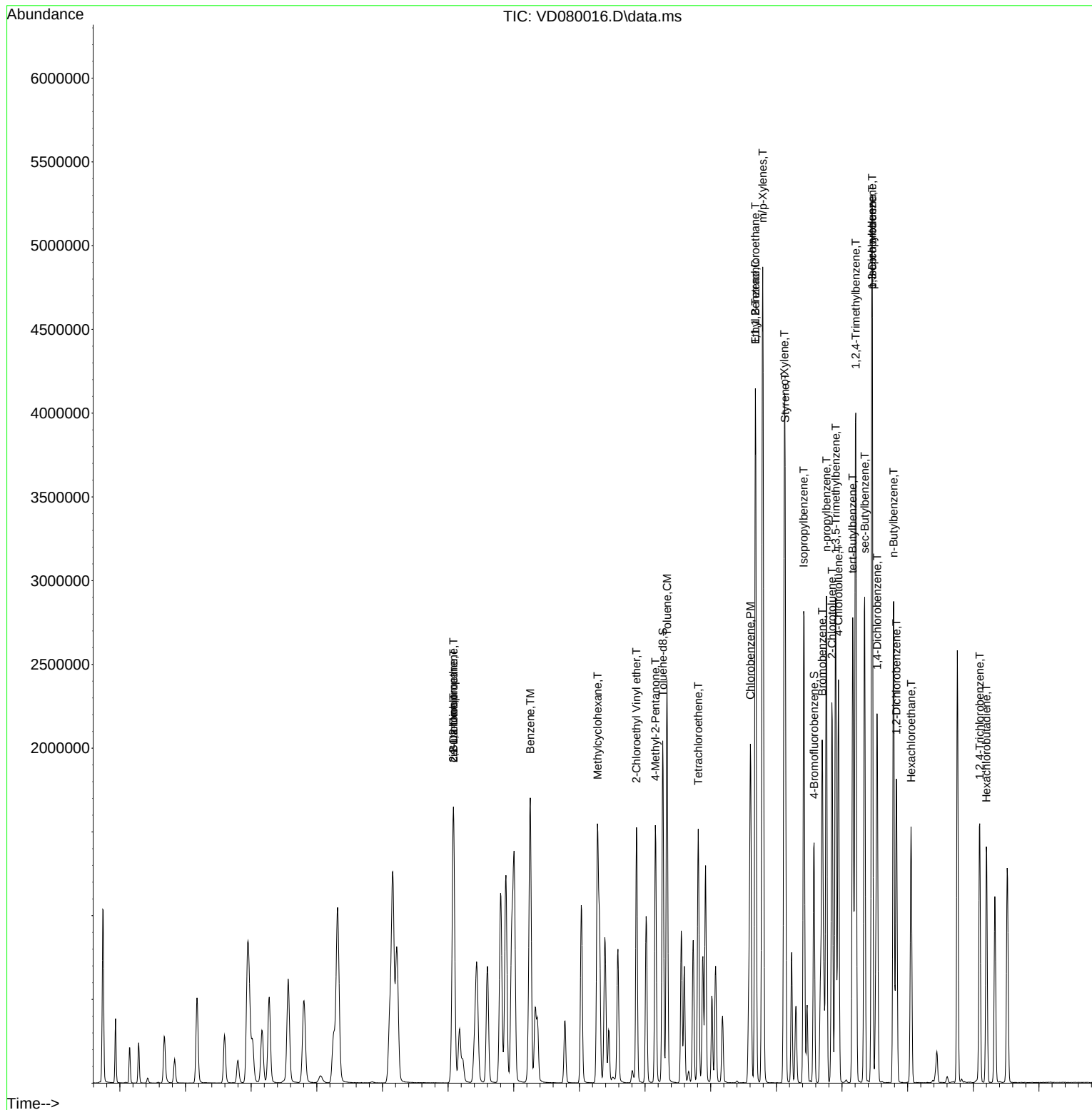
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Data File : VD080016.D
Acq On : 14 Nov 2024 20:16
Operator : RP/MD
Sample : VSTDICC150
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 05:57:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 05:52:29 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080017.D
 Acq On : 14 Nov 2024 20:43
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD111524

Quant Time: Nov 15 06:41:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 06:28:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	244193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	389195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	361884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	183572	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.234	65	116101	46.380	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.760%
35) Dibromofluoromethane	7.810	113	122552	47.101	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.200%
50) Toluene-d8	10.269	98	474473	48.200	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.400%
62) 4-Bromofluorobenzene	12.569	95	156455	47.384	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.760%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	101338	49.919	ug/l	99
3) Chloromethane	2.146	50	68439	45.895	ug/l	100
4) Vinyl Chloride	2.287	62	78620	44.980	ug/l	97
5) Bromomethane	2.693	94	82968	39.180	ug/l	98
6) Chloroethane	2.840	64	53701	45.283	ug/l	97
7) Trichlorofluoromethane	3.181	101	206816	49.424	ug/l	92
8) Diethyl Ether	3.593	74	63983	55.324	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.969	101	130426	49.384	ug/l	99
10) Methyl Iodide	4.169	142	166750	58.133	ug/l	98
11) Tert butyl alcohol	5.052	59	33408	259.221	ug/l #	86
12) 1,1-Dichloroethene	3.946	96	134459	53.056	ug/l	92
13) Acrolein	3.799	56	74316	315.091	ug/l	100
14) Allyl chloride	4.569	41	189573	55.174	ug/l	99
15) Acrylonitrile	5.252	53	137933	278.850	ug/l	99
16) Acetone	4.022	43	179902	235.032	ug/l	100
17) Carbon Disulfide	4.275	76	431645	51.696	ug/l	98
18) Methyl Acetate	4.564	43	64239	55.028	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	282228	55.559	ug/l	97
20) Methylene Chloride	4.805	84	151056	48.445	ug/l	93
21) trans-1,2-Dichloroethene	5.316	96	146575	51.623	ug/l	99
22) Diisopropyl ether	6.222	45	387995	53.688	ug/l	97
23) Vinyl Acetate	6.158	43	1126759	277.317	ug/l	100
24) 1,1-Dichloroethane	6.116	63	245718	50.610	ug/l	98
25) 2-Butanone	7.081	43	202634	269.993	ug/l	96
26) 2,2-Dichloropropane	7.081	77	205770	47.387	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	167299	51.293	ug/l	100
28) Bromochloromethane	7.428	49	99887	45.871	ug/l	99
29) Tetrahydrofuran	7.446	42	105150	268.283	ug/l	97
30) Chloroform	7.599	83	256281	47.569	ug/l	99
31) Cyclohexane	7.881	56	204292	49.723	ug/l	98
32) 1,1,1-Trichloroethane	7.799	97	214106	47.610	ug/l	99
36) 1,1-Dichloropropene	8.010	75	182476	48.059	ug/l	99
37) Ethyl Acetate	7.175	43	75498	47.877	ug/l	98
38) Carbon Tetrachloride	7.993	117	191752	45.988	ug/l	95
39) Methylcyclohexane	9.275	83	231781	52.339	ug/l	99
40) Benzene	8.252	78	563121	48.008	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080017.D
 Acq On : 14 Nov 2024 20:43
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD111524

Quant Time: Nov 15 06:41:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 06:28:05 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	45652	54.155	ug/l	90
42) 1,2-Dichloroethane	8.328	62	143676	46.757	ug/l	99
43) Isopropyl Acetate	8.363	43	142627	49.774	ug/l	100
44) Trichloroethene	9.034	130	143864	47.559	ug/l	98
45) 1,2-Dichloropropane	9.304	63	133589	47.859	ug/l	95
46) Dibromomethane	9.393	93	78959	48.131	ug/l	98
47) Bromodichloromethane	9.587	83	193303	47.006	ug/l	98
48) Methyl methacrylate	9.381	41	68420	53.424	ug/l	97
49) 1,4-Dioxane	9.381	88	14666	938.310	ug/l	99
51) 4-Methyl-2-Pentanone	10.157	43	369264	255.716	ug/l	98
52) Toluene	10.334	92	356677	48.832	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	176151	49.405	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	209186	48.959	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	101783	46.467	ug/l	96
56) Ethyl methacrylate	10.599	69	130374	52.351	ug/l	97
57) 1,3-Dichloropropane	10.881	76	171963	48.562	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	213360	239.910	ug/l	99
59) 2-Hexanone	10.922	43	294115	265.407	ug/l	99
60) Dibromochloromethane	11.075	129	134532	46.375	ug/l	99
61) 1,2-Dibromoethane	11.181	107	99426	48.356	ug/l	97
64) Tetrachloroethene	10.810	164	127975	46.852	ug/l	96
65) Chlorobenzene	11.604	112	401764	48.458	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	135431	45.947	ug/l	98
67) Ethyl Benzene	11.681	91	669802	48.808	ug/l	99
68) m/p-Xylenes	11.793	106	528345	97.635	ug/l	98
69) o-Xylene	12.116	106	245639	49.985	ug/l	100
70) Styrene	12.134	104	434113	49.688	ug/l	99
71) Bromoform	12.298	173	77620	46.638	ug/l #	99
73) Isopropylbenzene	12.416	105	635429	52.692	ug/l	100
74) N-amyl acetate	12.234	43	137462	53.405	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	112154	48.101	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	70975m	45.344	ug/l	
77) Bromobenzene	12.698	156	160689	50.606	ug/l	98
78) n-propylbenzene	12.763	91	778795	52.188	ug/l	99
79) 2-Chlorotoluene	12.845	91	452375	51.002	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	538503	52.794	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	40839	50.459	ug/l	98
82) 4-Chlorotoluene	12.945	91	479247	50.883	ug/l	100
83) tert-Butylbenzene	13.163	119	450778	51.215	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	542659	52.332	ug/l	100
85) sec-Butylbenzene	13.340	105	694307	52.664	ug/l	99
86) p-Isopropyltoluene	13.457	119	588614	52.623	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	317472	48.319	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	309159	46.736	ug/l	100
89) n-Butylbenzene	13.787	91	549076	52.805	ug/l	99
90) Hexachloroethane	14.051	117	115994	47.558	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	276853	48.201	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	17466	49.064	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	183105	52.006	ug/l	99
94) Hexachlorobutadiene	15.198	225	99172	51.326	ug/l	98
95) Naphthalene	15.328	128	325827	54.965	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	162524	53.074	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080017.D
Acq On : 14 Nov 2024 20:43
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD111524

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 06:41:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 06:28:05 2024
Response via : Initial Calibration

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

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

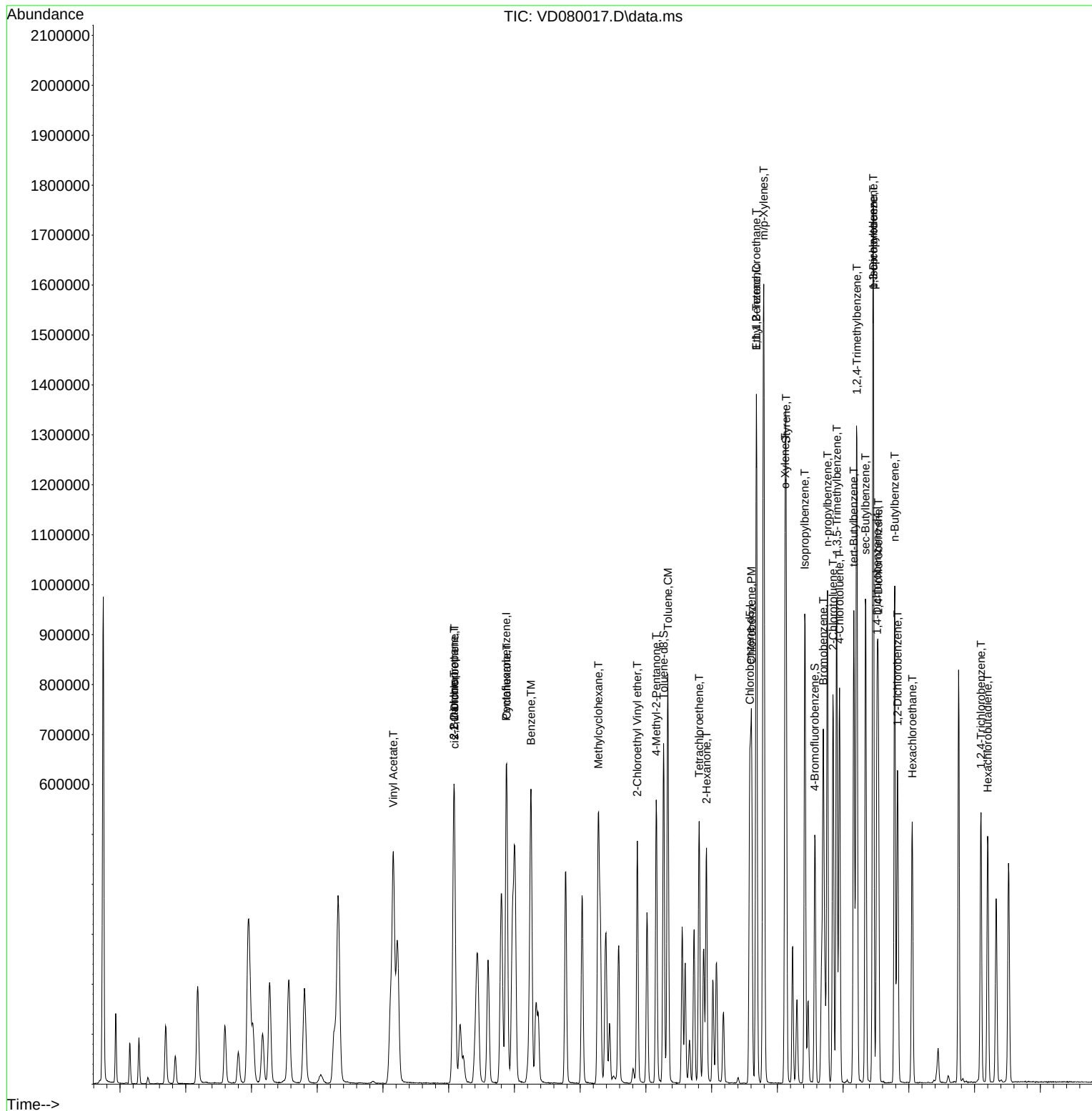
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080017.D
Acq On    : 14 Nov 2024   20:43
Operator  : RP/MD
Sample    : VSTDICV050
Misc      : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial  : 8   Sample Multiplier: 1
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Instrument :
MSVOA_D
ClientSampleId :
ICVVD111524

Manual Integrations APPROVED

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Quant Time: Nov 15 06:41:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 06:28:05 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080017.D
 Acq On : 14 Nov 2024 20:43
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD111524

Quant Time: Nov 15 06:41:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 06:28:05 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	120	0.00
2 T	Dichlorodifluoromethane	0.416	0.415	0.2	106	0.00
3 P	Chloromethane	0.305	0.280	8.2	100	0.00
4 C	Vinyl Chloride	0.358	0.322	10.1#	96	0.00
5 T	Bromomethane	0.434	0.340	21.7	96	0.00
6 T	Chloroethane	0.243	0.220	9.5	93	0.00
7 T	Trichlorofluoromethane	0.857	0.847	1.2	108	0.00
8 T	Diethyl Ether	0.237	0.262	-10.5	120	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.541	0.534	1.3	112	0.00
10 T	Methyl Iodide	0.480	0.683	-42.3#	120	0.00
11 T	Tert butyl alcohol	0.026	0.027	-3.8	121	0.00
12 CM	1,1-Dichloroethene	0.519	0.551	-6.2#	116	0.00
13 T	Acrolein	0.048	0.061	-27.1#	126	0.00
14 T	Allyl chloride	0.704	0.776	-10.2	114	0.00
15 T	Acrylonitrile	0.101	0.113	-11.9	119	0.00
16 T	Acetone	0.119	0.147	-23.5	110	0.00
17 T	Carbon Disulfide	1.710	1.768	-3.4	111	0.00
18 T	Methyl Acetate	0.239	0.263	-10.0	118	0.00
19 T	Methyl tert-butyl Ether	1.040	1.156	-11.2	117	0.00
20 T	Methylene Chloride	0.638	0.619	3.0	111	0.00
21 T	trans-1,2-Dichloroethene	0.581	0.600	-3.3	110	0.00
22 T	Diisopropyl ether	1.480	1.589	-7.4	111	0.00
23 T	Vinyl Acetate	0.832	0.923	-10.9	114	0.00
24 P	1,1-Dichloroethane	0.994	1.006	-1.2	112	0.00
25 T	2-Butanone	0.154	0.166	-7.8	111	0.00
26 T	2,2-Dichloropropane	0.889	0.843	5.2	108	0.00
27 T	cis-1,2-Dichloroethene	0.668	0.685	-2.5	112	0.00
28 T	Bromochloromethane	0.446	0.409	8.3	111	0.00
29 T	Tetrahydrofuran	0.080	0.086	-7.5	117	0.00
30 C	Chloroform	1.103	1.050	4.8#	108	0.00
31 T	Cyclohexane	0.841	0.837	0.5	111	0.00
32 T	1,1,1-Trichloroethane	0.921	0.877	4.8	106	0.00
33 S	1,2-Dichloroethane-d4	0.513	0.475	7.4	118	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	127	0.00
35 S	Dibromofluoromethane	0.334	0.315	5.7	119	0.00
36 T	1,1-Dichloropropene	0.488	0.469	3.9	108	0.00
37 T	Ethyl Acetate	0.203	0.194	4.4	115	0.00
38 T	Carbon Tetrachloride	0.536	0.493	8.0	109	0.00
39 T	Methylcyclohexane	0.569	0.596	-4.7	117	0.00
40 TM	Benzene	1.507	1.447	4.0	108	0.00
41 T	Methacrylonitrile	0.108	0.117	-8.3	133	0.00
42 TM	1,2-Dichloroethane	0.395	0.369	6.6	109	0.00
43 T	Isopropyl Acetate	0.368	0.366	0.5	116	0.00
44 TM	Trichloroethene	0.389	0.370	4.9	110	0.00
45 C	1,2-Dichloropropane	0.359	0.343	4.5#	108	0.00
46 T	Dibromomethane	0.211	0.203	3.8	111	0.00
47 T	Bromodichloromethane	0.528	0.497	5.9	107	0.00
48 T	Methyl methacrylate	0.165	0.176	-6.7	117	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080017.D
 Acq On : 14 Nov 2024 20:43
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD111524

Quant Time: Nov 15 06:41:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 06:28:05 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	0.002	0.002	0.0	107	0.00
50 S	Toluene-d8	1.265	1.219	3.6	120	0.00
51 T	4-Methyl-2-Pentanone	0.186	0.190	-2.2	114	0.00
52 CM	Toluene	0.938	0.916	2.3#	107	0.00
53 T	t-1,3-Dichloropropene	0.458	0.453	1.1	111	0.00
54 T	cis-1,3-Dichloropropene	0.549	0.537	2.2	109	0.00
55 T	1,1,2-Trichloroethane	0.281	0.262	6.8	111	0.00
56 T	Ethyl methacrylate	0.320	0.335	-4.7	114	0.00
57 T	1,3-Dichloropropane	0.455	0.442	2.9	112	0.00
58 T	2-Chloroethyl Vinyl ether	0.114	0.110	3.5	116	0.00
59 T	2-Hexanone	0.142	0.151	-6.3	111	0.00
60 T	Dibromochloromethane	0.373	0.346	7.2	109	0.00
61 T	1,2-Dibromoethane	0.264	0.255	3.4	113	0.00
62 S	4-Bromofluorobenzene	0.424	0.402	5.2	117	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	127	0.00
64 T	Tetrachloroethene	0.377	0.354	6.1	109	0.00
65 PM	Chlorobenzene	1.146	1.110	3.1	113	0.00
66 T	1,1,1,2-Tetrachloroethane	0.407	0.374	8.1	106	0.00
67 C	Ethyl Benzene	1.896	1.851	2.4#	107	0.00
68 T	m/p-Xylenes	0.748	0.730	2.4	106	0.00
69 T	o-Xylene	0.679	0.679	0.0	109	0.00
70 T	Styrene	1.207	1.200	0.6	108	0.00
71 P	Bromoform	0.230	0.214	7.0	108	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	120	0.00
73 T	Isopropylbenzene	3.285	3.461	-5.4	109	0.00
74 T	N-amyl acetate	0.701	0.749	-6.8	115	0.00
75 P	1,1,2,2-Tetrachloroethane	0.635	0.611	3.8	108	0.00
76 T	1,2,3-Trichloropropane	0.426	0.387	9.2	105	0.00
77 T	Bromobenzene	0.865	0.875	-1.2	107	0.00
78 T	n-propylbenzene	4.065	4.242	-4.4	107	0.00
79 T	2-Chlorotoluene	2.416	2.464	-2.0	108	0.00
80 T	1,3,5-Trimethylbenzene	2.778	2.933	-5.6	108	0.00
81 T	trans-1,4-Dichloro-2-butene	0.220	0.222	-0.9	110	0.00
82 T	4-Chlorotoluene	2.565	2.611	-1.8	108	0.00
83 T	tert-Butylbenzene	2.397	2.456	-2.5	105	0.00
84 T	1,2,4-Trimethylbenzene	2.824	2.956	-4.7	107	0.00
85 T	sec-Butylbenzene	3.591	3.782	-5.3	108	0.00
86 T	p-Isopropyltoluene	3.047	3.206	-5.2	108	0.00
87 T	1,3-Dichlorobenzene	1.790	1.729	3.4	106	0.00
88 T	1,4-Dichlorobenzene	1.802	1.684	6.5	105	0.00
89 T	n-Butylbenzene	2.832	2.991	-5.6	109	0.00
90 T	Hexachloroethane	0.664	0.632	4.8	104	0.00
91 T	1,2-Dichlorobenzene	1.564	1.508	3.6	103	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.097	0.095	2.1	117	0.00
93 T	1,2,4-Trichlorobenzene	0.959	0.997	-4.0	113	0.00
94 T	Hexachlorobutadiene	0.526	0.540	-2.7	112	0.00
95 T	Naphthalene	1.615	1.775	-9.9	117	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080017.D
Acq On : 14 Nov 2024 20:43
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD111524

Quant Time: Nov 15 06:41:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 06:28:05 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	0.834	0.885	-6.1	113	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080017.D
Acq On : 14 Nov 2024 20:43
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD111524

Quant Time: Nov 15 06:41:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 06:28:05 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	120	0.00
2 T	Dichlorodifluoromethane	50.000	49.919	0.2	106	0.00
3 P	Chloromethane	50.000	45.895	8.2	100	0.00
4 C	Vinyl Chloride	50.000	44.980	10.0#	96	0.00
5 T	Bromomethane	50.000	39.180	21.6	96	0.00
6 T	Chloroethane	50.000	45.283	9.4	93	0.00
7 T	Trichlorofluoromethane	50.000	49.424	1.2	108	0.00
8 T	Diethyl Ether	50.000	55.324	-10.6	120	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.384	1.2	112	0.00
10 T	Methyl Iodide	50.000	58.133	-16.3	120	0.00
11 T	Tert butyl alcohol	250.000	259.221	-3.7	121	0.00
12 CM	1,1-Dichloroethene	50.000	53.056	-6.1#	116	0.00
13 T	Acrolein	250.000	315.091	-26.0#	126	0.00
14 T	Allyl chloride	50.000	55.174	-10.3	114	0.00
15 T	Acrylonitrile	250.000	278.850	-11.5	119	0.00
16 T	Acetone	250.000	235.032	6.0	110	0.00
17 T	Carbon Disulfide	50.000	51.696	-3.4	111	0.00
18 T	Methyl Acetate	50.000	55.028	-10.1	118	0.00
19 T	Methyl tert-butyl Ether	50.000	55.559	-11.1	117	0.00
20 T	Methylene Chloride	50.000	48.445	3.1	111	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.623	-3.2	110	0.00
22 T	Diisopropyl ether	50.000	53.688	-7.4	111	0.00
23 T	Vinyl Acetate	250.000	277.317	-10.9	114	0.00
24 P	1,1-Dichloroethane	50.000	50.610	-1.2	112	0.00
25 T	2-Butanone	250.000	269.993	-8.0	111	0.00
26 T	2,2-Dichloropropane	50.000	47.387	5.2	108	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.293	-2.6	112	0.00
28 T	Bromochloromethane	50.000	45.871	8.3	111	0.00
29 T	Tetrahydrofuran	250.000	268.283	-7.3	117	0.00
30 C	Chloroform	50.000	47.569	4.9#	108	0.00
31 T	Cyclohexane	50.000	49.723	0.6	111	0.00
32 T	1,1,1-Trichloroethane	50.000	47.610	4.8	106	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.380	7.2	118	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	127	0.00
35 S	Dibromofluoromethane	50.000	47.101	5.8	119	0.00
36 T	1,1-Dichloropropene	50.000	48.059	3.9	108	0.00
37 T	Ethyl Acetate	50.000	47.877	4.2	115	0.00
38 T	Carbon Tetrachloride	50.000	45.988	8.0	109	0.00
39 T	Methylcyclohexane	50.000	52.339	-4.7	117	0.00
40 TM	Benzene	50.000	48.008	4.0	108	0.00
41 T	Methacrylonitrile	50.000	54.155	-8.3	133	0.00
42 TM	1,2-Dichloroethane	50.000	46.757	6.5	109	0.00
43 T	Isopropyl Acetate	50.000	49.774	0.5	116	0.00
44 TM	Trichloroethene	50.000	47.559	4.9	110	0.00
45 C	1,2-Dichloropropane	50.000	47.859	4.3#	108	0.00
46 T	Dibromomethane	50.000	48.131	3.7	111	0.00
47 T	Bromodichloromethane	50.000	47.006	6.0	107	0.00
48 T	Methyl methacrylate	50.000	53.424	-6.8	117	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080017.D
 Acq On : 14 Nov 2024 20:43
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD111524

Quant Time: Nov 15 06:41:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 06:28:05 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	938.310	6.2	107	0.00
50 S	Toluene-d8	50.000	48.200	3.6	120	0.00
51 T	4-Methyl-2-Pentanone	250.000	255.716	-2.3	114	0.00
52 CM	Toluene	50.000	48.832	2.3#	107	0.00
53 T	t-1,3-Dichloropropene	50.000	49.405	1.2	111	0.00
54 T	cis-1,3-Dichloropropene	50.000	48.959	2.1	109	0.00
55 T	1,1,2-Trichloroethane	50.000	46.467	7.1	111	0.00
56 T	Ethyl methacrylate	50.000	52.351	-4.7	114	0.00
57 T	1,3-Dichloropropane	50.000	48.562	2.9	112	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	239.910	4.0	116	0.00
59 T	2-Hexanone	250.000	265.407	-6.2	111	0.00
60 T	Dibromochloromethane	50.000	46.375	7.2	109	0.00
61 T	1,2-Dibromoethane	50.000	48.356	3.3	113	0.00
62 S	4-Bromofluorobenzene	50.000	47.384	5.2	117	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	127	0.00
64 T	Tetrachloroethene	50.000	46.852	6.3	109	0.00
65 PM	Chlorobenzene	50.000	48.458	3.1	113	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	45.947	8.1	106	0.00
67 C	Ethyl Benzene	50.000	48.808	2.4#	107	0.00
68 T	m/p-Xylenes	100.000	97.635	2.4	106	0.00
69 T	o-Xylene	50.000	49.985	0.0	109	0.00
70 T	Styrene	50.000	49.688	0.6	108	0.00
71 P	Bromoform	50.000	46.638	6.7	108	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	120	0.00
73 T	Isopropylbenzene	50.000	52.692	-5.4	109	0.00
74 T	N-amyl acetate	50.000	53.405	-6.8	115	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.101	3.8	108	0.00
76 T	1,2,3-Trichloropropane	50.000	45.344	9.3	105	0.00
77 T	Bromobenzene	50.000	50.606	-1.2	107	0.00
78 T	n-propylbenzene	50.000	52.188	-4.4	107	0.00
79 T	2-Chlorotoluene	50.000	51.002	-2.0	108	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.794	-5.6	108	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.459	-0.9	110	0.00
82 T	4-Chlorotoluene	50.000	50.883	-1.8	108	0.00
83 T	tert-Butylbenzene	50.000	51.215	-2.4	105	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.332	-4.7	107	0.00
85 T	sec-Butylbenzene	50.000	52.664	-5.3	108	0.00
86 T	p-Isopropyltoluene	50.000	52.623	-5.2	108	0.00
87 T	1,3-Dichlorobenzene	50.000	48.319	3.4	106	0.00
88 T	1,4-Dichlorobenzene	50.000	46.736	6.5	105	0.00
89 T	n-Butylbenzene	50.000	52.805	-5.6	109	0.00
90 T	Hexachloroethane	50.000	47.558	4.9	104	0.00
91 T	1,2-Dichlorobenzene	50.000	48.201	3.6	103	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.064	1.9	117	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.006	-4.0	113	0.00
94 T	Hexachlorobutadiene	50.000	51.326	-2.7	112	0.00
95 T	Naphthalene	50.000	54.965	-9.9	117	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080017.D
Acq On : 14 Nov 2024 20:43
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD111524

Quant Time: Nov 15 06:41:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 06:28:05 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	53.074	-6.1	113	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080020.D
 Acq On : 15 Nov 2024 10:04
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:08:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:08:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	189713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	311169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	273942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	133328	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	10505	5.378	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.760%#
35) Dibromofluoromethane	7.810	113	10411	5.027	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.060%#
50) Toluene-d8	10.269	98	36171	4.634	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.260%#
62) 4-Bromofluorobenzene	12.575	95	12083	4.718	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.440%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.940	85	8819	5.792	ug/l	99
3) Chloromethane	2.152	50	6261	5.592	ug/l	100
4) Vinyl Chloride	2.293	62	7155	5.597	ug/l	97
5) Bromomethane	2.699	94	8552	5.560	ug/l	94
6) Chloroethane	2.846	64	4824	5.280	ug/l #	70
7) Trichlorofluoromethane	3.181	101	17739	5.650	ug/l	88
8) Diethyl Ether	3.599	74	4370	4.768	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.981	101	10831	5.522	ug/l	89
10) Methyl Iodide	4.175	142	9847	4.056	ug/l	98
11) Tert butyl alcohol	5.046	59	2903m	28.440	ug/l	
12) 1,1-Dichloroethene	3.958	96	10151	5.164	ug/l #	69
13) Acrolein	3.799	56	4412	22.621	ug/l	93
14) Allyl chloride	4.564	41	14457	5.188	ug/l	96
15) Acrylonitrile	5.264	53	9914	24.349	ug/l	98
16) Acetone	4.028	43	9552	22.539	ug/l	97
17) Carbon Disulfide	4.281	76	32712	5.168	ug/l	95
18) Methyl Acetate	4.564	43	5121	5.448	ug/l #	76
19) Methyl tert-butyl Ether	5.322	73	16640	4.149	ug/l	92
20) Methylene Chloride	4.799	84	12192	5.359	ug/l	94
21) trans-1,2-Dichloroethene	5.322	96	11170	5.140	ug/l	96
22) Diisopropyl ether	6.216	45	24542	4.349	ug/l #	94
23) Vinyl Acetate	6.164	43	68903	21.313	ug/l	99
24) 1,1-Dichloroethane	6.116	63	19262	5.133	ug/l	97
25) 2-Butanone	7.081	43	12819	23.147	ug/l	95
26) 2,2-Dichloropropane	7.081	77	17908	5.490	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	12614	5.058	ug/l	97
28) Bromochloromethane	7.422	49	9601	5.749	ug/l	99
29) Tetrahydrofuran	7.452	42	6647	21.911	ug/l	95
30) Chloroform	7.593	83	20052	5.072	ug/l	99
31) Cyclohexane	7.881	56	17921	5.634	ug/l #	70
32) 1,1,1-Trichloroethane	7.793	97	18407	5.440	ug/l	98
36) 1,1-Dichloropropene	8.005	75	14449	5.102	ug/l	97
37) Ethyl Acetate	7.169	43	5908	4.854	ug/l #	93
38) Carbon Tetrachloride	7.993	117	16203	5.237	ug/l	97
39) Methylcyclohexane	9.275	83	16077	4.769	ug/l	93
40) Benzene	8.258	78	43278	4.903	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080020.D
 Acq On : 15 Nov 2024 10:04
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:08:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:08:17 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	3000	2.038	ug/l	93
42) 1,2-Dichloroethane	8.328	62	11688	5.117	ug/l	99
43) Isopropyl Acetate	8.363	43	9952	4.510	ug/l #	83
44) Trichloroethene	9.034	130	11762	5.150	ug/l	79
45) 1,2-Dichloropropane	9.305	63	10360	4.884	ug/l #	88
46) Dibromomethane	9.393	93	6271	5.083	ug/l	96
47) Bromodichloromethane	9.581	83	15961	5.168	ug/l	97
48) Methyl methacrylate	9.387	41	4647	4.412	ug/l	96
49) 1,4-Dioxane	9.393	88	837	73.952	ug/l #	86
51) 4-Methyl-2-Pentanone	10.157	43	24839	22.189	ug/l	94
52) Toluene	10.334	92	25315	4.615	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	12479	4.533	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	15257	4.681	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	7959	4.876	ug/l	93
56) Ethyl methacrylate	10.599	69	7483	3.942	ug/l	93
57) 1,3-Dichloropropane	10.881	76	12699	4.782	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	15740	21.926	ug/l	93
59) 2-Hexanone	10.922	43	16817	20.424	ug/l	96
60) Dibromochloromethane	11.075	129	9857	4.692	ug/l	95
61) 1,2-Dibromoethane	11.175	107	7272	4.725	ug/l	96
64) Tetrachloroethene	10.810	164	10583	5.425	ug/l #	89
65) Chlorobenzene	11.604	112	31166	5.215	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	10052	4.832	ug/l	100
67) Ethyl Benzene	11.687	91	47656	4.753	ug/l	93
68) m/p-Xylenes	11.799	106	35452	9.047	ug/l	97
69) o-Xylene	12.122	106	14859	4.218	ug/l	97
70) Styrene	12.140	104	26554	4.224	ug/l	99
71) Bromoform	12.298	173	6576	5.362	ug/l #	88
73) Isopropylbenzene	12.422	105	40600	4.722	ug/l	98
74) N-amyl acetate	12.234	43	9048	4.776	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.669	83	8815	5.335	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	7306m	3.576	ug/l	
77) Bromobenzene	12.698	156	11390	5.097	ug/l	94
78) n-propylbenzene	12.763	91	51645	4.860	ug/l	97
79) 2-Chlorotoluene	12.851	91	30791	4.941	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	34062	4.681	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	2833	4.925	ug/l	98
82) 4-Chlorotoluene	12.945	91	32543	4.885	ug/l	96
83) tert-Butylbenzene	13.169	119	30017	4.763	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	31817	4.352	ug/l	100
85) sec-Butylbenzene	13.345	105	43895	4.712	ug/l	95
86) p-Isopropyltoluene	13.457	119	35736	4.538	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	22815	5.042	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	24118	5.307	ug/l	96
89) n-Butylbenzene	13.787	91	35402	4.779	ug/l	98
90) Hexachloroethane	14.051	117	9043	5.357	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	20003	5.070	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1113	4.454	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	12171	4.919	ug/l	94
94) Hexachlorobutadiene	15.204	225	6909	5.167	ug/l	96
95) Naphthalene	15.334	128	18467	4.394	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	10212	4.700	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080020.D
Acq On : 15 Nov 2024 10:04
Operator : RP/MD
Sample : VSTDICC005
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:08:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:08:17 2024
Response via : Initial Calibration

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

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

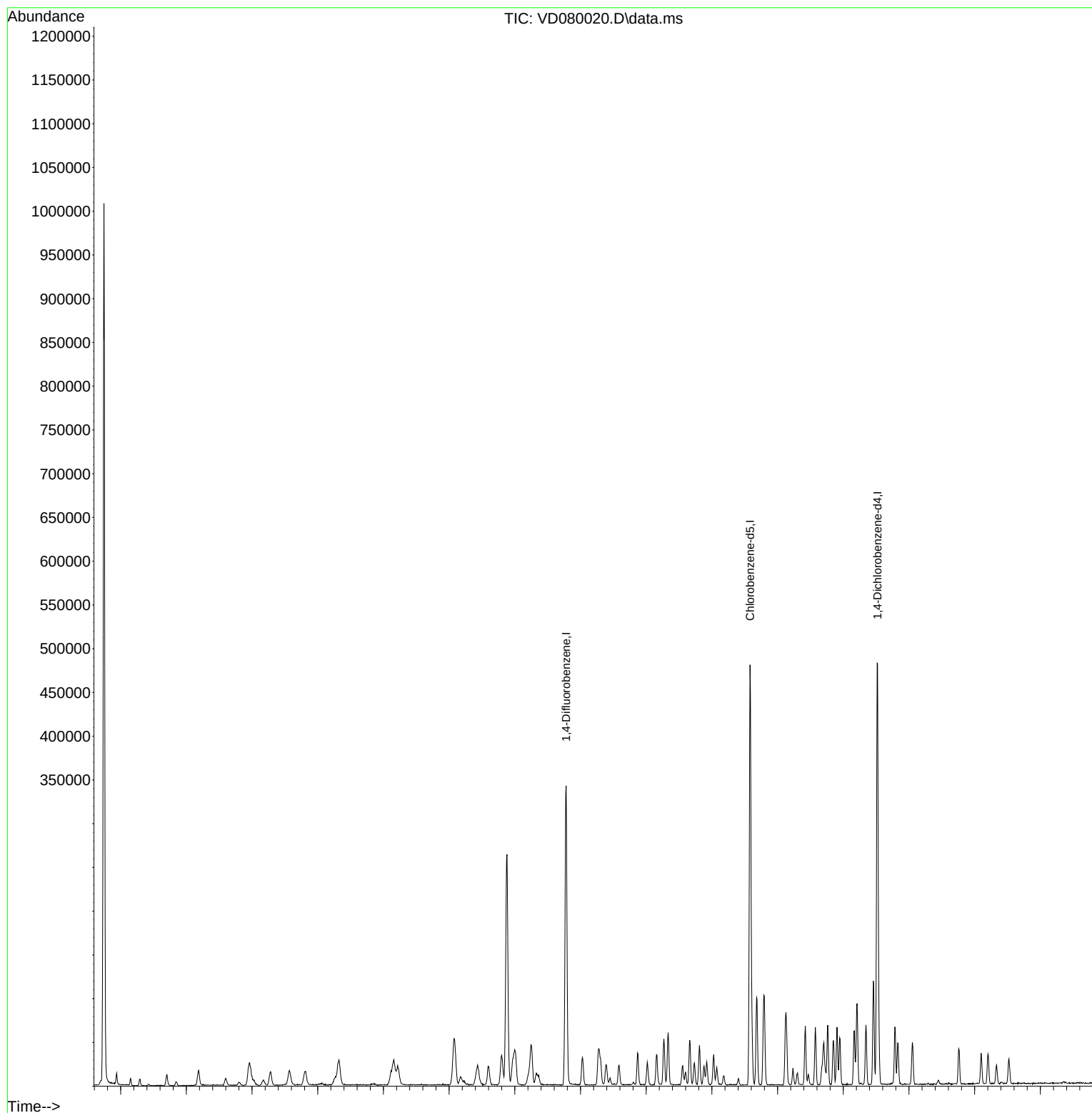
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Data File : VD080020.D
Acq On : 15 Nov 2024 10:04
Operator : RP/MD
Sample : VSTDICC005
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:08:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:08:17 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080021.D
 Acq On : 15 Nov 2024 10:31
 Operator : RP/MD
 Sample : VSTDICC010
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:09:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:08:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	178175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	287986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	263426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	138277	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	18952	10.331	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.660%#
35) Dibromofluoromethane	7.804	113	20553	10.723	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	21.440%#
50) Toluene-d8	10.269	98	71954	9.961	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	19.920%#
62) 4-Bromofluorobenzene	12.575	95	22552	9.515	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	19.040%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	13842	9.680	ug/l	97
3) Chloromethane	2.146	50	12401	11.793	ug/l	89
4) Vinyl Chloride	2.287	62	13900	11.578	ug/l	93
5) Bromomethane	2.693	94	17750	13.111	ug/l	99
6) Chloroethane	2.846	64	11012	12.832	ug/l	92
7) Trichlorofluoromethane	3.181	101	32750	11.106	ug/l	94
8) Diethyl Ether	3.599	74	8996	10.451	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.975	101	20048	10.884	ug/l	97
10) Methyl Iodide	4.163	142	20009	8.776	ug/l	94
11) Tert butyl alcohol	5.052	59	5055	52.729	ug/l	97
12) 1,1-Dichloroethene	3.946	96	19251	10.427	ug/l	87
13) Acrolein	3.793	56	10204	55.704	ug/l	99
14) Allyl chloride	4.569	41	25997	9.934	ug/l	95
15) Acrylonitrile	5.263	53	19646	51.375	ug/l	99
16) Acetone	4.022	43	20727	52.074	ug/l	92
17) Carbon Disulfide	4.275	76	63880	10.745	ug/l	100
18) Methyl Acetate	4.563	43	8941	10.128	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	37661	9.999	ug/l	90
20) Methylene Chloride	4.805	84	22377	10.474	ug/l	92
21) trans-1,2-Dichloroethene	5.316	96	20646	10.116	ug/l	96
22) Diisopropyl ether	6.222	45	52123	9.835	ug/l #	98
23) Vinyl Acetate	6.157	43	142667	46.988	ug/l	98
24) 1,1-Dichloroethane	6.110	63	37065	10.516	ug/l	97
25) 2-Butanone	7.087	43	25198	48.445	ug/l	97
26) 2,2-Dichloropropane	7.075	77	31976	10.437	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	23130	9.875	ug/l	98
28) Bromochloromethane	7.422	49	17639	11.245	ug/l #	97
29) Tetrahydrofuran	7.451	42	13995	49.120	ug/l	98
30) Chloroform	7.598	83	40716	10.965	ug/l	94
31) Cyclohexane	7.881	56	30954	10.362	ug/l #	89
32) 1,1,1-Trichloroethane	7.793	97	33127	10.424	ug/l	98
36) 1,1-Dichloropropene	8.010	75	26012	9.925	ug/l	98
37) Ethyl Acetate	7.169	43	11927	10.588	ug/l #	92
38) Carbon Tetrachloride	7.993	117	29687	10.368	ug/l	89
39) Methylcyclohexane	9.269	83	29657	9.505	ug/l	93
40) Benzene	8.251	78	82374	10.084	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080021.D
 Acq On : 15 Nov 2024 10:31
 Operator : RP/MD
 Sample : VSTDICC010
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:09:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:08:17 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	6209	4.557	ug/l	94
42) 1,2-Dichloroethane	8.322	62	22011	10.411	ug/l	96
43) Isopropyl Acetate	8.357	43	20152	9.869	ug/l #	89
44) Trichloroethene	9.028	130	22404	10.598	ug/l	91
45) 1,2-Dichloropropane	9.304	63	19870	10.121	ug/l	99
46) Dibromomethane	9.398	93	12139	10.631	ug/l	97
47) Bromodichloromethane	9.587	83	29028	10.156	ug/l	93
48) Methyl methacrylate	9.387	41	9439	9.682	ug/l	96
49) 1,4-Dioxane	9.375	88	1935	184.728	ug/l #	90
51) 4-Methyl-2-Pentanone	10.157	43	47364	45.717	ug/l	98
52) Toluene	10.334	92	49756	9.801	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	25333	9.943	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	28831	9.558	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	15900	10.525	ug/l	94
56) Ethyl methacrylate	10.598	69	16022	9.121	ug/l #	94
57) 1,3-Dichloropropane	10.881	76	25080	10.205	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.869	63	29009	43.662	ug/l	98
59) 2-Hexanone	10.922	43	35730	46.887	ug/l	99
60) Dibromochloromethane	11.075	129	20069	10.321	ug/l	96
61) 1,2-Dibromoethane	11.175	107	14443	10.140	ug/l	97
64) Tetrachloroethene	10.810	164	19229	10.250	ug/l	94
65) Chlorobenzene	11.604	112	58061	10.104	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	20899	10.448	ug/l	96
67) Ethyl Benzene	11.681	91	90326	9.368	ug/l	97
68) m/p-Xylenes	11.792	106	72455	19.228	ug/l	96
69) o-Xylene	12.122	106	31339	9.252	ug/l	100
70) Styrene	12.134	104	56244	9.303	ug/l	99
71) Bromoform	12.304	173	11693	9.915	ug/l #	99
73) Isopropylbenzene	12.422	105	85547	9.593	ug/l	98
74) N-amyl acetate	12.234	43	18256	9.291	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	18144	10.587	ug/l	93
76) 1,2,3-Trichloropropane	12.716	75	13718m	6.474	ug/l	
77) Bromobenzene	12.698	156	22784	9.832	ug/l	99
78) n-propylbenzene	12.763	91	103220	9.366	ug/l	97
79) 2-Chlorotoluene	12.845	91	61833	9.568	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	69449	9.202	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	5550	9.303	ug/l	93
82) 4-Chlorotoluene	12.945	91	67897	9.828	ug/l	96
83) tert-Butylbenzene	13.169	119	59728	9.138	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	71367	9.413	ug/l	99
85) sec-Butylbenzene	13.345	105	90478	9.365	ug/l	97
86) p-Isopropyltoluene	13.457	119	74836	9.164	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	45718	9.742	ug/l	99
88) 1,4-Dichlorobenzene	13.533	146	48934	10.383	ug/l	98
89) n-Butylbenzene	13.786	91	72926	9.492	ug/l	98
90) Hexachloroethane	14.051	117	17927	10.240	ug/l	94
91) 1,2-Dichlorobenzene	13.833	146	41526	10.148	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3003	11.588	ug/l	86
93) 1,2,4-Trichlorobenzene	15.098	180	23795	9.273	ug/l	98
94) Hexachlorobutadiene	15.204	225	13622	9.823	ug/l	95
95) Naphthalene	15.328	128	39060	8.962	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.522	180	21630	9.599	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080021.D
Acq On : 15 Nov 2024 10:31
Operator : RP/MD
Sample : VSTDICC010
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:09:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:08:17 2024
Response via : Initial Calibration

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

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

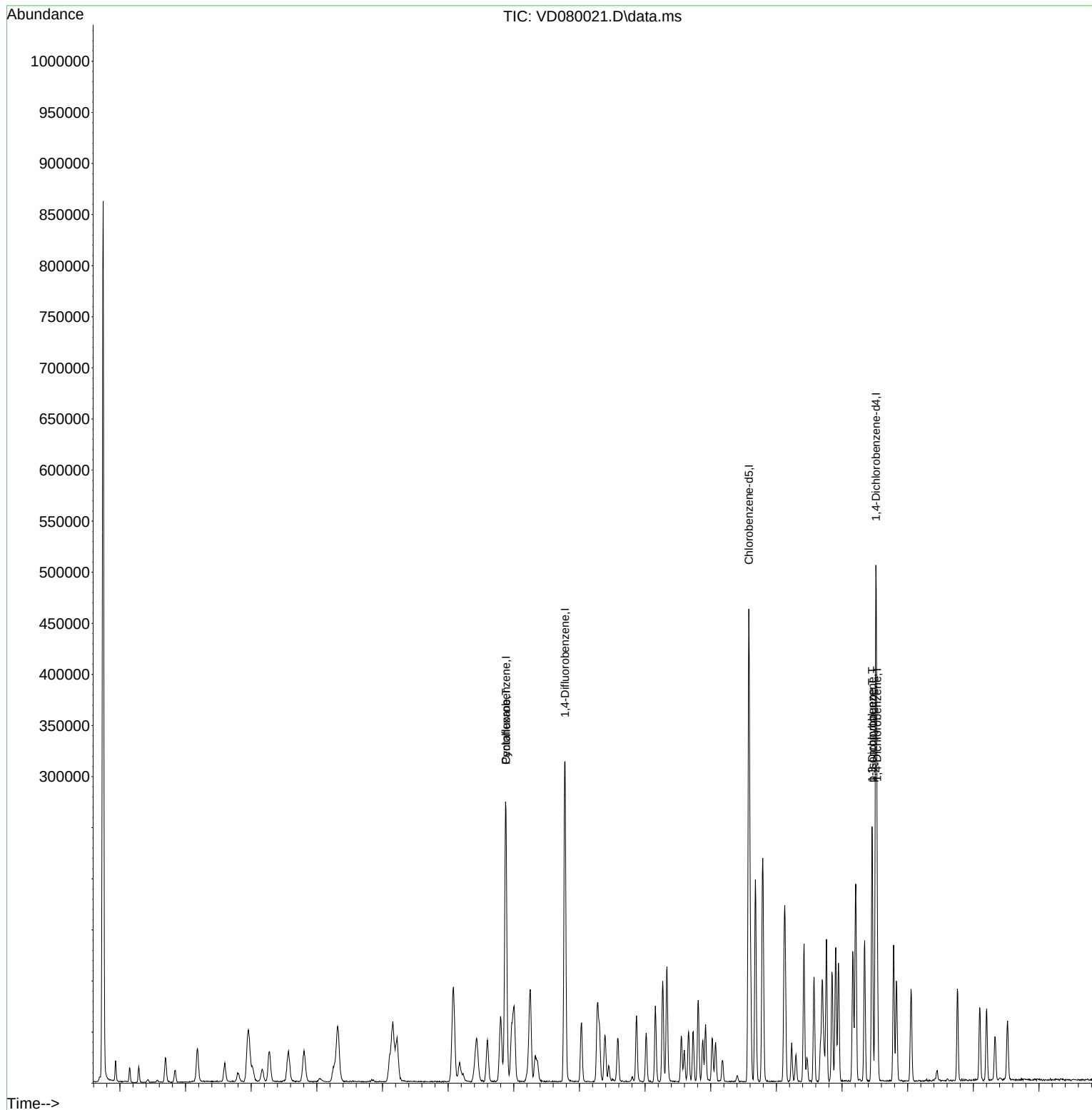
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080021.D
Acq On : 15 Nov 2024 10:31
Operator : RP/MD
Sample : VSTDICC010
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:09:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:08:17 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080022.D
 Acq On : 15 Nov 2024 10:58
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 15 16:09:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:08:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	207470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	333694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	304255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	161583	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.234	65	37444	17.529	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	35.060%#
35) Dibromofluoromethane	7.810	113	38063	17.139	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	34.280%#
50) Toluene-d8	10.269	98	145147	17.341	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	34.680%#
62) 4-Bromofluorobenzene	12.574	95	47117	17.157	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	34.320%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	30221	18.150	ug/l	98
3) Chloromethane	2.151	50	23156	18.911	ug/l	99
4) Vinyl Chloride	2.287	62	25882	18.515	ug/l	95
5) Bromomethane	2.687	94	28616	18.506	ug/l	95
6) Chloroethane	2.840	64	18938	18.953	ug/l	91
7) Trichlorofluoromethane	3.175	101	63352	18.451	ug/l	96
8) Diethyl Ether	3.598	74	18096	18.054	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.969	101	40293	18.785	ug/l	91
10) Methyl Iodide	4.163	142	49960	18.818	ug/l	98
11) Tert butyl alcohol	5.057	59	10999	98.531	ug/l #	92
12) 1,1-Dichloroethene	3.951	96	41001	19.072	ug/l	83
13) Acrolein	3.798	56	17828	83.582	ug/l	94
14) Allyl chloride	4.569	41	59125	19.402	ug/l	98
15) Acrylonitrile	5.263	53	43596	97.907	ug/l	99
16) Acetone	4.022	43	37909	81.793	ug/l #	86
17) Carbon Disulfide	4.275	76	128786	18.604	ug/l	99
18) Methyl Acetate	4.563	43	20590	20.031	ug/l	97
19) Methyl tert-butyl Ether	5.322	73	83889	19.127	ug/l	94
20) Methylene Chloride	4.804	84	50759	20.403	ug/l	94
21) trans-1,2-Dichloroethene	5.322	96	44449	18.703	ug/l	94
22) Diisopropyl ether	6.216	45	123437	20.003	ug/l	97
23) Vinyl Acetate	6.157	43	338859	95.846	ug/l	99
24) 1,1-Dichloroethane	6.116	63	79716	19.423	ug/l	99
25) 2-Butanone	7.087	43	57703	95.273	ug/l	92
26) 2,2-Dichloropropane	7.081	77	68644	19.241	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	51492	18.880	ug/l	99
28) Bromochloromethane	7.422	49	34556	18.920	ug/l #	96
29) Tetrahydrofuran	7.451	42	30913	93.178	ug/l	96
30) Chloroform	7.598	83	83979	19.422	ug/l	92
31) Cyclohexane	7.881	56	64750	18.615	ug/l	95
32) 1,1,1-Trichloroethane	7.792	97	70650	19.093	ug/l	97
36) 1,1-Dichloropropene	8.010	75	57538	18.947	ug/l	100
37) Ethyl Acetate	7.175	43	24232	18.565	ug/l #	82
38) Carbon Tetrachloride	7.992	117	64398	19.409	ug/l	98
39) Methylcyclohexane	9.275	83	63504	17.564	ug/l	95
40) Benzene	8.251	78	180359	19.054	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080022.D
 Acq On : 15 Nov 2024 10:58
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024

Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:09:43 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M

Quant Title : SW846 8260

QLast Update : Fri Nov 15 16:08:17 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	13991	8.863	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	46713	19.069	ug/l	98
43) Isopropyl Acetate	8.363	43	45489	19.225	ug/l	99
44) Trichloroethene	9.028	130	45515	18.582	ug/l	92
45) 1,2-Dichloropropane	9.304	63	43886	19.293	ug/l	99
46) Dibromomethane	9.398	93	25318	19.135	ug/l	97
47) Bromodichloromethane	9.586	83	63022	19.030	ug/l	96
48) Methyl methacrylate	9.380	41	21459	18.997	ug/l	93
49) 1,4-Dioxane	9.386	88	4525	372.814	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	114924	95.733	ug/l	98
52) Toluene	10.333	92	109805	18.667	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	56000	18.969	ug/l	91
54) cis-1,3-Dichloropropene	10.016	75	67497	19.312	ug/l	97
55) 1,1,2-Trichloroethane	10.733	97	33419	19.092	ug/l	98
56) Ethyl methacrylate	10.598	69	37039	18.197	ug/l	95
57) 1,3-Dichloropropane	10.880	76	54029	18.974	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	66445	86.309	ug/l	96
59) 2-Hexanone	10.922	43	81441	92.232	ug/l	98
60) Dibromochloromethane	11.075	129	42654	18.931	ug/l	97
61) 1,2-Dibromoethane	11.180	107	31586	19.138	ug/l	99
64) Tetrachloroethene	10.810	164	40964	18.906	ug/l	98
65) Chlorobenzene	11.604	112	124572	18.769	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.680	131	44230	19.145	ug/l	98
67) Ethyl Benzene	11.686	91	206092	18.506	ug/l	96
68) m/p-Xylenes	11.792	106	166351	38.223	ug/l	98
69) o-Xylene	12.122	106	73527	18.794	ug/l	94
70) Styrene	12.133	104	134490	19.260	ug/l	99
71) Bromoform	12.298	173	26209	19.241	ug/l #	97
73) Isopropylbenzene	12.422	105	192187	18.444	ug/l	100
74) N-amyl acetate	12.227	43	41904	18.251	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	37794	18.873	ug/l	99
76) 1,2,3-Trichloropropane	12.716	75	25503m	10.300	ug/l	
77) Bromobenzene	12.698	156	50581	18.678	ug/l	98
78) n-propylbenzene	12.763	91	240557	18.680	ug/l	99
79) 2-Chlorotoluene	12.845	91	143286	18.974	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	167256	18.965	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	13278	19.046	ug/l	98
82) 4-Chlorotoluene	12.945	91	155234	19.228	ug/l	98
83) tert-Butylbenzene	13.163	119	139175	18.222	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	167670	18.926	ug/l	100
85) sec-Butylbenzene	13.345	105	211232	18.710	ug/l	97
86) p-Isopropyltoluene	13.457	119	177158	18.564	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	105146	19.174	ug/l	98
88) 1,4-Dichlorobenzene	13.533	146	103949	18.875	ug/l	99
89) n-Butylbenzene	13.786	91	160004	17.822	ug/l	98
90) Hexachloroethane	14.051	117	38237	18.691	ug/l	96
91) 1,2-Dichlorobenzene	13.827	146	90973	19.026	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5811	19.190	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	55280	18.436	ug/l	97
94) Hexachlorobutadiene	15.204	225	28314	17.472	ug/l	96
95) Naphthalene	15.327	128	90760	17.821	ug/l	99
96) 1,2,3-Trichlorobenzene	15.521	180	48547	18.437	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080022.D
Acq On : 15 Nov 2024 10:58
Operator : RP/MD
Sample : VSTDICC020
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:09:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:08:17 2024
Response via : Initial Calibration

