

Cover Page

Order ID : P4768

Project ID : Trenton Youth Wrestling

Client : JPCL Engineering

Lab Sample Number

P4768-01
P4768-02
P4768-03
P4768-04
P4768-05
P4768-06
P4768-07

Client Sample Number

B-3-1
B-3-2
B-3-3
B-4
B-5
B-6-2
B-6-3

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: 11/20/2024

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 #: P4768

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: KETAN PATEL

Date: 11/20/2024

LAB CHRONICLE

OrderID: P4768
Client: JPCL Engineering
Contact: Paul Rotondi

OrderDate: 11/7/2024 1:45:00 PM
Project: Trenton Youth Wrestling
Location: L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4768-01	B-3-1	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/11/24	11/07/24
P4768-02	B-3-2	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/11/24	11/07/24
P4768-03	B-3-3	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/11/24	11/07/24
P4768-04	B-4	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/20/24	11/07/24
P4768-05	B-5	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/11/24	11/07/24
P4768-06	B-6-2	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/11/24	11/07/24
P4768-07	B-6-3	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/11/24	11/07/24

Hit Summary Sheet
SW-846

SDG No.: P4768
Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	B-3-1							
P4768-01	B-3-1	SOIL	Ethyl Benzene	17.8		1.20	10.0	ug/Kg
P4768-01	B-3-1	SOIL	m/p-Xylenes	73.3		2.70	20.0	ug/Kg
P4768-01	B-3-1	SOIL	o-Xylene	22.5		1.40	10.0	ug/Kg
			Total Voc :			114		
P4768-01	B-3-1	SOIL	Decane	* 31.6	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,3,5-trimethyl-	* 12.5	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Octane, 3-methyl-	* 14.0	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 13.1	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,2,4-trimethyl-,	* 36.8	J	0	0	ug/Kg
			Total Tics :			108		
			Total Concentration:			222		
Client ID:	B-3-2							
P4768-02	B-3-2	SOIL	Ethyl Benzene	9.20		0.69	5.50	ug/Kg
P4768-02	B-3-2	SOIL	m/p-Xylenes	41.5		1.50	11.1	ug/Kg
P4768-02	B-3-2	SOIL	o-Xylene	11.9		0.78	5.50	ug/Kg
			Total Voc :			62.6		
P4768-02	B-3-2	SOIL	unknown11.213	* 11.5	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Decane	* 10.3	J	0	0	ug/Kg
			Total Tics :			21.8		
			Total Concentration:			84.4		
Client ID:	B-3-3							
P4768-03	B-3-3	SOIL	Ethyl Benzene	1.80	J	0.60	4.90	ug/Kg
P4768-03	B-3-3	SOIL	m/p-Xylenes	8.10	J	1.30	9.70	ug/Kg
P4768-03	B-3-3	SOIL	o-Xylene	2.60	J	0.68	4.90	ug/Kg
			Total Voc :			12.5		
			Total Concentration:			12.5		
Client ID:	B-5							
P4768-05	B-5	SOIL	Acetone	16.7	J	8.40	33.7	ug/Kg
			Total Voc :			16.7		
P4768-05	B-5	SOIL	unknown12.231	* 49.0	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown12.652	* 64.3	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown12.871	* 39.5	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Naphthalene, decahydro-2-metl	* 58.3	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 76.1	J	0	0	ug/Kg
P4768-05	B-5	SOIL	2-Octene, 2,6-dimethyl-	* 120	J	0	0	ug/Kg
P4768-05	B-5	SOIL	1-Dodecanol, 3,7,11-trimethyl-	* 59.3	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 1,1,2,3-tetrameth	* 54.5	J	0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: P4768

Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4768-05	B-5	SOIL	Cyclooctene, 1,2-dimethyl-	* 59.3	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 2-butyl-1,1,3-trin	* 45.2	J	0	0	ug/Kg
P4768-05	B-5	SOIL	sec-Butylbenzene	* 4.30	J	0.90	6.70	ug/Kg
Total Tics :					630			
Total Concentration:					647			
Client ID:	B-6-2							
P4768-06	B-6-2	SOIL	m/p-Xylenes	4.40	J	3.10	22.9	ug/Kg
Total Voc :					4.40			
Total Concentration:					4.40			
Client ID:	B-6-3							
P4768-07	B-6-3	SOIL	Acetone	13.4	J	6.20	24.7	ug/Kg
P4768-07	B-6-3	SOIL	Toluene	1.50	J	0.66	4.90	ug/Kg
P4768-07	B-6-3	SOIL	Ethyl Benzene	29.3		0.61	4.90	ug/Kg
P4768-07	B-6-3	SOIL	m/p-Xylenes	130		1.30	9.90	ug/Kg
P4768-07	B-6-3	SOIL	o-Xylene	44.4		0.69	4.90	ug/Kg
Total Voc :					219			
P4768-07	B-6-3	SOIL	Decane	* 40.8	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, ethyl-	* 9.70	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, (2-methylpropyl)	* 8.90	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, 1,3,5-trimethyl-,	* 15.8	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Octane, 3-methyl-	* 24.9	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, 1,2,4-trimethyl-	* 60.7	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Decane, 4-methyl-	* 10.1	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 18.6	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Heptane, 2,3-dimethyl-	* 8.90	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	1-Ethyl-4-methylcyclohexane	* 13.4	J	0	0	ug/Kg
Total Tics :					212			
Total Concentration:					430			



QC SUMMARY

Surrogate Summary

SDG No.: **P4768**

Client: **JPCL Engineering**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P4768-01	B-3-1	1,2-Dichloroethane-d4	50	56.3	113	50	163
		Dibromofluoromethane	50	51.4	103	54	147
		Toluene-d8	50	49.9	100	58	134
		4-Bromofluorobenzene	50	48.5	97	29	146
P4768-02	B-3-2	1,2-Dichloroethane-d4	50	56.5	113	50	163
		Dibromofluoromethane	50	52.4	105	54	147
		Toluene-d8	50	49.8	100	58	134
		4-Bromofluorobenzene	50	47.9	96	29	146
P4768-03	B-3-3	1,2-Dichloroethane-d4	50	60.1	120	50	163
		Dibromofluoromethane	50	52.9	106	54	147
		Toluene-d8	50	49.7	99	58	134
		4-Bromofluorobenzene	50	48.5	97	29	146
P4768-04	B-4	1,2-Dichloroethane-d4	50	54.0	108	50	163
		Dibromofluoromethane	50	49.8	100	54	147
		Toluene-d8	50	48.9	98	58	134
		4-Bromofluorobenzene	50	50.7	101	29	146
P4768-05	B-5	1,2-Dichloroethane-d4	50	61.5	123	50	163
		Dibromofluoromethane	50	52.7	105	54	147
		Toluene-d8	50	51.2	102	58	134
		4-Bromofluorobenzene	50	57.6	115	29	146
P4768-06	B-6-2	1,2-Dichloroethane-d4	50	57.0	114	50	163
		Dibromofluoromethane	50	52.2	104	54	147
		Toluene-d8	50	48.9	98	58	134
		4-Bromofluorobenzene	50	46.0	92	29	146
P4768-07	B-6-3	1,2-Dichloroethane-d4	50	60.8	122	50	163
		Dibromofluoromethane	50	52.3	105	54	147
		Toluene-d8	50	50.5	101	58	134
		4-Bromofluorobenzene	50	50.8	102	29	146
VY1111SBL01	VY1111SBL01	1,2-Dichloroethane-d4	50	43.3	87	50	163
		Dibromofluoromethane	50	46.4	93	54	147
		Toluene-d8	50	47.9	96	58	134
		4-Bromofluorobenzene	50	40.0	80	29	146
VY1111SBS01	VY1111SBS01	1,2-Dichloroethane-d4	50	52.3	105	50	163
		Dibromofluoromethane	50	53.4	107	54	147
		Toluene-d8	50	52.1	104	58	134
		4-Bromofluorobenzene	50	53.2	106	29	146
VY1111SBSD01	VY1111SBSD01	1,2-Dichloroethane-d4	50	53.5	107	50	163
		Dibromofluoromethane	50	52.1	104	54	147
		Toluene-d8	50	50.3	100	58	134
		4-Bromofluorobenzene	50	52.0	104	29	146
VY1120SBL01	VY1120SBL01	1,2-Dichloroethane-d4	50	53.2	106	50	163
		Dibromofluoromethane	50	48.3	97	54	147
		Toluene-d8	50	48.1	96	58	134
		4-Bromofluorobenzene	50	48.3	97	29	146
VY1120SBS01	VY1120SBS01	1,2-Dichloroethane-d4	50	43.3	87	50	163
		Dibromofluoromethane	50	41.3	83	54	147
		Toluene-d8	50	42.7	85	58	134
		4-Bromofluorobenzene	50	44.3	88	29	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8260D

Datafile : VY020241.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1111SBS01	Dichlorodifluoromethane	20	16.2	ug/Kg	81			64	136	
	Chloromethane	20	22.0	ug/Kg	110			70	130	
	Vinyl chloride	20	21.7	ug/Kg	109			72	129	
	Bromomethane	20	24.9	ug/Kg	125			58	141	
	Chloroethane	20	23.8	ug/Kg	119			69	130	
	Trichlorofluoromethane	20	22.7	ug/Kg	114			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	19.4	ug/Kg	97			79	121	
	Acetone	100	88.8	ug/Kg	89			60	131	
	Carbon disulfide	20	17.2	ug/Kg	86			45	154	
	Methyl tert-butyl Ether	20	20.6	ug/Kg	103			77	129	
	Methyl Acetate	20	19.2	ug/Kg	96			69	149	
	Methylene Chloride	20	18.3	ug/Kg	92			56	174	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			80	123	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			82	123	
	Cyclohexane	20	18.6	ug/Kg	93			76	122	
	2-Butanone	100	93.2	ug/Kg	93			69	131	
	Carbon Tetrachloride	20	20.1	ug/Kg	101			76	129	
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102			82	123	
	Bromochloromethane	20	18.6	ug/Kg	93			80	127	
	Chloroform	20	20.9	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	21.4	ug/Kg	107			80	126	
	Methylcyclohexane	20	18.9	ug/Kg	95			77	123	
	Benzene	20	20.4	ug/Kg	102			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	20.3	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			83	122	
	Bromodichloromethane	20	20.7	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	95.3	ug/Kg	95			70	135	
	Toluene	20	20.3	ug/Kg	102			83	122	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	21.2	ug/Kg	106			82	125	
	2-Hexanone	100	95.2	ug/Kg	95			66	138	
	Dibromochloromethane	20	20.6	ug/Kg	103			79	125	
	1,2-Dibromoethane	20	19.9	ug/Kg	100			80	125	
	Tetrachloroethene	20	21.6	ug/Kg	108			83	125	
	Chlorobenzene	20	20.7	ug/Kg	104			84	122	
	Ethyl Benzene	20	20.6	ug/Kg	103			82	124	
	m/p-Xylenes	40	42.3	ug/Kg	106			83	124	
	o-Xylene	20	21.0	ug/Kg	105			83	123	
	Styrene	20	21.0	ug/Kg	105			82	124	
	Bromoform	20	21.2	ug/Kg	106			75	127	
	Isopropylbenzene	20	21.3	ug/Kg	106			82	124	
	1,1,2,2-Tetrachloroethane	20	20.2	ug/Kg	101			77	127	
	1,3-Dichlorobenzene	20	20.6	ug/Kg	103			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	21.2	ug/Kg	106			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8260D

Datafile : VY020241.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1111SBS01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99			66	134	
	1,2,4-Trichlorobenzene	20	19.1	ug/Kg	96			78	127	
	1,2,3-Trichlorobenzene	20	18.7	ug/Kg	94			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8260D

Datafile : VY020242.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1111SBSD01	Dichlorodifluoromethane	20	19.1	ug/Kg	96	17		64	136	20
	Chloromethane	20	19.2	ug/Kg	96	14		70	130	20
	Vinyl chloride	20	19.6	ug/Kg	98	11		72	129	20
	Bromomethane	20	21.3	ug/Kg	106	16		58	141	20
	Chloroethane	20	21.0	ug/Kg	105	13		69	130	20
	Trichlorofluoromethane	20	20.9	ug/Kg	104	9		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/Kg	106	2		81	123	20
	1,1-Dichloroethene	20	20.8	ug/Kg	104	7		79	121	20
	Acetone	100	110	ug/Kg	110	21	*	60	131	20
	Carbon disulfide	20	17.8	ug/Kg	89	3		45	154	20
	Methyl tert-butyl Ether	20	22.3	ug/Kg	112	8		77	129	20
	Methyl Acetate	20	21.5	ug/Kg	108	12		69	149	20
	Methylene Chloride	20	18.9	ug/Kg	95	3		56	174	20
	trans-1,2-Dichloroethene	20	20.3	ug/Kg	102	2		80	123	20
	1,1-Dichloroethane	20	20.7	ug/Kg	104	2		82	123	20
	Cyclohexane	20	18.6	ug/Kg	93	0		76	122	20
	2-Butanone	100	110	ug/Kg	110	17		69	131	20
	Carbon Tetrachloride	20	20.3	ug/Kg	102	1		76	129	20
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104	2		82	123	20
	Bromochloromethane	20	20.1	ug/Kg	101	8		80	127	20
	Chloroform	20	21.5	ug/Kg	108	4		82	125	20
	1,1,1-Trichloroethane	20	21.5	ug/Kg	108	1		80	126	20
	Methylcyclohexane	20	18.6	ug/Kg	93	2		77	123	20
	Benzene	20	20.3	ug/Kg	102	0		84	121	20
	1,2-Dichloroethane	20	21.4	ug/Kg	107	5		81	126	20
	Trichloroethene	20	20.6	ug/Kg	103	1		83	122	20
	1,2-Dichloropropane	20	21.1	ug/Kg	106	3		83	122	20
	Bromodichloromethane	20	21.4	ug/Kg	107	3		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	15		70	135	20
	Toluene	20	20.4	ug/Kg	102	0		83	122	20
	t-1,3-Dichloropropene	20	20.8	ug/Kg	104	3		78	124	20
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104	0		81	122	20
	1,1,2-Trichloroethane	20	21.8	ug/Kg	109	3		82	125	20
	2-Hexanone	100	110	ug/Kg	110	15		66	138	20
	Dibromochloromethane	20	21.8	ug/Kg	109	6		79	125	20
	1,2-Dibromoethane	20	22.0	ug/Kg	110	10		80	125	20
	Tetrachloroethene	20	21.5	ug/Kg	108	0		83	125	20
	Chlorobenzene	20	20.7	ug/Kg	104	0		84	122	20
	Ethyl Benzene	20	20.0	ug/Kg	100	3		82	124	20
	m/p-Xylenes	40	40.9	ug/Kg	102	4		83	124	20
	o-Xylene	20	20.3	ug/Kg	102	3		83	123	20
	Styrene	20	20.6	ug/Kg	103	2		82	124	20
	Bromoform	20	22.1	ug/Kg	111	5		75	127	20
	Isopropylbenzene	20	20.5	ug/Kg	103	3		82	124	20
	1,1,2,2-Tetrachloroethane	20	20.8	ug/Kg	104	3		77	127	20
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	1		83	122	20
	1,4-Dichlorobenzene	20	20.9	ug/Kg	104	1		84	121	20
	1,2-Dichlorobenzene	20	21.5	ug/Kg	108	2		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8260D

Datafile : VY020242.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1111SBSD01	1,2-Dibromo-3-Chloropropane	20	21.7	ug/Kg	109	10		66	134	20
	1,2,4-Trichlorobenzene	20	20.0	ug/Kg	100	4		78	127	20
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100	6		70	137	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8260D

Datafile : VY020349.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1120SBS01	Dichlorodifluoromethane	20	21.8	ug/Kg	109			64	136	
	Chloromethane	20	14.5	ug/Kg	73			70	130	
	Vinyl chloride	20	16.0	ug/Kg	80			72	129	
	Bromomethane	20	16.6	ug/Kg	83			58	141	
	Chloroethane	20	15.9	ug/Kg	79			69	130	
	Trichlorofluoromethane	20	19.1	ug/Kg	96			69	134	
	1,1,2-Trichlorotrifluoroethane	20	18.2	ug/Kg	91			81	123	
	1,1-Dichloroethene	20	17.9	ug/Kg	90			79	121	
	Acetone	100	85.6	ug/Kg	86			60	131	
	Carbon disulfide	20	17.2	ug/Kg	86			45	154	
	Methyl tert-butyl Ether	20	17.6	ug/Kg	88			77	129	
	Methyl Acetate	20	16.3	ug/Kg	81			69	149	
	Methylene Chloride	20	17.3	ug/Kg	86			56	174	
	trans-1,2-Dichloroethene	20	17.2	ug/Kg	86			80	123	
	1,1-Dichloroethane	20	17.6	ug/Kg	88			82	123	
	Cyclohexane	20	18.4	ug/Kg	92			76	122	
	2-Butanone	100	92.7	ug/Kg	93			69	131	
	Carbon Tetrachloride	20	20.2	ug/Kg	101			76	129	
	cis-1,2-Dichloroethene	20	18.0	ug/Kg	90			82	123	
	Bromochloromethane	20	17.3	ug/Kg	86			80	127	
	Chloroform	20	17.6	ug/Kg	88			82	125	
	1,1,1-Trichloroethane	20	18.7	ug/Kg	94			80	126	
	Methylcyclohexane	20	19.5	ug/Kg	98			77	123	
	Benzene	20	18.9	ug/Kg	95			84	121	
	1,2-Dichloroethane	20	19.0	ug/Kg	95			81	126	
	Trichloroethene	20	18.6	ug/Kg	93			83	122	
	1,2-Dichloropropane	20	18.2	ug/Kg	91			83	122	
	Bromodichloromethane	20	18.4	ug/Kg	92			82	123	
	4-Methyl-2-Pentanone	100	93.2	ug/Kg	93			70	135	
	Toluene	20	18.9	ug/Kg	95			83	122	
	t-1,3-Dichloropropene	20	18.2	ug/Kg	91			78	124	
	cis-1,3-Dichloropropene	20	18.9	ug/Kg	95			81	122	
	1,1,2-Trichloroethane	20	17.9	ug/Kg	90			82	125	
	2-Hexanone	100	94.7	ug/Kg	95			66	138	
	Dibromochloromethane	20	17.9	ug/Kg	90			79	125	
	1,2-Dibromoethane	20	17.6	ug/Kg	88			80	125	
	Tetrachloroethene	20	18.4	ug/Kg	92			83	125	
	Chlorobenzene	20	18.3	ug/Kg	92			84	122	
	Ethyl Benzene	20	18.7	ug/Kg	94			82	124	
	m/p-Xylenes	40	38.1	ug/Kg	95			83	124	
	o-Xylene	20	18.6	ug/Kg	93			83	123	
	Styrene	20	19.2	ug/Kg	96			82	124	
	Bromoform	20	18.7	ug/Kg	94			75	127	
	Isopropylbenzene	20	18.5	ug/Kg	93			82	124	
	1,1,2,2-Tetrachloroethane	20	17.3	ug/Kg	86			77	127	
	1,3-Dichlorobenzene	20	17.8	ug/Kg	89			83	122	
	1,4-Dichlorobenzene	20	18.1	ug/Kg	91			84	121	
	1,2-Dichlorobenzene	20	17.9	ug/Kg	90			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8260D

Datafile : VY020349.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1120SBS01	1,2-Dibromo-3-Chloropropane	20	17.3	ug/Kg	86			66	134	
	1,2,4-Trichlorobenzene	20	18.2	ug/Kg	91			78	127	
	1,2,3-Trichlorobenzene	20	18.2	ug/Kg	91			70	137	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1111SBL01

Lab Name: CHEMTECH

Contract: JPC101

Lab Code: CHEM Case No.: P4768

SAS No.: P4768 SDG NO.: P4768

Lab File ID: VY020240.D

Lab Sample ID: VY1111SBL01

Date Analyzed: 11/11/2024

Time Analyzed: 11:39

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
VY1111SBS01	VY1111SBS01	VY020241.D	11/11/2024
VY1111SBSD01	VY1111SBSD01	VY020242.D	11/11/2024
B-3-1	P4768-01	VY020243.D	11/11/2024
B-3-2	P4768-02	VY020244.D	11/11/2024
B-3-3	P4768-03	VY020245.D	11/11/2024
B-5	P4768-05	VY020247.D	11/11/2024
B-6-2	P4768-06	VY020248.D	11/11/2024
B-6-3	P4768-07	VY020249.D	11/11/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1120SBL01

Lab Name: CHEMTECH

Contract: JPCL01

Lab Code: CHEM Case No.: P4768

SAS No.: P4768 SDG NO.: P4768

Lab File ID: VY020348.D

Lab Sample ID: VY1120SBL01

Date Analyzed: 11/20/2024

Time Analyzed: 10:07

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
VY1120SBS01	VY1120SBS01	VY020349.D	11/20/2024
B-4	P4768-04	VY020370.D	11/20/2024

COMMENTS: _____



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JPCL01
Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768
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: JPCL01
Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768
Lab File ID: VY020238.D BFB Injection Date: 11/11/2024
Instrument ID: MSVOA_Y BFB Injection Time: 09:30
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	24.2
75	30.0 - 60.0% of mass 95	57.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.4 (7.4) 1
176	95.0 - 101.0% of mass 174	71.2 (97.5) 1
177	5.0 - 9.0% of mass 176	4.3 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020239.D	11/11/2024	11:11
VY1111SBL01	VY1111SBL01	VY020240.D	11/11/2024	11:39
VY1111SBS01	VY1111SBS01	VY020241.D	11/11/2024	12:16
VY1111SBSD01	VY1111SBSD01	VY020242.D	11/11/2024	12:38
B-3-1	P4768-01	VY020243.D	11/11/2024	13:15
B-3-2	P4768-02	VY020244.D	11/11/2024	13:38
B-3-3	P4768-03	VY020245.D	11/11/2024	14:02
B-5	P4768-05	VY020247.D	11/11/2024	14:49
B-6-2	P4768-06	VY020248.D	11/11/2024	15:12
B-6-3	P4768-07	VY020249.D	11/11/2024	15:35



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JPCL01
Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768
Lab File ID: VY020337.D BFB Injection Date: 11/19/2024
Instrument ID: MSVOA_Y BFB Injection Time: 14:40
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	21.7
75	30.0 - 60.0% of mass 95	55.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (0.9) 1
174	50.0 - 100.0% of mass 95	81.6
175	5.0 - 9.0% of mass 174	6.4 (7.8) 1
176	95.0 - 101.0% of mass 174	79 (96.8) 1
177	5.0 - 9.0% of mass 176	5.4 (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
VSTDICC005	VSTDICC005	VY020338.D	11/19/2024	15:49
VSTDICC010	VSTDICC010	VY020339.D	11/19/2024	16:12
VSTDICC020	VSTDICC020	VY020340.D	11/19/2024	16:35
VSTDICC050	VSTDICC050	VY020341.D	11/19/2024	16:57
VSTDICC100	VSTDICC100	VY020342.D	11/19/2024	17:20
VSTDICC150	VSTDICC150	VY020343.D	11/19/2024	17:42



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JPCL01
Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768
Lab File ID: VY020346.D BFB Injection Date: 11/20/2024
Instrument ID: MSVOA_Y BFB Injection Time: 08:23
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	56.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	76
175	5.0 - 9.0% of mass 174	6.1 (8) 1
176	95.0 - 101.0% of mass 174	72.7 (95.6) 1
177	5.0 - 9.0% of mass 176	5.1 (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	VY020347.D	11/20/2024	09:34
VY1120SBL01	VY1120SBL01	VY020348.D	11/20/2024	10:07
VY1120SBS01	VY1120SBS01	VY020349.D	11/20/2024	10:53
B-4	P4768-04	VY020370.D	11/20/2024	19:22

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JPCL01
Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768
Lab File ID: VY020239.D Date Analyzed: 11/11/2024
Instrument ID: MSVOA_Y Time Analyzed: 11:11
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	256654	7.71	453274	8.62	393673	11.41
UPPER LIMIT	513308	8.207	906548	9.115	787346	11.913
LOWER LIMIT	128327	7.207	226637	8.115	196837	10.913
EPA SAMPLE NO.						
B-3-1	194671	7.71	402875	8.62	382441	11.41
B-3-2	172854	7.71	359947	8.62	335044	11.41
B-3-3	182592	7.71	390717	8.62	364887	11.41
B-5	173593	7.71	369047	8.62	365456	11.41
B-6-2	190237	7.71	399773	8.62	365761	11.41
B-6-3	182405	7.71	389693	8.62	371704	11.41
VY1111SBL01	215426	7.71	422891	8.62	356582	11.41
VY1111SBS01	253989	7.71	455957	8.62	389005	11.41
VY1111SBSD01	241513	7.71	439980	8.62	382582	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: JPCL01
 Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768
 Lab File ID: VY020239.D Date Analyzed: 11/11/2024
 Instrument ID: MSVOA_Y Time Analyzed: 11:11
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	187296	13.346				
UPPER LIMIT	374592	13.846				
LOWER LIMIT	93648	12.846				
EPA SAMPLE NO.						
B-3-1	133835	13.35				
B-3-2	117809	13.35				
B-3-3	129893	13.35				
B-5	144633	13.35				
B-6-2	128461	13.35				
B-6-3	131499	13.35				
VY1111SBL01	111959	13.35				
VY1111SBS01	179570	13.35				
VY1111SBSD01	176083	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JPCL01
 Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768
 Lab File ID: VY020347.D Date Analyzed: 11/20/2024
 Instrument ID: MSVOA_Y Time Analyzed: 09:34
 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	225214	7.71	368816	8.62	305686	11.42
UPPER LIMIT	450428	8.213	737632	9.122	611372	11.92
LOWER LIMIT	112607	7.213	184408	8.122	152843	10.92
EPA SAMPLE NO.						
B-4	142436	7.71	269453	8.62	254267	11.41
VY1120SBL01	160712	7.71	312610	8.62	282610	11.42
VY1120SBS01	210349	7.71	347339	8.62	288195	11.42

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: JPCL01
 Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768
 Lab File ID: VY020347.D Date Analyzed: 11/20/2024
 Instrument ID: MSVOA_Y Time Analyzed: 09:34
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	139421	13.352				
UPPER LIMIT	278842	13.852				
LOWER LIMIT	69710.5	12.852				
EPA SAMPLE NO.						
B-4	98434	13.35				
VY1120SBL01	104132	13.35				
VY1120SBS01	135305	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:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.2
Sample Wt/Vol:	2.65 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
VY020243.D	1		11/11/24 13:15	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.30	U	3.30	10.0	ug/Kg
74-87-3	Chloromethane	2.30	U	2.30	10.0	ug/Kg
75-01-4	Vinyl Chloride	1.50	U	1.50	10.0	ug/Kg
74-83-9	Bromomethane	2.10	U	2.10	10.0	ug/Kg
75-00-3	Chloroethane	2.00	U	2.00	10.0	ug/Kg
75-69-4	Trichlorofluoromethane	1.80	U	1.80	10.0	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.10	U	2.10	10.0	ug/Kg
75-35-4	1,1-Dichloroethene	1.60	U	1.60	10.0	ug/Kg
67-64-1	Acetone	12.5	U	12.5	50.1	ug/Kg
75-15-0	Carbon Disulfide	2.60	U	2.60	10.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.30	U	1.30	10.0	ug/Kg
79-20-9	Methyl Acetate	3.60	U	3.60	10.0	ug/Kg
75-09-2	Methylene Chloride	6.80	U	6.80	20.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.70	U	1.70	10.0	ug/Kg
75-34-3	1,1-Dichloroethane	1.30	U	1.30	10.0	ug/Kg
110-82-7	Cyclohexane	1.40	U	1.40	10.0	ug/Kg
78-93-3	2-Butanone	11.4	U	11.4	50.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.70	U	1.70	10.0	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.20	U	1.20	10.0	ug/Kg
74-97-5	Bromochloromethane	4.80	U	4.80	10.0	ug/Kg
67-66-3	Chloroform	1.30	U	1.30	10.0	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.60	U	1.60	10.0	ug/Kg
108-87-2	Methylcyclohexane	1.70	U	1.70	10.0	ug/Kg
71-43-2	Benzene	1.40	U	1.40	10.0	ug/Kg
107-06-2	1,2-Dichloroethane	1.20	U	1.20	10.0	ug/Kg
79-01-6	Trichloroethene	1.50	U	1.50	10.0	ug/Kg
78-87-5	1,2-Dichloropropane	1.30	U	1.30	10.0	ug/Kg
75-27-4	Bromodichloromethane	1.10	U	1.10	10.0	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.70	U	8.70	50.1	ug/Kg
108-88-3	Toluene	1.30	U	1.30	10.0	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.2
Sample Wt/Vol:	2.65	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
VY020243.D	1		11/11/24 13:15	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.20	U	1.20	10.0	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.10	U	1.10	10.0	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.70	U	1.70	10.0	ug/Kg
591-78-6	2-Hexanone	9.60	U	9.60	50.1	ug/Kg
124-48-1	Dibromochloromethane	1.30	U	1.30	10.0	ug/Kg
106-93-4	1,2-Dibromoethane	1.60	U	1.60	10.0	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	1.80	10.0	ug/Kg
108-90-7	Chlorobenzene	1.50	U	1.50	10.0	ug/Kg
100-41-4	Ethyl Benzene	17.8		1.20	10.0	ug/Kg
179601-23-1	m/p-Xylenes	73.3		2.70	20.0	ug/Kg
95-47-6	o-Xylene	22.5		1.40	10.0	ug/Kg
100-42-5	Styrene	1.20	U	1.20	10.0	ug/Kg
75-25-2	Bromoform	1.60	U	1.60	10.0	ug/Kg
98-82-8	Isopropylbenzene	1.30	U	1.30	10.0	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	2.20	10.0	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	10.0	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	10.0	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	10.0	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.10	U	3.10	10.0	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.60	U	1.60	10.0	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.60	U	1.60	10.0	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	56.3	50 - 163	113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3	54 - 147	103%	SPK: 50
2037-26-5	Toluene-d8	49.9	58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5	29 - 146	97%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	195000	7.707
540-36-3	1,4-Difluorobenzene	403000	8.616
3114-55-4	Chlorobenzene-d5	382000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.347

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.2
Sample Wt/Vol:	2.65 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
VY020243.D	1		11/11/24 13:15	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001839-63-0	Cyclohexane, 1,3,5-trimethyl-	12.5	J		10.9	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	13.1	J		11.0	ug/Kg
007667-60-9	Cyclohexane, 1,2,4-trimethyl-, (1.	36.8	J		11.2	ug/Kg
002216-33-3	Octane, 3-methyl-	14.0	J		11.3	ug/Kg
000124-18-5	Decane	31.6	J		12.7	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\VY111124\
 Data File : VY020243.D
 Acq On : 11 Nov 2024 13:15
 Operator : SY/MD
 Sample : P4768-01
 Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-3-1

Quant Time: Nov 11 23:14:39 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)

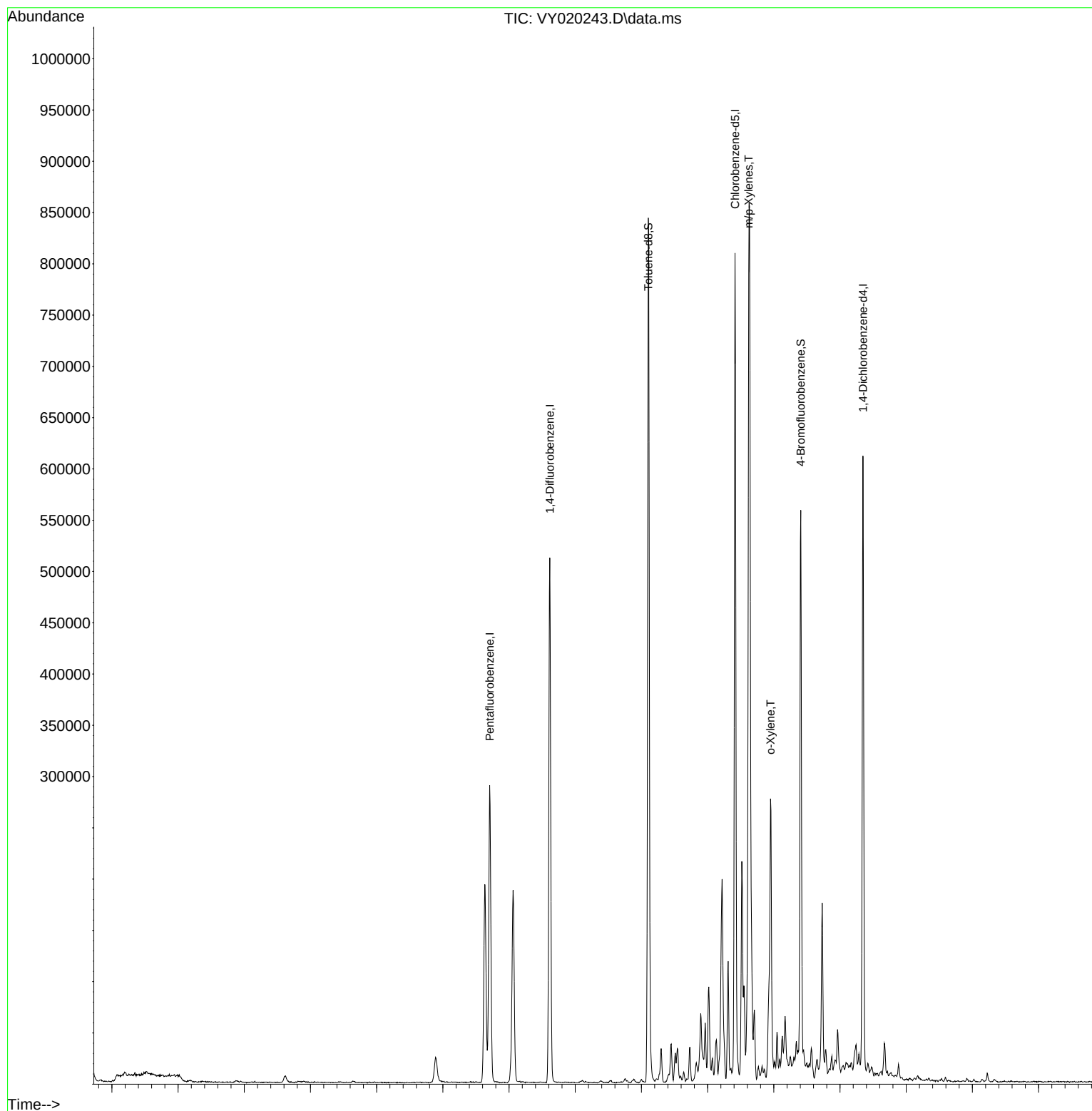
Internal Standards						
1) Pentafluorobenzene	7.707	168	194671	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	402875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	382441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	133835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136782	56.298	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	112.600%	
35) Dibromofluoromethane	7.634	113	131525	51.348	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	102.700%	
50) Toluene-d8	10.103	98	509159	49.938	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	99.880%	
62) 4-Bromofluorobenzene	12.408	95	160547	48.478	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	=	96.960%	
Target Compounds						
						Qvalue
67) Ethyl Benzene	11.518	91	135368	8.887	ug/l	96
68) m/p-Xylenes	11.621	106	203893	36.584	ug/l	89
69) o-Xylene	11.950	106	59241	11.227	ug/l	90

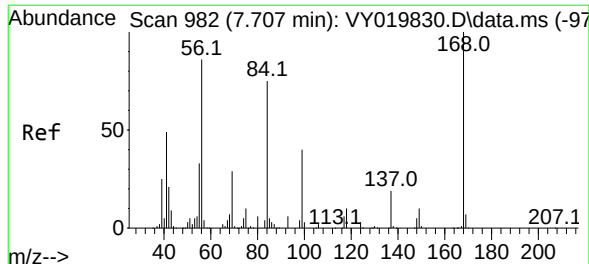
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020243.D
Acq On : 11 Nov 2024 13:15
Operator : SY/MD
Sample : P4768-01
Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

Quant Time: Nov 11 23:14:39 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

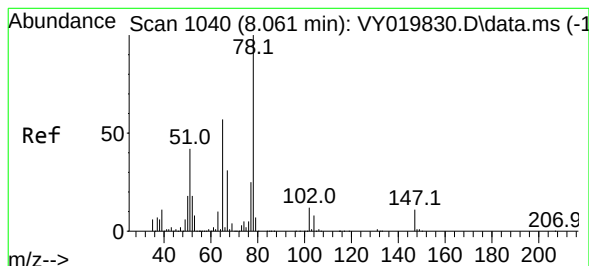
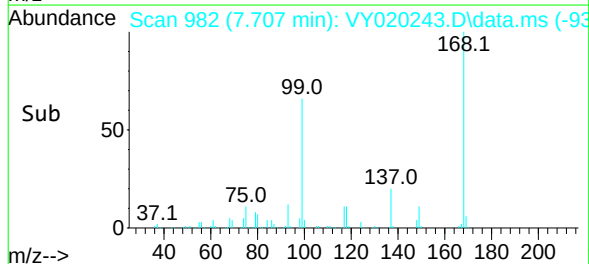
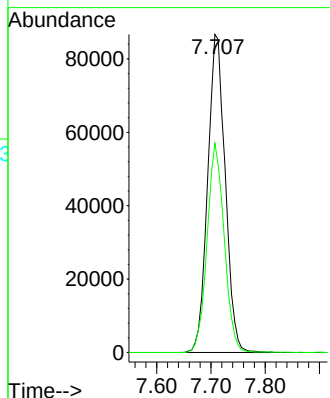
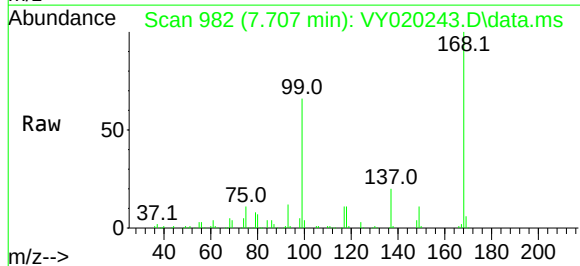




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY020243.D
Acq: 11 Nov 2024 13:15

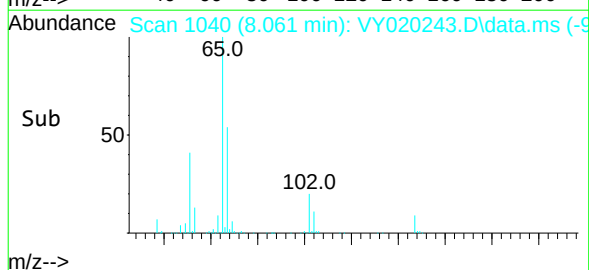
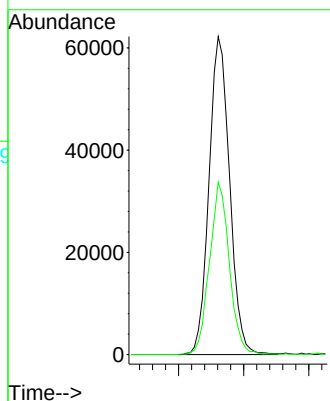
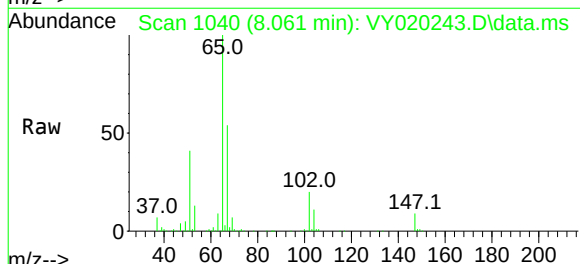
Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

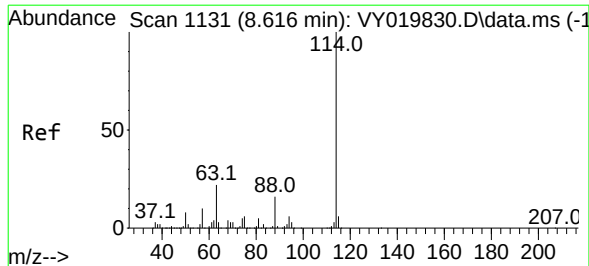
Tgt Ion: 168 Resp: 194671
Ion Ratio Lower Upper
168 100
99 65.8 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 56.298 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020243.D
Acq: 11 Nov 2024 13:15

Tgt Ion: 65 Resp: 136782
Ion Ratio Lower Upper
65 100
67 52.3 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: VY020243.D

Acq: 11 Nov 2024 13:15

Instrument :

MSVOA_Y

ClientSampleId :

B-3-1

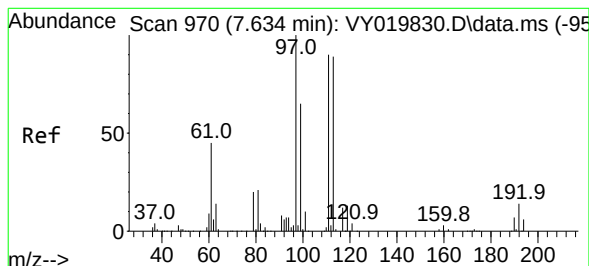
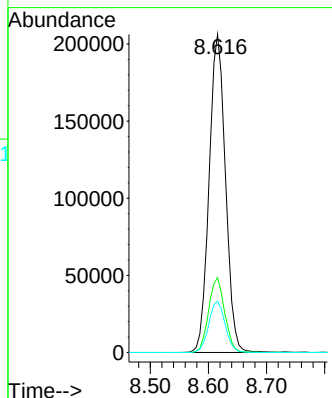
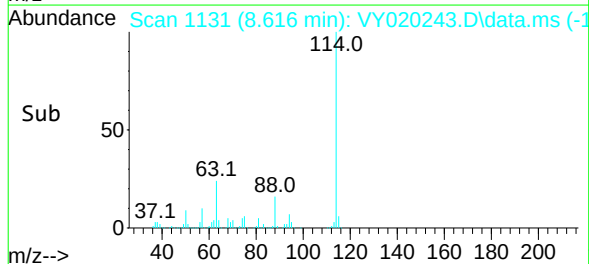
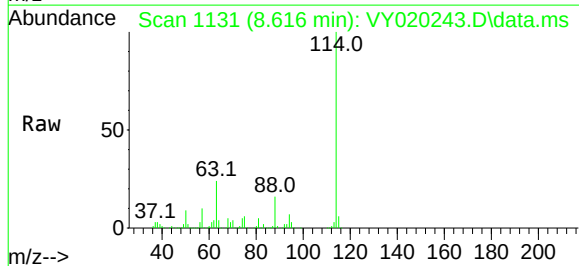
Tgt Ion:114 Resp: 402875

Ion Ratio Lower Upper

114 100

63 23.5 0.0 35.0

88 16.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.348 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY020243.D

Acq: 11 Nov 2024 13:15

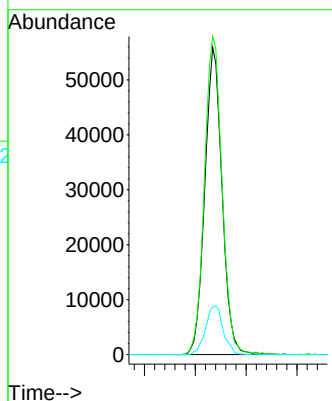
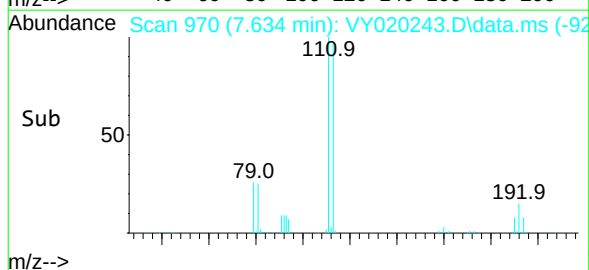
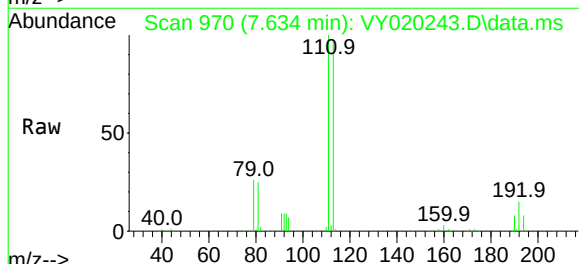
Tgt Ion:113 Resp: 131525

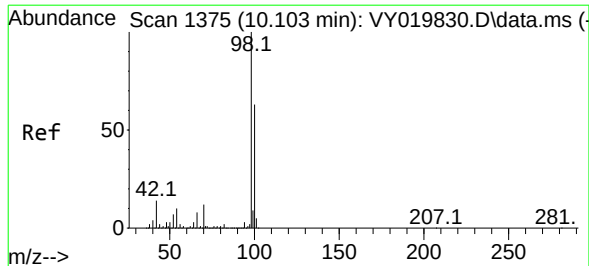
Ion Ratio Lower Upper

113 100

111 106.0 82.2 123.4

192 16.3 15.9 23.9





#50

Toluene-d8

Concen: 49.938 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY020243.D

Acq: 11 Nov 2024 13:15

Instrument :

MSVOA_Y

ClientSampleId :

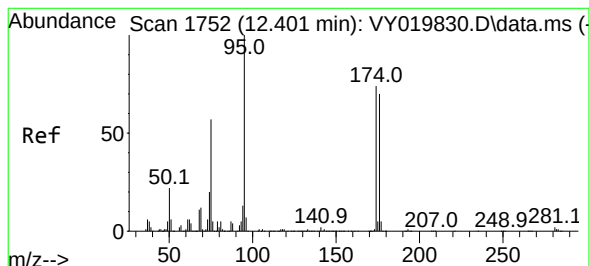
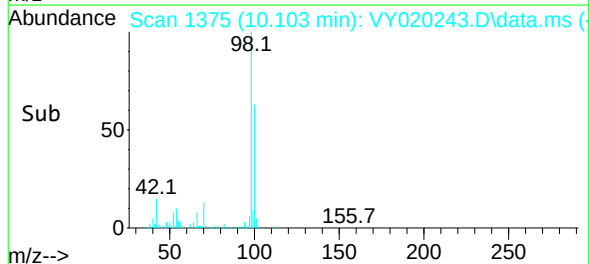
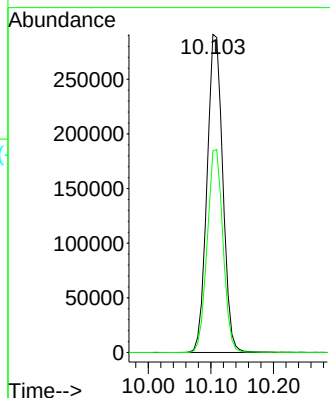
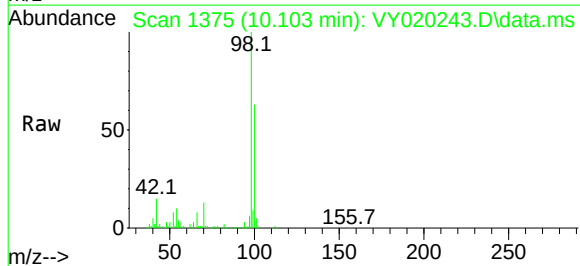
B-3-1

Tgt Ion: 98 Resp: 509159

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 48.478 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020243.D

Acq: 11 Nov 2024 13:15

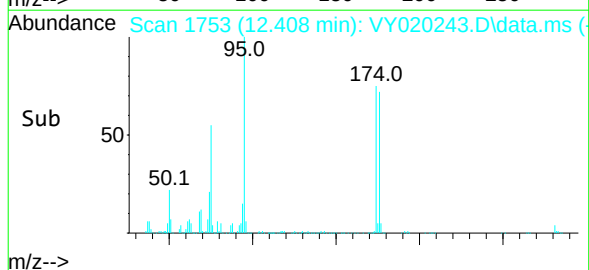
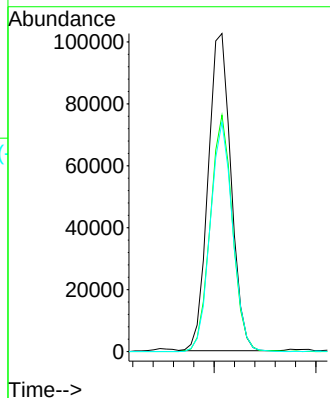
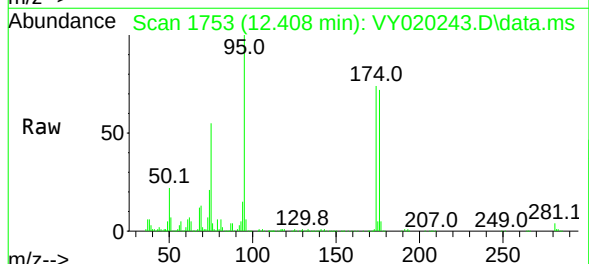
Tgt Ion: 95 Resp: 160547

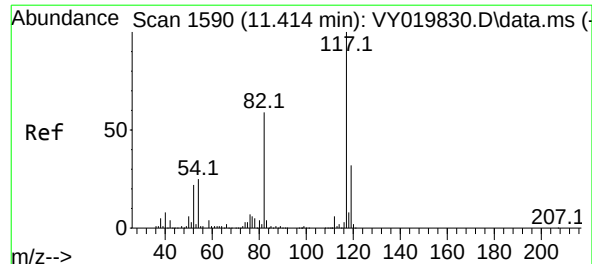
Ion Ratio Lower Upper

95 100

174 72.3 0.0 175.6

176 70.4 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: VY020243.D

Acq: 11 Nov 2024 13:15

Instrument :

MSVOA_Y

ClientSampleId :

B-3-1

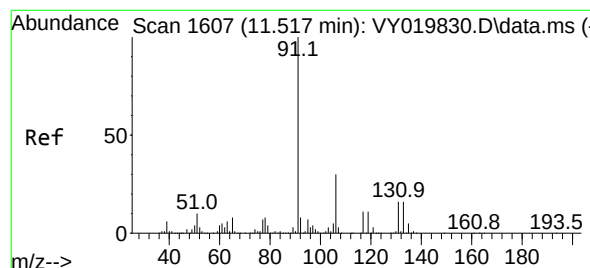
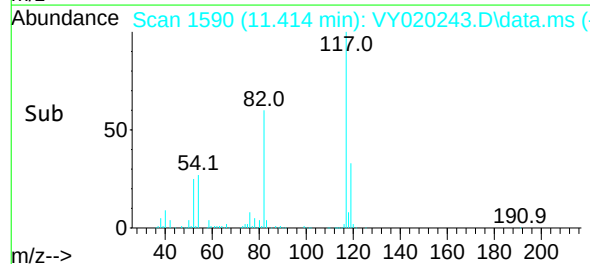
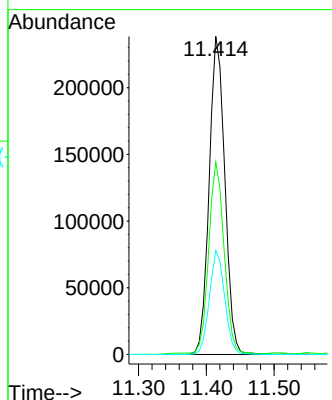
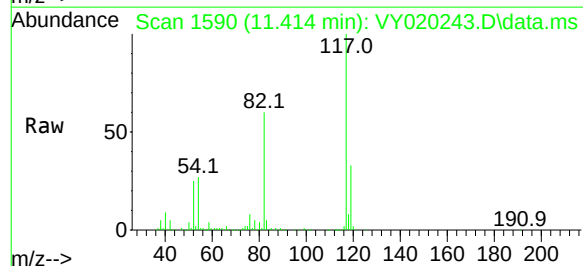
Tgt Ion:117 Resp: 382441

Ion Ratio Lower Upper

117 100

82 60.1 42.4 63.6

119 32.7 25.9 38.9



#67

Ethyl Benzene

Concen: 8.887 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020243.D

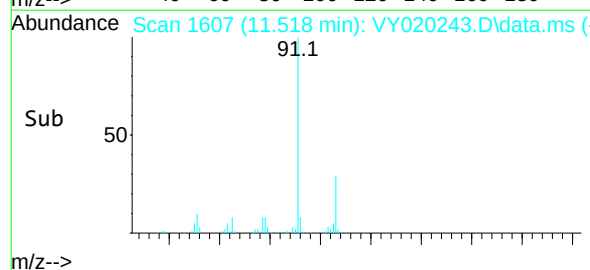
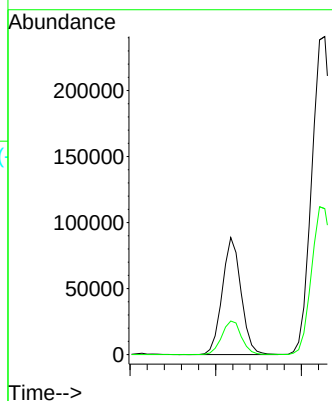
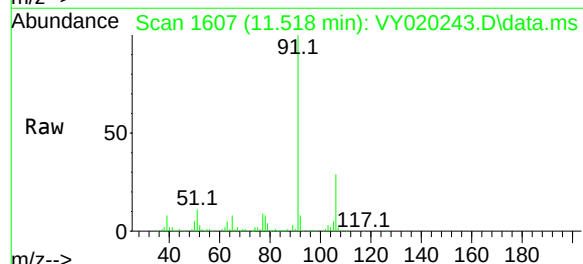
Acq: 11 Nov 2024 13:15

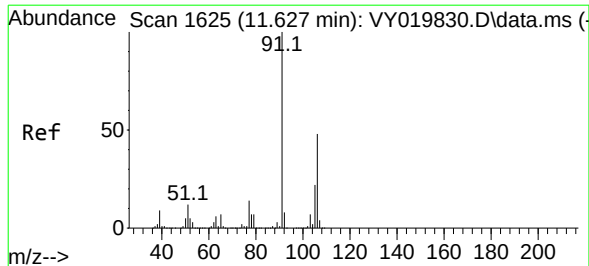
Tgt Ion: 91 Resp: 135368

Ion Ratio Lower Upper

91 100

106 28.7 24.5 36.7





#68

m/p-Xylenes

Concen: 36.584 ug/l

RT: 11.621 min Scan# 1625

Delta R.T. -0.012 min

Lab File: VY020243.D

Acq: 11 Nov 2024 13:15

Instrument :

MSVOA_Y

ClientSampleId :

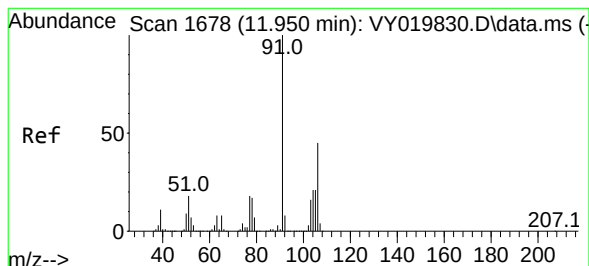
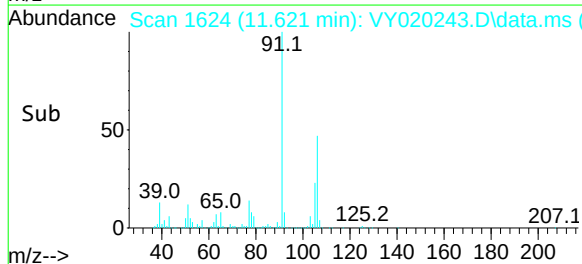
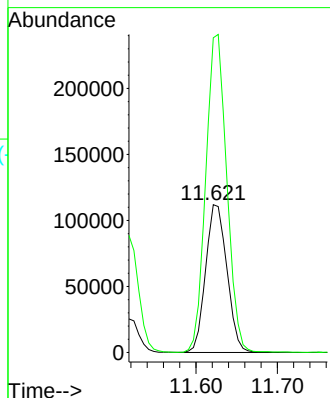
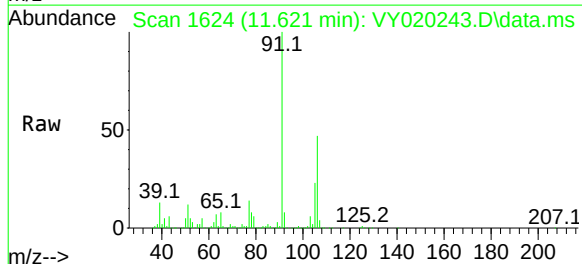
B-3-1

Tgt Ion:106 Resp: 203893

Ion Ratio Lower Upper

106 100

91 212.0 156.0 234.0



#69

o-Xylene

Concen: 11.227 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY020243.D

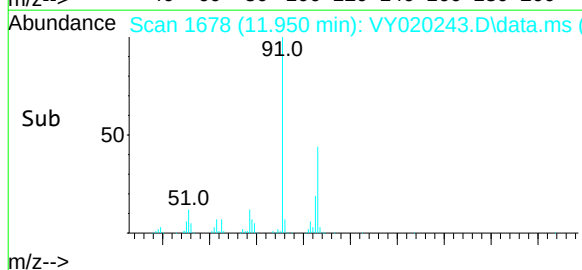
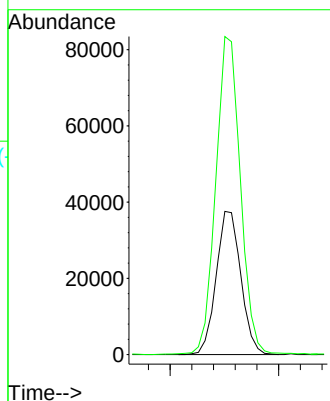
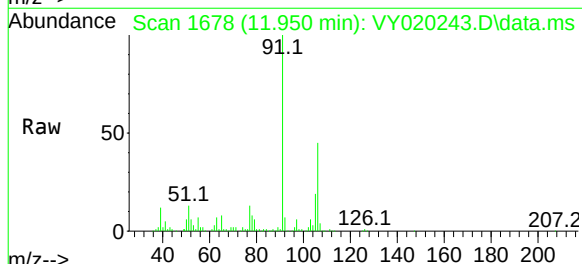
Acq: 11 Nov 2024 13:15

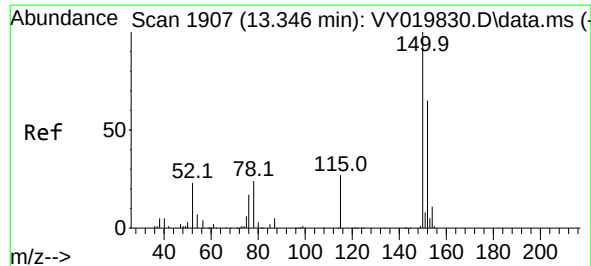
Tgt Ion:106 Resp: 59241

Ion Ratio Lower Upper

106 100

91 223.3 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 19

Delta R.T. 0.000 min

Lab File: VY020243.D

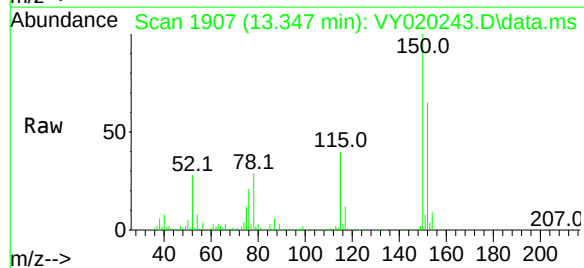
Acq: 11 Nov 2024 13:15

Instrument :

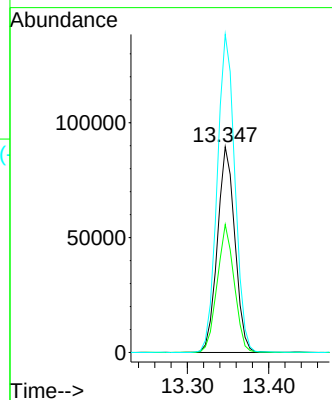
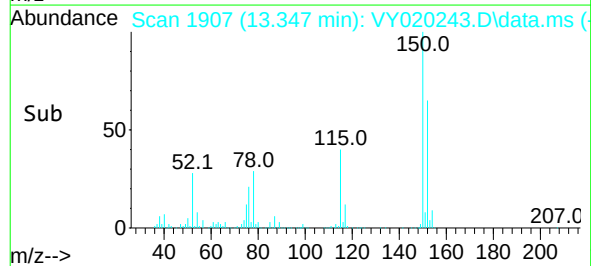
MSVOA_Y

ClientSampleId :

B-3-1



Tgt Ion:	152	Resp:	133835
Ion	Ratio	Lower	Upper
152	100		
115	60.7	28.2	84.7
150	156.6	0.0	345.6



Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.74 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
VY020244.D	1		11/11/24 13:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.50	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.85	U	0.85	5.50	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.87	U	0.87	5.50	ug/Kg
67-64-1	Acetone	6.90	U	6.90	27.7	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.50	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.50	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	11.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.93	U	0.93	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.70	U	0.70	5.50	ug/Kg
110-82-7	Cyclohexane	0.77	U	0.77	5.50	ug/Kg
78-93-3	2-Butanone	6.30	U	6.30	27.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	5.50	ug/Kg
74-97-5	Bromochloromethane	2.70	U	2.70	5.50	ug/Kg
67-66-3	Chloroform	0.74	U	0.74	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	5.50	ug/Kg
108-87-2	Methylcyclohexane	0.97	U	0.97	5.50	ug/Kg
71-43-2	Benzene	0.80	U	0.80	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	5.50	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.80	U	4.80	27.7	ug/Kg
108-88-3	Toluene	0.74	U	0.74	5.50	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.74	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
VY020244.D	1		11/11/24 13:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.67	U	0.67	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.93	U	0.93	5.50	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	27.7	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.50	ug/Kg
127-18-4	Tetrachloroethene	0.99	U	0.99	5.50	ug/Kg
108-90-7	Chlorobenzene	0.82	U	0.82	5.50	ug/Kg
100-41-4	Ethyl Benzene	9.20		0.69	5.50	ug/Kg
179601-23-1	m/p-Xylenes	41.5		1.50	11.1	ug/Kg
95-47-6	o-Xylene	11.9		0.78	5.50	ug/Kg
100-42-5	Styrene	0.67	U	0.67	5.50	ug/Kg
75-25-2	Bromoform	0.90	U	0.90	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.89	U	0.89	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.65	U	0.65	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.88	U	0.88	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.87	U	0.87	5.50	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	56.5	50 - 163	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4	54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.8	58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9	29 - 146	96%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	173000	7.713
540-36-3	1,4-Difluorobenzene	360000	8.616
3114-55-4	Chlorobenzene-d5	335000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.74 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
VY020244.D	1		11/11/24 13:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown11.213	11.5	J		11.2	ug/Kg
000124-18-5	Decane	10.3	J		12.7	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\VY111124\
 Data File : VY020244.D
 Acq On : 11 Nov 2024 13:38
 Operator : SY/MD
 Sample : P4768-02
 Misc : 4.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-3-2

Quant Time: Nov 11 23:15:06 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)

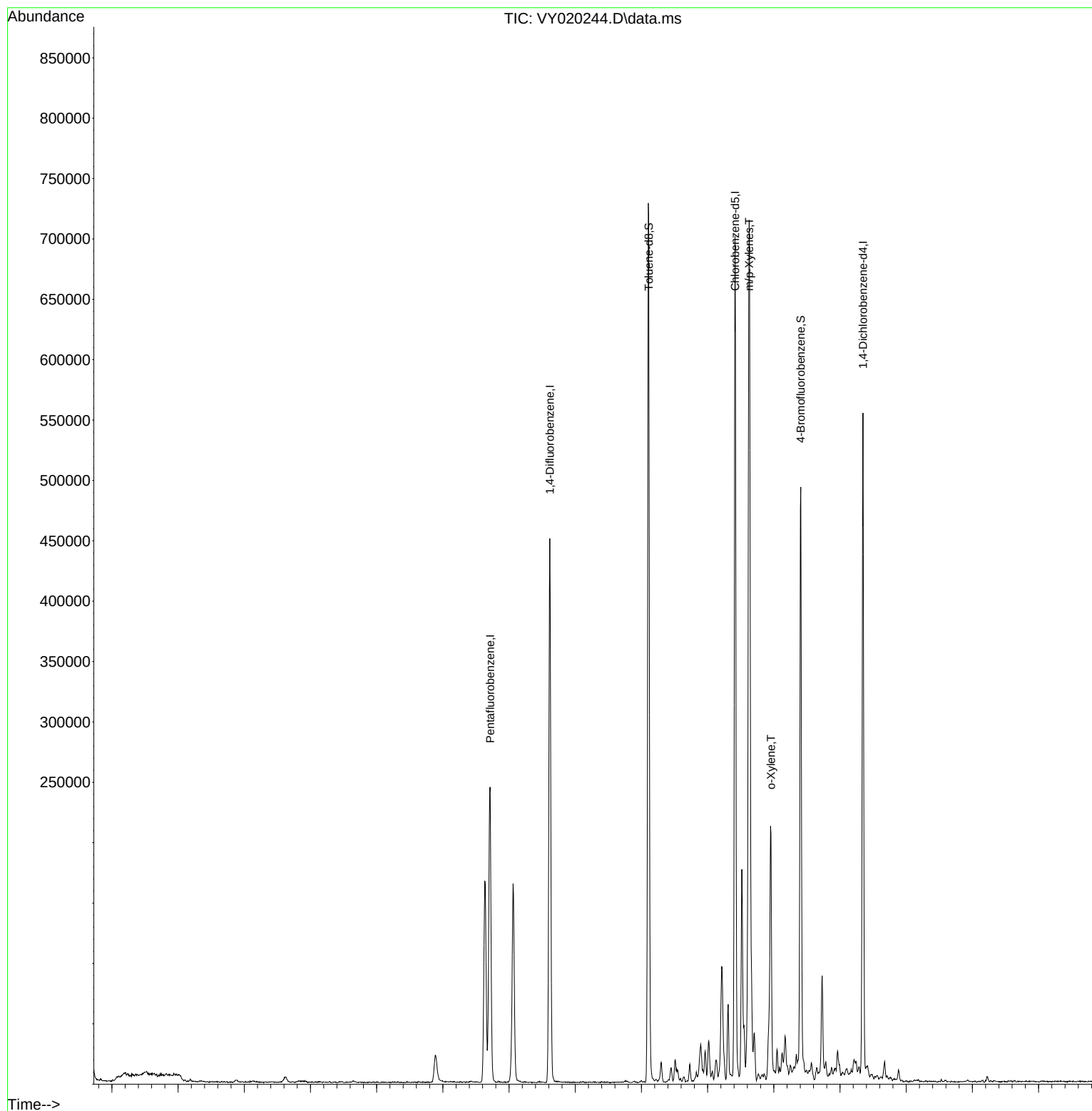
Internal Standards						
1) Pentafluorobenzene	7.713	168	172854	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	359947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	335044	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	117809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	121963	56.534	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.060%
35) Dibromofluoromethane	7.634	113	119898	52.391	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.780%
50) Toluene-d8	10.109	98	453772	49.813	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.620%
62) 4-Bromofluorobenzene	12.408	95	141852	47.942	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	95.880%
Target Compounds						
						Qvalue
67) Ethyl Benzene	11.517	91	110508	8.281	ug/l	100
68) m/p-Xylenes	11.627	106	182574	37.394	ug/l	94
69) o-Xylene	11.956	106	49716	10.755	ug/l	89

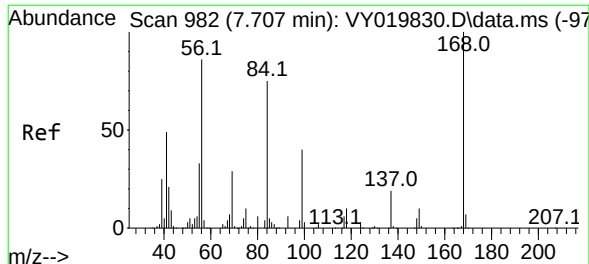
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020244.D
Acq On : 11 Nov 2024 13:38
Operator : SY/MD
Sample : P4768-02
Misc : 4.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

Quant Time: Nov 11 23:15:06 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

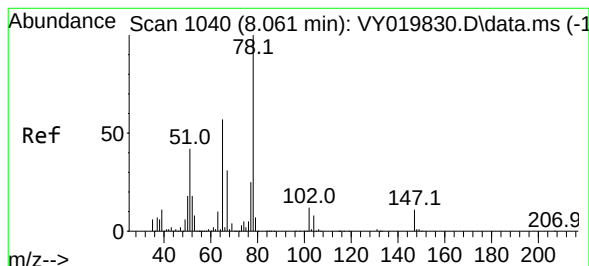
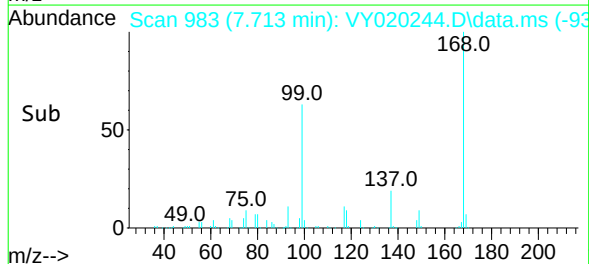
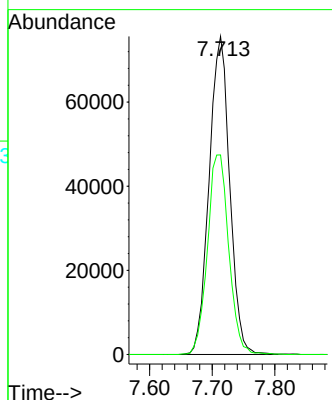
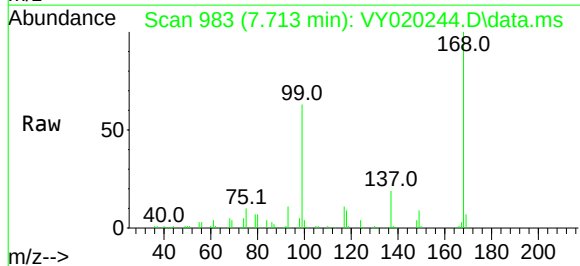




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

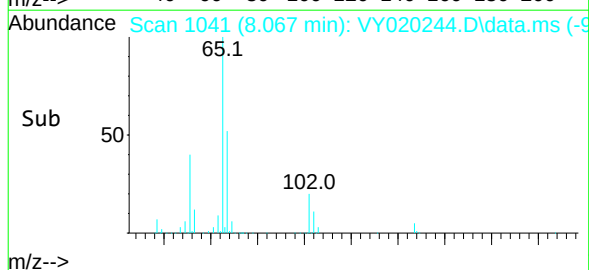
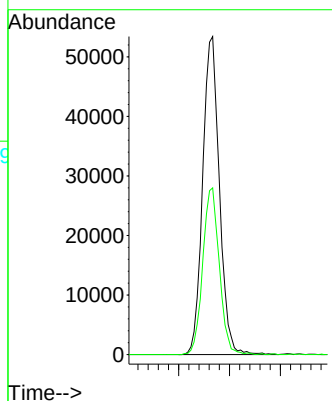
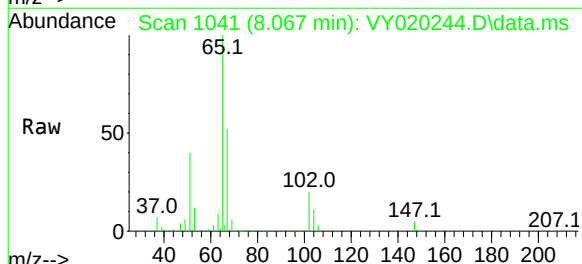
Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

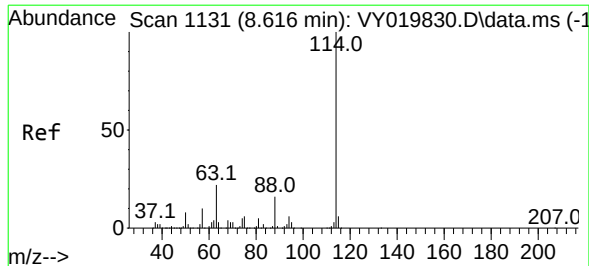
Tgt Ion: 168 Resp: 172854
Ion Ratio Lower Upper
168 100
99 62.7 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 56.534 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Tgt Ion: 65 Resp: 121963
Ion Ratio Lower Upper
65 100
67 51.9 0.0 109.6

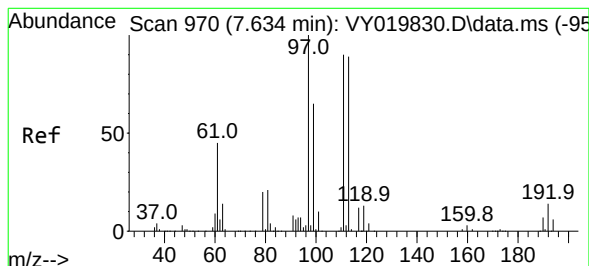
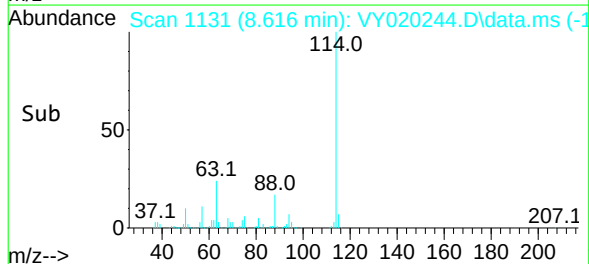
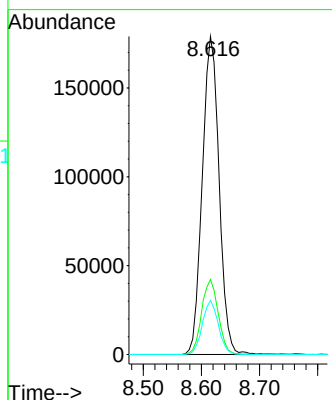
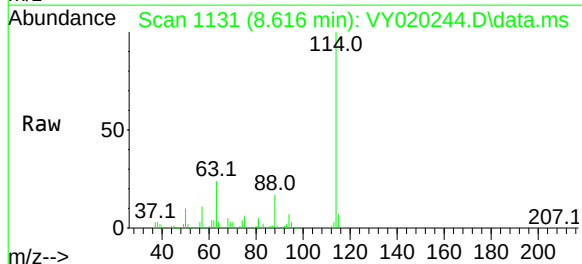




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

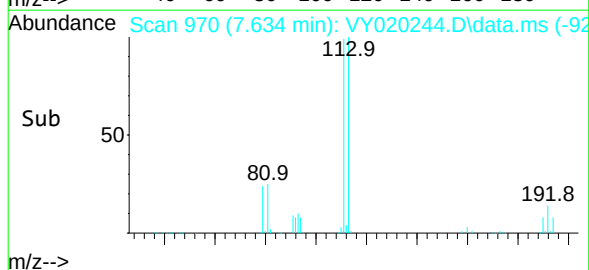
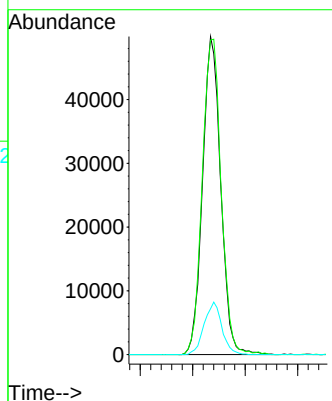
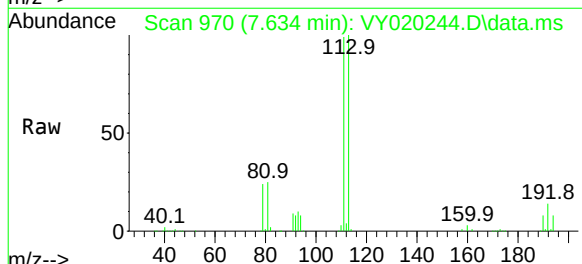
Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

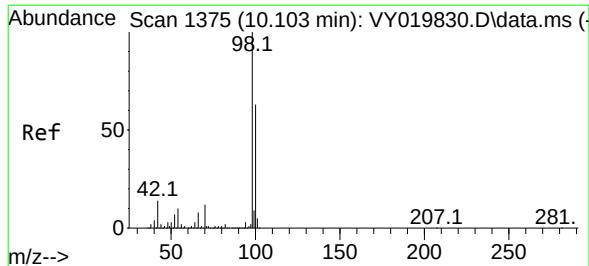
Tgt Ion:114 Resp: 359947
Ion Ratio Lower Upper
114 100
63 23.6 0.0 35.0
88 17.0 0.0 27.2



#35
Dibromofluoromethane
Concen: 52.391 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Tgt Ion:113 Resp: 119898
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 16.1 15.9 23.9





#50

Toluene-d8

Concen: 49.813 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020244.D

Acq: 11 Nov 2024 13:38

Instrument :

MSVOA_Y

ClientSampleId :

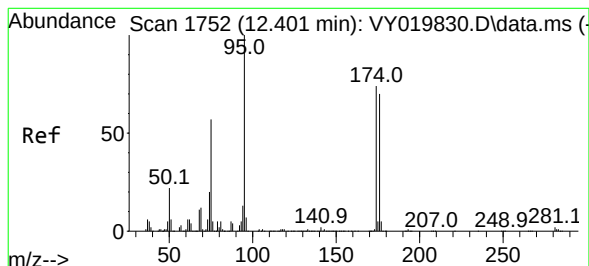
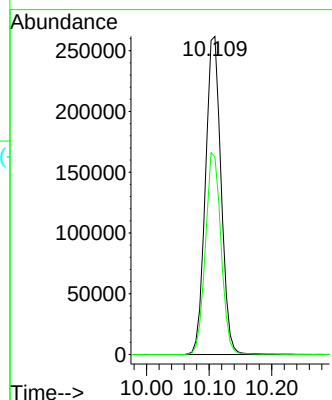
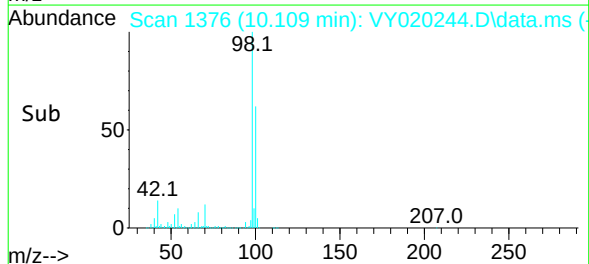
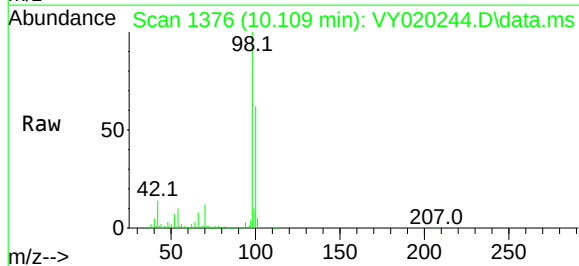
B-3-2

Tgt Ion: 98 Resp: 453772

Ion Ratio Lower Upper

98 100

100 63.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 47.942 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020244.D

Acq: 11 Nov 2024 13:38

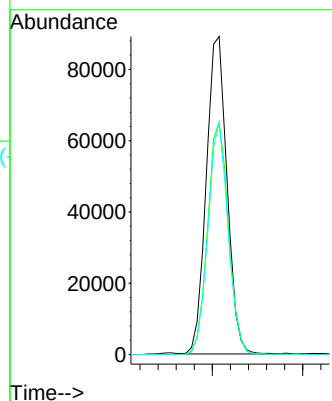
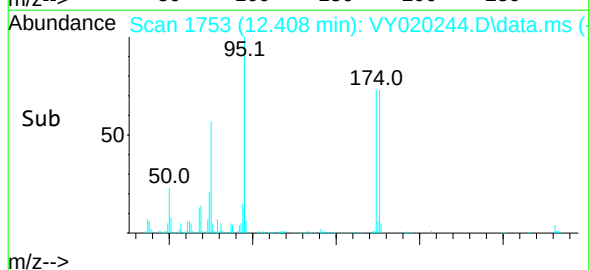
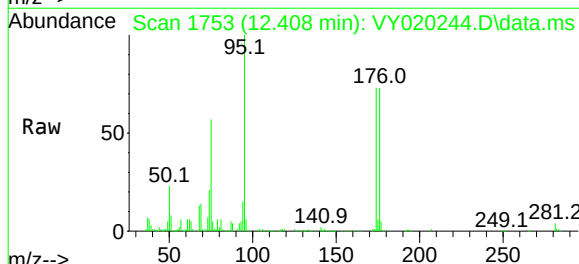
Tgt Ion: 95 Resp: 141852

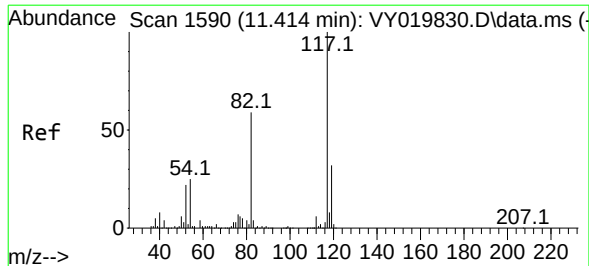
Ion Ratio Lower Upper

95 100

174 73.4 0.0 175.6

176 70.8 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: VY020244.D

Acq: 11 Nov 2024 13:38

Instrument :

MSVOA_Y

ClientSampleId :

B-3-2

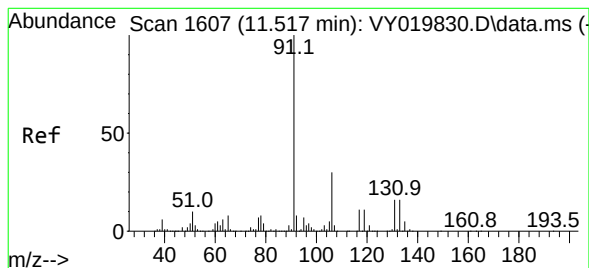
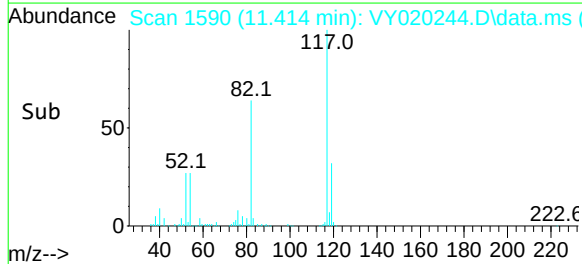
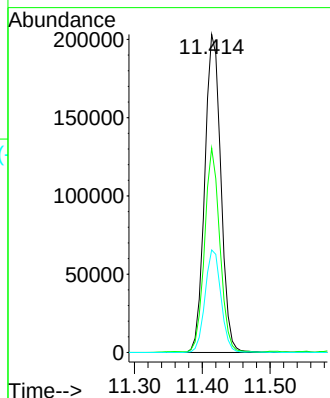
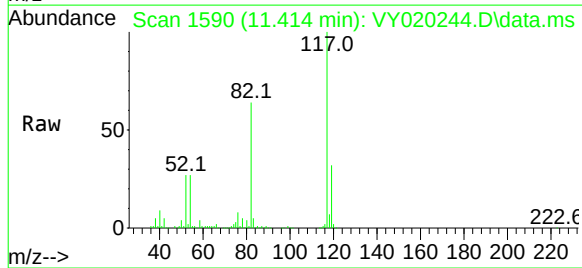
Tgt Ion: 117 Resp: 335044

Ion Ratio Lower Upper

117 100

82 64.0 42.4 63.6#

119 32.2 25.9 38.9



#67

Ethyl Benzene

Concen: 8.281 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020244.D

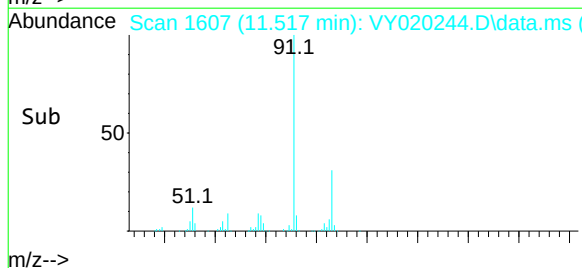
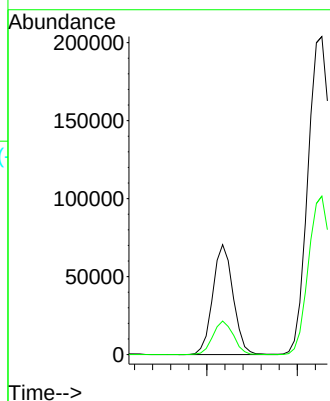
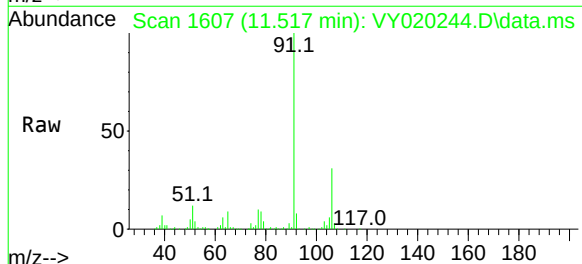
Acq: 11 Nov 2024 13:38

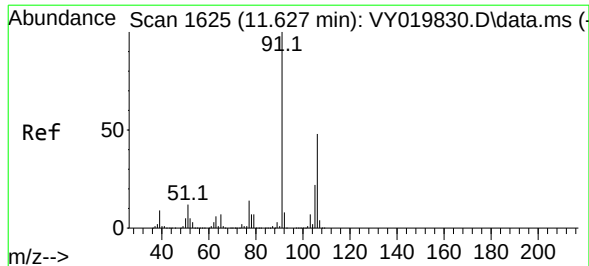
Tgt Ion: 91 Resp: 110508

Ion Ratio Lower Upper

91 100

106 30.6 24.5 36.7





#68

m/p-Xylenes

Concen: 37.394 ug/l

RT: 11.627 min Scan# 16

Delta R.T. -0.006 min

Lab File: VY020244.D

Acq: 11 Nov 2024 13:38

Instrument :

MSVOA_Y

ClientSampleId :

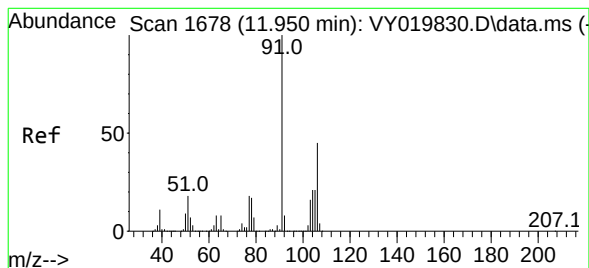
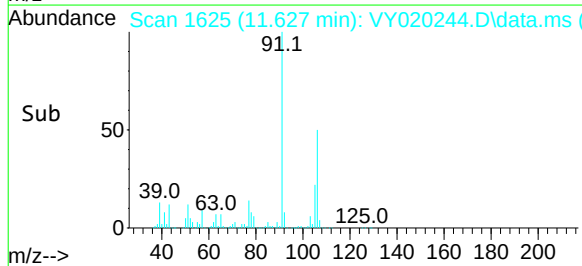
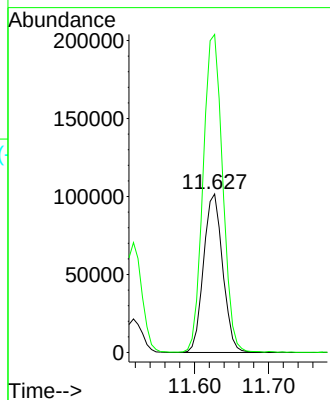
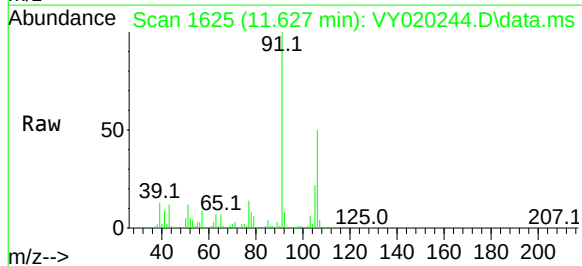
B-3-2

Tgt Ion:106 Resp: 182574

Ion Ratio Lower Upper

106 100

91 204.4 156.0 234.0



#69

o-Xylene

Concen: 10.755 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY020244.D

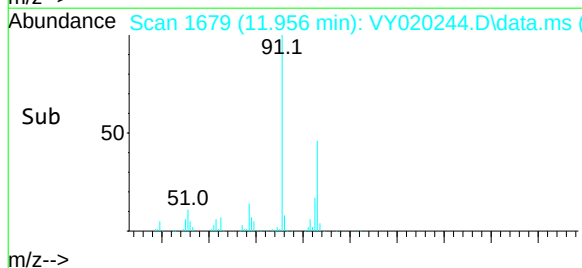
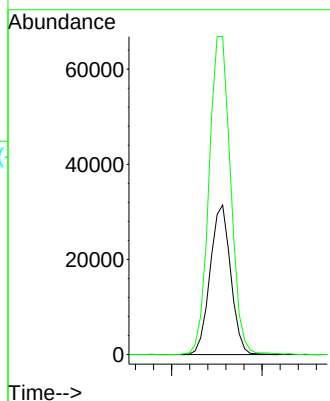
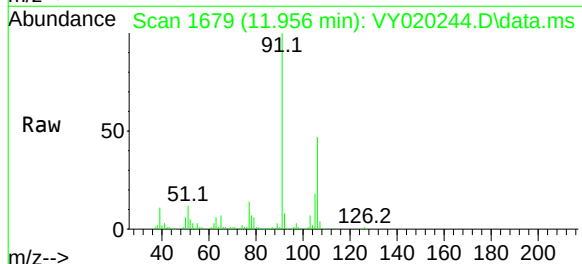
Acq: 11 Nov 2024 13:38