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

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

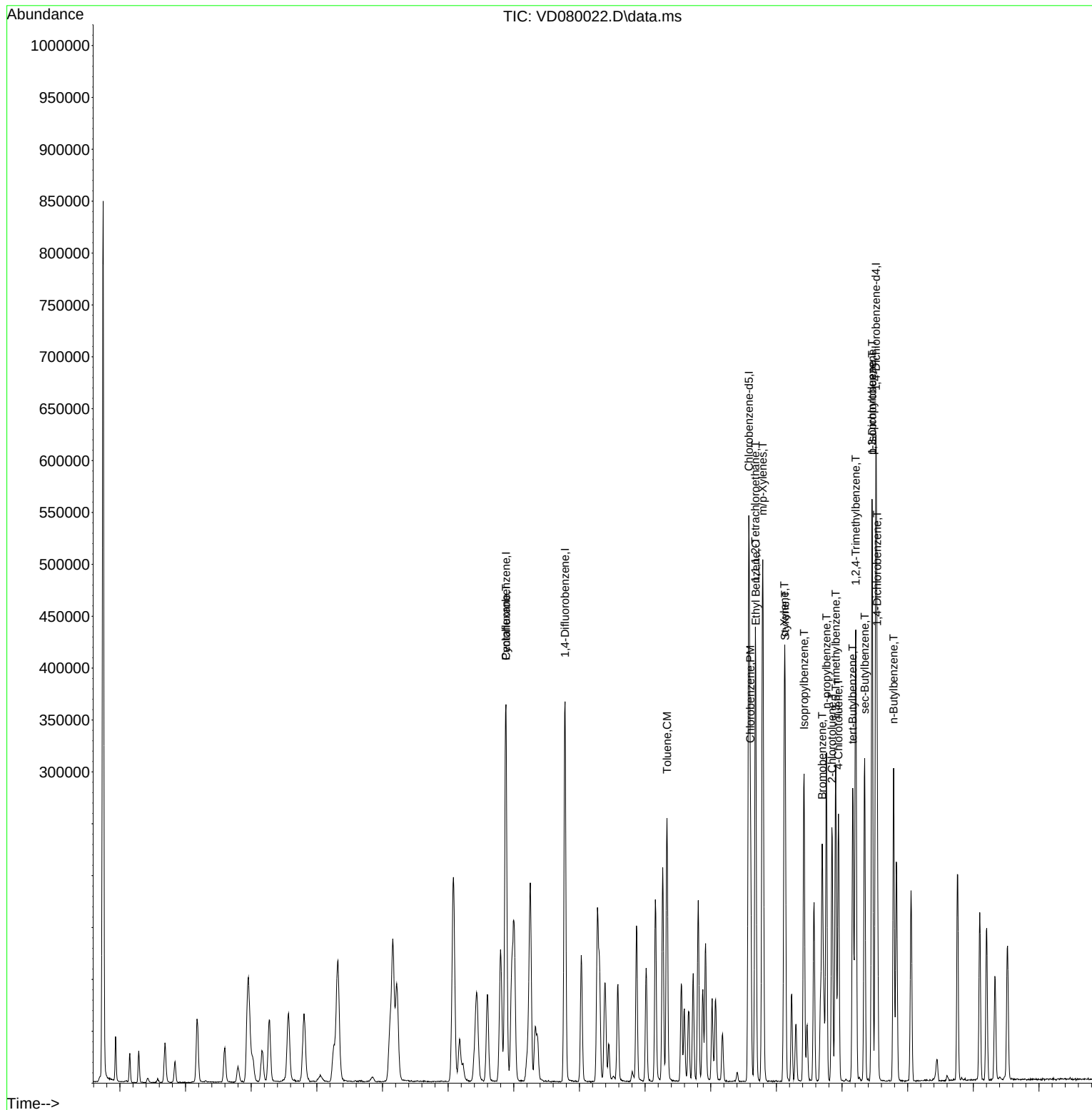
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080022.D
Acq On : 15 Nov 2024 10:58
Operator : RP/MD
Sample : VSTDICC020
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By : Mahesh Dadoda 11/18/2024
Supervised By : Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:09:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:08:17 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080023.D
 Acq On : 15 Nov 2024 11:24
 Operator : RP/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:10:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:08:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	204238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	319923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	297995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	156257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	107370	51.060	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	102.120%	
35) Dibromofluoromethane	7.805	113	107989	50.718	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	101.440%	
50) Toluene-d8	10.269	98	425425	53.013	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	106.020%	
62) 4-Bromofluorobenzene	12.575	95	139246	52.887	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	105.780%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	80818	49.304	ug/l	100
3) Chloromethane	2.146	50	56320	46.722	ug/l	98
4) Vinyl Chloride	2.287	62	65705	47.745	ug/l	95
5) Bromomethane	2.693	94	62276	42.995	ug/l	96
6) Chloroethane	2.840	64	42381	43.085	ug/l	91
7) Trichlorofluoromethane	3.181	101	156382	46.266	ug/l	93
8) Diethyl Ether	3.599	74	46243	46.866	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.969	101	98328	46.568	ug/l	93
10) Methyl Iodide	4.164	142	142220	54.416	ug/l	95
11) Tert butyl alcohol	5.058	59	23347	212.457	ug/l #	94
12) 1,1-Dichloroethene	3.946	96	100281	47.385	ug/l	86
13) Acrolein	3.799	56	49036	233.531	ug/l	99
14) Allyl chloride	4.564	41	130216	43.407	ug/l	92
15) Acrylonitrile	5.252	53	102327	233.440	ug/l	99
16) Acetone	4.022	43	107778	236.223	ug/l #	87
17) Carbon Disulfide	4.275	76	317309	46.563	ug/l	100
18) Methyl Acetate	4.564	43	43628	43.116	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	222163	51.457	ug/l	96
20) Methylene Chloride	4.805	84	113580	46.377	ug/l	92
21) trans-1,2-Dichloroethene	5.311	96	117961	50.420	ug/l	89
22) Diisopropyl ether	6.216	45	317583	52.280	ug/l	98
23) Vinyl Acetate	6.158	43	930999	267.500	ug/l	100
24) 1,1-Dichloroethane	6.111	63	198703	49.181	ug/l	97
25) 2-Butanone	7.081	43	157148	263.573	ug/l	94
26) 2,2-Dichloropropane	7.075	77	170966	48.681	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	133902	49.873	ug/l	99
28) Bromochloromethane	7.422	49	83020	46.174	ug/l #	95
29) Tetrahydrofuran	7.446	42	86841	265.900	ug/l	99
30) Chloroform	7.599	83	208157	48.903	ug/l	98
31) Cyclohexane	7.881	56	162733	47.523	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	177442	48.712	ug/l	99
36) 1,1-Dichloropropene	8.010	75	145755	50.063	ug/l	99
37) Ethyl Acetate	7.169	43	62266	49.756	ug/l #	96
38) Carbon Tetrachloride	7.993	117	157125	49.395	ug/l	97
39) Methylcyclohexane	9.275	83	177825	51.301	ug/l	97
40) Benzene	8.252	78	459376	50.620	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080023.D
 Acq On : 15 Nov 2024 11:24
 Operator : RP/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:10:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:08:17 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	33252	21.970	ug/l	95
42) 1,2-Dichloroethane	8.328	62	117850	50.179	ug/l	99
43) Isopropyl Acetate	8.363	43	117454	51.776	ug/l	99
44) Trichloroethene	9.028	130	115522	49.194	ug/l	99
45) 1,2-Dichloropropane	9.305	63	112751	51.700	ug/l	98
46) Dibromomethane	9.393	93	62584	49.337	ug/l	94
47) Bromodichloromethane	9.587	83	159563	50.254	ug/l	99
48) Methyl methacrylate	9.381	41	56346	52.029	ug/l	98
49) 1,4-Dioxane	9.381	88	13386	1150.344	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	308499	268.045	ug/l	100
52) Toluene	10.334	92	293358	52.018	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	146694	51.828	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	173261	51.706	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	85516	50.957	ug/l	97
56) Ethyl methacrylate	10.599	69	105685	54.157	ug/l	95
57) 1,3-Dichloropropane	10.881	76	140185	51.349	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	197220	267.207	ug/l	98
59) 2-Hexanone	10.922	43	234554	277.067	ug/l	97
60) Dibromochloromethane	11.075	129	111533	51.633	ug/l	100
61) 1,2-Dibromoethane	11.181	107	80516	50.886	ug/l	98
64) Tetrachloroethene	10.810	164	101766	47.954	ug/l	96
65) Chlorobenzene	11.604	112	318924	49.062	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	112677	49.796	ug/l	95
67) Ethyl Benzene	11.681	91	556007	50.976	ug/l	96
68) m/p-Xylenes	11.793	106	433218	101.632	ug/l	100
69) o-Xylene	12.122	106	199568	52.084	ug/l	94
70) Styrene	12.134	104	361279	52.826	ug/l	98
71) Bromoform	12.298	173	66498	49.843	ug/l #	99
73) Isopropylbenzene	12.422	105	511101	50.721	ug/l	100
74) N-ethyl acetate	12.234	43	117234	52.801	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	94989	49.050	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	64068m	26.758	ug/l	
77) Bromobenzene	12.698	156	130507	49.836	ug/l	99
78) n-propylbenzene	12.763	91	636265	51.092	ug/l	99
79) 2-Chlorotoluene	12.845	91	369010	50.529	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	439937	51.586	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	34451	51.101	ug/l	97
82) 4-Chlorotoluene	12.945	91	392567	50.283	ug/l	98
83) tert-Butylbenzene	13.163	119	375905	50.893	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	446723	52.143	ug/l	99
85) sec-Butylbenzene	13.345	105	552940	50.646	ug/l	98
86) p-Isopropyltoluene	13.457	119	473021	51.257	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	263700	49.727	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	259510	48.727	ug/l	98
89) n-Butylbenzene	13.787	91	440220	50.705	ug/l	99
90) Hexachloroethane	14.051	117	95003	48.022	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	230112	49.764	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	14287	48.788	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	144289	49.762	ug/l	99
94) Hexachlorobutadiene	15.204	225	77123	49.213	ug/l	96
95) Naphthalene	15.328	128	253577	51.487	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	128967	50.648	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080023.D
Acq On : 15 Nov 2024 11:24
Operator : RP/MD
Sample : VSTDICCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:10:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:08:17 2024
Response via : Initial Calibration

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

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

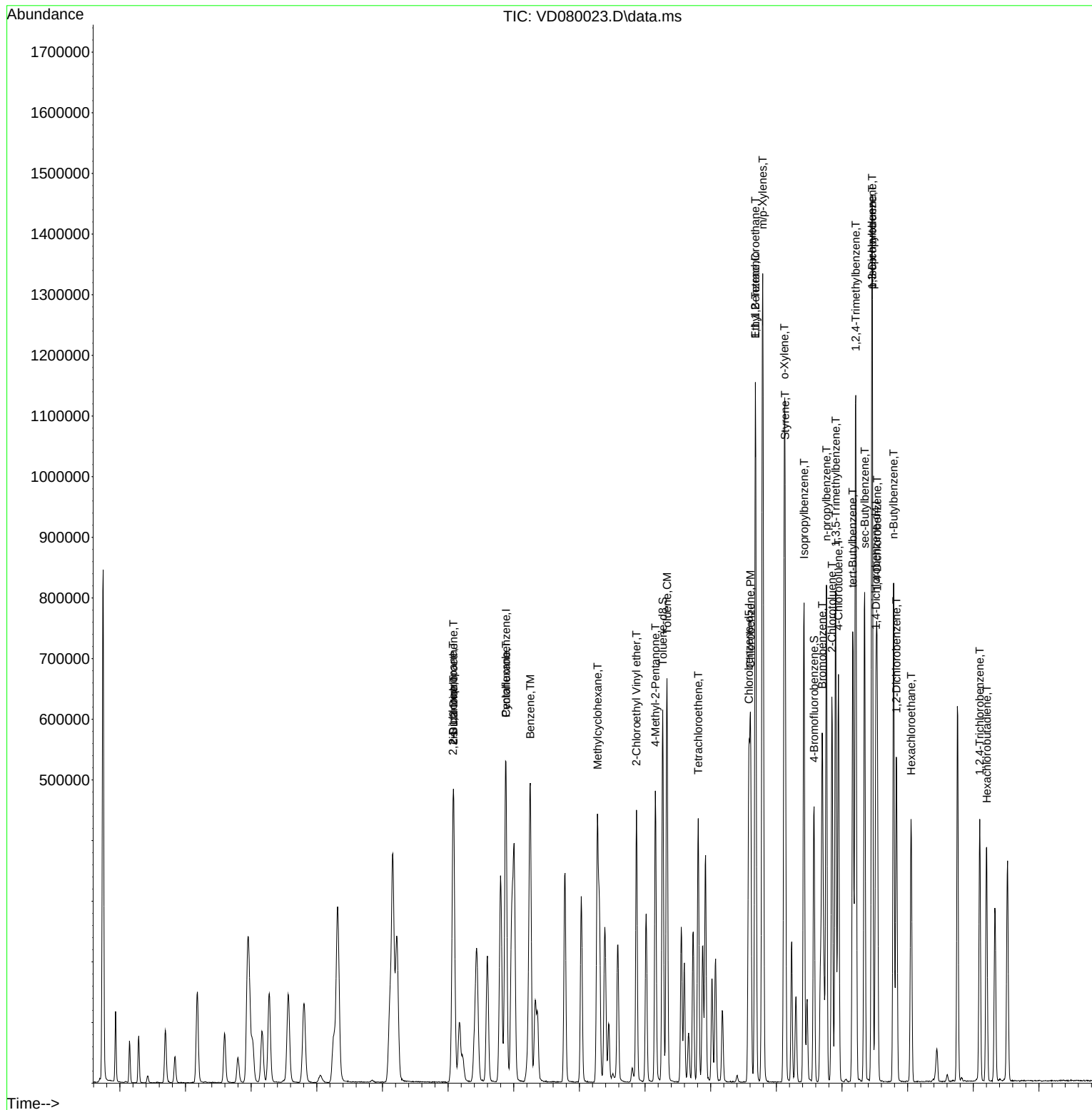
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080023.D
Acq On : 15 Nov 2024 11:24
Operator : RP/MD
Sample : VSTDICCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By : Mahesh Dadoda 11/18/2024
Supervised By : Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:10:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:08:17 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080024.D
 Acq On : 15 Nov 2024 11:51
 Operator : RP/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:10:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:08:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	213987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	334359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	305672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	161470	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.228	65	215523	97.823	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	195.640%#
35) Dibromofluoromethane	7.804	113	219736	98.746	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	197.500%#
50) Toluene-d8	10.269	98	871600	103.923	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	207.840%#
62) 4-Bromofluorobenzene	12.569	95	292418	106.269	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	212.540%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	169485	98.686	ug/l	98
3) Chloromethane	2.146	50	120374	95.311	ug/l	96
4) Vinyl Chloride	2.287	62	141364	98.044	ug/l	93
5) Bromomethane	2.687	94	148540	108.149	ug/l	99
6) Chloroethane	2.834	64	107437	104.245	ug/l	97
7) Trichlorofluoromethane	3.175	101	352620	99.570	ug/l	97
8) Diethyl Ether	3.593	74	110272	106.666	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.969	101	213116	96.333	ug/l	97
10) Methyl Iodide	4.163	142	313697	114.559	ug/l	96
11) Tert butyl alcohol	5.058	59	55887	485.400	ug/l #	87
12) 1,1-Dichloroethene	3.946	96	222161	100.193	ug/l	94
13) Acrolein	3.799	56	114581	520.823	ug/l	99
14) Allyl chloride	4.563	41	333079	105.973	ug/l	97
15) Acrylonitrile	5.257	53	242417	527.834	ug/l	99
16) Acetone	4.022	43	282176	590.285	ug/l	95
17) Carbon Disulfide	4.269	76	726481	101.750	ug/l	98
18) Methyl Acetate	4.563	43	109084	102.891	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	494834	109.391	ug/l	96
20) Methylene Chloride	4.799	84	248753	96.944	ug/l	97
21) trans-1,2-Dichloroethene	5.310	96	247853	101.113	ug/l	94
22) Diisopropyl ether	6.216	45	664677	104.433	ug/l	98
23) Vinyl Acetate	6.152	43	2000852	548.704	ug/l	100
24) 1,1-Dichloroethane	6.116	63	416823	98.467	ug/l	98
25) 2-Butanone	7.081	43	331025	529.910	ug/l	98
26) 2,2-Dichloropropane	7.075	77	350945	95.376	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	288934	102.713	ug/l	97
28) Bromochloromethane	7.428	49	172243	91.433	ug/l #	94
29) Tetrahydrofuran	7.446	42	185474	542.033	ug/l	99
30) Chloroform	7.599	83	430697	96.575	ug/l	99
31) Cyclohexane	7.881	56	347253	96.789	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	369773	96.887	ug/l	99
36) 1,1-Dichloropropene	8.010	75	307357	101.011	ug/l	99
37) Ethyl Acetate	7.163	43	135547	103.638	ug/l	98
38) Carbon Tetrachloride	7.993	117	322998	97.157	ug/l	96
39) Methylcyclohexane	9.275	83	389740	107.583	ug/l	98
40) Benzene	8.251	78	962021	101.430	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080024.D
 Acq On : 15 Nov 2024 11:51
 Operator : RP/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024

Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:10:27 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M

Quant Title : SW846 8260

QLast Update : Fri Nov 15 16:08:17 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	72210	45.650	ug/l	98
42) 1,2-Dichloroethane	8.328	62	245353	99.958	ug/l	98
43) Isopropyl Acetate	8.357	43	249535	105.250	ug/l	98
44) Trichloroethene	9.028	130	241612	98.445	ug/l	98
45) 1,2-Dichloropropane	9.304	63	228930	100.439	ug/l	99
46) Dibromomethane	9.393	93	132059	99.612	ug/l	97
47) Bromodichloromethane	9.587	83	329294	99.233	ug/l	98
48) Methyl methacrylate	9.381	41	122491	108.222	ug/l	97
49) 1,4-Dioxane	9.387	88	26852	2207.934	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	659252	548.072	ug/l	100
52) Toluene	10.334	92	619581	105.120	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	310735	105.046	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	367453	104.923	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	174957	99.751	ug/l	98
56) Ethyl methacrylate	10.598	69	234226	114.843	ug/l	95
57) 1,3-Dichloropropane	10.875	76	290227	101.719	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	432592	560.800	ug/l	97
59) 2-Hexanone	10.916	43	496488	561.155	ug/l	96
60) Dibromochloromethane	11.075	129	229588	101.696	ug/l	99
61) 1,2-Dibromoethane	11.175	107	170888	103.337	ug/l	100
64) Tetrachloroethene	10.810	164	215063	98.797	ug/l	98
65) Chlorobenzene	11.604	112	669342	100.383	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	234719	101.126	ug/l	98
67) Ethyl Benzene	11.681	91	1201503	107.390	ug/l	97
68) m/p-Xylenes	11.792	106	936727	214.234	ug/l	99
69) o-Xylene	12.122	106	440333	112.033	ug/l	94
70) Styrene	12.134	104	769949	109.754	ug/l	99
71) Bromoform	12.298	173	135759	99.202	ug/l #	100
73) Isopropylbenzene	12.422	105	1118214	107.387	ug/l	100
74) N-amyl acetate	12.234	43	249128	108.581	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	197534	98.708	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	133250m	53.854	ug/l	
77) Bromobenzene	12.698	156	276526	102.186	ug/l	97
78) n-propylbenzene	12.763	91	1365890	106.140	ug/l	99
79) 2-Chlorotoluene	12.845	91	787564	104.361	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	949326	107.721	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	74312	106.669	ug/l	96
82) 4-Chlorotoluene	12.945	91	832316	103.168	ug/l	98
83) tert-Butylbenzene	13.163	119	829100	108.627	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	965843	109.097	ug/l	100
85) sec-Butylbenzene	13.345	105	1221229	108.246	ug/l	98
86) p-Isopropyltoluene	13.457	119	1047476	109.841	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	560219	102.233	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	546394	99.281	ug/l	97
89) n-Butylbenzene	13.786	91	975494	108.731	ug/l	98
90) Hexachloroethane	14.051	117	204284	99.928	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	484966	101.494	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	30992	102.416	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	323341	107.913	ug/l	100
94) Hexachlorobutadiene	15.204	225	172695	106.640	ug/l	99
95) Naphthalene	15.328	128	577937	113.557	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	281865	107.120	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080024.D
Acq On : 15 Nov 2024 11:51
Operator : RP/MD
Sample : VSTDICC100
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:10:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:08:17 2024
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080024.D
Acq On : 15 Nov 2024 11:51
Operator : RP/MD
Sample : VSTDICC100
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 15 16:10:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:08:17 2024
Response via : Initial Calibration

Instrument :

MSVOA_D

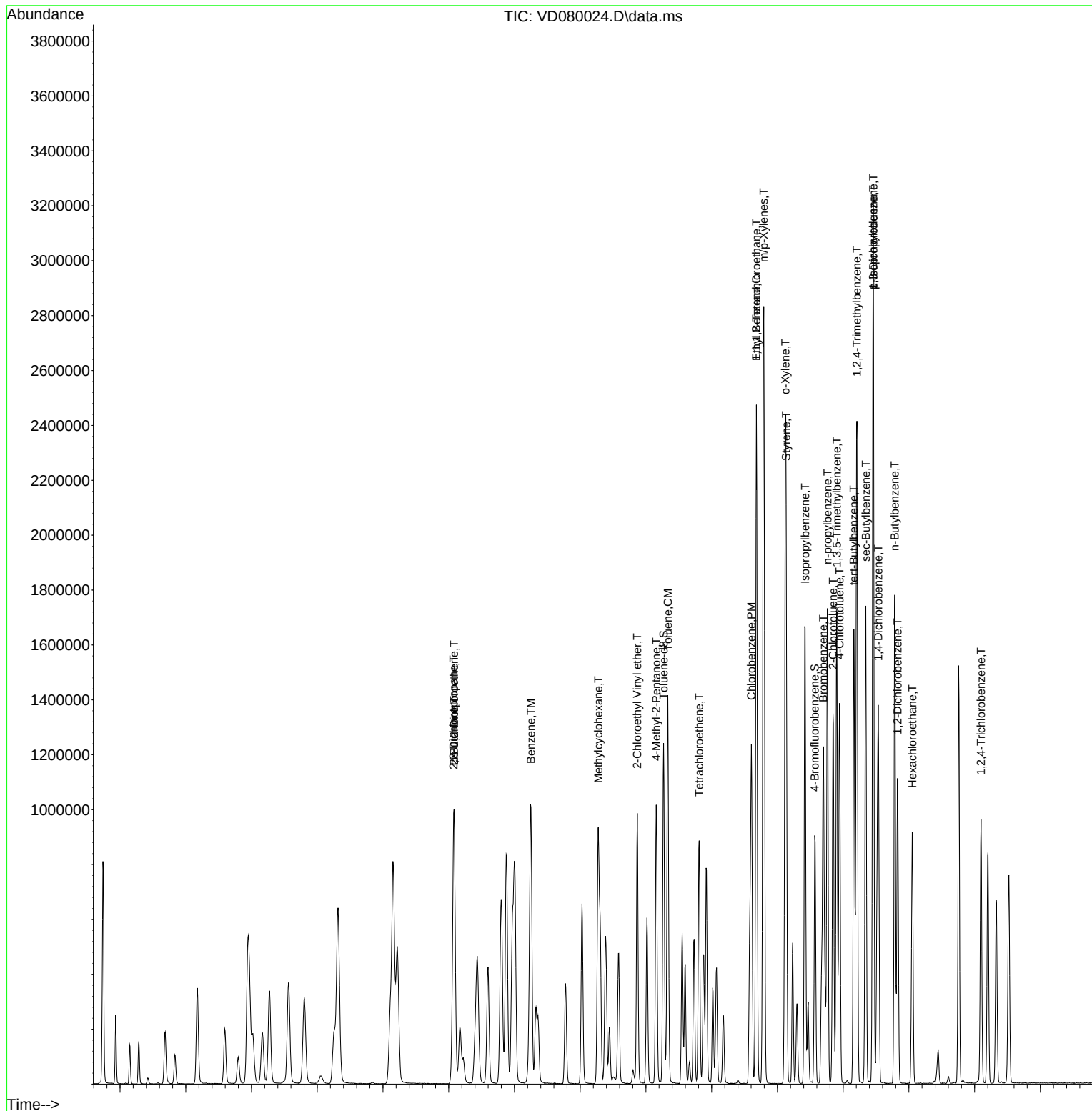
ClientSampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080025.D
 Acq On : 15 Nov 2024 12:18
 Operator : RP/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:10:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:08:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	221376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	344352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	317754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	166794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	347158	152.310	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 304.620%#			
35) Dibromofluoromethane	7.804	113	365575	159.516	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 319.040%#			
50) Toluene-d8	10.269	98	1438917	166.586	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 333.180%#			
62) 4-Bromofluorobenzene	12.569	95	478859	168.974	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 337.940%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	264686	148.975	ug/l	97
3) Chloromethane	2.146	50	170375	130.398	ug/l	96
4) Vinyl Chloride	2.281	62	192789	129.247	ug/l	99
5) Bromomethane	2.669	94	196455	146.841	ug/l	99
6) Chloroethane	2.828	64	129394	121.359	ug/l	98
7) Trichlorofluoromethane	3.169	101	503283	137.370	ug/l	100
8) Diethyl Ether	3.593	74	175609	164.197	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.969	101	334103	145.982	ug/l	98
10) Methyl Iodide	4.163	142	482887	170.459	ug/l	96
11) Tert butyl alcohol	5.052	59	87262	732.606	ug/l #	88
12) 1,1-Dichloroethene	3.940	96	351408	153.193	ug/l	94
13) Acrolein	3.793	56	199631	877.127	ug/l	98
14) Allyl chloride	4.558	41	522371	160.651	ug/l	96
15) Acrylonitrile	5.252	53	367058	772.549	ug/l	99
16) Acetone	4.022	43	413036	835.192	ug/l	98
17) Carbon Disulfide	4.269	76	1122269	151.938	ug/l	98
18) Methyl Acetate	4.563	43	165292	150.705	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	765741	163.628	ug/l	96
20) Methylene Chloride	4.805	84	381592	143.750	ug/l	98
21) trans-1,2-Dichloroethene	5.310	96	382577	150.866	ug/l	97
22) Diisopropyl ether	6.216	45	1043460	158.474	ug/l	97
23) Vinyl Acetate	6.152	43	3060849	811.376	ug/l	99
24) 1,1-Dichloroethane	6.110	63	645380	147.371	ug/l	99
25) 2-Butanone	7.081	43	503300	778.798	ug/l	98
26) 2,2-Dichloropropane	7.075	77	553285	145.347	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	450627	154.847	ug/l	98
28) Bromochloromethane	7.422	49	275355	141.290	ug/l #	92
29) Tetrahydrofuran	7.446	42	281886	796.293	ug/l	98
30) Chloroform	7.593	83	674259	146.143	ug/l	100
31) Cyclohexane	7.875	56	549994	148.182	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	575523	145.764	ug/l	98
36) 1,1-Dichloropropene	8.010	75	483352	154.240	ug/l	99
37) Ethyl Acetate	7.163	43	204212	151.608	ug/l	98
38) Carbon Tetrachloride	7.993	117	506324	147.881	ug/l	96
39) Methylcyclohexane	9.275	83	624424	167.362	ug/l	98
40) Benzene	8.251	78	1511558	154.746	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080025.D
 Acq On : 15 Nov 2024 12:18
 Operator : RP/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 15 16:10:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:08:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	116055	71.239	ug/l	95
42) 1,2-Dichloroethane	8.322	62	371202	146.841	ug/l	98
43) Isopropyl Acetate	8.357	43	388891	159.269	ug/l	100
44) Trichloroethene	9.028	130	383998	151.920	ug/l	98
45) 1,2-Dichloropropane	9.304	63	354943	151.206	ug/l	98
46) Dibromomethane	9.393	93	200861	147.112	ug/l	97
47) Bromodichloromethane	9.581	83	513563	150.272	ug/l	98
48) Methyl methacrylate	9.381	41	188276	161.517	ug/l	97
49) 1,4-Dioxane	9.387	88	43230	3451.477	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	996425	804.342	ug/l	99
52) Toluene	10.334	92	976028	160.791	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	486056	159.546	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	572950	158.854	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	271248	150.163	ug/l	98
56) Ethyl methacrylate	10.598	69	364866	173.706	ug/l	94
57) 1,3-Dichloropropane	10.881	76	454045	154.516	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	712742	897.165	ug/l	95
59) 2-Hexanone	10.922	43	746557	819.309	ug/l	95
60) Dibromochloromethane	11.069	129	360409	155.011	ug/l	99
61) 1,2-Dibromoethane	11.181	107	263889	154.944	ug/l	99
64) Tetrachloroethene	10.810	164	338630	149.648	ug/l	97
65) Chlorobenzene	11.604	112	1063606	153.447	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	370700	153.640	ug/l	97
67) Ethyl Benzene	11.681	91	1908343	164.082	ug/l	95
68) m/p-Xylenes	11.792	106	1487407	327.243	ug/l	97
69) o-Xylene	12.122	106	692154	169.407	ug/l	95
70) Styrene	12.134	104	1211907	166.184	ug/l	99
71) Bromoform	12.298	173	210245	147.789	ug/l #	98
73) Isopropylbenzene	12.422	105	1751890	162.871	ug/l	100
74) N-amyl acetate	12.234	43	377305	159.197	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	298492	144.396	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	194071m	75.932	ug/l	
77) Bromobenzene	12.698	156	438109	156.729	ug/l	97
78) n-propylbenzene	12.763	91	2141654	161.110	ug/l	99
79) 2-Chlorotoluene	12.845	91	1230210	157.812	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	1483510	162.962	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	112664	156.558	ug/l	96
82) 4-Chlorotoluene	12.945	91	1301823	156.214	ug/l	98
83) tert-Butylbenzene	13.163	119	1322689	167.764	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	1519971	166.208	ug/l	100
85) sec-Butylbenzene	13.345	105	1905911	163.541	ug/l	98
86) p-Isopropyltoluene	13.457	119	1661152	168.632	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	884500	156.258	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	843528	148.379	ug/l	99
89) n-Butylbenzene	13.786	91	1532671	165.382	ug/l	97
90) Hexachloroethane	14.051	117	320022	151.545	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	747568	151.457	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	46462	148.637	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	507254	163.889	ug/l	99
94) Hexachlorobutadiene	15.204	225	266007	159.018	ug/l	99
95) Naphthalene	15.328	128	921526	175.288	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	446072	164.113	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080025.D
Acq On : 15 Nov 2024 12:18
Operator : RP/MD
Sample : VSTDICC150
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:10:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:08:17 2024
Response via : Initial Calibration

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

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

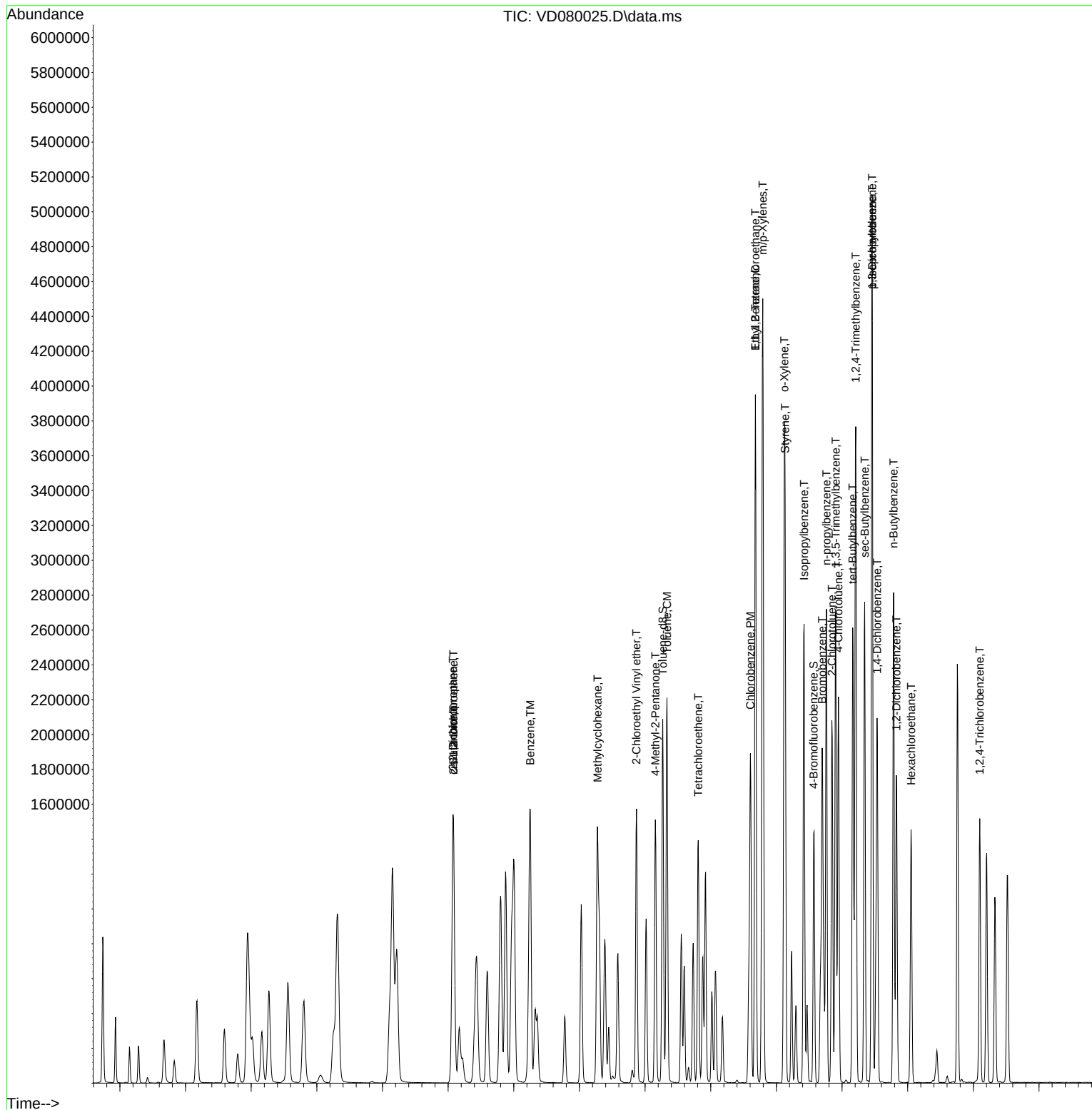

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\  
Data File : VD080025.D  
Acq On    : 15 Nov 2024 12:18  
Operator  : RP/MD  
Sample    : VSTDICC150  
Misc      : 5.00G/5ml/MSVOA_D/SOIL  
ALS Vial  : 7 Sample Multiplier: 1
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Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:10:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:08:17 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080026.D
 Acq On : 15 Nov 2024 15:44
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD111524

Quant Time: Nov 15 16:26:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	215478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	329489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	296784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	153938	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.228	65	113355	51.094	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.180%
35) Dibromofluoromethane	7.804	113	114809	52.356	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.720%
50) Toluene-d8	10.269	98	453807	54.908	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.820%
62) 4-Bromofluorobenzene	12.574	95	150030	55.329	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.660%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	87603	50.656	ug/l	100
3) Chloromethane	2.146	50	55831	43.901	ug/l	94
4) Vinyl Chloride	2.287	62	65423	45.061	ug/l	98
5) Bromomethane	2.693	94	62774	40.938	ug/l	97
6) Chloroethane	2.834	64	46643	44.944	ug/l	95
7) Trichlorofluoromethane	3.175	101	181138	50.795	ug/l	93
8) Diethyl Ether	3.593	74	52244	50.186	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.963	101	119769	53.764	ug/l	97
10) Methyl Iodide	4.163	142	147950	53.656	ug/l	97
11) Tert butyl alcohol	5.051	59	28951	250.759	ug/l	98
12) 1,1-Dichloroethene	3.940	96	120448	53.945	ug/l	97
13) Acrolein	3.804	56	55642	251.168	ug/l	95
14) Allyl chloride	4.557	41	169922	53.689	ug/l	97
15) Acrylonitrile	5.251	53	118713	256.695	ug/l	100
16) Acetone	4.022	43	138091	286.874	ug/l	94
17) Carbon Disulfide	4.269	76	393902	54.788	ug/l	97
18) Methyl Acetate	4.563	43	54694	51.232	ug/l	98
19) Methyl tert-butyl Ether	5.322	73	241030	52.915	ug/l	99
20) Methylene Chloride	4.798	84	130898	50.705	ug/l	93
21) trans-1,2-Dichloroethene	5.310	96	128235	51.952	ug/l	94
22) Diisopropyl ether	6.216	45	346151	54.010	ug/l	99
23) Vinyl Acetate	6.157	43	1000805	272.557	ug/l	98
24) 1,1-Dichloroethane	6.110	63	215239	50.495	ug/l	97
25) 2-Butanone	7.081	43	159263	253.186	ug/l	99
26) 2,2-Dichloropropane	7.075	77	189500	51.144	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	145314	51.300	ug/l	98
28) Bromochloromethane	7.422	49	93627	49.357	ug/l #	94
29) Tetrahydrofuran	7.445	42	91293	264.950	ug/l	99
30) Chloroform	7.598	83	228856	50.961	ug/l	99
31) Cyclohexane	7.881	56	187203	51.818	ug/l	97
32) 1,1,1-Trichloroethane	7.792	97	198982	51.776	ug/l	99
36) 1,1-Dichloropropene	8.010	75	166277	55.453	ug/l	98
37) Ethyl Acetate	7.169	43	66430	51.543	ug/l	99
38) Carbon Tetrachloride	7.986	117	175856	53.679	ug/l	98
39) Methylcyclohexane	9.275	83	206276	57.781	ug/l	97
40) Benzene	8.251	78	496606	53.133	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080026.D
 Acq On : 15 Nov 2024 15:44
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_D

ClientSampleId :

ICVVD111524

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024

Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:26:59 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M

Quant Title : SW846 8260

QLast Update : Fri Nov 15 16:25:47 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	37264	53.575	ug/l	96
42) 1,2-Dichloroethane	8.322	62	125602	51.927	ug/l	98
43) Isopropyl Acetate	8.357	43	125392	53.670	ug/l	99
44) Trichloroethene	9.028	130	125426	51.860	ug/l	100
45) 1,2-Dichloropropane	9.304	63	120579	53.684	ug/l	99
46) Dibromomethane	9.392	93	68791	52.656	ug/l	96
47) Bromodichloromethane	9.586	83	171349	52.399	ug/l	99
48) Methyl methacrylate	9.381	41	62738	56.249	ug/l	95
49) 1,4-Dioxane	9.386	88	14046	1172.018	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	332433	280.454	ug/l	100
52) Toluene	10.333	92	321271	55.314	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	154500	53.002	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	184499	53.461	ug/l	99
55) 1,1,2-Trichloroethane	10.733	97	89211	51.615	ug/l	97
56) Ethyl methacrylate	10.598	69	113207	56.327	ug/l	96
57) 1,3-Dichloropropane	10.880	76	147929	52.612	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	236427	311.027	ug/l	98
59) 2-Hexanone	10.922	43	245472	281.545	ug/l	95
60) Dibromochloromethane	11.075	129	117958	53.022	ug/l	98
61) 1,2-Dibromoethane	11.180	107	86507	53.084	ug/l	99
64) Tetrachloroethene	10.810	164	114603	54.224	ug/l	96
65) Chlorobenzene	11.604	112	343629	53.078	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.680	131	118466	52.568	ug/l	98
67) Ethyl Benzene	11.680	91	603986	55.601	ug/l	98
68) m/p-Xylenes	11.792	106	479092	112.852	ug/l	99
69) o-Xylene	12.122	106	216945	56.850	ug/l	95
70) Styrene	12.133	104	384068	56.387	ug/l	99
71) Bromoform	12.298	173	69459	52.275	ug/l #	99
73) Isopropylbenzene	12.422	105	569454	57.363	ug/l	100
74) N-amyl acetate	12.233	43	121269	55.441	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.674	83	100457	52.655	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	69028m	50.782	ug/l	
77) Bromobenzene	12.698	156	140663	54.523	ug/l	98
78) n-propylbenzene	12.763	91	714370	58.228	ug/l	99
79) 2-Chlorotoluene	12.851	91	403695	56.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	483027	57.491	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	37189	55.994	ug/l	98
82) 4-Chlorotoluene	12.945	91	424664	55.214	ug/l	98
83) tert-Butylbenzene	13.169	119	420400	57.775	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	485565	57.531	ug/l	100
85) sec-Butylbenzene	13.345	105	633219	58.873	ug/l	99
86) p-Isopropyltoluene	13.463	119	540021	59.399	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	281797	53.941	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	275706	52.548	ug/l	99
89) n-Butylbenzene	13.786	91	499923	58.449	ug/l	99
90) Hexachloroethane	14.051	117	106998	54.900	ug/l	95
91) 1,2-Dichlorobenzene	13.833	146	242366	53.204	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	15553	53.911	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	154858	54.212	ug/l	100
94) Hexachlorobutadiene	15.204	225	89007	57.652	ug/l	99
95) Naphthalene	15.333	128	265493	54.718	ug/l	98
96) 1,2,3-Trichlorobenzene	15.521	180	135495	54.013	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080026.D
Acq On : 15 Nov 2024 15:44
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD111524

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:26:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

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

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

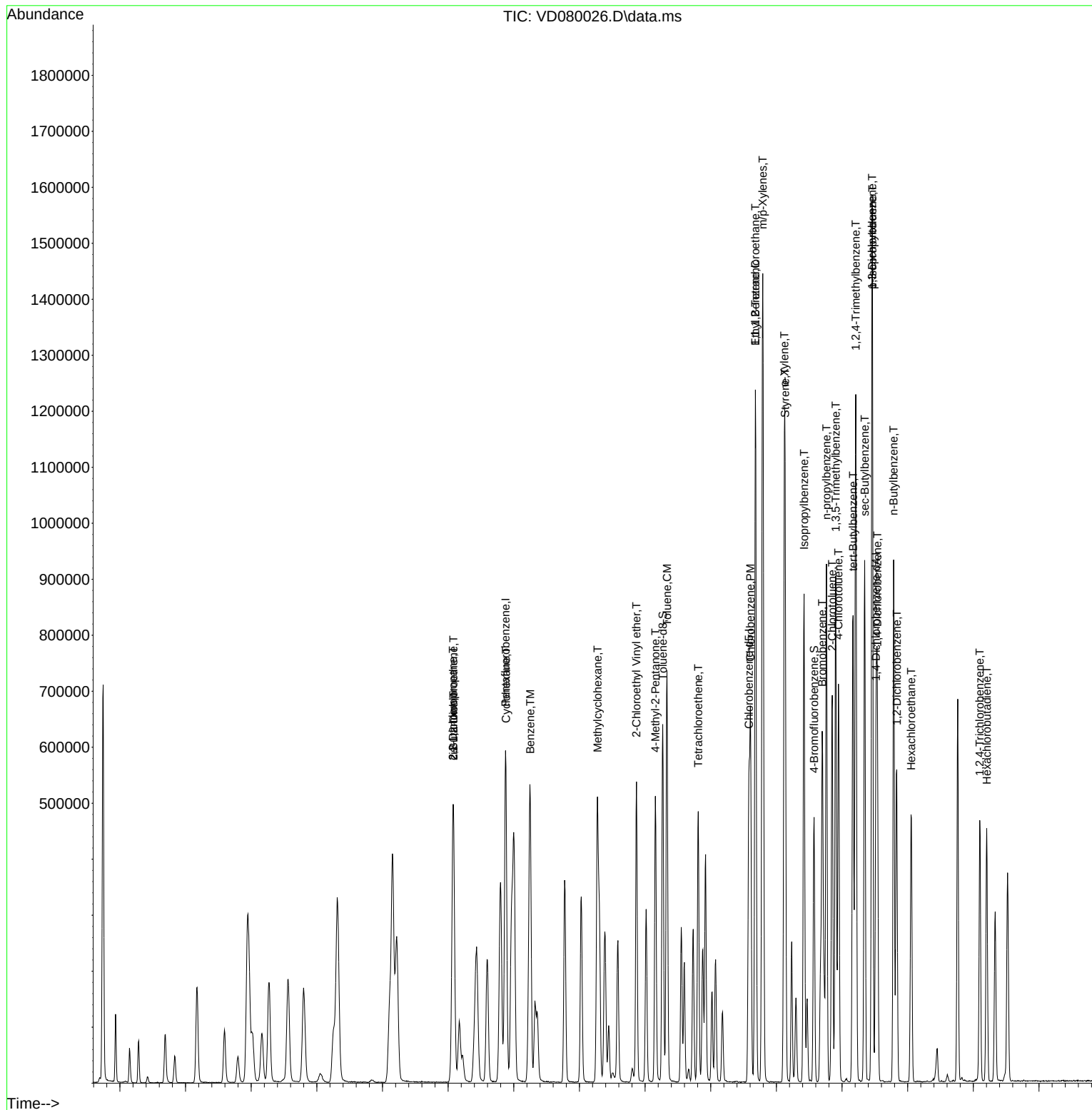
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 Response via : Initial Calibration

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	106	0.00
2 T	Dichlorodifluoromethane	0.401	0.407	-1.5	108	0.00
3 P	Chloromethane	0.295	0.259	12.2	99	0.00
4 C	Vinyl Chloride	0.337	0.304	9.8#	100	0.00
5 T	Bromomethane	0.374	0.291	22.2	101	0.00
6 T	Chloroethane	0.241	0.216	10.4	110	0.00
7 T	Trichlorofluoromethane	0.827	0.841	-1.7	116	0.00
8 T	Diethyl Ether	0.242	0.242	0.0	113	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.517	0.556	-7.5	122	0.00
10 T	Methyl Iodide	0.640	0.687	-7.3	104	0.00
11 T	Tert butyl alcohol	0.027	0.027	0.0	124	0.00
12 CM	1,1-Dichloroethene	0.518	0.559	-7.9#	120	0.00
13 T	Acrolein	0.051	0.052	-2.0	113	0.01
14 T	Allyl chloride	0.734	0.789	-7.5	130	0.00
15 T	Acrylonitrile	0.107	0.110	-2.8	116	0.00
16 T	Acetone	0.112	0.128	-14.3	128	0.00
17 T	Carbon Disulfide	1.668	1.828	-9.6	124	0.00
18 T	Methyl Acetate	0.248	0.254	-2.4	125	0.00
19 T	Methyl tert-butyl Ether	1.057	1.119	-5.9	108	0.00
20 T	Methylene Chloride	0.599	0.607	-1.3	115	0.00
21 T	trans-1,2-Dichloroethene	0.573	0.595	-3.8	109	0.00
22 T	Diisopropyl ether	1.487	1.606	-8.0	109	0.00
23 T	Vinyl Acetate	0.852	0.929	-9.0	107	0.00
24 P	1,1-Dichloroethane	0.989	0.999	-1.0	108	0.00
25 T	2-Butanone	0.146	0.148	-1.4	101	0.00
26 T	2,2-Dichloropropane	0.860	0.879	-2.2	111	0.00
27 T	cis-1,2-Dichloroethene	0.657	0.674	-2.6	109	0.00
28 T	Bromochloromethane	0.440	0.435	1.1	113	0.00
29 T	Tetrahydrofuran	0.080	0.085	-6.3	105	0.00
30 C	Chloroform	1.042	1.062	-1.9#	110	0.00
31 T	Cyclohexane	0.838	0.869	-3.7	115	0.00
32 T	1,1,1-Trichloroethane	0.892	0.923	-3.5	112	0.00
33 S	1,2-Dichloroethane-d4	0.515	0.526	-2.1	106	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35 S	Dibromofluoromethane	0.333	0.348	-4.5	106	0.00
36 T	1,1-Dichloropropene	0.455	0.505	-11.0	114	0.00
37 T	Ethyl Acetate	0.196	0.202	-3.1	107	0.00
38 T	Carbon Tetrachloride	0.497	0.534	-7.4	112	0.00
39 T	Methylcyclohexane	0.542	0.626	-15.5	116	0.00
40 TM	Benzene	1.418	1.507	-6.3	108	0.00
41 T	Methacrylonitrile	0.106	0.113	-6.6	112	0.00
42 TM	1,2-Dichloroethane	0.367	0.381	-3.8	107	0.00
43 T	Isopropyl Acetate	0.355	0.381	-7.3	107	0.00
44 TM	Trichloroethene	0.367	0.381	-3.8	109	0.00
45 C	1,2-Dichloropropane	0.341	0.366	-7.3#	107	0.00
46 T	Dibromomethane	0.198	0.209	-5.6	110	0.00
47 T	Bromodichloromethane	0.496	0.520	-4.8	107	0.00
48 T	Methyl methacrylate	0.169	0.190	-12.4	111	0.00

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 ICVVD111524

Quant Time: Nov 15 16:26:59 2024
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 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 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	0.002	0.002	0.0	105	0.00
50 S	Toluene-d8	1.254	1.377	-9.8	107	0.00
51 T	4-Methyl-2-Pentanone	0.180	0.202	-12.2	108	0.00
52 CM	Toluene	0.881	0.975	-10.7#	110	0.00
53 T	t-1,3-Dichloropropene	0.442	0.469	-6.1	105	0.00
54 T	cis-1,3-Dichloropropene	0.524	0.560	-6.9	106	0.00
55 T	1,1,2-Trichloroethane	0.262	0.271	-3.4	104	0.00
56 T	Ethyl methacrylate	0.305	0.344	-12.8	107	0.00
57 T	1,3-Dichloropropane	0.427	0.449	-5.2	106	0.00
58 T	2-Chloroethyl Vinyl ether	0.115	0.144	-25.2#	120	0.00
59 T	2-Hexanone	0.132	0.149	-12.9	105	0.00
60 T	Dibromochloromethane	0.338	0.358	-5.9	106	0.00
61 T	1,2-Dibromoethane	0.247	0.263	-6.5	107	0.00
62 S	4-Bromofluorobenzene	0.411	0.455	-10.7	108	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64 T	Tetrachloroethene	0.356	0.386	-8.4	113	0.00
65 PM	Chlorobenzene	1.091	1.158	-6.1	108	0.00
66 T	1,1,1,2-Tetrachloroethane	0.380	0.399	-5.0	105	0.00
67 C	Ethyl Benzene	1.830	2.035	-11.2#	109	0.00
68 T	m/p-Xylenes	0.715	0.807	-12.9	111	0.00
69 T	o-Xylene	0.643	0.731	-13.7	109	0.00
70 T	Styrene	1.148	1.294	-12.7	106	0.00
71 P	Bromoform	0.224	0.234	-4.5	104	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73 T	Isopropylbenzene	3.224	3.699	-14.7	111	0.00
74 T	N-amyl acetate	0.710	0.788	-11.0	103	0.00
75 P	1,1,2,2-Tetrachloroethane	0.620	0.653	-5.3	106	0.00
76 T	1,2,3-Trichloropropane	0.442	0.448	-1.4	108	0.00
77 T	Bromobenzene	0.838	0.914	-9.1	108	0.00
78 T	n-propylbenzene	3.985	4.641	-16.5	112	0.00
79 T	2-Chlorotoluene	2.337	2.622	-12.2	109	0.00
80 T	1,3,5-Trimethylbenzene	2.729	3.138	-15.0	110	0.00
81 T	trans-1,4-Dichloro-2-butene	0.216	0.242	-12.0	108	0.00
82 T	4-Chlorotoluene	2.498	2.759	-10.4	108	0.00
83 T	tert-Butylbenzene	2.363	2.731	-15.6	112	0.00
84 T	1,2,4-Trimethylbenzene	2.741	3.154	-15.1	109	0.00
85 T	sec-Butylbenzene	3.494	4.113	-17.7	115	0.00
86 T	p-Isopropyltoluene	2.953	3.508	-18.8	114	0.00
87 T	1,3-Dichlorobenzene	1.697	1.831	-7.9	107	0.00
88 T	1,4-Dichlorobenzene	1.704	1.791	-5.1	106	0.00
89 T	n-Butylbenzene	2.778	3.248	-16.9	114	0.00
90 T	Hexachloroethane	0.633	0.695	-9.8	113	0.00
91 T	1,2-Dichlorobenzene	1.480	1.574	-6.4	105	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.094	0.101	-7.4	109	0.00
93 T	1,2,4-Trichlorobenzene	0.928	1.006	-8.4	107	0.00
94 T	Hexachlorobutadiene	0.501	0.578	-15.4	115	0.00
95 T	Naphthalene	1.576	1.725	-9.5	105	0.00

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ALS Vial : 8 Sample Multiplier: 1