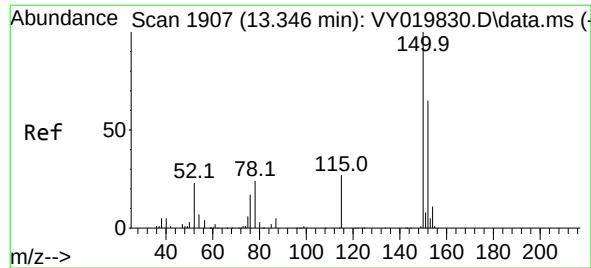
Tgt Ion:106 Resp: 49716

Ion Ratio Lower Upper

106 100

91 223.9 103.6 310.8

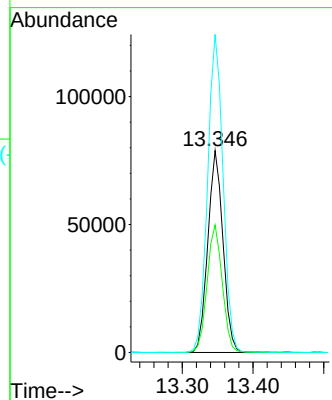
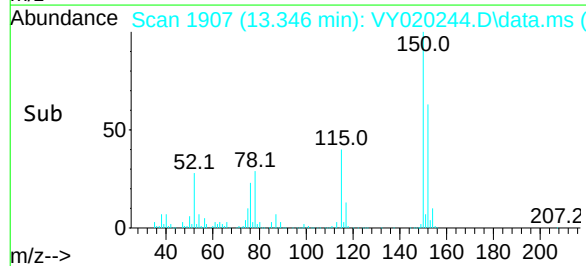
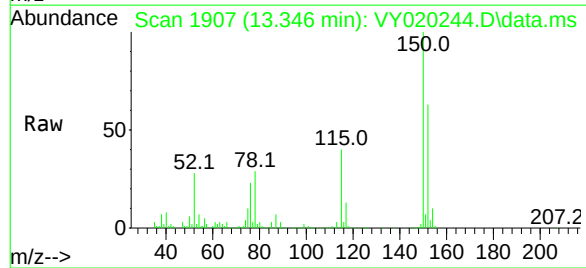




1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	28.2	84.7
150	160.1	0.0	345.6



Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.8
Sample Wt/Vol:	5.59 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
VY020245.D	1		11/11/24 14:02	VY111124

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	0.98	U	0.98	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	1.20	U	1.20	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	9.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	4.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.61	U	0.61	4.90	ug/Kg
110-82-7	Cyclohexane	0.67	U	0.67	4.90	ug/Kg
78-93-3	2-Butanone	5.50	U	5.50	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	0.59	U	0.59	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	0.59	U	0.59	4.90	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.64	U	0.64	4.90	ug/Kg
75-27-4	Bromodichloromethane	0.55	U	0.55	4.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.20	U	4.20	24.4	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.90	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.8
Sample Wt/Vol:	5.59 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
VY020245.D	1		11/11/24 14:02	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.58	U	0.58	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	0.63	U	0.63	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	1.80	J	0.60	4.90	ug/Kg
179601-23-1	m/p-Xylenes	8.10	J	1.30	9.70	ug/Kg
95-47-6	o-Xylene	2.60	J	0.68	4.90	ug/Kg
100-42-5	Styrene	0.58	U	0.58	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	0.57	U	0.57	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	60.2		50 - 163	120%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		54 - 147	106%	SPK: 50
2037-26-5	Toluene-d8	49.7		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		29 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	183000	7.713			
540-36-3	1,4-Difluorobenzene	391000	8.616			
3114-55-4	Chlorobenzene-d5	365000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.347			

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.8
Sample Wt/Vol:	5.59 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
VY020245.D	1		11/11/24 14:02	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020245.D
 Acq On : 11 Nov 2024 14:02
 Operator : SY/MD
 Sample : P4768-03
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-3-3

Quant Time: Nov 11 23:15:31 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)

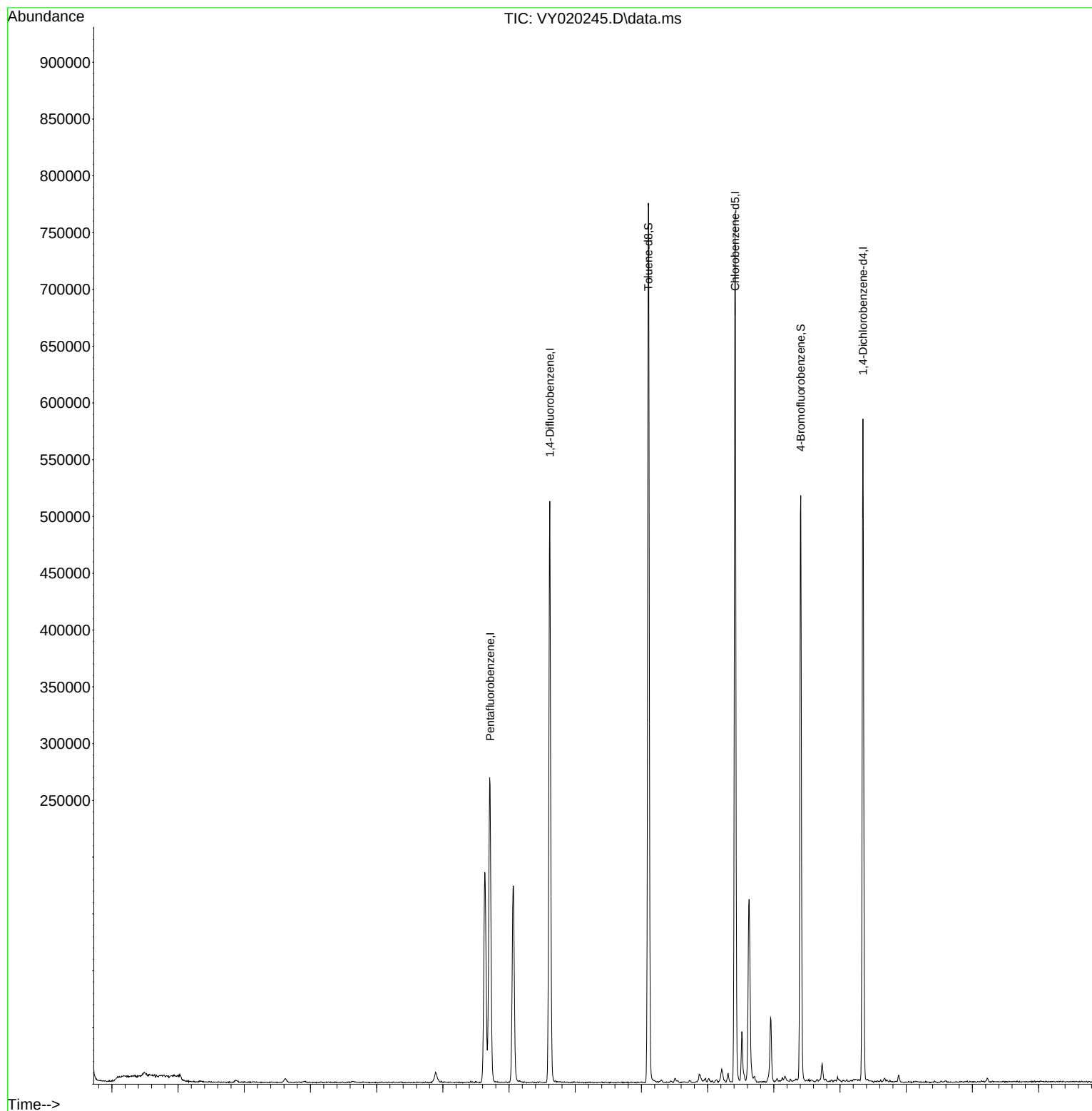
Internal Standards						
1) Pentafluorobenzene	7.713	168	182592	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	390717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	364887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	129893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137074	60.150	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.300%
35) Dibromofluoromethane	7.634	113	131426	52.906	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.820%
50) Toluene-d8	10.103	98	491574	49.713	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.420%
62) 4-Bromofluorobenzene	12.408	95	155673	48.469	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	96.940%
Target Compounds						
						Qvalue
67) Ethyl Benzene	11.518	91	26823	1.846	ug/l	93
68) m/p-Xylenes	11.621	106	44242	8.320	ug/l	92
69) o-Xylene	11.957	106	13266	2.635	ug/l	84

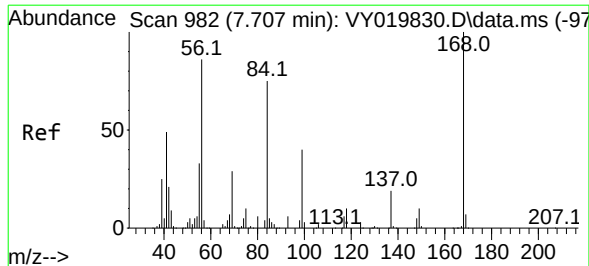
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020245.D
Acq On : 11 Nov 2024 14:02
Operator : SY/MD
Sample : P4768-03
Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

Quant Time: Nov 11 23:15:31 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

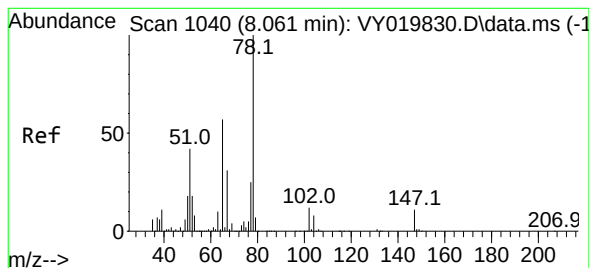
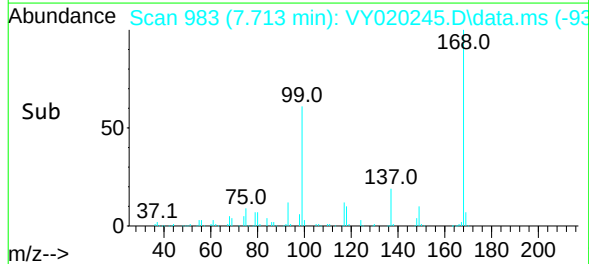
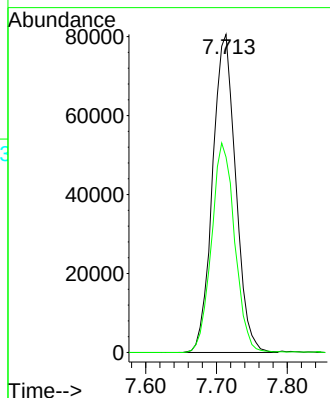
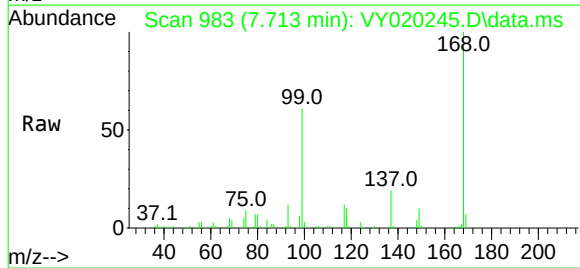




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

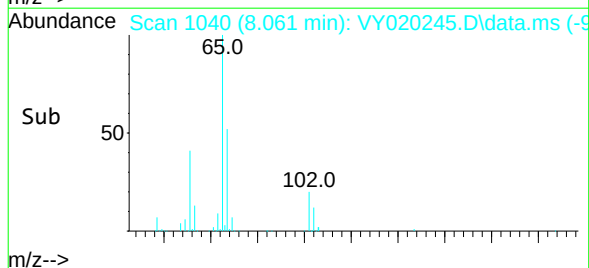
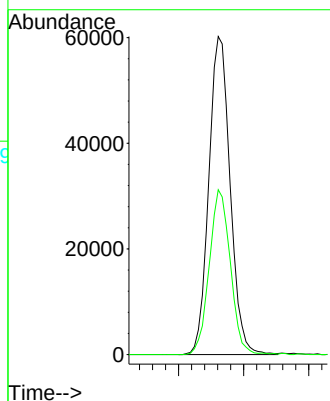
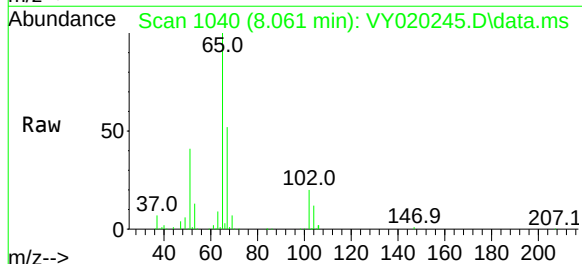
Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

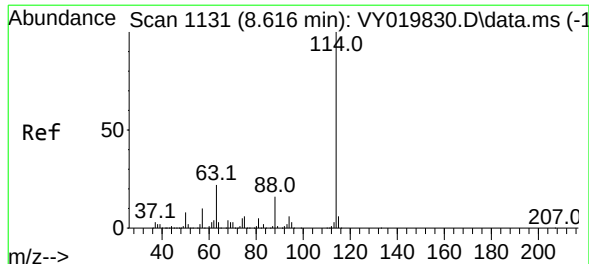
Tgt Ion: 168 Resp: 182592
Ion Ratio Lower Upper
168 100
99 61.4 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 60.150 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

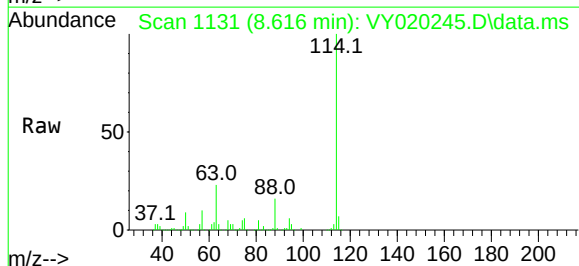
Tgt Ion: 65 Resp: 137074
Ion Ratio Lower Upper
65 100
67 51.2 0.0 109.6



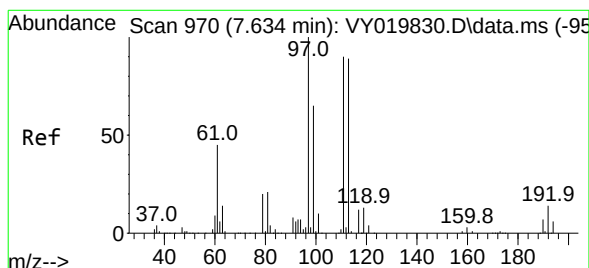
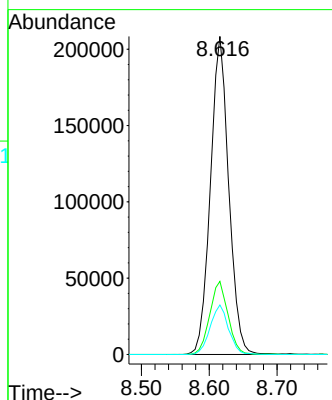
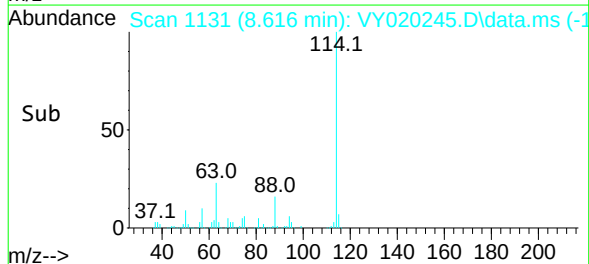


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

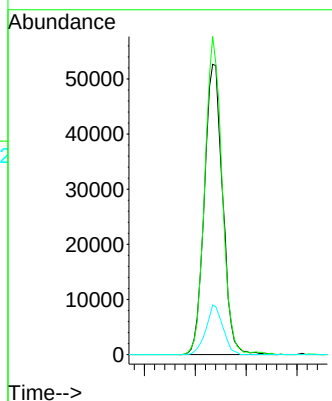
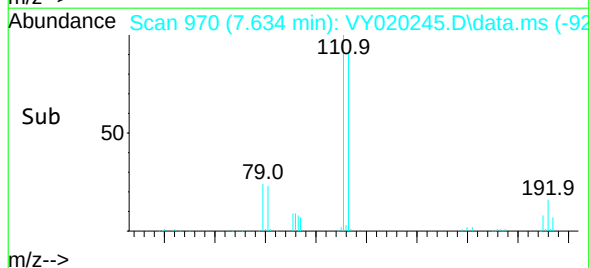
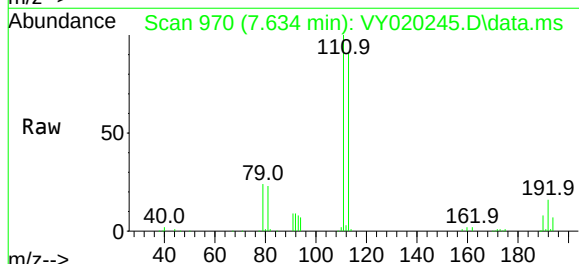


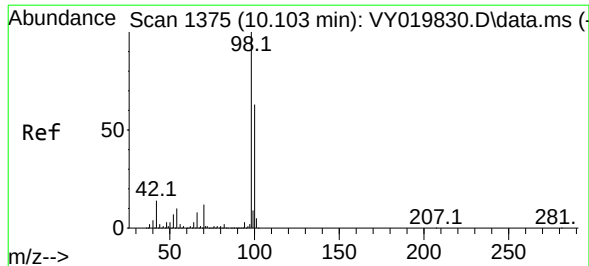
Tgt Ion:114 Resp: 390717
Ion Ratio Lower Upper
114 100
63 23.0 0.0 35.0
88 15.6 0.0 27.2



#35
Dibromofluoromethane
Concen: 52.906 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

Tgt Ion:113 Resp: 131426
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 15.9 15.9 23.9#





#50

Toluene-d8

Concen: 49.713 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY020245.D

Acq: 11 Nov 2024 14:02

Instrument :

MSVOA_Y

ClientSampleId :

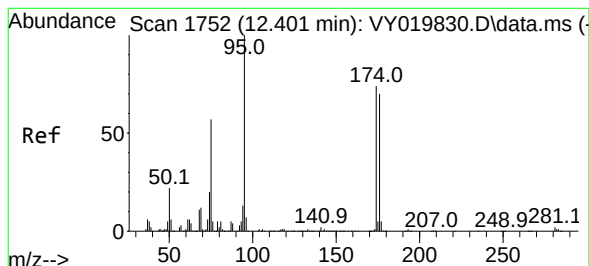
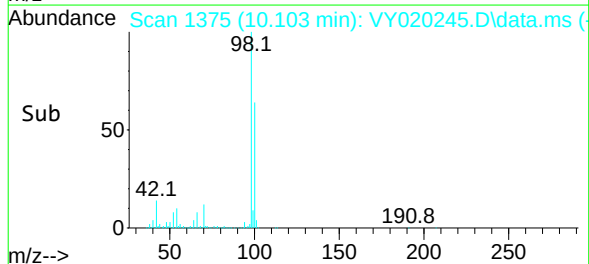
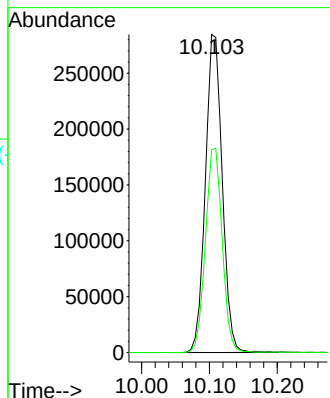
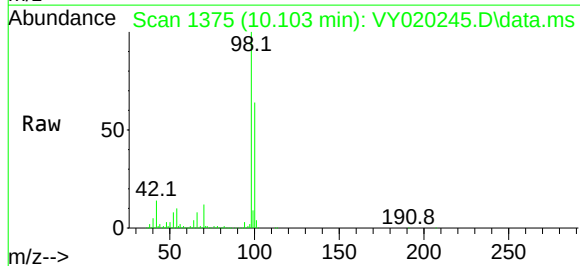
B-3-3

Tgt Ion: 98 Resp: 491574

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 48.469 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020245.D

Acq: 11 Nov 2024 14:02

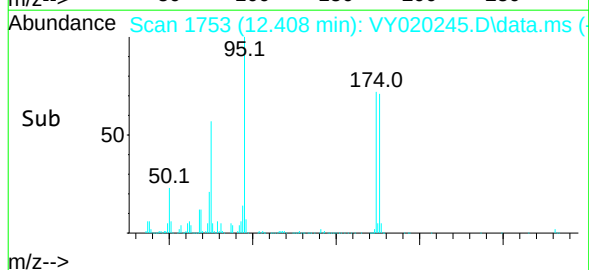
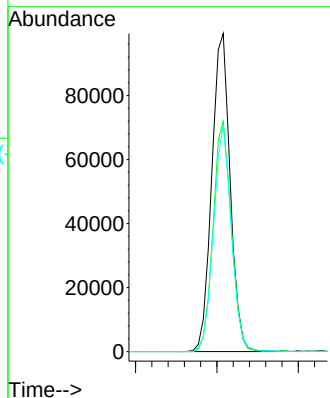
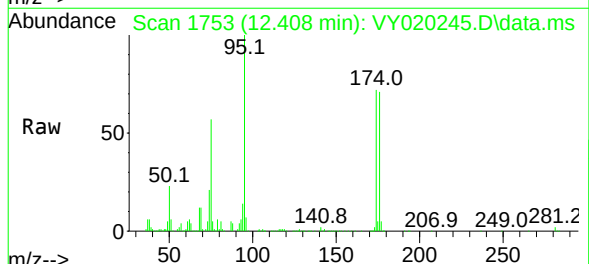
Tgt Ion: 95 Resp: 155673

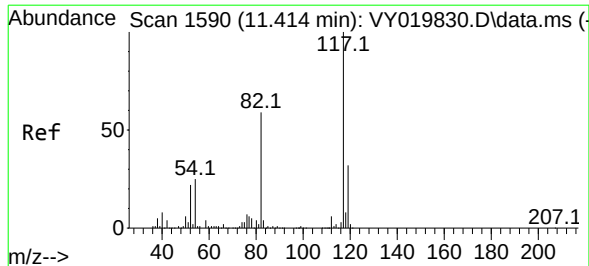
Ion Ratio Lower Upper

95 100

174 71.9 0.0 175.6

176 69.3 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: VY020245.D

Acq: 11 Nov 2024 14:02

Instrument :

MSVOA_Y

ClientSampleId :

B-3-3

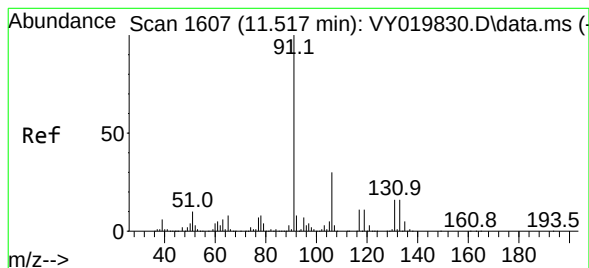
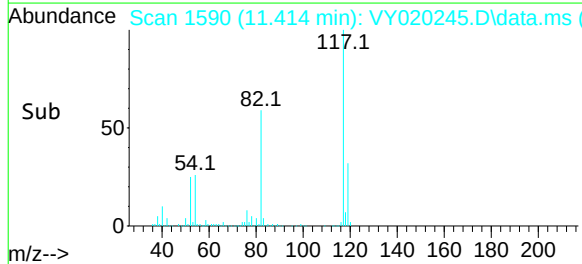
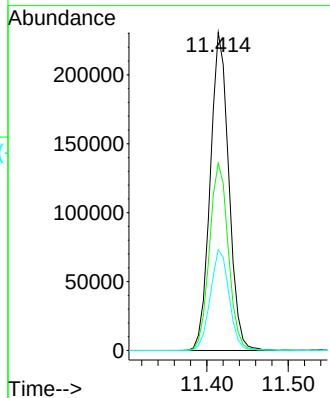
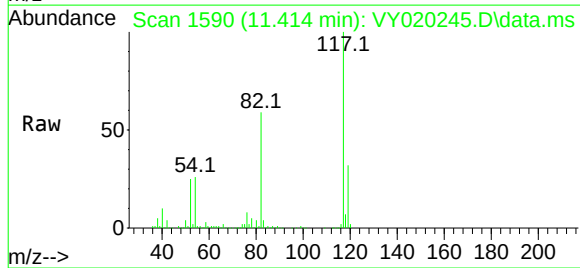
Tgt Ion:117 Resp: 364887

Ion Ratio Lower Upper

117 100

82 58.9 42.4 63.6

119 31.7 25.9 38.9



#67

Ethyl Benzene

Concen: 1.846 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020245.D

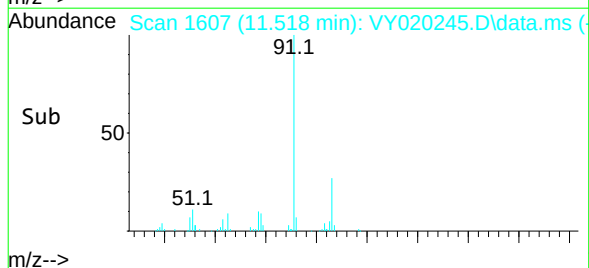
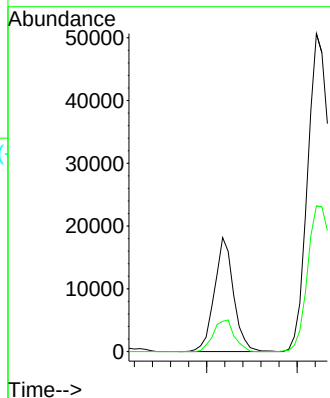
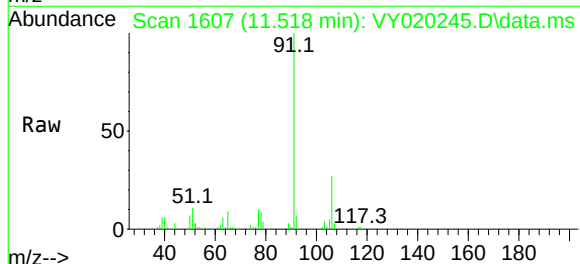
Acq: 11 Nov 2024 14:02

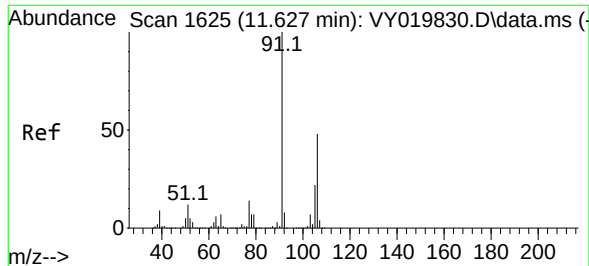
Tgt Ion: 91 Resp: 26823

Ion Ratio Lower Upper

91 100

106 26.5 24.5 36.7





#68

m/p-Xylenes

Concen: 8.320 ug/l

RT: 11.621 min Scan# 16

Delta R.T. -0.012 min

Lab File: VY020245.D

Acq: 11 Nov 2024 14:02

Instrument :

MSVOA_Y

ClientSampleId :

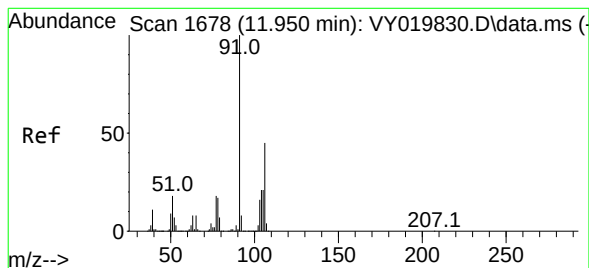
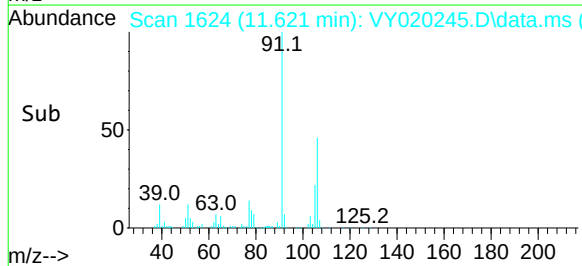
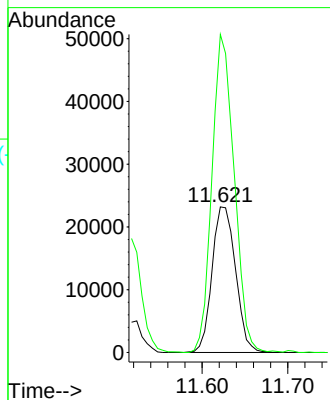
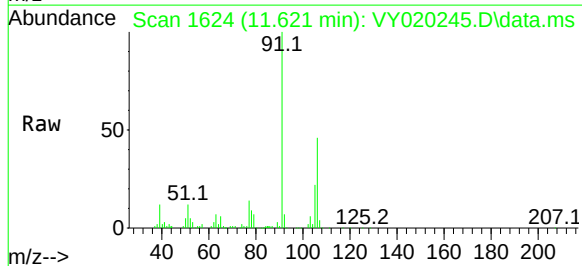
B-3-3

Tgt Ion:106 Resp: 44242

Ion Ratio Lower Upper

106 100

91 206.7 156.0 234.0



#69

o-Xylene

Concen: 2.635 ug/l

RT: 11.957 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY020245.D

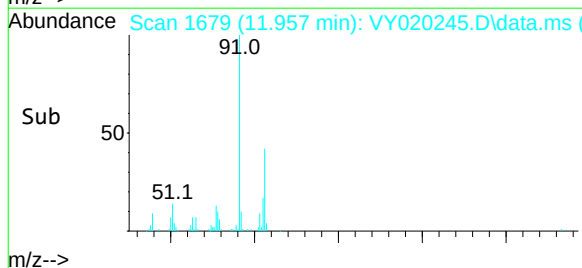
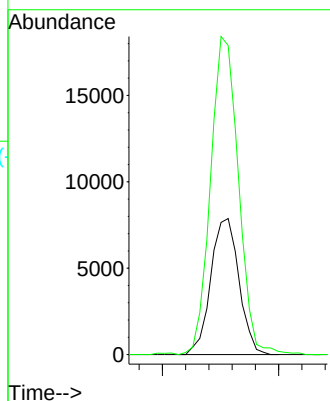
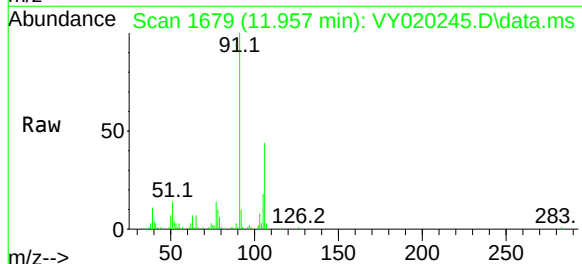
Acq: 11 Nov 2024 14:02

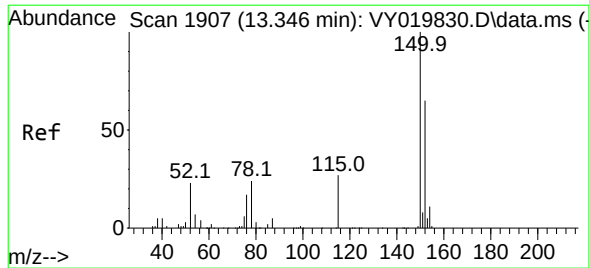
Tgt Ion:106 Resp: 13266

Ion Ratio Lower Upper

106 100

91 231.8 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 19

Delta R.T. 0.000 min

Lab File: VY020245.D

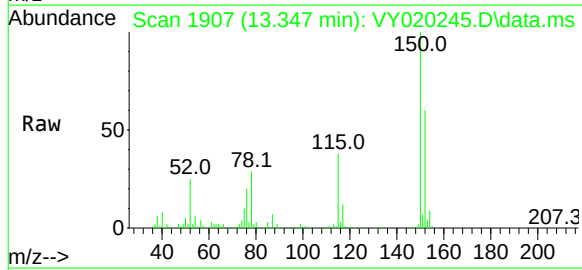
Acq: 11 Nov 2024 14:02

Instrument :

MSVOA_Y

ClientSampleId :

B-3-3



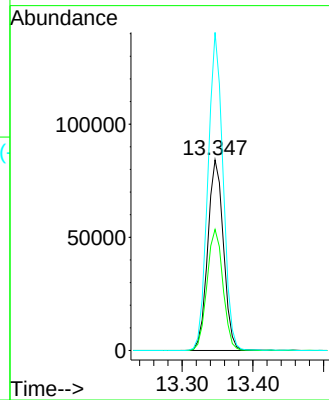
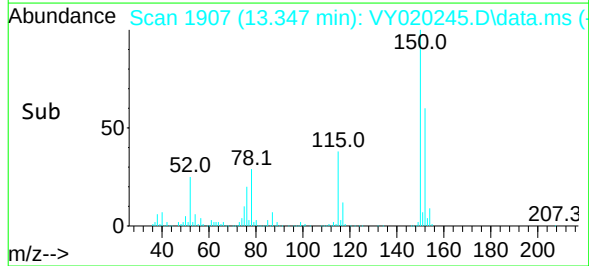
Tgt Ion:152 Resp: 129893

Ion Ratio Lower Upper

152 100

115 64.4 28.2 84.7

150 160.6 0.0 345.6



Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.5 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
VY020370.D	1		11/20/24 19:22	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.80	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	5.80	ug/Kg
75-01-4	Vinyl Chloride	0.90	U	0.90	5.80	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.80	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	5.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	5.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	5.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	5.80	ug/Kg
67-64-1	Acetone	7.30	U	7.30	29.2	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	5.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.78	U	0.78	5.80	ug/Kg
79-20-9	Methyl Acetate	2.10	U	2.10	5.80	ug/Kg
75-09-2	Methylene Chloride	4.00	U	4.00	11.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.98	U	0.98	5.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.74	U	0.74	5.80	ug/Kg
110-82-7	Cyclohexane	0.81	U	0.81	5.80	ug/Kg
78-93-3	2-Butanone	6.60	U	6.60	29.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.71	U	0.71	5.80	ug/Kg
74-97-5	Bromochloromethane	2.80	U	2.80	5.80	ug/Kg
67-66-3	Chloroform	0.78	U	0.78	5.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.91	U	0.91	5.80	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.80	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.71	U	0.71	5.80	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	5.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.77	U	0.77	5.80	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	5.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.10	U	5.10	29.2	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.80	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.5 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
VY020370.D	1		11/20/24 19:22	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.70	U	0.70	5.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.98	U	0.98	5.80	ug/Kg
591-78-6	2-Hexanone	5.60	U	5.60	29.2	ug/Kg
124-48-1	Dibromochloromethane	0.76	U	0.76	5.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.92	U	0.92	5.80	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.80	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	5.80	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	5.80	ug/Kg
179601-23-1	m/p-Xylenes	1.60	U	1.60	11.7	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.80	ug/Kg
100-42-5	Styrene	0.70	U	0.70	5.80	ug/Kg
75-25-2	Bromoform	0.95	U	0.95	5.80	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.86	U	0.86	5.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.93	U	0.93	5.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.69	U	0.69	5.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.92	U	0.92	5.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.91	U	0.91	5.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.0		50 - 163	108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		54 - 147	100%	SPK: 50
2037-26-5	Toluene-d8	48.9		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		29 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	142000	7.707			
540-36-3	1,4-Difluorobenzene	269000	8.615			
3114-55-4	Chlorobenzene-d5	254000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	98400	13.346			

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.5	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
VY020370.D	1		11/20/24 19:22	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020370.D
Acq On : 20 Nov 2024 19:22
Operator : SY/MD
Sample : P4768-04
Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Quant Time: Nov 21 05:05:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	142436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	269453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	254267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	98434	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	88311	53.966	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.940%
35) Dibromofluoromethane	7.634	113	86072	49.816	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.640%
50) Toluene-d8	10.109	98	332979	48.923	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.840%
62) 4-Bromofluorobenzene	12.407	95	110952	50.710	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	101.420%

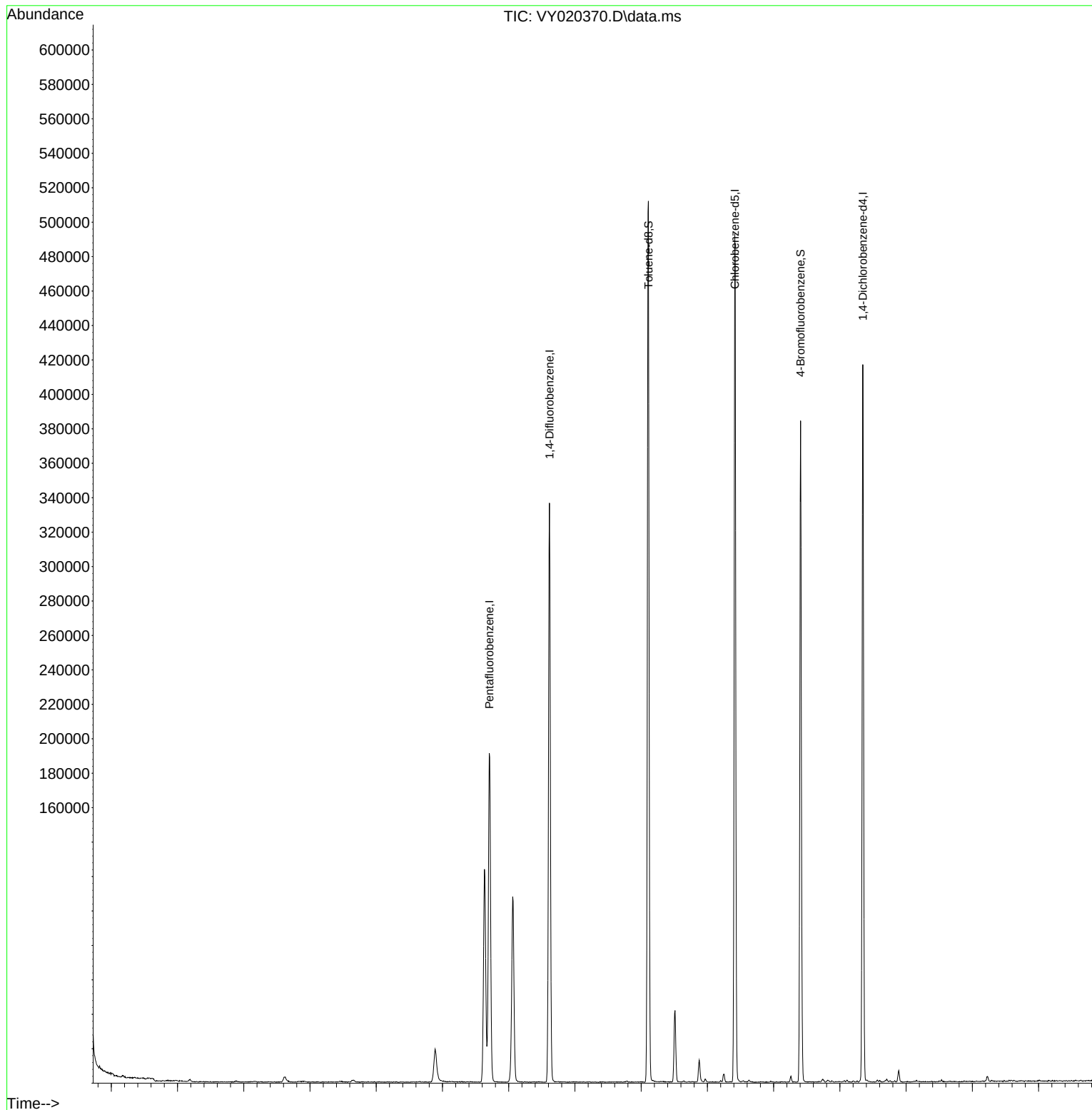
Target Compounds	Qvalue

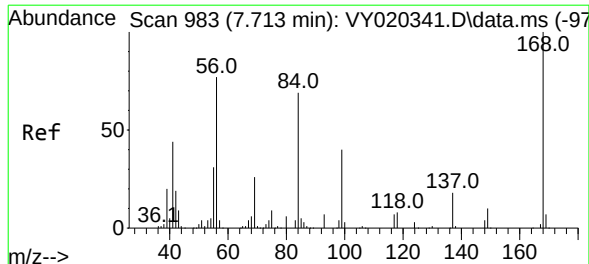
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020370.D
Acq On : 20 Nov 2024 19:22
Operator : SY/MD
Sample : P4768-04
Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-4

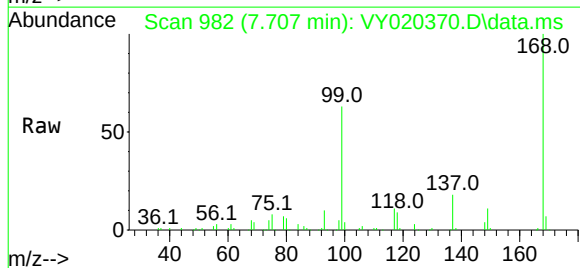
Quant Time: Nov 21 05:05:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



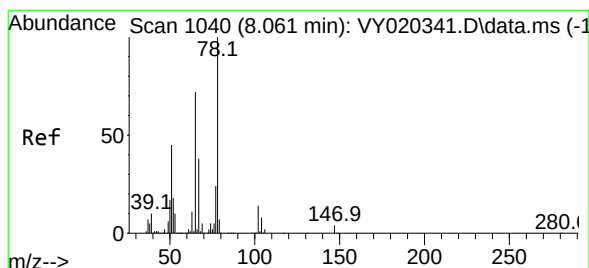
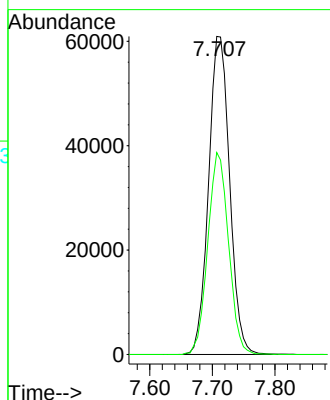
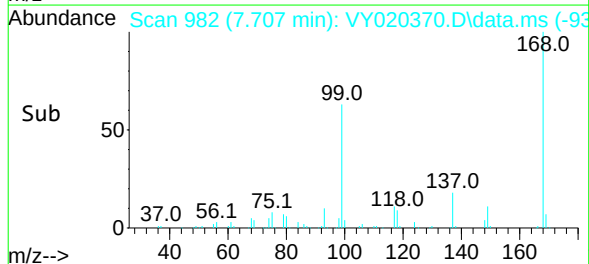


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020370.D
Acq: 20 Nov 2024 19:22

Instrument :
MSVOA_Y
ClientSampleId :
B-4

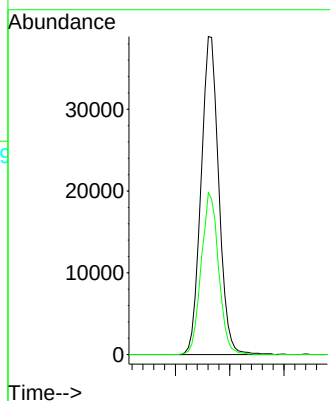
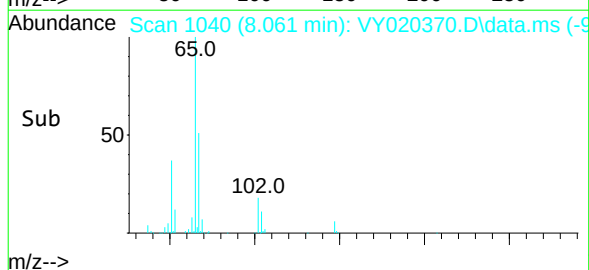
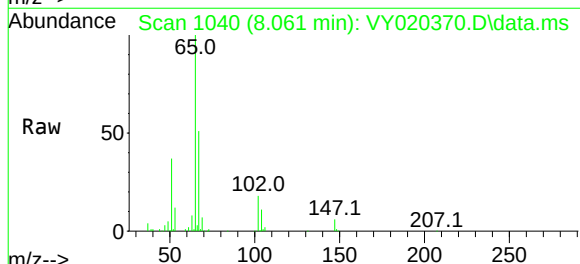


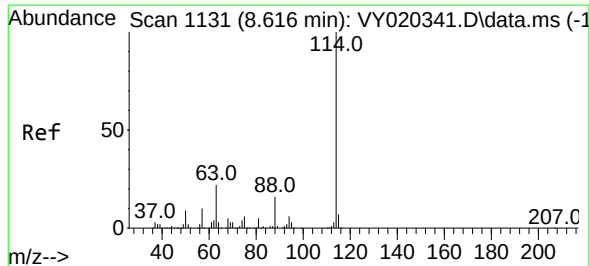
Tgt Ion:168 Resp: 142436
Ion Ratio Lower Upper
168 100
99 63.5 46.6 69.8



#33
1,2-Dichloroethane-d4
Concen: 53.966 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020370.D
Acq: 20 Nov 2024 19:22

Tgt Ion: 65 Resp: 88311
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.8

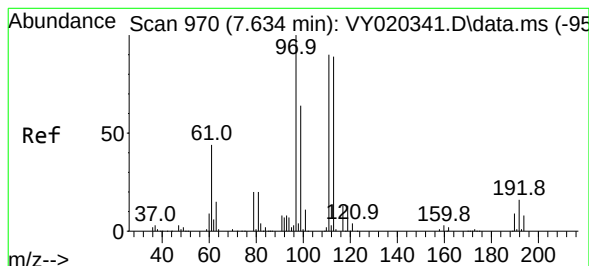
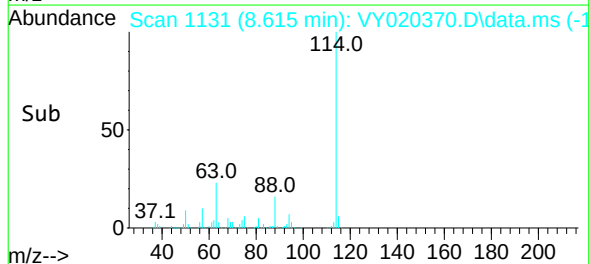
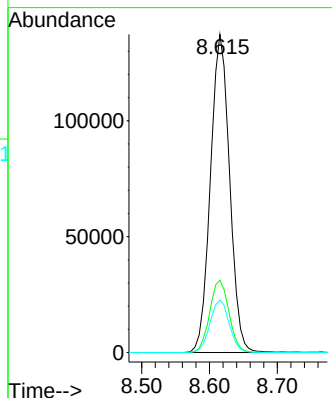
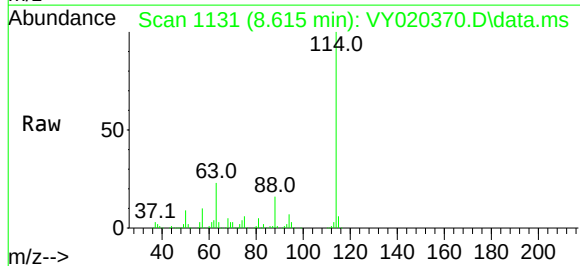




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020370.D
Acq: 20 Nov 2024 19:22

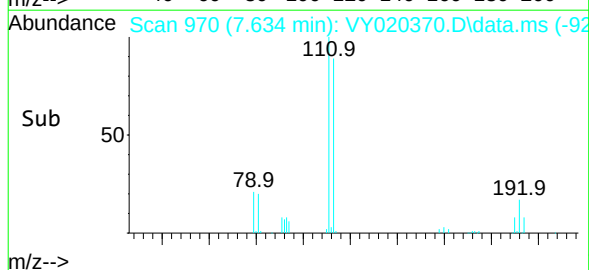
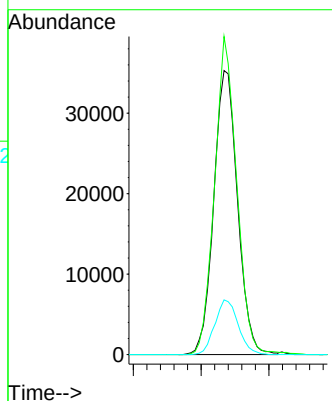
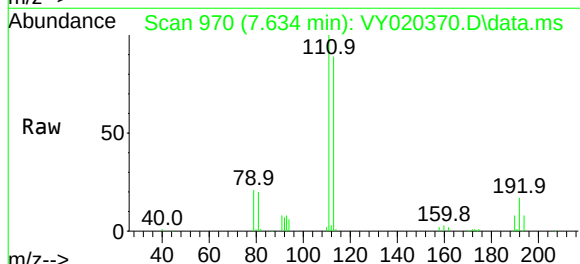
Instrument :
MSVOA_Y
ClientSampleId :
B-4

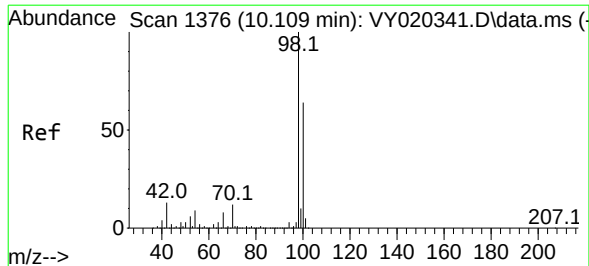
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.8
88	16.5	0.0	32.0



#35
Dibromofluoromethane
Concen: 49.816 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020370.D
Acq: 20 Nov 2024 19:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.4	122.0
192	18.9	15.1	22.7





#50

Toluene-d8

Concen: 48.923 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY020370.D

Acq: 20 Nov 2024 19:22

Instrument :

MSVOA_Y

ClientSampleId :

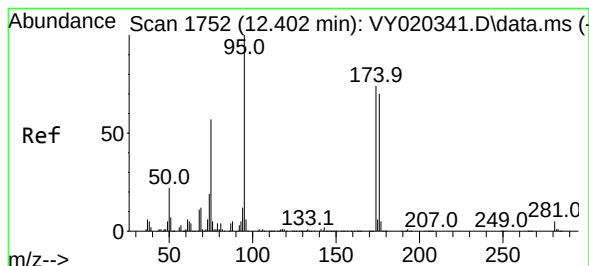
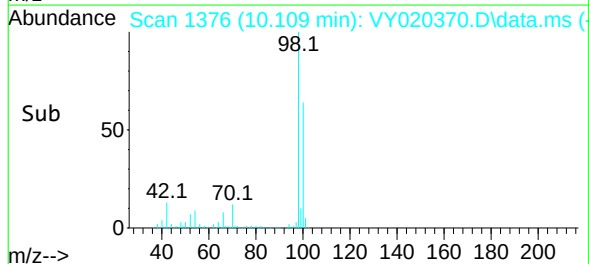
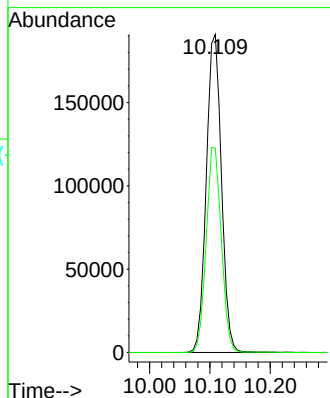
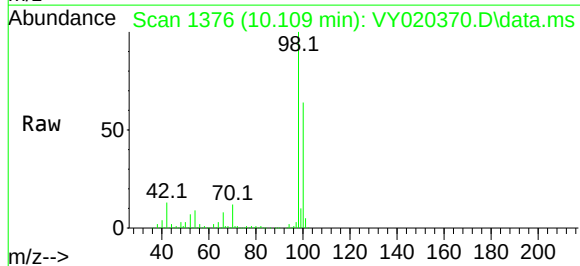
B-4

Tgt Ion: 98 Resp: 332979

Ion Ratio Lower Upper

98 100

100 64.4 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 50.710 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY020370.D

Acq: 20 Nov 2024 19:22

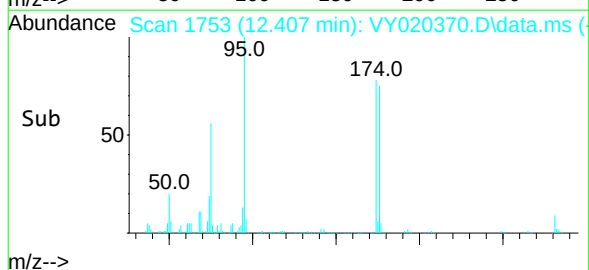
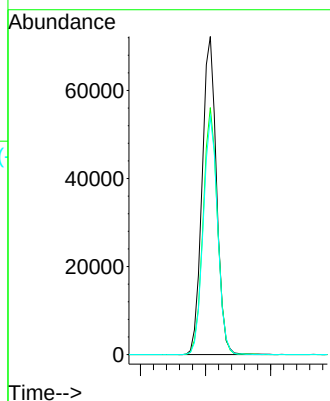
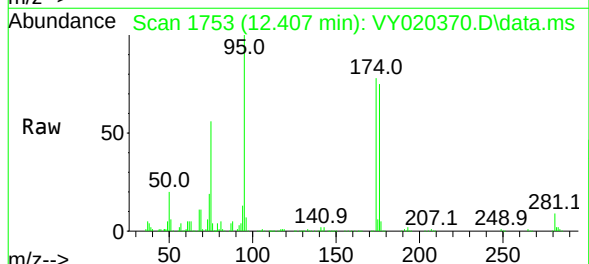
Tgt Ion: 95 Resp: 110952

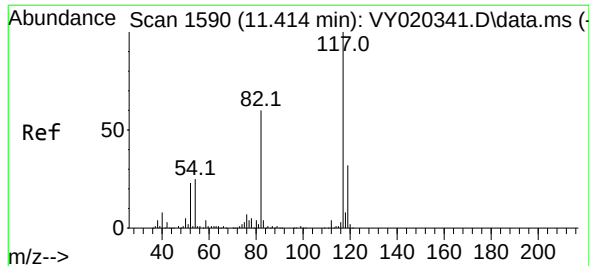
Ion Ratio Lower Upper

95 100

174 77.3 0.0 156.8

176 74.8 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY020370.D

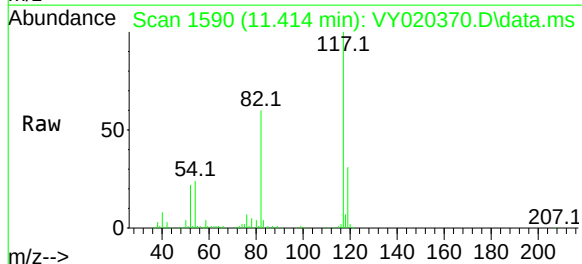
Acq: 20 Nov 2024 19:22

Instrument :

MSVOA_Y

ClientSampleId :

B-4



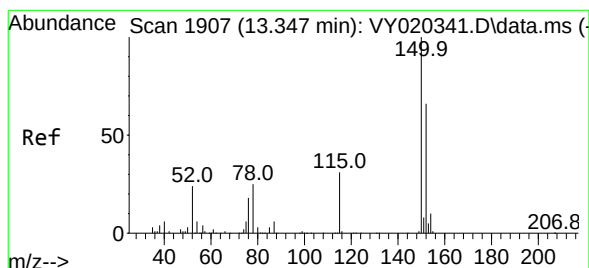
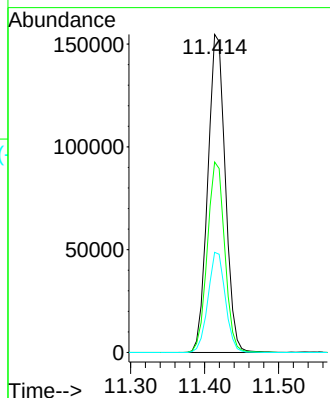
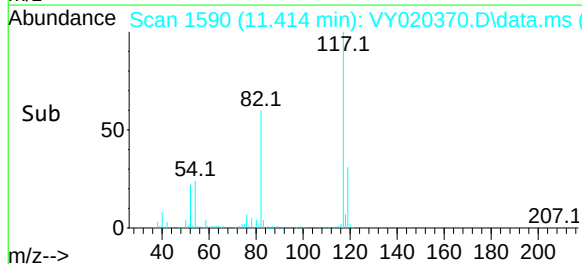
Tgt Ion:117 Resp: 254267

Ion Ratio Lower Upper

117 100

82 59.9 48.2 72.4

119 31.5 25.8 38.8



#72

1,4-Dichlorobenzene-d4

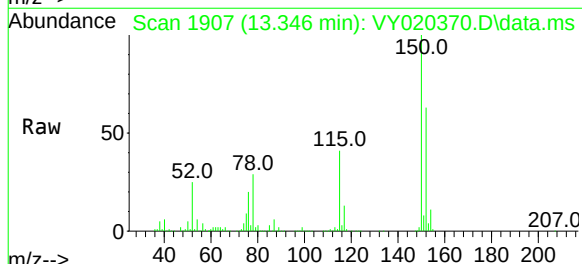
Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY020370.D

Acq: 20 Nov 2024 19:22



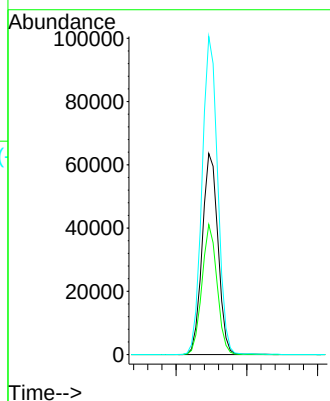
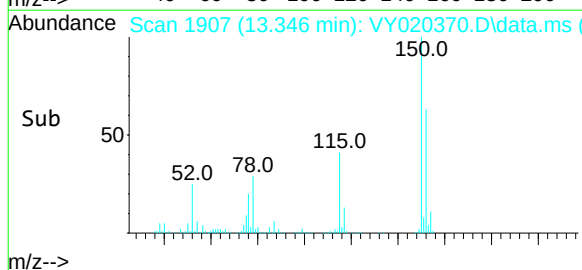
Tgt Ion:152 Resp: 98434

Ion Ratio Lower Upper

152 100

115 61.9 30.0 90.0

150 156.9 0.0 348.2



Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	4.12 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
VY020247.D	1		11/11/24 14:49	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.20	U	2.20	6.70	ug/Kg
74-87-3	Chloromethane	1.60	U	1.60	6.70	ug/Kg
75-01-4	Vinyl Chloride	1.00	U	1.00	6.70	ug/Kg
74-83-9	Bromomethane	1.40	U	1.40	6.70	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	6.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	6.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	U	1.40	6.70	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	6.70	ug/Kg
67-64-1	Acetone	16.7	J	8.40	33.7	ug/Kg
75-15-0	Carbon Disulfide	1.70	U	1.70	6.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.90	U	0.90	6.70	ug/Kg
79-20-9	Methyl Acetate	2.40	U	2.40	6.70	ug/Kg
75-09-2	Methylene Chloride	4.60	U	4.60	13.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	6.70	ug/Kg
110-82-7	Cyclohexane	0.93	U	0.93	6.70	ug/Kg
78-93-3	2-Butanone	7.70	U	7.70	33.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.82	U	0.82	6.70	ug/Kg
74-97-5	Bromochloromethane	3.30	U	3.30	6.70	ug/Kg
67-66-3	Chloroform	0.90	U	0.90	6.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	6.70	ug/Kg
108-87-2	Methylcyclohexane	1.20	U	1.20	6.70	ug/Kg
71-43-2	Benzene	0.97	U	0.97	6.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.82	U	0.82	6.70	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.89	U	0.89	6.70	ug/Kg
75-27-4	Bromodichloromethane	0.76	U	0.76	6.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.90	U	5.90	33.7	ug/Kg
108-88-3	Toluene	0.90	U	0.90	6.70	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	4.12	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
VY020247.D	1		11/11/24 14:49	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.81	U	0.81	6.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.77	U	0.77	6.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.70	ug/Kg
591-78-6	2-Hexanone	6.50	U	6.50	33.7	ug/Kg
124-48-1	Dibromochloromethane	0.88	U	0.88	6.70	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.70	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	6.70	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	6.70	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	6.70	ug/Kg
179601-23-1	m/p-Xylenes	1.80	U	1.80	13.5	ug/Kg
95-47-6	o-Xylene	0.94	U	0.94	6.70	ug/Kg
100-42-5	Styrene	0.81	U	0.81	6.70	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.70	ug/Kg
98-82-8	Isopropylbenzene	0.90	U	0.90	6.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.00	U	1.00	6.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	6.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.80	U	0.80	6.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	2.10	6.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	6.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	6.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	61.5	50 - 163	123%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7	54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	51.2	58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.6	29 - 146	115%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	174000	7.713
540-36-3	1,4-Difluorobenzene	369000	8.616
3114-55-4	Chlorobenzene-d5	365000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.347

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	4.12 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
VY020247.D	1		11/11/24 14:49	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	76.1	J		11.0	ug/Kg
006750-34-1	1-Dodecanol, 3,7,11-trimethyl-	59.3	J		12.1	ug/Kg
	unknown12.231	49.0	J		12.2	ug/Kg
004057-42-5	2-Octene, 2,6-dimethyl-	120	J		12.6	ug/Kg
	unknown12.652	64.3	J		12.7	ug/Kg
006783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	54.5	J		12.7	ug/Kg
	unknown12.871	39.5	J		12.9	ug/Kg
135-98-8	sec-Butylbenzene	4.30	J		13.2	ug/Kg
054299-96-6	Cyclooctene, 1,2-dimethyl-	59.3	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	58.3	J		14.2	ug/Kg
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	45.2	J		15.0	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\VY111124\
 Data File : VY020247.D
 Acq On : 11 Nov 2024 14:49
 Operator : SY/MD
 Sample : P4768-05
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-5

Quant Time: Nov 11 23:16:23 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)

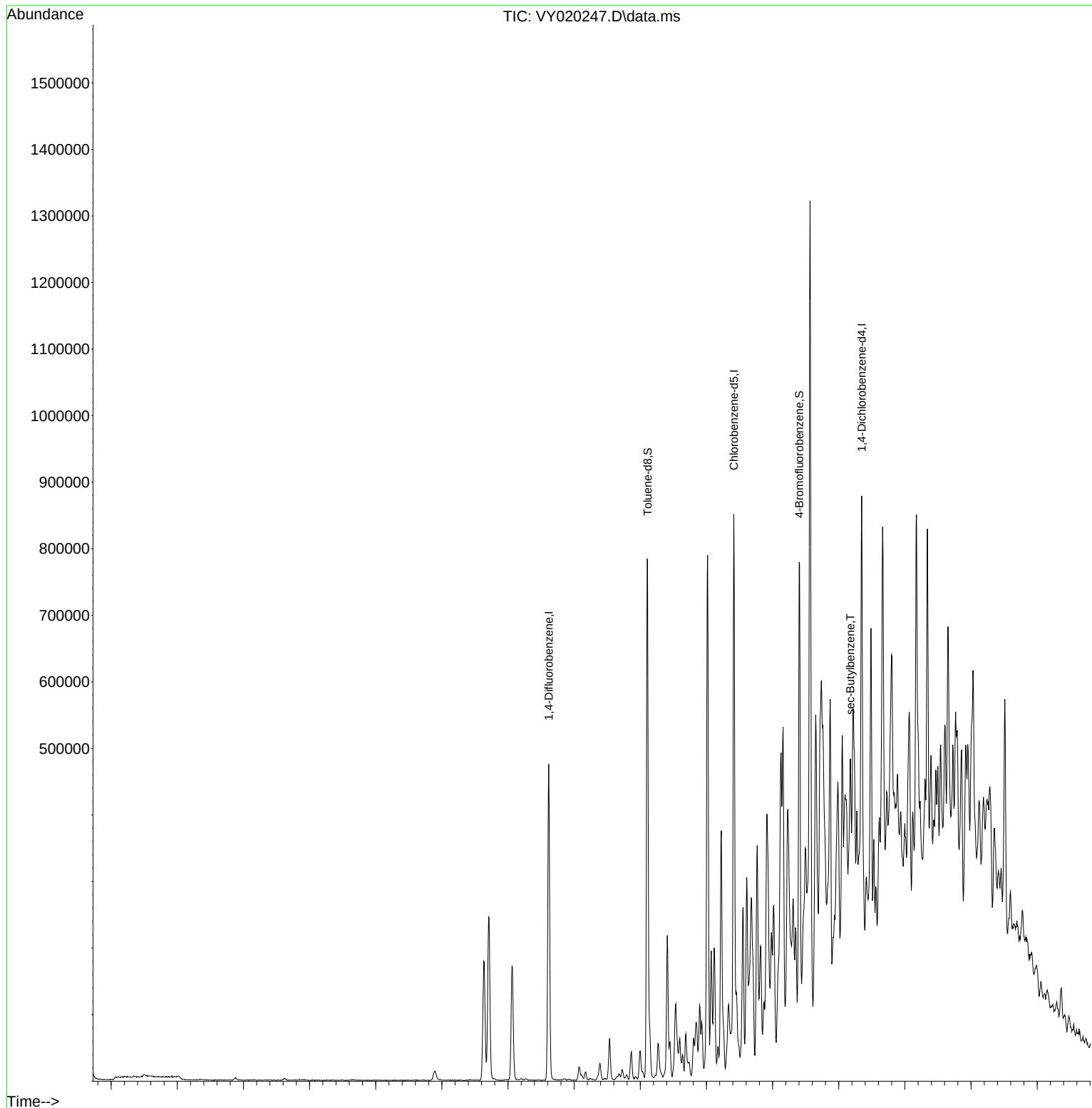
Internal Standards						
1) Pentafluorobenzene	7.713	168	173593	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	369047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	365456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	144633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133284	61.519	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.040%
35) Dibromofluoromethane	7.640	113	123592	52.673	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.340%
50) Toluene-d8	10.109	98	478257	51.207	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.420%
62) 4-Bromofluorobenzene	12.402	95	174801	57.621	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	115.240%
Target Compounds						
16) Acetone	3.885	43	6222	12.349	ug/l	# 74
85) sec-Butylbenzene	13.176	105	39551	3.176	ug/l	85

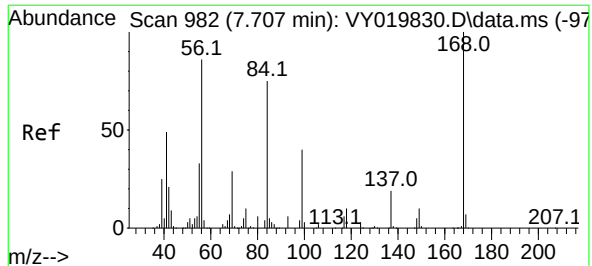
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

Quant Time: Nov 11 23:16:23 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

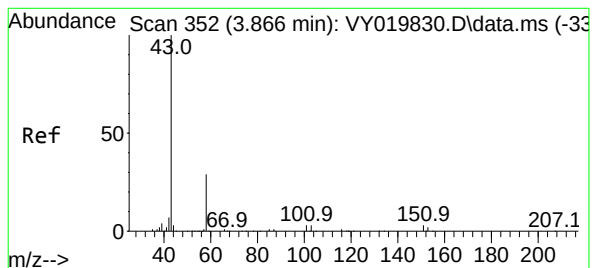
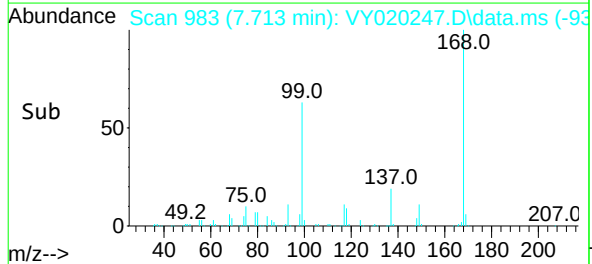
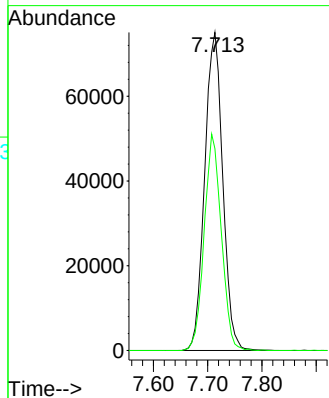
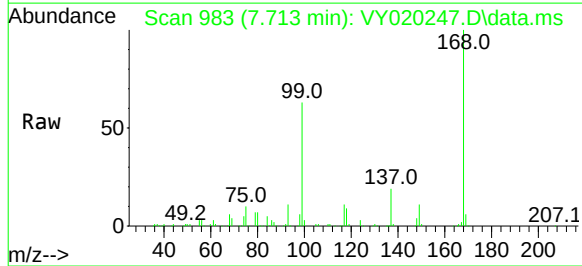




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

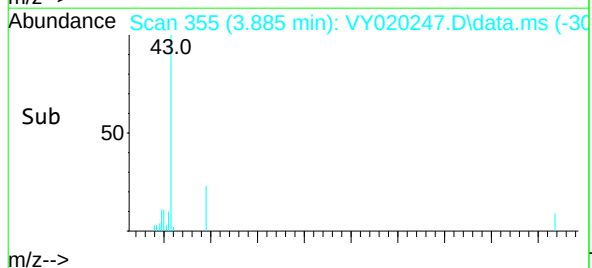
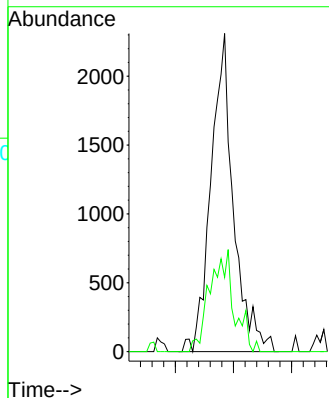
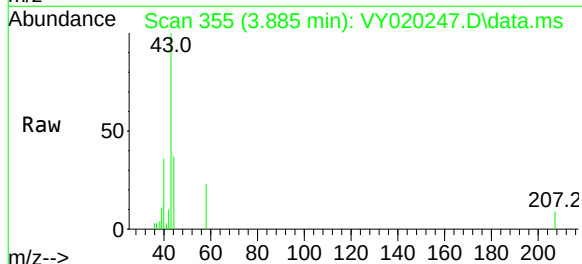
Instrument :
MSVOA_Y
ClientSampleId :
B-5

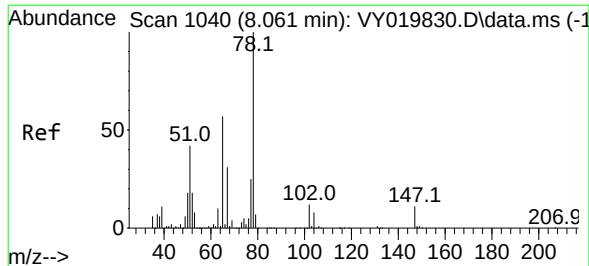
Tgt Ion:168 Resp: 173593
Ion Ratio Lower Upper
168 100
99 63.4 39.1 58.7#



#16
Acetone
Concen: 12.349 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.013 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Tgt Ion: 43 Resp: 6222
Ion Ratio Lower Upper
43 100
58 23.4 31.7 47.5#

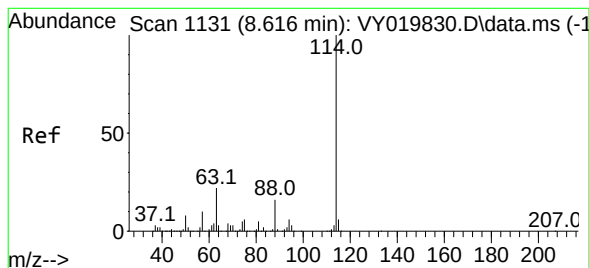
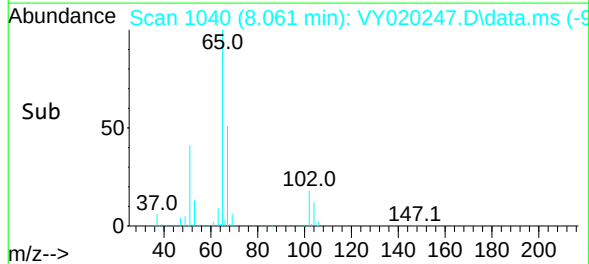
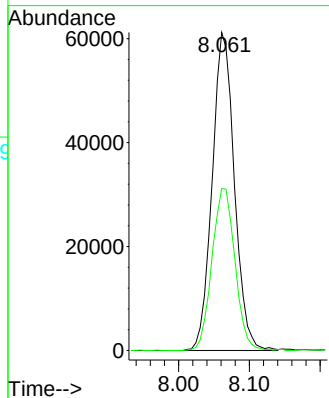
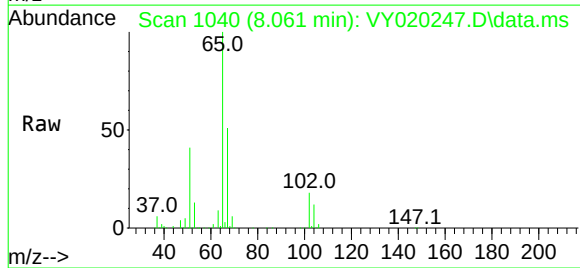




#33
1,2-Dichloroethane-d4
Concen: 61.519 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

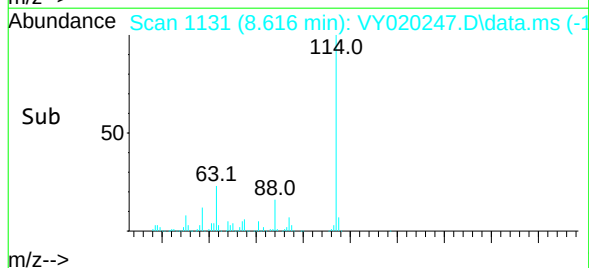
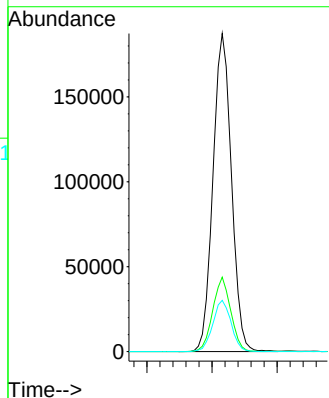
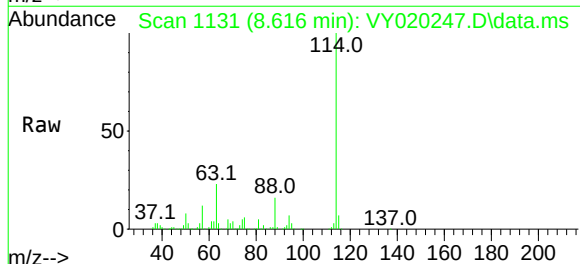
Instrument :
MSVOA_Y
ClientSampleId :
B-5

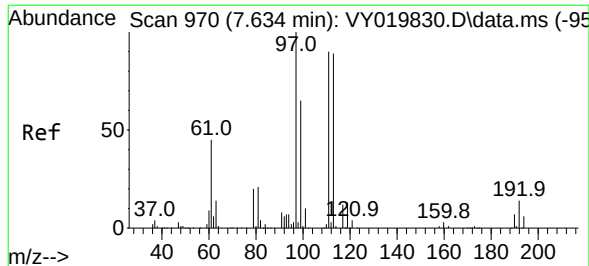
Tgt Ion: 65 Resp: 133284
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Tgt Ion: 114 Resp: 369047
Ion Ratio Lower Upper
114 100
63 23.4 0.0 35.0
88 16.1 0.0 27.2





#35

Dibromofluoromethane

Concen: 52.673 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY020247.D

Acq: 11 Nov 2024 14:49

Instrument :

MSVOA_Y

ClientSampleId :

B-5

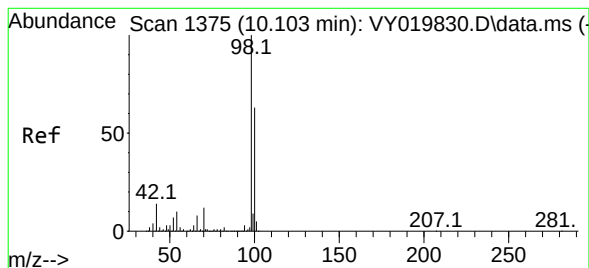
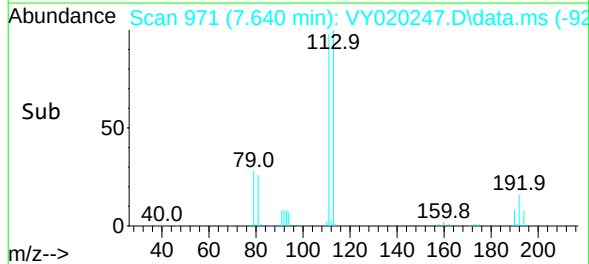
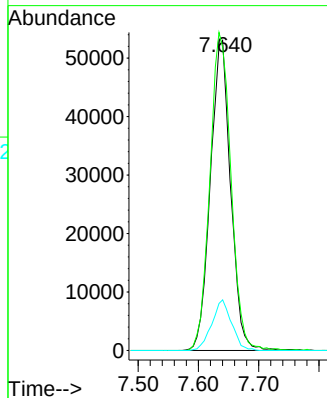
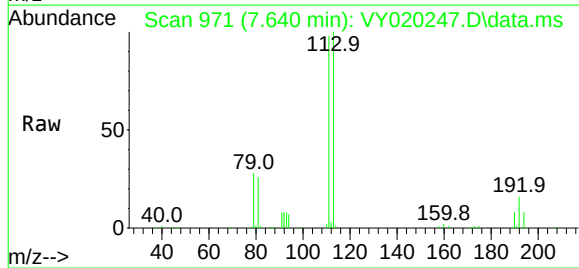
Tgt Ion:113 Resp: 123592

Ion Ratio Lower Upper

113 100

111 107.0 82.2 123.4

192 16.0 15.9 23.9



#50

Toluene-d8

Concen: 51.207 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY020247.D

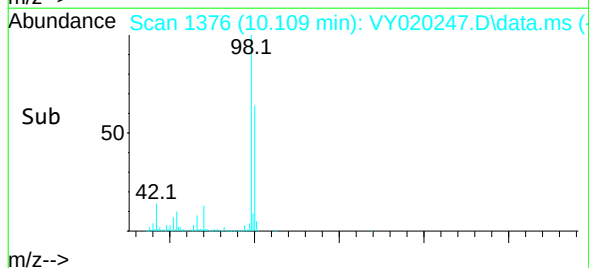
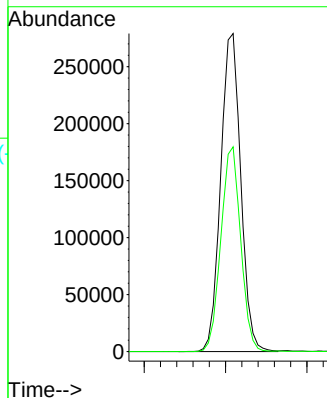
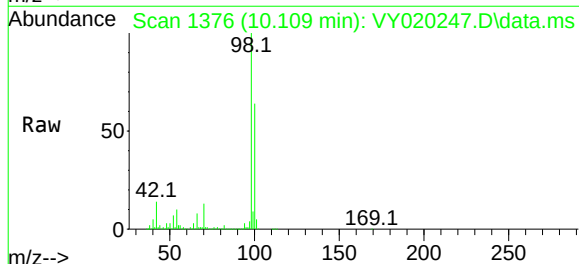
Acq: 11 Nov 2024 14:49

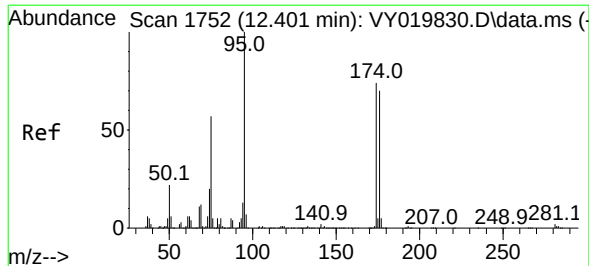
Tgt Ion: 98 Resp: 478257

Ion Ratio Lower Upper

98 100

100 63.6 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 57.621 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY020247.D

Acq: 11 Nov 2024 14:49

Instrument :

MSVOA_Y

ClientSampleId :

B-5

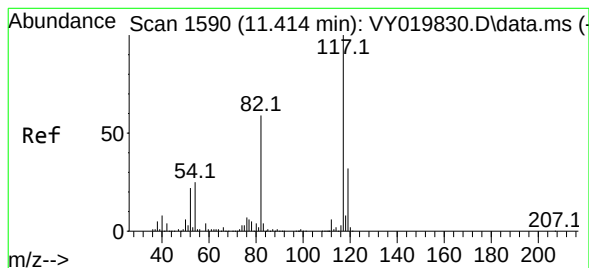
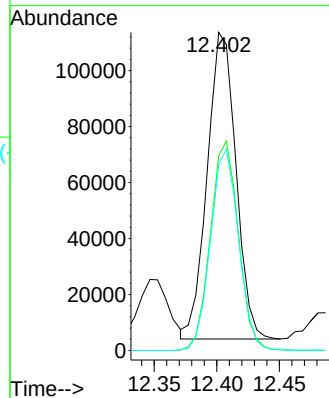
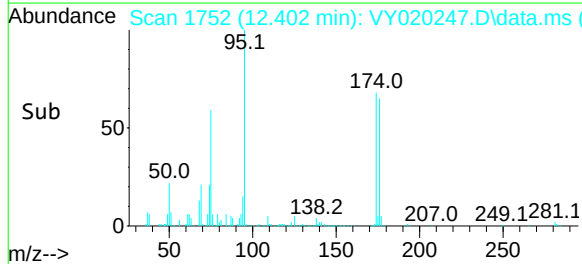
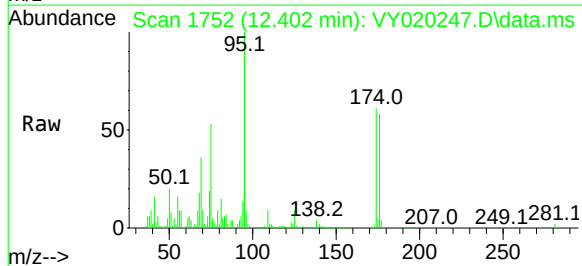
Tgt Ion: 95 Resp: 174801

Ion Ratio Lower Upper

95 100

174 66.7 0.0 175.6

176 64.1 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: VY020247.D

Acq: 11 Nov 2024 14:49

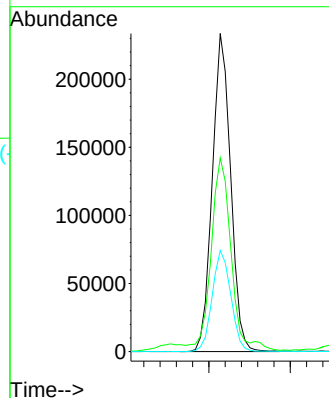
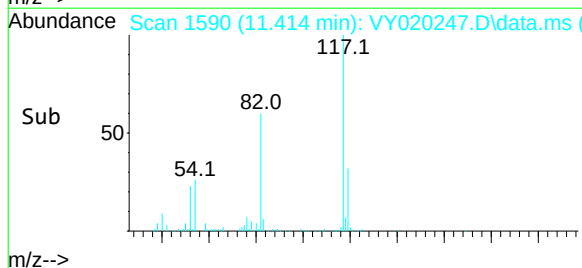
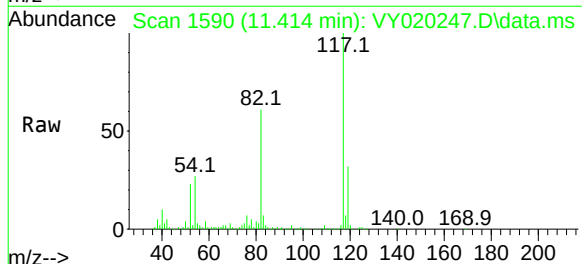
Tgt Ion: 117 Resp: 365456

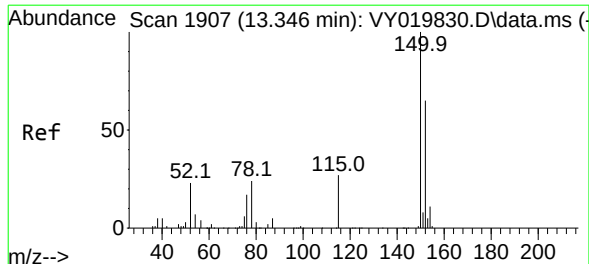
Ion Ratio Lower Upper

117 100

82 60.5 42.4 63.6

119 31.8 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: VY020247.D

Acq: 11 Nov 2024 14:49

Instrument :

MSVOA_Y

ClientSampleId :

B-5

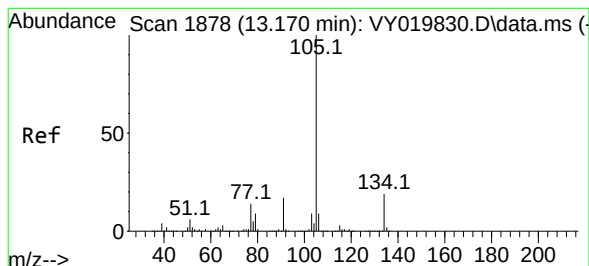
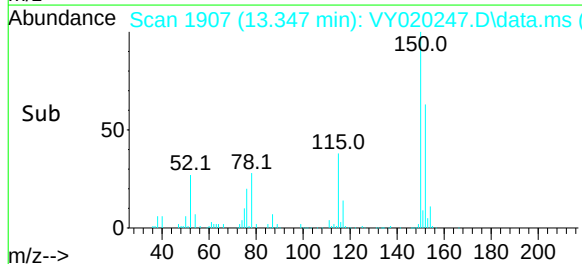
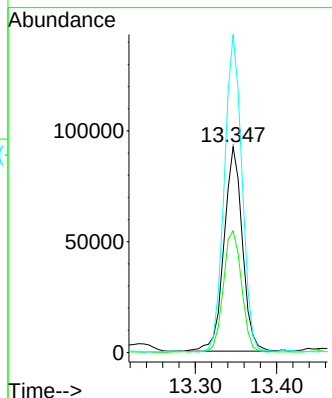
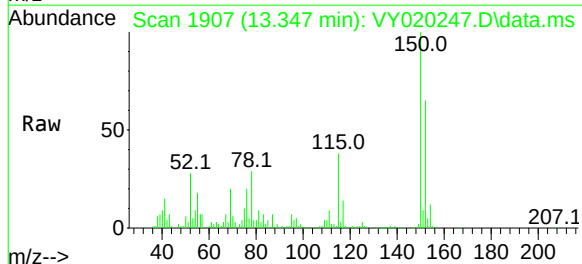
Tgt Ion:152 Resp: 144633

Ion Ratio Lower Upper

152 100

115 58.8 28.2 84.7

150 149.1 0.0 345.6



#85

sec-Butylbenzene

Concen: 3.176 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY020247.D

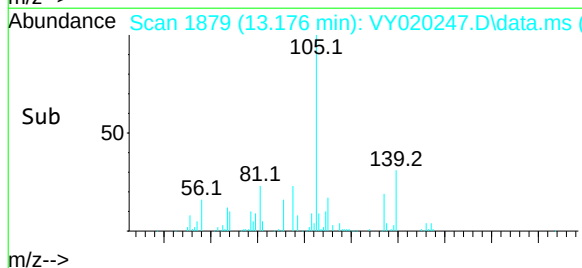
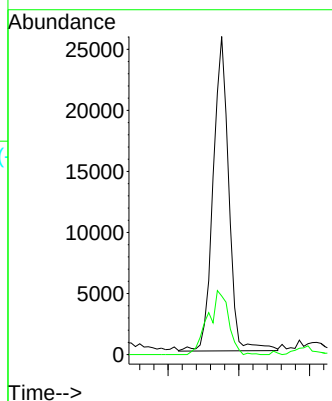
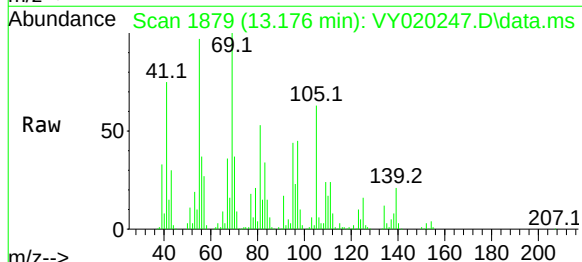
Acq: 11 Nov 2024 14:49