Instrument :
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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	0.815	0.880	-8.0	105	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	106	0.00
2 T	Dichlorodifluoromethane	50.000	50.656	-1.3	108	0.00
3 P	Chloromethane	50.000	43.901	12.2	99	0.00
4 C	Vinyl Chloride	50.000	45.061	9.9#	100	0.00
5 T	Bromomethane	50.000	40.938	18.1	101	0.00
6 T	Chloroethane	50.000	44.944	10.1	110	0.00
7 T	Trichlorofluoromethane	50.000	50.795	-1.6	116	0.00
8 T	Diethyl Ether	50.000	50.186	-0.4	113	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	53.764	-7.5	122	0.00
10 T	Methyl Iodide	50.000	53.656	-7.3	104	0.00
11 T	Tert butyl alcohol	250.000	250.759	-0.3	124	0.00
12 CM	1,1-Dichloroethene	50.000	53.945	-7.9#	120	0.00
13 T	Acrolein	250.000	251.168	-0.5	113	0.01
14 T	Allyl chloride	50.000	53.689	-7.4	130	0.00
15 T	Acrylonitrile	250.000	256.695	-2.7	116	0.00
16 T	Acetone	250.000	286.874	-14.7	128	0.00
17 T	Carbon Disulfide	50.000	54.788	-9.6	124	0.00
18 T	Methyl Acetate	50.000	51.232	-2.5	125	0.00
19 T	Methyl tert-butyl Ether	50.000	52.915	-5.8	108	0.00
20 T	Methylene Chloride	50.000	50.705	-1.4	115	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.952	-3.9	109	0.00
22 T	Diisopropyl ether	50.000	54.010	-8.0	109	0.00
23 T	Vinyl Acetate	250.000	272.557	-9.0	107	0.00
24 P	1,1-Dichloroethane	50.000	50.495	-1.0	108	0.00
25 T	2-Butanone	250.000	253.186	-1.3	101	0.00
26 T	2,2-Dichloropropane	50.000	51.144	-2.3	111	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.300	-2.6	109	0.00
28 T	Bromochloromethane	50.000	49.357	1.3	113	0.00
29 T	Tetrahydrofuran	250.000	264.950	-6.0	105	0.00
30 C	Chloroform	50.000	50.961	-1.9#	110	0.00
31 T	Cyclohexane	50.000	51.818	-3.6	115	0.00
32 T	1,1,1-Trichloroethane	50.000	51.776	-3.6	112	0.00
33 S	1,2-Dichloroethane-d4	50.000	51.094	-2.2	106	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35 S	Dibromofluoromethane	50.000	52.356	-4.7	106	0.00
36 T	1,1-Dichloropropene	50.000	55.453	-10.9	114	0.00
37 T	Ethyl Acetate	50.000	51.543	-3.1	107	0.00
38 T	Carbon Tetrachloride	50.000	53.679	-7.4	112	0.00
39 T	Methylcyclohexane	50.000	57.781	-15.6	116	0.00
40 TM	Benzene	50.000	53.133	-6.3	108	0.00
41 T	Methacrylonitrile	50.000	53.575	-7.2	112	0.00
42 TM	1,2-Dichloroethane	50.000	51.927	-3.9	107	0.00
43 T	Isopropyl Acetate	50.000	53.670	-7.3	107	0.00
44 TM	Trichloroethene	50.000	51.860	-3.7	109	0.00
45 C	1,2-Dichloropropane	50.000	53.684	-7.4#	107	0.00
46 T	Dibromomethane	50.000	52.656	-5.3	110	0.00
47 T	Bromodichloromethane	50.000	52.399	-4.8	107	0.00
48 T	Methyl methacrylate	50.000	56.249	-12.5	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
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Quant Time: Nov 15 16:26:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 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	1172.018	-17.2	105	0.00
50 S	Toluene-d8	50.000	54.908	-9.8	107	0.00
51 T	4-Methyl-2-Pentanone	250.000	280.454	-12.2	108	0.00
52 CM	Toluene	50.000	55.314	-10.6#	110	0.00
53 T	t-1,3-Dichloropropene	50.000	53.002	-6.0	105	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.461	-6.9	106	0.00
55 T	1,1,2-Trichloroethane	50.000	51.615	-3.2	104	0.00
56 T	Ethyl methacrylate	50.000	56.327	-12.7	107	0.00
57 T	1,3-Dichloropropane	50.000	52.612	-5.2	106	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	311.027	-24.4	120	0.00
59 T	2-Hexanone	250.000	281.545	-12.6	105	0.00
60 T	Dibromochloromethane	50.000	53.022	-6.0	106	0.00
61 T	1,2-Dibromoethane	50.000	53.084	-6.2	107	0.00
62 S	4-Bromofluorobenzene	50.000	55.329	-10.7	108	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64 T	Tetrachloroethene	50.000	54.224	-8.4	113	0.00
65 PM	Chlorobenzene	50.000	53.078	-6.2	108	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.568	-5.1	105	0.00
67 C	Ethyl Benzene	50.000	55.601	-11.2#	109	0.00
68 T	m/p-Xylenes	100.000	112.852	-12.9	111	0.00
69 T	o-Xylene	50.000	56.850	-13.7	109	0.00
70 T	Styrene	50.000	56.387	-12.8	106	0.00
71 P	Bromoform	50.000	52.275	-4.5	104	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73 T	Isopropylbenzene	50.000	57.363	-14.7	111	0.00
74 T	N-amyl acetate	50.000	55.441	-10.9	103	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.655	-5.3	106	0.00
76 T	1,2,3-Trichloropropane	50.000	50.782	-1.6	108	0.00
77 T	Bromobenzene	50.000	54.523	-9.0	108	0.00
78 T	n-propylbenzene	50.000	58.228	-16.5	112	0.00
79 T	2-Chlorotoluene	50.000	56.111	-12.2	109	0.00
80 T	1,3,5-Trimethylbenzene	50.000	57.491	-15.0	110	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	55.994	-12.0	108	0.00
82 T	4-Chlorotoluene	50.000	55.214	-10.4	108	0.00
83 T	tert-Butylbenzene	50.000	57.775	-15.5	112	0.00
84 T	1,2,4-Trimethylbenzene	50.000	57.531	-15.1	109	0.00
85 T	sec-Butylbenzene	50.000	58.873	-17.7	115	0.00
86 T	p-Isopropyltoluene	50.000	59.399	-18.8	114	0.00
87 T	1,3-Dichlorobenzene	50.000	53.941	-7.9	107	0.00
88 T	1,4-Dichlorobenzene	50.000	52.548	-5.1	106	0.00
89 T	n-Butylbenzene	50.000	58.449	-16.9	114	0.00
90 T	Hexachloroethane	50.000	54.900	-9.8	113	0.00
91 T	1,2-Dichlorobenzene	50.000	53.204	-6.4	105	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.911	-7.8	109	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.212	-8.4	107	0.00
94 T	Hexachlorobutadiene	50.000	57.652	-15.3	115	0.00
95 T	Naphthalene	50.000	54.718	-9.4	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080026.D
Acq On : 15 Nov 2024 15:44
Operator : RP/MD
Sample : VSTDICV050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD111524

Quant Time: Nov 15 16:26:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 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	54.013	-8.0	105	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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: BAPS03
 Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822
 Instrument ID: MSVOA_Y Calibration Date(s): 10/30/2024 10/30/2024
 Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY020075.D	RRF010 = VY020076.D	RRF020 = VY020077.D	RRF050 = VY020078.D	RRF100 = VY020079.D	RRF150 = VY020080.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.507	0.488	0.482	0.381	0.456	0.463	0.463	9.5
Chloromethane	0.831	0.835	0.791	0.683	0.731	0.728	0.767	8.1
Vinyl Chloride	0.867	0.874	0.835	0.754	0.809	0.799	0.823	5.5
Bromomethane	0.631	0.574	0.545	0.480	0.521	0.528	0.546	9.5
Chloroethane	0.562	0.555	0.546	0.486	0.527	0.511	0.531	5.5
Trichlorofluoromethane	1.025	1.018	1.037	0.927	1.012	1.014	1.005	3.9
1,1,2-Trichlorotrifluoroethane	0.597	0.584	0.567	0.509	0.561	0.565	0.564	5.3
1,1-Dichloroethene	0.534	0.578	0.536	0.493	0.543	0.552	0.540	5.1
Acetone	0.134	0.138	0.138	0.140	0.165	0.155	0.145	8.5
Carbon Disulfide	1.790	1.835	1.806	1.674	1.832	1.837	1.796	3.5
Methyl tert-butyl Ether	1.229	1.344	1.376	1.241	1.483	1.471	1.357	8
Methyl Acetate	0.314	0.357	0.351	0.317	0.362	0.342	0.340	6
Methylene Chloride	0.807	0.716	0.641	0.555	0.597	0.597	0.652	14.3
trans-1,2-Dichloroethene	0.611	0.618	0.613	0.564	0.616	0.628	0.609	3.7
1,1-Dichloroethane	1.155	1.209	1.189	1.070	1.194	1.200	1.170	4.5
Cyclohexane	1.284	1.206	1.138	0.986	1.093	1.088	1.132	9.1
2-Butanone	0.187	0.197	0.192	0.179	0.219	0.206	0.197	7.3
Carbon Tetrachloride	0.467	0.491	0.499	0.462	0.519	0.524	0.494	5.2
cis-1,2-Dichloroethene	0.646	0.714	0.715	0.646	0.740	0.736	0.700	6.1
Bromochloromethane	0.572	0.562	0.527	0.505	0.553	0.567	0.548	4.8
Chloroform	1.141	1.170	1.186	1.068	1.196	1.203	1.161	4.3
1,1,1-Trichloroethane	0.986	1.026	1.009	0.950	1.041	1.069	1.013	4.1
Methylcyclohexane	0.603	0.602	0.631	0.578	0.665	0.661	0.623	5.6
Benzene	1.414	1.405	1.455	1.325	1.504	1.498	1.433	4.7
1,2-Dichloroethane	0.379	0.391	0.402	0.365	0.425	0.418	0.397	5.8
Trichloroethene	0.328	0.331	0.332	0.307	0.348	0.346	0.332	4.4
1,2-Dichloropropane	0.323	0.331	0.357	0.320	0.363	0.364	0.343	6
Bromodichloromethane	0.459	0.476	0.487	0.451	0.526	0.522	0.487	6.4
4-Methyl-2-Pentanone	0.190	0.223	0.238	0.219	0.269	0.252	0.232	11.9
Toluene	0.803	0.859	0.900	0.833	0.953	0.953	0.884	7.1

* 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: BAPS03
 Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822
 Instrument ID: MSVOA_Y Calibration Date(s): 10/30/2024 10/30/2024
 Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY020075.D		RRF010 = VY020076.D		RRF020 = VY020077.D			
		RRF050 = VY020078.D		RRF100 = VY020079.D		RRF150 = VY020080.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.369	0.400	0.436	0.401	0.486	0.487	0.430	11.3	
cis-1,3-Dichloropropene	0.446	0.485	0.518	0.484	0.573	0.573	0.513	10	
1,1,2-Trichloroethane	0.206	0.225	0.235	0.216	0.257	0.248	0.231	8.4	
2-Hexanone	0.131	0.161	0.168	0.158	0.198	0.182	0.166	13.7	
Dibromochloromethane	0.256	0.281	0.300	0.273	0.332	0.326	0.295	10.3	
1,2-Dibromoethane	0.203	0.214	0.215	0.196	0.233	0.228	0.215	6.7	
Tetrachloroethene	0.326	0.316	0.344	0.307	0.344	0.343	0.330	4.8	
Chlorobenzene	1.024	1.044	1.094	0.993	1.114	1.124	1.065	5	
Ethyl Benzene	1.886	1.934	2.015	1.876	2.114	2.124	1.992	5.5	
m/p-Xylenes	0.685	0.693	0.742	0.692	0.779	0.782	0.729	6.2	
o-Xylene	0.652	0.662	0.686	0.649	0.745	0.745	0.690	6.5	
Styrene	0.985	1.080	1.154	1.093	1.259	1.273	1.141	9.8	
Bromoform	0.151	0.162	0.173	0.165	0.202	0.195	0.175	11.4	
Isopropylbenzene	4.065	3.829	3.995	3.685	4.099	4.293	3.994	5.3	
1,1,2,2-Tetrachloroethane	0.716	0.707	0.698	0.624	0.727	0.719	0.699	5.4	
1,3-Dichlorobenzene	1.659	1.521	1.680	1.509	1.703	1.774	1.641	6.4	
1,4-Dichlorobenzene	1.680	1.604	1.653	1.487	1.666	1.716	1.634	5	
1,2-Dichlorobenzene	1.391	1.384	1.460	1.310	1.483	1.530	1.426	5.6	
1,2-Dibromo-3-Chloropropane	0.107	0.104	0.106	0.092	0.114	0.112	0.106	7.6	
1,2,4-Trichlorobenzene	0.652	0.708	0.784	0.693	0.865	0.895	0.766	12.8	
1,2,3-Trichlorobenzene	0.578	0.606	0.653	0.575	0.737	0.754	0.650	12.1	
1,2-Dichloroethane-d4	0.608	0.657	0.578	0.586	0.668	0.647	0.624	6.1	
Dibromofluoromethane	0.305	0.317	0.300	0.305	0.340	0.340	0.318	5.7	
Toluene-d8	1.187	1.251	1.187	1.224	1.380	1.364	1.265	6.8	
4-Bromofluorobenzene	0.371	0.402	0.376	0.399	0.463	0.454	0.411	9.5	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y103024S.M
 Title : SW846 8260
 Last Update : Thu Oct 31 15:23:13 2024
 Response Via : Initial Calibration

Calibration Files

5 =VY020075.D 10 =VY020076.D 20 =VY020077.D 50 =VY020078.D 100 =VY020079.D 150 =VY020080.

D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.507	0.488	0.482	0.381	0.456	0.463	0.463	9.46
3) P	Chloromethane	0.831	0.835	0.791	0.683	0.731	0.728	0.767	8.07
4) C	Vinyl Chloride	0.867	0.874	0.835	0.754	0.809	0.799	0.823	5.49#
5) T	Bromomethane	0.631	0.574	0.545	0.480	0.521	0.528	0.546	9.45
6) T	Chloroethane	0.562	0.555	0.546	0.486	0.527	0.511	0.531	5.45
7) T	Trichlorofluor...	1.025	1.018	1.037	0.927	1.012	1.014	1.005	3.92
8) T	Diethyl Ether	0.261	0.280	0.293	0.252	0.297	0.299	0.280	7.04
9) T	1,1,2-Trichlor...	0.597	0.584	0.567	0.509	0.561	0.565	0.564	5.30
10) T	Methyl Iodide	0.499	0.541	0.548	0.517	0.577	0.585	0.544	6.16
11) T	Tert butyl alc...	0.054	0.056	0.047	0.033	0.041	0.039	0.045	19.94
12) CM	1,1-Dichloroet...	0.534	0.578	0.536	0.493	0.543	0.552	0.540	5.15#
13) T	Acrolein	0.051	0.060	0.059	0.050	0.060	0.056	0.056	8.02
14) T	Allyl chloride	0.955	0.952	0.980	0.915	1.011	1.028	0.973	4.25
15) T	Acrylonitrile	0.117	0.129	0.129	0.117	0.139	0.134	0.128	7.05
16) T	Acetone	0.134	0.138	0.138	0.140	0.165	0.155	0.145	8.48
17) T	Carbon Disulfide	1.790	1.835	1.806	1.674	1.832	1.837	1.796	3.48
18) T	Methyl Acetate	0.314	0.357	0.351	0.317	0.362	0.342	0.340	6.03
19) T	Methyl tert-bu...	1.229	1.344	1.376	1.241	1.483	1.471	1.357	8.01
20) T	Methylene Chlo...	0.807	0.716	0.641	0.555	0.597	0.597	0.652	14.31
21) T	trans-1,2-Dich...	0.611	0.618	0.613	0.564	0.616	0.628	0.609	3.71
22) T	Diisopropyl ether	1.824	1.993	2.082	1.893	2.168	2.160	2.020	7.02
23) T	Vinyl Acetate	0.982	1.112	1.150	1.054	1.274	1.249	1.137	9.87
24) P	1,1-Dichloroet...	1.155	1.209	1.189	1.070	1.194	1.200	1.170	4.46
25) T	2-Butanone	0.187	0.197	0.192	0.179	0.219	0.206	0.197	7.32
26) T	2,2-Dichloropr...	1.043	0.968	0.957	0.881	0.986	1.004	0.973	5.59
27) T	cis-1,2-Dichlo...	0.646	0.714	0.715	0.646	0.740	0.736	0.700	6.09
28) T	Bromochloromet...	0.572	0.562	0.527	0.505	0.553	0.567	0.548	4.82
29) T	Tetrahydrofuran	0.102	0.113	0.114	0.104	0.128	0.120	0.114	8.48
30) C	Chloroform	1.141	1.170	1.186	1.068	1.196	1.203	1.161	4.33#
31) T	Cyclohexane	1.284	1.206	1.138	0.986	1.093	1.088	1.132	9.14
32) T	1,1,1-Trichlor...	0.986	1.026	1.009	0.950	1.041	1.069	1.013	4.13
33) S	1,2-Dichloroet...	0.608	0.657	0.578	0.586	0.668	0.647	0.624	6.12
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.305	0.317	0.300	0.305	0.340	0.340	0.318	5.66
36) T	1,1-Dichloropr...	0.482	0.500	0.493	0.450	0.512	0.510	0.491	4.70
37) T	Ethyl Acetate	0.232	0.226	0.242	0.211	0.255	0.239	0.234	6.37
38) T	Carbon Tetrach...	0.467	0.491	0.499	0.462	0.519	0.524	0.494	5.23
39) T	Methylcyclohexane	0.603	0.602	0.631	0.578	0.665	0.661	0.623	5.60
40) TM	Benzene	1.414	1.405	1.455	1.325	1.504	1.498	1.433	4.67
41) T	Methacrylonitrile	0.079	0.115	0.131	0.119	0.132	0.127	0.117	16.94
42) TM	1,2-Dichloroet...	0.379	0.391	0.402	0.365	0.425	0.418	0.397	5.78
43) T	Isopropyl Acetate	0.390	0.440	0.462	0.412	0.510	0.487	0.450	10.02
44) TM	Trichloroethene	0.328	0.331	0.332	0.307	0.348	0.346	0.332	4.42
45) C	1,2-Dichloropr...	0.323	0.331	0.357	0.320	0.363	0.364	0.343	6.01#
46) T	Dibromomethane	0.173	0.185	0.189	0.171	0.200	0.196	0.186	6.41
47) T	Bromodichlorom...	0.459	0.476	0.487	0.451	0.526	0.522	0.487	6.45
48) T	Methyl methacr...	0.161	0.196	0.218	0.197	0.244	0.236	0.209	14.58
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	10.64
50) S	Toluene-d8	1.187	1.251	1.187	1.224	1.380	1.364	1.265	6.79
51) T	4-Methyl-2-Pen...	0.190	0.223	0.238	0.219	0.269	0.252	0.232	11.91
52) CM	Toluene	0.803	0.859	0.900	0.833	0.953	0.953	0.884	7.08#
53) T	t-1,3-Dichloro...	0.369	0.400	0.436	0.401	0.486	0.487	0.430	11.35
54) T	cis-1,3-Dichlo...	0.446	0.485	0.518	0.484	0.573	0.573	0.513	10.05
55) T	1,1,2-Trichlor...	0.206	0.225	0.235	0.216	0.257	0.248	0.231	8.38

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\										
Method File : 82Y103024S.M										
56)	T	Ethyl methacry...	0.250	0.302	0.337	0.315	0.396	0.388	0.331	16.56
57)	T	1,3-Dichloropr...	0.383	0.411	0.438	0.393	0.464	0.449	0.423	7.67
58)	T	2-Chloroethyl ...	0.132	0.155	0.167	0.160	0.186	0.180	0.163	11.81
59)	T	2-Hexanone	0.131	0.161	0.168	0.158	0.198	0.182	0.166	13.74
60)	T	Dibromochlorom...	0.256	0.281	0.300	0.273	0.332	0.326	0.295	10.31
61)	T	1,2-Dibromoethane	0.203	0.214	0.215	0.196	0.233	0.228	0.215	6.66
62)	S	4-Bromofluorob...	0.371	0.402	0.376	0.399	0.463	0.454	0.411	9.49
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.326	0.316	0.344	0.307	0.344	0.343	0.330	4.84
65)	PM	Chlorobenzene	1.024	1.044	1.094	0.993	1.114	1.124	1.065	4.99
66)	T	1,1,1,2-Tetrac...	0.312	0.332	0.345	0.317	0.365	0.370	0.340	7.12
67)	C	Ethyl Benzene	1.886	1.934	2.015	1.876	2.114	2.124	1.992	5.54#
68)	T	m/p-Xylenes	0.685	0.693	0.742	0.692	0.779	0.782	0.729	6.18
69)	T	o-Xylene	0.652	0.662	0.686	0.649	0.745	0.745	0.690	6.48
70)	T	Styrene	0.985	1.080	1.154	1.093	1.259	1.273	1.141	9.77
71)	P	Bromoform	0.151	0.162	0.173	0.165	0.202	0.195	0.175	11.41
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	4.065	3.829	3.995	3.685	4.099	4.293	3.994	5.35
74)	T	N-amyl acetate	0.835	0.907	1.004	0.918	1.156	1.171	0.998	13.89
75)	P	1,1,2,2-Tetrac...	0.716	0.707	0.698	0.624	0.727	0.719	0.699	5.40
76)	T	1,2,3-Trichlor...	0.387	0.563	0.479	0.428	0.477	0.478	0.469	12.64
77)	T	Bromobenzene	0.830	0.761	0.806	0.742	0.843	0.866	0.808	5.96
78)	T	n-propylbenzene	5.003	4.849	5.049	4.581	5.082	5.263	4.971	4.69
79)	T	2-Chlorotoluene	2.788	2.705	2.774	2.517	2.814	2.958	2.759	5.26
80)	T	1,3,5-Trimethy...	3.201	3.025	3.270	2.973	3.310	3.461	3.207	5.70
81)	T	trans-1,4-Dich...	0.208	0.210	0.211	0.197	0.238	0.243	0.218	8.40
82)	T	4-Chlorotoluene	2.774	2.702	2.871	2.606	2.904	3.025	2.813	5.35
83)	T	tert-Butylbenzene	2.826	2.624	2.798	2.664	2.888	3.024	2.804	5.24
84)	T	1,2,4-Trimethy...	3.062	3.025	3.203	2.942	3.338	3.486	3.176	6.51
85)	T	sec-Butylbenzene	4.277	4.160	4.350	4.002	4.440	4.598	4.305	4.86
86)	T	p-Isopropyltol...	3.296	3.254	3.522	3.235	3.617	3.803	3.454	6.68
87)	T	1,3-Dichlorobe...	1.659	1.521	1.680	1.509	1.703	1.774	1.641	6.42
88)	T	1,4-Dichlorobe...	1.680	1.604	1.653	1.487	1.666	1.716	1.634	4.95
89)	T	n-Butylbenzene	3.312	3.215	3.533	3.256	3.663	3.797	3.463	6.88
90)	T	Hexachloroethane	0.669	0.664	0.684	0.628	0.713	0.741	0.683	5.79
91)	T	1,2-Dichlorobe...	1.391	1.384	1.460	1.310	1.483	1.530	1.426	5.58
92)	T	1,2-Dibromo-3-...	0.107	0.104	0.106	0.092	0.114	0.112	0.106	7.59
93)	T	1,2,4-Trichlor...	0.652	0.708	0.784	0.693	0.865	0.895	0.766	12.83
94)	T	Hexachlorobuta...	0.403	0.389	0.422	0.389	0.454	0.456	0.419	7.30
95)	T	Naphthalene	1.116	1.209	1.420	1.325	1.760	1.765	1.432	19.22
96)	T	1,2,3-Trichlor...	0.578	0.606	0.653	0.575	0.737	0.754	0.650	12.13

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020075.D
 Acq On : 30 Oct 2024 12:39
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:49:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:49:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	240434	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	437202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	367609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154264	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	14625	4.940	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	9.880%#
35) Dibromofluoromethane	7.640	113	13333	4.621	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.240%#
50) Toluene-d8	10.109	98	51902	4.872	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.740%#
62) 4-Bromofluorobenzene	12.407	95	16208	4.210	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	8.420%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.873	85	12181	5.442	ug/l	99
3) Chloromethane	2.074	50	19992	6.863	ug/l	93
4) Vinyl Chloride	2.214	62	20836	6.500	ug/l	97
5) Bromomethane	2.604	94	15177	7.480	ug/l	88
6) Chloroethane	2.750	64	13521	6.278	ug/l	90
7) Trichlorofluoromethane	3.074	101	24633	5.164	ug/l	88
8) Diethyl Ether	3.464	74	6284	4.335	ug/l	68
9) 1,1,2-Trichlorotrifluo...	3.830	101	14348	5.171	ug/l	90
10) Methyl Iodide	4.012	142	11993	4.274	ug/l	# 89
11) Tert butyl alcohol	4.860	59	6468	23.321	ug/l	100
12) 1,1-Dichloroethene	3.805	96	12850	4.982	ug/l	84
13) Acrolein	3.665	56	6134	28.198	ug/l	94
14) Allyl chloride	4.390	41	22973	4.936	ug/l	# 88
15) Acrylonitrile	5.067	53	14108	21.276	ug/l	98
16) Acetone	3.872	43	16105	20.898	ug/l	# 79
17) Carbon Disulfide	4.116	76	43042	6.226	ug/l	# 93
18) Methyl Acetate	4.403	43	7550	4.548	ug/l	# 65
19) Methyl tert-butyl Ether	5.122	73	29558	3.989	ug/l	100
20) Methylene Chloride	4.622	84	19392	6.235	ug/l	# 73
21) trans-1,2-Dichloroethene	5.128	96	14695	5.235	ug/l	88
22) Diisopropyl ether	6.030	45	43856	4.326	ug/l	# 82
23) Vinyl Acetate	5.963	43	118065	20.316	ug/l	# 88
24) 1,1-Dichloroethane	5.927	63	27775	4.929	ug/l	94
25) 2-Butanone	6.902	43	22431	21.745	ug/l	# 84
26) 2,2-Dichloropropane	6.890	77	25086	4.999	ug/l	89
27) cis-1,2-Dichloroethene	6.890	96	15543	4.480	ug/l	72
28) Bromochloromethane	7.256	49	13763	5.549	ug/l	# 67
29) Tetrahydrofuran	7.274	42	12280	20.849	ug/l	# 83
30) Chloroform	7.433	83	27437	4.776	ug/l	88
31) Cyclohexane	7.707	56	30882	6.243	ug/l	# 88
32) 1,1,1-Trichloroethane	7.628	97	23695	4.707	ug/l	# 90
36) 1,1-Dichloropropene	7.835	75	21067	5.069	ug/l	93
37) Ethyl Acetate	6.994	43	10158m	4.687	ug/l	
38) Carbon Tetrachloride	7.823	117	20423	4.583	ug/l	94
39) Methylcyclohexane	9.115	83	26360	5.033	ug/l	89
40) Benzene	8.085	78	61822	4.915	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020075.D
 Acq On : 30 Oct 2024 12:39
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:49:53 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 30 13:49:45 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	3462	2.951	ug/l #	72
42) 1,2-Dichloroethane	8.158	62	16581	4.588	ug/l	93
43) Isopropyl Acetate	8.201	43	17066	3.861	ug/l #	92
44) Trichloroethene	8.871	130	14352	4.711	ug/l	94
45) 1,2-Dichloropropane	9.140	63	14120	4.485	ug/l	95
46) Dibromomethane	9.231	93	7547	4.387	ug/l #	87
47) Bromodichloromethane	9.426	83	20060	4.393	ug/l	99
48) Methyl methacrylate	9.225	41	7028	3.615	ug/l #	82
49) 1,4-Dioxane	9.231	88	1521	79.001	ug/l #	81
51) 4-Methyl-2-Pentanone	9.999	43	41560	18.434	ug/l	87
52) Toluene	10.170	92	35127	4.474	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	16130	3.926	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	19506	4.024	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	8995	3.969	ug/l #	85
56) Ethyl methacrylate	10.438	69	10951	3.367	ug/l #	65
57) 1,3-Dichloropropane	10.719	76	16743	4.207	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.713	63	28850	19.057	ug/l	92
59) 2-Hexanone	10.761	43	28622	17.775	ug/l	81
60) Dibromochloromethane	10.914	129	11181	3.844	ug/l	100
61) 1,2-Dibromoethane	11.017	107	8865	4.329	ug/l	90
64) Tetrachloroethene	10.645	164	11989	4.585	ug/l	93
65) Chlorobenzene	11.444	112	37629	4.475	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.517	131	11467	4.031	ug/l	98
67) Ethyl Benzene	11.517	91	69338	4.540	ug/l	98
68) m/p-Xylenes	11.627	106	50332	8.923	ug/l	94
69) o-Xylene	11.956	106	23982	4.425	ug/l	95
70) Styrene	11.968	104	36193	3.958	ug/l	93
71) Bromoform	12.133	173	5561	3.652	ug/l #	94
73) Isopropylbenzene	12.255	105	62710	4.833	ug/l	96
74) N-amyl acetate	12.072	43	12879	3.747	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	11048	4.792	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	5970m	1.976	ug/l	
77) Bromobenzene	12.529	156	12802	4.649	ug/l	83
78) n-propylbenzene	12.596	91	77176	4.922	ug/l	96
79) 2-Chlorotoluene	12.682	91	43013	4.785	ug/l	93
80) 1,3,5-Trimethylbenzene	12.736	105	49377	4.712	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.304	75	3212	4.290	ug/l	87
82) 4-Chlorotoluene	12.779	91	42786	4.655	ug/l	96
83) tert-Butylbenzene	12.999	119	43602	4.645	ug/l	93
84) 1,2,4-Trimethylbenzene	13.041	105	47241	4.547	ug/l	97
85) sec-Butylbenzene	13.175	105	65986	4.705	ug/l	95
86) p-Isopropyltoluene	13.291	119	50842	4.464	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	25594	4.603	ug/l	96
88) 1,4-Dichlorobenzene	13.364	146	25923	4.745	ug/l	92
89) n-Butylbenzene	13.620	91	51089	4.594	ug/l	95
90) Hexachloroethane	13.883	117	10314	4.651	ug/l	83
91) 1,2-Dichlorobenzene	13.657	146	21464	4.393	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1656	4.500	ug/l	69
93) 1,2,4-Trichlorobenzene	14.919	180	10063	3.673	ug/l	96
94) Hexachlorobutadiene	15.023	225	6221	4.084	ug/l	93
95) Naphthalene	15.145	128	17217	3.332	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	8911	3.848	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

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

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

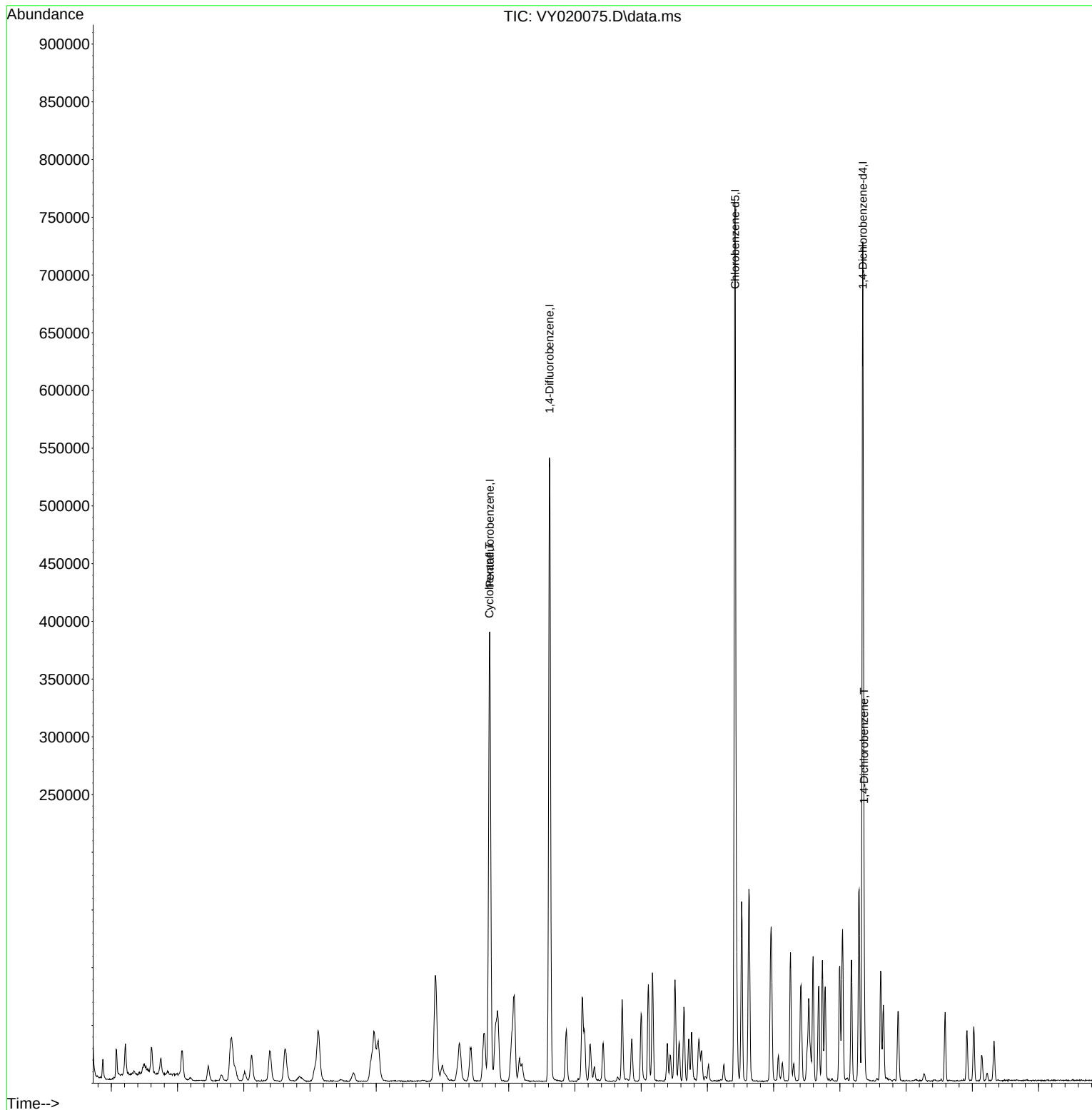
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020076.D
 Acq On : 30 Oct 2024 13:02
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:53:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:49:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	251996	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	459666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	392589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	179302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	33105	10.669	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	21.340%#	
35) Dibromofluoromethane	7.640	113	29145	9.608	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	19.220%#	
50) Toluene-d8	10.109	98	114968	10.264	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	20.520%#	
62) 4-Bromofluorobenzene	12.408	95	36997	9.141	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	18.280%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.873	85	24596	10.485	ug/l	95
3) Chloromethane	2.074	50	42089	13.785	ug/l	100
4) Vinyl Chloride	2.214	62	44064	13.115	ug/l	91
5) Bromomethane	2.605	94	28921	13.599	ug/l	96
6) Chloroethane	2.745	64	27962	12.388	ug/l	96
7) Trichlorofluoromethane	3.068	101	51307	10.263	ug/l	99
8) Diethyl Ether	3.470	74	14130	9.300	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.824	101	29440	10.124	ug/l	91
10) Methyl Iodide	4.013	142	27256	9.267	ug/l	91
11) Tert butyl alcohol	4.860	59	14113	48.551	ug/l	# 96
12) 1,1-Dichloroethene	3.799	96	29134	10.777	ug/l	# 71
13) Acrolein	3.659	56	15099	66.225	ug/l	98
14) Allyl chloride	4.397	41	47964	9.833	ug/l	# 86
15) Acrylonitrile	5.061	53	32586	46.888	ug/l	96
16) Acetone	3.873	43	34866	43.166	ug/l	# 85
17) Carbon Disulfide	4.116	76	92481	12.763	ug/l	98
18) Methyl Acetate	4.391	43	17993	10.341	ug/l	# 88
19) Methyl tert-butyl Ether	5.122	73	67742	8.722	ug/l	99
20) Methylene Chloride	4.622	84	36061	11.062	ug/l	# 71
21) trans-1,2-Dichloroethene	5.128	96	31130	10.580	ug/l	86
22) Diisopropyl ether	6.025	45	100421	9.452	ug/l	# 87
23) Vinyl Acetate	5.970	43	280142	45.993	ug/l	# 91
24) 1,1-Dichloroethane	5.921	63	60946	10.319	ug/l	97
25) 2-Butanone	6.903	43	49695	45.965	ug/l	# 83
26) 2,2-Dichloropropane	6.896	77	48779	9.274	ug/l	94
27) cis-1,2-Dichloroethene	6.896	96	35967	9.892	ug/l	84
28) Bromochloromethane	7.250	49	28309	10.890	ug/l	# 69
29) Tetrahydrofuran	7.268	42	28574	46.288	ug/l	# 83
30) Chloroform	7.427	83	58988	9.798	ug/l	91
31) Cyclohexane	7.707	56	60768	11.721	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	51697	9.798	ug/l	# 93
36) 1,1-Dichloropropene	7.841	75	45929	10.510	ug/l	93
37) Ethyl Acetate	6.994	43	20808	9.132	ug/l	# 76
38) Carbon Tetrachloride	7.823	117	45138	9.635	ug/l	98
39) Methylcyclohexane	9.109	83	55314	10.046	ug/l	# 83
40) Benzene	8.085	78	129152	9.765	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020076.D
 Acq On : 30 Oct 2024 13:02
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:53:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:49:45 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	10582	8.580	ug/l	88
42) 1,2-Dichloroethane	8.158	62	35990	9.472	ug/l	94
43) Isopropyl Acetate	8.201	43	40461	8.707	ug/l #	74
44) Trichloroethene	8.866	130	30471	9.513	ug/l	88
45) 1,2-Dichloropropane	9.140	63	30442	9.196	ug/l	96
46) Dibromomethane	9.237	93	17004	9.402	ug/l #	86
47) Bromodichloromethane	9.426	83	43762	9.116	ug/l	100
48) Methyl methacrylate	9.225	41	18005	8.808	ug/l #	82
49) 1,4-Dioxane	9.231	88	3385	167.225	ug/l #	87
51) 4-Methyl-2-Pentanone	10.000	43	102653	43.307	ug/l	88
52) Toluene	10.170	92	78956	9.564	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	36749	8.508	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	44596	8.750	ug/l #	83
55) 1,1,2-Trichloroethane	10.573	97	20698	8.686	ug/l #	86
56) Ethyl methacrylate	10.438	69	27776	8.124	ug/l #	72
57) 1,3-Dichloropropane	10.713	76	37808	9.035	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	71463	44.897	ug/l	89
59) 2-Hexanone	10.762	43	74139	43.792	ug/l	84
60) Dibromochloromethane	10.908	129	25833	8.447	ug/l	99
61) 1,2-Dibromoethane	11.012	107	19661	9.131	ug/l	96
64) Tetrachloroethene	10.646	164	24830	8.892	ug/l	94
65) Chlorobenzene	11.438	112	81961	9.128	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	26081	8.585	ug/l	98
67) Ethyl Benzene	11.518	91	151863	9.310	ug/l	98
68) m/p-Xylenes	11.627	106	108757	18.053	ug/l	88
69) o-Xylene	11.950	106	51950	8.975	ug/l	92
70) Styrene	11.969	104	84784	8.682	ug/l	95
71) Bromoform	12.133	173	12719	7.820	ug/l #	96
73) Isopropylbenzene	12.255	105	137315	9.105	ug/l	98
74) N-ethyl acetate	12.072	43	32525	8.142	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	25336	9.454	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	20202m	5.751	ug/l	
77) Bromobenzene	12.530	156	27286	8.526	ug/l	78
78) n-propylbenzene	12.591	91	173883	9.542	ug/l	95
79) 2-Chlorotoluene	12.676	91	97009	9.285	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	108479	8.906	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	7513	8.634	ug/l #	81
82) 4-Chlorotoluene	12.773	91	96899	9.071	ug/l	97
83) tert-Butylbenzene	12.993	119	94080	8.622	ug/l	92
84) 1,2,4-Trimethylbenzene	13.042	105	108470	8.983	ug/l	97
85) sec-Butylbenzene	13.176	105	149192	9.152	ug/l	97
86) p-Isopropyltoluene	13.292	119	116689	8.815	ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	54535	8.438	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	57513	9.058	ug/l	93
89) n-Butylbenzene	13.615	91	115297	8.920	ug/l	98
90) Hexachloroethane	13.877	117	23812	9.238	ug/l	78
91) 1,2-Dichlorobenzene	13.657	146	49631	8.740	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3723	8.705	ug/l	71
93) 1,2,4-Trichlorobenzene	14.919	180	25388	7.973	ug/l	94
94) Hexachlorobutadiene	15.023	225	13955	7.883	ug/l	96
95) Naphthalene	15.145	128	43361	7.220	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	21730	8.073	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:53:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

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

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

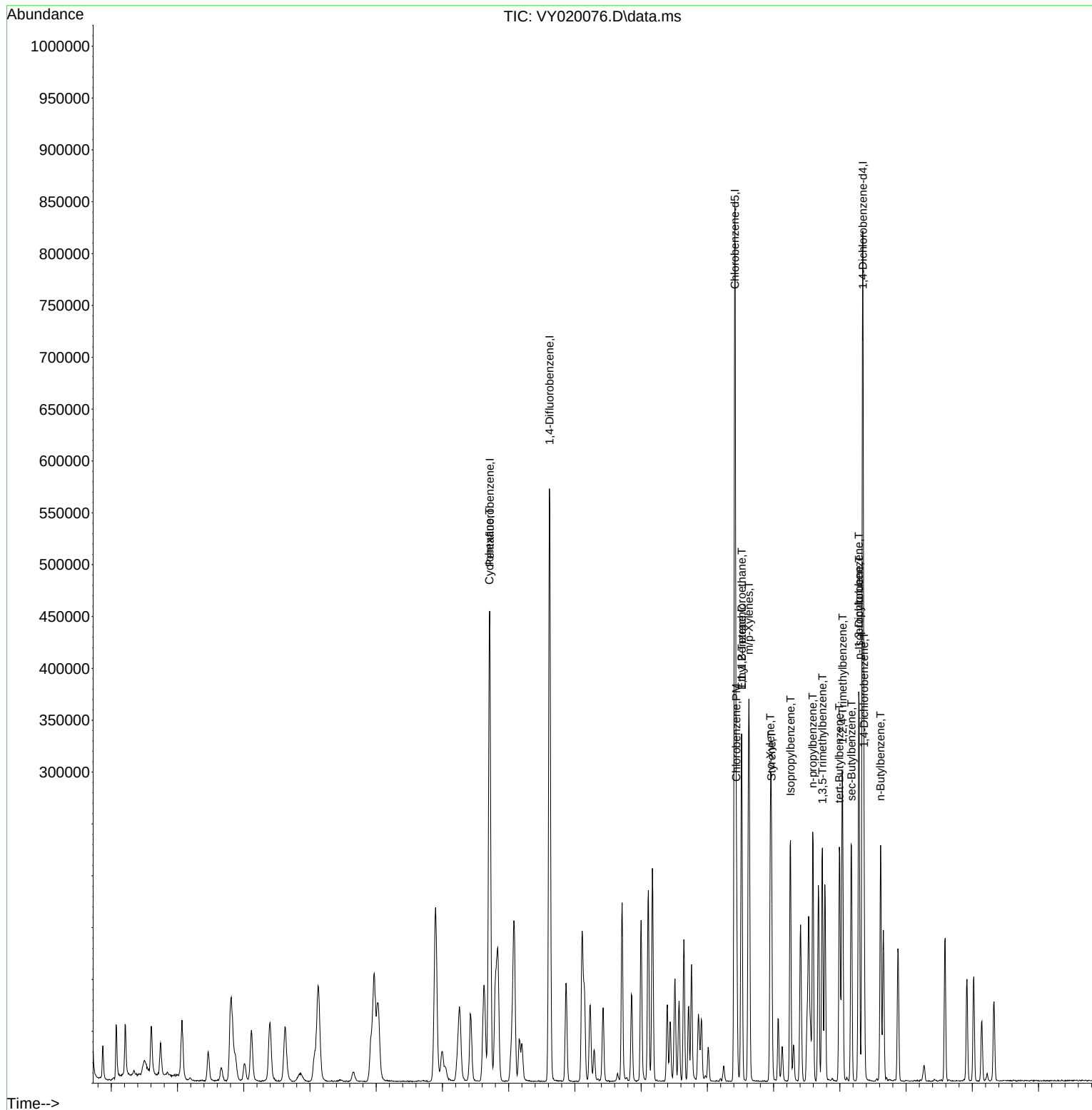
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
Operator : SY/MD
Sample : VSTDIC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:53:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020077.D
 Acq On : 30 Oct 2024 13:24
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:55:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:49:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	255489	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	453247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	386871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	180601	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	59114	18.791	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	37.580%#
35) Dibromofluoromethane	7.634	113	54397	18.187	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	36.380%#
50) Toluene-d8	10.103	98	215268	19.490	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	38.980%#
62) 4-Bromofluorobenzene	12.402	95	68234	17.097	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	34.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	49268	20.715	ug/l	96
3) Chloromethane	2.068	50	80800	26.102	ug/l	97
4) Vinyl Chloride	2.202	62	85353	25.056	ug/l	97
5) Bromomethane	2.592	94	55648	25.809	ug/l	93
6) Chloroethane	2.733	64	55759	24.366	ug/l	96
7) Trichlorofluoromethane	3.056	101	105973	20.907	ug/l	93
8) Diethyl Ether	3.452	74	29994	19.470	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.818	101	57985	19.667	ug/l	91
10) Methyl Iodide	4.007	142	56012	18.784	ug/l	# 89
11) Tert butyl alcohol	4.854	59	23879	81.025	ug/l	# 93
12) 1,1-Dichloroethene	3.787	96	54823	20.002	ug/l	# 76
13) Acrolein	3.653	56	30037	129.943	ug/l	96
14) Allyl chloride	4.385	41	100122	20.246	ug/l	# 90
15) Acrylonitrile	5.055	53	65802	93.388	ug/l	96
16) Acetone	3.873	43	70645	86.267	ug/l	# 85
17) Carbon Disulfide	4.110	76	184555	25.121	ug/l	98
18) Methyl Acetate	4.385	43	35892	20.346	ug/l	# 88
19) Methyl tert-butyl Ether	5.116	73	140655	17.862	ug/l	100
20) Methylene Chloride	4.616	84	65473	19.811	ug/l	# 76
21) trans-1,2-Dichloroethene	5.116	96	62682	21.012	ug/l	# 83
22) Diisopropyl ether	6.019	45	212810	19.756	ug/l	# 90
23) Vinyl Acetate	5.964	43	587816	95.187	ug/l	# 91
24) 1,1-Dichloroethane	5.921	63	121557	20.300	ug/l	95
25) 2-Butanone	6.897	43	97990	89.396	ug/l	# 80
26) 2,2-Dichloropropane	6.884	77	97826	18.345	ug/l	95
27) cis-1,2-Dichloroethene	6.897	96	73022	19.808	ug/l	83
28) Bromochloromethane	7.244	49	53898	20.450	ug/l	# 70
29) Tetrahydrofuran	7.262	42	58334	93.205	ug/l	# 82
30) Chloroform	7.421	83	121164	19.850	ug/l	95
31) Cyclohexane	7.701	56	116249	22.116	ug/l	89
32) 1,1,1-Trichloroethane	7.622	97	103121	19.277	ug/l	# 93
36) 1,1-Dichloropropene	7.835	75	89441	20.757	ug/l	93
37) Ethyl Acetate	6.982	43	43815	19.500	ug/l	# 93
38) Carbon Tetrachloride	7.817	117	90537	19.600	ug/l	96
39) Methylcyclohexane	9.110	83	114400	21.071	ug/l	89
40) Benzene	8.079	78	263734	20.224	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020077.D
 Acq On : 30 Oct 2024 13:24
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:55:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:49:45 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	23788	19.561	ug/l #	83
42) 1,2-Dichloroethane	8.159	62	72916	19.463	ug/l	94
43) Isopropyl Acetate	8.195	43	83718	18.270	ug/l #	75
44) Trichloroethene	8.866	130	60253	19.077	ug/l	81
45) 1,2-Dichloropropane	9.140	63	64640	19.804	ug/l	99
46) Dibromomethane	9.225	93	34353	19.263	ug/l	89
47) Bromodichloromethane	9.427	83	88375	18.670	ug/l	97
48) Methyl methacrylate	9.219	41	39516	19.605	ug/l #	80
49) 1,4-Dioxane	9.238	88	6584	329.869	ug/l #	69
51) 4-Methyl-2-Pentanone	10.000	43	216002	92.417	ug/l	88
52) Toluene	10.170	92	163230	20.053	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	79101	18.573	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	93870	18.679	ug/l #	83
55) 1,1,2-Trichloroethane	10.567	97	42659	18.156	ug/l	96
56) Ethyl methacrylate	10.439	69	61125	18.131	ug/l #	75
57) 1,3-Dichloropropane	10.713	76	79426	19.250	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	151093	96.270	ug/l	91
59) 2-Hexanone	10.762	43	152298	91.233	ug/l	84
60) Dibromochloromethane	10.908	129	54301	18.006	ug/l	100
61) 1,2-Dibromoethane	11.012	107	38956	18.348	ug/l	98
64) Tetrachloroethene	10.646	164	53279	19.362	ug/l	94
65) Chlorobenzene	11.438	112	169342	19.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.512	131	53419	17.843	ug/l	100
67) Ethyl Benzene	11.518	91	311877	19.403	ug/l	99
68) m/p-Xylenes	11.627	106	229769	38.705	ug/l	92
69) o-Xylene	11.951	106	106187	18.617	ug/l	91
70) Styrene	11.969	104	178553	18.555	ug/l	95
71) Bromoform	12.133	173	26700	16.660	ug/l #	99
73) Isopropylbenzene	12.255	105	288608	18.999	ug/l	99
74) N-ethyl acetate	12.066	43	72538	18.029	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	50452	18.691	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	34602m	9.780	ug/l	
77) Bromobenzene	12.530	156	58191	18.052	ug/l	81
78) n-propylbenzene	12.591	91	364746	19.871	ug/l	96
79) 2-Chlorotoluene	12.676	91	200389	19.043	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	236250	19.257	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	15276	17.428	ug/l #	80
82) 4-Chlorotoluene	12.774	91	207370	19.273	ug/l	95
83) tert-Butylbenzene	12.993	119	202147	18.393	ug/l	92
84) 1,2,4-Trimethylbenzene	13.042	105	231420	19.026	ug/l	97
85) sec-Butylbenzene	13.176	105	314228	19.136	ug/l	97
86) p-Isopropyltoluene	13.292	119	254400	19.079	ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	121383	18.646	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	119390	18.668	ug/l	96
89) n-Butylbenzene	13.615	91	255253	19.605	ug/l	97
90) Hexachloroethane	13.877	117	49426	19.037	ug/l	85
91) 1,2-Dichlorobenzene	13.658	146	105505	18.445	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7666	17.796	ug/l	68
93) 1,2,4-Trichlorobenzene	14.919	180	56651	17.663	ug/l	96
94) Hexachlorobutadiene	15.017	225	30501	17.105	ug/l	95
95) Naphthalene	15.145	128	102556	16.953	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	47182	17.402	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020077.D
Acq On : 30 Oct 2024 13:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:55:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