Tgt Ion:105 Resp: 39551

Ion Ratio Lower Upper

105 100

134 26.8 10.1 30.1



Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	2.32 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
VY020248.D	1		11/11/24 15:12	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.80	U	3.80	11.4	ug/Kg
74-87-3	Chloromethane	2.70	U	2.70	11.4	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	1.80	11.4	ug/Kg
74-83-9	Bromomethane	2.40	U	2.40	11.4	ug/Kg
75-00-3	Chloroethane	2.30	U	2.30	11.4	ug/Kg
75-69-4	Trichlorofluoromethane	2.10	U	2.10	11.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.40	U	2.40	11.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	1.80	11.4	ug/Kg
67-64-1	Acetone	14.3	U	14.3	57.1	ug/Kg
75-15-0	Carbon Disulfide	2.90	U	2.90	11.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.50	U	1.50	11.4	ug/Kg
79-20-9	Methyl Acetate	4.10	U	4.10	11.4	ug/Kg
75-09-2	Methylene Chloride	7.80	U	7.80	22.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	1.90	11.4	ug/Kg
75-34-3	1,1-Dichloroethane	1.40	U	1.40	11.4	ug/Kg
110-82-7	Cyclohexane	1.60	U	1.60	11.4	ug/Kg
78-93-3	2-Butanone	13.0	U	13.0	57.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.00	U	2.00	11.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.40	U	1.40	11.4	ug/Kg
74-97-5	Bromochloromethane	5.50	U	5.50	11.4	ug/Kg
67-66-3	Chloroform	1.50	U	1.50	11.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	1.80	11.4	ug/Kg
108-87-2	Methylcyclohexane	2.00	U	2.00	11.4	ug/Kg
71-43-2	Benzene	1.60	U	1.60	11.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.40	U	1.40	11.4	ug/Kg
79-01-6	Trichloroethene	1.70	U	1.70	11.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.50	U	1.50	11.4	ug/Kg
75-27-4	Bromodichloromethane	1.30	U	1.30	11.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.90	U	9.90	57.1	ug/Kg
108-88-3	Toluene	1.50	U	1.50	11.4	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	2.32 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
VY020248.D	1		11/11/24 15:12	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.40	U	1.40	11.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.30	U	1.30	11.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	1.90	11.4	ug/Kg
591-78-6	2-Hexanone	10.9	U	10.9	57.1	ug/Kg
124-48-1	Dibromochloromethane	1.50	U	1.50	11.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	1.80	11.4	ug/Kg
127-18-4	Tetrachloroethene	2.00	U	2.00	11.4	ug/Kg
108-90-7	Chlorobenzene	1.70	U	1.70	11.4	ug/Kg
100-41-4	Ethyl Benzene	1.40	U	1.40	11.4	ug/Kg
179601-23-1	m/p-Xylenes	4.40	J	3.10	22.9	ug/Kg
95-47-6	o-Xylene	1.60	U	1.60	11.4	ug/Kg
100-42-5	Styrene	1.40	U	1.40	11.4	ug/Kg
75-25-2	Bromoform	1.90	U	1.90	11.4	ug/Kg
98-82-8	Isopropylbenzene	1.50	U	1.50	11.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	2.50	11.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	11.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.80	11.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	11.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.60	U	3.60	11.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.80	U	1.80	11.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.80	U	1.80	11.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.1		50 - 163	114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	48.9		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		29 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	190000	7.713			
540-36-3	1,4-Difluorobenzene	400000	8.616			
3114-55-4	Chlorobenzene-d5	366000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.346			

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	2.32	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
VY020248.D	1		11/11/24 15:12	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020248.D
Acq On : 11 Nov 2024 15:12
Operator : SY/MD
Sample : P4768-06
Misc : 2.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

Quant Time: Nov 11 23:16:49 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

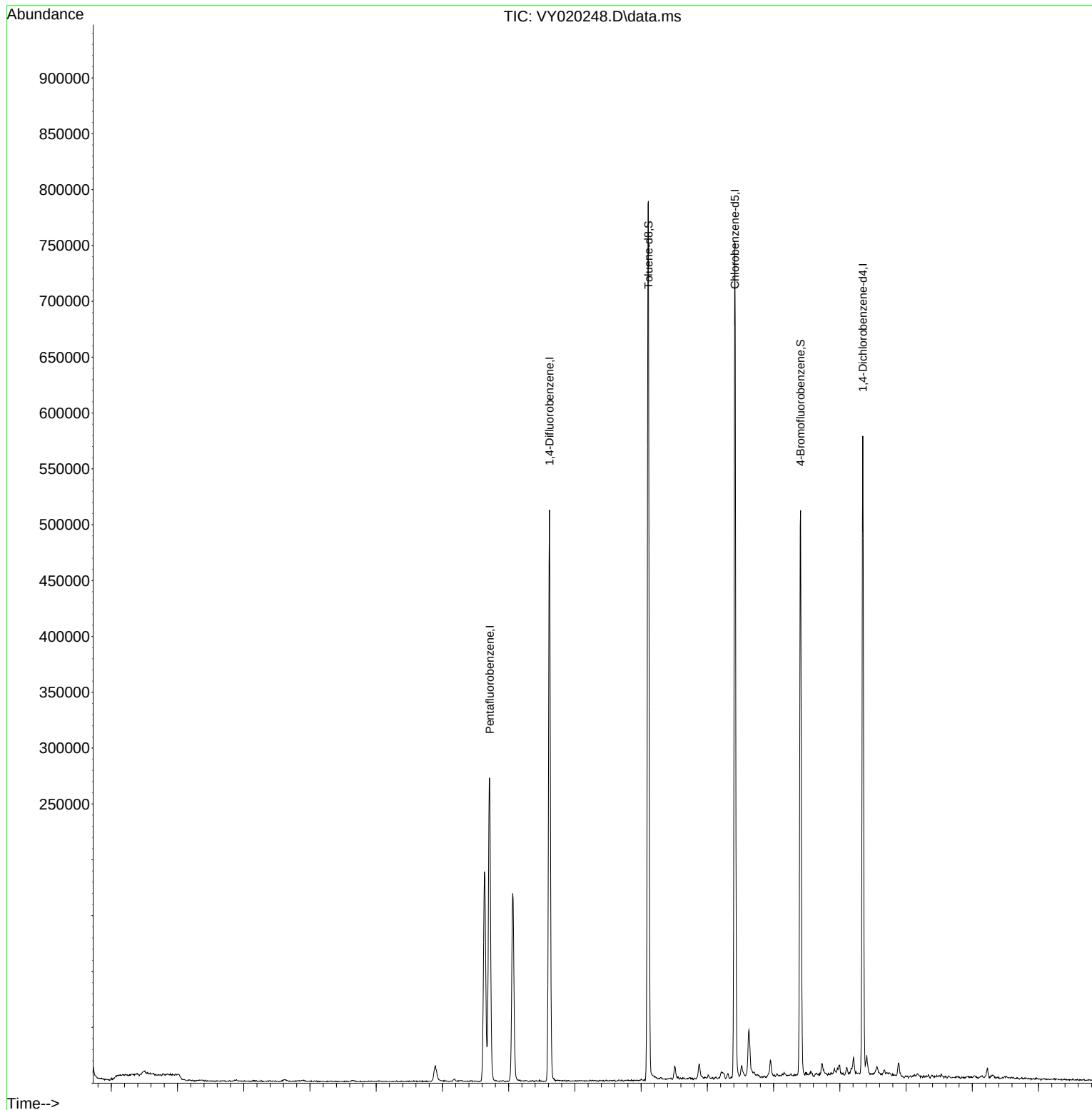
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	190237	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	399773	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	365761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135459	57.053	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.100%
35) Dibromofluoromethane	7.634	113	132702	52.209	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.420%
50) Toluene-d8	10.109	98	495141	48.940	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.880%
62) 4-Bromofluorobenzene	12.408	95	151247	46.024	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	92.040%
Target Compounds						
68) m/p-Xylenes	11.621	106	10308	1.934	ug/l	Qvalue 93

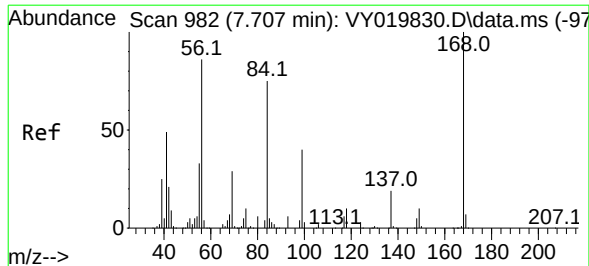
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020248.D
Acq On : 11 Nov 2024 15:12
Operator : SY/MD
Sample : P4768-06
Misc : 2.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

Quant Time: Nov 11 23:16:49 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

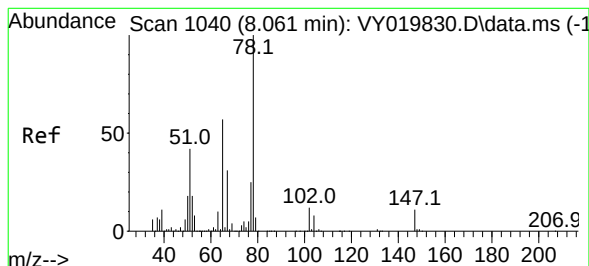
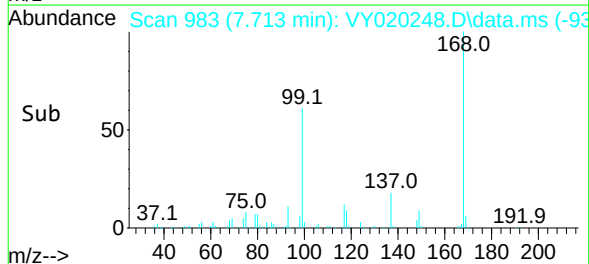
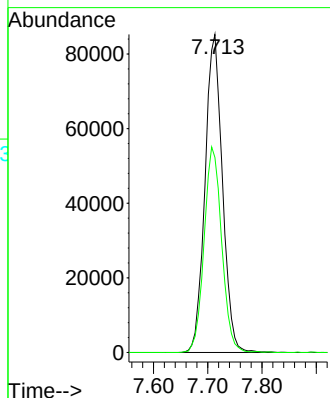
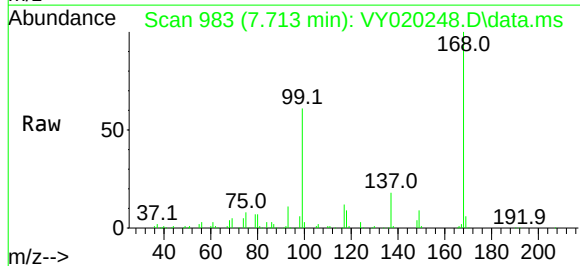




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020248.D
Acq: 11 Nov 2024 15:12

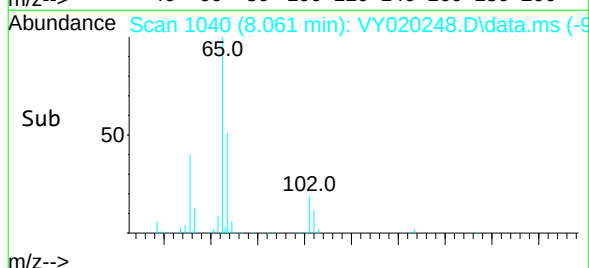
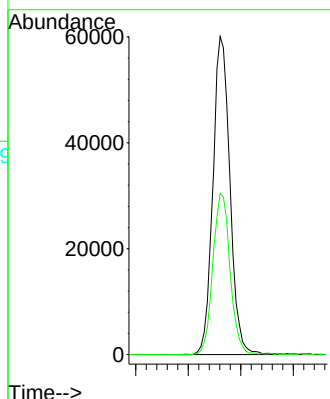
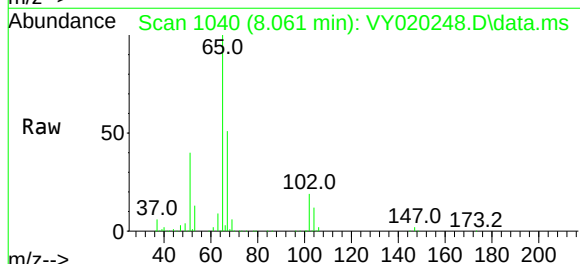
Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

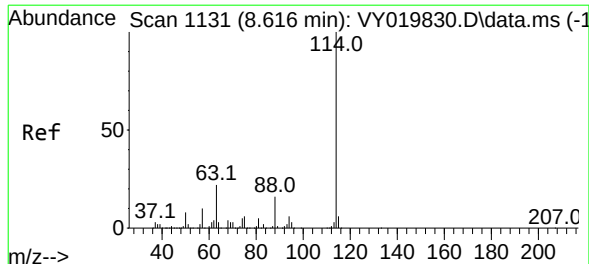
Tgt Ion: 168 Resp: 190237
Ion Ratio Lower Upper
168 100
99 61.3 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 57.053 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020248.D
Acq: 11 Nov 2024 15:12

Tgt Ion: 65 Resp: 135459
Ion Ratio Lower Upper
65 100
67 51.4 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: VY020248.D

Acq: 11 Nov 2024 15:12

Instrument :

MSVOA_Y

ClientSampleId :

B-6-2

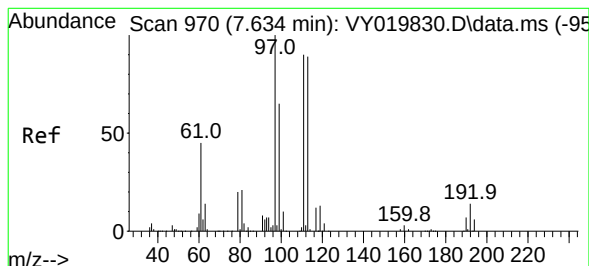
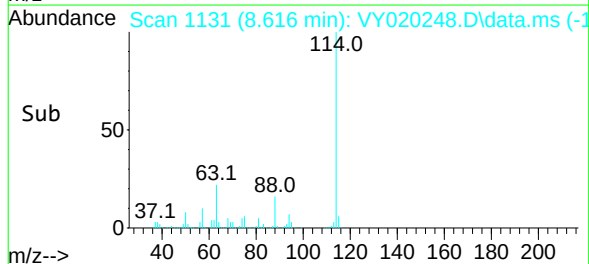
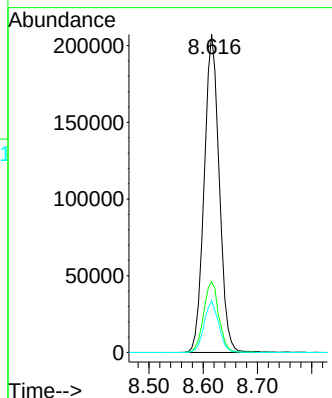
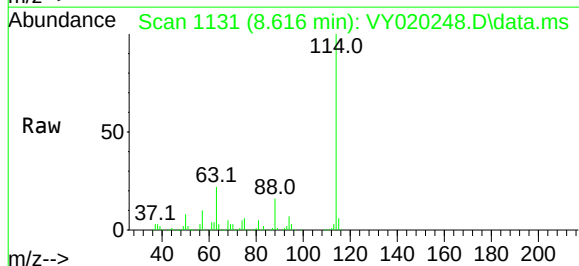
Tgt Ion:114 Resp: 399773

Ion Ratio Lower Upper

114 100

63 22.3 0.0 35.0

88 16.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.209 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY020248.D

Acq: 11 Nov 2024 15:12

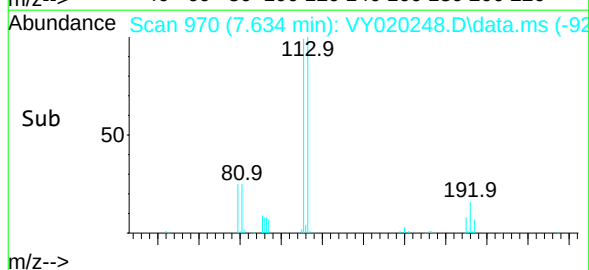
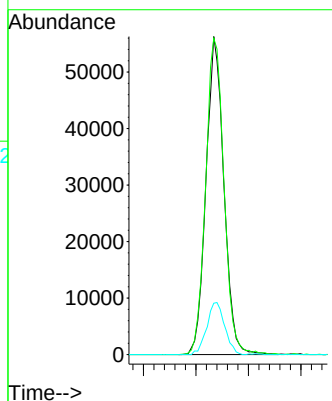
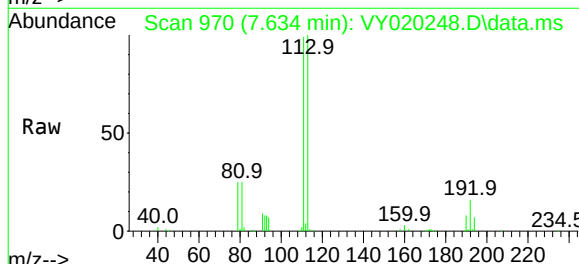
Tgt Ion:113 Resp: 132702

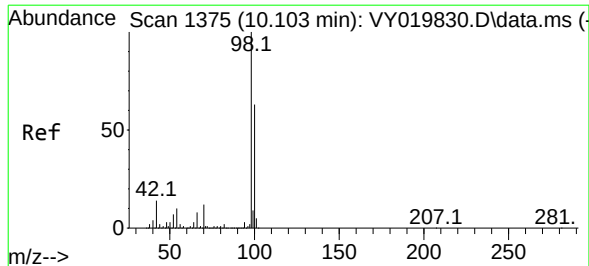
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 16.5 15.9 23.9





#50

Toluene-d8

Concen: 48.940 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020248.D

Acq: 11 Nov 2024 15:12

Instrument :

MSVOA_Y

ClientSampleId :

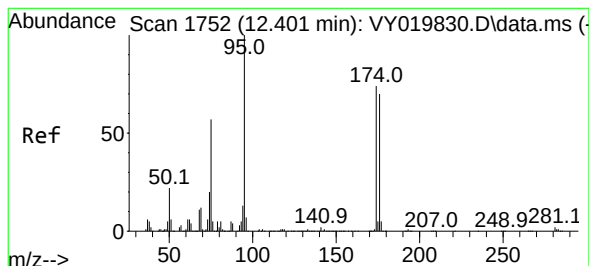
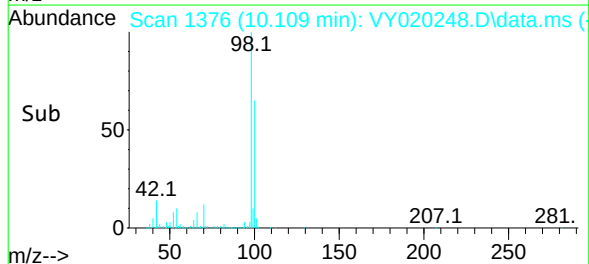
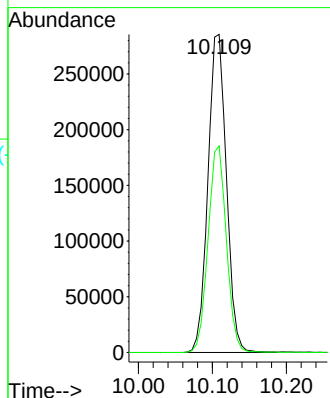
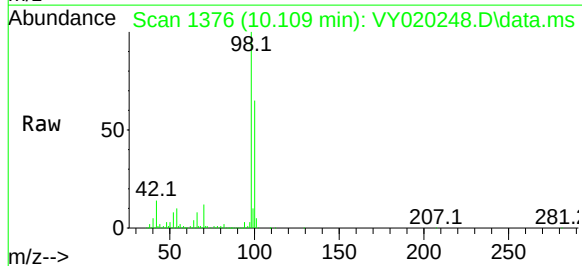
B-6-2

Tgt Ion: 98 Resp: 495141

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 46.024 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020248.D

Acq: 11 Nov 2024 15:12

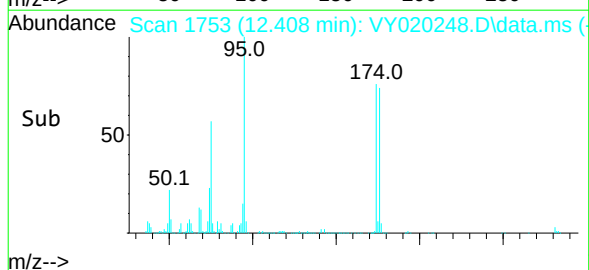
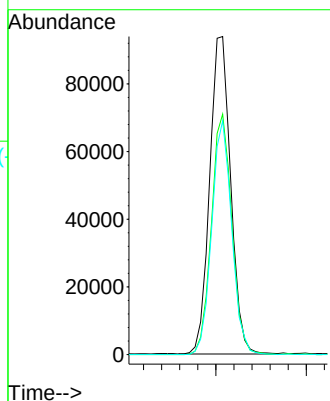
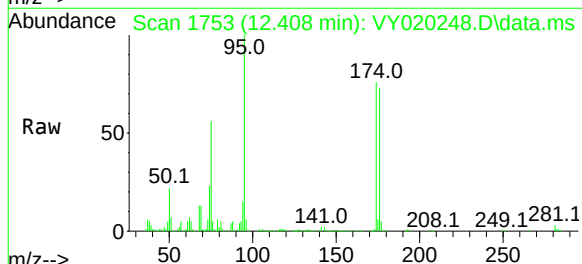
Tgt Ion: 95 Resp: 151247

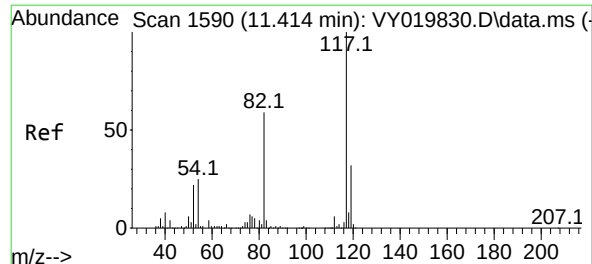
Ion Ratio Lower Upper

95 100

174 73.8 0.0 175.6

176 69.9 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: VY020248.D

Acq: 11 Nov 2024 15:12

Instrument :

MSVOA_Y

ClientSampleId :

B-6-2

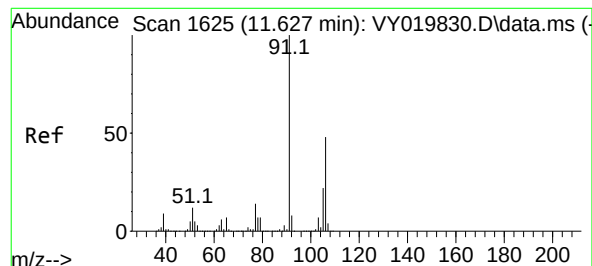
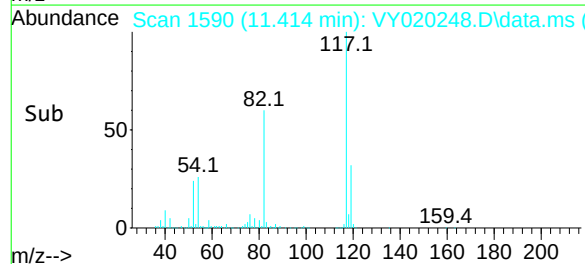
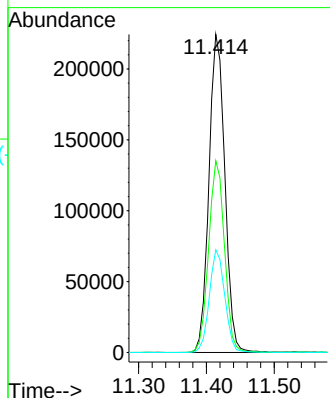
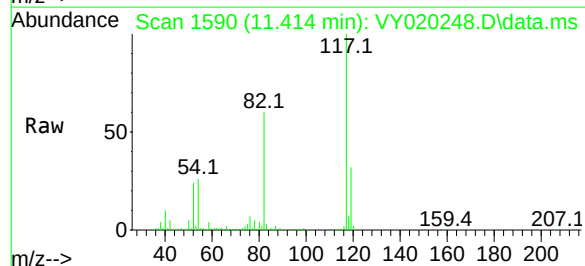
Tgt Ion:117 Resp: 365761

Ion Ratio Lower Upper

117 100

82 60.3 42.4 63.6

119 32.3 25.9 38.9



#68

m/p-Xylenes

Concen: 1.934 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.012 min

Lab File: VY020248.D

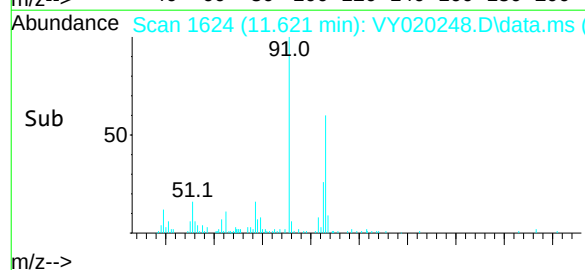
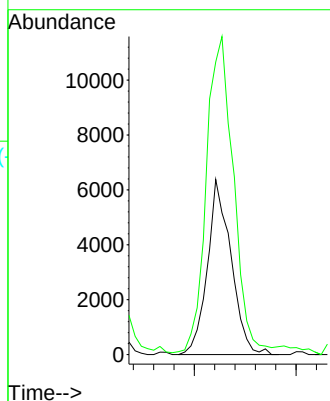
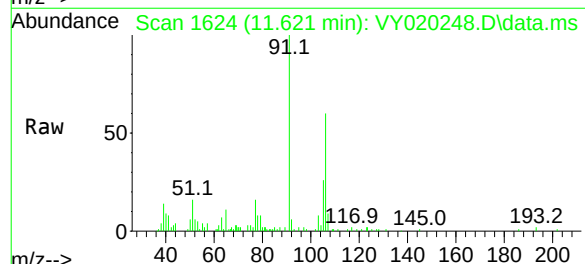
Acq: 11 Nov 2024 15:12

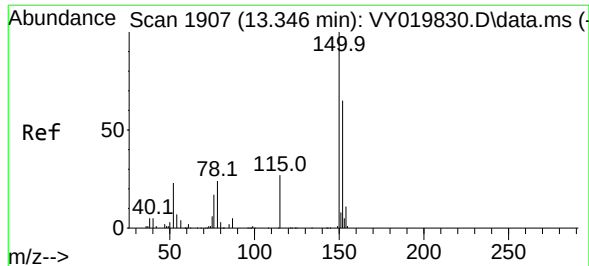
Tgt Ion:106 Resp: 10308

Ion Ratio Lower Upper

106 100

91 205.4 156.0 234.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 19

Delta R.T. 0.000 min

Lab File: VY020248.D

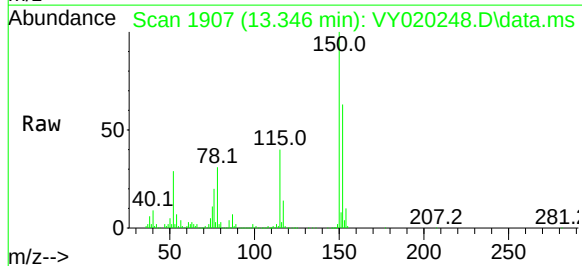
Acq: 11 Nov 2024 15:12

Instrument :

MSVOA_Y

ClientSampleId :

B-6-2



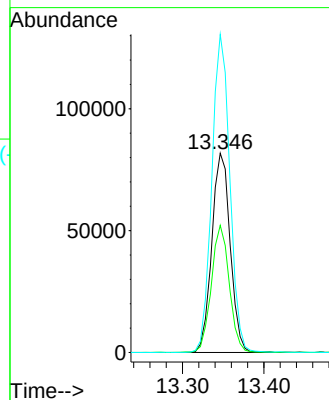
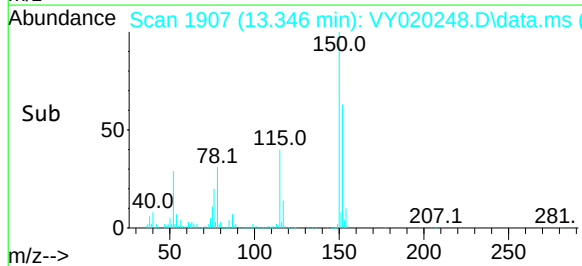
Tgt Ion:152 Resp: 128461

Ion Ratio Lower Upper

152 100

115 62.4 28.2 84.7

150 156.0 0.0 345.6



Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.4
Sample Wt/Vol:	5.3	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
VY020249.D	1		11/11/24 15:35	VY111124

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	0.76	U	0.76	4.90	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.90	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.90	U	0.90	4.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	4.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.77	U	0.77	4.90	ug/Kg
67-64-1	Acetone	13.4	J	6.20	24.7	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	4.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.90	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	4.90	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	9.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.83	U	0.83	4.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.62	U	0.62	4.90	ug/Kg
110-82-7	Cyclohexane	0.68	U	0.68	4.90	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	24.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U	0.86	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	0.66	U	0.66	4.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.90	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	4.90	ug/Kg
71-43-2	Benzene	0.71	U	0.71	4.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	4.90	ug/Kg
79-01-6	Trichloroethene	0.74	U	0.74	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	24.7	ug/Kg
108-88-3	Toluene	1.50	J	0.66	4.90	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.4
Sample Wt/Vol:	5.3	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
Prep Method :	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020249.D	1		11/11/24 15:35	VY111124

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	0.83	U	0.83	4.90	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	24.7	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	4.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.78	U	0.78	4.90	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	4.90	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.90	ug/Kg
100-41-4	Ethyl Benzene	29.3		0.61	4.90	ug/Kg
179601-23-1	m/p-Xylenes	130		1.30	9.90	ug/Kg
95-47-6	o-Xylene	44.4		0.69	4.90	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.90	ug/Kg
75-25-2	Bromoform	0.80	U	0.80	4.90	ug/Kg
98-82-8	Isopropylbenzene	0.66	U	0.66	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	0.73	U	0.73	4.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.79	U	0.79	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	0.78	U	0.78	4.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.77	U	0.77	4.90	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	60.8	50 - 163	122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3	54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	50.6	58 - 134	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8	29 - 146	102%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	182000	7.713
540-36-3	1,4-Difluorobenzene	390000	8.616
3114-55-4	Chlorobenzene-d5	372000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.346

TENTATIVE IDENTIFIED COMPOUNDS



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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.4
Sample Wt/Vol:	5.3 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
VY020249.D	1		11/11/24 15:35	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001795-27-3	Cyclohexane, 1,3,5-trimethyl-, (1.	15.8	J		10.9	ug/Kg
001678-91-7	Cyclohexane, ethyl-	9.70	J		11.0	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	18.6	J		11.0	ug/Kg
003074-71-3	Heptane, 2,3-dimethyl-	8.90	J		11.1	ug/Kg
002234-75-5	Cyclohexane, 1,2,4-trimethyl-	60.7	J		11.2	ug/Kg
002216-33-3	Octane, 3-methyl-	24.9	J		11.3	ug/Kg
003728-56-1	1-Ethyl-4-methylcyclohexane	13.4	J		11.7	ug/Kg
000124-18-5	Decane	40.8	J		12.7	ug/Kg
002847-72-5	Decane, 4-methyl-	10.1	J		13.0	ug/Kg
001678-98-4	Cyclohexane, (2-methylpropyl)-	8.90	J		13.2	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\VY111124\
 Data File : VY020249.D
 Acq On : 11 Nov 2024 15:35
 Operator : SY/MD
 Sample : P4768-07
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-6-3

Quant Time: Nov 11 23:17:11 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)

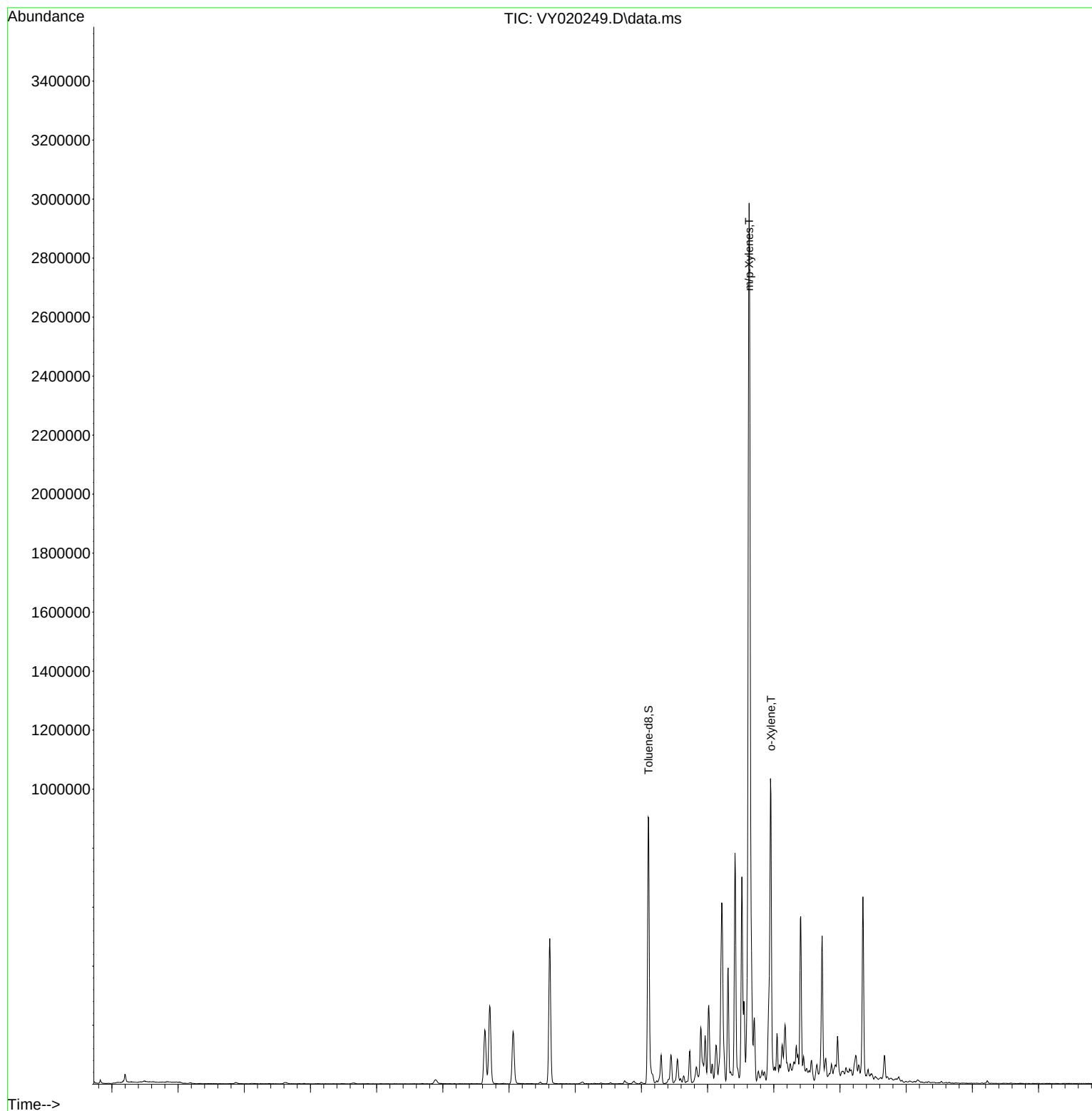
Internal Standards						
1) Pentafluorobenzene	7.713	168	182405	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	389693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	371704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	138450	60.816	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.640%
35) Dibromofluoromethane	7.634	113	129480	52.259	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.520%
50) Toluene-d8	10.109	98	498571	50.553	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.100%
62) 4-Bromofluorobenzene	12.402	95	162690	50.787	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	101.580%
Target Compounds						
						Qvalue
16) Acetone	3.873	43	7159	13.522	ug/l	# 80
52) Toluene	10.170	92	10572	1.535	ug/l	92
67) Ethyl Benzene	11.518	91	439351	29.675	ug/l	100
68) m/p-Xylenes	11.627	106	720033	132.927	ug/l	90
69) o-Xylene	11.956	106	230095	44.867	ug/l	92

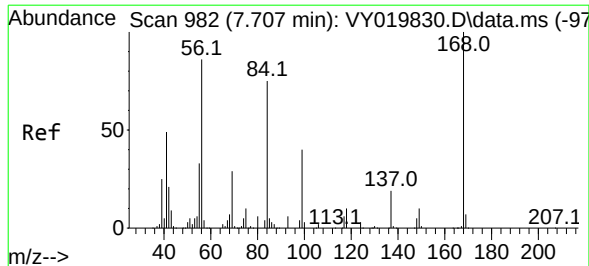
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

Quant Time: Nov 11 23:17:11 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

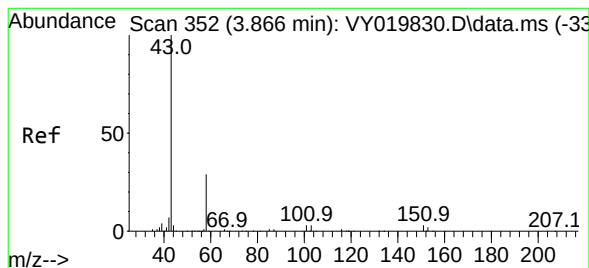
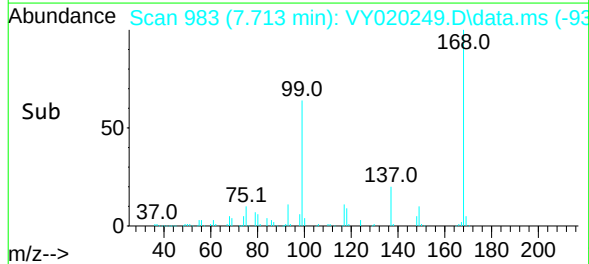
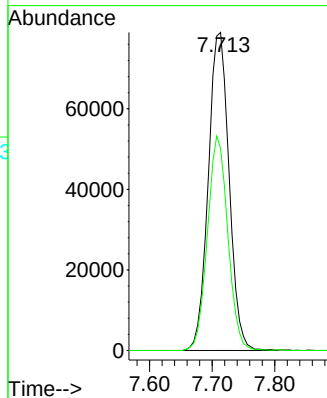
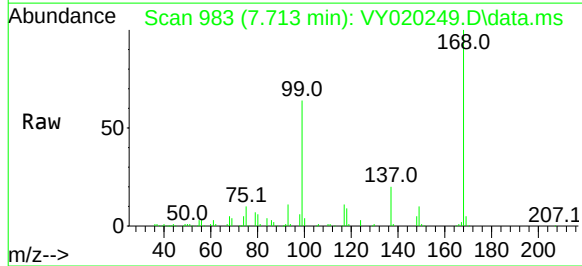




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

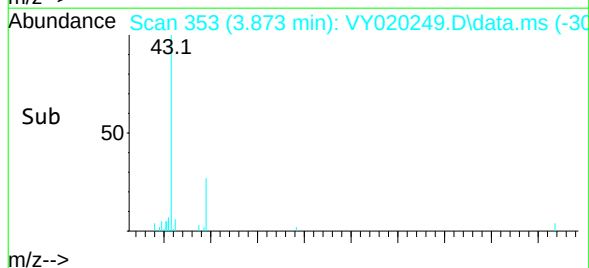
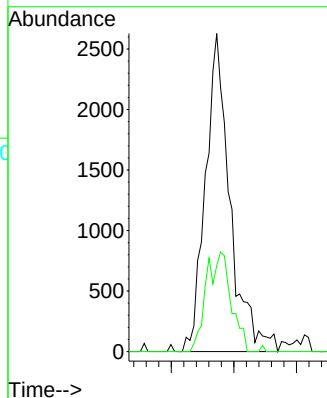
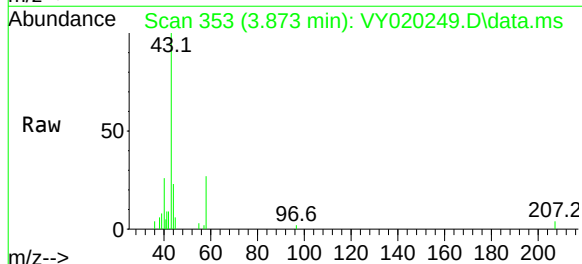
Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

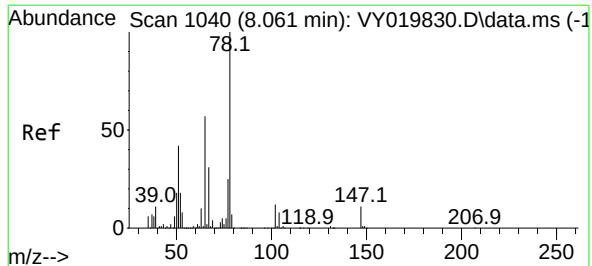
Tgt Ion:168 Resp: 182405
Ion Ratio Lower Upper
168 100
99 63.6 39.1 58.7#



#16
Acetone
Concen: 13.522 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion: 43 Resp: 7159
Ion Ratio Lower Upper
43 100
58 27.0 31.7 47.5#

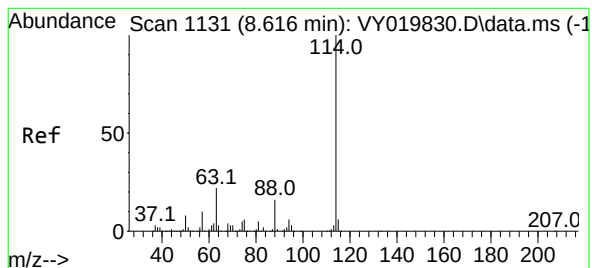
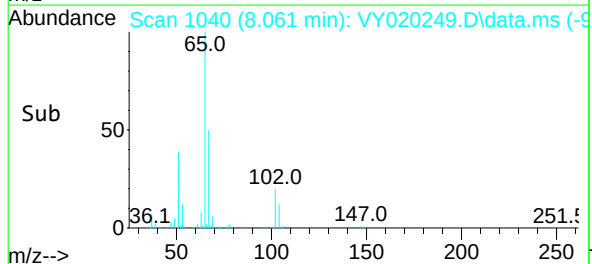
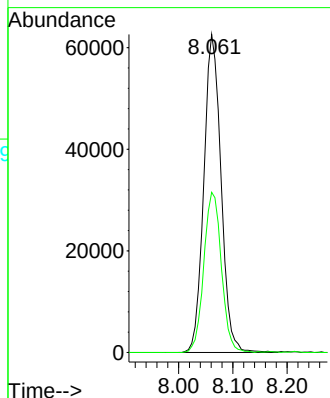
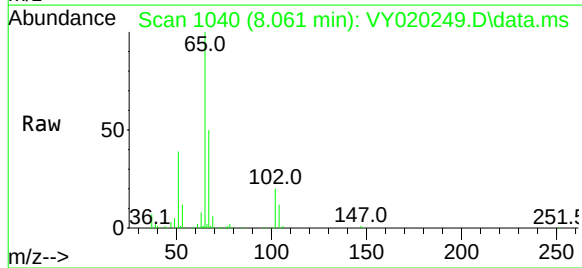




#33
1,2-Dichloroethane-d4
Concen: 60.816 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

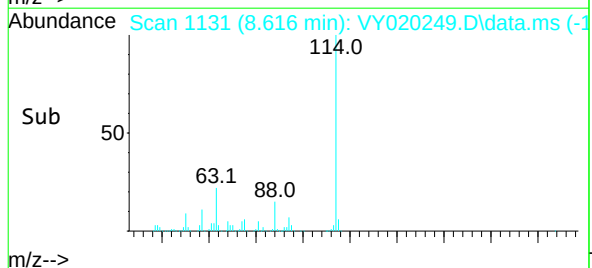
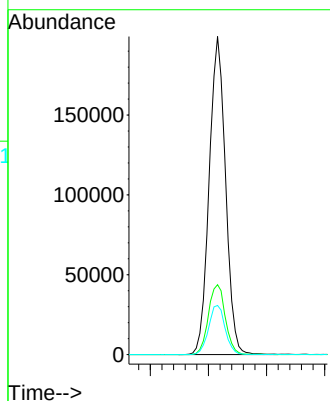
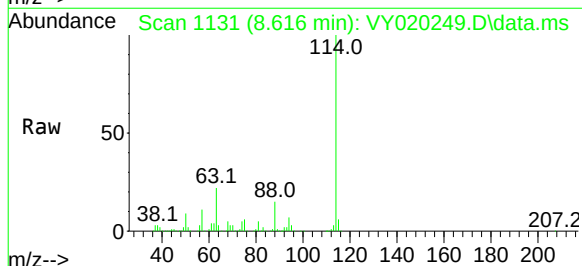
Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