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

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

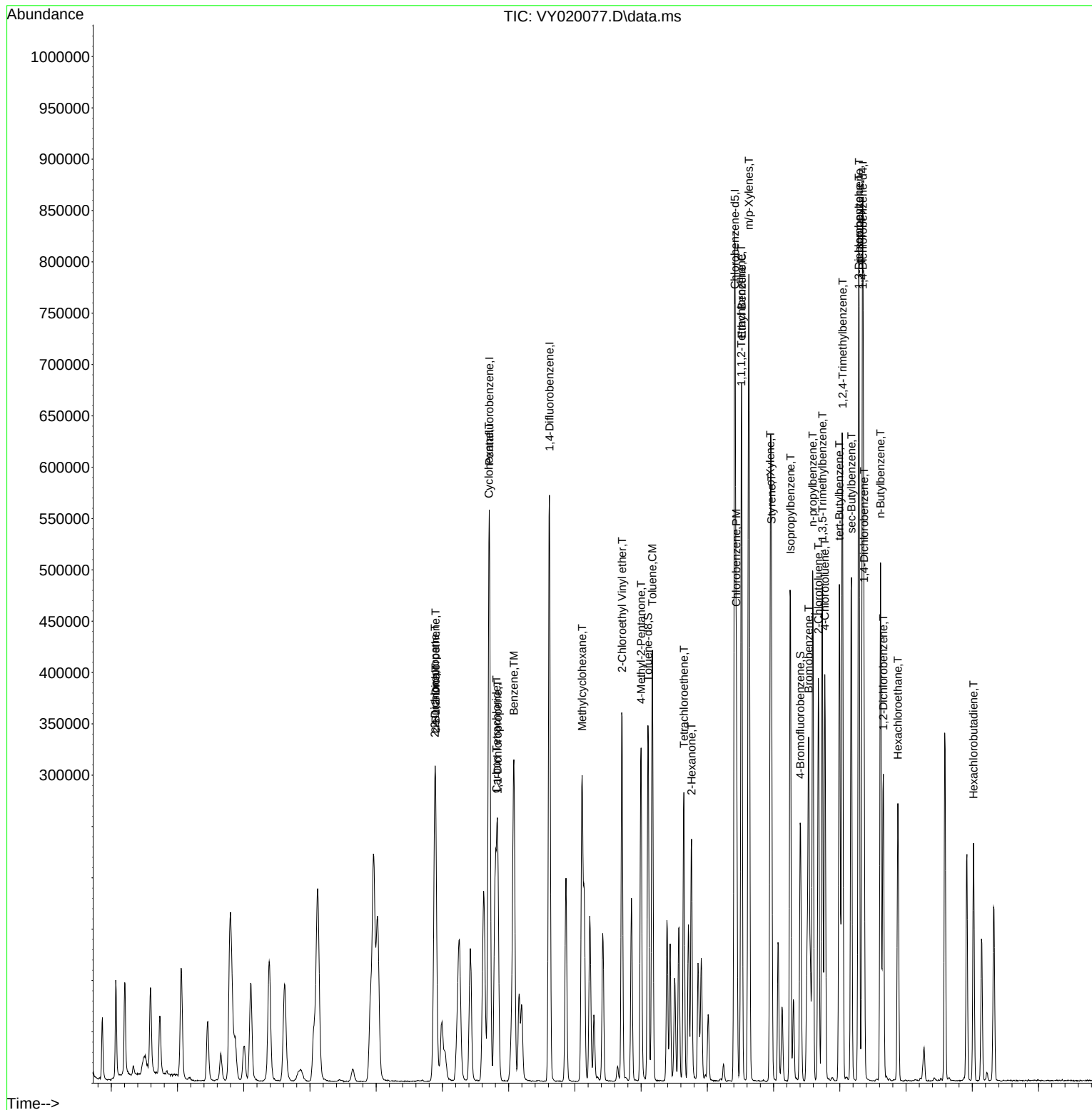
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020077.D
Acq On : 30 Oct 2024 13:24
Operator : SY/MD
Sample : VSTDIC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:55:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020078.D
 Acq On : 30 Oct 2024 14:06
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 14:58:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 14:00:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	253095	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	448895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	390884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187639	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148301	48.236	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.480%
35) Dibromofluoromethane	7.634	113	137099	49.764	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.520%
50) Toluene-d8	10.103	98	549379	50.479	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.960%
62) 4-Bromofluorobenzene	12.402	95	179271	51.568	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	103.140%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	96546	41.057	ug/l	98
3) Chloromethane	2.074	50	172932	43.513	ug/l	98
4) Vinyl Chloride	2.208	62	190844	45.286	ug/l	98
5) Bromomethane	2.598	94	121526	43.068	ug/l	99
6) Chloroethane	2.739	64	122992	45.232	ug/l	96
7) Trichlorofluoromethane	3.062	101	234671	46.283	ug/l	95
8) Diethyl Ether	3.458	74	63745	46.337	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.818	101	128941	45.130	ug/l	89
10) Methyl Iodide	4.007	142	130739	49.097	ug/l	# 88
11) Tert butyl alcohol	4.866	59	41694	173.877	ug/l	# 88
12) 1,1-Dichloroethene	3.793	96	124769	46.031	ug/l	# 80
13) Acrolein	3.653	56	62974	226.723	ug/l	98
14) Allyl chloride	4.385	41	231702	48.153	ug/l	# 90
15) Acrylonitrile	5.061	53	147956	237.463	ug/l	98
16) Acetone	3.873	43	176737	253.817	ug/l	# 84
17) Carbon Disulfide	4.110	76	423667	47.120	ug/l	99
18) Methyl Acetate	4.391	43	80236	47.343	ug/l	# 87
19) Methyl tert-butyl Ether	5.122	73	314058	47.812	ug/l	98
20) Methylene Chloride	4.616	84	140465	40.843	ug/l	# 81
21) trans-1,2-Dichloroethene	5.110	96	142767	46.884	ug/l	88
22) Diisopropyl ether	6.019	45	479235	48.598	ug/l	# 89
23) Vinyl Acetate	5.964	43	1333996	245.247	ug/l	# 90
24) 1,1-Dichloroethane	5.915	63	270841	46.285	ug/l	96
25) 2-Butanone	6.896	43	226732	237.393	ug/l	# 81
26) 2,2-Dichloropropane	6.884	77	223018	45.779	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	163527	47.495	ug/l	83
28) Bromochloromethane	7.244	49	127689	46.584	ug/l	# 72
29) Tetrahydrofuran	7.262	42	131553	239.719	ug/l	# 82
30) Chloroform	7.421	83	270424	46.805	ug/l	99
31) Cyclohexane	7.701	56	249456	42.730	ug/l	89
32) 1,1,1-Trichloroethane	7.622	97	240527	47.868	ug/l	95
36) 1,1-Dichloropropene	7.835	75	201893	46.739	ug/l	93
37) Ethyl Acetate	6.988	43	94588	46.256	ug/l	# 94
38) Carbon Tetrachloride	7.817	117	207365	48.133	ug/l	100
39) Methylcyclohexane	9.110	83	259600	47.915	ug/l	# 87
40) Benzene	8.079	78	594896	47.340	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020078.D
 Acq On : 30 Oct 2024 14:06
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 14:58:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 14:00:05 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	53405m	38.864	ug/l	
42) 1,2-Dichloroethane	8.158	62	163735	47.442	ug/l	93
43) Isopropyl Acetate	8.195	43	185022	48.366	ug/l #	78
44) Trichloroethene	8.866	130	137913	47.292	ug/l	86
45) 1,2-Dichloropropane	9.140	63	143501	48.060	ug/l	98
46) Dibromomethane	9.231	93	76956	47.720	ug/l #	88
47) Bromodichloromethane	9.420	83	202425	48.145	ug/l #	98
48) Methyl methacrylate	9.219	41	88629	51.150	ug/l #	81
49) 1,4-Dioxane	9.225	88	15719	979.894	ug/l #	88
51) 4-Methyl-2-Pentanone	10.000	43	491343	251.440	ug/l	87
52) Toluene	10.170	92	373718	49.042	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	180112	49.960	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	217155	50.058	ug/l #	82
55) 1,1,2-Trichloroethane	10.573	97	96748	48.888	ug/l	94
56) Ethyl methacrylate	10.439	69	141354	52.279	ug/l #	73
57) 1,3-Dichloropropane	10.713	76	176327	48.342	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	359790	260.896	ug/l	91
59) 2-Hexanone	10.762	43	353785	255.117	ug/l	85
60) Dibromochloromethane	10.908	129	122325	49.155	ug/l	100
61) 1,2-Dibromoethane	11.012	107	87760	47.280	ug/l	100
64) Tetrachloroethene	10.646	164	120168	47.512	ug/l	94
65) Chlorobenzene	11.438	112	388015	47.788	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	124101	48.591	ug/l	99
67) Ethyl Benzene	11.518	91	733155	48.646	ug/l	99
68) m/p-Xylenes	11.627	106	540779	98.423	ug/l	91
69) o-Xylene	11.950	106	253611	48.985	ug/l	91
70) Styrene	11.969	104	427323	50.713	ug/l	95
71) Bromoform	12.133	173	64353	50.623	ug/l #	97
73) Isopropylbenzene	12.255	105	691368	47.317	ug/l	97
74) N-ethyl acetate	12.072	43	172232	50.105	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	117149	45.482	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	80285m	25.625	ug/l	
77) Bromobenzene	12.530	156	139237	47.289	ug/l	82
78) n-propylbenzene	12.591	91	859635	47.031	ug/l	96
79) 2-Chlorotoluene	12.676	91	472269	46.677	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	557869	47.687	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.298	75	36981	47.705	ug/l #	84
82) 4-Chlorotoluene	12.780	91	488931	47.584	ug/l	94
83) tert-Butylbenzene	12.993	119	499937	48.831	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	552088	48.105	ug/l	96
85) sec-Butylbenzene	13.176	105	751015	47.676	ug/l	97
86) p-Isopropyltoluene	13.292	119	606962	48.620	ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	283109	47.380	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	278979	46.291	ug/l	96
89) n-Butylbenzene	13.615	91	611011	48.906	ug/l	98
90) Hexachloroethane	13.877	117	117887	47.505	ug/l	83
91) 1,2-Dichlorobenzene	13.657	146	245799	47.241	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17194	44.817	ug/l	75
93) 1,2,4-Trichlorobenzene	14.919	180	130061	48.854	ug/l	98
94) Hexachlorobutadiene	15.023	225	72977	48.508	ug/l	98
95) Naphthalene	15.145	128	248616	52.269	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	107931	47.697	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 14:58:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

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

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

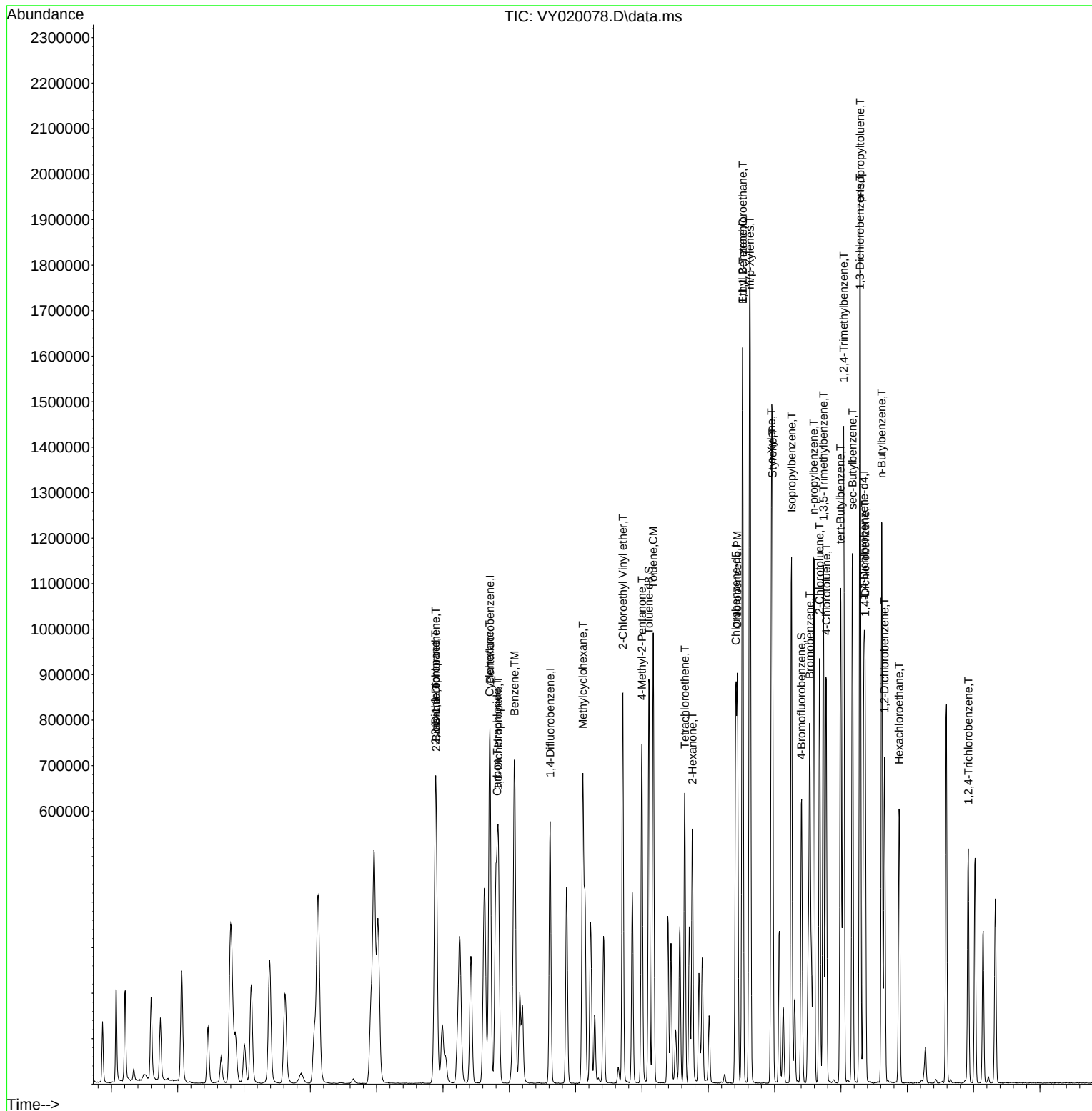
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 14:58:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020079.D
 Acq On : 30 Oct 2024 14:29
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 30 15:03:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 14:00:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	250425	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	439442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	392085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	191175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	334356	109.911	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 219.820%#			
35) Dibromofluoromethane	7.634	113	299098	110.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 221.800%#			
50) Toluene-d8	10.103	98	1212617	113.817	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 227.640%#			
62) 4-Bromofluorobenzene	12.402	95	407188	119.648	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 239.300%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	228307	98.125	ug/l	98
3) Chloromethane	2.068	50	366223	93.131	ug/l	97
4) Vinyl Chloride	2.202	62	405238	97.185	ug/l	97
5) Bromomethane	2.592	94	260872	93.438	ug/l	98
6) Chloroethane	2.733	64	263815	98.055	ug/l	98
7) Trichlorofluoromethane	3.056	101	506774	101.014	ug/l	96
8) Diethyl Ether	3.452	74	148665	109.219	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.812	101	281087	99.430	ug/l	91
10) Methyl Iodide	4.007	142	289107	109.727	ug/l	90
11) Tert butyl alcohol	4.860	59	102524	432.114	ug/l #	81
12) 1,1-Dichloroethene	3.793	96	272143	101.471	ug/l #	80
13) Acrolein	3.653	56	149511	544.019	ug/l	98
14) Allyl chloride	4.385	41	506132	106.308	ug/l #	89
15) Acrylonitrile	5.061	53	348902	565.943	ug/l	98
16) Acetone	3.866	43	414042	600.958	ug/l #	85
17) Carbon Disulfide	4.104	76	917608	103.144	ug/l	99
18) Methyl Acetate	4.385	43	181329	108.133	ug/l #	86
19) Methyl tert-butyl Ether	5.116	73	742574	114.253	ug/l	98
20) Methylene Chloride	4.616	84	299130	87.904	ug/l #	81
21) trans-1,2-Dichloroethene	5.116	96	308673	102.448	ug/l	86
22) Diisopropyl ether	6.019	45	1086016	111.305	ug/l #	91
23) Vinyl Acetate	5.958	43	3189495	592.620	ug/l #	90
24) 1,1-Dichloroethane	5.915	63	598212	103.320	ug/l	96
25) 2-Butanone	6.890	43	549299	581.259	ug/l #	84
26) 2,2-Dichloropropane	6.884	77	493900	102.464	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	370675	108.807	ug/l	84
28) Bromochloromethane	7.244	49	277089	102.166	ug/l #	72
29) Tetrahydrofuran	7.262	42	320026	589.375	ug/l #	82
30) Chloroform	7.421	83	599049	104.788	ug/l	99
31) Cyclohexane	7.701	56	547474	94.777	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	521551	104.903	ug/l	94
36) 1,1-Dichloropropene	7.835	75	449890	106.392	ug/l	94
37) Ethyl Acetate	6.988	43	223721	111.760	ug/l #	94
38) Carbon Tetrachloride	7.817	117	456363	108.209	ug/l	99
39) Methylcyclohexane	9.109	83	584361	110.176	ug/l #	87
40) Benzene	8.079	78	1321405	107.416	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020079.D
 Acq On : 30 Oct 2024 14:29
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:03:36 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 30 14:00:05 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	116421	86.544	ug/l	87
42) 1,2-Dichloroethane	8.158	62	373520	110.555	ug/l	93
43) Isopropyl Acetate	8.195	43	447889	119.599	ug/l #	78
44) Trichloroethene	8.866	130	305872	107.143	ug/l	88
45) 1,2-Dichloropropane	9.140	63	318959	109.122	ug/l	97
46) Dibromomethane	9.231	93	175876	111.406	ug/l	88
47) Bromodichloromethane	9.420	83	461878	112.218	ug/l #	98
48) Methyl methacrylate	9.219	41	214211	126.286	ug/l #	80
49) 1,4-Dioxane	9.231	88	39210	2496.859	ug/l #	83
51) 4-Methyl-2-Pentanone	9.993	43	1181631	617.696	ug/l	90
52) Toluene	10.170	92	837777	112.304	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	427557	121.149	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	503580	118.582	ug/l #	86
55) 1,1,2-Trichloroethane	10.573	97	225678	116.492	ug/l	95
56) Ethyl methacrylate	10.438	69	347881	131.431	ug/l #	75
57) 1,3-Dichloropropane	10.713	76	407824	114.214	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	816231	604.610	ug/l	92
59) 2-Hexanone	10.755	43	870879	641.505	ug/l	87
60) Dibromochloromethane	10.908	129	291690	119.734	ug/l	100
61) 1,2-Dibromoethane	11.012	107	204752	112.681	ug/l	99
64) Tetrachloroethene	10.646	164	269475	106.219	ug/l	95
65) Chlorobenzene	11.438	112	873808	107.289	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	286476	111.823	ug/l	100
67) Ethyl Benzene	11.518	91	1657653	109.651	ug/l	100
68) m/p-Xylenes	11.627	106	1221696	221.671	ug/l	91
69) o-Xylene	11.950	106	584516	112.554	ug/l	92
70) Styrene	11.969	104	987405	116.822	ug/l	95
71) Bromoform	12.127	173	158309	124.151	ug/l #	96
73) Isopropylbenzene	12.255	105	1567277	105.280	ug/l	98
74) N-amyl acetate	12.066	43	441898	126.177	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	277920	105.904	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	182495m	57.170	ug/l	
77) Bromobenzene	12.530	156	322208	107.408	ug/l	84
78) n-propylbenzene	12.591	91	1942949	104.334	ug/l	97
79) 2-Chlorotoluene	12.676	91	1075903	104.371	ug/l	94
80) 1,3,5-Trimethylbenzene	12.731	105	1265627	106.185	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	91153	115.411	ug/l #	85
82) 4-Chlorotoluene	12.773	91	1110438	106.072	ug/l	94
83) tert-Butylbenzene	12.993	119	1104057	105.843	ug/l	93
84) 1,2,4-Trimethylbenzene	13.042	105	1276373	109.156	ug/l	96
85) sec-Butylbenzene	13.176	105	1697744	105.784	ug/l	98
86) p-Isopropyltoluene	13.292	119	1382922	108.729	ug/l	95
87) 1,3-Dichlorobenzene	13.285	146	651160	106.960	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	637014	103.744	ug/l	96
89) n-Butylbenzene	13.615	91	1400648	110.036	ug/l	98
90) Hexachloroethane	13.877	117	272543	107.795	ug/l	84
91) 1,2-Dichlorobenzene	13.657	146	566909	106.942	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43753	111.936	ug/l	76
93) 1,2,4-Trichlorobenzene	14.919	180	330713	121.925	ug/l	98
94) Hexachlorobutadiene	15.023	225	173634	113.279	ug/l	99
95) Naphthalene	15.139	128	672775	138.827	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	281747	122.206	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:03:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

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

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

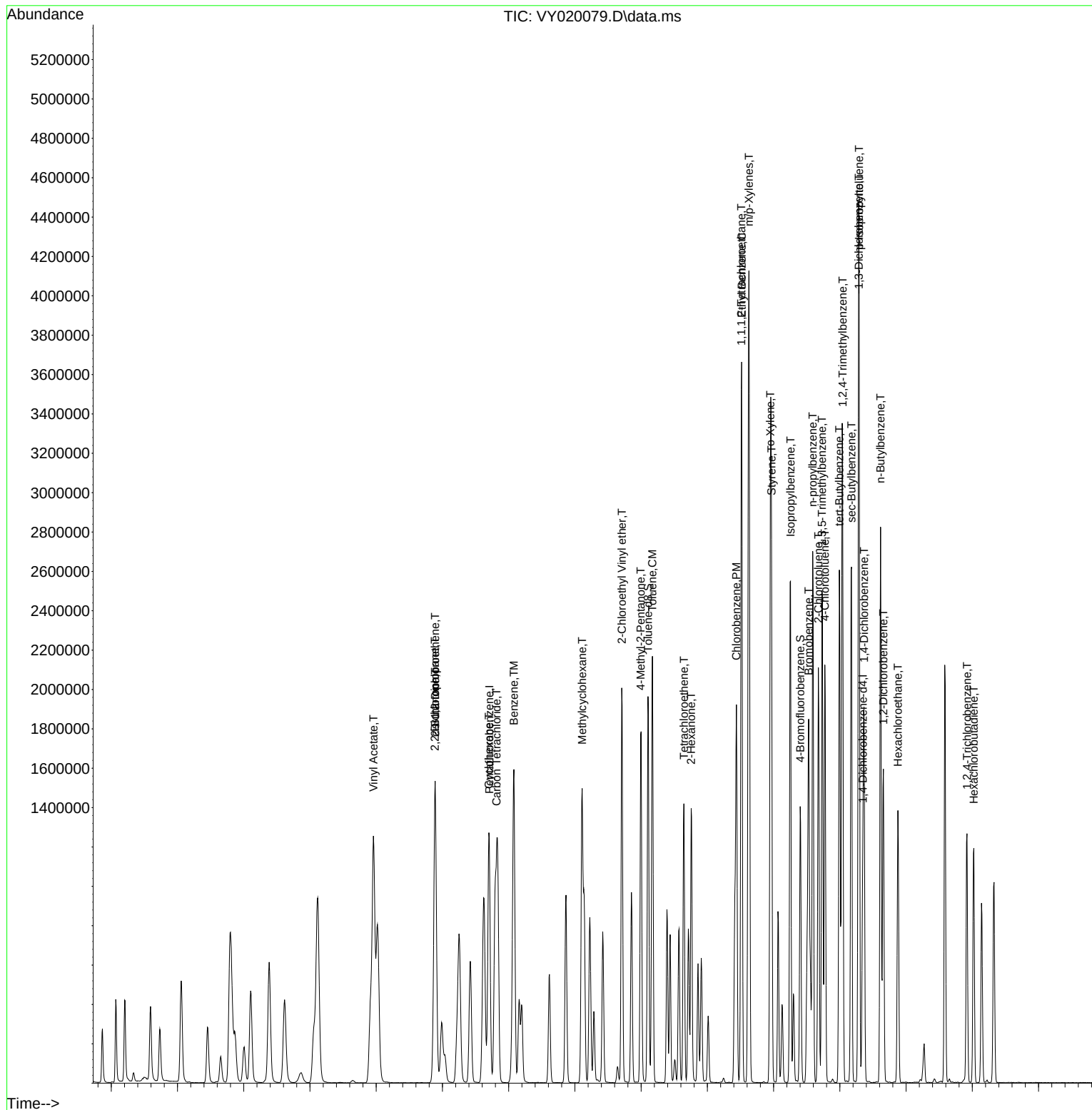
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\  
Data File : VY020079.D  
Acq On    : 30 Oct 2024   14:29  
Operator  : SY/MD  
Sample    : VSTDICC100  
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL  
ALS Vial  : 6      Sample Multiplier: 1
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Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:03:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020080.D
 Acq On : 30 Oct 2024 14:52
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:05:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 14:00:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	264324	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	464829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	410851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	513131	159.809	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	319.620%#	
35) Dibromofluoromethane	7.634	113	473607	166.018	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	332.040%#	
50) Toluene-d8	10.103	98	1901637	168.741	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	337.480%#	
62) 4-Bromofluorobenzene	12.402	95	632951	175.829	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	351.660%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	367153	149.502	ug/l	98
3) Chloromethane	2.068	50	577439	139.123	ug/l	99
4) Vinyl Chloride	2.202	62	633528	143.945	ug/l	98
5) Bromomethane	2.586	94	418638	142.061	ug/l	99
6) Chloroethane	2.732	64	405582	142.820	ug/l	98
7) Trichlorofluoromethane	3.056	101	804100	151.851	ug/l	96
8) Diethyl Ether	3.452	74	236804	164.824	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.818	101	447736	150.052	ug/l	91
10) Methyl Iodide	4.001	142	464092	166.878	ug/l #	90
11) Tert butyl alcohol	4.866	59	154213	615.794	ug/l #	82
12) 1,1-Dichloroethene	3.787	96	437783	154.648	ug/l #	77
13) Acrolein	3.653	56	222317	766.398	ug/l	99
14) Allyl chloride	4.385	41	815140	162.209	ug/l #	90
15) Acrylonitrile	5.055	53	532102	817.722	ug/l	99
16) Acetone	3.866	43	615168	845.930	ug/l #	85
17) Carbon Disulfide	4.104	76	1456308	155.090	ug/l	100
18) Methyl Acetate	4.385	43	270939	153.074	ug/l #	88
19) Methyl tert-butyl Ether	5.116	73	1166714	170.073	ug/l	96
20) Methylene Chloride	4.610	84	473057	131.706	ug/l #	81
21) trans-1,2-Dichloroethene	5.110	96	498356	156.706	ug/l #	83
22) Diisopropyl ether	6.019	45	1712860	166.319	ug/l	91
23) Vinyl Acetate	5.958	43	4953304	871.948	ug/l #	91
24) 1,1-Dichloroethane	5.915	63	951564	155.708	ug/l	96
25) 2-Butanone	6.890	43	817694	819.771	ug/l #	84
26) 2,2-Dichloropropane	6.884	77	795976	156.450	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	583766	162.347	ug/l	83
28) Bromochloromethane	7.244	49	449704	157.093	ug/l #	73
29) Tetrahydrofuran	7.262	42	474645	828.165	ug/l #	82
30) Chloroform	7.421	83	953842	158.077	ug/l	100
31) Cyclohexane	7.701	56	862973	141.540	ug/l	86
32) 1,1,1-Trichloroethane	7.616	97	847338	161.468	ug/l	96
36) 1,1-Dichloropropene	7.835	75	711249	159.013	ug/l	94
37) Ethyl Acetate	6.982	43	333510	157.506	ug/l #	94
38) Carbon Tetrachloride	7.817	117	731039	163.871	ug/l	99
39) Methylcyclohexane	9.109	83	921465	164.246	ug/l #	88
40) Benzene	8.079	78	2088865	160.528	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020080.D
 Acq On : 30 Oct 2024 14:52
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:05:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 14:00:05 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	176781	124.237	ug/l	88
42) 1,2-Dichloroethane	8.158	62	582749	163.063	ug/l	94
43) Isopropyl Acetate	8.195	43	679605	171.562	ug/l #	78
44) Trichloroethene	8.866	130	482450	159.766	ug/l	88
45) 1,2-Dichloropropane	9.140	63	508168	164.358	ug/l	96
46) Dibromomethane	9.231	93	273750	163.933	ug/l	89
47) Bromodichloromethane	9.420	83	727941	167.201	ug/l	98
48) Methyl methacrylate	9.219	41	328446	183.056	ug/l #	81
49) 1,4-Dioxane	9.225	88	58592	3527.312	ug/l #	91
51) 4-Methyl-2-Pentanone	9.999	43	1759800	869.690	ug/l	90
52) Toluene	10.170	92	1328982	168.421	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	678432	181.736	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	798700	177.804	ug/l #	85
55) 1,1,2-Trichloroethane	10.573	97	345498	168.601	ug/l	96
56) Ethyl methacrylate	10.438	69	541087	193.260	ug/l #	75
57) 1,3-Dichloropropane	10.713	76	626765	165.943	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	1258516	881.311	ug/l	92
59) 2-Hexanone	10.755	43	1268082	883.076	ug/l	88
60) Dibromochloromethane	10.908	129	455170	176.635	ug/l	100
61) 1,2-Dibromoethane	11.012	107	317856	165.371	ug/l	99
64) Tetrachloroethene	10.646	164	422849	159.062	ug/l	92
65) Chlorobenzene	11.438	112	1384830	162.267	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	456266	169.965	ug/l	99
67) Ethyl Benzene	11.518	91	2617908	165.261	ug/l	98
68) m/p-Xylenes	11.627	106	1926635	333.611	ug/l	91
69) o-Xylene	11.950	106	917838	168.666	ug/l	91
70) Styrene	11.969	104	1569103	177.165	ug/l	96
71) Bromoform	12.127	173	240850	180.255	ug/l #	97
73) Isopropylbenzene	12.249	105	2439942	165.379	ug/l	98
74) N-amyl acetate	12.066	43	665656	191.782	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	408694	157.141	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	271515m	85.825	ug/l	
77) Bromobenzene	12.530	156	492090	165.517	ug/l	82
78) n-propylbenzene	12.591	91	2991377	162.082	ug/l	97
79) 2-Chlorotoluene	12.676	91	1681376	164.578	ug/l	93
80) 1,3,5-Trimethylbenzene	12.731	105	1967127	166.529	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.298	75	137971	176.265	ug/l #	87
82) 4-Chlorotoluene	12.773	91	1719250	165.709	ug/l	94
83) tert-Butylbenzene	12.993	119	1718909	166.274	ug/l	93
84) 1,2,4-Trimethylbenzene	13.042	105	1981367	170.976	ug/l	96
85) sec-Butylbenzene	13.170	105	2613388	164.305	ug/l	97
86) p-Isopropyltoluene	13.285	119	2161709	171.493	ug/l	95
87) 1,3-Dichlorobenzene	13.285	146	1008488	167.149	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	975162	160.247	ug/l	96
89) n-Butylbenzene	13.615	91	2158102	171.071	ug/l	98
90) Hexachloroethane	13.877	117	421230	168.105	ug/l	85
91) 1,2-Dichlorobenzene	13.657	146	869621	165.525	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	63821	164.750	ug/l	76
93) 1,2,4-Trichlorobenzene	14.919	180	508720	189.243	ug/l	97
94) Hexachlorobutadiene	15.023	225	259405	170.763	ug/l	98
95) Naphthalene	15.139	128	1003119	208.860	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	428513	187.541	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:05:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

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

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

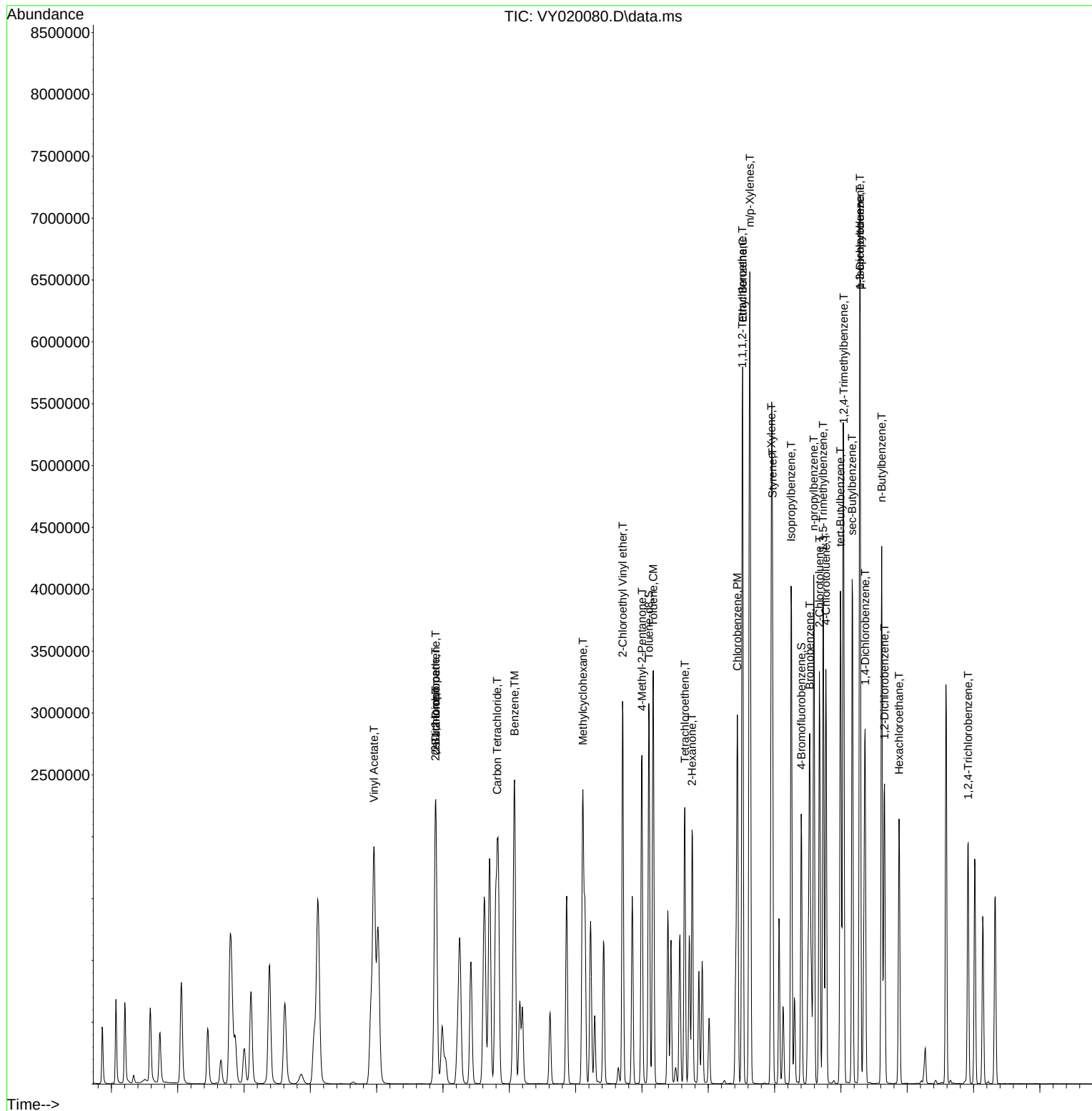
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:05:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020082.D
 Acq On : 30 Oct 2024 15:47
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103024

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 15:29:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	473201	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	859474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	749198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	323321	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310615	52.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.180%
35) Dibromofluoromethane	7.634	113	274061	50.153	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.300%
50) Toluene-d8	10.103	98	1103339	50.725	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.460%
62) 4-Bromofluorobenzene	12.402	95	351612	49.768	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	99.540%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	120512	27.512	ug/l	98
3) Chloromethane	2.068	50	210255	28.978	ug/l	100
4) Vinyl Chloride	2.202	62	232365	29.832	ug/l	98
5) Bromomethane	2.598	94	148623	28.740	ug/l	100
6) Chloroethane	2.739	64	145709	28.986	ug/l	99
7) Trichlorofluoromethane	3.062	101	288596	30.329	ug/l	97
8) Diethyl Ether	3.458	74	76537	28.839	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.818	101	161253	30.214	ug/l	90
10) Methyl Iodide	4.007	142	148079	28.738	ug/l #	89
11) Tert butyl alcohol	4.866	59	50077	117.881	ug/l #	83
12) 1,1-Dichloroethene	3.793	96	155938	30.538	ug/l #	83
13) Acrolein	3.653	56	65380	123.633	ug/l	99
14) Allyl chloride	4.385	41	281369	30.540	ug/l #	91
15) Acrylonitrile	5.055	53	169656	140.436	ug/l	97
16) Acetone	3.866	43	202777	147.642	ug/l #	87
17) Carbon Disulfide	4.110	76	511874	30.122	ug/l	99
18) Methyl Acetate	4.391	43	89321	27.718	ug/l #	87
19) Methyl tert-butyl Ether	5.116	73	373674	29.087	ug/l	96
20) Methylene Chloride	4.616	84	162543	26.345	ug/l #	79
21) trans-1,2-Dichloroethene	5.116	96	172847	30.014	ug/l	87
22) Diisopropyl ether	6.019	45	567160	29.665	ug/l	89
23) Vinyl Acetate	5.964	43	1600445	148.749	ug/l #	90
24) 1,1-Dichloroethane	5.921	63	328973	29.716	ug/l	95
25) 2-Butanone	6.890	43	260961	140.170	ug/l #	84
26) 2,2-Dichloropropane	6.884	77	277277	30.103	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	196528	29.687	ug/l	83
28) Bromochloromethane	7.244	49	137380	26.502	ug/l #	71
29) Tetrahydrofuran	7.262	42	150159	139.758	ug/l #	81
30) Chloroform	7.421	83	321845	29.297	ug/l	100
31) Cyclohexane	7.701	56	319127	29.776	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	290109	30.248	ug/l	94
36) 1,1-Dichloropropene	7.835	75	252441	29.905	ug/l	94
37) Ethyl Acetate	6.982	43	108369	26.927	ug/l	95
38) Carbon Tetrachloride	7.817	117	255169	30.060	ug/l	99
39) Methylcyclohexane	9.109	83	325568	30.388	ug/l #	89
40) Benzene	8.079	78	717780	29.132	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020082.D
 Acq On : 30 Oct 2024 15:47
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103024

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 15:29:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	63419	31.457	ug/l #	79
42) 1,2-Dichloroethane	8.158	62	191476	28.075	ug/l	93
43) Isopropyl Acetate	8.195	43	215480	27.843	ug/l #	78
44) Trichloroethene	8.866	130	162773	28.504	ug/l	85
45) 1,2-Dichloropropane	9.140	63	168774	28.630	ug/l	97
46) Dibromomethane	9.231	93	89880	28.139	ug/l	88
47) Bromodichloromethane	9.420	83	240667	28.761	ug/l #	98
48) Methyl methacrylate	9.219	41	102609	28.624	ug/l #	80
49) 1,4-Dioxane	9.225	88	17875	543.556	ug/l #	89
51) 4-Methyl-2-Pentanone	10.000	43	560878	140.651	ug/l	89
52) Toluene	10.170	92	456965	30.087	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	214547	29.035	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	257134	29.155	ug/l #	85
55) 1,1,2-Trichloroethane	10.573	97	114405	28.807	ug/l	98
56) Ethyl methacrylate	10.438	69	166233	29.180	ug/l #	73
57) 1,3-Dichloropropane	10.713	76	205867	28.306	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	376129	133.877	ug/l	92
59) 2-Hexanone	10.762	43	408349	142.834	ug/l	87
60) Dibromochloromethane	10.908	129	145391	28.720	ug/l	99
61) 1,2-Dibromoethane	11.012	107	101472	27.501	ug/l	99
64) Tetrachloroethene	10.646	164	144117	29.134	ug/l	94
65) Chlorobenzene	11.438	112	466643	29.232	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	147606	28.941	ug/l	99
67) Ethyl Benzene	11.518	91	892211	29.899	ug/l	98
68) m/p-Xylenes	11.627	106	660200	60.470	ug/l	91
69) o-Xylene	11.950	106	310053	29.996	ug/l	92
70) Styrene	11.969	104	523115	30.608	ug/l	95
71) Bromoform	12.133	173	77218	29.512	ug/l #	94
73) Isopropylbenzene	12.255	105	846459	32.772	ug/l	98
74) N-amyl acetate	12.072	43	205663	31.854	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	134581	29.793	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	92645m	30.568	ug/l	
77) Bromobenzene	12.530	156	162960	31.197	ug/l	82
78) n-propylbenzene	12.591	91	1066407	33.175	ug/l	97
79) 2-Chlorotoluene	12.676	91	579585	32.482	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	686904	33.126	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	43078	30.573	ug/l #	84
82) 4-Chlorotoluene	12.773	91	594632	32.684	ug/l	94
83) tert-Butylbenzene	12.993	119	615613	33.952	ug/l	94
84) 1,2,4-Trimethylbenzene	13.042	105	674768	32.854	ug/l	97
85) sec-Butylbenzene	13.176	105	941389	33.819	ug/l	97
86) p-Isopropyltoluene	13.292	119	756263	33.856	ug/l	96
87) 1,3-Dichlorobenzene	13.286	146	340750	32.111	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	336322	31.826	ug/l	96
89) n-Butylbenzene	13.615	91	776354	34.671	ug/l	97
90) Hexachloroethane	13.877	117	145909	33.029	ug/l	83
91) 1,2-Dichlorobenzene	13.657	146	294420	31.920	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20485	29.903	ug/l	72
93) 1,2,4-Trichlorobenzene	14.919	180	163820	33.062	ug/l	98
94) Hexachlorobutadiene	15.023	225	91247	33.677	ug/l	97
95) Naphthalene	15.145	128	301585	32.560	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	136291	32.403	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVY103024

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

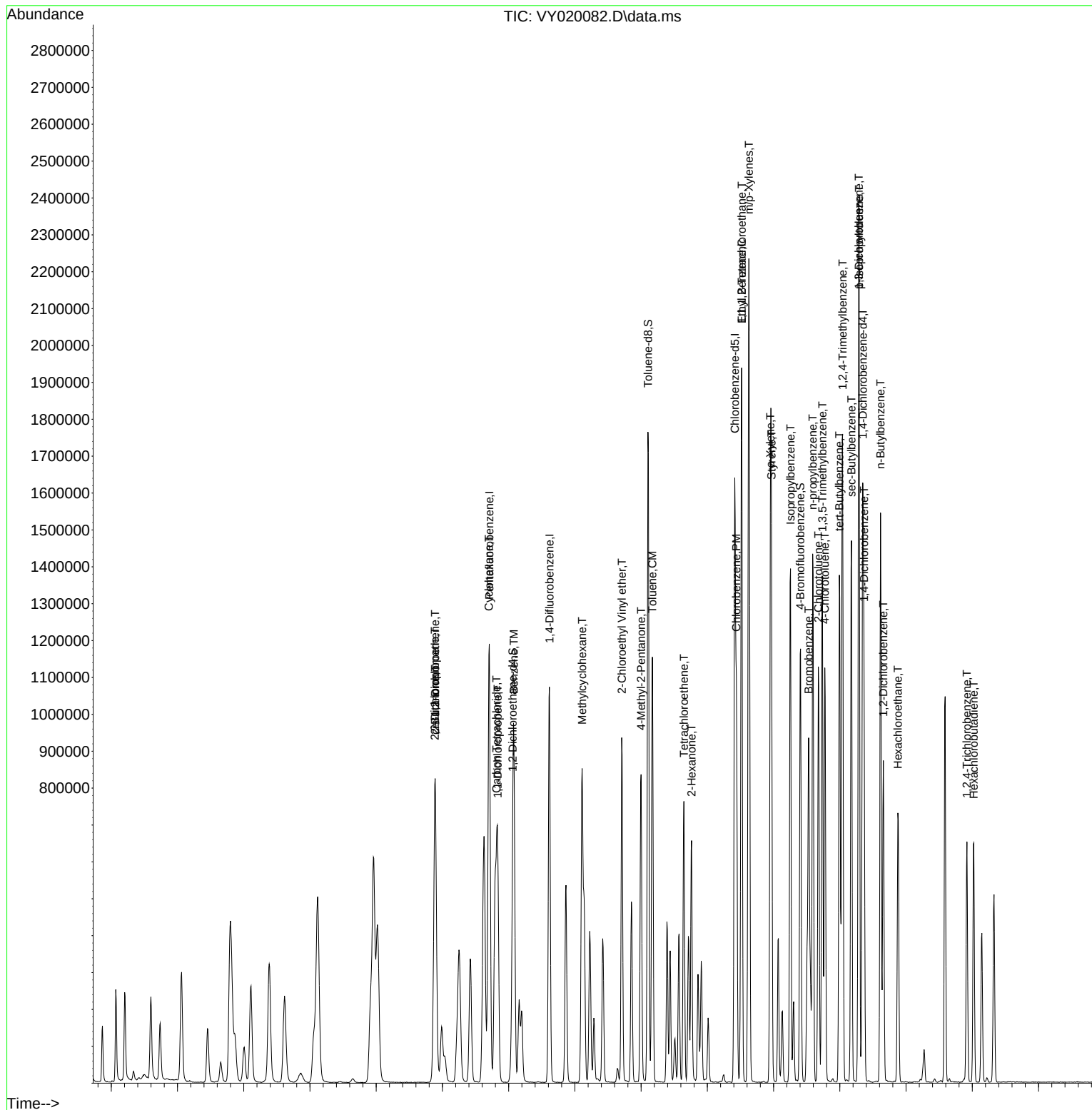
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Manual Integrations

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020082.D
 Acq On : 30 Oct 2024 15:47
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY103024

Quant Time: Oct 31 15:29:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 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	187#	0.00
2 T	Dichlorodifluoromethane	0.463	0.255	44.9#	125	0.00
3 P	Chloromethane	0.767	0.444	42.1#	122	0.00
4 C	Vinyl Chloride	0.823	0.491	40.3#	122	0.00
5 T	Bromomethane	0.546	0.314	42.5#	122	0.00
6 T	Chloroethane	0.531	0.308	42.0#	118	0.00
7 T	Trichlorofluoromethane	1.005	0.610	39.3#	123	0.00
8 T	Diethyl Ether	0.280	0.162	42.1#	120	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.564	0.341	39.5#	125	0.00
10 T	Methyl Iodide	0.544	0.313	42.5#	113	0.00
11 T	Tert butyl alcohol	0.045	0.021	53.3#	120	0.00
12 CM	1,1-Dichloroethene	0.540	0.330	38.9#	125	0.00
13 T	Acrolein	0.056	0.028	50.0#	104	0.00
14 T	Allyl chloride	0.973	0.595	38.8#	121	0.00
15 T	Acrylonitrile	0.128	0.072	43.8#	115	0.00
16 T	Acetone	0.145	0.086	40.7#	115	0.00
17 T	Carbon Disulfide	1.796	1.082	39.8#	121	0.00
18 T	Methyl Acetate	0.340	0.189	44.4#	111	0.00
19 T	Methyl tert-butyl Ether	1.357	0.790	41.8#	119	0.00
20 T	Methylene Chloride	0.652	0.343	47.4#	116	0.00
21 T	trans-1,2-Dichloroethene	0.609	0.365	40.1#	121	0.00
22 T	Diisopropyl ether	2.020	1.199	40.6#	118	0.00
23 T	Vinyl Acetate	1.137	0.676	40.5#	120	0.00
24 P	1,1-Dichloroethane	1.170	0.695	40.6#	121	0.00
25 T	2-Butanone	0.197	0.110	44.2#	115	0.00
26 T	2,2-Dichloropropane	0.973	0.586	39.8#	124	0.00
27 T	cis-1,2-Dichloroethene	0.700	0.415	40.7#	120	0.00
28 T	Bromochloromethane	0.548	0.290	47.1#	108	0.00
29 T	Tetrahydrofuran	0.114	0.063	44.7#	114	0.00
30 C	Chloroform	1.161	0.680	41.4#	119	0.00
31 T	Cyclohexane	1.132	0.674	40.5#	128	0.00
32 T	1,1,1-Trichloroethane	1.013	0.613	39.5#	121	0.00
33 S	1,2-Dichloroethane-d4	0.624	0.656	-5.1	209#	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	191#	0.00
35 S	Dibromofluoromethane	0.318	0.319	-0.3	200#	0.00
36 T	1,1-Dichloropropene	0.491	0.294	40.1#	125	0.00
37 T	Ethyl Acetate	0.234	0.126	46.2#	115	0.00
38 T	Carbon Tetrachloride	0.494	0.297	39.9#	123	0.00
39 T	Methylcyclohexane	0.623	0.379	39.2#	125	0.00
40 TM	Benzene	1.433	0.835	41.7#	121	0.00
41 T	Methacrylonitrile	0.117	0.074	36.8#	119	0.00
42 TM	1,2-Dichloroethane	0.397	0.223	43.8#	117	0.00
43 T	Isopropyl Acetate	0.450	0.251	44.2#	116	0.00
44 TM	Trichloroethene	0.332	0.189	43.1#	118	0.00
45 C	1,2-Dichloropropane	0.343	0.196	42.9#	118	0.00
46 T	Dibromomethane	0.186	0.105	43.5#	117	0.00
47 T	Bromodichloromethane	0.487	0.280	42.5#	119	0.00
48 T	Methyl methacrylate	0.209	0.119	43.1#	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020082.D
 Acq On : 30 Oct 2024 15:47
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY103024

Quant Time: Oct 31 15:29:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 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	0.002	0.001	50.0#	114	0.00
50 S	Toluene-d8	1.265	1.284	-1.5	201#	0.00
51 T	4-Methyl-2-Pentanone	0.232	0.131	43.5#	114	0.00
52 CM	Toluene	0.884	0.532	39.8#	122	0.00
53 T	t-1,3-Dichloropropene	0.430	0.250	41.9#	119	0.00
54 T	cis-1,3-Dichloropropene	0.513	0.299	41.7#	118	0.00
55 T	1,1,2-Trichloroethane	0.231	0.133	42.4#	118	0.00
56 T	Ethyl methacrylate	0.331	0.193	41.7#	118	0.00
57 T	1,3-Dichloropropane	0.423	0.240	43.3#	117	0.00
58 T	2-Chloroethyl Vinyl ether	0.163	0.088	46.0#	105	0.00
59 T	2-Hexanone	0.166	0.095	42.8#	115	0.00
60 T	Dibromochloromethane	0.295	0.169	42.7#	119	0.00
61 T	1,2-Dibromoethane	0.215	0.118	45.1#	116	0.00
62 S	4-Bromofluorobenzene	0.411	0.409	0.5	196#	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	192#	0.00
64 T	Tetrachloroethene	0.330	0.192	41.8#	120	0.00
65 PM	Chlorobenzene	1.065	0.623	41.5#	120	0.00
66 T	1,1,1,2-Tetrachloroethane	0.340	0.197	42.1#	119	0.00
67 C	Ethyl Benzene	1.992	1.191	40.2#	122	0.00
68 T	m/p-Xylenes	0.729	0.441	39.5#	122	0.00
69 T	o-Xylene	0.690	0.414	40.0#	122	0.00
70 T	Styrene	1.141	0.698	38.8#	122	0.00
71 P	Bromoform	0.175	0.103	41.1#	120	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	172#	0.00
73 T	Isopropylbenzene	3.994	2.618	34.5#	122	0.00
74 T	N-amyl acetate	0.998	0.636	36.3#	119	0.00
75 P	1,1,2,2-Tetrachloroethane	0.699	0.416	40.5#	115	0.00
76 T	1,2,3-Trichloropropane	0.469	0.287	38.8#	115	0.00
77 T	Bromobenzene	0.808	0.504	37.6#	117	0.00
78 T	n-propylbenzene	4.971	3.298	33.7#	124	0.00
79 T	2-Chlorotoluene	2.759	1.793	35.0#	123	0.00
80 T	1,3,5-Trimethylbenzene	3.207	2.125	33.7#	123	0.00
81 T	trans-1,4-Dichloro-2-butene	0.218	0.133	39.0#	116	0.00
82 T	4-Chlorotoluene	2.813	1.839	34.6#	122	0.00
83 T	tert-Butylbenzene	2.804	1.904	32.1#	123	0.00
84 T	1,2,4-Trimethylbenzene	3.176	2.087	34.3#	122	0.00
85 T	sec-Butylbenzene	4.305	2.912	32.4#	125	0.00
86 T	p-Isopropyltoluene	3.454	2.339	32.3#	125	0.00
87 T	1,3-Dichlorobenzene	1.641	1.054	35.8#	120	0.00
88 T	1,4-Dichlorobenzene	1.634	1.040	36.4#	121	0.00
89 T	n-Butylbenzene	3.463	2.401	30.7#	127	0.00
90 T	Hexachloroethane	0.683	0.451	34.0#	124	0.00
91 T	1,2-Dichlorobenzene	1.426	0.911	36.1#	120	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.106	0.063	40.6#	119	0.00
93 T	1,2,4-Trichlorobenzene	0.766	0.507	33.8#	126	0.00
94 T	Hexachlorobutadiene	0.419	0.282	32.7#	125	0.00
95 T	Naphthalene	1.432	0.933	34.8#	121	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 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	0.650	0.422	35.1#	126	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020082.D
 Acq On : 30 Oct 2024 15:47
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103024

Quant Time: Oct 31 15:29:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 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	187	0.00
2 T	Dichlorodifluoromethane	50.000	27.512	45.0#	125	0.00
3 P	Chloromethane	50.000	28.978	42.0#	122	0.00
4 C	Vinyl Chloride	50.000	29.832	40.3#	122	0.00
5 T	Bromomethane	50.000	28.740	42.5#	122	0.00
6 T	Chloroethane	50.000	28.986	42.0#	118	0.00
7 T	Trichlorofluoromethane	50.000	30.329	39.3#	123	0.00
8 T	Diethyl Ether	50.000	28.839	42.3#	120	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	30.214	39.6#	125	0.00
10 T	Methyl Iodide	50.000	28.738	42.5#	113	0.00
11 T	Tert butyl alcohol	250.000	117.881	52.8#	120	0.00
12 CM	1,1-Dichloroethene	50.000	30.538	38.9#	125	0.00
13 T	Acrolein	250.000	123.633	50.5#	104	0.00
14 T	Allyl chloride	50.000	30.540	38.9#	121	0.00
15 T	Acrylonitrile	250.000	140.436	43.8#	115	0.00
16 T	Acetone	250.000	147.642	40.9#	115	0.00
17 T	Carbon Disulfide	50.000	30.122	39.8#	121	0.00
18 T	Methyl Acetate	50.000	27.718	44.6#	111	0.00
19 T	Methyl tert-butyl Ether	50.000	29.087	41.8#	119	0.00
20 T	Methylene Chloride	50.000	26.345	47.3#	116	0.00
21 T	trans-1,2-Dichloroethene	50.000	30.014	40.0#	121	0.00
22 T	Diisopropyl ether	50.000	29.665	40.7#	118	0.00
23 T	Vinyl Acetate	250.000	148.749	40.5#	120	0.00
24 P	1,1-Dichloroethane	50.000	29.716	40.6#	121	0.00
25 T	2-Butanone	250.000	140.170	43.9#	115	0.00
26 T	2,2-Dichloropropane	50.000	30.103	39.8#	124	0.00
27 T	cis-1,2-Dichloroethene	50.000	29.687	40.6#	120	0.00
28 T	Bromochloromethane	50.000	26.502	47.0#	108	0.00
29 T	Tetrahydrofuran	250.000	139.758	44.1#	114	0.00
30 C	Chloroform	50.000	29.297	41.4#	119	0.00
31 T	Cyclohexane	50.000	29.776	40.4#	128	0.00
32 T	1,1,1-Trichloroethane	50.000	30.248	39.5#	121	0.00
33 S	1,2-Dichloroethane-d4	50.000	52.594	-5.2	209	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	191	0.00
35 S	Dibromofluoromethane	50.000	50.153	-0.3	200	0.00
36 T	1,1-Dichloropropene	50.000	29.905	40.2#	125	0.00
37 T	Ethyl Acetate	50.000	26.927	46.1#	115	0.00
38 T	Carbon Tetrachloride	50.000	30.060	39.9#	123	0.00
39 T	Methylcyclohexane	50.000	30.388	39.2#	125	0.00
40 TM	Benzene	50.000	29.132	41.7#	121	0.00
41 T	Methacrylonitrile	50.000	31.457	37.1#	119	0.00
42 TM	1,2-Dichloroethane	50.000	28.075	43.9#	117	0.00
43 T	Isopropyl Acetate	50.000	27.843	44.3#	116	0.00
44 TM	Trichloroethene	50.000	28.504	43.0#	118	0.00
45 C	1,2-Dichloropropane	50.000	28.630	42.7#	118	0.00
46 T	Dibromomethane	50.000	28.139	43.7#	117	0.00
47 T	Bromodichloromethane	50.000	28.761	42.5#	119	0.00
48 T	Methyl methacrylate	50.000	28.624	42.8#	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020082.D
 Acq On : 30 Oct 2024 15:47
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103024