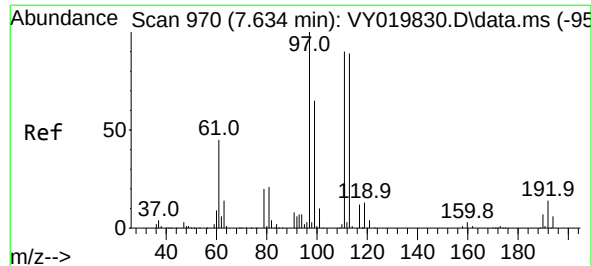
Tgt Ion: 65 Resp: 138450
Ion Ratio Lower Upper
65 100
67 51.4 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion: 114 Resp: 389693
Ion Ratio Lower Upper
114 100
63 22.0 0.0 35.0
88 15.4 0.0 27.2





#35

Dibromofluoromethane

Concen: 52.259 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY020249.D

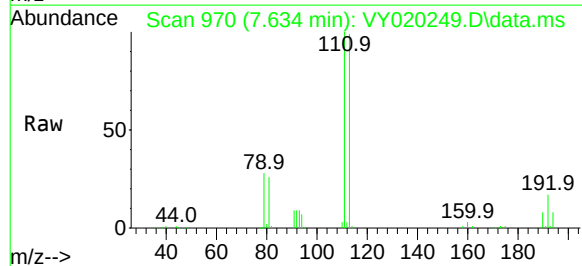
Acq: 11 Nov 2024 15:35

Instrument :

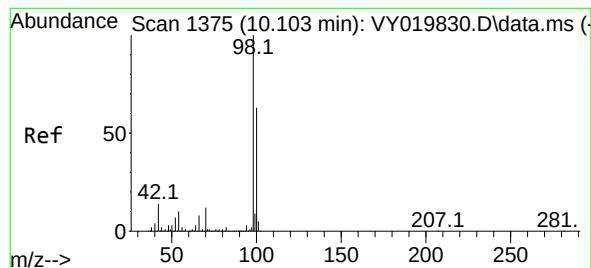
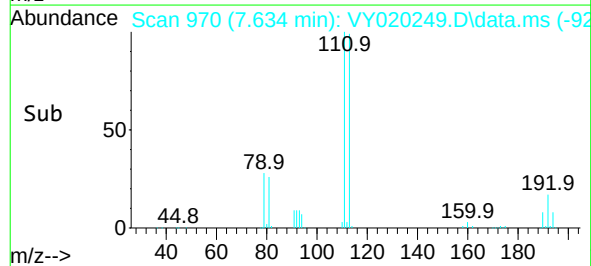
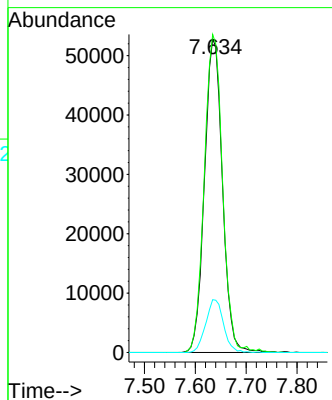
MSVOA_Y

ClientSampleId :

B-6-3



Tgt Ion:	113	Resp:	129480
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	16.8	15.9	23.9



#50

Toluene-d8

Concen: 50.553 ug/l

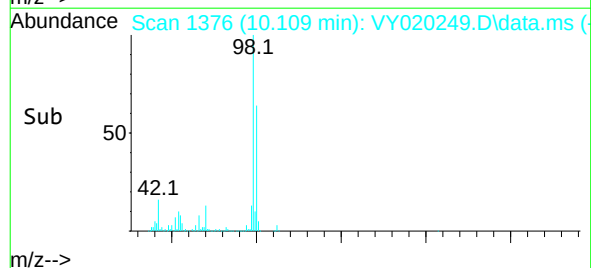
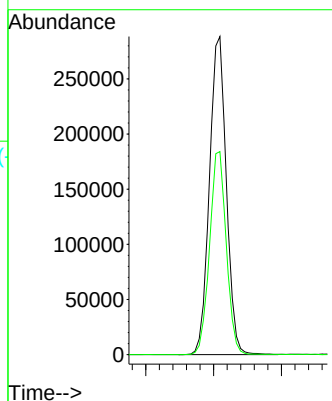
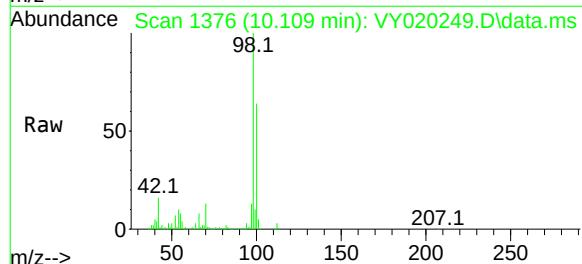
RT: 10.109 min Scan# 1376

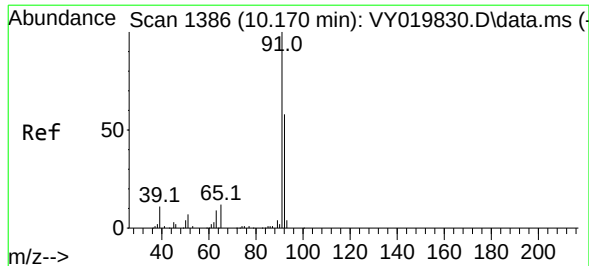
Delta R.T. 0.000 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

Tgt Ion:	98	Resp:	498571
Ion	Ratio	Lower	Upper
98	100		
100	63.2	52.0	78.0





#52

Toluene

Concen: 1.535 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

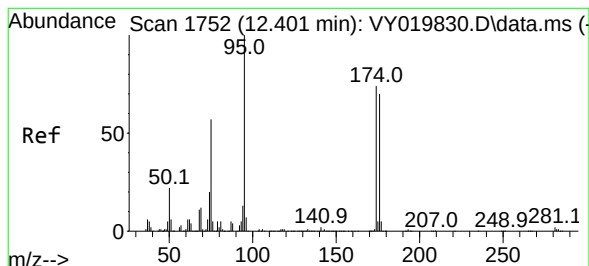
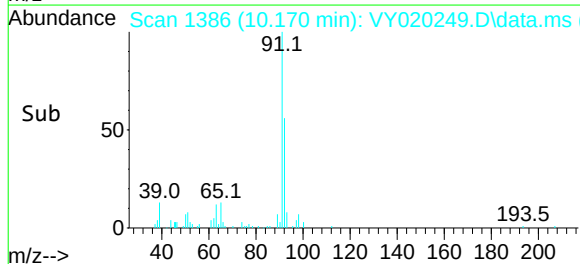
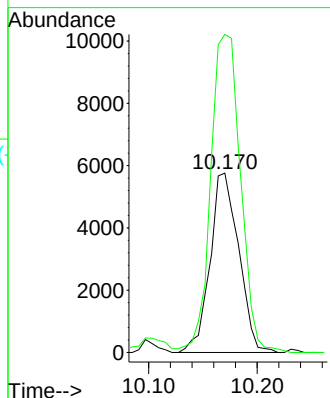
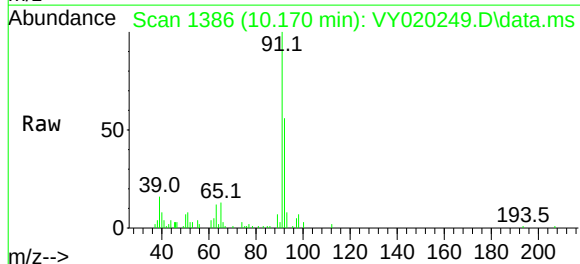
B-6-3

Tgt Ion: 92 Resp: 10572

Ion Ratio Lower Upper

92 100

91 184.3 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 50.787 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

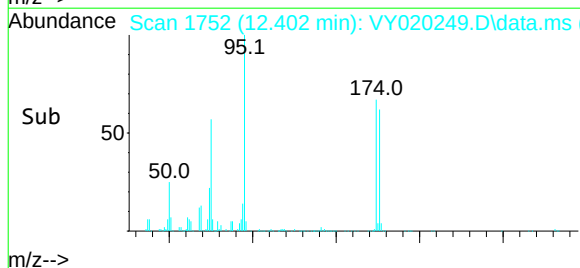
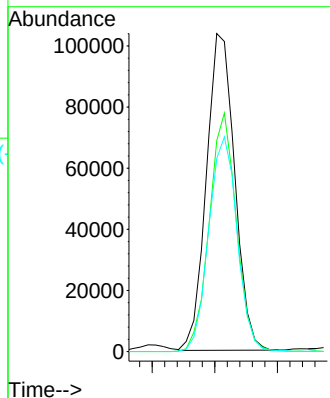
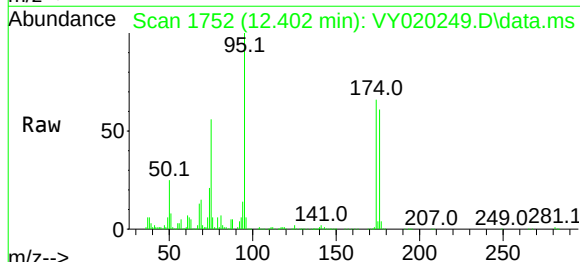
Tgt Ion: 95 Resp: 162690

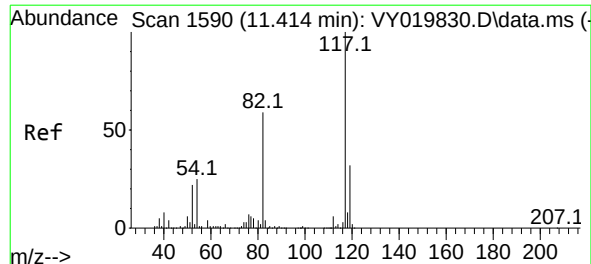
Ion Ratio Lower Upper

95 100

174 72.2 0.0 175.6

176 68.1 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: VY020249.D

Acq: 11 Nov 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

B-6-3

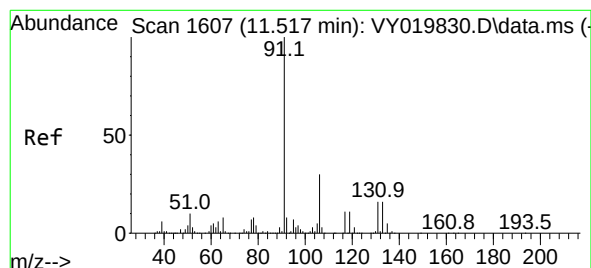
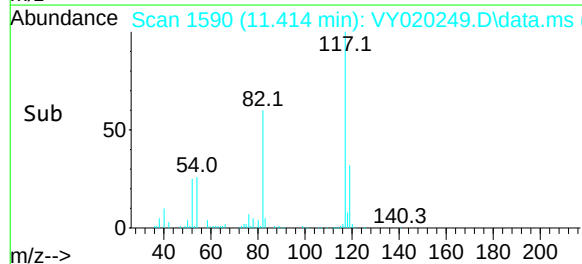
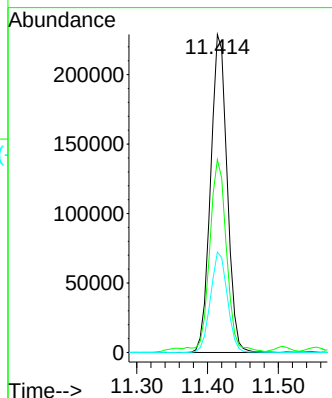
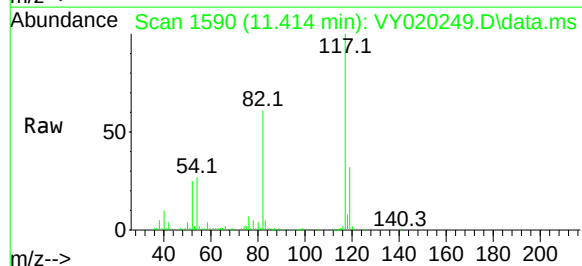
Tgt Ion:117 Resp: 371704

Ion Ratio Lower Upper

117 100

82 59.3 42.4 63.6

119 31.5 25.9 38.9



#67

Ethyl Benzene

Concen: 29.675 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020249.D

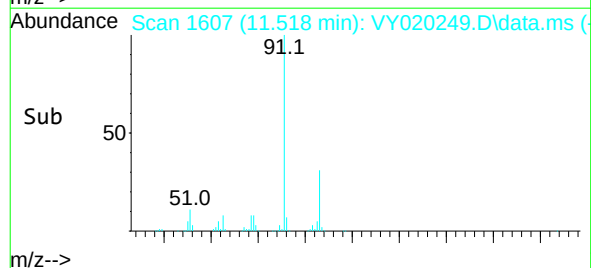
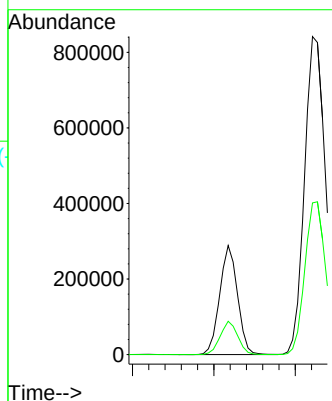
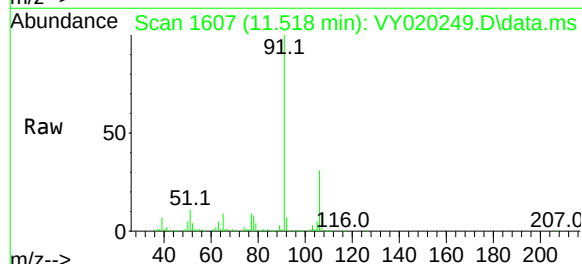
Acq: 11 Nov 2024 15:35

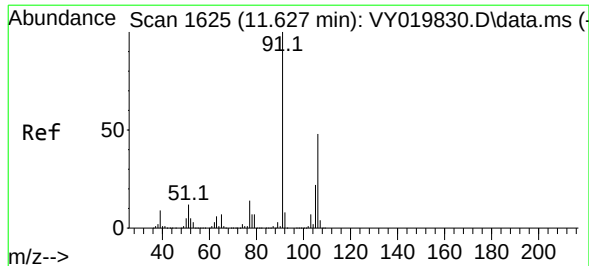
Tgt Ion: 91 Resp: 439351

Ion Ratio Lower Upper

91 100

106 30.6 24.5 36.7





#68

m/p-Xylenes

Concen: 132.927 ug/l

RT: 11.627 min Scan# 1618

Delta R.T. -0.006 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

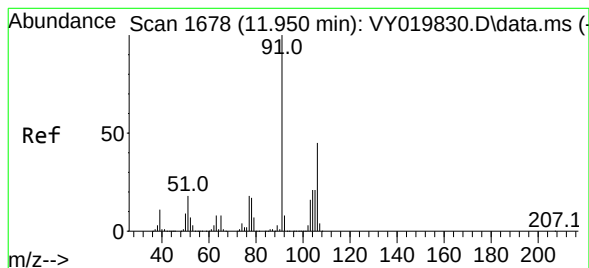
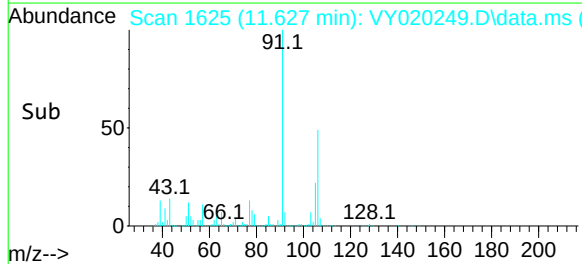
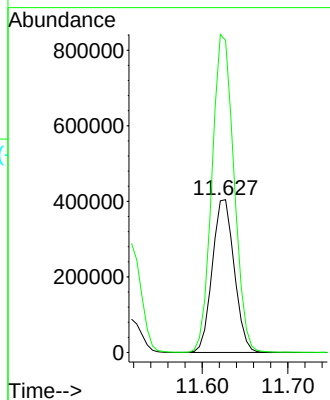
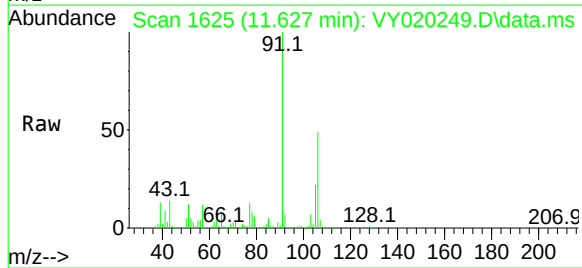
B-6-3

Tgt Ion:106 Resp: 720033

Ion Ratio Lower Upper

106 100

91 209.3 156.0 234.0



#69

o-Xylene

Concen: 44.867 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY020249.D

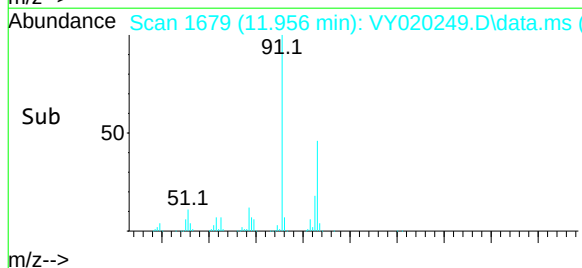
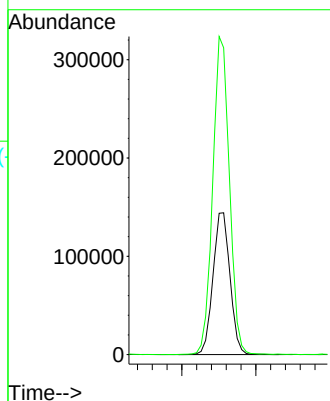
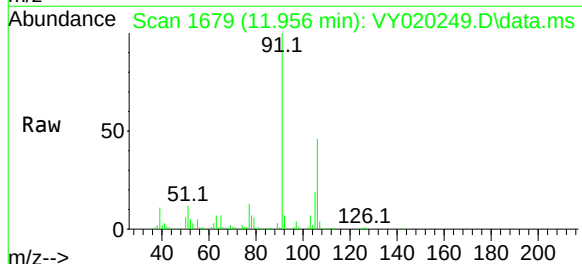
Acq: 11 Nov 2024 15:35

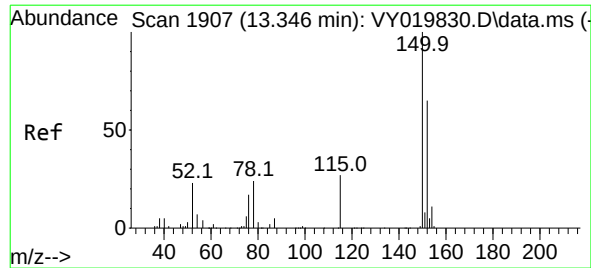
Tgt Ion:106 Resp: 230095

Ion Ratio Lower Upper

106 100

91 220.0 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 19

Delta R.T. 0.000 min

Lab File: VY020249.D

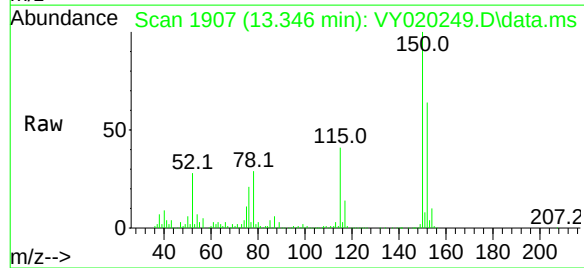
Acq: 11 Nov 2024 15:35

Instrument :

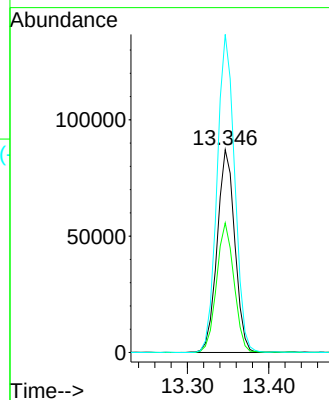
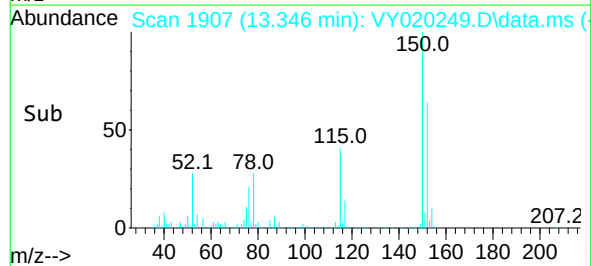
MSVOA_Y

ClientSampleId :

B-6-3



Tgt Ion:	152	Resp:	131499
Ion	Ratio	Lower	Upper
152	100		
115	63.1	28.2	84.7
150	156.3	0.0	345.6





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: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

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: JPCL01
 Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768
 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

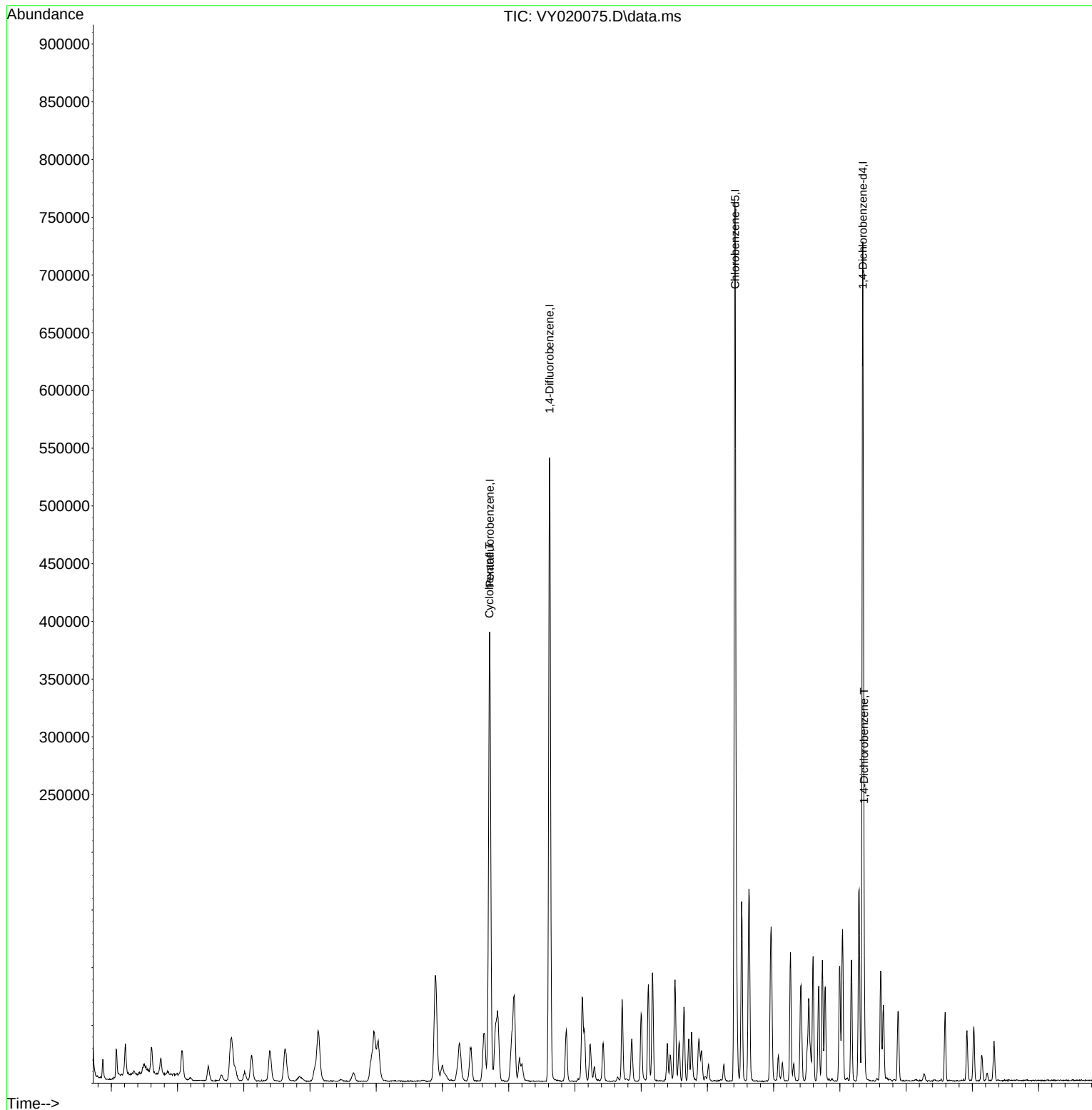
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

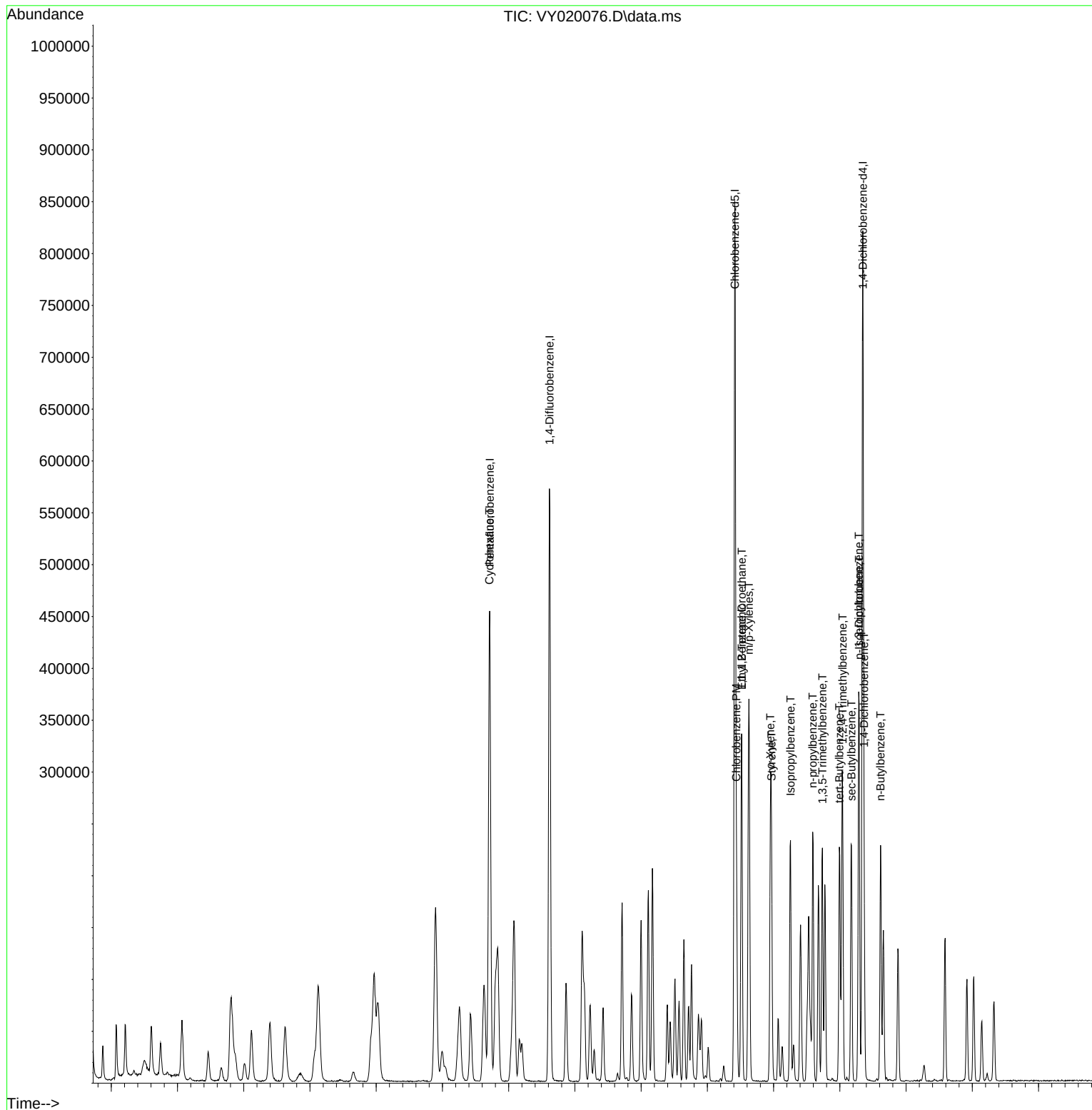
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
Operator : SY/MD
Sample : VSTDIC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

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

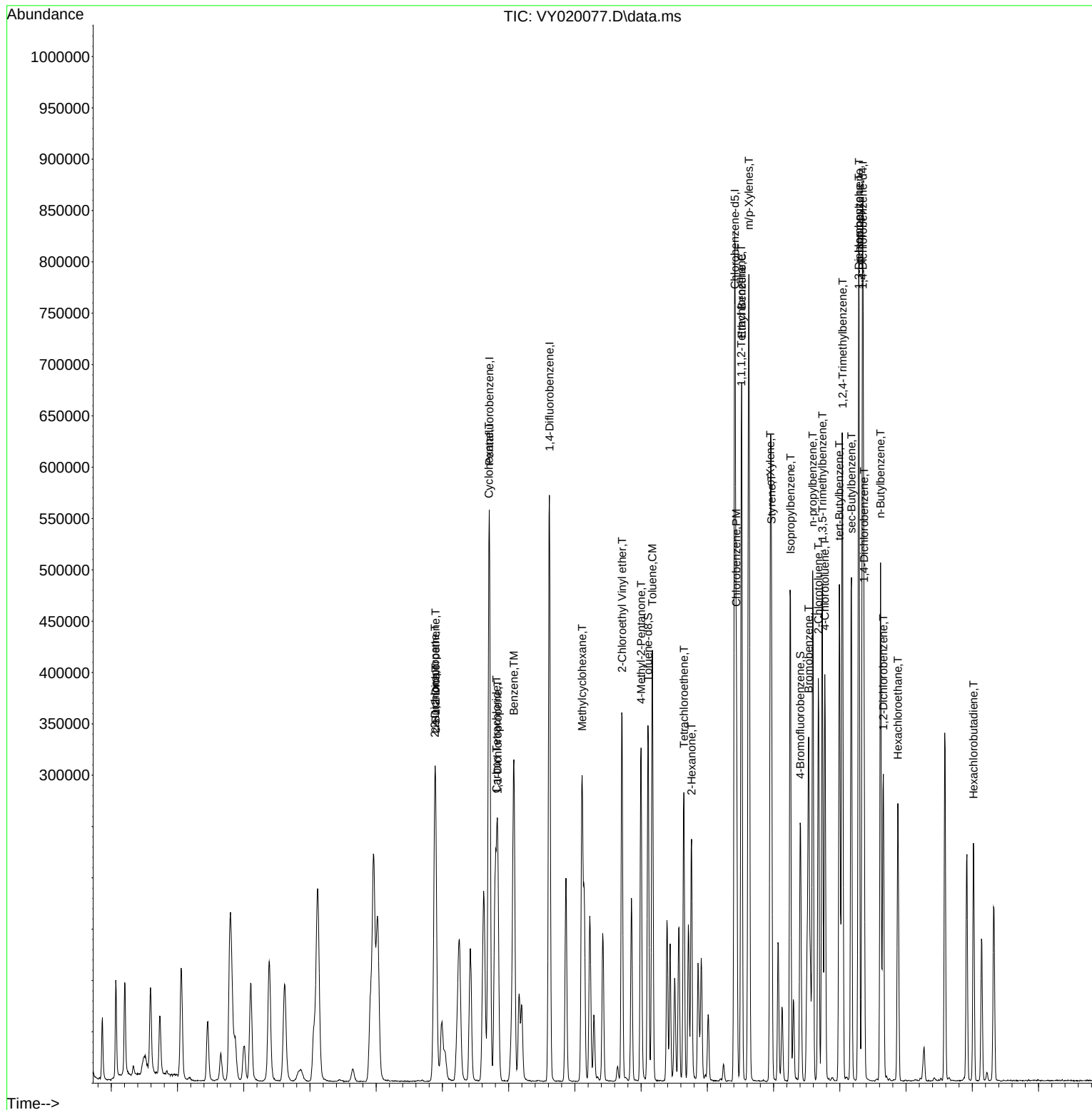
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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

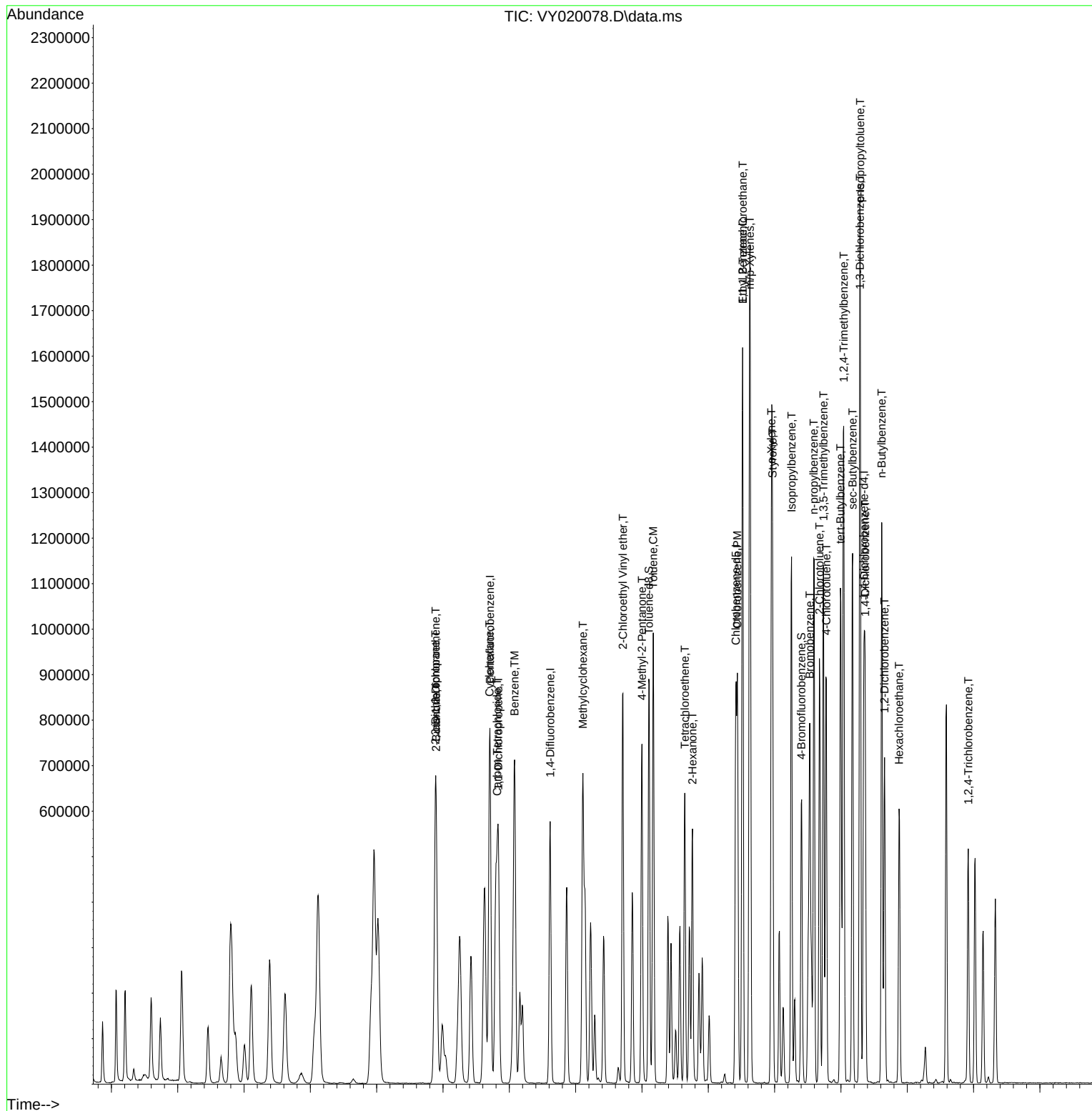
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

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

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)

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

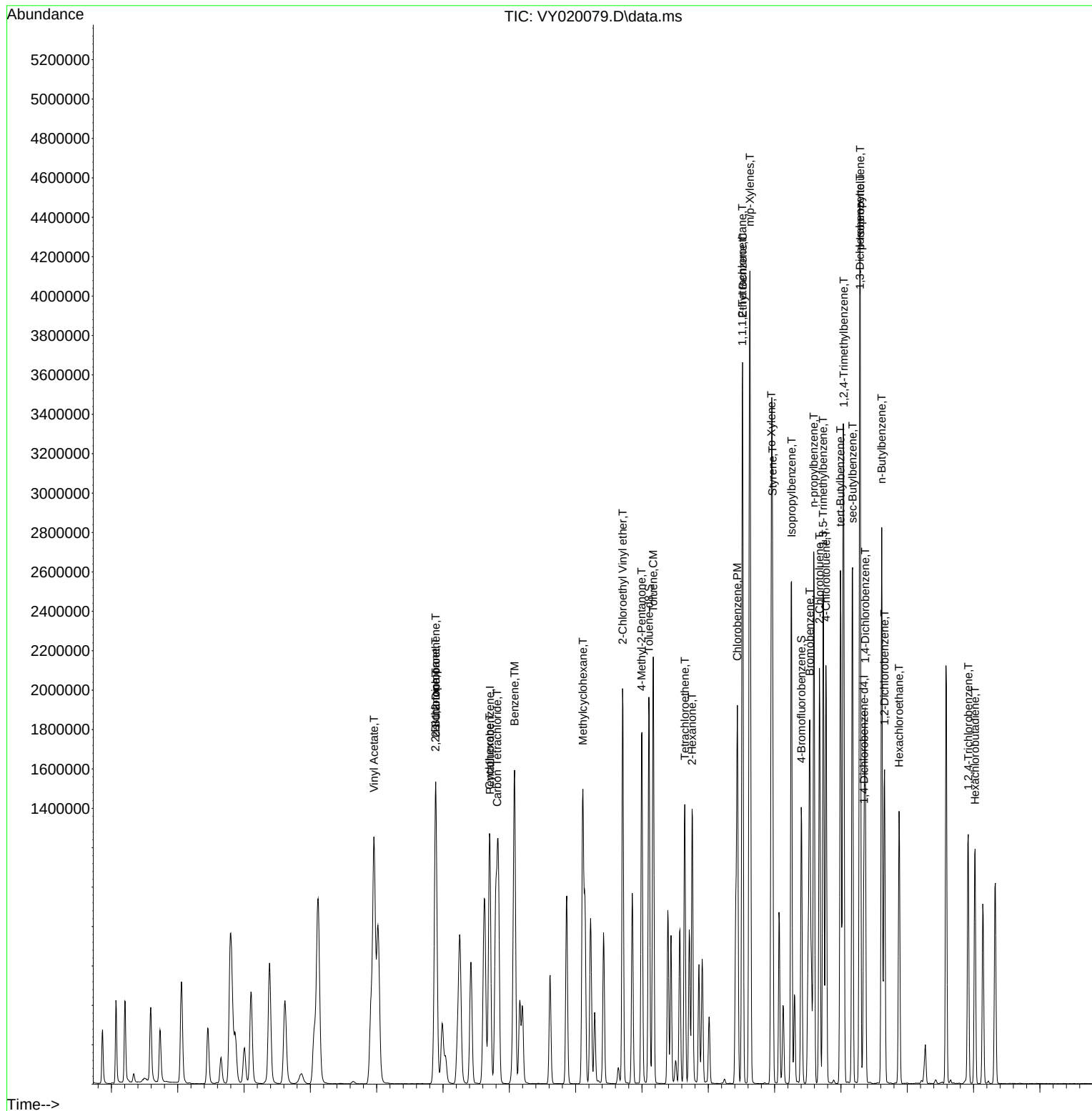
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

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



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

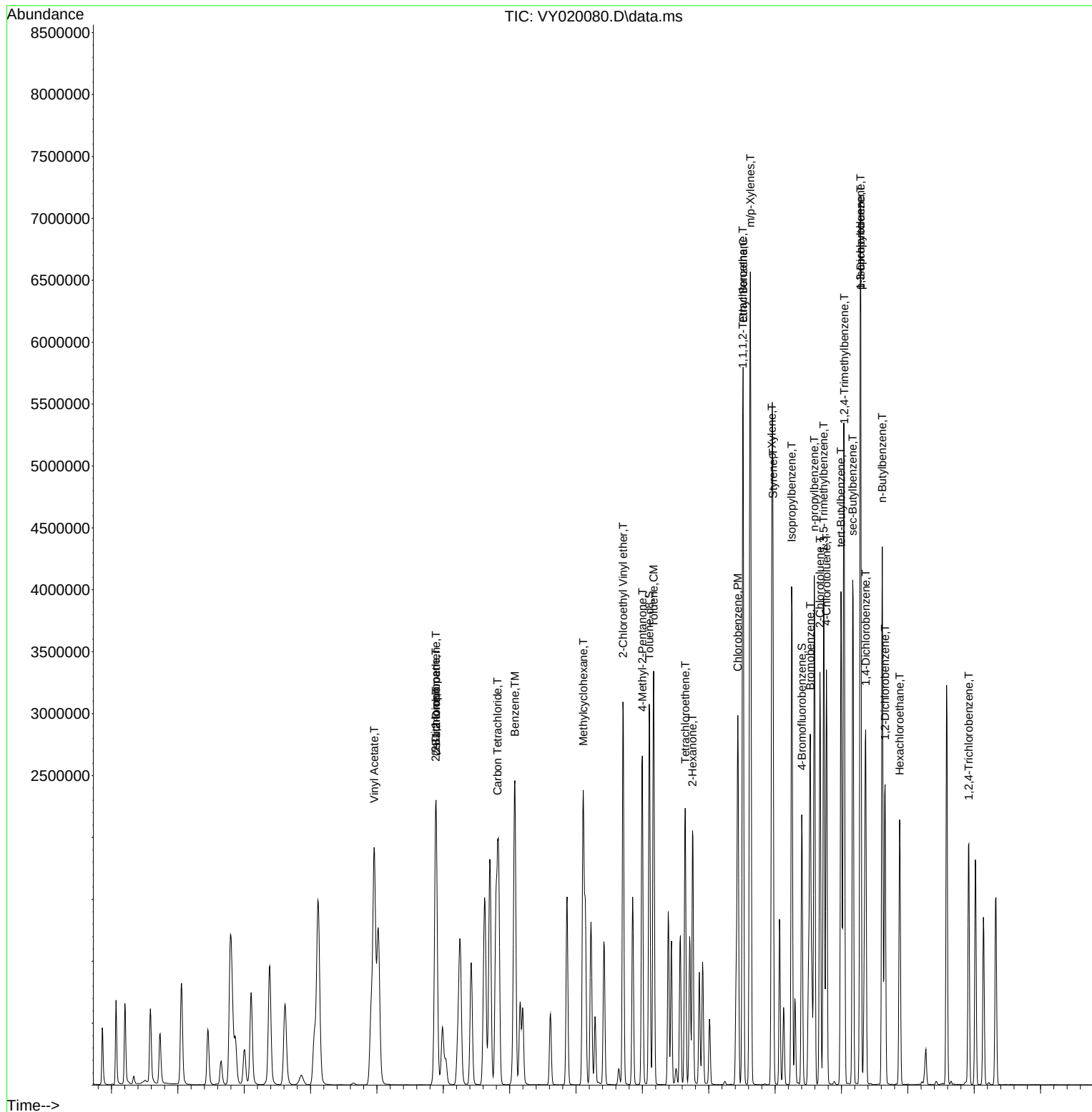
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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 :
 ICSVY103024