Quant Time: Oct 31 15:29:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 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	543.556	45.6#	114	0.00
50 S	Toluene-d8	50.000	50.725	-1.5	201	0.00
51 T	4-Methyl-2-Pentanone	250.000	140.651	43.7#	114	0.00
52 CM	Toluene	50.000	30.087	39.8#	122	0.00
53 T	t-1,3-Dichloropropene	50.000	29.035	41.9#	119	0.00
54 T	cis-1,3-Dichloropropene	50.000	29.155	41.7#	118	0.00
55 T	1,1,2-Trichloroethane	50.000	28.807	42.4#	118	0.00
56 T	Ethyl methacrylate	50.000	29.180	41.6#	118	0.00
57 T	1,3-Dichloropropane	50.000	28.306	43.4#	117	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	133.877	46.4#	105	0.00
59 T	2-Hexanone	250.000	142.834	42.9#	115	0.00
60 T	Dibromochloromethane	50.000	28.720	42.6#	119	0.00
61 T	1,2-Dibromoethane	50.000	27.501	45.0#	116	0.00
62 S	4-Bromofluorobenzene	50.000	49.768	0.5	196	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	192	0.00
64 T	Tetrachloroethene	50.000	29.134	41.7#	120	0.00
65 PM	Chlorobenzene	50.000	29.232	41.5#	120	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	28.941	42.1#	119	0.00
67 C	Ethyl Benzene	50.000	29.899	40.2#	122	0.00
68 T	m/p-Xylenes	100.000	60.470	39.5#	122	0.00
69 T	o-Xylene	50.000	29.996	40.0#	122	0.00
70 T	Styrene	50.000	30.608	38.8#	122	0.00
71 P	Bromoform	50.000	29.512	41.0#	120	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	172	0.00
73 T	Isopropylbenzene	50.000	32.772	34.5#	122	0.00
74 T	N-amyl acetate	50.000	31.854	36.3#	119	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	29.793	40.4#	115	0.00
76 T	1,2,3-Trichloropropane	50.000	30.568	38.9#	115	0.00
77 T	Bromobenzene	50.000	31.197	37.6#	117	0.00
78 T	n-propylbenzene	50.000	33.175	33.7#	124	0.00
79 T	2-Chlorotoluene	50.000	32.482	35.0#	123	0.00
80 T	1,3,5-Trimethylbenzene	50.000	33.126	33.7#	123	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	30.573	38.9#	116	0.00
82 T	4-Chlorotoluene	50.000	32.684	34.6#	122	0.00
83 T	tert-Butylbenzene	50.000	33.952	32.1#	123	0.00
84 T	1,2,4-Trimethylbenzene	50.000	32.854	34.3#	122	0.00
85 T	sec-Butylbenzene	50.000	33.819	32.4#	125	0.00
86 T	p-Isopropyltoluene	50.000	33.856	32.3#	125	0.00
87 T	1,3-Dichlorobenzene	50.000	32.111	35.8#	120	0.00
88 T	1,4-Dichlorobenzene	50.000	31.826	36.3#	121	0.00
89 T	n-Butylbenzene	50.000	34.671	30.7#	127	0.00
90 T	Hexachloroethane	50.000	33.029	33.9#	124	0.00
91 T	1,2-Dichlorobenzene	50.000	31.920	36.2#	120	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	29.903	40.2#	119	0.00
93 T	1,2,4-Trichlorobenzene	50.000	33.062	33.9#	126	0.00
94 T	Hexachlorobutadiene	50.000	33.677	32.6#	125	0.00
95 T	Naphthalene	50.000	32.560	34.9#	121	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 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	32.403	35.2#	126	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: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: MSVOA_D Calibration Date/Time: 11/17/2024 13:28

Lab File ID: VD080038.D Init. Calib. Date(s): 11/14/2024 11/15/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 18:02 12:18

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.405		-0.74	20
Chloromethane	0.300	0.271	0.1	-9.67	20
Vinyl Chloride	0.347	0.337		-2.88	20
Bromomethane	0.404	0.350		-13.37	20
Chloroethane	0.242	0.278		14.88	20
Trichlorofluoromethane	0.842	0.895		6.3	20
1,1,2-Trichlorotrifluoroethane	0.529	0.533		0.76	20
1,1-Dichloroethene	0.519	0.541		4.24	20
Acetone	0.115	0.132		14.78	20
Carbon Disulfide	1.689	1.748		3.49	20
Methyl tert-butyl Ether	1.049	1.146		9.25	20
Methyl Acetate	0.243	0.267		9.88	20
Methylene Chloride	0.619	0.621		0.32	20
trans-1,2-Dichloroethene	0.577	0.597		3.47	20
1,1-Dichloroethane	0.992	1.009	0.1	1.71	20
Cyclohexane	0.840	0.849		1.07	20
2-Butanone	0.150	0.149		-0.67	20
Carbon Tetrachloride	0.516	0.486		-5.81	20
cis-1,2-Dichloroethene	0.663	0.687		3.62	20
Bromochloromethane	0.443	0.433		-2.26	20
Chloroform	1.073	1.075		0.19	20
1,1,1-Trichloroethane	0.906	0.929		2.54	20
Methylcyclohexane	0.555	0.603		8.65	20
Benzene	1.463	1.405		-3.96	20
1,2-Dichloroethane	0.381	0.361		-5.25	20
Trichloroethene	0.378	0.372		-1.59	20
1,2-Dichloropropane	0.350	0.347		-0.86	20
Bromodichloromethane	0.512	0.496		-3.13	20
4-Methyl-2-Pentanone	0.183	0.185		1.09	20
Toluene	0.910	1.005		10.44	20
t-1,3-Dichloropropene	0.450	0.444		-1.33	20
cis-1,3-Dichloropropene	0.536	0.756		41.04	20
1,1,2-Trichloroethane	0.272	0.268		-1.47	20
2-Hexanone	0.137	0.152		10.95	20
Dibromochloromethane	0.355	0.349		-1.69	20
1,2-Dibromoethane	0.256	0.258		0.78	20
Tetrachloroethene	0.367	0.373		1.63	20
Chlorobenzene	1.118	1.126	0.3	0.72	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: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: MSVOA_D Calibration Date/Time: 11/17/2024 13:28

Lab File ID: VD080038.D Init. Calib. Date(s): 11/14/2024 11/15/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 18:02 12:18

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.863	1.940		4.13	20
m/p-Xylenes	0.731	0.770		5.34	20
o-Xylene	0.661	0.688		4.09	20
Styrene	1.177	1.236		5.01	20
Bromoform	0.227	0.225	0.1	-0.88	20
Isopropylbenzene	3.255	3.582		10.05	20
1,1,2,2-Tetrachloroethane	0.627	0.650	0.3	3.67	20
1,3-Dichlorobenzene	1.743	1.806		3.61	20
1,4-Dichlorobenzene	1.753	1.775		1.25	20
1,2-Dichlorobenzene	1.522	1.547		1.64	20
1,2-Dibromo-3-Chloropropane	0.095	0.103		8.42	20
1,2,4-Trichlorobenzene	0.943	1.100		16.65	20
1,2,3-Trichlorobenzene	0.824	0.907		10.07	20
1,2-Dichloroethane-d4	0.514	0.454		-11.67	20
Dibromofluoromethane	0.334	0.277		-17.07	20
Toluene-d8	1.259	1.157		-8.1	20
4-Bromofluorobenzene	0.418	0.377		-9.81	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_D\Data\VD111724\
 Data File : VD080038.D
 Acq On : 17 Nov 2024 13:28
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 18 04:20:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	207094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	343737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	311195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	158443	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.228	65	94007	44.088	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.180%
35) Dibromofluoromethane	7.805	113	95235	41.629	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.260%
50) Toluene-d8	10.269	98	397825	46.139	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.280%
62) 4-Bromofluorobenzene	12.569	95	129748	45.866	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.740%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	83839	50.442	ug/l	98
3) Chloromethane	2.152	50	56118	45.913	ug/l	94
4) Vinyl Chloride	2.287	62	69883	50.081	ug/l	94
5) Bromomethane	2.693	94	72412	49.853	ug/l	100
6) Chloroethane	2.840	64	57667	57.816	ug/l	93
7) Trichlorofluoromethane	3.175	101	185444	54.107	ug/l	98
8) Diethyl Ether	3.593	74	54652	54.624	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.969	101	110413	51.570	ug/l	97
10) Methyl Iodide	4.164	142	144415	54.494	ug/l	96
11) Tert butyl alcohol	5.052	59	29204	263.190	ug/l #	88
12) 1,1-Dichloroethene	3.940	96	112046	52.214	ug/l	96
13) Acrolein	3.793	56	48233	226.538	ug/l	100
14) Allyl chloride	4.564	41	160962	52.916	ug/l	97
15) Acrylonitrile	5.258	53	118571	266.767	ug/l	100
16) Acetone	4.022	43	137125	296.400	ug/l	94
17) Carbon Disulfide	4.269	76	361977	52.386	ug/l	99
18) Methyl Acetate	4.564	43	55342	53.938	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	237291	54.203	ug/l	99
20) Methylene Chloride	4.799	84	128606	51.834	ug/l	98
21) trans-1,2-Dichloroethene	5.316	96	123564	52.087	ug/l	97
22) Diisopropyl ether	6.216	45	333245	54.101	ug/l	99
23) Vinyl Acetate	6.152	43	979795	277.638	ug/l	98
24) 1,1-Dichloroethane	6.111	63	208919	50.996	ug/l	98
25) 2-Butanone	7.081	43	153773	254.355	ug/l	96
26) 2,2-Dichloropropane	7.075	77	179843	50.502	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	142286	52.265	ug/l	95
28) Bromochloromethane	7.422	49	89606	49.149	ug/l #	86
29) Tetrahydrofuran	7.446	42	89177	269.287	ug/l	96
30) Chloroform	7.593	83	222703	51.599	ug/l	98
31) Cyclohexane	7.875	56	175738	50.614	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	192368	52.082	ug/l	99
36) 1,1-Dichloropropene	8.005	75	157165	50.242	ug/l	99
37) Ethyl Acetate	7.169	43	62227	46.280	ug/l #	96
38) Carbon Tetrachloride	7.993	117	167029	48.871	ug/l	93
39) Methylcyclohexane	9.275	83	207293	55.659	ug/l	97
40) Benzene	8.252	78	482870	49.522	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
 Data File : VD080038.D
 Acq On : 17 Nov 2024 13:28
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024

Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 18 04:20:28 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M

Quant Title : SW846 8260

QLast Update : Fri Nov 15 16:25:47 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	35839	49.391	ug/l	96
42) 1,2-Dichloroethane	8.322	62	124069	49.167	ug/l	98
43) Isopropyl Acetate	8.357	43	124911	51.248	ug/l	99
44) Trichloroethene	9.028	130	127961	50.715	ug/l	92
45) 1,2-Dichloropropane	9.304	63	119307	50.916	ug/l	95
46) Dibromomethane	9.393	93	67416	49.464	ug/l	97
47) Bromodichloromethane	9.581	83	170389	49.946	ug/l	98
48) Methyl methacrylate	9.381	41	64422	55.365	ug/l	97
49) 1,4-Dioxane	9.387	88	14958	1196.381	ug/l	89
51) 4-Methyl-2-Pentanone	10.157	43	317581	256.819	ug/l	96
52) Toluene	10.334	92	345566	57.030	ug/l	80
53) t-1,3-Dichloropropene	10.551	75	152624	50.188	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	259931	72.196	ug/l	96
55) 1,1,2-Trichloroethane	10.728	97	92163	51.113	ug/l	96
56) Ethyl methacrylate	10.599	69	114113	54.424	ug/l #	89
57) 1,3-Dichloropropane	10.875	76	151191	51.544	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	225188	283.963	ug/l	95
59) 2-Hexanone	10.916	43	260875	286.809	ug/l	98
60) Dibromochloromethane	11.075	129	119875	51.650	ug/l	100
61) 1,2-Dibromoethane	11.181	107	88646	52.142	ug/l	98
64) Tetrachloroethene	10.810	164	116221	52.443	ug/l	99
65) Chlorobenzene	11.604	112	350464	51.627	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	120936	51.179	ug/l	98
67) Ethyl Benzene	11.681	91	603644	52.996	ug/l	96
68) m/p-Xylenes	11.793	106	479093	107.626	ug/l	99
69) o-Xylene	12.122	106	214237	53.540	ug/l	98
70) Styrene	12.134	104	384619	53.853	ug/l	100
71) Bromoform	12.298	173	70029	50.264	ug/l #	100
73) Isopropylbenzene	12.422	105	567528	55.543	ug/l	99
74) N-amyl acetate	12.234	43	124871	55.464	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	103045	52.476	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	71635m	51.201	ug/l	
77) Bromobenzene	12.698	156	140848	53.043	ug/l	99
78) n-propylbenzene	12.763	91	697617	55.246	ug/l	99
79) 2-Chlorotoluene	12.845	91	406511	54.896	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	476525	55.105	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	37428	54.751	ug/l	99
82) 4-Chlorotoluene	12.945	91	424499	53.623	ug/l	97
83) tert-Butylbenzene	13.163	119	419169	55.968	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	484830	55.810	ug/l	100
85) sec-Butylbenzene	13.345	105	612629	55.339	ug/l	97
86) p-Isopropyltoluene	13.457	119	547026	58.458	ug/l	88
87) 1,3-Dichlorobenzene	13.457	146	286135	53.214	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	281260	52.082	ug/l	97
89) n-Butylbenzene	13.787	91	495443	56.278	ug/l	99
90) Hexachloroethane	14.051	117	103916	51.803	ug/l	96
91) 1,2-Dichlorobenzene	13.828	146	245140	52.283	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	16285	54.843	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	174302	59.283	ug/l	99
94) Hexachlorobutadiene	15.204	225	95172	59.892	ug/l	98
95) Naphthalene	15.328	128	305535	61.180	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	143718	55.662	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
Data File : VD080038.D
Acq On : 17 Nov 2024 13:28
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 18 04:20:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

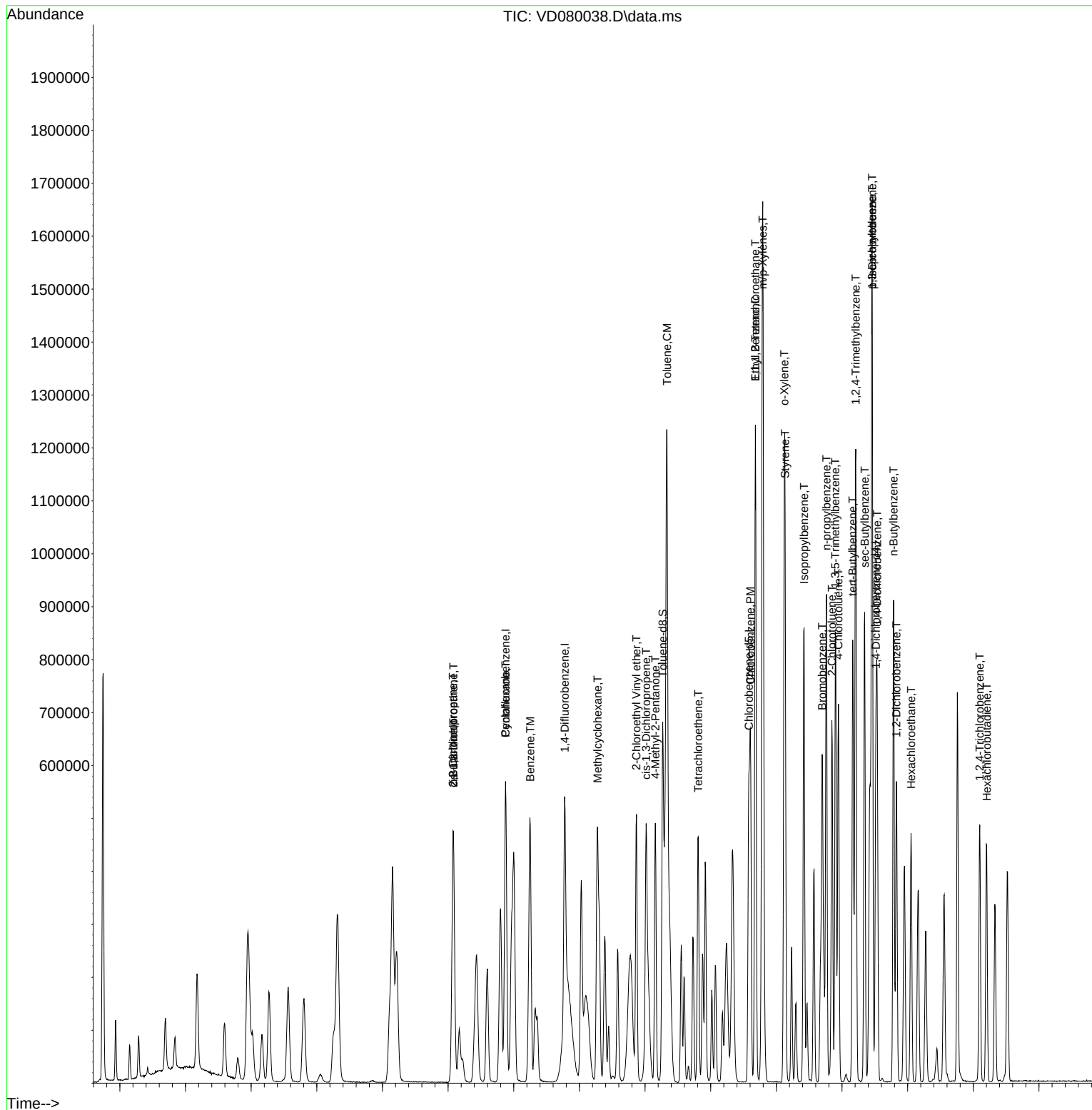
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
 Data File : VD080038.D
 Acq On : 17 Nov 2024 13:28
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 18 04:20:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 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	101	0.00
2 T	Dichlorodifluoromethane	0.401	0.405	-1.0	104	0.00
3 P	Chloromethane	0.295	0.271	8.1	100	0.00
4 C	Vinyl Chloride	0.337	0.337	0.0	106	0.00
5 T	Bromomethane	0.374	0.350	6.4	116	0.00
6 T	Chloroethane	0.241	0.278	-15.4	136	0.00
7 T	Trichlorofluoromethane	0.827	0.895	-8.2	119	0.00
8 T	Diethyl Ether	0.242	0.264	-9.1	118	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.517	0.533	-3.1	112	0.00
10 T	Methyl Iodide	0.640	0.697	-8.9	102	0.00
11 T	Tert butyl alcohol	0.027	0.028	-3.7	125	0.00
12 CM	1,1-Dichloroethene	0.518	0.541	-4.4#	112	0.00
13 T	Acrolein	0.051	0.047	7.8	98	0.00
14 T	Allyl chloride	0.734	0.777	-5.9	124	0.00
15 T	Acrylonitrile	0.107	0.115	-7.5	116	0.00
16 T	Acetone	0.112	0.132	-17.9	127	0.00
17 T	Carbon Disulfide	1.668	1.748	-4.8	114	0.00
18 T	Methyl Acetate	0.248	0.267	-7.7	127	0.00
19 T	Methyl tert-butyl Ether	1.057	1.146	-8.4	107	0.00
20 T	Methylene Chloride	0.599	0.621	-3.7	113	0.00
21 T	trans-1,2-Dichloroethene	0.573	0.597	-4.2	105	0.00
22 T	Diisopropyl ether	1.487	1.609	-8.2	105	0.00
23 T	Vinyl Acetate	0.852	0.946	-11.0	105	0.00
24 P	1,1-Dichloroethane	0.989	1.009	-2.0	105	0.00
25 T	2-Butanone	0.146	0.149	-2.1	98	0.00
26 T	2,2-Dichloropropane	0.860	0.868	-0.9	105	0.00
27 T	cis-1,2-Dichloroethene	0.657	0.687	-4.6	106	0.00
28 T	Bromochloromethane	0.440	0.433	1.6	108	0.00
29 T	Tetrahydrofuran	0.080	0.086	-7.5	103	0.00
30 C	Chloroform	1.042	1.075	-3.2#	107	0.00
31 T	Cyclohexane	0.838	0.849	-1.3	108	0.00
32 T	1,1,1-Trichloroethane	0.892	0.929	-4.1	108	0.00
33 S	1,2-Dichloroethane-d4	0.515	0.454	11.8	88	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
35 S	Dibromofluoromethane	0.333	0.277	16.8	88	0.00
36 T	1,1-Dichloropropene	0.455	0.457	-0.4	108	0.00
37 T	Ethyl Acetate	0.196	0.181	7.7	100	0.00
38 T	Carbon Tetrachloride	0.497	0.486	2.2	106	0.00
39 T	Methylcyclohexane	0.542	0.603	-11.3	117	0.00
40 TM	Benzene	1.418	1.405	0.9	105	0.00
41 T	Methacrylonitrile	0.106	0.104	1.9	108	0.00
42 TM	1,2-Dichloroethane	0.367	0.361	1.6	105	0.00
43 T	Isopropyl Acetate	0.355	0.363	-2.3	106	0.00
44 TM	Trichloroethene	0.367	0.372	-1.4	111	0.00
45 C	1,2-Dichloropropane	0.341	0.347	-1.8#	106	0.00
46 T	Dibromomethane	0.198	0.196	1.0	108	0.00
47 T	Bromodichloromethane	0.496	0.496	0.0	107	0.00
48 T	Methyl methacrylate	0.169	0.187	-10.7	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
 Data File : VD080038.D
 Acq On : 17 Nov 2024 13:28
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 18 04:20:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 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	0.002	0.002	0.0	112	0.00
50 S	Toluene-d8	1.254	1.157	7.7	94	0.00
51 T	4-Methyl-2-Pentanone	0.180	0.185	-2.8	103	0.00
52 CM	Toluene	0.881	1.005	-14.1#	118	0.00
53 T	t-1,3-Dichloropropene	0.442	0.444	-0.5	104	0.00
54 T	cis-1,3-Dichloropropene	0.524	0.756	-44.3#	150#	0.00
55 T	1,1,2-Trichloroethane	0.262	0.268	-2.3	108	0.00
56 T	Ethyl methacrylate	0.305	0.332	-8.9	108	0.00
57 T	1,3-Dichloropropane	0.427	0.440	-3.0	108	0.00
58 T	2-Chloroethyl Vinyl ether	0.115	0.131	-13.9	114	0.00
59 T	2-Hexanone	0.132	0.152	-15.2	111	0.00
60 T	Dibromochloromethane	0.338	0.349	-3.3	107	0.00
61 T	1,2-Dibromoethane	0.247	0.258	-4.5	110	0.00
62 S	4-Bromofluorobenzene	0.411	0.377	8.3	93	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64 T	Tetrachloroethene	0.356	0.373	-4.8	114	0.00
65 PM	Chlorobenzene	1.091	1.126	-3.2	110	0.00
66 T	1,1,1,2-Tetrachloroethane	0.380	0.389	-2.4	107	0.00
67 C	Ethyl Benzene	1.830	1.940	-6.0#	109	0.00
68 T	m/p-Xylenes	0.715	0.770	-7.7	111	0.00
69 T	o-Xylene	0.643	0.688	-7.0	107	0.00
70 T	Styrene	1.148	1.236	-7.7	106	0.00
71 P	Bromoform	0.224	0.225	-0.4	105	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
73 T	Isopropylbenzene	3.224	3.582	-11.1	111	0.00
74 T	N-amyl acetate	0.710	0.788	-11.0	107	0.00
75 P	1,1,2,2-Tetrachloroethane	0.620	0.650	-4.8	108	0.00
76 T	1,2,3-Trichloropropane	0.442	0.452	-2.3	112	0.00
77 T	Bromobenzene	0.838	0.889	-6.1	108	0.00
78 T	n-propylbenzene	3.985	4.403	-10.5	110	0.00
79 T	2-Chlorotoluene	2.337	2.566	-9.8	110	0.00
80 T	1,3,5-Trimethylbenzene	2.729	3.008	-10.2	108	0.00
81 T	trans-1,4-Dichloro-2-butene	0.216	0.236	-9.3	109	0.00
82 T	4-Chlorotoluene	2.498	2.679	-7.2	108	0.00
83 T	tert-Butylbenzene	2.363	2.646	-12.0	112	0.00
84 T	1,2,4-Trimethylbenzene	2.741	3.060	-11.6	109	0.00
85 T	sec-Butylbenzene	3.494	3.867	-10.7	111	0.00
86 T	p-Isopropyltoluene	2.953	3.453	-16.9	116	0.00
87 T	1,3-Dichlorobenzene	1.697	1.806	-6.4	109	0.00
88 T	1,4-Dichlorobenzene	1.704	1.775	-4.2	108	0.00
89 T	n-Butylbenzene	2.778	3.127	-12.6	113	0.00
90 T	Hexachloroethane	0.633	0.656	-3.6	109	0.00
91 T	1,2-Dichlorobenzene	1.480	1.547	-4.5	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.094	0.103	-9.6	114	0.00
93 T	1,2,4-Trichlorobenzene	0.928	1.100	-18.5	121	0.00
94 T	Hexachlorobutadiene	0.501	0.601	-20.0	123	0.00
95 T	Naphthalene	1.576	1.928	-22.3	120	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
Data File : VD080038.D
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Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 04:20:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 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	0.815	0.907	-11.3	111	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
 Data File : VD080038.D
 Acq On : 17 Nov 2024 13:28
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 18 04:20:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 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	101	0.00
2 T	Dichlorodifluoromethane	50.000	50.442	-0.9	104	0.00
3 P	Chloromethane	50.000	45.913	8.2	100	0.00
4 C	Vinyl Chloride	50.000	50.081	-0.2#	106	0.00
5 T	Bromomethane	50.000	49.853	0.3	116	0.00
6 T	Chloroethane	50.000	57.816	-15.6	136	0.00
7 T	Trichlorofluoromethane	50.000	54.107	-8.2	119	0.00
8 T	Diethyl Ether	50.000	54.624	-9.2	118	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.570	-3.1	112	0.00
10 T	Methyl Iodide	50.000	54.494	-9.0	102	0.00
11 T	Tert butyl alcohol	250.000	263.190	-5.3	125	0.00
12 CM	1,1-Dichloroethene	50.000	52.214	-4.4#	112	0.00
13 T	Acrolein	250.000	226.538	9.4	98	0.00
14 T	Allyl chloride	50.000	52.916	-5.8	124	0.00
15 T	Acrylonitrile	250.000	266.767	-6.7	116	0.00
16 T	Acetone	250.000	296.400	-18.6	127	0.00
17 T	Carbon Disulfide	50.000	52.386	-4.8	114	0.00
18 T	Methyl Acetate	50.000	53.938	-7.9	127	0.00
19 T	Methyl tert-butyl Ether	50.000	54.203	-8.4	107	0.00
20 T	Methylene Chloride	50.000	51.834	-3.7	113	0.00
21 T	trans-1,2-Dichloroethene	50.000	52.087	-4.2	105	0.00
22 T	Diisopropyl ether	50.000	54.101	-8.2	105	0.00
23 T	Vinyl Acetate	250.000	277.638	-11.1	105	0.00
24 P	1,1-Dichloroethane	50.000	50.996	-2.0	105	0.00
25 T	2-Butanone	250.000	254.355	-1.7	98	0.00
26 T	2,2-Dichloropropane	50.000	50.502	-1.0	105	0.00
27 T	cis-1,2-Dichloroethene	50.000	52.265	-4.5	106	0.00
28 T	Bromochloromethane	50.000	49.149	1.7	108	0.00
29 T	Tetrahydrofuran	250.000	269.287	-7.7	103	0.00
30 C	Chloroform	50.000	51.599	-3.2#	107	0.00
31 T	Cyclohexane	50.000	50.614	-1.2	108	0.00
32 T	1,1,1-Trichloroethane	50.000	52.082	-4.2	108	0.00
33 S	1,2-Dichloroethane-d4	50.000	44.088	11.8	88	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00
35 S	Dibromofluoromethane	50.000	41.629	16.7	88	0.00
36 T	1,1-Dichloropropene	50.000	50.242	-0.5	108	0.00
37 T	Ethyl Acetate	50.000	46.280	7.4	100	0.00
38 T	Carbon Tetrachloride	50.000	48.871	2.3	106	0.00
39 T	Methylcyclohexane	50.000	55.659	-11.3	117	0.00
40 TM	Benzene	50.000	49.522	1.0	105	0.00
41 T	Methacrylonitrile	50.000	49.391	1.2	108	0.00
42 TM	1,2-Dichloroethane	50.000	49.167	1.7	105	0.00
43 T	Isopropyl Acetate	50.000	51.248	-2.5	106	0.00
44 TM	Trichloroethene	50.000	50.715	-1.4	111	0.00
45 C	1,2-Dichloropropane	50.000	50.916	-1.8#	106	0.00
46 T	Dibromomethane	50.000	49.464	1.1	108	0.00
47 T	Bromodichloromethane	50.000	49.946	0.1	107	0.00
48 T	Methyl methacrylate	50.000	55.365	-10.7	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
 Data File : VD080038.D
 Acq On : 17 Nov 2024 13:28
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 18 04:20:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 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	1196.381	-19.6	112	0.00
50 S	Toluene-d8	50.000	46.139	7.7	94	0.00
51 T	4-Methyl-2-Pentanone	250.000	256.819	-2.7	103	0.00
52 CM	Toluene	50.000	57.030	-14.1#	118	0.00
53 T	t-1,3-Dichloropropene	50.000	50.188	-0.4	104	0.00
54 T	cis-1,3-Dichloropropene	50.000	72.196	-44.4#	150	0.00
55 T	1,1,2-Trichloroethane	50.000	51.113	-2.2	108	0.00
56 T	Ethyl methacrylate	50.000	54.424	-8.8	108	0.00
57 T	1,3-Dichloropropane	50.000	51.544	-3.1	108	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	283.963	-13.6	114	0.00
59 T	2-Hexanone	250.000	286.809	-14.7	111	0.00
60 T	Dibromochloromethane	50.000	51.650	-3.3	107	0.00
61 T	1,2-Dibromoethane	50.000	52.142	-4.3	110	0.00
62 S	4-Bromofluorobenzene	50.000	45.866	8.3	93	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64 T	Tetrachloroethene	50.000	52.443	-4.9	114	0.00
65 PM	Chlorobenzene	50.000	51.627	-3.3	110	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.179	-2.4	107	0.00
67 C	Ethyl Benzene	50.000	52.996	-6.0#	109	0.00
68 T	m/p-Xylenes	100.000	107.626	-7.6	111	0.00
69 T	o-Xylene	50.000	53.540	-7.1	107	0.00
70 T	Styrene	50.000	53.853	-7.7	106	0.00
71 P	Bromoform	50.000	50.264	-0.5	105	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
73 T	Isopropylbenzene	50.000	55.543	-11.1	111	0.00
74 T	N-amyl acetate	50.000	55.464	-10.9	107	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.476	-5.0	108	0.00
76 T	1,2,3-Trichloropropane	50.000	51.201	-2.4	112	0.00
77 T	Bromobenzene	50.000	53.043	-6.1	108	0.00
78 T	n-propylbenzene	50.000	55.246	-10.5	110	0.00
79 T	2-Chlorotoluene	50.000	54.896	-9.8	110	0.00
80 T	1,3,5-Trimethylbenzene	50.000	55.105	-10.2	108	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	54.751	-9.5	109	0.00
82 T	4-Chlorotoluene	50.000	53.623	-7.2	108	0.00
83 T	tert-Butylbenzene	50.000	55.968	-11.9	112	0.00
84 T	1,2,4-Trimethylbenzene	50.000	55.810	-11.6	109	0.00
85 T	sec-Butylbenzene	50.000	55.339	-10.7	111	0.00
86 T	p-Isopropyltoluene	50.000	58.458	-16.9	116	0.00
87 T	1,3-Dichlorobenzene	50.000	53.214	-6.4	109	0.00
88 T	1,4-Dichlorobenzene	50.000	52.082	-4.2	108	0.00
89 T	n-Butylbenzene	50.000	56.278	-12.6	113	0.00
90 T	Hexachloroethane	50.000	51.803	-3.6	109	0.00
91 T	1,2-Dichlorobenzene	50.000	52.283	-4.6	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	54.843	-9.7	114	0.00
93 T	1,2,4-Trichlorobenzene	50.000	59.283	-18.6	121	0.00
94 T	Hexachlorobutadiene	50.000	59.892	-19.8	123	0.00
95 T	Naphthalene	50.000	61.180	-22.4	120	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
Data File : VD080038.D
Acq On : 17 Nov 2024 13:28
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 04:20:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 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	55.662	-11.3	111	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: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: MSVOA_Y Calibration Date/Time: 11/13/2024 10:21

Lab File ID: VY020276.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.463	0.401		-13.39	20
Chloromethane	0.767	0.689	0.1	-10.17	20
Vinyl Chloride	0.823	0.746		-9.36	20
Bromomethane	0.546	0.432		-20.88	20
Chloroethane	0.531	0.487		-8.29	20
Trichlorofluoromethane	1.005	1.111		10.55	20
1,1,2-Trichlorotrifluoroethane	0.564	0.567		0.53	20
1,1-Dichloroethene	0.540	0.556		2.96	20
Acetone	0.145	0.179		23.45	20
Carbon Disulfide	1.796	1.622		-9.69	20
Methyl tert-butyl Ether	1.357	1.551		14.3	20
Methyl Acetate	0.340	0.333		-2.06	20
Methylene Chloride	0.652	0.566		-13.19	20
trans-1,2-Dichloroethene	0.609	0.663		8.87	20
1,1-Dichloroethane	1.170	1.155	0.1	-1.28	20
Cyclohexane	1.132	1.006		-11.13	20
2-Butanone	0.197	0.193		-2.03	20
Carbon Tetrachloride	0.494	0.539		9.11	20
cis-1,2-Dichloroethene	0.700	0.692		-1.14	20
Bromochloromethane	0.548	0.536		-2.19	20
Chloroform	1.161	1.164		0.26	20
1,1,1-Trichloroethane	1.013	1.091		7.7	20
Methylcyclohexane	0.623	0.594		-4.66	20
Benzene	1.433	1.465		2.23	20
1,2-Dichloroethane	0.397	0.405		2.02	20
Trichloroethene	0.332	0.345		3.92	20
1,2-Dichloropropane	0.343	0.345		0.58	20
Bromodichloromethane	0.487	0.530		8.83	20
4-Methyl-2-Pentanone	0.232	0.214		-7.76	20
Toluene	0.884	0.813		-8.03	20
t-1,3-Dichloropropene	0.430	0.392		-8.84	20
cis-1,3-Dichloropropene	0.513	0.507		-1.17	20
1,1,2-Trichloroethane	0.231	0.210		-9.09	20
2-Hexanone	0.166	0.156		-6.02	20
Dibromochloromethane	0.295	0.275		-6.78	20
1,2-Dibromoethane	0.215	0.192		-10.7	20
Tetrachloroethene	0.330	0.379		14.85	20
Chlorobenzene	1.065	1.134	0.3	6.48	20

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



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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: MSVOA_Y Calibration Date/Time: 11/13/2024 10:21

Lab File ID: VY020276.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.992	2.129		6.88	20
m/p-Xylenes	0.729	0.785		7.68	20
o-Xylene	0.690	0.740		7.25	20
Styrene	1.141	1.246		9.2	20
Bromoform	0.175	0.198	0.1	13.14	20
Isopropylbenzene	3.994	4.264		6.76	20
1,1,2,2-Tetrachloroethane	0.699	0.697	0.3	-0.29	20
1,3-Dichlorobenzene	1.641	1.747		6.46	20
1,4-Dichlorobenzene	1.634	1.688		3.31	20
1,2-Dichlorobenzene	1.426	1.760		23.42	20
1,2-Dibromo-3-Chloropropane	0.106	0.106		0	20
1,2,4-Trichlorobenzene	0.766	0.756		-1.3	20
1,2,3-Trichlorobenzene	0.650	0.619		-4.77	20
1,2-Dichloroethane-d4	0.624	0.621		-0.48	20
Dibromofluoromethane	0.318	0.347		9.12	20
Toluene-d8	1.265	1.142		-9.72	20
4-Bromofluorobenzene	0.411	0.385		-6.33	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020276.D
 Acq On : 13 Nov 2024 10:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 14 00:53:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	274170	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.622	114	476232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	352799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	165760	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	170279	49.763	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.520%
35) Dibromofluoromethane	7.646	113	165399	54.626	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.260%
50) Toluene-d8	10.115	98	543736	45.115	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.220%
62) 4-Bromofluorobenzene	12.407	95	183357	46.838	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	93.680%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	110004	43.344	ug/l	99
3) Chloromethane	2.074	50	188823	44.917	ug/l	100
4) Vinyl Chloride	2.214	62	204533	45.321	ug/l	99
5) Bromomethane	2.604	94	118363	39.503	ug/l	95
6) Chloroethane	2.745	64	133490	45.833	ug/l	98
7) Trichlorofluoromethane	3.068	101	304729	55.273	ug/l	93
8) Diethyl Ether	3.464	74	89592	58.265	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.830	101	155533	50.297	ug/l	93
10) Methyl Iodide	4.019	142	176580	59.146	ug/l	91
11) Tert butyl alcohol	4.884	59	49649	201.716	ug/l	# 78
12) 1,1-Dichloroethene	3.799	96	152336	51.488	ug/l	# 81
13) Acrolein	3.659	56	42732	139.466	ug/l	96
14) Allyl chloride	4.391	41	263419	49.348	ug/l	# 90
15) Acrylonitrile	5.067	53	190207	271.745	ug/l	98
16) Acetone	3.878	43	245894	309.005	ug/l	# 81
17) Carbon Disulfide	4.116	76	444722	45.168	ug/l	99
18) Methyl Acetate	4.391	43	91167	48.829	ug/l	90
19) Methyl tert-butyl Ether	5.128	73	425185	57.123	ug/l	99
20) Methylene Chloride	4.628	84	155167	43.407	ug/l	# 84
21) trans-1,2-Dichloroethene	5.128	96	181640	54.437	ug/l	86
22) Diisopropyl ether	6.031	45	585881	52.891	ug/l	# 92
23) Vinyl Acetate	5.970	43	1551483	248.877	ug/l	# 90
24) 1,1-Dichloroethane	5.927	63	316562	49.354	ug/l	97
25) 2-Butanone	6.902	43	264873	245.551	ug/l	# 83
26) 2,2-Dichloropropane	6.896	77	269477	50.495	ug/l	95
27) cis-1,2-Dichloroethene	6.902	96	189854	49.497	ug/l	84
28) Bromochloromethane	7.256	49	146993	48.942	ug/l	# 74
29) Tetrahydrofuran	7.268	42	148230	238.115	ug/l	# 83
30) Chloroform	7.427	83	319011	50.120	ug/l	99
31) Cyclohexane	7.713	56	275762	44.409	ug/l	89
32) 1,1,1-Trichloroethane	7.628	97	299122	53.828	ug/l	95
36) 1,1-Dichloropropene	7.841	75	239222	51.145	ug/l	94
37) Ethyl Acetate	6.994	43	107056	48.007	ug/l	95
38) Carbon Tetrachloride	7.829	117	256512	54.537	ug/l	95
39) Methylcyclohexane	9.115	83	283000	47.672	ug/l	# 86
40) Benzene	8.091	78	697754	51.108	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020276.D
 Acq On : 13 Nov 2024 10:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 14 00:53:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	60811	54.437	ug/l	87
42) 1,2-Dichloroethane	8.164	62	193052	51.086	ug/l	94
43) Isopropyl Acetate	8.201	43	213928	49.887	ug/l #	90
44) Trichloroethene	8.871	130	164163	51.881	ug/l	87
45) 1,2-Dichloropropane	9.146	63	164385	50.326	ug/l	98
46) Dibromomethane	9.237	93	87599	49.495	ug/l	89
47) Bromodichloromethane	9.426	83	252167	54.387	ug/l	99
48) Methyl methacrylate	9.225	41	97424	49.048	ug/l #	83
49) 1,4-Dioxane	9.237	88	16253	891.961	ug/l #	93
51) 4-Methyl-2-Pentanone	10.005	43	510579	231.074	ug/l	90
52) Toluene	10.176	92	387125	46.000	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	186457	45.540	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	241463	49.410	ug/l #	84
55) 1,1,2-Trichloroethane	10.579	97	100185	45.527	ug/l	95
56) Ethyl methacrylate	10.444	69	145832	46.199	ug/l #	75
57) 1,3-Dichloropropane	10.719	76	182929	45.393	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	385019	247.323	ug/l	92
59) 2-Hexanone	10.761	43	372523	235.162	ug/l	87
60) Dibromochloromethane	10.914	129	131091	46.733	ug/l	98
61) 1,2-Dibromoethane	11.017	107	91252	44.633	ug/l	99
64) Tetrachloroethene	10.652	164	133848	57.460	ug/l	93
65) Chlorobenzene	11.444	112	400066	53.219	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	133798	55.709	ug/l	99
67) Ethyl Benzene	11.523	91	751230	53.460	ug/l	99
68) m/p-Xylenes	11.633	106	554203	107.795	ug/l	92
69) o-Xylene	11.956	106	261045	53.630	ug/l	92
70) Styrene	11.975	104	439641	54.627	ug/l	95
71) Bromoform	12.139	173	69768	56.624	ug/l #	96
73) Isopropylbenzene	12.261	105	706803	53.377	ug/l	97
74) N-amyl acetate	12.078	43	168825	51.003	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.511	83	115584	49.910	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	81397m	52.385	ug/l	
77) Bromobenzene	12.535	156	143238	53.487	ug/l	84
78) n-propylbenzene	12.603	91	867417	52.634	ug/l	96
79) 2-Chlorotoluene	12.682	91	483792	52.886	ug/l	94
80) 1,3,5-Trimethylbenzene	12.743	105	570314	53.647	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.310	75	37642	52.108	ug/l #	81
82) 4-Chlorotoluene	12.779	91	495048	53.075	ug/l	94
83) tert-Butylbenzene	13.005	119	506272	54.461	ug/l	95
84) 1,2,4-Trimethylbenzene	13.048	105	564807	53.640	ug/l	96
85) sec-Butylbenzene	13.182	105	769721	53.936	ug/l	97
86) p-Isopropyltoluene	13.298	119	611268	53.377	ug/l	95
87) 1,3-Dichlorobenzene	13.291	146	289626	53.236	ug/l	97
88) 1,4-Dichlorobenzene	13.371	146	279778	51.641	ug/l	97
89) n-Butylbenzene	13.621	91	700144	60.989	ug/l	99
90) Hexachloroethane	13.883	117	119349	52.697	ug/l	85
91) 1,2-Dichlorobenzene	13.663	146	291738	61.693	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	17526	49.902	ug/l	74
93) 1,2,4-Trichlorobenzene	14.925	180	125365	49.350	ug/l	97
94) Hexachlorobutadiene	15.029	225	95150	68.498	ug/l	96
95) Naphthalene	15.151	128	284714	59.957	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	102677	47.615	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020276.D
Acq On : 13 Nov 2024 10:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Nov 14 00:53:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

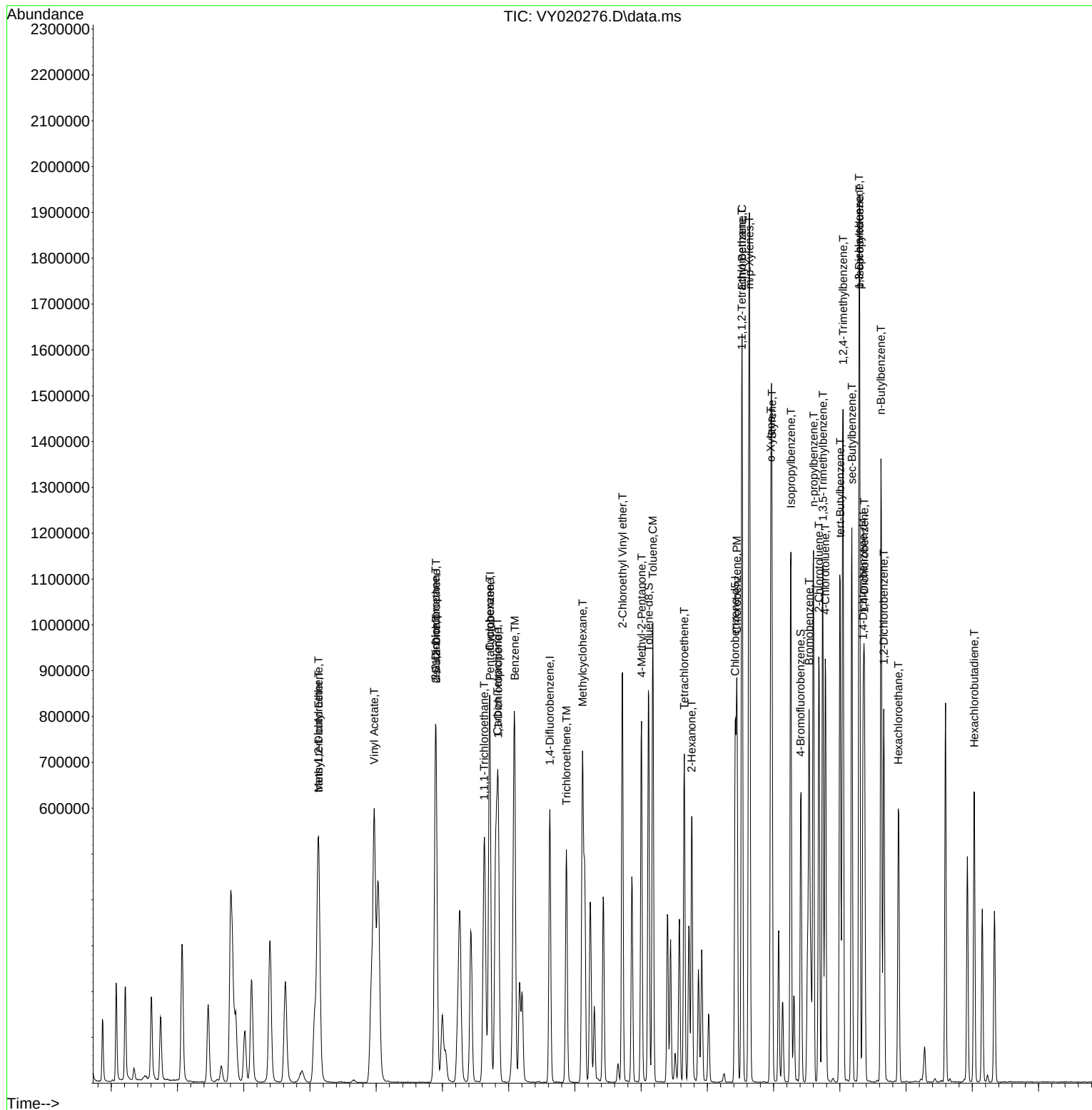
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020276.D
Acq On : 13 Nov 2024 10:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Nov 14 00:53:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020276.D
 Acq On : 13 Nov 2024 10:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 14 00:53:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 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	108	0.01
2 T	Dichlorodifluoromethane	0.463	0.401	13.4	114	0.00
3 P	Chloromethane	0.767	0.689	10.2	109	0.00
4 C	Vinyl Chloride	0.823	0.746	9.4#	107	0.00
5 T	Bromomethane	0.546	0.432	20.9	97	0.00
6 T	Chloroethane	0.531	0.487	8.3	109	0.00
7 T	Trichlorofluoromethane	1.005	1.111	-10.5	130	0.00
8 T	Diethyl Ether	0.280	0.327	-16.8	141	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.564	0.567	-0.5	121	0.02
10 T	Methyl Iodide	0.544	0.644	-18.4	135	0.01
11 T	Tert butyl alcohol	0.045	0.036	20.0	119	0.02
12 CM	1,1-Dichloroethene	0.540	0.556	-3.0#	122	0.01
13 T	Acrolein	0.056	0.031	44.6#	68	0.00
14 T	Allyl chloride	0.973	0.961	1.2	114	0.00
15 T	Acrylonitrile	0.128	0.139	-8.6	129	0.01
16 T	Acetone	0.145	0.179	-23.4	139	0.00
17 T	Carbon Disulfide	1.796	1.622	9.7	105	0.01
18 T	Methyl Acetate	0.340	0.333	2.1	114	0.00
19 T	Methyl tert-butyl Ether	1.357	1.551	-14.3	135	0.01
20 T	Methylene Chloride	0.652	0.566	13.2	110	0.01
21 T	trans-1,2-Dichloroethene	0.609	0.663	-8.9	127	0.02
22 T	Diisopropyl ether	2.020	2.137	-5.8	122	0.01
23 T	Vinyl Acetate	1.137	1.132	0.4	116	0.01
24 P	1,1-Dichloroethane	1.170	1.155	1.3	117	0.01
25 T	2-Butanone	0.197	0.193	2.0	117	0.01
26 T	2,2-Dichloropropane	0.973	0.983	-1.0	121	0.01
27 T	cis-1,2-Dichloroethene	0.700	0.692	1.1	116	0.01
28 T	Bromochloromethane	0.548	0.536	2.2	115	0.01
29 T	Tetrahydrofuran	0.114	0.108	5.3	113	0.00
30 C	Chloroform	1.161	1.164	-0.3#	118	0.00
31 T	Cyclohexane	1.132	1.006	11.1	111	0.01
32 T	1,1,1-Trichloroethane	1.013	1.091	-7.7	124	0.01
33 S	1,2-Dichloroethane-d4	0.624	0.621	0.5	115	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.00
35 S	Dibromofluoromethane	0.318	0.347	-9.1	121	0.01
36 T	1,1-Dichloropropene	0.491	0.502	-2.2	118	0.00
37 T	Ethyl Acetate	0.234	0.225	3.8	113	0.01
38 T	Carbon Tetrachloride	0.494	0.539	-9.1	124	0.01
39 T	Methylcyclohexane	0.623	0.594	4.7	109	0.00
40 TM	Benzene	1.433	1.465	-2.2	117	0.01
41 T	Methacrylonitrile	0.117	0.128	-9.4	114	0.01
42 TM	1,2-Dichloroethane	0.397	0.405	-2.0	118	0.00
43 T	Isopropyl Acetate	0.450	0.449	0.2	116	0.00
44 TM	Trichloroethene	0.332	0.345	-3.9	119	0.00
45 C	1,2-Dichloropropane	0.343	0.345	-0.6#	115	0.00
46 T	Dibromomethane	0.186	0.184	1.1	114	0.00
47 T	Bromodichloromethane	0.487	0.530	-8.8	125	0.00
48 T	Methyl methacrylate	0.209	0.205	1.9	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020276.D
 Acq On : 13 Nov 2024 10:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 14 00:53:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 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	0.002	0.002	0.0	103	0.00
50 S	Toluene-d8	1.265	1.142	9.7	99	0.00
51 T	4-Methyl-2-Pentanone	0.232	0.214	7.8	104	0.00
52 CM	Toluene	0.884	0.813	8.0#	104	0.00
53 T	t-1,3-Dichloropropene	0.430	0.392	8.8	104	0.00
54 T	cis-1,3-Dichloropropene	0.513	0.507	1.2	111	0.00
55 T	1,1,2-Trichloroethane	0.231	0.210	9.1	104	0.00
56 T	Ethyl methacrylate	0.331	0.306	7.6	103	0.00
57 T	1,3-Dichloropropane	0.423	0.384	9.2	104	0.00
58 T	2-Chloroethyl Vinyl ether	0.163	0.162	0.6	107	0.00
59 T	2-Hexanone	0.166	0.156	6.0	105	0.00
60 T	Dibromochloromethane	0.295	0.275	6.8	107	0.00
61 T	1,2-Dibromoethane	0.215	0.192	10.7	104	0.00
62 S	4-Bromofluorobenzene	0.411	0.385	6.3	102	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
64 T	Tetrachloroethene	0.330	0.379	-14.8	111	0.00
65 PM	Chlorobenzene	1.065	1.134	-6.5	103	0.00
66 T	1,1,1,2-Tetrachloroethane	0.340	0.379	-11.5	108	0.00
67 C	Ethyl Benzene	1.992	2.129	-6.9#	102	0.00
68 T	m/p-Xylenes	0.729	0.785	-7.7	102	0.00
69 T	o-Xylene	0.690	0.740	-7.2	103	0.00
70 T	Styrene	1.141	1.246	-9.2	103	0.00
71 P	Bromoform	0.175	0.198	-13.1	108	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73 T	Isopropylbenzene	3.994	4.264	-6.8	102	0.00
74 T	N-amy1 acetate	0.998	1.018	-2.0	98	0.00
75 P	1,1,2,2-Tetrachloroethane	0.699	0.697	0.3	99	0.00
76 T	1,2,3-Trichloropropane	0.469	0.491	-4.7	101	0.00
77 T	Bromobenzene	0.808	0.864	-6.9	103	0.00
78 T	n-propylbenzene	4.971	5.233	-5.3	101	0.00
79 T	2-Chlorotoluene	2.759	2.919	-5.8	102	0.00
80 T	1,3,5-Trimethylbenzene	3.207	3.441	-7.3	102	0.00
81 T	trans-1,4-Dichloro-2-butene	0.218	0.227	-4.1	102	0.00
82 T	4-Chlorotoluene	2.813	2.987	-6.2	101	0.00
83 T	tert-Butylbenzene	2.804	3.054	-8.9	101	0.00
84 T	1,2,4-Trimethylbenzene	3.176	3.407	-7.3	102	0.00
85 T	sec-Butylbenzene	4.305	4.644	-7.9	102	0.00
86 T	p-Isopropyltoluene	3.454	3.688	-6.8	101	0.00
87 T	1,3-Dichlorobenzene	1.641	1.747	-6.5	102	0.00
88 T	1,4-Dichlorobenzene	1.634	1.688	-3.3	100	0.00
89 T	n-Butylbenzene	3.463	4.224	-22.0	115	0.00
90 T	Hexachloroethane	0.683	0.720	-5.4	101	0.00
91 T	1,2-Dichlorobenzene	1.426	1.760	-23.4	119	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.106	0.106	0.0	102	0.00
93 T	1,2,4-Trichlorobenzene	0.766	0.756	1.3	96	0.00
94 T	Hexachlorobutadiene	0.419	0.574	-37.0#	130	0.00
95 T	Naphthalene	1.432	1.718	-20.0	115	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020276.D
Acq On : 13 Nov 2024 10:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:53:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 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	0.650	0.619	4.8	95	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020276.D
 Acq On : 13 Nov 2024 10:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 14 00:53:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 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	108	0.01
2 T	Dichlorodifluoromethane	50.000	43.344	13.3	114	0.00
3 P	Chloromethane	50.000	44.917	10.2	109	0.00
4 C	Vinyl Chloride	50.000	45.321	9.4#	107	0.00
5 T	Bromomethane	50.000	39.503	21.0	97	0.00
6 T	Chloroethane	50.000	45.833	8.3	109	0.00
7 T	Trichlorofluoromethane	50.000	55.273	-10.5	130	0.00
8 T	Diethyl Ether	50.000	58.265	-16.5	141	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.297	-0.6	121	0.02
10 T	Methyl Iodide	50.000	59.146	-18.3	135	0.01
11 T	Tert butyl alcohol	250.000	201.716	19.3	119	0.02
12 CM	1,1-Dichloroethene	50.000	51.488	-3.0#	122	0.01
13 T	Acrolein	250.000	139.466	44.2#	68	0.00
14 T	Allyl chloride	50.000	49.348	1.3	114	0.00
15 T	Acrylonitrile	250.000	271.745	-8.7	129	0.01
16 T	Acetone	250.000	309.005	-23.6	139	0.00
17 T	Carbon Disulfide	50.000	45.168	9.7	105	0.01
18 T	Methyl Acetate	50.000	48.829	2.3	114	0.00
19 T	Methyl tert-butyl Ether	50.000	57.123	-14.2	135	0.01
20 T	Methylene Chloride	50.000	43.407	13.2	110	0.01
21 T	trans-1,2-Dichloroethene	50.000	54.437	-8.9	127	0.02
22 T	Diisopropyl ether	50.000	52.891	-5.8	122	0.01
23 T	Vinyl Acetate	250.000	248.877	0.4	116	0.01
24 P	1,1-Dichloroethane	50.000	49.354	1.3	117	0.01
25 T	2-Butanone	250.000	245.551	1.8	117	0.01
26 T	2,2-Dichloropropane	50.000	50.495	-1.0	121	0.01
27 T	cis-1,2-Dichloroethene	50.000	49.497	1.0	116	0.01
28 T	Bromochloromethane	50.000	48.942	2.1	115	0.01
29 T	Tetrahydrofuran	250.000	238.115	4.8	113	0.00
30 C	Chloroform	50.000	50.120	-0.2#	118	0.00
31 T	Cyclohexane	50.000	44.409	11.2	111	0.01
32 T	1,1,1-Trichloroethane	50.000	53.828	-7.7	124	0.01
33 S	1,2-Dichloroethane-d4	50.000	49.763	0.5	115	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	106	0.00
35 S	Dibromofluoromethane	50.000	54.626	-9.3	121	0.01
36 T	1,1-Dichloropropene	50.000	51.145	-2.3	118	0.00
37 T	Ethyl Acetate	50.000	48.007	4.0	113	0.01
38 T	Carbon Tetrachloride	50.000	54.537	-9.1	124	0.01
39 T	Methylcyclohexane	50.000	47.672	4.7	109	0.00
40 TM	Benzene	50.000	51.108	-2.2	117	0.01
41 T	Methacrylonitrile	50.000	54.437	-8.9	114	0.01
42 TM	1,2-Dichloroethane	50.000	51.086	-2.2	118	0.00
43 T	Isopropyl Acetate	50.000	49.887	0.2	116	0.00
44 TM	Trichloroethene	50.000	51.881	-3.8	119	0.00
45 C	1,2-Dichloropropane	50.000	50.326	-0.7#	115	0.00
46 T	Dibromomethane	50.000	49.495	1.0	114	0.00
47 T	Bromodichloromethane	50.000	54.387	-8.8	125	0.00
48 T	Methyl methacrylate	50.000	49.048	1.9	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020276.D
 Acq On : 13 Nov 2024 10:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 14 00:53:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 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	891.961	10.8	103	0.00
50 S	Toluene-d8	50.000	45.115	9.8	99	0.00
51 T	4-Methyl-2-Pentanone	250.000	231.074	7.6	104	0.00
52 CM	Toluene	50.000	46.000	8.0#	104	0.00
53 T	t-1,3-Dichloropropene	50.000	45.540	8.9	104	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.410	1.2	111	0.00
55 T	1,1,2-Trichloroethane	50.000	45.527	8.9	104	0.00
56 T	Ethyl methacrylate	50.000	46.199	7.6	103	0.00
57 T	1,3-Dichloropropane	50.000	45.393	9.2	104	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	247.323	1.1	107	0.00
59 T	2-Hexanone	250.000	235.162	5.9	105	0.00
60 T	Dibromochloromethane	50.000	46.733	6.5	107	0.00
61 T	1,2-Dibromoethane	50.000	44.633	10.7	104	0.00
62 S	4-Bromofluorobenzene	50.000	46.838	6.3	102	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	90	0.00
64 T	Tetrachloroethene	50.000	57.460	-14.9	111	0.00
65 PM	Chlorobenzene	50.000	53.219	-6.4	103	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	55.709	-11.4	108	0.00
67 C	Ethyl Benzene	50.000	53.460	-6.9#	102	0.00
68 T	m/p-Xylenes	100.000	107.795	-7.8	102	0.00
69 T	o-Xylene	50.000	53.630	-7.3	103	0.00
70 T	Styrene	50.000	54.627	-9.3	103	0.00
71 P	Bromoform	50.000	56.624	-13.2	108	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73 T	Isopropylbenzene	50.000	53.377	-6.8	102	0.00
74 T	N-amyl acetate	50.000	51.003	-2.0	98	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.910	0.2	99	0.00
76 T	1,2,3-Trichloropropane	50.000	52.385	-4.8	101	0.00
77 T	Bromobenzene	50.000	53.487	-7.0	103	0.00
78 T	n-propylbenzene	50.000	52.634	-5.3	101	0.00
79 T	2-Chlorotoluene	50.000	52.886	-5.8	102	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.647	-7.3	102	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.108	-4.2	102	0.00
82 T	4-Chlorotoluene	50.000	53.075	-6.2	101	0.00
83 T	tert-Butylbenzene	50.000	54.461	-8.9	101	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.640	-7.3	102	0.00
85 T	sec-Butylbenzene	50.000	53.936	-7.9	102	0.00
86 T	p-Isopropyltoluene	50.000	53.377	-6.8	101	0.00
87 T	1,3-Dichlorobenzene	50.000	53.236	-6.5	102	0.00
88 T	1,4-Dichlorobenzene	50.000	51.641	-3.3	100	0.00
89 T	n-Butylbenzene	50.000	60.989	-22.0	115	0.00
90 T	Hexachloroethane	50.000	52.697	-5.4	101	0.00
91 T	1,2-Dichlorobenzene	50.000	61.693	-23.4	119	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.902	0.2	102	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.350	1.3	96	0.00
94 T	Hexachlorobutadiene	50.000	68.498	-37.0#	130	0.00
95 T	Naphthalene	50.000	59.957	-19.9	115	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020276.D
Acq On : 13 Nov 2024 10:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:53:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 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	47.615	4.8	95	0.00

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



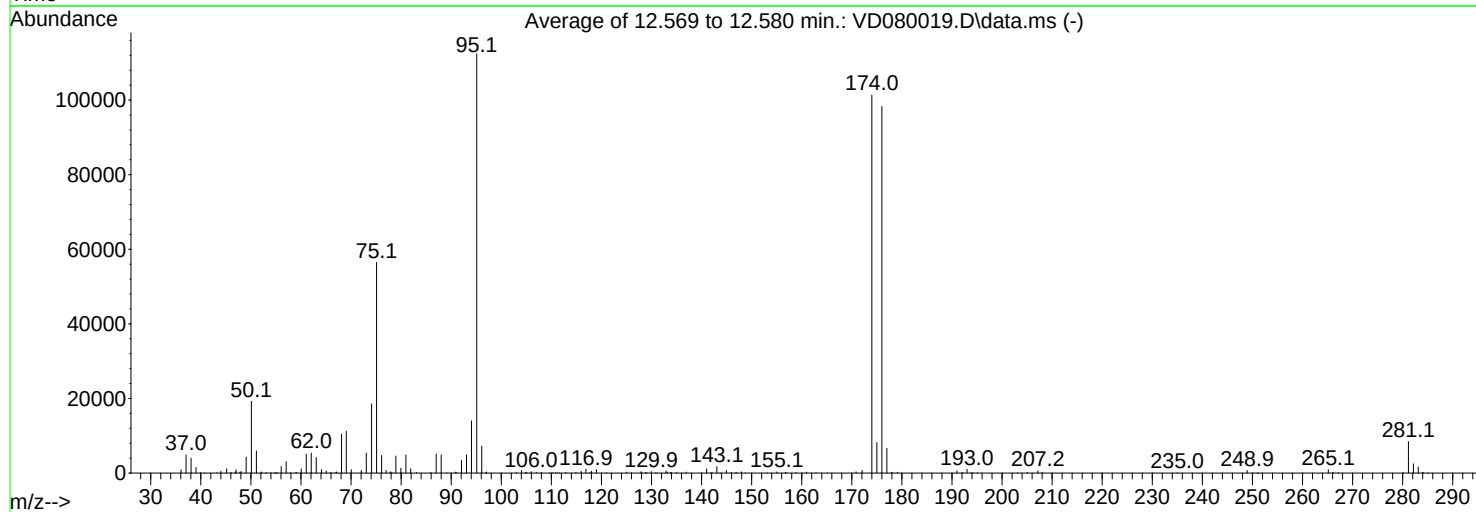
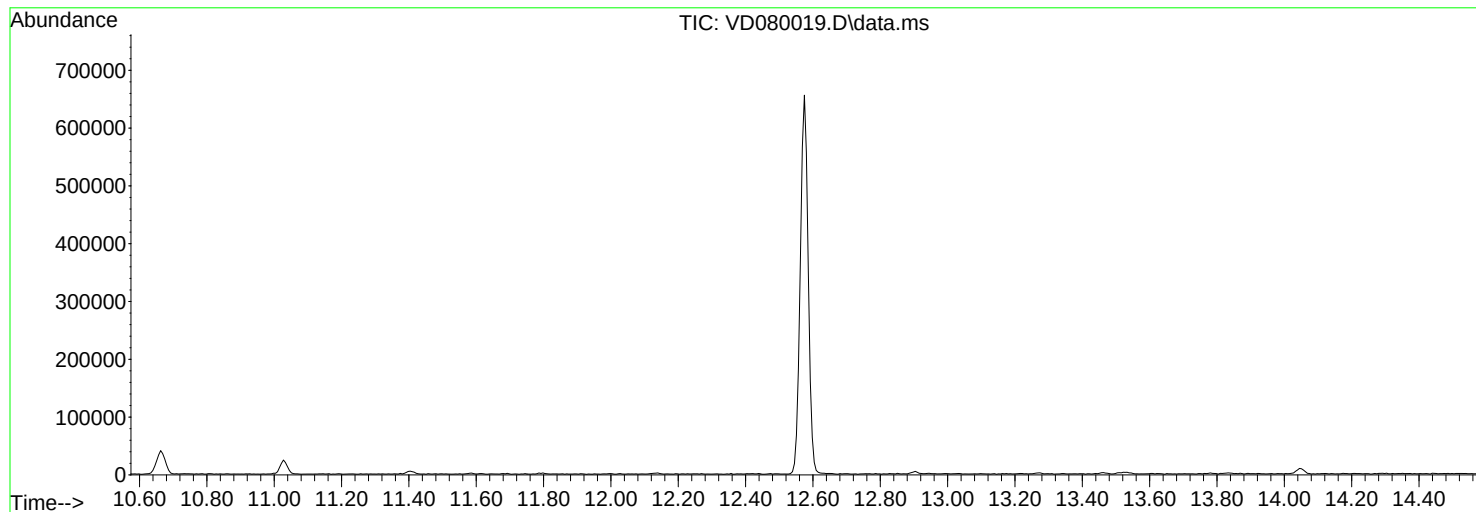
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
Data File : VD080019.D
Acq On : 15 Nov 2024 09:14
Operator : RP/MD
Sample : BFB
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111424S.M
Title : SW846 8260
Last Update : Fri Nov 15 06:28:05 2024



AutoFind: Scans 1867, 1868, 1869; Background Corrected with Scan 1858

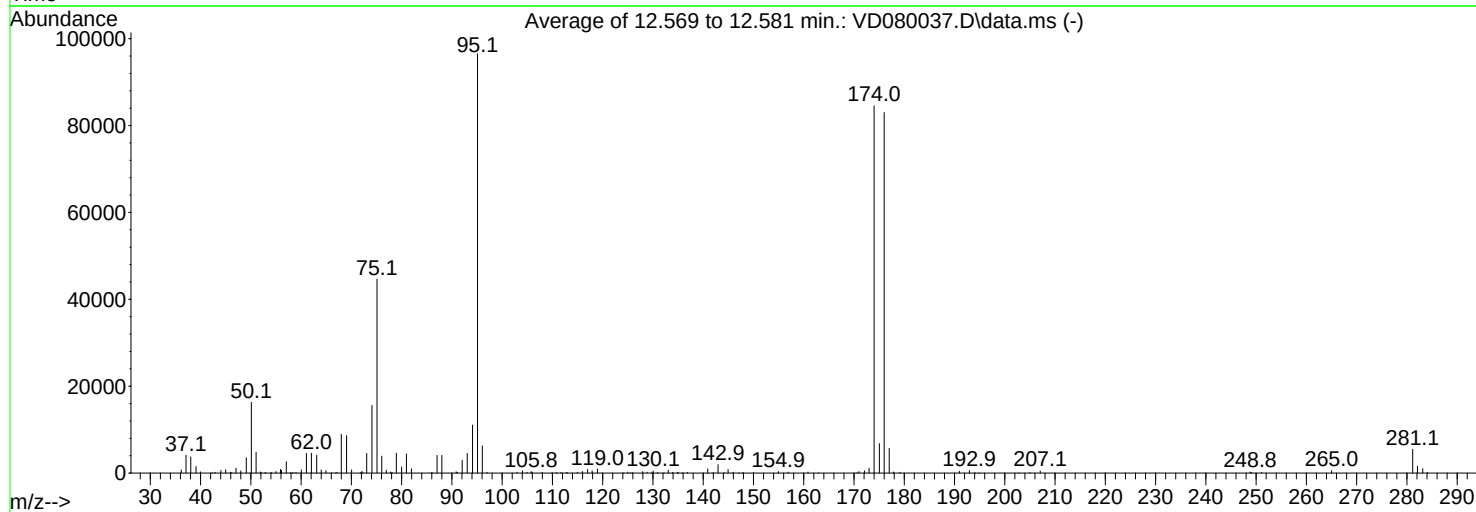
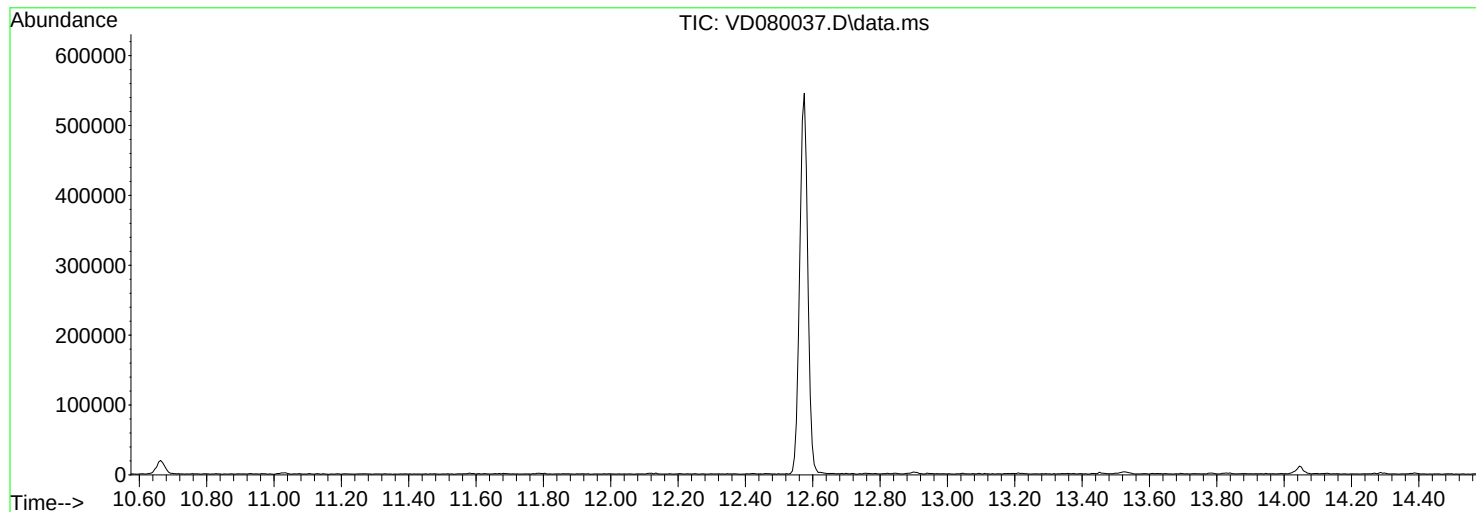
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	19237	PASS
75	95	30	60	50.2	56475	PASS
95	95	100	100	100.0	112421	PASS
96	95	5	9	6.4	7176	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	90.2	101355	PASS
175	174	5	9	8.1	8188	PASS
176	174	95	101	97.0	98264	PASS
177	176	5	9	6.7	6617	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
Data File : VD080037.D
Acq On : 17 Nov 2024 11:29
Operator : RP/MD
Sample : BFB
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Title : SW846 8260
Last Update : Fri Nov 15 16:25:47 2024



AutoFind: Scans 1867, 1868, 1869; Background Corrected with Scan 1858

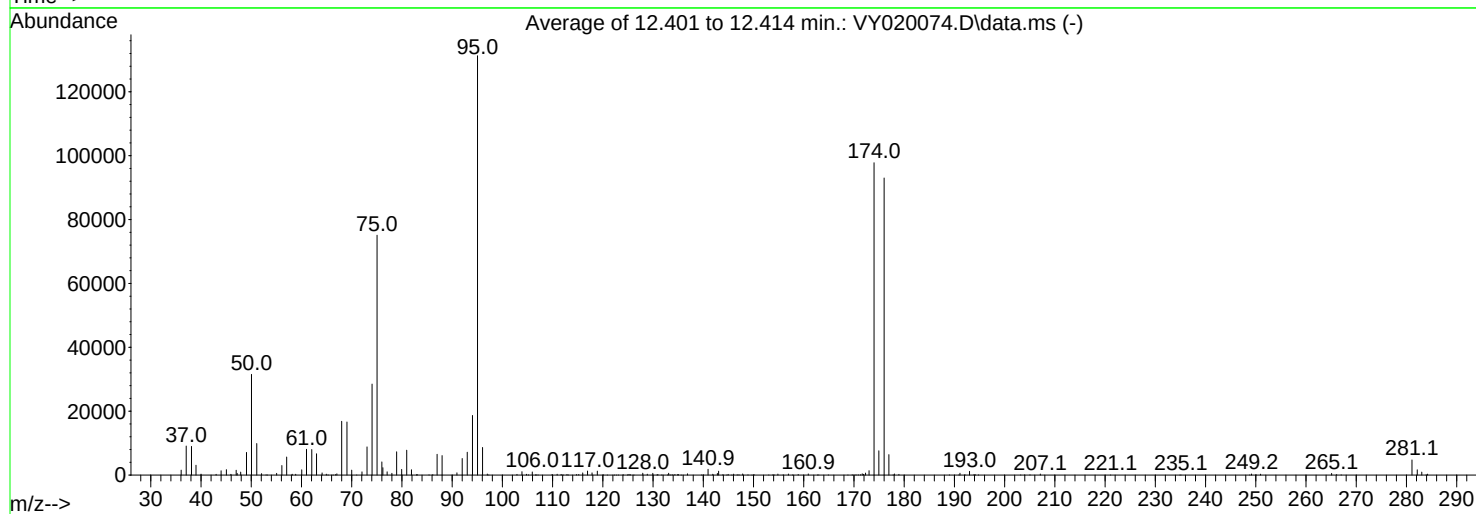
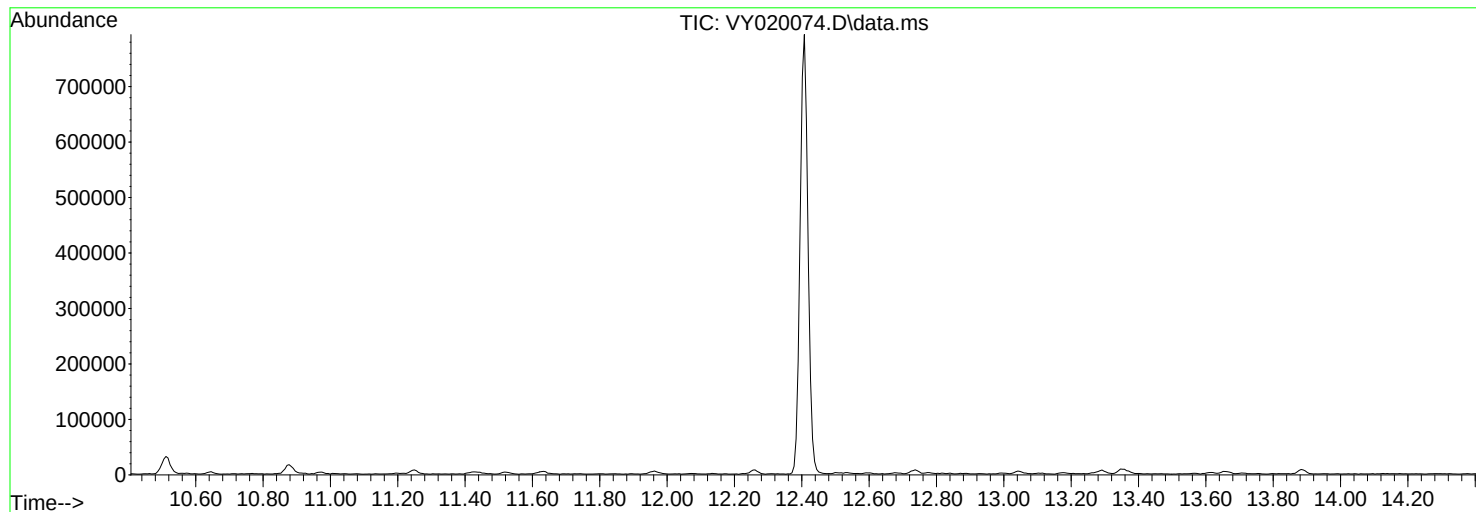
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	16292	PASS
75	95	30	60	46.3	44661	PASS
95	95	100	100	100.0	96536	PASS
96	95	5	9	6.5	6266	PASS
173	174	0.00	2	1.3	1122	PASS
174	95	50	100	87.6	84531	PASS
175	174	5	9	8.0	6776	PASS
176	174	95	101	98.2	83008	PASS
177	176	5	9	6.8	5678	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020074.D
Acq On : 30 Oct 2024 12:07
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Title : SW846 8260
Last Update : Thu Oct 31 15:23:13 2024



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

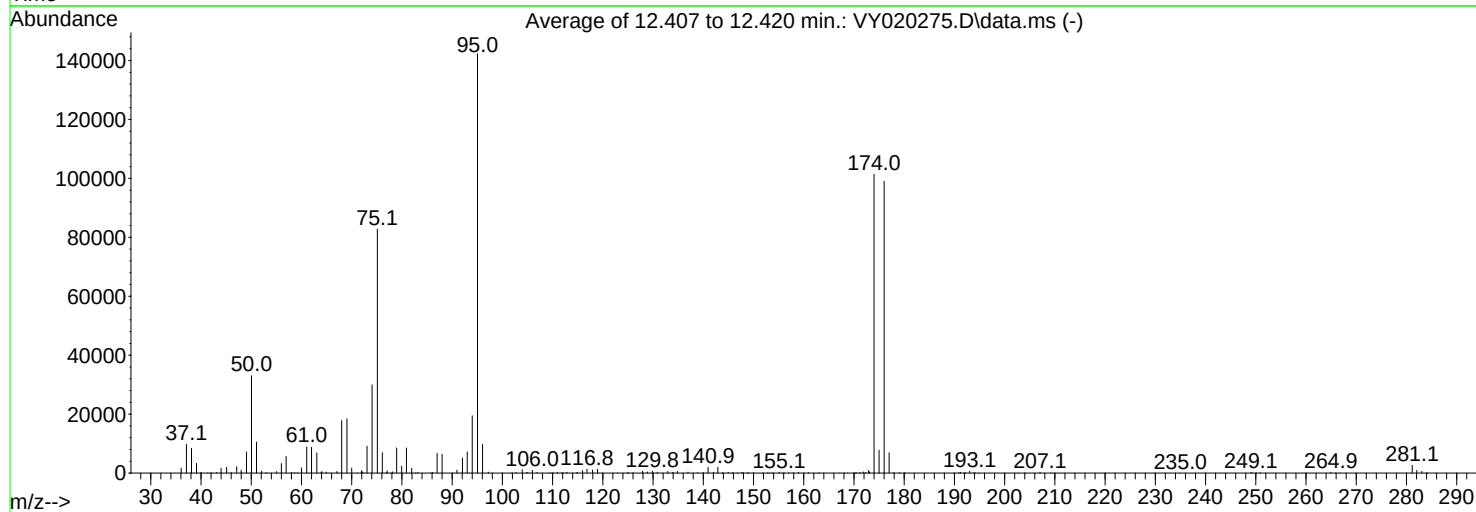
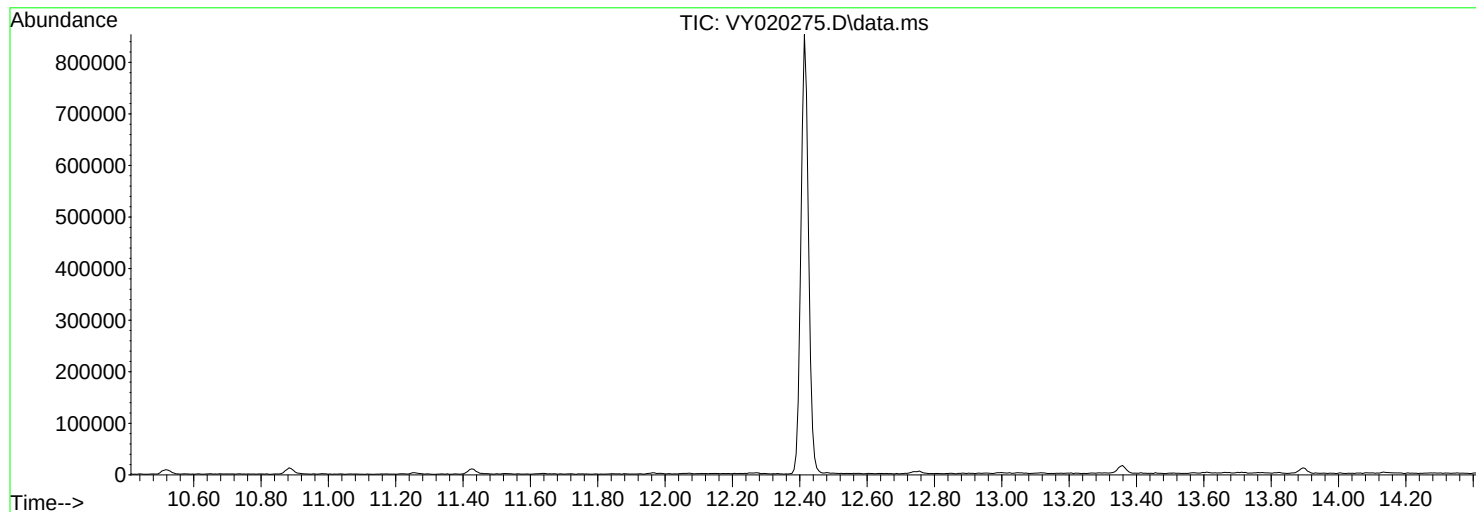
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	31536	PASS
75	95	30	60	57.2	75109	PASS
95	95	100	100	100.0	131296	PASS
96	95	5	9	6.6	8653	PASS
173	174	0.00	2	1.4	1390	PASS
174	95	50	100	74.5	97792	PASS
175	174	5	9	7.8	7615	PASS
176	174	95	101	95.1	93016	PASS
177	176	5	9	6.9	6402	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020275.D
Acq On : 13 Nov 2024 09:22
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Title : SW846 8260
Last Update : Thu Oct 31 15:23:13 2024



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	33043	PASS
75	95	30	60	58.2	82803	PASS
95	95	100	100	100.0	142315	PASS
96	95	5	9	6.9	9749	PASS
173	174	0.00	2	0.8	860	PASS
174	95	50	100	71.3	101435	PASS
175	174	5	9	7.7	7768	PASS
176	174	95	101	97.6	99024	PASS
177	176	5	9	7.0	6934	PASS

Report of Analysis

Client:	BAPS North Bergen			Date Collected:	
Project:	BAPS North Bergen			Date Received:	
Client Sample ID:	VD1117SBL01			SDG No.:	P4822
Lab Sample ID:	VD1117SBL01			Matrix:	SOIL
Analytical Method:	SW8260			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080039.D	1		11/17/24 13:55	VD111724

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

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	
Project:	BAPS North Bergen		Date Received:	
Client Sample ID:	VD1117SBL01		SDG No.:	P4822
Lab Sample ID:	VD1117SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080039.D	1		11/17/24 13:55	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.7		70 (50) - 130 (163)	119%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		70 (54) - 130 (147)	110%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (58) - 130 (134)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		70 (29) - 130 (146)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	193000	7.875			
540-36-3	1,4-Difluorobenzene	327000	8.781			
3114-55-4	Chlorobenzene-d5	303000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.516			

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	
Project:	BAPS North Bergen		Date Received:	
Client Sample ID:	VD1117SBL01		SDG No.:	P4822
Lab Sample ID:	VD1117SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080039.D	1		11/17/24 13:55	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
 Data File : VD080039.D
 Acq On : 17 Nov 2024 13:55
 Operator : RP/MD
 Sample : VD1117SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBL01

Quant Time: Nov 18 04:21:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	193192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	327480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	302809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	133574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	118660	59.655	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.320%
35) Dibromofluoromethane	7.805	113	119527	54.842	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.680%
50) Toluene-d8	10.269	98	421612	51.326	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.660%
62) 4-Bromofluorobenzene	12.569	95	128341	47.621	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.240%

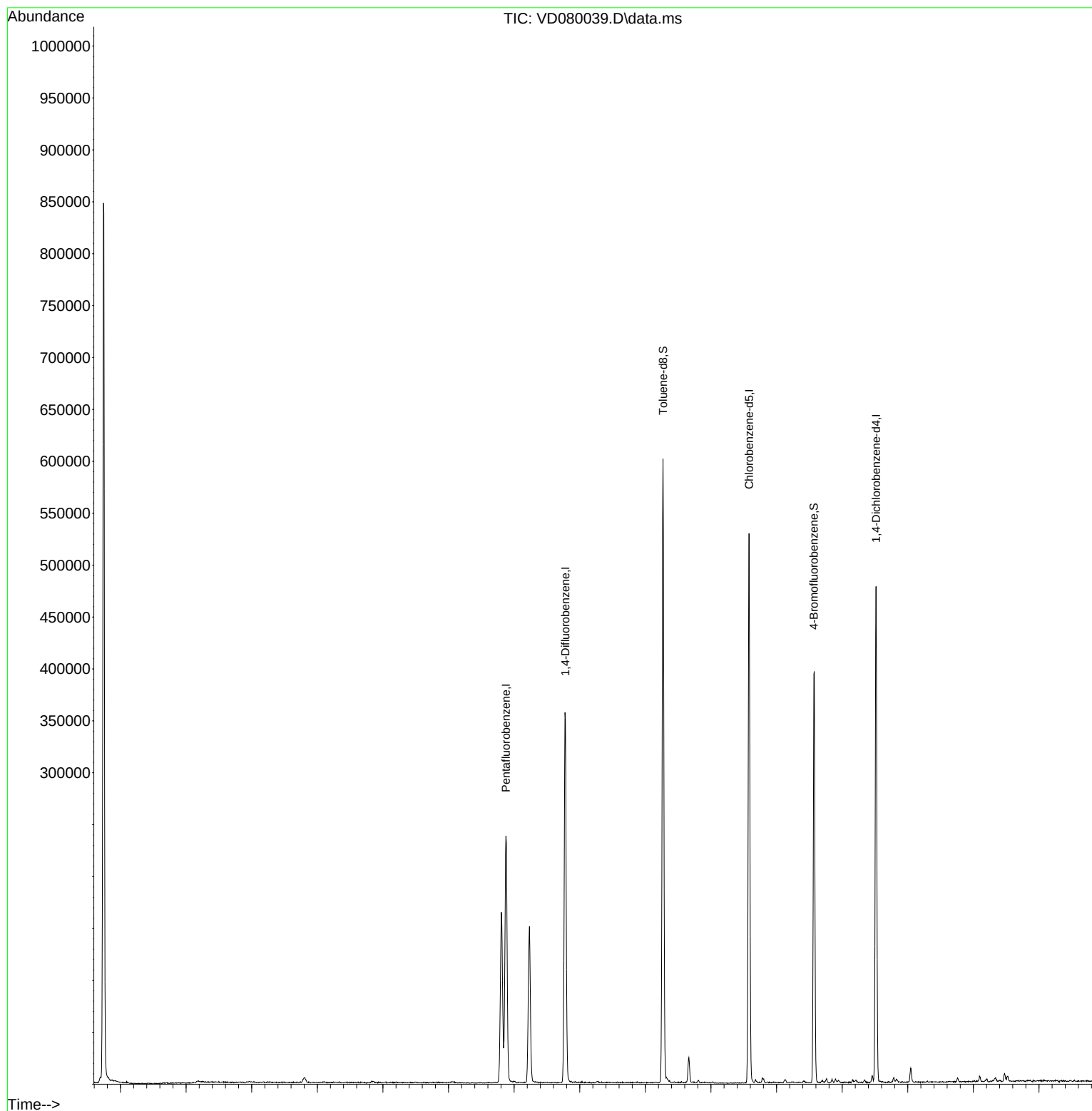
Target Compounds Qvalue

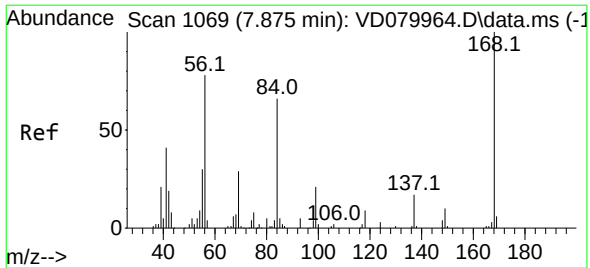
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
Data File : VD080039.D
Acq On : 17 Nov 2024 13:55
Operator : RP/MD
Sample : VD1117SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBL01

Quant Time: Nov 18 04:21:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

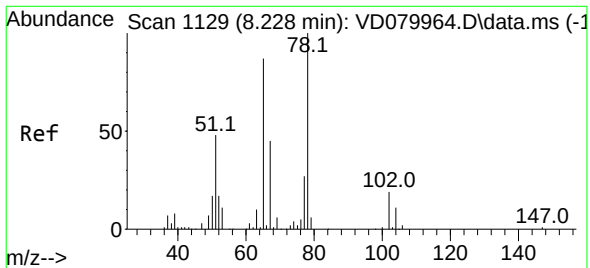
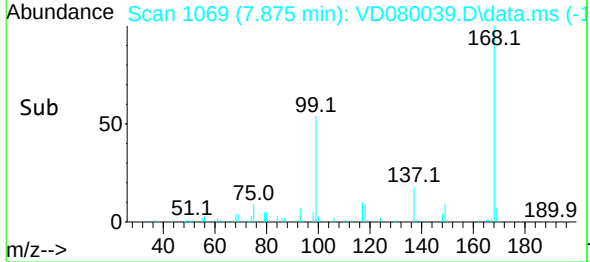
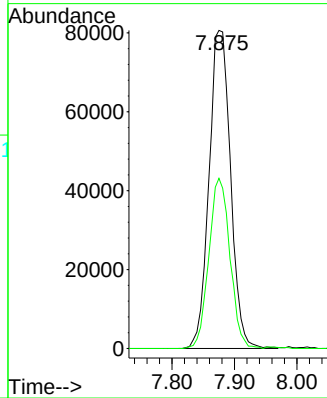
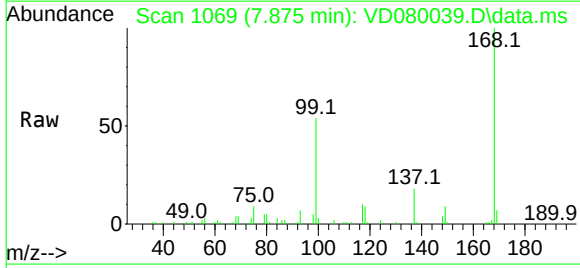




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD080039.D
Acq: 17 Nov 2024 13:55

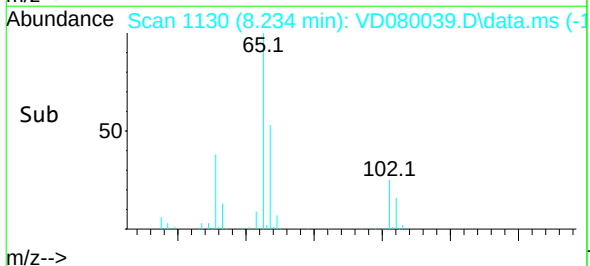
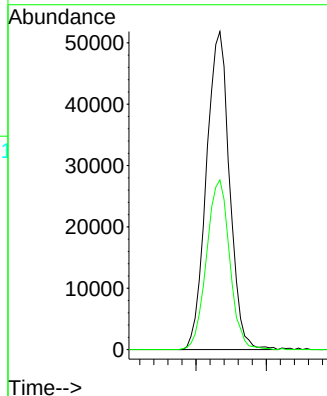
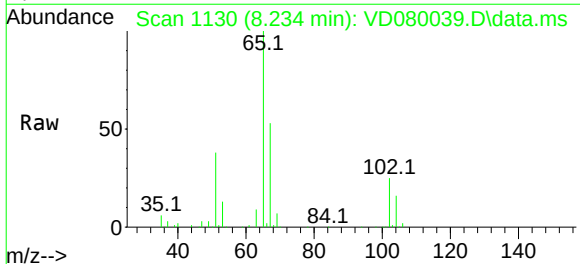
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBL01

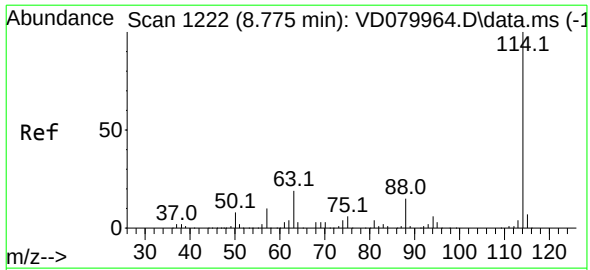
Tgt Ion:168 Resp: 193192
Ion Ratio Lower Upper
168 100
99 53.5 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 59.655 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD080039.D
Acq: 17 Nov 2024 13:55

Tgt Ion: 65 Resp: 118660
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 12

Delta R.T. 0.006 min

Lab File: VD080039.D

Acq: 17 Nov 2024 13:55

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBL01

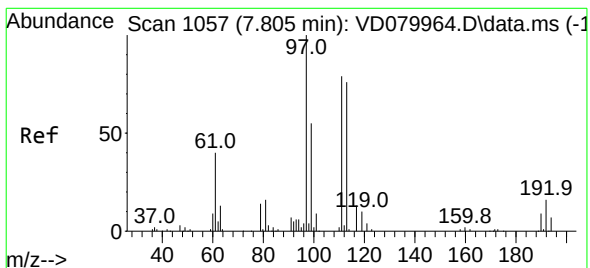
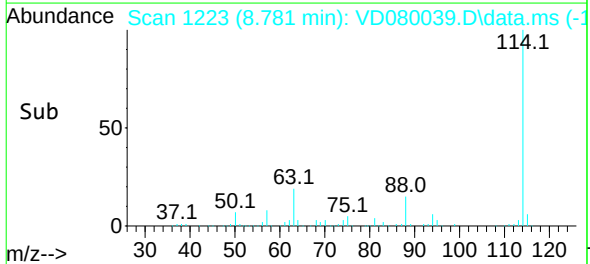
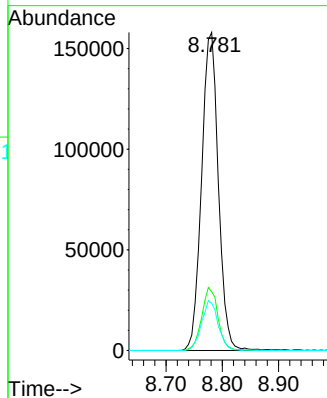
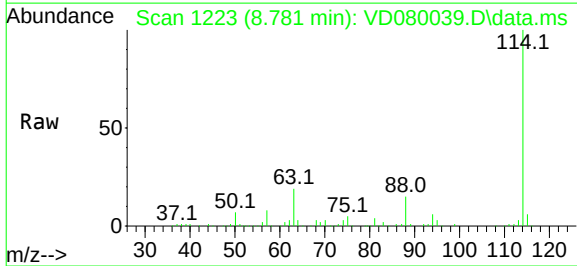
Tgt Ion:114 Resp: 327480

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.8

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.842 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD080039.D

Acq: 17 Nov 2024 13:55

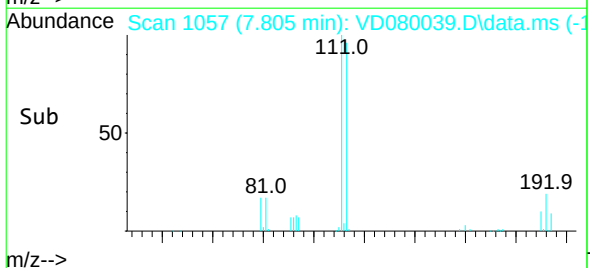
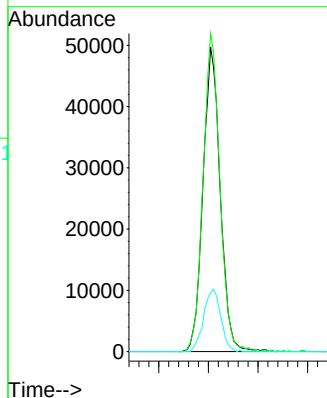
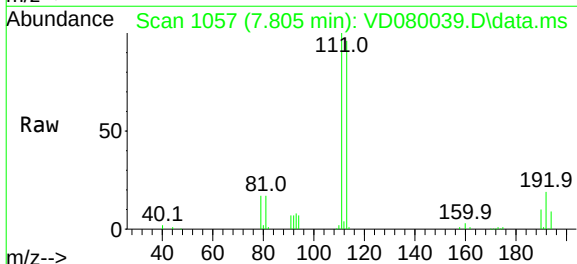
Tgt Ion:113 Resp: 119527

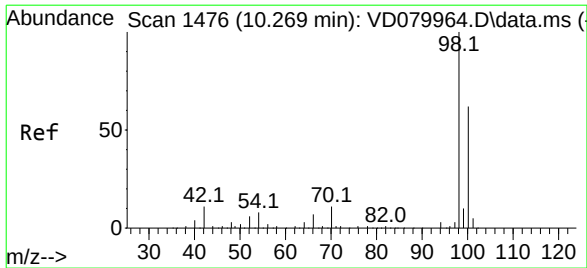
Ion Ratio Lower Upper

113 100

111 102.2 82.5 123.7

192 20.4 16.6 25.0





#50

Toluene-d8

Concen: 51.326 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD080039.D

Acq: 17 Nov 2024 13:55

Instrument :

MSVOA_D

ClientSampleId :

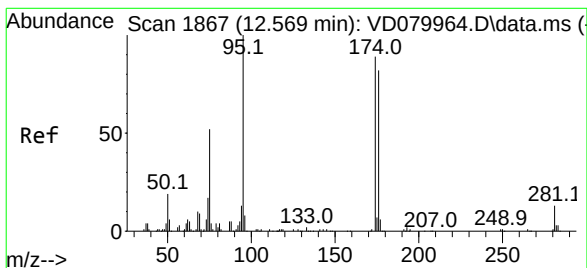
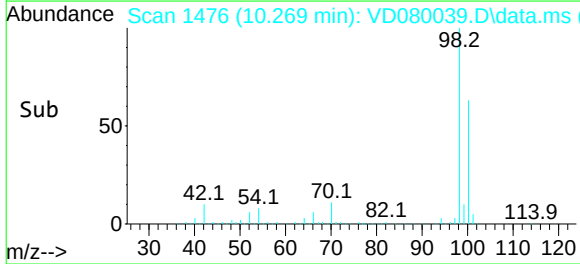
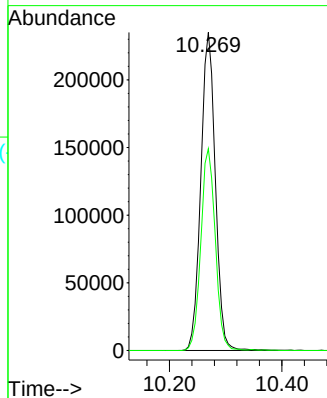
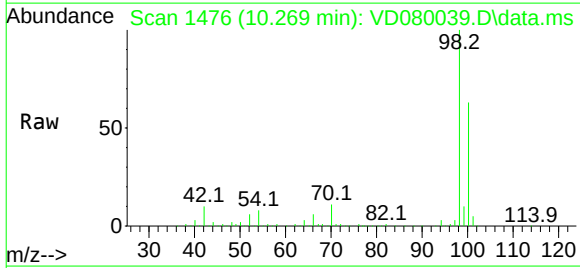
VD1117SBL01

Tgt Ion: 98 Resp: 421612

Ion Ratio Lower Upper

98 100

100 63.2 50.2 75.4



#62

4-Bromofluorobenzene

Concen: 47.621 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VD080039.D

Acq: 17 Nov 2024 13:55

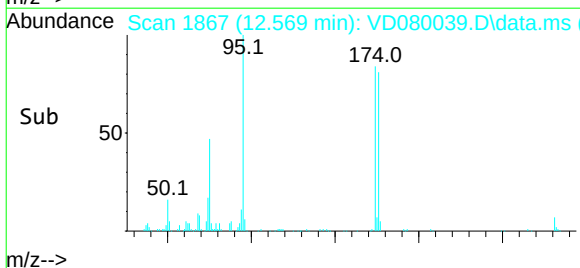
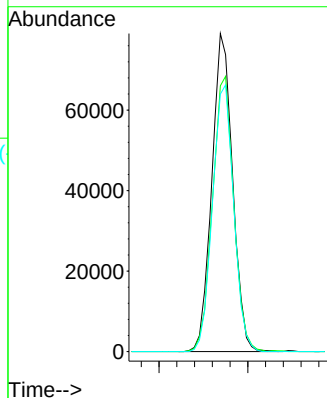
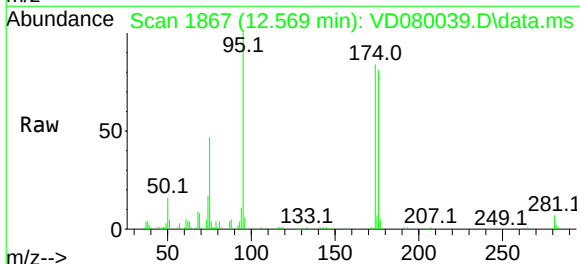
Tgt Ion: 95 Resp: 128341

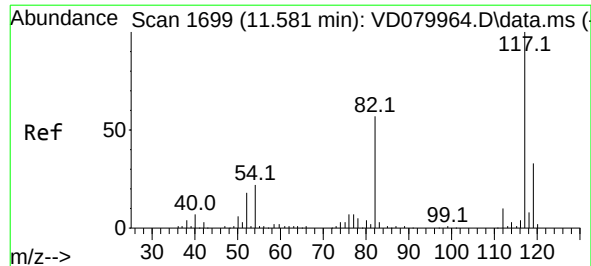
Ion Ratio Lower Upper

95 100

174 88.1 0.0 173.4

176 85.5 0.0 166.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VD080039.D

Acq: 17 Nov 2024 13:55

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBL01

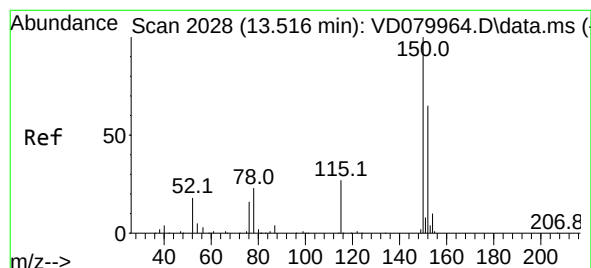
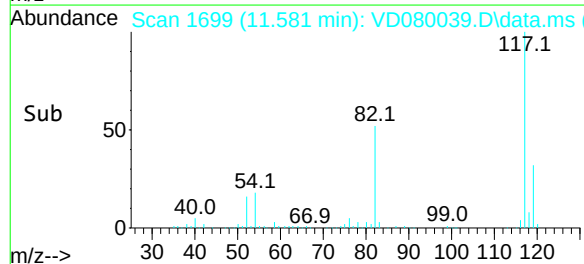
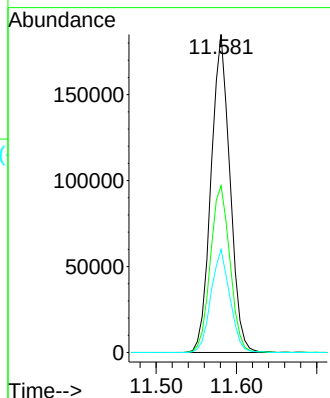
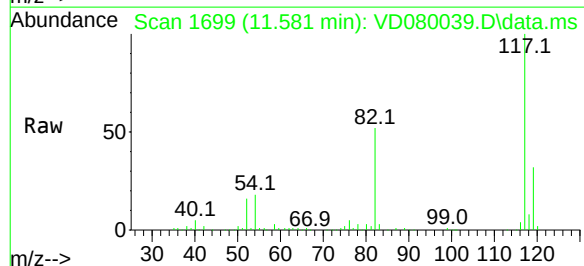
Tgt Ion:117 Resp: 302809

Ion Ratio Lower Upper

117 100

82 52.5 45.8 68.6

119 32.4 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD080039.D

Acq: 17 Nov 2024 13:55

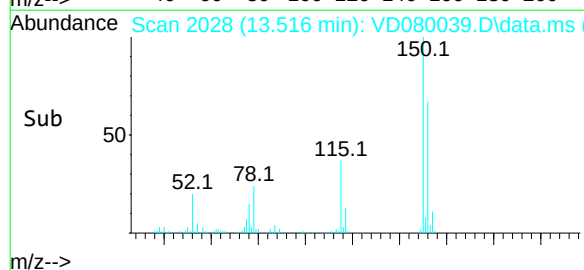
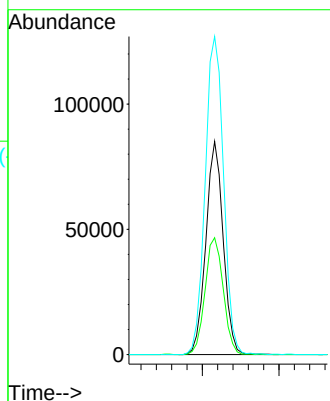
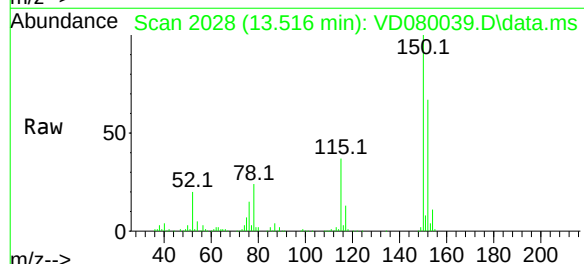
Tgt Ion:152 Resp: 133574

Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.8

150 158.1 0.0 354.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
 Data File : VD080039.D
 Acq On : 17 Nov 2024 13:55
 Operator : RP/MD
 Sample : VD1117SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBL01

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_D\Method\82D111524S.M
 Title : SW846 8260

Signal : TIC: VD080039.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	19	26	45	rVB	845313	1369356	100.00%	19.782%
2	4.805	538	547	557	rVB5	4915	15319	1.12%	0.221%
3	7.805	1046	1057	1063	rBV	164185	393407	28.73%	5.683%
4	7.875	1063	1069	1081	rVB	236459	551724	40.29%	7.970%
5	8.234	1118	1130	1144	rBV	150573	339268	24.78%	4.901%
6	8.775	1213	1222	1236	rBV	356593	746392	54.51%	10.783%
7	10.269	1466	1476	1484	rBV	600984	1077090	78.66%	15.560%
8	10.663	1535	1543	1551	rBV2	24196	44093	3.22%	0.637%
9	11.581	1691	1699	1712	rBV	529398	892605	65.18%	12.895%
10	12.575	1859	1868	1876	rBV	396286	672026	49.08%	9.708%
11	13.516	2021	2028	2037	rVB	477068	784605	57.30%	11.335%
12	14.045	2113	2118	2127	rVB3	13595	22166	1.62%	0.320%
13	15.475	2356	2361	2366	rBV5	7579	14134	1.03%	0.204%

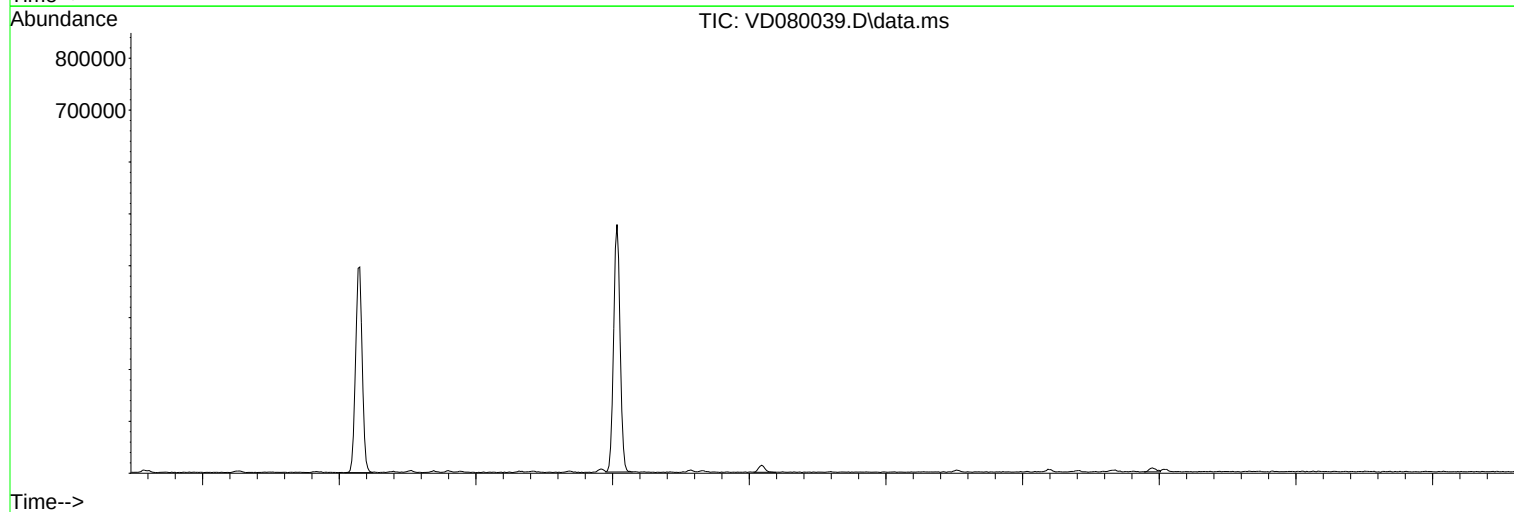
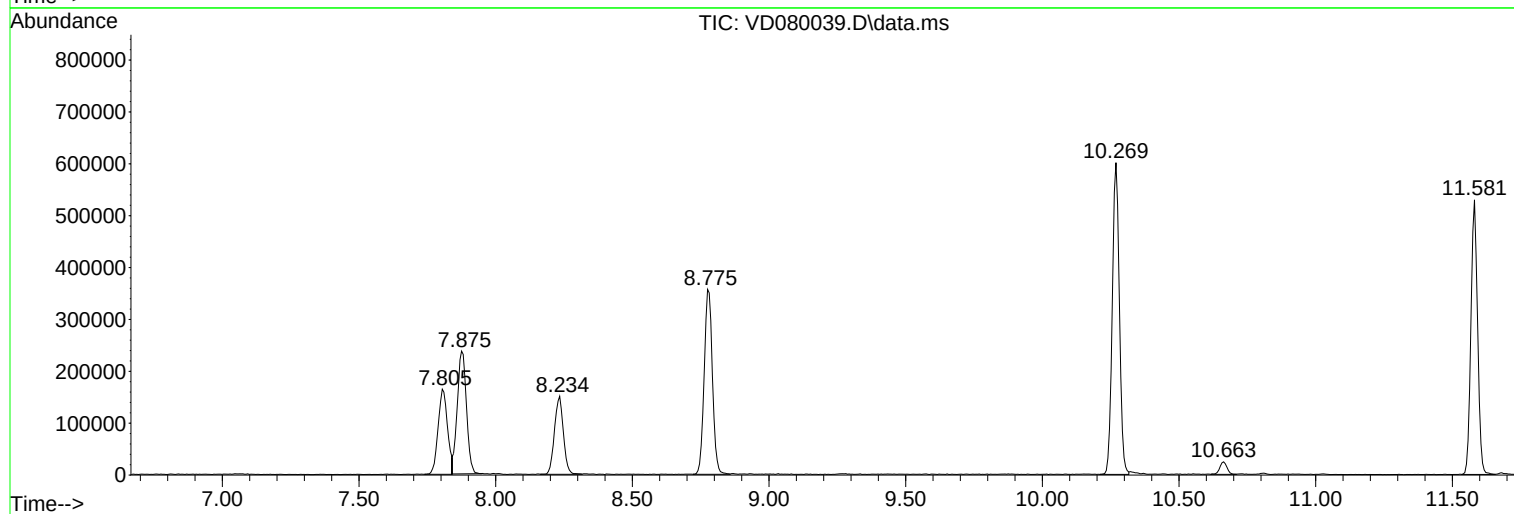
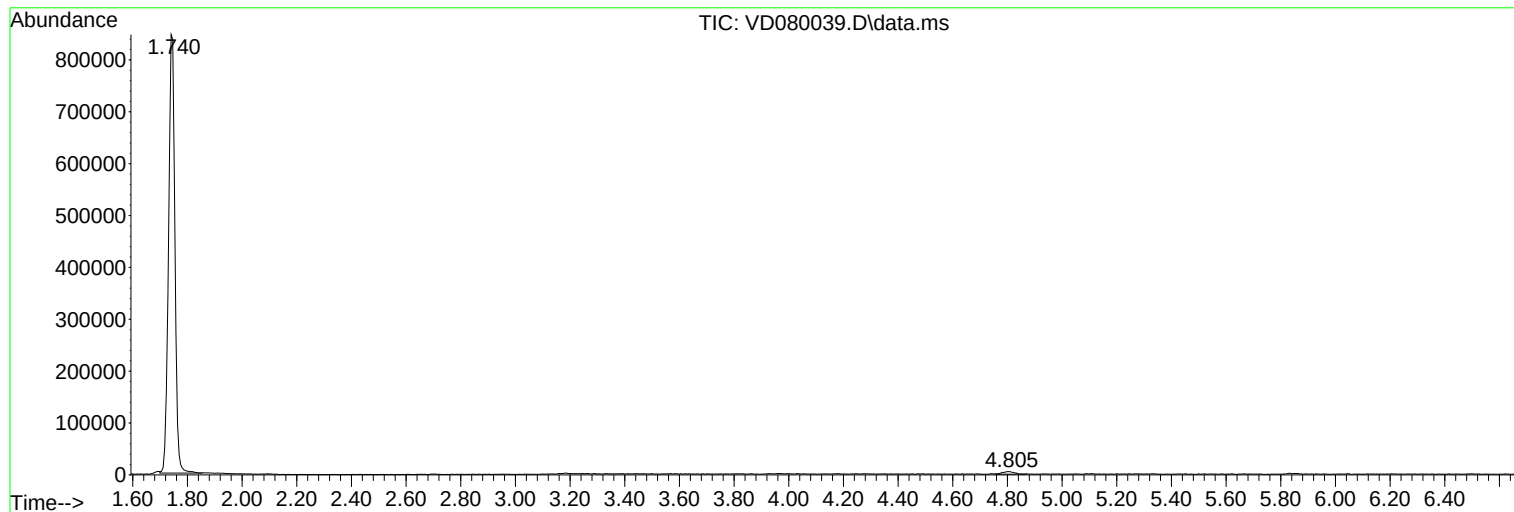
Sum of corrected areas: 6922185