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

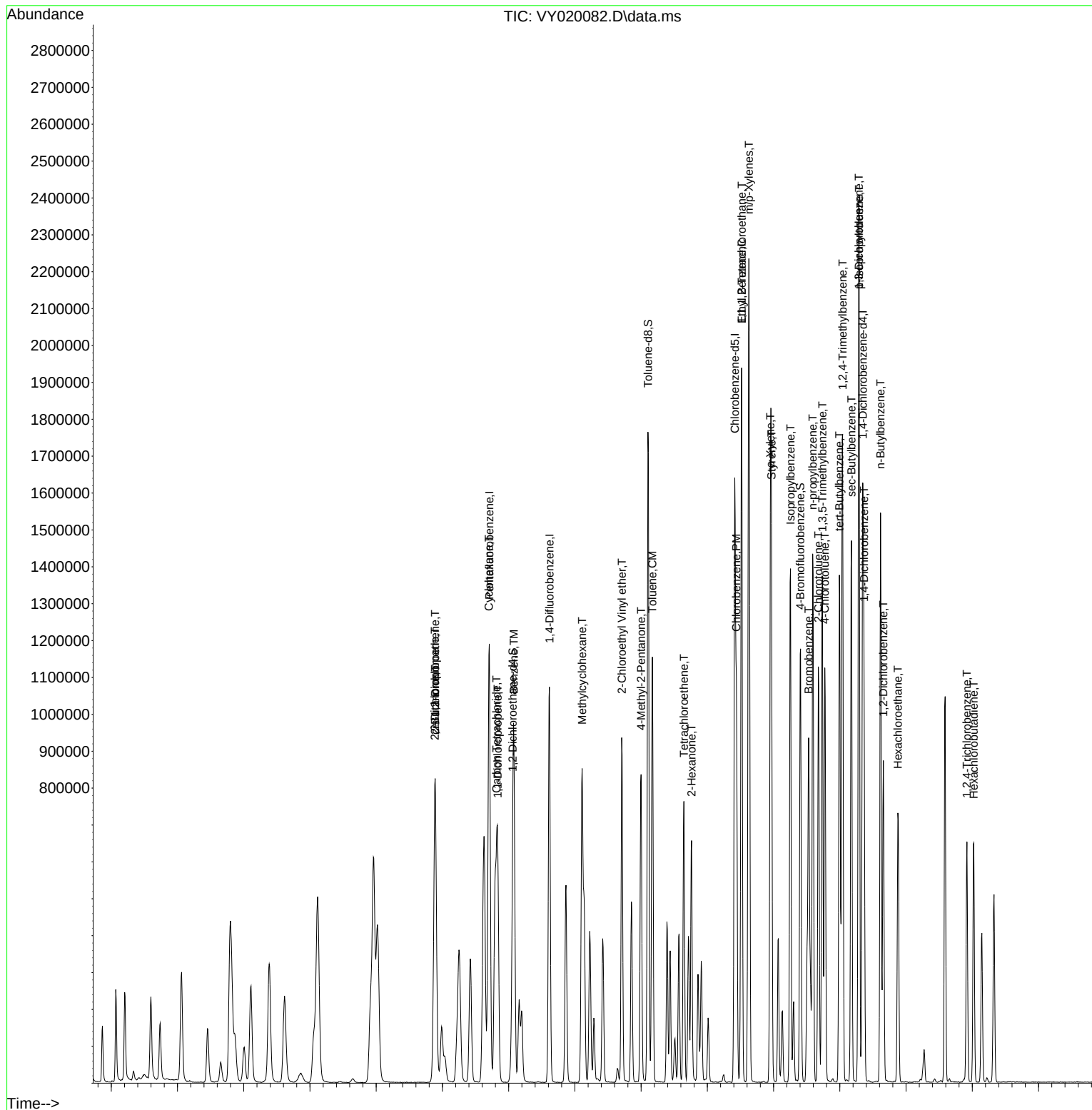
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020082.D
 Acq On : 30 Oct 2024 15:47
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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



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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: MSVOA_Y Calibration Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Calibration Time(s): 15:49 17:42

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

LAB FILE ID:	RRF005 = VY020338.D			RRF010 = VY020339.D		RRF020 = VY020340.D			
	RRF050 = VY020341.D			RRF100 = VY020342.D		RRF150 = VY020343.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.573	0.448	0.467	0.454	0.465	0.506	0.485	9.8	
Chloromethane	0.989	0.788	0.765	0.681	0.589	0.599	0.735	20.3	
Vinyl Chloride	0.816	0.722	0.664	0.622	0.572	0.599	0.666	13.6	
Bromomethane	0.415	0.391	0.293	0.314	0.280	0.302	0.333	16.9	
Chloroethane	0.531	0.376	0.362	0.370	0.334	0.357	0.388	18.3	
Trichlorofluoromethane	1.130	0.863	0.896	0.931	0.821	0.910	0.925	11.6	
1,1,2-Trichlorotrifluoroethane	0.666	0.508	0.536	0.592	0.479	0.525	0.551	12.3	
1,1-Dichloroethene	0.647	0.492	0.536	0.586	0.488	0.524	0.545	11.2	
Acetone	0.160	0.110	0.132	0.160	0.141	0.123	0.138	14.7	
Carbon Disulfide	2.169	1.635	1.750	2.073	1.647	1.753	1.838	12.4	
Methyl tert-butyl Ether	1.574	1.297	1.482	1.399	1.404	1.346	1.417	7	
Methyl Acetate	0.388	0.283	0.339	0.302	0.327	0.288	0.321	12.2	
Methylene Chloride	0.693	0.546	0.595	0.571	0.543	0.552	0.583	9.8	
trans-1,2-Dichloroethene	0.721	0.563	0.627	0.601	0.552	0.571	0.606	10.4	
1,1-Dichloroethane	1.461	1.141	1.083	1.137	1.101	1.117	1.173	12.2	
Cyclohexane	1.318	1.107	1.004	1.035	0.969	0.991	1.071	12.2	
2-Butanone	0.179	0.176	0.168	0.180	0.197	0.165	0.177	6.5	
Carbon Tetrachloride	0.575	0.500	0.500	0.478	0.483	0.533	0.511	7.2	
cis-1,2-Dichloroethene	0.710	0.664	0.643	0.687	0.647	0.653	0.667	3.9	
Bromochloromethane	0.534	0.553	0.441	0.509	0.450	0.476	0.494	9.2	
Chloroform	1.198	1.161	1.069	1.236	1.064	1.072	1.133	6.6	
1,1,1-Trichloroethane	1.068	1.042	0.941	0.997	0.940	0.982	0.995	5.3	
Methylcyclohexane	0.695	0.587	0.612	0.583	0.570	0.630	0.613	7.5	
Benzene	1.632	1.376	1.440	1.348	1.378	1.435	1.435	7.2	
1,2-Dichloroethane	0.416	0.372	0.398	0.364	0.386	0.389	0.387	4.8	
Trichloroethene	0.388	0.331	0.343	0.320	0.318	0.339	0.340	7.5	
1,2-Dichloropropane	0.374	0.331	0.348	0.319	0.334	0.347	0.342	5.5	
Bromodichloromethane	0.525	0.458	0.479	0.492	0.463	0.490	0.484	5	
4-Methyl-2-Pentanone	0.210	0.190	0.219	0.246	0.245	0.219	0.221	9.7	
Toluene	0.970	0.836	0.890	0.850	0.829	0.889	0.877	6	

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: MSVOA_Y Calibration Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Calibration Time(s): 15:49 17:42

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

LAB FILE ID:	RRF005 = VY020338.D			RRF010 = VY020339.D		RRF020 = VY020340.D			
	RRF050 = VY020341.D			RRF100 = VY020342.D		RRF150 = VY020343.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.534	0.401	0.446	0.448	0.456	0.463	0.458	9.5	
cis-1,3-Dichloropropene	0.541	0.493	0.527	0.505	0.530	0.551	0.524	4.1	
1,1,2-Trichloroethane	0.250	0.223	0.263	0.219	0.222	0.221	0.233	8.1	
2-Hexanone	0.142	0.135	0.160	0.171	0.177	0.155	0.157	10.3	
Dibromochloromethane	0.319	0.273	0.307	0.305	0.297	0.300	0.300	5.1	
1,2-Dibromoethane	0.247	0.200	0.221	0.217	0.204	0.206	0.216	8.1	
Tetrachloroethene	0.402	0.344	0.401	0.331	0.333	0.350	0.360	9.1	
Chlorobenzene	1.258	1.079	1.083	1.144	1.040	1.085	1.115	7	
Ethyl Benzene	2.319	1.973	2.002	2.051	1.932	2.063	2.057	6.7	
m/p-Xylenes	0.829	0.725	0.742	0.708	0.696	0.745	0.741	6.4	
o-Xylene	0.770	0.694	0.711	0.668	0.666	0.706	0.703	5.4	
Styrene	1.261	1.128	1.165	1.131	1.131	1.188	1.167	4.5	
Bromoform	0.207	0.180	0.195	0.189	0.199	0.194	0.194	4.7	
Isopropylbenzene	4.851	4.028	4.070	4.314	3.899	4.251	4.236	8	
1,1,2,2-Tetrachloroethane	0.729	0.646	0.683	0.728	0.676	0.646	0.685	5.4	
1,3-Dichlorobenzene	2.072	1.668	1.839	1.848	1.621	1.719	1.794	9.1	
1,4-Dichlorobenzene	1.938	1.651	1.709	1.730	1.579	1.679	1.714	7.1	
1,2-Dichlorobenzene	1.630	1.401	1.506	1.547	1.414	1.474	1.495	5.7	
1,2-Dibromo-3-Chloropropane	0.130	0.098	0.108	0.119	0.113	0.105	0.112	10	
1,2,4-Trichlorobenzene	0.974	0.841	0.856	0.894	0.900	0.958	0.904	5.9	
1,2,3-Trichlorobenzene	0.817	0.784	0.721	0.748	0.762	0.806	0.773	4.7	
1,2-Dichloroethane-d4	0.609	0.523	0.545	0.636	0.563	0.571	0.574	7.3	
Dibromofluoromethane	0.346	0.347	0.307	0.323	0.288	0.312	0.321	7.2	
Toluene-d8	1.397	1.186	1.208	1.398	1.130	1.259	1.263	8.9	
4-Bromofluorobenzene	0.459	0.381	0.384	0.430	0.369	0.413	0.406	8.5	

* 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.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020338.D
 Acq On : 19 Nov 2024 15:49
 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 11/20/2024

Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 04:33:57 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 20 04:33:54 2024

Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	227223	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	374127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	306982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	140473	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	13832	5.299	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.600%#
35) Dibromofluoromethane	7.634	113	12960	5.402	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.800%#
50) Toluene-d8	10.109	98	52284	5.533	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	11.060%#
62) 4-Bromofluorobenzene	12.408	95	17179	5.655	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	11.300%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	13013	5.900	ug/l	93
3) Chloromethane	2.068	50	22477	3.541	ug/l	98
4) Vinyl Chloride	2.208	62	18543	6.128	ug/l	99
5) Bromomethane	2.605	94	9432	6.242	ug/l	98
6) Chloroethane	2.745	64	12063	6.834	ug/l	94
7) Trichlorofluoromethane	3.068	101	25672	6.106	ug/l	97
8) Diethyl Ether	3.452	74	7250	5.465	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	15136	6.045	ug/l	99
10) Methyl Iodide	4.013	142	19213	5.728	ug/l	98
11) Tert butyl alcohol	4.860	59	7536m	35.866	ug/l	
12) 1,1-Dichloroethene	3.800	96	14708	5.934	ug/l	94
13) Acrolein	3.659	56	4362	26.985	ug/l	95
14) Allyl chloride	4.391	41	29279	6.108	ug/l	93
15) Acrylonitrile	5.061	53	16245	27.700	ug/l	97
16) Acetone	3.867	43	18219	29.112	ug/l	92
17) Carbon Disulfide	4.110	76	49286	5.902	ug/l	99
18) Methyl Acetate	4.397	43	8805	6.036	ug/l	94
19) Methyl tert-butyl Ether	5.122	73	35762	5.554	ug/l	100
20) Methylene Chloride	4.623	84	15740	5.939	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	16393	5.955	ug/l	93
22) Diisopropyl ether	6.019	45	58191	6.160	ug/l	98
23) Vinyl Acetate	5.964	43	152663	28.920	ug/l	98
24) 1,1-Dichloroethane	5.921	63	33199	6.226	ug/l	98
25) 2-Butanone	6.890	43	20288	25.181	ug/l	96
26) 2,2-Dichloropropane	6.890	77	25115	5.698	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	16128	5.319	ug/l	92
28) Bromochloromethane	7.244	49	12131	5.405	ug/l	99
29) Tetrahydrofuran	7.262	42	11283	23.431	ug/l	96
30) Chloroform	7.421	83	27219	5.286	ug/l	100
31) Cyclohexane	7.707	56	29956	6.156	ug/l #	79
32) 1,1,1-Trichloroethane	7.622	97	24268	5.367	ug/l	98
36) 1,1-Dichloropropene	7.835	75	21801	5.950	ug/l	98
37) Ethyl Acetate	6.988	43	7806	4.569	ug/l #	79
38) Carbon Tetrachloride	7.823	117	21497	5.619	ug/l	93
39) Methylcyclohexane	9.110	83	26014	5.673	ug/l	93
40) Benzene	8.079	78	61067	5.687	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020338.D
 Acq On : 19 Nov 2024 15:49
 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 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 04:33:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:33:54 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	5114	5.355	ug/l	92
42) 1,2-Dichloroethane	8.165	62	15552	5.366	ug/l	98
43) Isopropyl Acetate	8.195	43	16024	4.909	ug/l #	87
44) Trichloroethene	8.866	130	14519	5.707	ug/l	93
45) 1,2-Dichloropropane	9.140	63	13999	5.464	ug/l	94
46) Dibromomethane	9.231	93	6930	5.278	ug/l	97
47) Bromodichloromethane	9.420	83	19627	5.415	ug/l	95
48) Methyl methacrylate	9.225	41	7791	4.992	ug/l	94
49) 1,4-Dioxane	9.238	88	1421	105.186	ug/l #	86
51) 4-Methyl-2-Pentanone	10.000	43	39329	23.742	ug/l	99
52) Toluene	10.170	92	36298	5.530	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	19995	5.833	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	20222	5.153	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	9364	5.372	ug/l	94
56) Ethyl methacrylate	10.439	69	14134	5.399	ug/l	97
57) 1,3-Dichloropropane	10.719	76	16257	5.190	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	33342	26.863	ug/l	98
59) 2-Hexanone	10.762	43	26616	22.690	ug/l	99
60) Dibromochloromethane	10.908	129	11937	5.313	ug/l	95
61) 1,2-Dibromoethane	11.018	107	9249	5.726	ug/l	98
64) Tetrachloroethene	10.646	164	12352	5.582	ug/l	95
65) Chlorobenzene	11.444	112	38618	5.642	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	13130	5.742	ug/l	95
67) Ethyl Benzene	11.518	91	71195	5.638	ug/l	100
68) m/p-Xylenes	11.627	106	50872	11.185	ug/l	97
69) o-Xylene	11.957	106	23650	5.482	ug/l	99
70) Styrene	11.969	104	38724	5.403	ug/l	99
71) Bromoform	12.133	173	6352	5.330	ug/l #	96
73) Isopropylbenzene	12.255	105	68143	5.726	ug/l	99
74) N-amyl acetate	12.072	43	12902	4.487	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	10246	5.328	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	5823m	4.398	ug/l	
77) Bromobenzene	12.536	156	13674	5.485	ug/l	99
78) n-propylbenzene	12.597	91	78696	5.511	ug/l	100
79) 2-Chlorotoluene	12.682	91	44055	5.365	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	50883	5.291	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	3305	4.891	ug/l	97
82) 4-Chlorotoluene	12.780	91	46376	5.473	ug/l	97
83) tert-Butylbenzene	12.999	119	45414	5.351	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	50575	5.304	ug/l	100
85) sec-Butylbenzene	13.176	105	81980	6.127	ug/l	98
86) p-Isopropyltoluene	13.292	119	56716	5.483	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	29101	5.773	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	27229	5.653	ug/l	93
89) n-Butylbenzene	13.621	91	54128	5.464	ug/l	99
90) Hexachloroethane	13.883	117	10618	5.318	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	22894	5.451	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1828	5.792	ug/l	94
93) 1,2,4-Trichlorobenzene	14.926	180	13686	5.389	ug/l	97
94) Hexachlorobutadiene	15.029	225	8471	5.465	ug/l	100
95) Naphthalene	15.151	128	20303	4.642	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	11474	5.284	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020338.D
Acq On : 19 Nov 2024 15:49
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 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 04:33:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

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

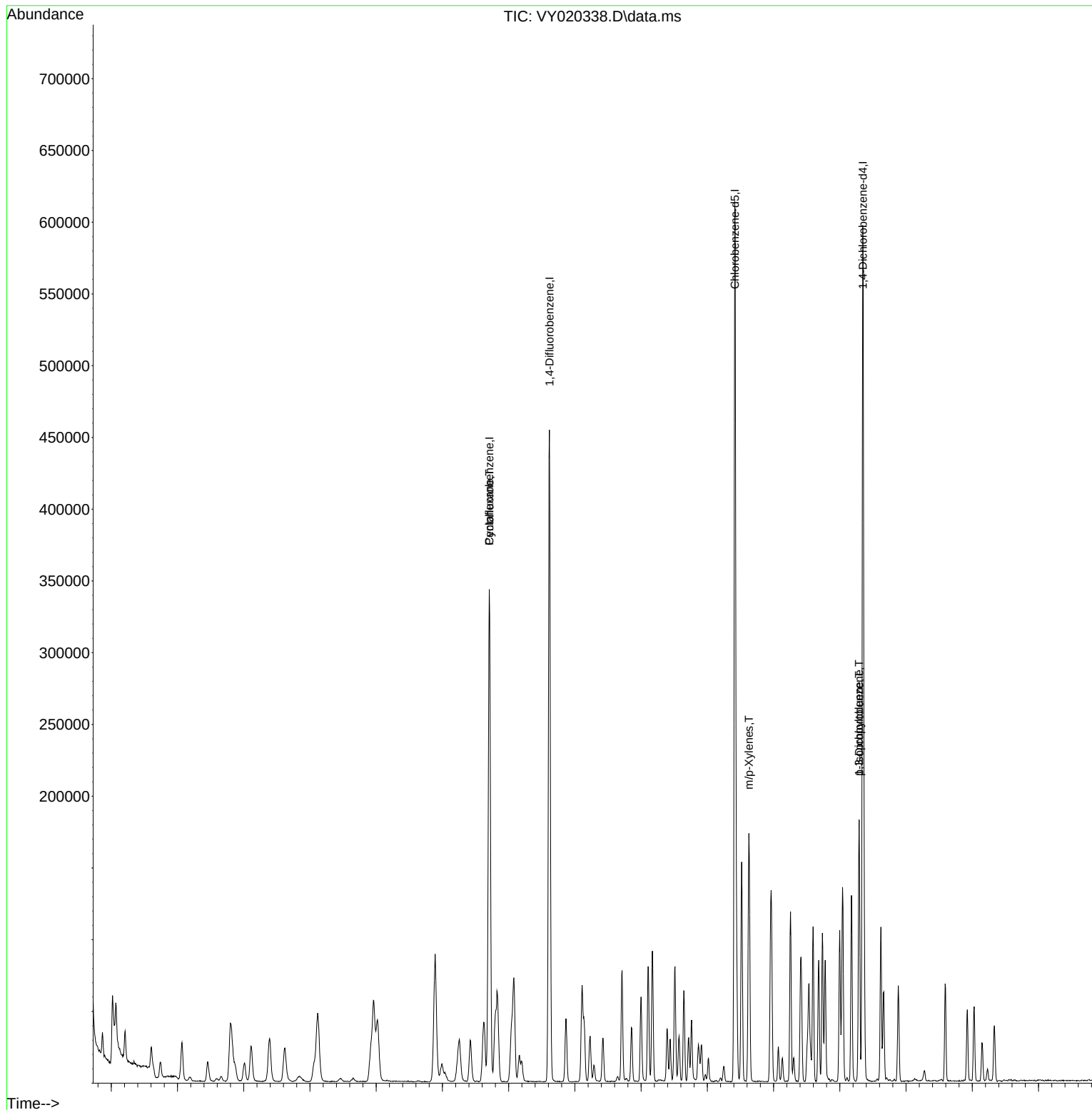
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020338.D
Acq On : 19 Nov 2024 15:49
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By : Romaben Patel 11/20/2024
Supervised By : Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 04:33:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020339.D
 Acq On : 19 Nov 2024 16:12
 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 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 00:58:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 00:48:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	244176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	390316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	319281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	146946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25534	9.102	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	18.200%#		
35) Dibromofluoromethane	7.634	113	27064	10.813	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.620%#		
50) Toluene-d8	10.103	98	92555	9.388	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.780%#		
62) 4-Bromofluorobenzene	12.408	95	29715	9.376	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	18.760%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	21870	9.227	ug/l	97
3) Chloromethane	2.068	50	38473	8.570	ug/l	98
4) Vinyl Chloride	2.208	62	35263	10.845	ug/l	94
5) Bromomethane	2.598	94	19085	11.753	ug/l	95
6) Chloroethane	2.739	64	18368	9.684	ug/l	99
7) Trichlorofluoromethane	3.062	101	42149	9.328	ug/l	99
8) Diethyl Ether	3.458	74	12779	8.964	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	24798	9.215	ug/l	99
10) Methyl Iodide	4.007	142	32100	8.906	ug/l	96
11) Tert butyl alcohol	4.884	59	10698	47.785	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	24035	9.023	ug/l	98
13) Acrolein	3.659	56	7635	43.953	ug/l	96
14) Allyl chloride	4.385	41	47740	9.268	ug/l	93
15) Acrylonitrile	5.067	53	28314	44.928	ug/l	100
16) Acetone	3.872	43	26883	39.974	ug/l	93
17) Carbon Disulfide	4.110	76	79822	8.895	ug/l	99
18) Methyl Acetate	4.397	43	13811	8.810	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	63324	9.152	ug/l	99
20) Methylene Chloride	4.616	84	26668	9.364	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	27492	9.293	ug/l	91
22) Diisopropyl ether	6.018	45	99254	9.778	ug/l	96
23) Vinyl Acetate	5.964	43	270395	47.667	ug/l	98
24) 1,1-Dichloroethane	5.915	63	55718	9.723	ug/l	98
25) 2-Butanone	6.896	43	42909	49.561	ug/l	97
26) 2,2-Dichloropropane	6.884	77	47901	10.114	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	32422	9.950	ug/l	95
28) Bromochloromethane	7.244	49	27023	11.205	ug/l	94
29) Tetrahydrofuran	7.262	42	26874	51.935	ug/l	94
30) Chloroform	7.421	83	56708	10.248	ug/l	93
31) Cyclohexane	7.701	56	54063	10.338	ug/l #	91
32) 1,1,1-Trichloroethane	7.622	97	50897	10.475	ug/l	100
36) 1,1-Dichloropropene	7.835	75	37302	9.758	ug/l	98
37) Ethyl Acetate	6.982	43	19056	10.691	ug/l	100
38) Carbon Tetrachloride	7.817	117	38996	9.770	ug/l	97
39) Methylcyclohexane	9.103	83	45833	9.580	ug/l	99
40) Benzene	8.079	78	107451	9.592	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020339.D
 Acq On : 19 Nov 2024 16:12
 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 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 00:58:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 00:48:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	10243	10.280	ug/l	99
42) 1,2-Dichloroethane	8.158	62	29009	9.593	ug/l	99
43) Isopropyl Acetate	8.201	43	30398	8.926	ug/l #	88
44) Trichloroethene	8.865	130	25870	9.747	ug/l	98
45) 1,2-Dichloropropane	9.140	63	25874	9.680	ug/l	98
46) Dibromomethane	9.231	93	13498	9.853	ug/l	99
47) Bromodichloromethane	9.420	83	35727	9.447	ug/l	99
48) Methyl methacrylate	9.219	41	14343	8.809	ug/l	97
49) 1,4-Dioxane	9.237	88	2821	200.157	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	74041	42.842	ug/l	100
52) Toluene	10.170	92	65234	9.527	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	31288	8.749	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	38511	9.407	ug/l	95
55) 1,1,2-Trichloroethane	10.566	97	17413	9.576	ug/l	97
56) Ethyl methacrylate	10.438	69	23973	8.778	ug/l	99
57) 1,3-Dichloropropane	10.713	76	30481	9.327	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	63051	48.691	ug/l	100
59) 2-Hexanone	10.761	43	52821	43.163	ug/l	100
60) Dibromochloromethane	10.914	129	21348	9.108	ug/l	96
61) 1,2-Dibromoethane	11.011	107	15582	9.247	ug/l	99
64) Tetrachloroethene	10.646	164	21998	9.558	ug/l	99
65) Chlorobenzene	11.438	112	68874	9.675	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	22433	9.433	ug/l	99
67) Ethyl Benzene	11.517	91	126010	9.595	ug/l	97
68) m/p-Xylenes	11.627	106	92641	19.583	ug/l	99
69) o-Xylene	11.950	106	44303	9.874	ug/l	100
70) Styrene	11.969	104	72003	9.659	ug/l	99
71) Bromoform	12.133	173	11513	9.289	ug/l #	98
73) Isopropylbenzene	12.255	105	118383	9.510	ug/l	99
74) N-amyl acetate	12.066	43	25808	8.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	18981	9.435	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	13381m	9.631	ug/l	
77) Bromobenzene	12.529	156	24689	9.467	ug/l	99
78) n-propylbenzene	12.596	91	142756	9.556	ug/l	100
79) 2-Chlorotoluene	12.676	91	78983	9.195	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	92937	9.238	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	6286	8.893	ug/l	99
82) 4-Chlorotoluene	12.779	91	82594	9.317	ug/l	99
83) tert-Butylbenzene	12.999	119	85832	9.668	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	99218	9.948	ug/l	99
85) sec-Butylbenzene	13.176	105	124529	8.898	ug/l	100
86) p-Isopropyltoluene	13.291	119	98901	9.139	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	49013	9.295	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	48510	9.628	ug/l	98
89) n-Butylbenzene	13.621	91	97403	9.399	ug/l	99
90) Hexachloroethane	13.883	117	19103	9.146	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	41163	9.369	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2892	8.760	ug/l	100
93) 1,2,4-Trichlorobenzene	14.925	180	24704	9.299	ug/l	99
94) Hexachlorobutadiene	15.029	225	15256	9.408	ug/l	98
95) Naphthalene	15.145	128	40980	8.957	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	23029	10.139	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020339.D
Acq On : 19 Nov 2024 16:12
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 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 00:58:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

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

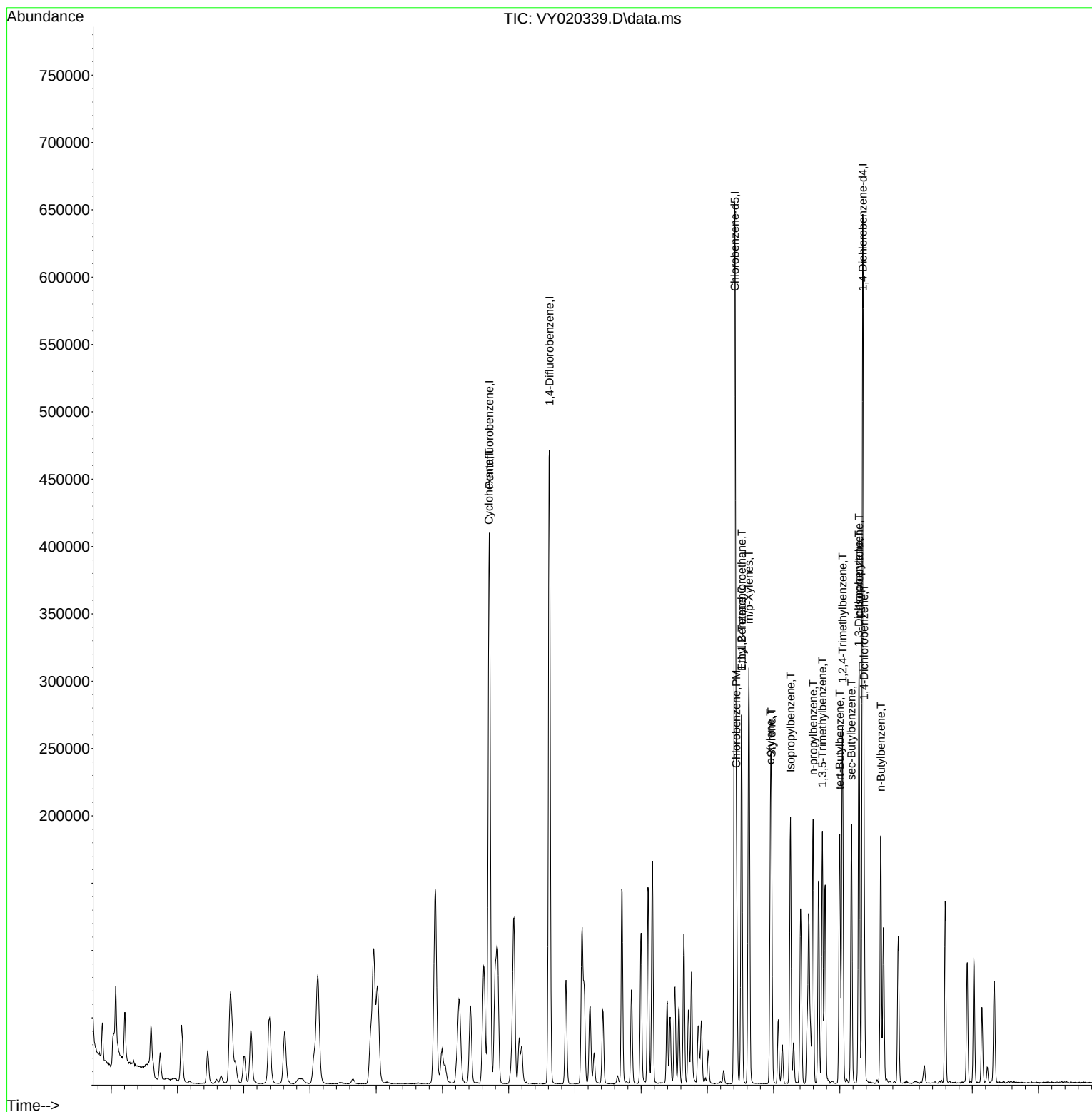
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020339.D
Acq On : 19 Nov 2024 16:12
Operator : SY/MD
Sample : VSTDIC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 00:58:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020340.D
 Acq On : 19 Nov 2024 16:35
 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 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:00:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 00:48:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	236844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	387251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	330555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152521	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	51590	18.960	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	37.920%#
35) Dibromofluoromethane	7.634	113	47609	19.173	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	38.340%#
50) Toluene-d8	10.103	98	187150	19.133	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	38.260%#
62) 4-Bromofluorobenzene	12.402	95	59520	18.928	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	37.860%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	44219	19.234	ug/l	98
3) Chloromethane	2.068	50	72456	21.422	ug/l	98
4) Vinyl Chloride	2.208	62	62913	19.948	ug/l	94
5) Bromomethane	2.598	94	27790	17.643	ug/l	98
6) Chloroethane	2.739	64	34289	18.637	ug/l	95
7) Trichlorofluoromethane	3.062	101	84918	19.375	ug/l	98
8) Diethyl Ether	3.458	74	27857	20.145	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	50736	19.438	ug/l	100
10) Methyl Iodide	4.007	142	68857	19.695	ug/l	98
11) Tert butyl alcohol	4.879	59	21940	103.899	ug/l	96
12) 1,1-Dichloroethene	3.793	96	50747	19.641	ug/l	96
13) Acrolein	3.665	56	16692	99.067	ug/l	93
14) Allyl chloride	4.385	41	102220	20.460	ug/l	92
15) Acrylonitrile	5.061	53	66014	107.992	ug/l	99
16) Acetone	3.873	43	62372	95.616	ug/l	95
17) Carbon Disulfide	4.110	76	165744	19.041	ug/l	98
18) Methyl Acetate	4.385	43	32091	21.105	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	140395	20.918	ug/l	100
20) Methylene Chloride	4.616	84	56330	20.392	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	59438	20.713	ug/l	91
22) Diisopropyl ether	6.019	45	178817	18.162	ug/l	95
23) Vinyl Acetate	5.964	43	505150	91.808	ug/l	100
24) 1,1-Dichloroethane	5.915	63	102627	18.464	ug/l	98
25) 2-Butanone	6.903	43	79554	94.731	ug/l	99
26) 2,2-Dichloropropane	6.890	77	85051	18.513	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	60883	19.263	ug/l	98
28) Bromochloromethane	7.244	49	41798	17.867	ug/l	99
29) Tetrahydrofuran	7.262	42	47318	94.274	ug/l	99
30) Chloroform	7.421	83	101251	18.864	ug/l	98
31) Cyclohexane	7.707	56	95143	18.757	ug/l #	91
32) 1,1,1-Trichloroethane	7.616	97	89105	18.907	ug/l	99
36) 1,1-Dichloropropene	7.835	75	75098	19.801	ug/l	99
37) Ethyl Acetate	6.988	43	34643	19.590	ug/l	98
38) Carbon Tetrachloride	7.823	117	77388	19.543	ug/l	96
39) Methylcyclohexane	9.109	83	94807	19.974	ug/l	98
40) Benzene	8.085	78	223070	20.070	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020340.D
 Acq On : 19 Nov 2024 16:35
 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 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:00:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 00:48:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	18360	18.572	ug/l	94
42) 1,2-Dichloroethane	8.158	62	61623	20.540	ug/l	98
43) Isopropyl Acetate	8.195	43	68510	20.277	ug/l #	86
44) Trichloroethene	8.866	130	53189	20.198	ug/l	93
45) 1,2-Dichloropropane	9.140	63	53935	20.339	ug/l	98
46) Dibromomethane	9.231	93	27481	20.219	ug/l	97
47) Bromodichloromethane	9.420	83	74220	19.781	ug/l	99
48) Methyl methacrylate	9.219	41	31955	19.782	ug/l	99
49) 1,4-Dioxane	9.231	88	5466	390.895	ug/l	90
51) 4-Methyl-2-Pentanone	10.000	43	169490	98.848	ug/l	99
52) Toluene	10.170	92	137874	20.295	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	69154	19.491	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	81594	20.089	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	40747	22.585	ug/l	97
56) Ethyl methacrylate	10.439	69	52436	19.353	ug/l	97
57) 1,3-Dichloropropane	10.713	76	68770	21.210	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	123646	96.241	ug/l	99
59) 2-Hexanone	10.762	43	123944	102.083	ug/l	99
60) Dibromochloromethane	10.908	129	47578	20.459	ug/l	99
61) 1,2-Dibromoethane	11.012	107	34244	20.483	ug/l	99
64) Tetrachloroethene	10.646	164	53034	22.257	ug/l	97
65) Chlorobenzene	11.438	112	143190	19.428	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	47541	19.309	ug/l	99
67) Ethyl Benzene	11.518	91	264743	19.471	ug/l	99
68) m/p-Xylenes	11.627	106	196288	40.078	ug/l	100
69) o-Xylene	11.950	106	94022	20.240	ug/l	97
70) Styrene	11.969	104	154055	19.960	ug/l	99
71) Bromoform	12.133	173	25826	20.127	ug/l #	98
73) Isopropylbenzene	12.255	105	248304	19.218	ug/l	99
74) N-amyl acetate	12.072	43	61053	19.554	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	41646	19.944	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	29239m	20.276	ug/l	
77) Bromobenzene	12.530	156	52340	19.335	ug/l	98
78) n-propylbenzene	12.597	91	303366	19.564	ug/l	99
79) 2-Chlorotoluene	12.676	91	195281	21.904	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	231329	22.154	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14013	19.100	ug/l	98
82) 4-Chlorotoluene	12.773	91	199278	21.658	ug/l	98
83) tert-Butylbenzene	12.999	119	183294	19.892	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	210671	20.350	ug/l	99
85) sec-Butylbenzene	13.176	105	301882	20.781	ug/l	100
86) p-Isopropyltoluene	13.292	119	231391	20.601	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	112176	20.495	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	104265	19.938	ug/l	99
89) n-Butylbenzene	13.615	91	212277	19.735	ug/l	100
90) Hexachloroethane	13.883	117	43848	20.226	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	91859	20.143	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6596	19.250	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	52226	18.941	ug/l	99
94) Hexachlorobutadiene	15.023	225	32319	19.202	ug/l	99
95) Naphthalene	15.145	128	88652	18.669	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	43998	18.662	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020340.D
Acq On : 19 Nov 2024 16:35
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 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:00:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

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

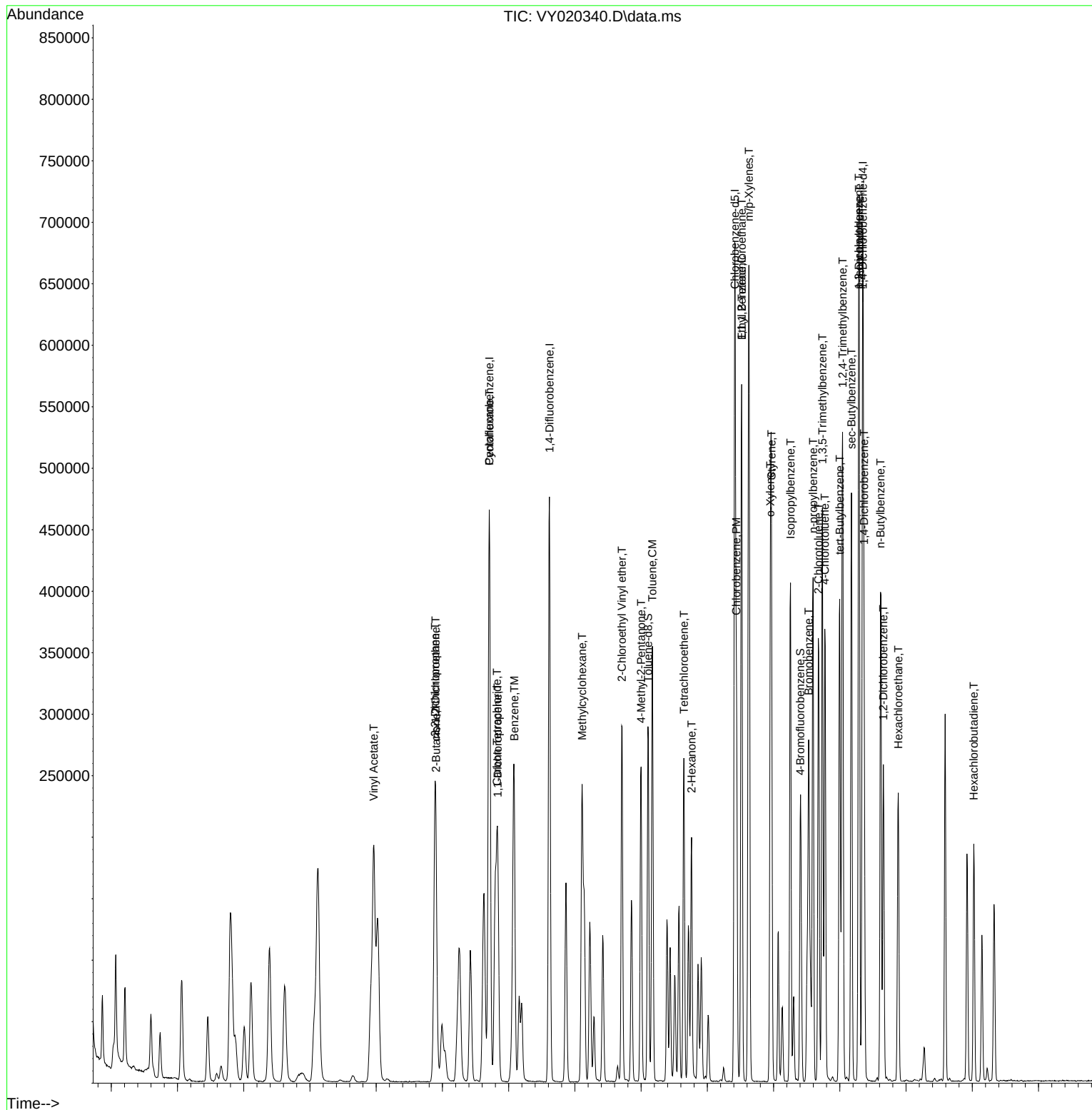
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020340.D
Acq On : 19 Nov 2024 16:35
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:00:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020341.D
 Acq On : 19 Nov 2024 16:57
 Operator : SY/MD
 Sample : VSTDICC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:01:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 00:48:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	227113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	420316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	360842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	149547	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144497	55.378	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.760%
35) Dibromofluoromethane	7.634	113	135608	50.315	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.620%
50) Toluene-d8	10.109	98	587453	55.332	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.660%
62) 4-Bromofluorobenzene	12.402	95	180882	52.998	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	106.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	103026	46.735	ug/l	100
3) Chloromethane	2.068	50	154573	53.880	ug/l	100
4) Vinyl Chloride	2.208	62	141208	46.691	ug/l	100
5) Bromomethane	2.598	94	71314	47.214	ug/l	100
6) Chloroethane	2.739	64	83973	47.597	ug/l	100
7) Trichlorofluoromethane	3.062	101	211527	50.331	ug/l	100
8) Diethyl Ether	3.458	74	69448	52.373	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	134494	53.736	ug/l	100
10) Methyl Iodide	4.007	142	187546	55.942	ug/l	100
11) Tert butyl alcohol	4.879	59	41051	212.148	ug/l	100
12) 1,1-Dichloroethene	3.793	96	133044	53.701	ug/l	100
13) Acrolein	3.659	56	41213	255.080	ug/l	100
14) Allyl chloride	4.391	41	214855	44.846	ug/l	100
15) Acrylonitrile	5.061	53	140610	239.879	ug/l	100
16) Acetone	3.873	43	181648	290.397	ug/l	100
17) Carbon Disulfide	4.110	76	470701	56.393	ug/l	100
18) Methyl Acetate	4.391	43	68494	46.975	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	317819	49.382	ug/l	100
20) Methylene Chloride	4.616	84	129583	48.919	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	136395	49.567	ug/l	100
22) Diisopropyl ether	6.025	45	457338	48.440	ug/l	100
23) Vinyl Acetate	5.964	43	1302817	246.924	ug/l	100
24) 1,1-Dichloroethane	5.921	63	258252	48.453	ug/l	100
25) 2-Butanone	6.896	43	203885	253.183	ug/l	100
26) 2,2-Dichloropropane	6.884	77	217639	49.403	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	156034	51.482	ug/l	100
28) Bromochloromethane	7.244	49	115631	51.546	ug/l	100
29) Tetrahydrofuran	7.268	42	121226	251.872	ug/l	100
30) Chloroform	7.421	83	280651	54.528	ug/l	100
31) Cyclohexane	7.701	56	235065	48.327	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	226463	50.111	ug/l	100
36) 1,1-Dichloropropene	7.841	75	190663	46.316	ug/l	100
37) Ethyl Acetate	6.988	43	89102	46.422	ug/l	100
38) Carbon Tetrachloride	7.823	117	200826	46.725	ug/l	100
39) Methylcyclohexane	9.110	83	245019	47.559	ug/l	100
40) Benzene	8.079	78	566676	46.974	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020341.D
 Acq On : 19 Nov 2024 16:57
 Operator : SY/MD
 Sample : VSTDICC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:01:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 00:48:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	49407	46.047	ug/l	100
42) 1,2-Dichloroethane	8.158	62	152946	46.970	ug/l	100
43) Isopropyl Acetate	8.195	43	177802	48.484	ug/l	100
44) Trichloroethene	8.866	130	134577	47.083	ug/l	100
45) 1,2-Dichloropropane	9.140	63	134142	46.606	ug/l	100
46) Dibromomethane	9.231	93	72212	48.950	ug/l	100
47) Bromodichloromethane	9.420	83	206587	50.729	ug/l	100
48) Methyl methacrylate	9.219	41	84404	48.140	ug/l	100
49) 1,4-Dioxane	9.238	88	14757	972.312	ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	516270	277.407	ug/l	100
52) Toluene	10.170	92	357134	48.435	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	188307	48.898	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	212293	48.156	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	91951	46.957	ug/l	100
56) Ethyl methacrylate	10.439	69	148986	50.661	ug/l	100
57) 1,3-Dichloropropane	10.713	76	175316	49.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	328825	235.811	ug/l	100
59) 2-Hexanone	10.762	43	358788	272.258	ug/l	100
60) Dibromochloromethane	10.908	129	128210	50.796	ug/l	100
61) 1,2-Dibromoethane	11.012	107	91358	50.347	ug/l	100
64) Tetrachloroethene	10.646	164	119531	45.954	ug/l	100
65) Chlorobenzene	11.438	112	412910	51.322	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	133303	49.598	ug/l	100
67) Ethyl Benzene	11.518	91	740094	49.862	ug/l	100
68) m/p-Xylenes	11.627	106	510631	95.509	ug/l	100
69) o-Xylene	11.957	106	241061	47.538	ug/l	100
70) Styrene	11.969	104	408085	48.436	ug/l	100
71) Bromoform	12.133	173	68064	48.591	ug/l	100
73) Isopropylbenzene	12.255	105	645114	50.923	ug/l	100
74) N-ethyl acetate	12.072	43	163678	53.464	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	108812	53.145	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	76443m	54.065	ug/l	
77) Bromobenzene	12.530	156	137993	51.991	ug/l	100
78) n-propylbenzene	12.597	91	777424	51.134	ug/l	100
79) 2-Chlorotoluene	12.682	91	431579	49.371	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	507211	49.541	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	38276	53.209	ug/l	100
82) 4-Chlorotoluene	12.780	91	440797	48.859	ug/l	100
83) tert-Butylbenzene	12.999	119	462472	51.187	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	508985	50.144	ug/l	100
85) sec-Butylbenzene	13.176	105	758609	53.259	ug/l	100
86) p-Isopropyltoluene	13.292	119	576317	52.331	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	276359	51.496	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	258732	50.459	ug/l	100
89) n-Butylbenzene	13.621	91	547533	51.917	ug/l	100
90) Hexachloroethane	13.877	117	115268	54.229	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	231279	51.724	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17802	52.987	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	133647	49.434	ug/l	100
94) Hexachlorobutadiene	15.023	225	80673	48.885	ug/l	100
95) Naphthalene	15.145	128	244680	52.551	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	111791	48.361	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020341.D
Acq On : 19 Nov 2024 16:57
Operator : SY/MD
Sample : VSTDICC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:01:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