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
Data File : VD080039.D
Acq On : 17 Nov 2024 13:55
Operator : RP/MD
Sample : VD1117SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
Data File : VD080039.D
Acq On : 17 Nov 2024 13:55
Operator : RP/MD
Sample : VD1117SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.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_D\Data\VD111724\
Data File : VD080039.D
Acq On : 17 Nov 2024 13:55
Operator : RP/MD
Sample : VD1117SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	VY1113SBL01	SDG No.:	P4822
Lab Sample ID:	VY1113SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020277.D	1		11/13/24 12:00	VY111324

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

Report of Analysis

Client:	BAPS North Bergen			Date Collected:	
Project:	BAPS North Bergen			Date Received:	
Client Sample ID:	VY1113SBL01			SDG No.:	P4822
Lab Sample ID:	VY1113SBL01			Matrix:	SOIL
Analytical Method:	SW8260			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020277.D	1		11/13/24 12:00	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		70 (50) - 130 (163)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (54) - 130 (147)	101%	SPK: 50
2037-26-5	Toluene-d8	52.8		70 (58) - 130 (134)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		70 (29) - 130 (146)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	7.719			
540-36-3	1,4-Difluorobenzene	374000	8.622			
3114-55-4	Chlorobenzene-d5	291000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	108000	13.353			

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	VY1113SBL01	SDG No.:	P4822
Lab Sample ID:	VY1113SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020277.D	1		11/13/24 12:00	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020277.D
 Acq On : 13 Nov 2024 12:00
 Operator : SY/MD
 Sample : VY1113SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBL01

Quant Time: Nov 14 00:54:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	201367	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.622	114	373967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	291234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	108368	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	132507	52.725	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.440%
35) Dibromofluoromethane	7.646	113	119666	50.329	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.660%
50) Toluene-d8	10.109	98	499470	52.774	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.540%
62) 4-Bromofluorobenzene	12.408	95	147677	48.039	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	96.080%

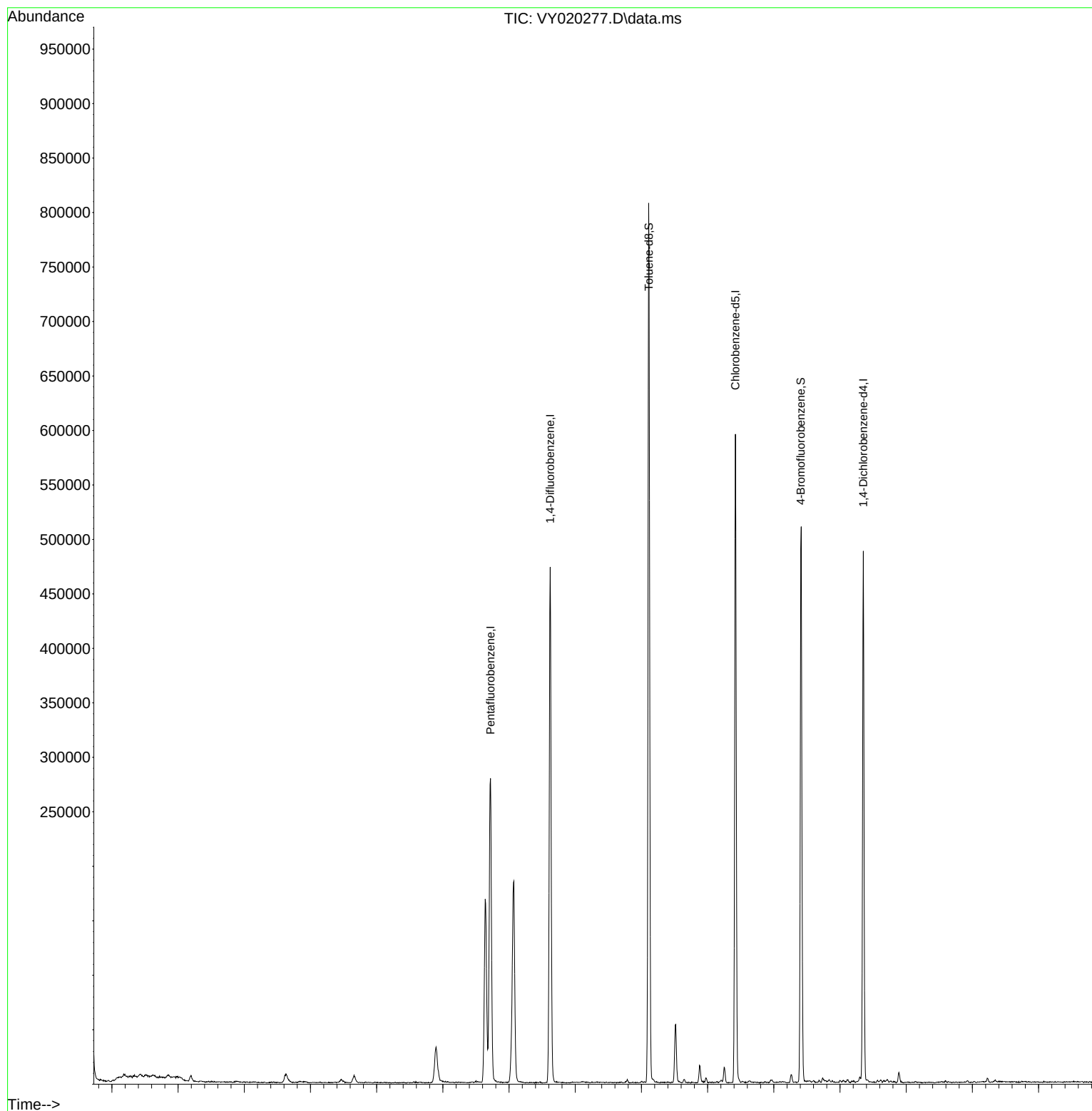
Target Compounds	Qvalue

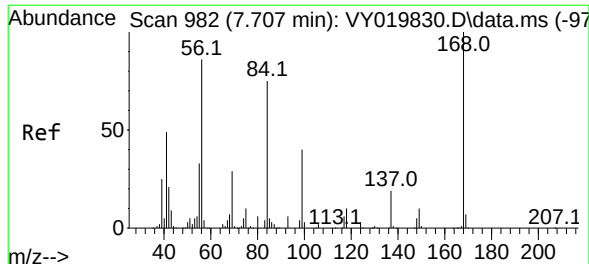
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020277.D
Acq On : 13 Nov 2024 12:00
Operator : SY/MD
Sample : VY1113SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

Quant Time: Nov 14 00:54:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

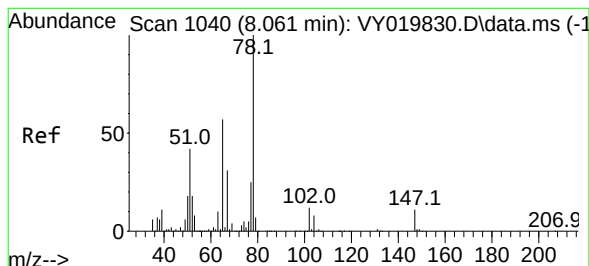
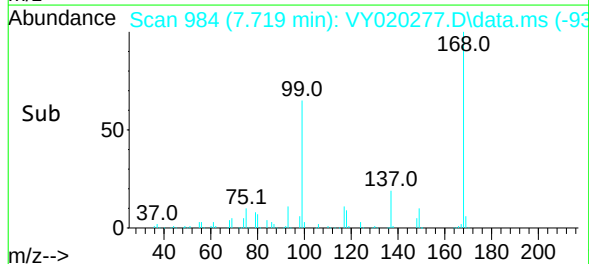
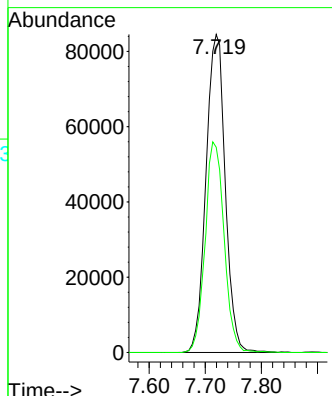
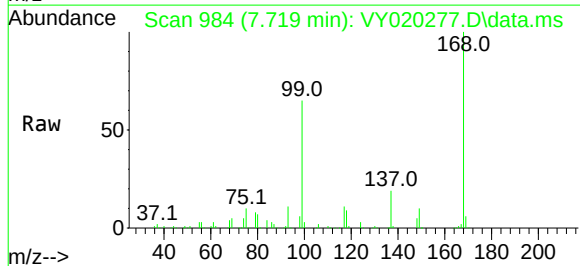




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.012 min
Lab File: VY020277.D
Acq: 13 Nov 2024 12:00

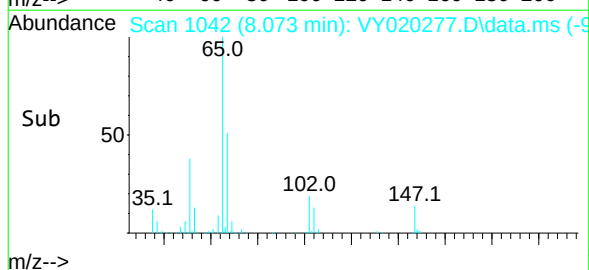
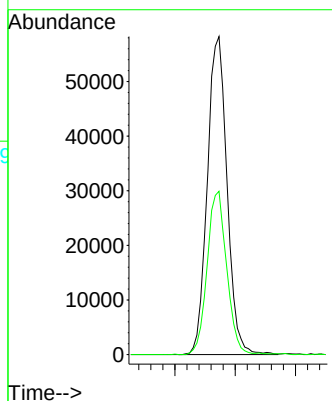
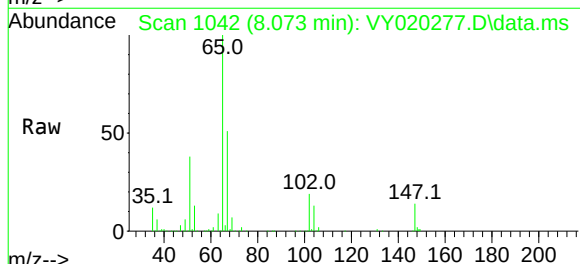
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

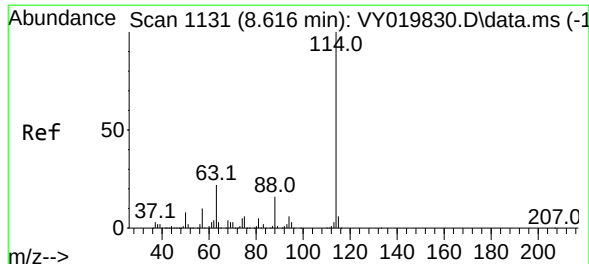
Tgt Ion:168 Resp: 201367
Ion Ratio Lower Upper
168 100
99 64.5 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 52.725 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.013 min
Lab File: VY020277.D
Acq: 13 Nov 2024 12:00

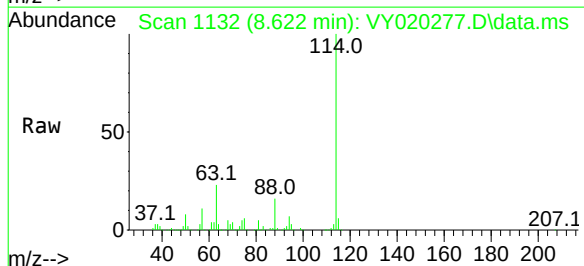
Tgt Ion: 65 Resp: 132507
Ion Ratio Lower Upper
65 100
67 50.9 0.0 109.6



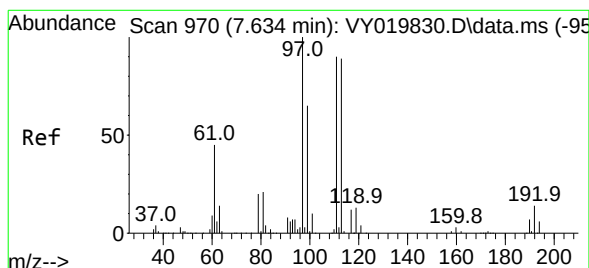
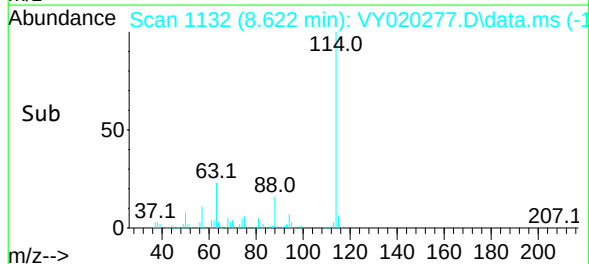
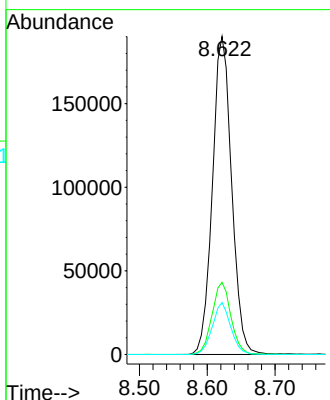


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY020277.D
Acq: 13 Nov 2024 12:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

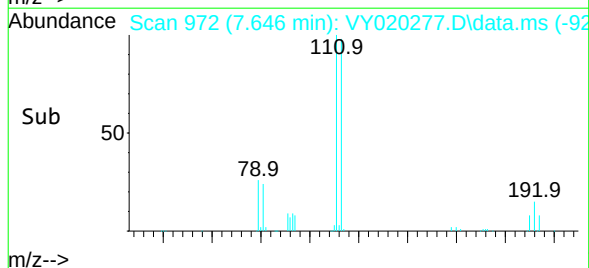
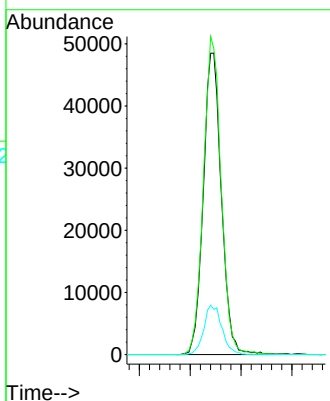
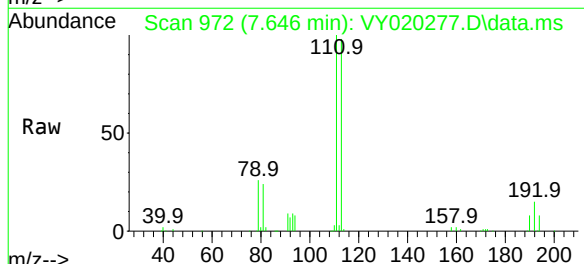


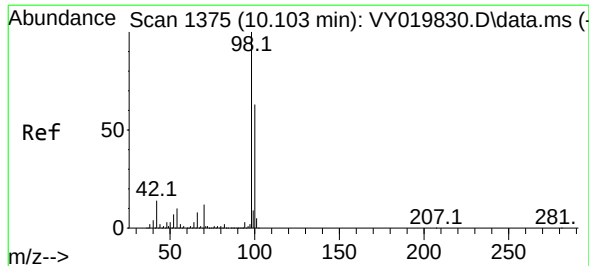
Tgt Ion:114 Resp: 373967
Ion Ratio Lower Upper
114 100
63 22.7 0.0 35.0
88 16.3 0.0 27.2



#35
Dibromofluoromethane
Concen: 50.329 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.013 min
Lab File: VY020277.D
Acq: 13 Nov 2024 12:00

Tgt Ion:113 Resp: 119666
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.4
192 16.4 15.9 23.9





#50

Toluene-d8

Concen: 52.774 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020277.D

Acq: 13 Nov 2024 12:00

Instrument :

MSVOA_Y

ClientSampleId :

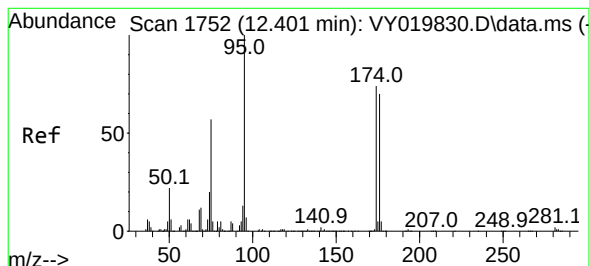
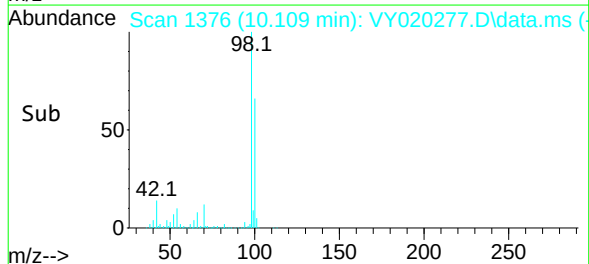
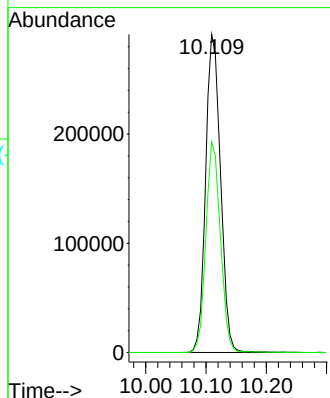
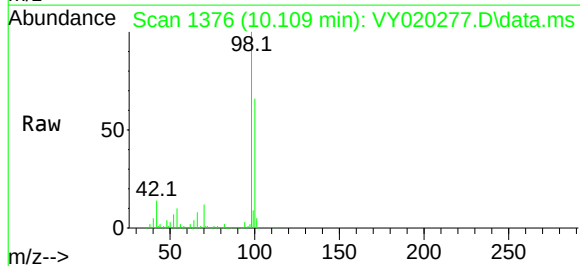
VY1113SBL01

Tgt Ion: 98 Resp: 499470

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 48.039 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020277.D

Acq: 13 Nov 2024 12:00

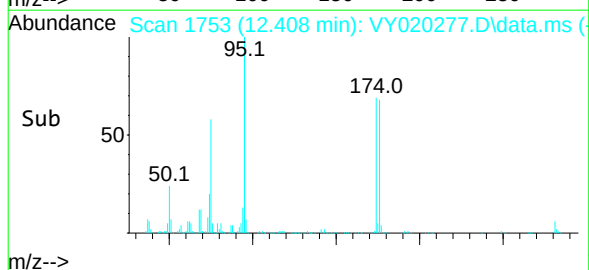
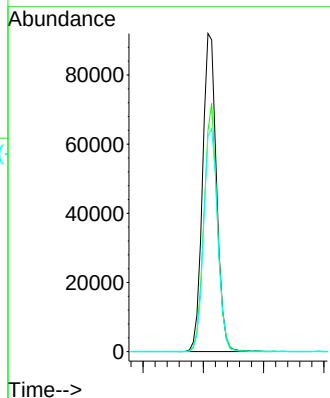
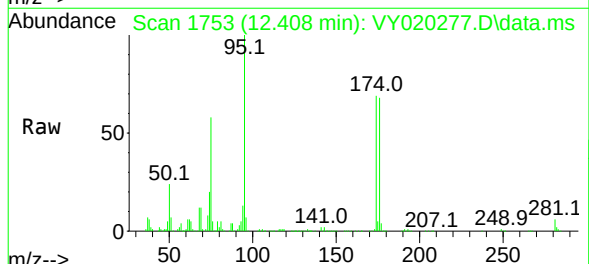
Tgt Ion: 95 Resp: 147677

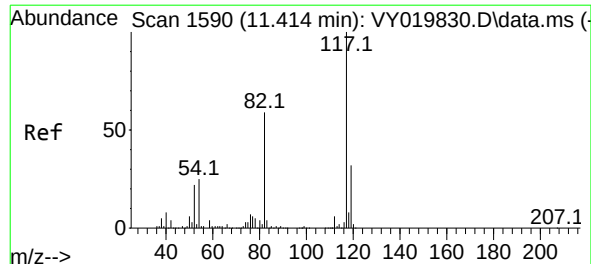
Ion Ratio Lower Upper

95 100

174 74.8 0.0 175.6

176 70.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 15

Delta R.T. 0.000 min

Lab File: VY020277.D

Acq: 13 Nov 2024 12:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBL01

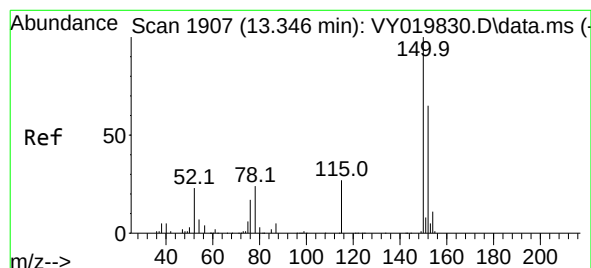
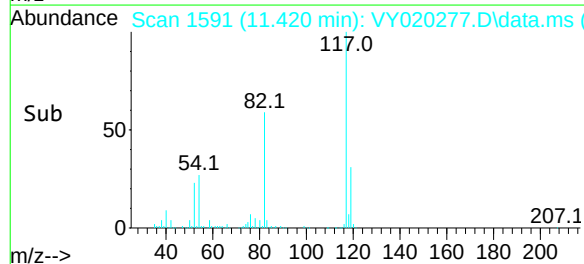
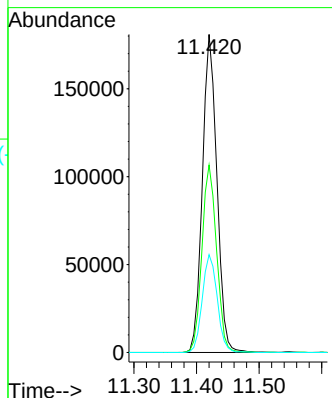
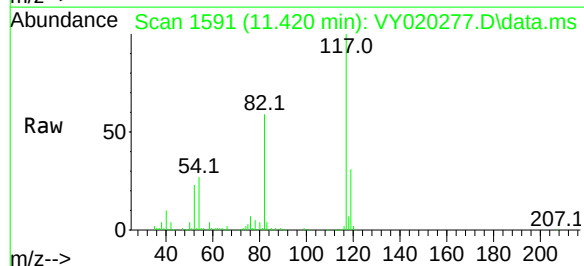
Tgt Ion:117 Resp: 291234

Ion Ratio Lower Upper

117 100

82 58.9 42.4 63.6

119 30.7 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY020277.D

Acq: 13 Nov 2024 12:00

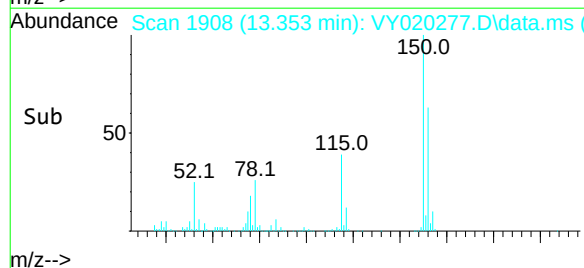
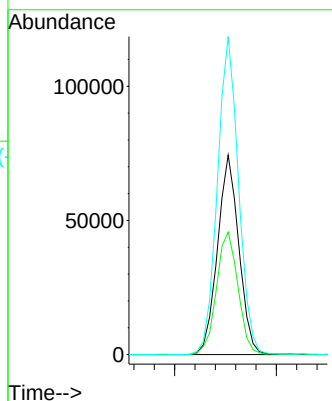
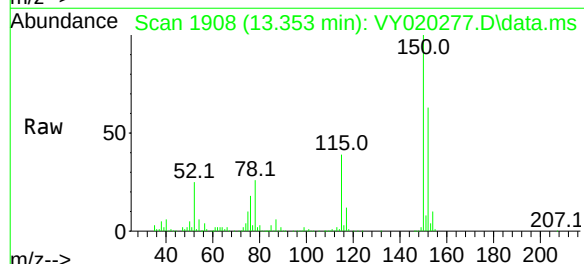
Tgt Ion:152 Resp: 108368

Ion Ratio Lower Upper

152 100

115 62.1 28.2 84.7

150 157.9 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020277.D
Acq On : 13 Nov 2024 12:00
Operator : SY/MD
Sample : VY1113SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

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_Y\methods\82Y103024S.M

Title : SW846 8260

Signal : TIC: VY020277.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.629	476	477	487	rVB5	7401	14278	1.04%	0.212%
2	5.659	637	646	657	rBV5	7049	19782	1.44%	0.294%
3	6.896	839	849	859	rBV	32352	103597	7.55%	1.539%
4	7.640	962	971	977	rBV	168322	404330	29.47%	6.005%
5	7.719	977	984	996	rVB2	278132	658393	47.98%	9.778%
6	8.073	1029	1042	1056	rBV2	184648	496170	36.16%	7.369%
7	8.622	1124	1132	1143	rBV	472990	921676	67.17%	13.688%
8	10.109	1369	1376	1385	rBV	807041	1372105	100.00%	20.377%
9	10.518	1435	1443	1450	rBV	53431	103535	7.55%	1.538%
10	10.877	1497	1502	1508	rBV2	16131	28415	2.07%	0.422%
11	11.249	1558	1563	1571	rVB3	14385	25956	1.89%	0.385%
12	11.420	1584	1591	1604	rBV	595145	974614	71.03%	14.474%
13	12.414	1742	1754	1764	rBV2	510360	870021	63.41%	12.921%
14	13.353	1901	1908	1916	rVB	485992	726131	52.92%	10.784%
15	13.889	1991	1996	2001	rBV	8983	14485	1.06%	0.215%

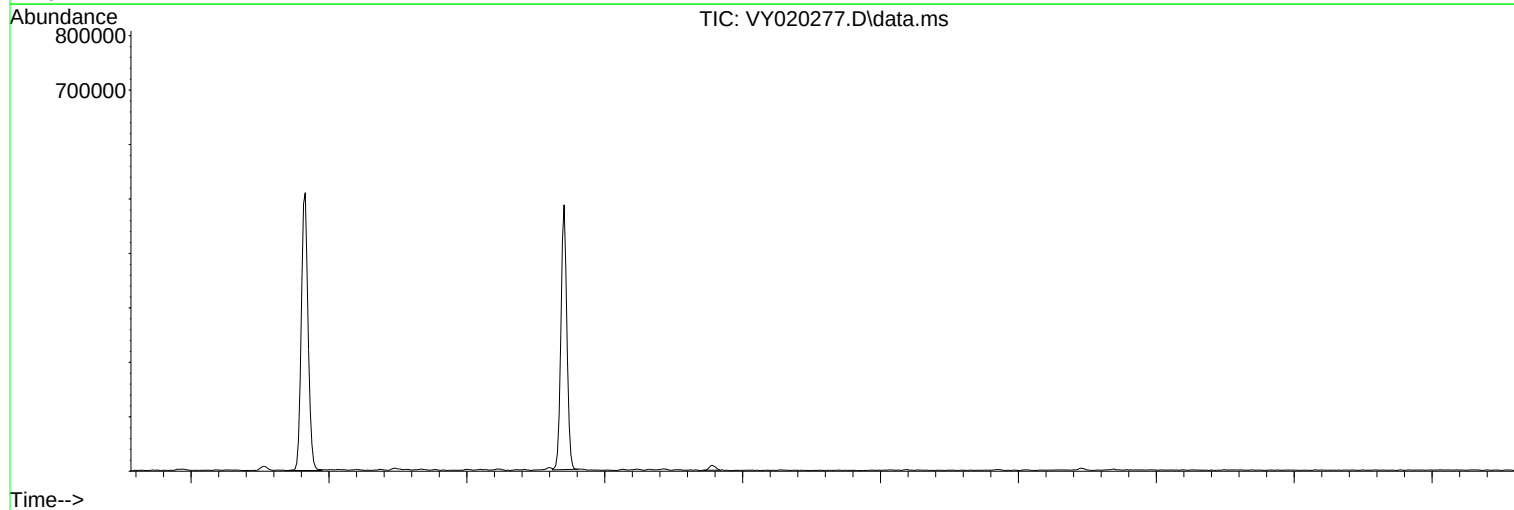
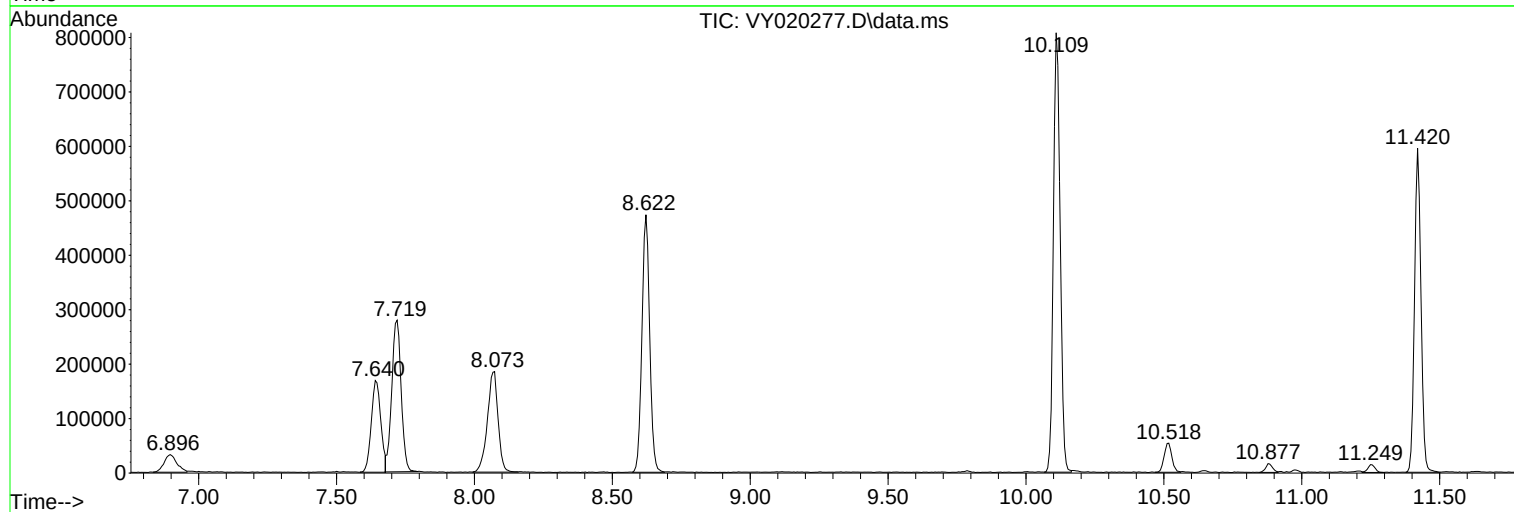
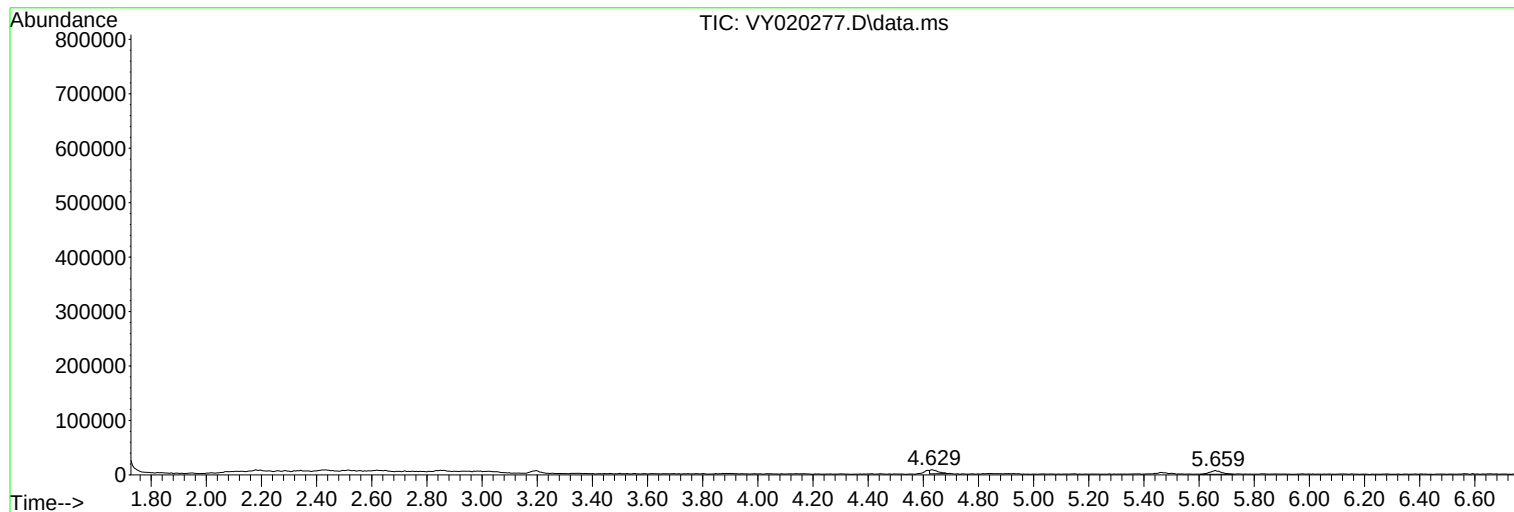
Sum of corrected areas: 6733488

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020277.D
Acq On : 13 Nov 2024 12:00
Operator : SY/MD
Sample : VY1113SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020277.D
Acq On : 13 Nov 2024 12:00
Operator : SY/MD
Sample : VY1113SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020277.D
Acq On : 13 Nov 2024 12:00
Operator : SY/MD
Sample : VY1113SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	VD1117SBS01	SDG No.:	P4822
Lab Sample ID:	VD1117SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080040.D	1		11/17/24 14:25	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.7		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.6		0.77	5.00	ug/Kg
74-83-9	Bromomethane	17.7		1.00	5.00	ug/Kg
75-00-3	Chloroethane	18.1		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.7		0.78	5.00	ug/Kg
67-64-1	Acetone	87.3		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.4		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.5		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	22.6		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	19.9		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.6		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.4		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.7		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.5		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.1		0.87	5.00	ug/Kg
71-43-2	Benzene	20.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.0		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	21.5		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.4		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	21.5		0.67	5.00	ug/Kg

Report of Analysis

Client:	BAPS North Bergen			Date Collected:	
Project:	BAPS North Bergen			Date Received:	
Client Sample ID:	VD1117SBS01			SDG No.:	P4822
Lab Sample ID:	VD1117SBS01			Matrix:	SOIL
Analytical Method:	SW8260			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080040.D	1		11/17/24 14:25	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.1		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.8		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.4		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	22.1		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	21.2		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.5		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.9		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.4		0.70	5.00	ug/Kg
100-42-5	Styrene	21.4		0.60	5.00	ug/Kg
75-25-2	Bromoform	22.0		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.5		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.9		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.4		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.6		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.7		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.2		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.3		70 (50) - 130 (163)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		70 (54) - 130 (147)	110%	SPK: 50
2037-26-5	Toluene-d8	56.1		70 (58) - 130 (134)	112%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.8		70 (29) - 130 (146)	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	7.875			
540-36-3	1,4-Difluorobenzene	311000	8.775			
3114-55-4	Chlorobenzene-d5	281000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	159000	13.516			

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	VD1117SBS01	SDG No.:	P4822
Lab Sample ID:	VD1117SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RTX-VMS	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080040.D	1		11/17/24 14:25	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
 Data File : VD080040.D
 Acq On : 17 Nov 2024 14:25
 Operator : RP/MD
 Sample : VD1117SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Quant Time: Nov 18 04:21:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	193786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	310601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	280607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	159474	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.234	65	112251	56.260	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.520%
35) Dibromofluoromethane	7.810	113	113977	55.137	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.280%
50) Toluene-d8	10.269	98	436894	56.076	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.160%
62) 4-Bromofluorobenzene	12.569	95	145243	56.821	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.640%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	29127	18.728	ug/l	89
3) Chloromethane	2.146	50	20922	18.293	ug/l	98
4) Vinyl Chloride	2.287	62	24231	18.557	ug/l	98
5) Bromomethane	2.687	94	25618	17.694	ug/l	95
6) Chloroethane	2.834	64	16855	18.059	ug/l	88
7) Trichlorofluoromethane	3.175	101	63602	19.832	ug/l	96
8) Diethyl Ether	3.593	74	18993	20.287	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.969	101	42163	21.045	ug/l	92
10) Methyl Iodide	4.163	142	52169	21.038	ug/l	95
11) Tert butyl alcohol	5.063	59	11877	114.388	ug/l #	87
12) 1,1-Dichloroethene	3.940	96	41627	20.731	ug/l	92
13) Acrolein	3.799	56	17338	87.025	ug/l	98
14) Allyl chloride	4.558	41	61682	21.671	ug/l	96
15) Acrylonitrile	5.258	53	46561	111.949	ug/l	99
16) Acetone	4.022	43	37805	87.328	ug/l	93
17) Carbon Disulfide	4.269	76	131938	20.405	ug/l	98
18) Methyl Acetate	4.563	43	21499	22.392	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	87978	21.476	ug/l	98
20) Methylene Chloride	4.799	84	52574	22.645	ug/l	93
21) trans-1,2-Dichloroethene	5.310	96	46927	21.140	ug/l	90
22) Diisopropyl ether	6.222	45	127325	22.090	ug/l	98
23) Vinyl Acetate	6.157	43	357231	108.178	ug/l	99
24) 1,1-Dichloroethane	6.116	63	82982	21.647	ug/l	98
25) 2-Butanone	7.087	43	56859	100.509	ug/l	94
26) 2,2-Dichloropropane	7.081	77	69050	20.722	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	53883	21.152	ug/l	97
28) Bromochloromethane	7.422	49	33052	19.374	ug/l #	94
29) Tetrahydrofuran	7.440	42	34299	110.685	ug/l	96
30) Chloroform	7.599	83	87436	21.650	ug/l	97
31) Cyclohexane	7.875	56	64627	19.891	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	74249	21.483	ug/l	100
36) 1,1-Dichloropropene	8.004	75	58881	20.831	ug/l	99
37) Ethyl Acetate	7.169	43	26855	22.104	ug/l	99
38) Carbon Tetrachloride	7.987	117	63686	20.622	ug/l	96
39) Methylcyclohexane	9.275	83	67613	20.091	ug/l	95
40) Benzene	8.251	78	184068	20.892	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
 Data File : VD080040.D
 Acq On : 17 Nov 2024 14:25
 Operator : RP/MD
 Sample : VD1117SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 18 04:21:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	14978	22.844	ug/l #	87
42) 1,2-Dichloroethane	8.322	62	50056	21.953	ug/l	98
43) Isopropyl Acetate	8.357	43	46221	20.987	ug/l	99
44) Trichloroethene	9.028	130	48975	21.481	ug/l	96
45) 1,2-Dichloropropane	9.304	63	44682	21.103	ug/l	94
46) Dibromomethane	9.393	93	26112	21.203	ug/l	96
47) Bromodichloromethane	9.581	83	66033	21.421	ug/l	99
48) Methyl methacrylate	9.375	41	22892	21.772	ug/l	98
49) 1,4-Dioxane	9.381	88	5785	512.062	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	124608	111.517	ug/l	97
52) Toluene	10.334	92	117656	21.489	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	57913	21.075	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	70860	21.781	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	34887	21.412	ug/l	95
56) Ethyl methacrylate	10.598	69	38747	20.451	ug/l	100
57) 1,3-Dichloropropane	10.881	76	57440	21.671	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	75477	105.330	ug/l	98
59) 2-Hexanone	10.922	43	86831	105.647	ug/l	97
60) Dibromochloromethane	11.075	129	46010	21.939	ug/l	98
61) 1,2-Dibromoethane	11.181	107	33958	22.105	ug/l	98
64) Tetrachloroethene	10.804	164	40904	20.469	ug/l	91
65) Chlorobenzene	11.604	112	129862	21.215	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.675	131	45559	21.382	ug/l	98
67) Ethyl Benzene	11.681	91	210632	20.508	ug/l	96
68) m/p-Xylenes	11.792	106	172389	42.948	ug/l	97
69) o-Xylene	12.122	106	77145	21.381	ug/l	94
70) Styrene	12.134	104	137899	21.413	ug/l	99
71) Bromoform	12.298	173	27610	21.977	ug/l #	97
73) Isopropylbenzene	12.422	105	200697	19.515	ug/l	99
74) N-amyl acetate	12.234	43	45929	20.268	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	41289	20.890	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	27106m	19.249	ug/l	
77) Bromobenzene	12.698	156	52121	19.502	ug/l	97
78) n-propylbenzene	12.763	91	255724	20.120	ug/l	99
79) 2-Chlorotoluene	12.845	91	148690	19.950	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	173062	19.883	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	13624	19.801	ug/l	98
82) 4-Chlorotoluene	12.945	91	159304	19.993	ug/l	99
83) tert-Butylbenzene	13.163	119	141198	18.731	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	175024	20.017	ug/l	99
85) sec-Butylbenzene	13.345	105	217717	19.539	ug/l	98
86) p-Isopropyltoluene	13.457	119	191824	20.367	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	110671	20.449	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	111796	20.568	ug/l	99
89) n-Butylbenzene	13.786	91	168316	18.996	ug/l	98
90) Hexachloroethane	14.051	117	40693	20.155	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	97560	20.673	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.439	75	5933	19.852	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	58536	19.781	ug/l	99
94) Hexachlorobutadiene	15.204	225	29450	18.413	ug/l	95
95) Naphthalene	15.328	128	97405	19.378	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	52496	20.200	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
Data File : VD080040.D
Acq On : 17 Nov 2024 14:25
Operator : RP/MD
Sample : VD1117SBS01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

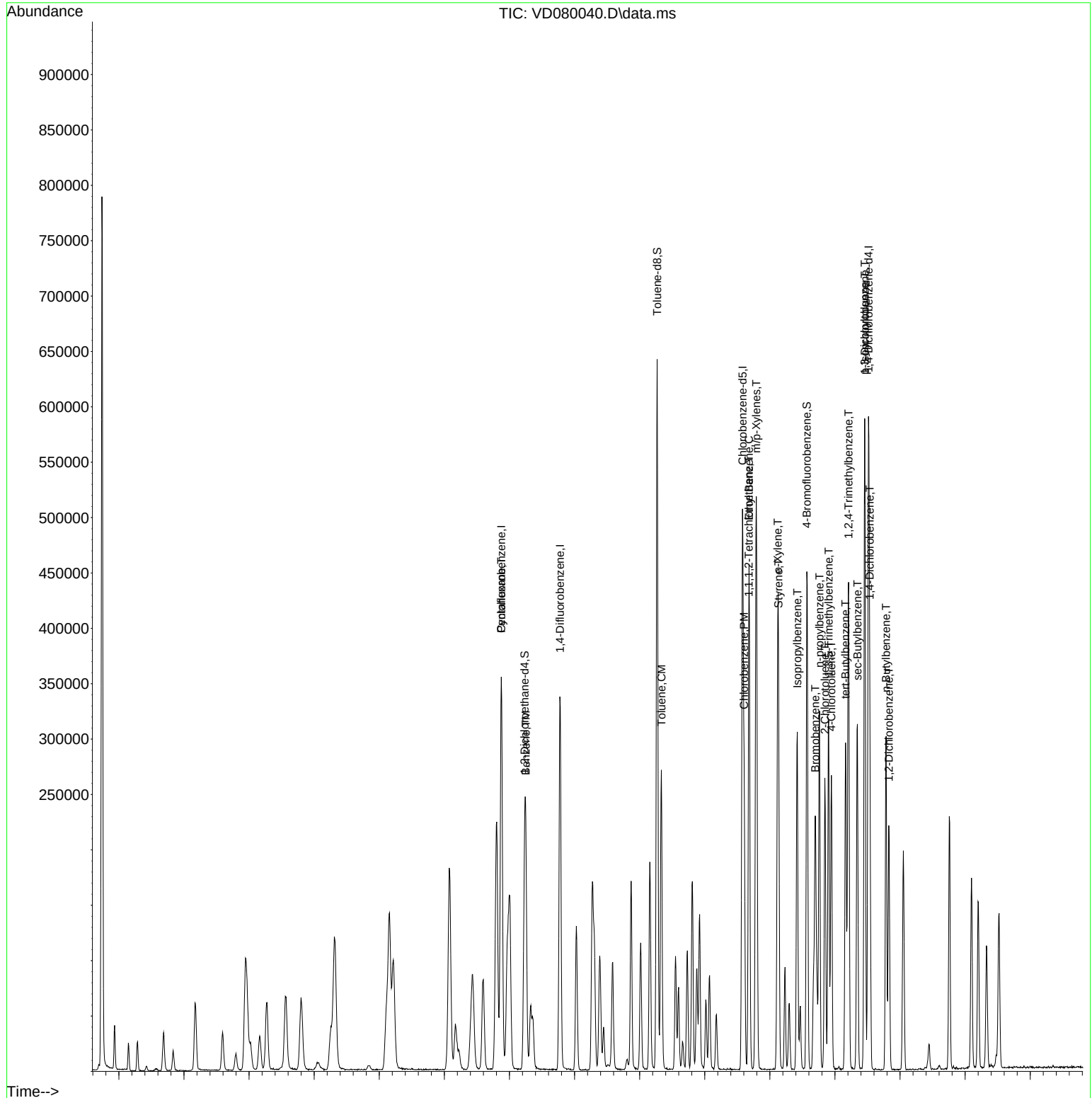
Quant Time: Nov 18 04:21:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

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

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

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024



Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	VY1113SBS02	SDG No.:	P4822
Lab Sample ID:	VY1113SBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020294.D	1		11/13/24 19:32	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.7		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.1		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.4		0.77	5.00	ug/Kg
74-83-9	Bromomethane	17.4		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.1		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	23.0		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	17.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	16.5		0.78	5.00	ug/Kg
67-64-1	Acetone	90.7		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	13.8		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.6		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	19.1		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	16.6		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	16.6		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	24.4		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	19.8		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	28.0		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.4		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.5		2.40	5.00	ug/Kg
67-66-3	Chloroform	19.9		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.9		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	22.9		0.87	5.00	ug/Kg
71-43-2	Benzene	26.6		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	28.5		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	23.4		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	26.8		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	26.5		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	140		4.40	25.0	ug/Kg
108-88-3	Toluene	23.5		0.67	5.00	ug/Kg

Report of Analysis

Client:	BAPS North Bergen			Date Collected:	
Project:	BAPS North Bergen			Date Received:	
Client Sample ID:	VY1113SBS02			SDG No.:	P4822
Lab Sample ID:	VY1113SBS02			Matrix:	SOIL
Analytical Method:	SW8260			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020294.D	1		11/13/24 19:32	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	22.9		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	27.3		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	30.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	140		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	27.1		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	23.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	29.3		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	22.8		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	23.0		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	55.7		1.40	10.0	ug/Kg
95-47-6	o-Xylene	27.7		0.70	5.00	ug/Kg
100-42-5	Styrene	28.0		0.60	5.00	ug/Kg
75-25-2	Bromoform	32.3		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.8		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.2		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	22.7		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	22.3		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	22.5		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.3		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.7		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.0		70 (50) - 130 (163)	122%	SPK: 50
1868-53-7	Dibromofluoromethane	57.9		70 (54) - 130 (147)	116%	SPK: 50
2037-26-5	Toluene-d8	62.7		70 (58) - 130 (134)	125%	SPK: 50
460-00-4	4-Bromofluorobenzene	72.7	*	70 (29) - 130 (146)	145%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	239000	7.713			
540-36-3	1,4-Difluorobenzene	372000	8.615			
3114-55-4	Chlorobenzene-d5	329000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	186000	13.346			



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

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	
Project:	BAPS North Bergen		Date Received:	
Client Sample ID:	VY1113SBS02		SDG No.:	P4822
Lab Sample ID:	VY1113SBS02		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020294.D	1		11/13/24 19:32	VY111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020294.D
 Acq On : 13 Nov 2024 19:32
 Operator : SY/MD
 Sample : VY1113SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBS02

Quant Time: Nov 14 01:02:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	238729	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	371931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	329120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	186078	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	181888	61.047	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.100%	
35) Dibromofluoromethane	7.640	113	136828	57.862	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.720%	
50) Toluene-d8	10.109	98	590314	62.714	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 125.420%	
62) 4-Bromofluorobenzene	12.407	95	222220	72.684	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 145.360%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	36922	16.708	ug/l	95
3) Chloromethane	2.068	50	66344	18.125	ug/l	99
4) Vinyl Chloride	2.208	62	72358	18.414	ug/l	94
5) Bromomethane	2.598	94	45371	17.391	ug/l	97
6) Chloroethane	2.738	64	48461	19.109	ug/l	98
7) Trichlorofluoromethane	3.062	101	110376	22.993	ug/l	91
8) Diethyl Ether	3.458	74	24756	18.490	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.811	101	48071	17.853	ug/l	91
10) Methyl Iodide	4.007	142	42265	16.259	ug/l	# 89
11) Tert butyl alcohol	4.872	59	21250	99.152	ug/l	# 91
12) 1,1-Dichloroethene	3.793	96	42587	16.531	ug/l	87
13) Acrolein	3.659	56	14891	55.815	ug/l	94
14) Allyl chloride	4.391	41	79145	17.028	ug/l	# 90
15) Acrylonitrile	5.067	53	60862	99.861	ug/l	99
16) Acetone	3.872	43	62845	90.699	ug/l	# 79
17) Carbon Disulfide	4.110	76	118042	13.769	ug/l	99
18) Methyl Acetate	4.384	43	30993	19.064	ug/l	# 87
19) Methyl tert-butyl Ether	5.128	73	120266	18.556	ug/l	99
20) Methylene Chloride	4.628	84	51529	16.555	ug/l	# 86
21) trans-1,2-Dichloroethene	5.116	96	48356	16.644	ug/l	85
22) Diisopropyl ether	6.031	45	235599	24.426	ug/l	# 90
23) Vinyl Acetate	5.970	43	652738	120.252	ug/l	# 91
24) 1,1-Dichloroethane	5.921	63	136390	24.421	ug/l	96
25) 2-Butanone	6.902	43	98778	105.167	ug/l	# 78
26) 2,2-Dichloropropane	6.890	77	91061	19.596	ug/l	96
27) cis-1,2-Dichloroethene	6.902	96	68206	20.422	ug/l	84
28) Bromochloromethane	7.250	49	51043	19.518	ug/l	# 74
29) Tetrahydrofuran	7.268	42	66242	122.208	ug/l	# 83
30) Chloroform	7.427	83	110038	19.855	ug/l	98
31) Cyclohexane	7.707	56	107149	19.817	ug/l	90
32) 1,1,1-Trichloroethane	7.622	97	96332	19.909	ug/l	94
36) 1,1-Dichloropropene	7.841	75	94809	25.954	ug/l	93
37) Ethyl Acetate	6.994	43	40774	23.412	ug/l	98
38) Carbon Tetrachloride	7.823	117	102843	27.997	ug/l	99
39) Methylcyclohexane	9.115	83	106091	22.883	ug/l	# 89
40) Benzene	8.085	78	283549	26.593	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020294.D
 Acq On : 13 Nov 2024 19:32
 Operator : SY/MD
 Sample : VY1113SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBS02

Quant Time: Nov 14 01:02:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	27004	30.953	ug/l #	83
42) 1,2-Dichloroethane	8.164	62	84075	28.487	ug/l	92
43) Isopropyl Acetate	8.201	43	94086	28.093	ug/l #	78
44) Trichloroethene	8.871	130	57881	23.422	ug/l	92
45) 1,2-Dichloropropane	9.146	63	68485	26.846	ug/l	99
46) Dibromomethane	9.237	93	36882	26.683	ug/l	92
47) Bromodichloromethane	9.426	83	95931	26.492	ug/l	98
48) Methyl methacrylate	9.225	41	43427	27.994	ug/l #	81
49) 1,4-Dioxane	9.237	88	7558	531.099	ug/l #	95
51) 4-Methyl-2-Pentanone	9.999	43	246340	142.751	ug/l	90
52) Toluene	10.170	92	154322	23.480	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	73144	22.875	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	104116	27.280	ug/l #	87
55) 1,1,2-Trichloroethane	10.572	97	51636	30.045	ug/l	98
56) Ethyl methacrylate	10.438	69	61804	25.070	ug/l #	77
57) 1,3-Dichloropropane	10.719	76	87710	27.869	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	143926	118.380	ug/l	93
59) 2-Hexanone	10.761	43	171236	138.409	ug/l	87
60) Dibromochloromethane	10.914	129	59459	27.141	ug/l	100
61) 1,2-Dibromoethane	11.017	107	37614	23.557	ug/l	100
64) Tetrachloroethene	10.646	164	63659	29.294	ug/l	91
65) Chlorobenzene	11.438	112	160179	22.841	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	56275	25.117	ug/l	97
67) Ethyl Benzene	11.517	91	301896	23.030	ug/l	99
68) m/p-Xylenes	11.627	106	267219	55.715	ug/l	93
69) o-Xylene	11.956	106	125653	27.672	ug/l	93
70) Styrene	11.968	104	210497	28.037	ug/l	95
71) Bromoform	12.133	173	37112	32.287	ug/l #	94
73) Isopropylbenzene	12.255	105	339116	22.813	ug/l	97
74) N-amyl acetate	12.072	43	83128	22.371	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	57832	22.246	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	47579m	27.277	ug/l	
77) Bromobenzene	12.535	156	70640	23.498	ug/l	84
78) n-propylbenzene	12.596	91	408726	22.093	ug/l	96
79) 2-Chlorotoluene	12.682	91	230532	22.449	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	267915	22.450	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	18899	23.305	ug/l #	82
82) 4-Chlorotoluene	12.779	91	236325	22.570	ug/l	95
83) tert-Butylbenzene	12.999	119	242031	23.193	ug/l	94
84) 1,2,4-Trimethylbenzene	13.041	105	267162	22.602	ug/l	96
85) sec-Butylbenzene	13.176	105	357137	22.293	ug/l	98
86) p-Isopropyltoluene	13.291	119	289862	22.548	ug/l	95
87) 1,3-Dichlorobenzene	13.291	146	138378	22.658	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	135796	22.328	ug/l	96
89) n-Butylbenzene	13.621	91	271439	21.063	ug/l	98
90) Hexachloroethane	13.883	117	56766	22.328	ug/l	89
91) 1,2-Dichlorobenzene	13.663	146	119558	22.522	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8003	20.299	ug/l	82
93) 1,2,4-Trichlorobenzene	14.925	180	57247	20.075	ug/l	97
94) Hexachlorobutadiene	15.029	225	32986	21.153	ug/l	97
95) Naphthalene	15.145	128	107398	20.147	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	47803	19.748	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020294.D
Acq On : 13 Nov 2024 19:32
Operator : SY/MD
Sample : VY1113SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS02

Quant Time: Nov 14 01:02:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

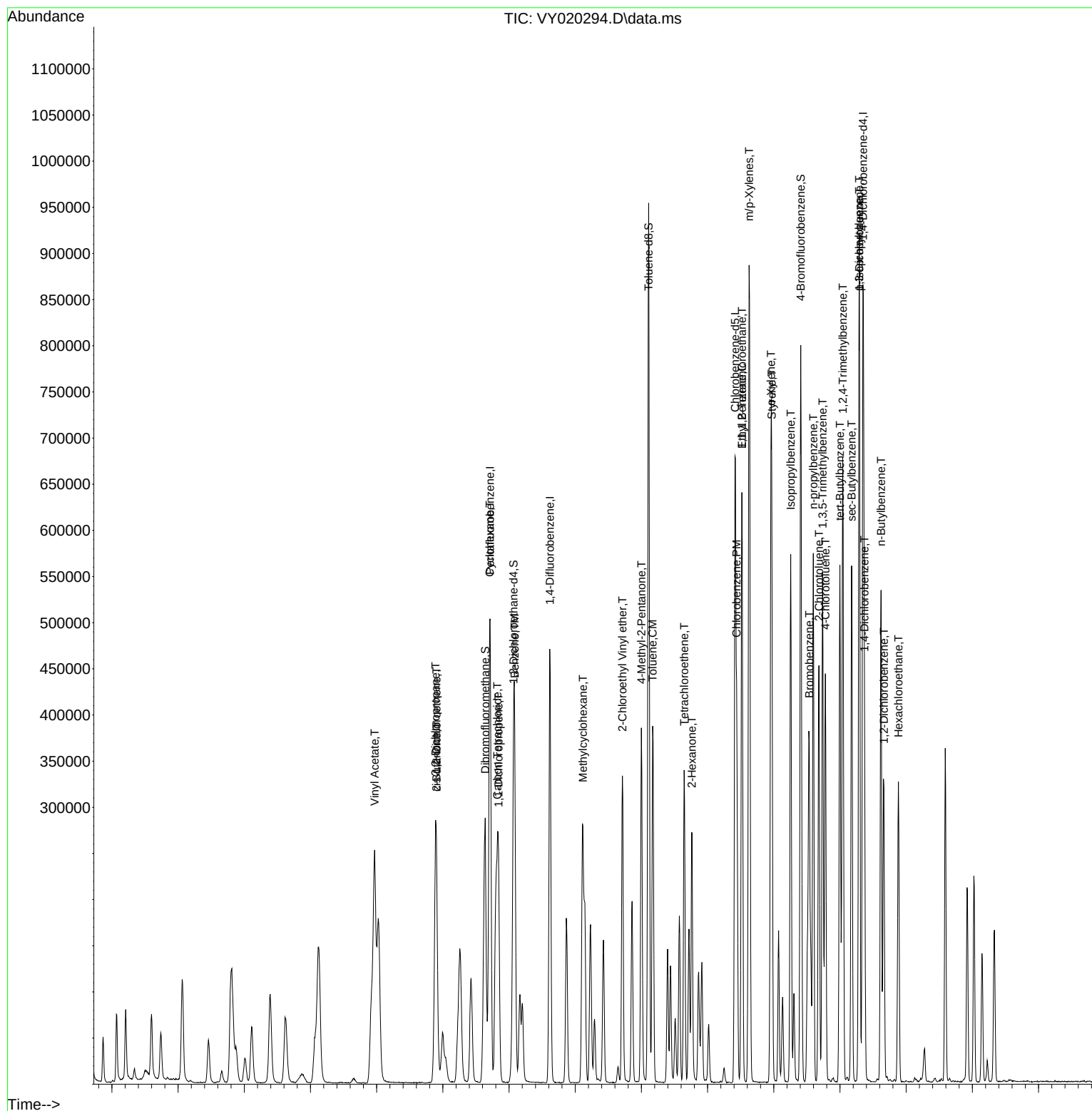
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020294.D
Acq On : 13 Nov 2024 19:32
Operator : SY/MD
Sample : VY1113SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS02

Quant Time: Nov 14 01:02:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



Report of Analysis

Client:	BAPS North Bergen			Date Collected:	
Project:	BAPS North Bergen			Date Received:	
Client Sample ID:	VD1117SBSD01			SDG No.:	P4822
Lab Sample ID:	VD1117SBSD01			Matrix:	SOIL
Analytical Method:	SW8260			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080041.D	1		11/17/24 14:52	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.0		1.70	5.00	ug/Kg
74-87-3	Chloromethane	16.5		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.3		0.77	5.00	ug/Kg
74-83-9	Bromomethane	17.1		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.3		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.5		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.2		0.78	5.00	ug/Kg
67-64-1	Acetone	95.3		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.9		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.7		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.0		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.2		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.3		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	18.8		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.3		0.69	5.00	ug/Kg
78-93-3	2-Butanone	91.1		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.0		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.3		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	18.1		2.40	5.00	ug/Kg
67-66-3	Chloroform	18.9		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	18.7		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.3		0.87	5.00	ug/Kg
71-43-2	Benzene	19.4		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.1		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.6		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.1		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.0		0.67	5.00	ug/Kg

Report of Analysis

Client:	BAPS North Bergen			Date Collected:	
Project:	BAPS North Bergen			Date Received:	
Client Sample ID:	VD1117SBSD01			SDG No.:	P4822
Lab Sample ID:	VD1117SBSD01			Matrix:	SOIL
Analytical Method:	SW8260			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080041.D	1		11/17/24 14:52	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.9		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.6		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.5		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.1		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.5		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.8		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.5		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.1		0.70	5.00	ug/Kg
100-42-5	Styrene	19.7		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.0		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.7		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.1		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.4		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.4		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.1		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.6		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.7		70 (50) - 130 (163)	87%	SPK: 50
1868-53-7	Dibromofluoromethane	44.8		70 (54) - 130 (147)	90%	SPK: 50
2037-26-5	Toluene-d8	44.9		70 (58) - 130 (134)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		70 (29) - 130 (146)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	212000	7.875			
540-36-3	1,4-Difluorobenzene	323000	8.775			
3114-55-4	Chlorobenzene-d5	296000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	169000	13.516			

Report of Analysis

Client:	BAPS North Bergen			Date Collected:	
Project:	BAPS North Bergen			Date Received:	
Client Sample ID:	VD1117SBSD01			SDG No.:	P4822
Lab Sample ID:	VD1117SBSD01			Matrix:	SOIL
Analytical Method:	SW8260			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080041.D	1		11/17/24 14:52	VD111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
 Data File : VD080041.D
 Acq On : 17 Nov 2024 14:52
 Operator : RP/MD
 Sample : VD1117SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 18 04:22:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	212267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	323009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	296184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	169441	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.228	65	95540	43.715	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.440%
35) Dibromofluoromethane	7.804	113	96216	44.757	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.520%
50) Toluene-d8	10.269	98	363664	44.884	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.760%
62) 4-Bromofluorobenzene	12.575	95	120936	45.494	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.980%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	29021	17.035	ug/l	96
3) Chloromethane	2.146	50	20726	16.544	ug/l	90
4) Vinyl Chloride	2.287	62	24787	17.330	ug/l	99
5) Bromomethane	2.687	94	27163	17.096	ug/l	99
6) Chloroethane	2.834	64	21728	21.253	ug/l	90
7) Trichlorofluoromethane	3.181	101	68435	19.481	ug/l	94
8) Diethyl Ether	3.599	74	20492	19.982	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.969	101	41143	18.748	ug/l	97
10) Methyl Iodide	4.169	142	49455	18.207	ug/l	94
11) Tert butyl alcohol	5.069	59	12146	106.794	ug/l #	95
12) 1,1-Dichloroethene	3.940	96	40049	18.208	ug/l	92
13) Acrolein	3.799	56	20282	92.938	ug/l	94
14) Allyl chloride	4.569	41	55865	17.918	ug/l	98
15) Acrylonitrile	5.252	53	46557	102.194	ug/l	99
16) Acetone	4.028	43	45207	95.335	ug/l	96
17) Carbon Disulfide	4.275	76	126997	17.931	ug/l	99
18) Methyl Acetate	4.563	43	21068	20.033	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	88594	19.744	ug/l #	90
20) Methylene Chloride	4.805	84	51288	20.168	ug/l	96
21) trans-1,2-Dichloroethene	5.316	96	44519	18.309	ug/l	98
22) Diisopropyl ether	6.216	45	123708	19.594	ug/l #	96
23) Vinyl Acetate	6.158	43	353123	97.624	ug/l	99
24) 1,1-Dichloroethane	6.116	63	78772	18.759	ug/l	95
25) 2-Butanone	7.081	43	56468	91.127	ug/l	90
26) 2,2-Dichloropropane	7.081	77	65651	17.986	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	51076	18.304	ug/l	97
28) Bromochloromethane	7.428	49	33808	18.092	ug/l	95
29) Tetrahydrofuran	7.452	42	33007	97.242	ug/l	99
30) Chloroform	7.599	83	83477	18.870	ug/l	95
31) Cyclohexane	7.875	56	61672	17.329	ug/l	88
32) 1,1,1-Trichloroethane	7.793	97	70709	18.677	ug/l	97
36) 1,1-Dichloropropene	8.004	75	55448	18.863	ug/l	99
37) Ethyl Acetate	7.169	43	26229	20.759	ug/l #	94
38) Carbon Tetrachloride	7.993	117	60877	18.955	ug/l	93
39) Methylcyclohexane	9.275	83	64155	18.331	ug/l	92
40) Benzene	8.252	78	178067	19.434	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
 Data File : VD080041.D
 Acq On : 17 Nov 2024 14:52
 Operator : RP/MD
 Sample : VD1117SBSD01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 18 04:22:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	13489	19.783	ug/l	98
42) 1,2-Dichloroethane	8.322	62	50039	21.102	ug/l	99
43) Isopropyl Acetate	8.363	43	47629	20.795	ug/l	99
44) Trichloroethene	9.028	130	46444	19.589	ug/l	100
45) 1,2-Dichloropropane	9.299	63	44406	20.167	ug/l	93
46) Dibromomethane	9.393	93	26153	20.420	ug/l	99
47) Bromodichloromethane	9.581	83	64381	20.083	ug/l	100
48) Methyl methacrylate	9.381	41	22753	20.809	ug/l	96
49) 1,4-Dioxane	9.387	88	5414	460.814	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	122033	105.017	ug/l	99
52) Toluene	10.334	92	113923	20.008	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	56990	19.943	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	66392	19.624	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	34956	20.630	ug/l	98
56) Ethyl methacrylate	10.598	69	40398	20.504	ug/l	94
57) 1,3-Dichloropropane	10.875	76	56184	20.383	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	75937	101.902	ug/l	100
59) 2-Hexanone	10.922	43	88060	103.027	ug/l	100
60) Dibromochloromethane	11.069	129	45628	20.921	ug/l	99
61) 1,2-Dibromoethane	11.175	107	32800	20.531	ug/l	94
64) Tetrachloroethene	10.810	164	40362	19.136	ug/l	98
65) Chlorobenzene	11.604	112	126011	19.504	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.681	131	43676	19.420	ug/l	99
67) Ethyl Benzene	11.681	91	203505	18.772	ug/l	96
68) m/p-Xylenes	11.793	106	163233	38.528	ug/l	99
69) o-Xylene	12.122	106	72736	19.099	ug/l	97
70) Styrene	12.134	104	133893	19.697	ug/l	99
71) Bromoform	12.298	173	27798	20.963	ug/l #	96
73) Isopropylbenzene	12.422	105	193084	17.670	ug/l	100
74) N-amyl acetate	12.234	43	44486	18.477	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	40527	19.299	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	26026m	17.395	ug/l	
77) Bromobenzene	12.698	156	52598	18.522	ug/l	97
78) n-propylbenzene	12.763	91	243204	18.010	ug/l	100
79) 2-Chlorotoluene	12.845	91	143157	18.077	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	167232	18.083	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.463	75	13854	18.951	ug/l	98
82) 4-Chlorotoluene	12.945	91	154109	18.204	ug/l	98
83) tert-Butylbenzene	13.163	119	137629	17.184	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	174477	18.781	ug/l	100
85) sec-Butylbenzene	13.345	105	217500	18.372	ug/l	97
86) p-Isopropyltoluene	13.457	119	187872	18.774	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	109943	19.119	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	112252	19.437	ug/l	98
89) n-Butylbenzene	13.787	91	161016	17.103	ug/l	96
90) Hexachloroethane	14.051	117	37761	17.602	ug/l	87
91) 1,2-Dichlorobenzene	13.828	146	97375	19.420	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	6084	19.159	ug/l	83
93) 1,2,4-Trichlorobenzene	15.098	180	56881	18.091	ug/l	100
94) Hexachlorobutadiene	15.198	225	29940	17.618	ug/l	98
95) Naphthalene	15.328	128	97532	18.262	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	51237	18.556	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
Data File : VD080041.D
Acq On : 17 Nov 2024 14:52
Operator : RP/MD
Sample : VD1117SBSD01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 18 04:22:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

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

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

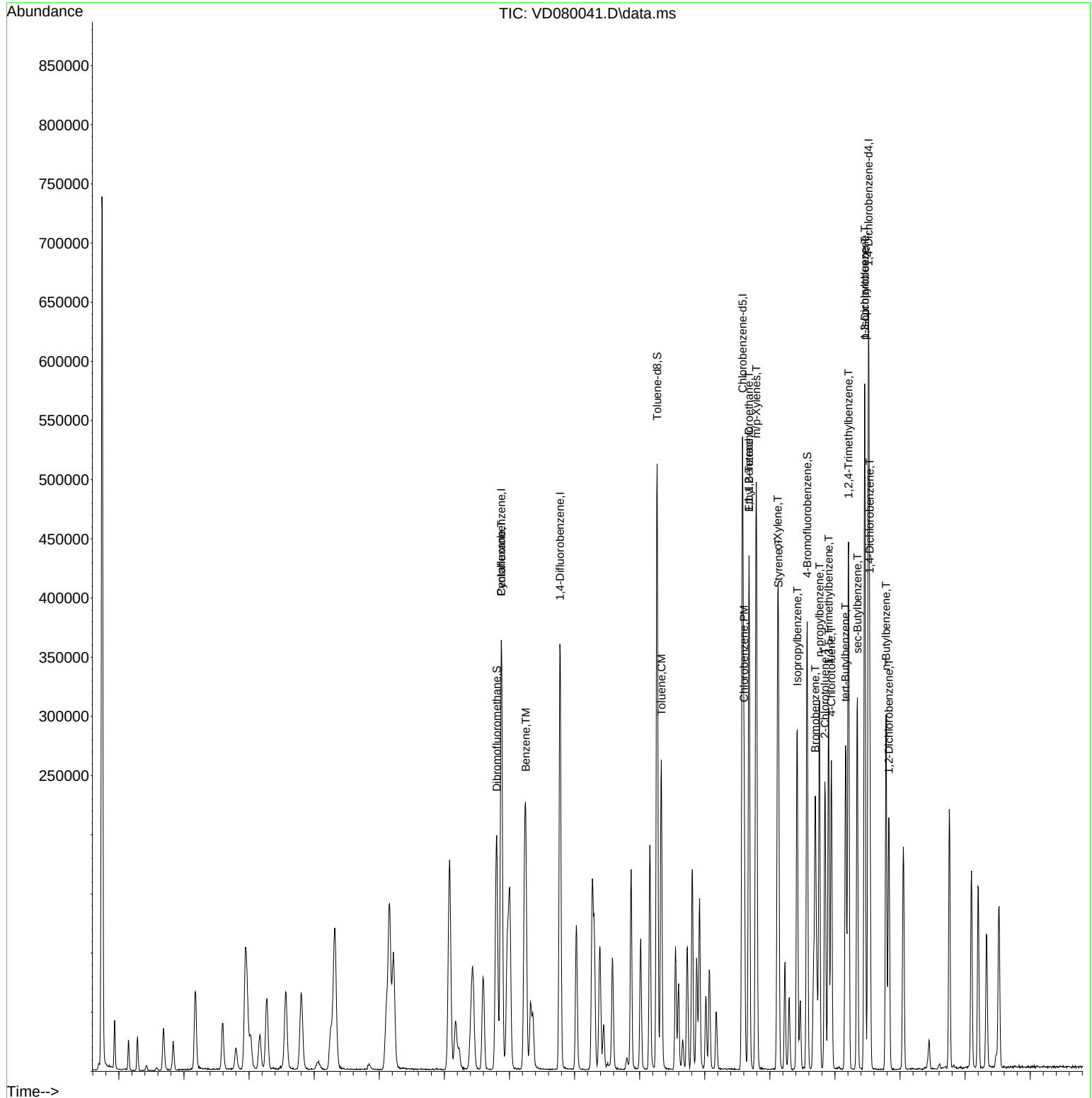
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
Data File : VD080041.D
Acq On : 17 Nov 2024 14:52
Operator : RP/MD
Sample : VD1117SBSD01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 18 04:22:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



Manual Integration Report

Sequence:	VD111524	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VD080017.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:00 PM	SAM	11/18/2024 3:16:37 PM	Peak Integrated by Software
VSTDICC005	VD080020.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:02 PM	SAM	11/18/2024 3:16:39 PM	Peak Integrated by Software
VSTDICC005	VD080020.D	Tert butyl alcohol	MMDadoda	11/18/2024 3:13:02 PM	SAM	11/18/2024 3:16:39 PM	Peak Integrated by Software
VSTDICC010	VD080021.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:04 PM	SAM	11/18/2024 3:16:41 PM	Peak Integrated by Software
VSTDICC020	VD080022.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:06 PM	SAM	11/18/2024 3:16:42 PM	Peak Integrated by Software
VSTDICCC050	VD080023.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:07 PM	SAM	11/18/2024 3:16:45 PM	Peak Integrated by Software
VSTDICC100	VD080024.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:09 PM	SAM	11/18/2024 3:16:46 PM	Peak Integrated by Software
VSTDICC150	VD080025.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:11 PM	SAM	11/18/2024 3:16:48 PM	Peak Integrated by Software
VSTDICV050	VD080026.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:13 PM	SAM	11/18/2024 3:16:50 PM	Peak Integrated by Software
VSTDCCC050	VD080036.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:20 PM	SAM	11/18/2024 3:16:56 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VD111724

Instrument

MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VD080038.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:14:33 PM	SAM	11/18/2024 3:17:50 PM	Peak Integrated by Software
VD1117SBS01	VD080040.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:14:34 PM	SAM	11/18/2024 3:17:50 PM	Peak Integrated by Software
VD1117SBSD0 1	VD080041.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:14:35 PM	SAM	11/18/2024 3:17:52 PM	Peak Integrated by Software
VSTDCCC050	VD080056.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:14:36 PM	SAM	11/18/2024 3:17:53 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY103024	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY020075.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:41:29 AM	MMDadoda	11/1/2024 5:33:21 PM	Peak Integrated by Software
VSTDICC005	VY020075.D	Ethyl Acetate	Romaben	11/1/2024 11:41:29 AM	MMDadoda	11/1/2024 5:33:21 PM	Peak Integrated by Software
VSTDICC010	VY020076.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:41:32 AM	MMDadoda	11/1/2024 5:33:22 PM	Peak Integrated by Software
VSTDICC020	VY020077.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:16 AM	MMDadoda	11/1/2024 5:33:23 PM	Peak Integrated by Software
VSTDICCC050	VY020078.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:03 AM	MMDadoda	11/1/2024 5:33:25 PM	Peak Integrated by Software
VSTDICCC050	VY020078.D	Methacrylonitrile	Romaben	11/1/2024 11:42:03 AM	MMDadoda	11/1/2024 5:33:25 PM	Peak Integrated by Software
VSTDICC100	VY020079.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:20 AM	MMDadoda	11/1/2024 5:33:26 PM	Peak Integrated by Software
VSTDICC150	VY020080.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:07 AM	MMDadoda	11/1/2024 5:33:28 PM	Peak Integrated by Software
VSTDICV050	VY020082.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:10 AM	MMDadoda	11/1/2024 5:33:29 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY111324	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020276.D	1,2,3-Trichloropropane	Romaben	11/14/2024 11:54:16 AM	MMDadoda	11/14/2024 3:19:08 PM	Peak Integrated by Software
VY1113SBS02	VY020294.D	1,2,3-Trichloropropane	Romaben	11/14/2024 11:53:50 AM	MMDadoda	11/14/2024 3:19:06 PM	Peak Integrated by Software
VSTDCCC050	VY020296.D	1,2,3-Trichloropropane	Romaben	11/14/2024 11:54:00 AM	MMDadoda	11/14/2024 3:19:11 PM	Peak Integrated by Software

Instrument ID: **MSVOA_D**

Daily Analysis Runlog For Sequence/QC Batch ID # VD111524

Review By	Mahesh Dadoda	Review On	11/18/2024 3:13:25 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:20 PM
SubDirectory	VD111524	HP Acquire Method	HP Processing Method 82d111424s.m
STD. NAME	STD REF.#		
Tune/Reschk	VP131514		
Initial Calibration Stds	VP131516,VP131518,VP131520,VP131522,VP131524,VP131526		
CCC	VP131535,VP131536		
Internal Standard/PEM	VP128297		
ICV/I.BLK	VP131528		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VD080010.D	14 Nov 2024 17:14	RP/MD	Not Ok
2	VSTDICC005	VD080011.D	14 Nov 2024 18:02	RP/MD	Not Ok
3	VSTDICC010	VD080012.D	14 Nov 2024 18:29	RP/MD	Not Ok
4	VSTDICC020	VD080013.D	14 Nov 2024 18:56	RP/MD	Not Ok
5	VSTDICCC050	VD080014.D	14 Nov 2024 19:22	RP/MD	Not Ok
6	VSTDICC100	VD080015.D	14 Nov 2024 19:49	RP/MD	Not Ok
7	VSTDICC150	VD080016.D	14 Nov 2024 20:16	RP/MD	Not Ok
8	VSTDICV050	VD080017.D	14 Nov 2024 20:43	RP/MD	Not Ok
9	VIBLK	VD080018.D	14 Nov 2024 21:36	RP/MD	Not Ok
10	BFB	VD080019.D	15 Nov 2024 09:14	RP/MD	Ok
11	VSTDICC005	VD080020.D	15 Nov 2024 10:04	RP/MD	Ok,M
12	VSTDICC010	VD080021.D	15 Nov 2024 10:31	RP/MD	Ok,M
13	VSTDICC020	VD080022.D	15 Nov 2024 10:58	RP/MD	Ok,M
14	VSTDICCC050	VD080023.D	15 Nov 2024 11:24	RP/MD	Ok,M
15	VSTDICC100	VD080024.D	15 Nov 2024 11:51	RP/MD	Ok,M
16	VSTDICC150	VD080025.D	15 Nov 2024 12:18	RP/MD	Ok,M
17	VSTDICV050	VD080026.D	15 Nov 2024 15:44	RP/MD	Ok,M
18	VD1115SBL01	VD080027.D	15 Nov 2024 16:19	RP/MD	Ok
19	VD1115SBS01	VD080028.D	15 Nov 2024 16:46	RP/MD	Ok,M
20	P4837-03	VD080029.D	15 Nov 2024 17:13	RP/MD	Ok
21	P4836-03	VD080030.D	15 Nov 2024 17:40	RP/MD	ReRun

Instrument ID: **MSVOA_D**

Daily Analysis Runlog For Sequence/QC Batch ID # VD111524

Review By	Maresh Dadoda	Review On	11/18/2024 3:13:25 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:20 PM
SubDirectory	VD111524	HP Acquire Method	HP Processing Method 82d111424s.m
STD. NAME	STD REF.#		
Tune/Reschk	VP131514		
Initial Calibration Stds	VP131516,VP131518,VP131520,VP131522,VP131524,VP131526		
CCC	VP131535,VP131536		
Internal Standard/PEM	VP128297		
ICV/I.BLK	VP131528		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4835-03	VD080031.D	15 Nov 2024 18:07	RP/MD	Ok
23	P4834-03	VD080032.D	15 Nov 2024 18:34	RP/MD	ReRun
24	P4838-03	VD080033.D	15 Nov 2024 19:01	RP/MD	ReRun
25	P4833-03	VD080034.D	15 Nov 2024 19:28	RP/MD	Not Ok
26	VD1115SBSD01	VD080035.D	15 Nov 2024 19:55	RP/MD	Ok,M
27	VSTDCCC050	VD080036.D	15 Nov 2024 20:22	RP/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_D**

Daily Analysis Runlog For Sequence/QC Batch ID # VD111724

Review By	Mahesh Dadoda	Review On	11/18/2024 3:14:40 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:59 PM
SubDirectory	VD111724	HP Acquire Method	HP Processing Method 82D111424s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131566		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131568,VP131569 VP128297		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VD080037.D	17 Nov 2024 11:29	RP/MD	Ok
2	VSTDCCC050	VD080038.D	17 Nov 2024 13:28	RP/MD	Ok,M
3	VD1117SBL01	VD080039.D	17 Nov 2024 13:55	RP/MD	Ok
4	VD1117SBS01	VD080040.D	17 Nov 2024 14:25	RP/MD	Ok,M
5	VD1117SBSD01	VD080041.D	17 Nov 2024 14:52	RP/MD	Ok,M
6	P4810-02	VD080042.D	17 Nov 2024 15:19	RP/MD	Not Ok
7	P4838-03	VD080043.D	17 Nov 2024 15:46	RP/MD	Ok
8	P4833-03	VD080044.D	17 Nov 2024 16:13	RP/MD	Ok
9	P4836-03RE	VD080045.D	17 Nov 2024 16:40	RP/MD	Confirms
10	P4834-03RE	VD080046.D	17 Nov 2024 17:07	RP/MD	Confirms
11	P4833-07	VD080047.D	17 Nov 2024 17:34	RP/MD	ReRun
12	P4824-01	VD080048.D	17 Nov 2024 18:01	RP/MD	ReRun
13	P4825-01	VD080049.D	17 Nov 2024 18:28	RP/MD	ReRun
14	P4857-03	VD080050.D	17 Nov 2024 18:55	RP/MD	ReRun
15	P4859-01	VD080051.D	17 Nov 2024 19:22	RP/MD	ReRun
16	P4822-05RE	VD080052.D	17 Nov 2024 19:49	RP/MD	Confirms
17	P4822-07RE	VD080053.D	17 Nov 2024 20:16	RP/MD	Confirms
18	P4822-01	VD080054.D	17 Nov 2024 20:43	RP/MD	Not Ok
19	P4821-07	VD080055.D	17 Nov 2024 21:10	RP/MD	Ok
20	VSTDCCC050	VD080056.D	17 Nov 2024 21:37	RP/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:33:31 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:33:47 PM
SubDirectory	VY103024	HP Acquire Method	HP Processing Method 82y103024s.m
STD. NAME	STD REF.#		
Tune/Reschk	VP131199		
Initial Calibration Stds	VP131200,VP131201,VP131203,VP131204,VP131205,VP131206		
CCC			
Internal Standard/PEM	VP128297		
ICV/I.BLK	VP131207		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020074.D	30 Oct 2024 12:07	SY/MD	Ok
2	VSTDIC005	VY020075.D	30 Oct 2024 12:39	SY/MD	Ok,M
3	VSTDIC010	VY020076.D	30 Oct 2024 13:02	SY/MD	Ok,M
4	VSTDIC020	VY020077.D	30 Oct 2024 13:24	SY/MD	Ok,M
5	VSTDIC050	VY020078.D	30 Oct 2024 14:06	SY/MD	Ok,M
6	VSTDIC100	VY020079.D	30 Oct 2024 14:29	SY/MD	Ok,M
7	VSTDIC150	VY020080.D	30 Oct 2024 14:52	SY/MD	Ok,M
8	VIBLK	VY020081.D	30 Oct 2024 15:15	SY/MD	Ok
9	VSTDICV050	VY020082.D	30 Oct 2024 15:47	SY/MD	Not Ok

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY111324

Review By	Mahesh Dadoda	Review On	11/14/2024 3:19:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/14/2024 3:21:28 PM
SubDirectory	VY111324	HP Acquire Method	HP Processing Method 82y103024s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131442		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131443,VP131444 VP128297		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020275.D	13 Nov 2024 09:22	SY/MD	Ok
2	VSTDCCC050	VY020276.D	13 Nov 2024 10:21	SY/MD	Ok,M
3	VY1113SBL01	VY020277.D	13 Nov 2024 12:00	SY/MD	Ok
4	VY1113SBS01	VY020278.D	13 Nov 2024 12:43	SY/MD	Ok,M
5	VY1113SBSD01	VY020279.D	13 Nov 2024 13:05	SY/MD	Ok,M
6	P4811-01RE	VY020280.D	13 Nov 2024 14:05	SY/MD	Confirms
7	P4807-11	VY020281.D	13 Nov 2024 14:29	SY/MD	Ok
8	P4792-03	VY020282.D	13 Nov 2024 14:52	SY/MD	Ok
9	P4810-02	VY020283.D	13 Nov 2024 15:15	SY/MD	Ok
10	P4807-03	VY020284.D	13 Nov 2024 15:39	SY/MD	Ok
11	P4821-03	VY020285.D	13 Nov 2024 16:02	SY/MD	Ok
12	P4821-07	VY020286.D	13 Nov 2024 16:26	SY/MD	ReRun
13	P4823-03	VY020287.D	13 Nov 2024 16:49	SY/MD	Ok
14	P4822-03	VY020288.D	13 Nov 2024 17:12	SY/MD	Ok
15	P4822-01	VY020289.D	13 Nov 2024 17:36	SY/MD	Ok
16	P4822-05	VY020290.D	13 Nov 2024 17:59	SY/MD	ReRun
17	P4822-11	VY020291.D	13 Nov 2024 18:23	SY/MD	Ok
18	P4822-09	VY020292.D	13 Nov 2024 18:46	SY/MD	Ok
19	P4822-07	VY020293.D	13 Nov 2024 19:09	SY/MD	ReRun
20	VY1113SBS02	VY020294.D	13 Nov 2024 19:32	SY/MD	Ok,M
21	VY1113SBSD02	VY020295.D	13 Nov 2024 19:55	SY/MD	Ok,M

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY111324

Review By	Mahesh Dadoda	Review On	11/14/2024 3:19:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/14/2024 3:21:28 PM
SubDirectory	VY111324	HP Acquire Method	HP Processing Method 82y103024s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131442		
CCC	VP131443,VP131444		
Internal Standard/PEM	VP128297		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	VSTDCCC050	VY020296.D	13 Nov 2024 20:18	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QC Batch ID # VD111524

Review By	Mahesh Dadoda	Review On	11/18/2024 3:13:25 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:20 PM
SubDirectory	VD111524	HP Acquire Method	HP Processing Method 82d111424s.m
STD. NAME	STD REF.#		
Tune/Reschk	VP131514		
Initial Calibration Stds	VP131516,VP131518,VP131520,VP131522,VP131524,VP131526		
CCC	VP131535,VP131536		
Internal Standard/PEM	VP128297		
ICV/I.BLK	VP131528		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VD080010.D	14 Nov 2024 17:14	Method failed for Comp. #05	RP/MD	Not Ok
2	VSTDICC005	VSTDICC005	VD080011.D	14 Nov 2024 18:02	%D failed for Comp. #16 in 05PPB	RP/MD	Not Ok
3	VSTDICC010	VSTDICC010	VD080012.D	14 Nov 2024 18:29		RP/MD	Not Ok
4	VSTDICC020	VSTDICC020	VD080013.D	14 Nov 2024 18:56		RP/MD	Not Ok
5	VSTDICCC050	VSTDICCC050	VD080014.D	14 Nov 2024 19:22	Comp. #10,16 are on Quadratic Regression	RP/MD	Not Ok
6	VSTDICC100	VSTDICC100	VD080015.D	14 Nov 2024 19:49		RP/MD	Not Ok
7	VSTDICC150	VSTDICC150	VD080016.D	14 Nov 2024 20:16		RP/MD	Not Ok
8	VSTDICV050	ICVVD111524	VD080017.D	14 Nov 2024 20:43	ICV Failed for comp. #13	RP/MD	Not Ok
9	VIBLK	VIBLK	VD080018.D	14 Nov 2024 21:36		RP/MD	Not Ok
10	BFB	BFB	VD080019.D	15 Nov 2024 09:14		RP/MD	Ok
11	VSTDICC005	VSTDICC005	VD080020.D	15 Nov 2024 10:04	QR @ comp #05	RP/MD	Ok,M
12	VSTDICC010	VSTDICC010	VD080021.D	15 Nov 2024 10:31	%D fail for comp #05 in 10PPB	RP/MD	Ok,M
13	VSTDICC020	VSTDICC020	VD080022.D	15 Nov 2024 10:58		RP/MD	Ok,M
14	VSTDICCC050	VSTDICCC050	VD080023.D	15 Nov 2024 11:24		RP/MD	Ok,M
15	VSTDICC100	VSTDICC100	VD080024.D	15 Nov 2024 11:51		RP/MD	Ok,M
16	VSTDICC150	VSTDICC150	VD080025.D	15 Nov 2024 12:18		RP/MD	Ok,M
17	VSTDICV050	ICVVD111524	VD080026.D	15 Nov 2024 15:44		RP/MD	Ok,M

Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QC Batch ID # VD111524

Review By	Maresh Dadoda	Review On	11/18/2024 3:13:25 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:20 PM
SubDirectory	VD111524	HP Acquire Method	HP Processing Method 82d111424s.m
STD. NAME	STD REF.#		
Tune/Reschk	VP131514		
Initial Calibration Stds	VP131516,VP131518,VP131520,VP131522,VP131524,VP131526		
CCC	VP131535,VP131536		
Internal Standard/PEM	VP128297		
ICV/I.BLK	VP131528		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	VD1115SBL01	VBLK21	VD080027.D	15 Nov 2024 16:19		RP/MD	Ok
19	VD1115SBS01	VD1115SBS01	VD080028.D	15 Nov 2024 16:46		RP/MD	Ok,M
20	P4837-03	3TRK-STONE	VD080029.D	15 Nov 2024 17:13	vial-A	RP/MD	Ok
21	P4836-03	T3-STONE	VD080030.D	15 Nov 2024 17:40	ISTD Fail vial-A	RP/MD	ReRun
22	P4835-03	345-2-STONE	VD080031.D	15 Nov 2024 18:07	vial-A	RP/MD	Ok
23	P4834-03	SLP-1-STONE	VD080032.D	15 Nov 2024 18:34	Internal Standard and Surrogate Fail VIAL- A	RP/MD	ReRun
24	P4838-03	T1-STONE	VD080033.D	15 Nov 2024 19:01	ISTD Fail :Vial- A	RP/MD	ReRun
25	P4833-03	MH-731-VOC	VD080034.D	15 Nov 2024 19:28	Internal not spike; Surrogate fail Vial- A	RP/MD	Not Ok
26	VD1115SBSD01	VD1115SBSD01	VD080035.D	15 Nov 2024 19:55		RP/MD	Ok,M
27	VSTDCCC050	VSTD05021	VD080036.D	15 Nov 2024 20:22		RP/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QC Batch ID # VD111724

Review By	Mahesh Dadoda	Review On	11/18/2024 3:14:40 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:59 PM
SubDirectory	VD111724	HP Acquire Method	HP Processing Method 82D111424s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131566		
CCC	VP131568,VP131569		
Internal Standard/PEM	VP128297		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VD080037.D	17 Nov 2024 11:29		RP/MD	Ok
2	VSTDCCC050	VSTDCCC050	VD080038.D	17 Nov 2024 13:28		RP/MD	Ok,M
3	VD1117SBL01	VD1117SBL01	VD080039.D	17 Nov 2024 13:55		RP/MD	Ok
4	VD1117SBS01	VD1117SBS01	VD080040.D	17 Nov 2024 14:25		RP/MD	Ok,M
5	VD1117SBSD01	VD1117SBSD01	VD080041.D	17 Nov 2024 14:52		RP/MD	Ok,M
6	P4810-02	VOC	VD080042.D	17 Nov 2024 15:19	Not purge vial-A	RP/MD	Not Ok
7	P4838-03	T1-STONE	VD080043.D	17 Nov 2024 15:46	vial-B	RP/MD	Ok
8	P4833-03	MH-731-VOC	VD080044.D	17 Nov 2024 16:13	vial-B	RP/MD	Ok
9	P4836-03RE	T3-STONERE	VD080045.D	17 Nov 2024 16:40	Internal Standard Fail vial-B	RP/MD	Confirms
10	P4834-03RE	SLP-1-STONERE	VD080046.D	17 Nov 2024 17:07	Internal Standard Fail ;Surrogate fail VIAL- B	RP/MD	Confirms
11	P4833-07	TP-2-VOC	VD080047.D	17 Nov 2024 17:34	Internal Standard Fail ;Surrogate fail VIAL- A	RP/MD	ReRun
12	P4824-01	T-20	VD080048.D	17 Nov 2024 18:01	Internal Standard Fail ;Surrogate fail VIAL- A	RP/MD	ReRun
13	P4825-01	STOCK-PILE	VD080049.D	17 Nov 2024 18:28	Internal Standard Fail ;Surrogate fail VIAL- A	RP/MD	ReRun
14	P4857-03	VNJ-226	VD080050.D	17 Nov 2024 18:55	Internal Standard Fail vial-A	RP/MD	ReRun
15	P4859-01	NB-08-111424	VD080051.D	17 Nov 2024 19:22	Internal Standard Fail vial-A	RP/MD	ReRun
16	P4822-05RE	SOIL-3RE	VD080052.D	17 Nov 2024 19:49	Internal Standard Fail vial-A	RP/MD	Confirms
17	P4822-07RE	SOIL-4RE	VD080053.D	17 Nov 2024 20:16	Internal Standard Fail vial-B	RP/MD	Confirms

Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QC Batch ID # VD111724

Review By	Maresh Dadoda	Review On	11/18/2024 3:14:40 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:59 PM
SubDirectory	VD111724	HP Acquire Method	HP Processing Method 82D111424s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP131566
CCC	VP131568,VP131569
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4822-01	SOIL-1	VD080054.D	17 Nov 2024 20:43	Internal Standard Fail vial-A	RP/MD	Not Ok
19	P4821-07	BP-F-2-VOC	VD080055.D	17 Nov 2024 21:10	vial-A	RP/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VD080056.D	17 Nov 2024 21:37		RP/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY103024

Review By	Maresh Dadoda	Review On	11/1/2024 5:33:31 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:33:47 PM
SubDirectory	VY103024	HP Acquire Method	HP Processing Method 82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131199
Initial Calibration Stds	VP131200,VP131201,VP131203,VP131204,VP131205,VP131206
CCC	
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131207
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020074.D	30 Oct 2024 12:07		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020075.D	30 Oct 2024 12:39	Method pass	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY020076.D	30 Oct 2024 13:02		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020077.D	30 Oct 2024 13:24		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY020078.D	30 Oct 2024 14:06		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY020079.D	30 Oct 2024 14:29		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY020080.D	30 Oct 2024 14:52		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020081.D	30 Oct 2024 15:15		SY/MD	Ok
9	VSTDICV050	ICVVY103024	VY020082.D	30 Oct 2024 15:47	fail icv	SY/MD	Not Ok

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY111324

Review By	Maresh Dadoda	Review On	11/14/2024 3:19:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/14/2024 3:21:28 PM
SubDirectory	VY111324	HP Acquire Method	HP Processing Method 82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP131442
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131443,VP131444 VP128297

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020275.D	13 Nov 2024 09:22		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020276.D	13 Nov 2024 10:21	CCAL failed high for comp. #16	SY/MD	Ok,M
3	VY1113SBL01	VY1113SBL01	VY020277.D	13 Nov 2024 12:00		SY/MD	Ok
4	VY1113SBS01	VY1113SBS01	VY020278.D	13 Nov 2024 12:43		SY/MD	Ok,M
5	VY1113SBSD01	VY1113SBSD01	VY020279.D	13 Nov 2024 13:05		SY/MD	Ok,M
6	P4811-01RE	RB24008RE	VY020280.D	13 Nov 2024 14:05	vial-B Internal Standard and Surrogate Fail	SY/MD	Confirms
7	P4807-11	BF-F13-VOC	VY020281.D	13 Nov 2024 14:29	vial-B	SY/MD	Ok
8	P4792-03	OILY-STONE-DRUM	VY020282.D	13 Nov 2024 14:52	vial-B	SY/MD	Ok
9	P4810-02	VOC	VY020283.D	13 Nov 2024 15:15	vial-A Internal Standard Fail	SY/MD	Ok
10	P4807-03	TP-7-VOC	VY020284.D	13 Nov 2024 15:39	vial-B	SY/MD	Ok
11	P4821-03	BP-F-24-VOC	VY020285.D	13 Nov 2024 16:02	vial-B	SY/MD	Ok
12	P4821-07	BP-F-2-VOC	VY020286.D	13 Nov 2024 16:26	vial-A CCAL failed high for comp. #16 ;BSD failed high for comp. #52	SY/MD	ReRun
13	P4823-03	MH-4-VOC	VY020287.D	13 Nov 2024 16:49	vial-A	SY/MD	Ok
14	P4822-03	SOIL-2	VY020288.D	13 Nov 2024 17:12	vial-A	SY/MD	Ok
15	P4822-01	SOIL-1	VY020289.D	13 Nov 2024 17:36	vial-A	SY/MD	Ok
16	P4822-05	SOIL-3	VY020290.D	13 Nov 2024 17:59	vial-A Internal Standard Fail	SY/MD	ReRun
17	P4822-11	SOIL-6	VY020291.D	13 Nov 2024 18:23	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY111324

Review By	Maresh Dadoda	Review On	11/14/2024 3:19:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/14/2024 3:21:28 PM
SubDirectory	VY111324	HP Acquire Method	HP Processing Method 82y103024s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131442		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131443,VP131444 VP128297		

18	P4822-09	SOIL-5	VY020292.D	13 Nov 2024 18:46	vial-A	SY/MD	Ok
19	P4822-07	SOIL-4	VY020293.D	13 Nov 2024 19:09	Internal Standard Fail vial-A	SY/MD	ReRun
20	VY1113SBS02	VY1113SBS02	VY020294.D	13 Nov 2024 19:32		SY/MD	Ok,M
21	VY1113SBSD02	VY1113SBSD02	VY020295.D	13 Nov 2024 19:55	BSD failed high for comp. #52,30	SY/MD	Ok,M
22	VSTDCCC050	VSTDCCC050EC	VY020296.D	13 Nov 2024 20:18		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/13/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 11/12/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133408

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4810-01	WASTE	1	1.15	8.80	9.95	8.23	80.5	
P4810-02	VOC	2	1.15	8.82	9.97	8.65	85.0	
P4810-03	1	3	1.15	8.43	9.58	7.84	79.4	
P4810-04	2	4	1.16	8.80	9.96	8.41	82.4	
P4810-05	3	5	1.16	8.51	9.67	8.17	82.4	
P4810-06	4	6	1.15	8.82	9.97	8.46	82.9	
P4810-07	5	7	1.16	8.45	9.61	8.2	83.3	
P4820-01	CO-SIAC-20	8	1.18	8.42	9.6	9.41	97.7	
P4821-01	BP-F-24	9	1.19	8.57	9.76	8.77	88.4	
P4821-02	BP-F-24-EPH	10	1.15	8.52	9.67	8.62	87.7	
P4821-03	BP-F-24-VOC	11	1.12	8.76	9.88	8.83	88.0	
P4821-05	BP-F-2	12	1.16	8.51	9.67	8.7	88.6	
P4821-06	BP-F-2-EPH	13	1.15	8.81	9.96	9.28	92.3	
P4821-07	BP-F-2-VOC	14	1.12	8.75	9.87	8.77	87.4	
P4822-01	SOIL-1	18	1.16	8.48	9.64	9.14	94.1	
P4822-02	SOIL-1	19	1.15	8.50	9.65	9.00	92.4	
P4822-03	SOIL-2	20	1.18	8.57	9.75	9.05	91.8	
P4822-04	SOIL-2	21	1.15	8.74	9.89	8.99	89.7	
P4822-05	SOIL-3	22	1.13	8.39	9.52	8.89	92.5	
P4822-06	SOIL-3	23	1.16	8.69	9.85	9.1	91.4	
P4822-07	SOIL-4	24	1.17	8.50	9.67	9.12	93.5	
P4822-08	SOIL-4	25	1.14	8.62	9.76	9.15	92.9	
P4822-09	SOIL-5	26	1.11	8.77	9.88	8.91	88.9	
P4822-10	SOIL-5	27	1.16	8.63	9.79	9.06	91.5	
P4822-11	SOIL-6	28	1.17	8.60	9.77	8.71	87.7	
P4822-12	SOIL-6	29	1.13	8.70	9.83	9.07	91.3	
P4823-01	MH-4	15	1.15	8.64	9.79	8.86	89.2	
P4823-02	MH-4-EPH	16	1.17	8.54	9.71	8.88	90.3	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/13/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 11/12/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133408

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
P4823-03	MH-4-VOC	17	1.17	8.58	9.75	8.72	88.0	

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

WORKLIST(Hardcopy Internal Chain)

JB133408

WorkList Name : %1-111224

WorkList ID : 185348

Department : Wet-Chemistry

Date : 11-12-2024 08:02:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4810-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4820-01	CO-SIAC-20	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4821-01	BP-F-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO
P4821-02	BP-F-24-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-03	BP-F-24-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-05	BP-F-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-06	BP-F-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-07	BP-F-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4822-01	SOIL-1	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-02	SOIL-1	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-03	SOIL-2	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-04	SOIL-2	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-05	SOIL-3	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-06	SOIL-3	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-07	SOIL-4	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO

Date/Time 11-12-24 15:35

Raw Sample Received by: JB WLC

Raw Sample Relinquished by: JB WLC

Date/Time 11-12-24

Raw Sample Received by: JB WLC

Raw Sample Relinquished by: JB WLC

WORKLIST(Hardcopy Internal Chain)

1333408

WorkList Name : %1-111224

WorkList ID : 185348

Department : Wet-Chemistry

Date : 11-12-2024 08:02:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4822-08	SOIL-4	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-09	SOIL-5	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-10	SOIL-5	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-11	SOIL-6	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-12	SOIL-6	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4823-01	MH-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO
P4823-02	MH-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO
P4823-03	MH-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO

Date/Time 11-12-24 15:35
Raw Sample Received by: SS WOL
Raw Sample Relinquished by: BS CETA- (CCH)

Date/Time 11-12-24 17:00
Raw Sample Received by: BS CETA- (CCH)
Raw Sample Relinquished by: SS WOL



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. **P4822**
QUOTE NO.
COC Number **2040631**

CLIENT INFORMATION

COMPANY: **BAPS** REPORT TO BE SENT TO:
ADDRESS: **2000 Tonnelle Ave**
CITY **North Bergen** STATE: **NJ** ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **BAPS Tonnelle Ave**
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

VOC-TCL vol-10
EPH
TCL+30/TAL

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E/P	E	E							← Specify Preservatives	
1.	Soil-1	9011		X	11-24	1112	5	X	X								A-HCl	D-NaOH
2.	Soil-1		X			1120	4				X						B-HNO3	E-ICE
3.	Soil-2			X		1134	5	X	X								C-H2SO4	F-OTHER
4.	Soil-2		X			1141	4				X							
5.	Soil-3			X		1151	5	X	X									
6.	Soil-3		X			1159	4				X							
7.	Soil-4			X		1210	5	X	X									
8.	Soil-4		X			1218	4				X							
9.	Soil-5			Y		1230	5	X	X									
10.	Soil-5		X			1238	4				X							

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

RELINQUISHED BY SAMPLER: 1. JT	DATE/TIME: 11-12-24	RECEIVED BY: 1.	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3. JT	DATE/TIME: 11-12-24	RECEIVED BY: 3.	Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete

☐ YES ☐ NO

CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 2040632

P4822

CLIENT INFORMATION

COMPANY: BAPS REPORT TO BE SENT TO:

ADDRESS: 2000 Tonnelle Ave

CITY North Bergen STATE: NJ ZIP:

ATTENTION:

PHONE:

FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: BAPS Tonnelle Ave

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO:

PO#:

ADDRESS:

CITY

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): _____ DAYS*

EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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

1 VOC-TCL VOA-10
2 EPH
3 TCL+30/TAL

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	Soil-6	Soil		X	11/24	1245	5	X	X								
2.	Soil-6	I	X		11/24	1253	4			X							
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. <u>IT</u>	DATE/TIME: <u>1310</u> <u>11.12.24</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.8</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 2. <u>[Signature]</u>	Comments:
RELINQUISHED BY SAMPLER: 3. <u>IT</u>	DATE/TIME: <u>1420</u> <u>11.12.24</u>	RECEIVED BY: 3. <u>[Signature]</u>	Page <u>2</u> of <u>2</u> CLIENT: ☐ Hand Delivered ☐ Other _____ CHEMTECH: ☐ Picked Up ☐ Field Sampling Shipment Complete ☐ YES ☐ NO

Environmental Laboratory

Project Name: BAPS Tonnelle
Ave

Sampler Name: JT

AVE

Service Order #:

Work Order #:

LABOR WBS#:

Facility/ Site:

Site Address: 2000 Towne/le

Page #: 1 of 1
Date: 11.12.24

Client Project Coordinator & Phone:

Privsh

Date: 11.12.24

Arrive Time: 1030

Depart Time: 1310

Waste Stream (circle one): drum / roll-off / soil oil / n-slip / linear construction / frac tank

Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Details: NA

Dimensions/cy: 154 x (~50) x (~15)

Temp (range): 3.8 °C

PID Readings (range):

PPM

Odor: Y / N

Color: Y / (N)

Sample Description:

Sample Description: Sandy Rocky soil, woodchips present

Field Observations: Large hill back of parking lot

Field Observations:

Large hill back of parking lot

Grid/Area Composite Map:

A hand-drawn map of a field area, oriented vertically. The map is enclosed in a wavy line. At the top, there is a label 'Soft Accessible Area' with an arrow pointing to the top edge. The map contains several symbols: 'X' marks, circles with an 'X' inside, and circles with a star inside. There are also some numbers and letters scattered throughout, such as 'N', 'M', 'H', 'U', 'S', 'K', 'L', 'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'X', 'Y', 'Z'. The symbols are distributed across the map, with some clusters and some isolated marks.

 ≈ 2554 $\approx 25\sqrt{t}$

255+

≈ 25 ft

25.54

25 ft.

Solar Panels

Basket
Ball cost

Sampler Signature:

A

Supervisor Review/Date:

Client Signature:

Date/Time Assigned - 2/1/16.



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 : P4822	BAPS03	Order Date : 11/12/2024 1:54:09 PM	Project Mgr :
Client Name : BAPS North Bergen		Project Name : BAPS North Bergen	Report Type : Level 1
Client Contact : Rakesh Patel		Receive DateTime : 11/12/2024 2:20:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : BAPS North Bergen		Purchase Order :	Hard Copy Date :
Invoice Contact : Rakesh Patel			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4822-01	SOIL-1	Solid	11/12/2024	11:12					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-03	SOIL-2	Solid	11/12/2024	11:34					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-05	SOIL-3	Solid	11/12/2024	11:51					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-07	SOIL-4	Solid	11/12/2024	12:10					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-09	SOIL-5	Solid	11/12/2024	12:30					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-11	SOIL-6	Solid	11/12/2024	12:45					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4822 BAPS03

Order Date : 11/12/2024 1:54:09 PM

Project Mgr :

Client Name : BAPS North Bergen

Project Name : BAPS North Bergen

Report Type : Level 1

Client Contact : Rakesh Patel

Receive DateTime : 11/12/2024 2:20:00 PM

EDD Type : EXCEL NJCLEANUP

Invoice Name : BAPS North Bergen

Purchase Order :

Hard Copy Date :

Invoice Contact : Rakesh Patel

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinquished By : IT

Date / Time :

11.12.24/1440

Received By : [Signature]

Date / Time :

11/12/24

3:00 PM

Storage Area : VOA Refridgerator Room