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

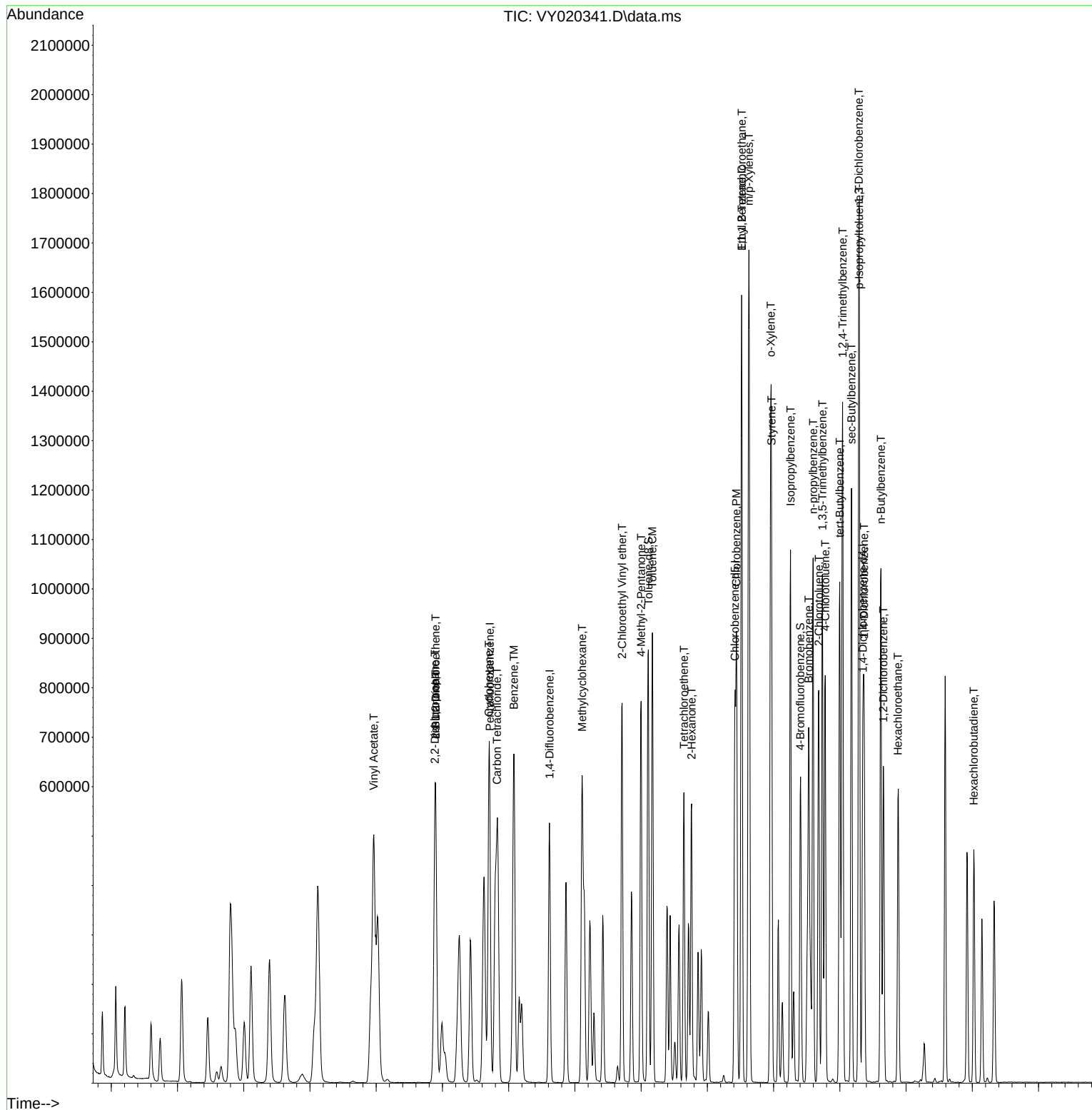
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020341.D
Acq On : 19 Nov 2024 16:57
Operator : SY/MD
Sample : VSTDIC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:01:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020342.D
 Acq On : 19 Nov 2024 17:20
 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 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:02:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 00:48:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	242950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	418120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	343084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	273625	98.031	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 196.060%#			
35) Dibromofluoromethane	7.634	113	241148	89.944	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 179.880%#			
50) Toluene-d8	10.109	98	944968	89.473	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 178.940%#			
62) 4-Bromofluorobenzene	12.401	95	308231	90.785	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 181.580%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.866	85	225851	95.772	ug/l	100
3) Chloromethane	2.068	50	286074	96.926	ug/l	98
4) Vinyl Chloride	2.202	62	278011	85.934	ug/l	100
5) Bromomethane	2.598	94	135928	84.127	ug/l	99
6) Chloroethane	2.738	64	162455	86.079	ug/l	99
7) Trichlorofluoromethane	3.061	101	399021	88.755	ug/l	100
8) Diethyl Ether	3.458	74	138894	97.917	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.817	101	232946	87.004	ug/l	100
10) Methyl Iodide	4.006	142	325705	90.820	ug/l	97
11) Tert butyl alcohol	4.890	59	97795	546.604	ug/l	99
12) 1,1-Dichloroethene	3.793	96	236992	89.422	ug/l	99
13) Acrolein	3.659	56	86380	499.781	ug/l	97
14) Allyl chloride	4.384	41	485310	94.695	ug/l	92
15) Acrylonitrile	5.061	53	322609	514.491	ug/l	99
16) Acetone	3.878	43	343146	512.820	ug/l	98
17) Carbon Disulfide	4.110	76	800247	89.624	ug/l	99
18) Methyl Acetate	4.390	43	159022	101.952	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	681962	99.054	ug/l	97
20) Methylene Chloride	4.616	84	264054	93.186	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	267977	91.038	ug/l	91
22) Diisopropyl ether	6.024	45	982564	97.286	ug/l	98
23) Vinyl Acetate	5.963	43	2923388	517.954	ug/l	98
24) 1,1-Dichloroethane	5.921	63	535189	93.866	ug/l	99
25) 2-Butanone	6.896	43	479489	556.614	ug/l	97
26) 2,2-Dichloropropane	6.890	77	446478	94.743	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	314285	96.937	ug/l	98
28) Bromochloromethane	7.250	49	218420	91.020	ug/l	95
29) Tetrahydrofuran	7.268	42	290644	564.509	ug/l	96
30) Chloroform	7.420	83	516773	93.860	ug/l	98
31) Cyclohexane	7.707	56	470793	90.481	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	456631	94.454	ug/l	99
36) 1,1-Dichloropropene	7.835	75	379162	92.591	ug/l	99
37) Ethyl Acetate	6.988	43	204144	106.917	ug/l	99
38) Carbon Tetrachloride	7.823	117	403792	94.441	ug/l	99
39) Methylcyclohexane	9.109	83	476688	93.013	ug/l	98
40) Benzene	8.079	78	1152457	96.033	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020342.D
 Acq On : 19 Nov 2024 17:20
 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 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:02:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 00:48:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	113838	106.653	ug/l	98
42) 1,2-Dichloroethane	8.158	62	322641	99.603	ug/l	99
43) Isopropyl Acetate	8.201	43	411623	112.833	ug/l	99
44) Trichloroethene	8.865	130	265744	93.462	ug/l	99
45) 1,2-Dichloropropane	9.140	63	279709	97.691	ug/l	100
46) Dibromomethane	9.231	93	145980	99.474	ug/l	99
47) Bromodichloromethane	9.420	83	387534	95.661	ug/l	99
48) Methyl methacrylate	9.219	41	195485	112.081	ug/l	94
49) 1,4-Dioxane	9.243	88	32314	2140.293	ug/l #	82
51) 4-Methyl-2-Pentanone	9.999	43	1025042	553.677	ug/l	99
52) Toluene	10.170	92	692884	94.463	ug/l	99
53) t-1,3-Dichloropropene	10.389	75	380932	99.436	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	442841	100.981	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	185332	95.141	ug/l	100
56) Ethyl methacrylate	10.438	69	307069	104.964	ug/l	99
57) 1,3-Dichloropropane	10.712	76	348373	99.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	700335	504.870	ug/l	98
59) 2-Hexanone	10.761	43	741041	565.275	ug/l	100
60) Dibromochloromethane	10.908	129	248066	98.797	ug/l	99
61) 1,2-Dibromoethane	11.011	107	170430	94.416	ug/l	100
64) Tetrachloroethene	10.645	164	228791	92.512	ug/l	98
65) Chlorobenzene	11.438	112	713827	93.316	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	243130	95.143	ug/l	99
67) Ethyl Benzene	11.517	91	1325393	93.917	ug/l	100
68) m/p-Xylenes	11.627	106	955240	187.918	ug/l	97
69) o-Xylene	11.956	106	457290	94.846	ug/l	98
70) Styrene	11.968	104	776130	96.888	ug/l	98
71) Bromoform	12.133	173	136679	102.627	ug/l #	99
73) Isopropylbenzene	12.255	105	1207507	92.057	ug/l	99
74) N-amyl acetate	12.072	43	360546	113.742	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	209284	98.722	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	155715m	106.363	ug/l	
77) Bromobenzene	12.529	156	262304	95.447	ug/l	96
78) n-propylbenzene	12.596	91	1462491	92.904	ug/l	100
79) 2-Chlorotoluene	12.682	91	837998	92.584	ug/l	99
80) 1,3,5-Trimethylbenzene	12.736	105	977514	92.211	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	79441	106.658	ug/l	97
82) 4-Chlorotoluene	12.779	91	858743	91.930	ug/l	97
83) tert-Butylbenzene	12.999	119	867475	92.729	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	970690	92.360	ug/l	99
85) sec-Butylbenzene	13.175	105	1252922	84.955	ug/l	99
86) p-Isopropyltoluene	13.291	119	1039560	91.166	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	502006	90.342	ug/l	99
88) 1,4-Dichlorobenzene	13.364	146	489016	92.108	ug/l	99
89) n-Butylbenzene	13.620	91	1009278	92.426	ug/l	99
90) Hexachloroethane	13.883	117	202571	92.042	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	437794	94.562	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	35093	100.881	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	278868	99.621	ug/l	99
94) Hexachlorobutadiene	15.023	225	163774	95.847	ug/l	98
95) Naphthalene	15.145	128	532709	110.498	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	235988	98.597	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020342.D
Acq On : 19 Nov 2024 17:20
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 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:02:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

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

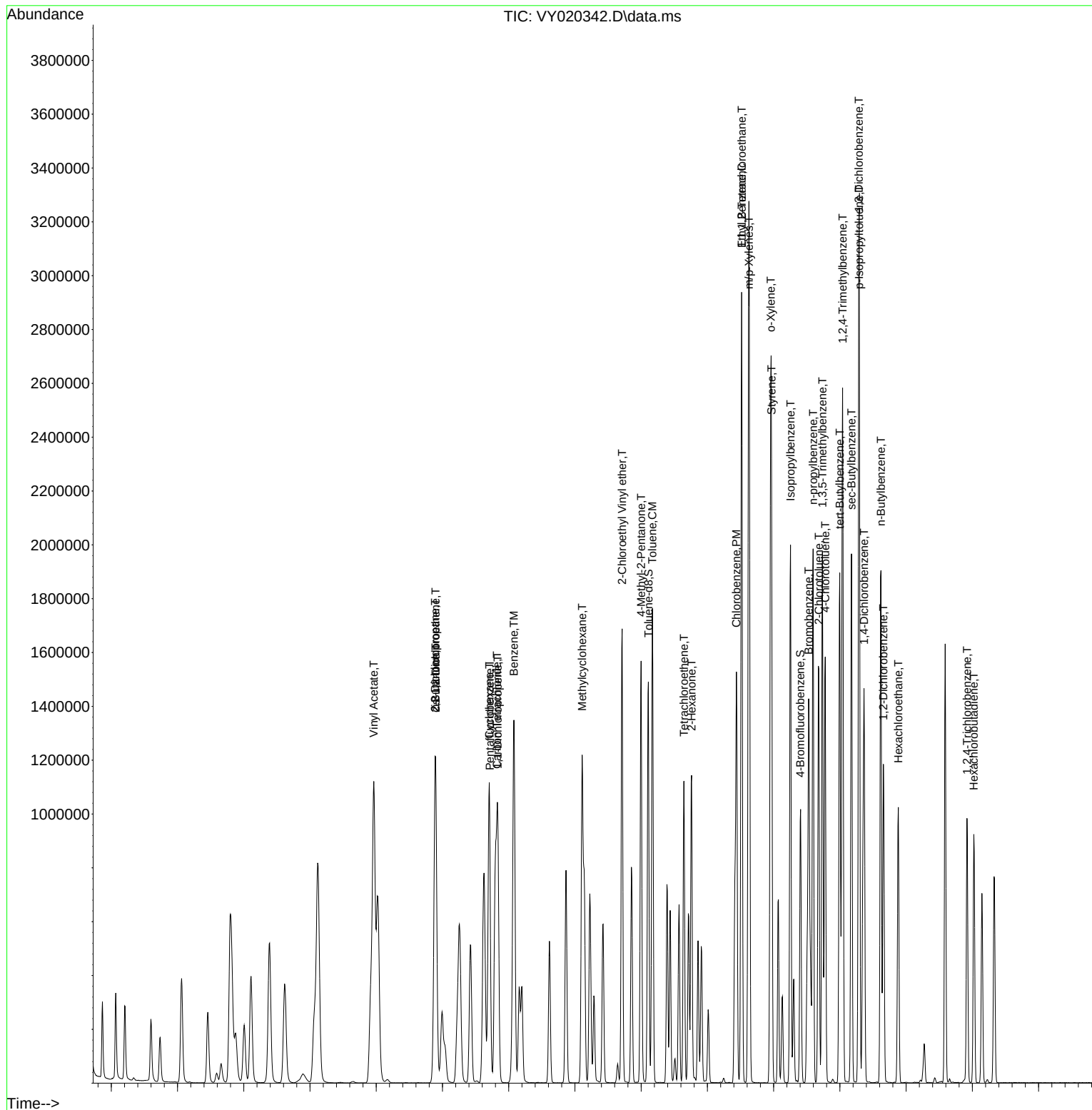
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020342.D
Acq On : 19 Nov 2024 17:20
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:02:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020343.D
 Acq On : 19 Nov 2024 17:42
 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 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:03:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 00:48:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	211886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	350739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	296115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130996	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	363043	149.135	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	298.280%#
35) Dibromofluoromethane	7.634	113	328532	146.077	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	292.160%#
50) Toluene-d8	10.109	98	1324547	149.507	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	299.020%#
62) 4-Bromofluorobenzene	12.407	95	434570	152.587	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	305.180%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	321802	156.466	ug/l	99
3) Chloromethane	2.068	50	381050	150.712	ug/l	97
4) Vinyl Chloride	2.208	62	380588	134.887	ug/l	99
5) Bromomethane	2.598	94	192082	136.310	ug/l	98
6) Chloroethane	2.738	64	227195	138.032	ug/l	99
7) Trichlorofluoromethane	3.062	101	578218	147.470	ug/l	99
8) Diethyl Ether	3.458	74	181261	146.519	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	333758	142.933	ug/l	99
10) Methyl Iodide	4.007	142	446636	142.799	ug/l	97
11) Tert butyl alcohol	4.891	59	104155	729.517	ug/l	99
12) 1,1-Dichloroethene	3.793	96	333059	144.094	ug/l	100
13) Acrolein	3.659	56	116557	773.250	ug/l	100
14) Allyl chloride	4.384	41	660146	147.694	ug/l	93
15) Acrylonitrile	5.061	53	379392	693.752	ug/l	99
16) Acetone	3.872	43	390697	669.485	ug/l	97
17) Carbon Disulfide	4.110	76	1114337	143.098	ug/l	100
18) Methyl Acetate	4.384	43	183151	134.637	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	855630	142.499	ug/l	98
20) Methylene Chloride	4.616	84	350664	141.893	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	362921	141.368	ug/l	93
22) Diisopropyl ether	6.024	45	1242472	141.056	ug/l	97
23) Vinyl Acetate	5.963	43	3500470	711.125	ug/l	99
24) 1,1-Dichloroethane	5.921	63	709814	142.745	ug/l	99
25) 2-Butanone	6.896	43	523049	696.197	ug/l	99
26) 2,2-Dichloropropane	6.884	77	608998	148.175	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	415289	146.869	ug/l	98
28) Bromochloromethane	7.250	49	302639	144.606	ug/l	97
29) Tetrahydrofuran	7.268	42	318185	708.605	ug/l	96
30) Chloroform	7.427	83	681143	141.851	ug/l	99
31) Cyclohexane	7.701	56	630214	138.877	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	624176	148.040	ug/l	98
36) 1,1-Dichloropropene	7.835	75	511136	148.798	ug/l	99
37) Ethyl Acetate	6.988	43	224596	140.226	ug/l	99
38) Carbon Tetrachloride	7.823	117	561195	156.470	ug/l	97
39) Methylcyclohexane	9.109	83	662542	154.113	ug/l	95
40) Benzene	8.085	78	1510257	150.024	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020343.D
 Acq On : 19 Nov 2024 17:42
 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 11/20/2024

Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:03:08 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 20 00:48:27 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	132286	147.746	ug/l	94
42) 1,2-Dichloroethane	8.158	62	409666	150.765	ug/l	99
43) Isopropyl Acetate	8.195	43	465329	152.060	ug/l #	89
44) Trichloroethene	8.865	130	356988	149.672	ug/l	99
45) 1,2-Dichloropropane	9.140	63	365003	151.971	ug/l	98
46) Dibromomethane	9.231	93	179946	146.176	ug/l	99
47) Bromodichloromethane	9.420	83	515924	151.819	ug/l	97
48) Methyl methacrylate	9.219	41	229979	157.189	ug/l	95
49) 1,4-Dioxane	9.237	88	35246	2782.975	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	1150805	741.026	ug/l	100
52) Toluene	10.170	92	935063	151.970	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	487634	151.743	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	580042	157.678	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	232403	142.225	ug/l	99
56) Ethyl methacrylate	10.438	69	372428	151.763	ug/l	99
57) 1,3-Dichloropropane	10.713	76	430536	146.608	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	904374	777.210	ug/l	99
59) 2-Hexanone	10.761	43	815456	741.541	ug/l	99
60) Dibromochloromethane	10.908	129	315843	149.957	ug/l	99
61) 1,2-Dibromoethane	11.011	107	216859	143.217	ug/l	100
64) Tetrachloroethene	10.646	164	310822	145.616	ug/l	98
65) Chlorobenzene	11.438	112	963689	145.962	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	330635	149.908	ug/l	98
67) Ethyl Benzene	11.517	91	1832488	150.446	ug/l	100
68) m/p-Xylenes	11.627	106	1323776	301.724	ug/l	97
69) o-Xylene	11.956	106	627311	150.747	ug/l	97
70) Styrene	11.968	104	1055739	152.698	ug/l	98
71) Bromoform	12.127	173	172522	150.087	ug/l #	99
73) Isopropylbenzene	12.255	105	1670748	150.561	ug/l	100
74) N-amyl acetate	12.066	43	426531	159.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	253871	141.554	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	182550m	147.393	ug/l	
77) Bromobenzene	12.529	156	347120	149.303	ug/l	97
78) n-propylbenzene	12.596	91	2022361	151.856	ug/l	100
79) 2-Chlorotoluene	12.682	91	1147443	149.851	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1341749	149.611	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	98926	156.997	ug/l	96
82) 4-Chlorotoluene	12.779	91	1178773	149.162	ug/l	97
83) tert-Butylbenzene	12.999	119	1207733	152.603	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	1334165	150.053	ug/l	99
85) sec-Butylbenzene	13.176	105	1742388	139.651	ug/l	99
86) p-Isopropyltoluene	13.291	119	1448758	150.180	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	675457	143.686	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	659854	146.911	ug/l	99
89) n-Butylbenzene	13.621	91	1410591	152.692	ug/l	99
90) Hexachloroethane	13.883	117	280814	150.820	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	579091	147.851	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	41248	140.161	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	376647	159.045	ug/l	100
94) Hexachlorobutadiene	15.029	225	232003	160.494	ug/l	99
95) Naphthalene	15.145	128	664631	162.960	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	316780	156.446	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020343.D
Acq On : 19 Nov 2024 17:42
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 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:03:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

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

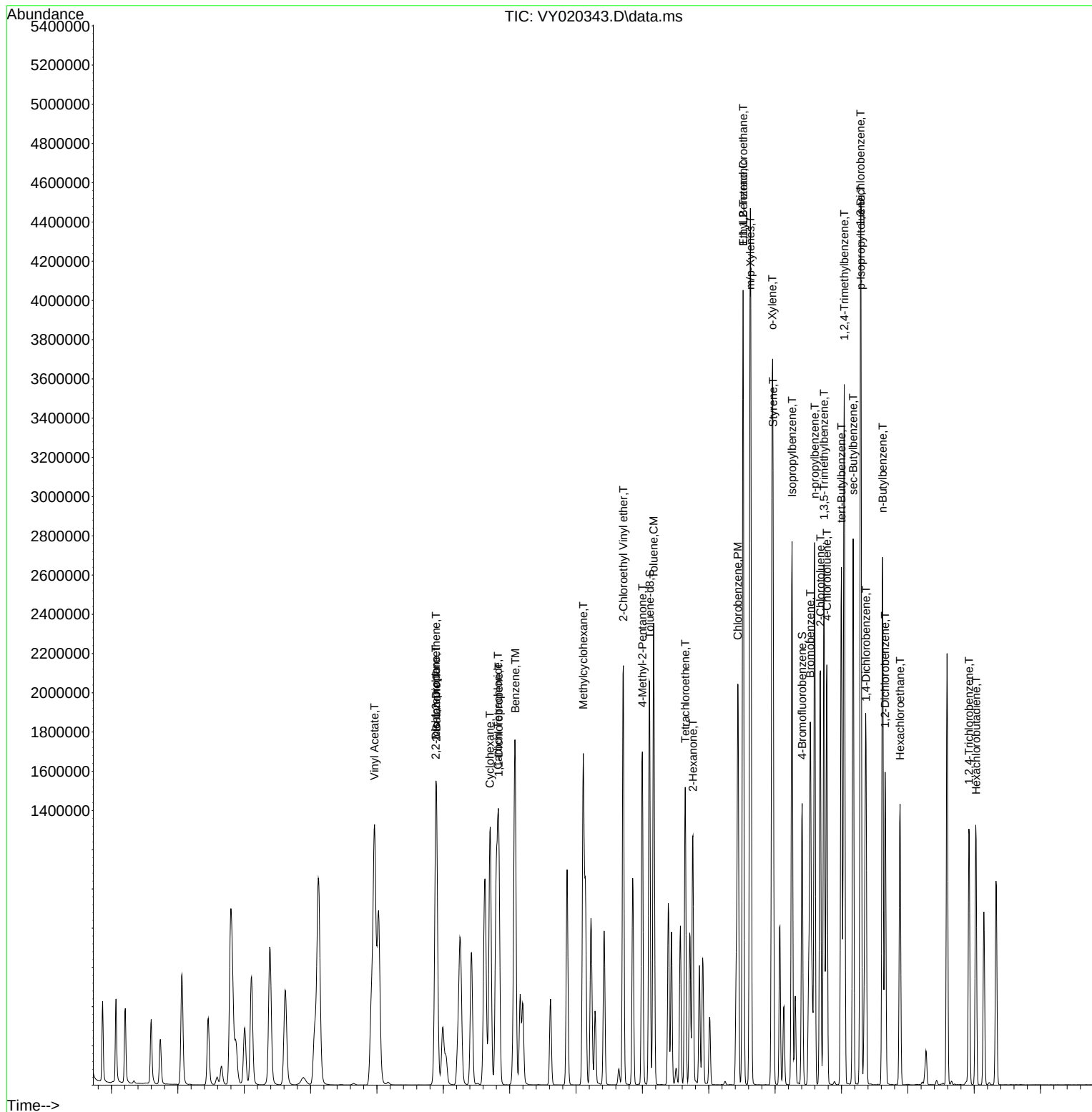
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020343.D
 Acq On : 19 Nov 2024 17:42
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:03:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 00:48:27 2024
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020345.D
 Acq On : 19 Nov 2024 18:52
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY111924

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 04:42:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:33:54 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	218521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	364341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	309693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	110537	44.029	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.060%		
35) Dibromofluoromethane	7.634	113	97280	41.639	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.280%		
50) Toluene-d8	10.103	98	388428	42.207	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	84.420%		
62) 4-Bromofluorobenzene	12.408	95	130125	43.984	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	87.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	111072	52.365	ug/l	97
3) Chloromethane	2.068	50	125077	44.505	ug/l	99
4) Vinyl Chloride	2.208	62	123286	42.368	ug/l	99
5) Bromomethane	2.598	94	68717	47.284	ug/l	99
6) Chloroethane	2.739	64	75903	44.715	ug/l	99
7) Trichlorofluoromethane	3.062	101	199645	49.372	ug/l	99
8) Diethyl Ether	3.458	74	62415	48.920	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	113049	46.944	ug/l	98
10) Methyl Iodide	4.007	142	155561	48.226	ug/l	96
11) Tert butyl alcohol	4.872	59	41539	224.231	ug/l	100
12) 1,1-Dichloroethene	3.793	96	112225	47.078	ug/l	95
13) Acrolein	3.659	56	41518	267.071	ug/l	100
14) Allyl chloride	4.385	41	220954	47.933	ug/l	94
15) Acrylonitrile	5.061	53	143447	254.341	ug/l	99
16) Acetone	3.873	43	143018	237.630	ug/l	98
17) Carbon Disulfide	4.110	76	373607	46.520	ug/l	99
18) Methyl Acetate	4.385	43	70746	50.427	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	308971	49.895	ug/l	98
20) Methylene Chloride	4.616	84	123291	48.374	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	124677	47.091	ug/l	92
22) Diisopropyl ether	6.025	45	437612	48.173	ug/l	97
23) Vinyl Acetate	5.964	43	1280046	252.147	ug/l	99
24) 1,1-Dichloroethane	5.915	63	244354	47.648	ug/l	98
25) 2-Butanone	6.896	43	202028	260.742	ug/l	99
26) 2,2-Dichloropropane	6.890	77	205933	48.584	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	145516	49.900	ug/l	99
28) Bromochloromethane	7.250	49	103614	48.005	ug/l	96
29) Tetrahydrofuran	7.262	42	124725	269.331	ug/l	97
30) Chloroform	7.421	83	238810	48.223	ug/l	97
31) Cyclohexane	7.701	56	224125	47.890	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	219357	50.447	ug/l	97
36) 1,1-Dichloropropene	7.835	75	177989	49.880	ug/l	99
37) Ethyl Acetate	6.988	43	89280	54.618	ug/l	99
38) Carbon Tetrachloride	7.823	117	194915	52.317	ug/l	99
39) Methylcyclohexane	9.110	83	229207	51.325	ug/l	98
40) Benzene	8.079	78	531435	50.820	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020345.D
 Acq On : 19 Nov 2024 18:52
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY111924

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 04:42:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:33:54 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	51821	55.717	ug/l	96
42) 1,2-Dichloroethane	8.158	62	148909	52.755	ug/l	99
43) Isopropyl Acetate	8.195	43	177020	55.687	ug/l	99
44) Trichloroethene	8.866	130	124155	50.110	ug/l	95
45) 1,2-Dichloropropane	9.140	63	126442	50.680	ug/l	99
46) Dibromomethane	9.231	93	64729	50.618	ug/l	99
47) Bromodichloromethane	9.420	83	180213	51.051	ug/l	98
48) Methyl methacrylate	9.219	41	84558	55.637	ug/l	95
49) 1,4-Dioxane	9.238	88	13548	1029.795	ug/l	90
51) 4-Methyl-2-Pentanone	10.000	43	442279	274.160	ug/l	100
52) Toluene	10.170	92	326653	51.107	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	172434	51.655	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	202123	52.893	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	85673	50.472	ug/l	98
56) Ethyl methacrylate	10.439	69	136602	53.587	ug/l	99
57) 1,3-Dichloropropane	10.713	76	159236	52.199	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	300898	248.935	ug/l	100
59) 2-Hexanone	10.762	43	313607	274.534	ug/l	99
60) Dibromochloromethane	10.908	129	114042	52.124	ug/l	99
61) 1,2-Dibromoethane	11.012	107	79188	50.344	ug/l	98
64) Tetrachloroethene	10.646	164	109940	49.247	ug/l	98
65) Chlorobenzene	11.438	112	338718	49.054	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.512	131	115723	50.168	ug/l	99
67) Ethyl Benzene	11.518	91	635246	49.867	ug/l	100
68) m/p-Xylenes	11.627	106	465220	101.387	ug/l	97
69) o-Xylene	11.957	106	221747	50.951	ug/l	99
70) Styrene	11.969	104	371095	51.321	ug/l	98
71) Bromoform	12.133	173	63418	52.752	ug/l #	99
73) Isopropylbenzene	12.255	105	592489	49.433	ug/l	100
74) N-ethyl acetate	12.072	43	158787	54.821	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	97478	50.321	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	71473m	53.595	ug/l	
77) Bromobenzene	12.530	156	124523	49.588	ug/l	96
78) n-propylbenzene	12.597	91	717478	49.879	ug/l	100
79) 2-Chlorotoluene	12.676	91	407383	49.257	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	478483	49.396	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	34976	51.391	ug/l	99
82) 4-Chlorotoluene	12.780	91	419222	49.114	ug/l	97
83) tert-Butylbenzene	12.999	119	433770	50.744	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	475972	49.562	ug/l	99
85) sec-Butylbenzene	13.176	105	620804	46.067	ug/l	100
86) p-Isopropyltoluene	13.292	119	516099	49.532	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	242241	47.709	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	239050	49.275	ug/l	99
89) n-Butylbenzene	13.615	91	497286	49.838	ug/l	99
90) Hexachloroethane	13.877	117	97244	48.355	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	212235	50.169	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15688	49.354	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	133013	52.001	ug/l	100
94) Hexachlorobutadiene	15.023	225	82641	52.929	ug/l	99
95) Naphthalene	15.145	128	250875	56.950	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	112500	51.439	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020345.D
Acq On : 19 Nov 2024 18:52
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY111924

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 04:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

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

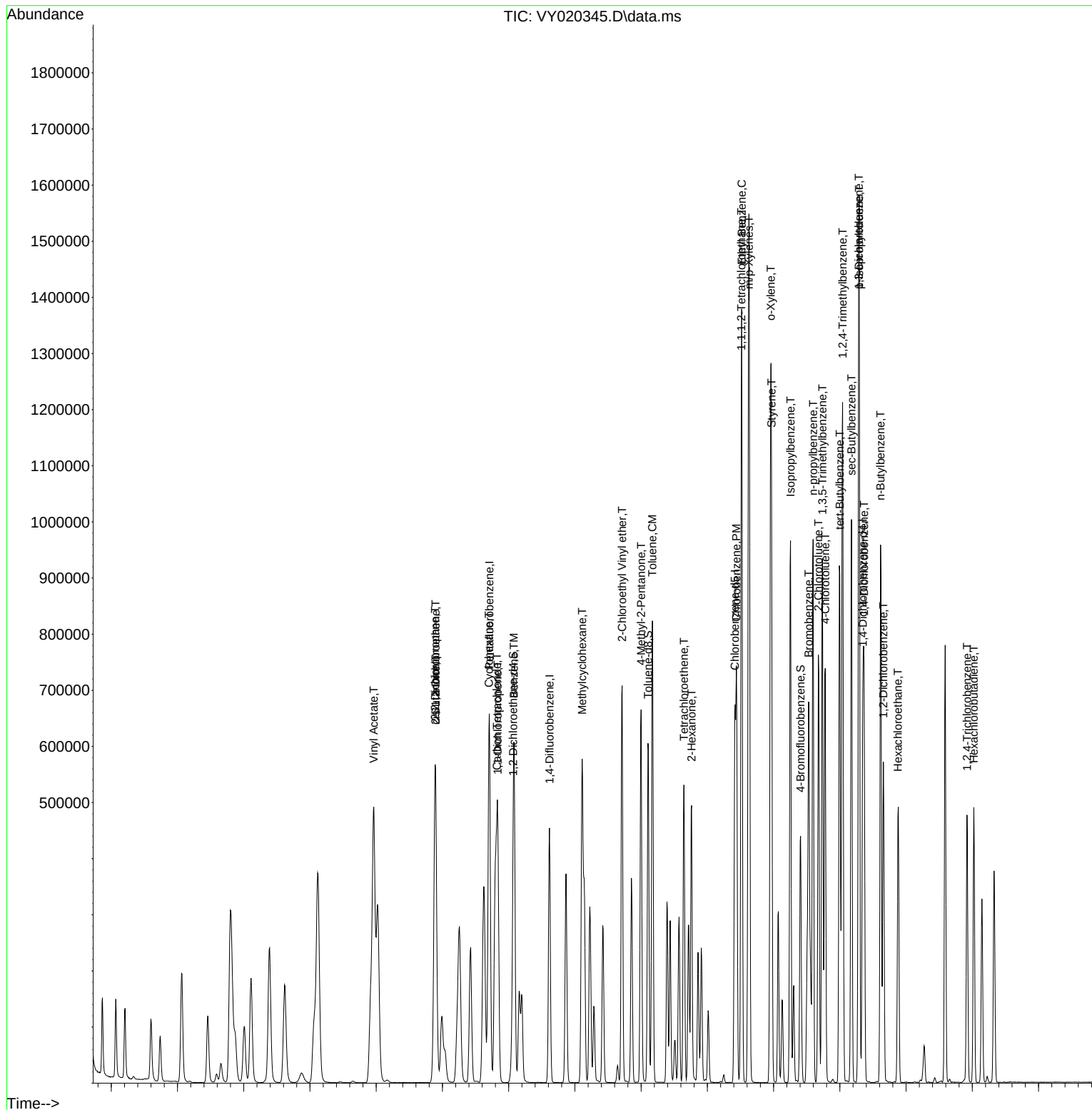
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020345.D
 Acq On : 19 Nov 2024 18:52
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY111924

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 04:42:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:33:54 2024
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020345.D
 Acq On : 19 Nov 2024 18:52
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY111924

Quant Time: Nov 20 04:42:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:33:54 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	96	0.00
2 T	Dichlorodifluoromethane	0.485	0.508	-4.7	108	0.00
3 P	Chloromethane	0.735	0.572	22.2	81	0.00
4 C	Vinyl Chloride	0.666	0.564	15.3#	87	0.00
5 T	Bromomethane	0.333	0.314	5.7	96	0.00
6 T	Chloroethane	0.388	0.347	10.6	90	0.00
7 T	Trichlorofluoromethane	0.925	0.914	1.2	94	0.00
8 T	Diethyl Ether	0.292	0.286	2.1	90	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.517	6.2	84	0.00
10 T	Methyl Iodide	0.738	0.712	3.5	83	0.00
11 T	Tert butyl alcohol	0.044	0.038	13.6	101	0.00
12 CM	1,1-Dichloroethene	0.545	0.514	5.7#	84	0.00
13 T	Acrolein	0.036	0.038	-5.6	101	0.00
14 T	Allyl chloride	1.055	1.011	4.2	103	0.00
15 T	Acrylonitrile	0.129	0.131	-1.6	102	0.00
16 T	Acetone	0.138	0.131	5.1	79	0.00
17 T	Carbon Disulfide	1.838	1.710	7.0	79	0.00
18 T	Methyl Acetate	0.321	0.324	-0.9	103	0.00
19 T	Methyl tert-butyl Ether	1.417	1.414	0.2	97	0.00
20 T	Methylene Chloride	0.583	0.564	3.3	95	0.00
21 T	trans-1,2-Dichloroethene	0.606	0.571	5.8	91	0.00
22 T	Diisopropyl ether	2.079	2.003	3.7	96	0.00
23 T	Vinyl Acetate	1.162	1.172	-0.9	98	0.00
24 P	1,1-Dichloroethane	1.173	1.118	4.7	95	0.00
25 T	2-Butanone	0.177	0.185	-4.5	99	0.00
26 T	2,2-Dichloropropane	0.970	0.942	2.9	95	0.00
27 T	cis-1,2-Dichloroethene	0.667	0.666	0.1	93	0.00
28 T	Bromochloromethane	0.494	0.474	4.0	90	0.00
29 T	Tetrahydrofuran	0.106	0.114	-7.5	103	0.00
30 C	Chloroform	1.133	1.093	3.5#	85	0.00
31 T	Cyclohexane	1.071	1.026	4.2	95	0.00
32 T	1,1,1-Trichloroethane	0.995	1.004	-0.9	97	0.00
33 S	1,2-Dichloroethane-d4	0.574	0.506	11.8	76	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35 S	Dibromofluoromethane	0.321	0.267	16.8	72	0.00
36 T	1,1-Dichloropropene	0.490	0.489	0.2	93	0.00
37 T	Ethyl Acetate	0.224	0.245	-9.4	100	0.00
38 T	Carbon Tetrachloride	0.511	0.535	-4.7	97	0.00
39 T	Methylcyclohexane	0.613	0.629	-2.6	94	0.00
40 TM	Benzene	1.435	1.459	-1.7	94	0.00
41 T	Methacrylonitrile	0.128	0.142	-10.9	105	0.00
42 TM	1,2-Dichloroethane	0.387	0.409	-5.7	97	0.00
43 T	Isopropyl Acetate	0.436	0.486	-11.5	100	0.00
44 TM	Trichloroethene	0.340	0.341	-0.3	92	0.00
45 C	1,2-Dichloropropane	0.342	0.347	-1.5#	94	0.00
46 T	Dibromomethane	0.175	0.178	-1.7	90	0.00
47 T	Bromodichloromethane	0.484	0.495	-2.3	87	0.00
48 T	Methyl methacrylate	0.209	0.232	-11.0	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020345.D
 Acq On : 19 Nov 2024 18:52
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY111924

Quant Time: Nov 20 04:42:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:33:54 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	92	0.00
50 S	Toluene-d8	1.263	1.066	15.6	66	0.00
51 T	4-Methyl-2-Pentanone	0.221	0.243	-10.0	86	0.00
52 CM	Toluene	0.877	0.897	-2.3#	91	0.00
53 T	t-1,3-Dichloropropene	0.458	0.473	-3.3	92	0.00
54 T	cis-1,3-Dichloropropene	0.524	0.555	-5.9	95	0.00
55 T	1,1,2-Trichloroethane	0.233	0.235	-0.9	93	0.00
56 T	Ethyl methacrylate	0.350	0.375	-7.1	92	0.00
57 T	1,3-Dichloropropane	0.419	0.437	-4.3	91	0.00
58 T	2-Chloroethyl Vinyl ether	0.166	0.165	0.6	92	0.00
59 T	2-Hexanone	0.157	0.172	-9.6	87	0.00
60 T	Dibromochloromethane	0.300	0.313	-4.3	89	0.00
61 T	1,2-Dibromoethane	0.216	0.217	-0.5	87	0.00
62 S	4-Bromofluorobenzene	0.406	0.357	12.1	72	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64 T	Tetrachloroethene	0.360	0.355	1.4	92	0.00
65 PM	Chlorobenzene	1.115	1.094	1.9	82	0.00
66 T	1,1,1,2-Tetrachloroethane	0.372	0.374	-0.5	87	0.00
67 C	Ethyl Benzene	2.057	2.051	0.3#	86	0.00
68 T	m/p-Xylenes	0.741	0.751	-1.3	91	0.00
69 T	o-Xylene	0.703	0.716	-1.8	92	0.00
70 T	Styrene	1.167	1.198	-2.7	91	0.00
71 P	Bromoform	0.194	0.205	-5.7	93	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73 T	Isopropylbenzene	4.236	4.188	1.1	92	0.00
74 T	N-amyl acetate	1.024	1.122	-9.6	97	0.00
75 P	1,1,2,2-Tetrachloroethane	0.685	0.689	-0.6	90	0.00
76 T	1,2,3-Trichloropropane	0.471	0.505	-7.2	93	0.00
77 T	Bromobenzene	0.887	0.880	0.8	90	0.00
78 T	n-propylbenzene	5.083	5.071	0.2	92	0.00
79 T	2-Chlorotoluene	2.923	2.879	1.5	94	0.00
80 T	1,3,5-Trimethylbenzene	3.423	3.382	1.2	94	0.00
81 T	trans-1,4-Dichloro-2-butene	0.241	0.247	-2.5	91	0.00
82 T	4-Chlorotoluene	3.016	2.963	1.8	95	0.00
83 T	tert-Butylbenzene	3.021	3.066	-1.5	94	0.00
84 T	1,2,4-Trimethylbenzene	3.394	3.364	0.9	94	0.00
85 T	sec-Butylbenzene	4.762	4.388	7.9	82	0.00
86 T	p-Isopropyltoluene	3.682	3.648	0.9	90	0.00
87 T	1,3-Dichlorobenzene	1.794	1.712	4.6	88	0.00
88 T	1,4-Dichlorobenzene	1.714	1.690	1.4	92	0.00
89 T	n-Butylbenzene	3.526	3.515	0.3	91	0.00
90 T	Hexachloroethane	0.711	0.687	3.4	84	0.00
91 T	1,2-Dichlorobenzene	1.495	1.500	-0.3	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.112	0.111	0.9	88	0.00
93 T	1,2,4-Trichlorobenzene	0.904	0.940	-4.0	100	0.00
94 T	Hexachlorobutadiene	0.552	0.584	-5.8	102	0.00
95 T	Naphthalene	1.557	1.773	-13.9	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020345.D
Acq On : 19 Nov 2024 18:52
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY111924

Quant Time: Nov 20 04:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 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	0.773	0.795	-2.8	101	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020345.D
 Acq On : 19 Nov 2024 18:52
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY111924

Quant Time: Nov 20 04:42:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:33:54 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	96	0.00
2 T	Dichlorodifluoromethane	50.000	52.365	-4.7	108	0.00
3 P	Chloromethane	50.000	44.505	11.0	81	0.00
4 C	Vinyl Chloride	50.000	42.368	15.3#	87	0.00
5 T	Bromomethane	50.000	47.284	5.4	96	0.00
6 T	Chloroethane	50.000	44.715	10.6	90	0.00
7 T	Trichlorofluoromethane	50.000	49.372	1.3	94	0.00
8 T	Diethyl Ether	50.000	48.920	2.2	90	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.944	6.1	84	0.00
10 T	Methyl Iodide	50.000	48.226	3.5	83	0.00
11 T	Tert butyl alcohol	250.000	224.231	10.3	101	0.00
12 CM	1,1-Dichloroethene	50.000	47.078	5.8#	84	0.00
13 T	Acrolein	250.000	267.071	-6.8	101	0.00
14 T	Allyl chloride	50.000	47.933	4.1	103	0.00
15 T	Acrylonitrile	250.000	254.341	-1.7	102	0.00
16 T	Acetone	250.000	237.630	4.9	79	0.00
17 T	Carbon Disulfide	50.000	46.520	7.0	79	0.00
18 T	Methyl Acetate	50.000	50.427	-0.9	103	0.00
19 T	Methyl tert-butyl Ether	50.000	49.895	0.2	97	0.00
20 T	Methylene Chloride	50.000	48.374	3.3	95	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.091	5.8	91	0.00
22 T	Diisopropyl ether	50.000	48.173	3.7	96	0.00
23 T	Vinyl Acetate	250.000	252.147	-0.9	98	0.00
24 P	1,1-Dichloroethane	50.000	47.648	4.7	95	0.00
25 T	2-Butanone	250.000	260.742	-4.3	99	0.00
26 T	2,2-Dichloropropane	50.000	48.584	2.8	95	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.900	0.2	93	0.00
28 T	Bromochloromethane	50.000	48.005	4.0	90	0.00
29 T	Tetrahydrofuran	250.000	269.331	-7.7	103	0.00
30 C	Chloroform	50.000	48.223	3.6#	85	0.00
31 T	Cyclohexane	50.000	47.890	4.2	95	0.00
32 T	1,1,1-Trichloroethane	50.000	50.447	-0.9	97	0.00
33 S	1,2-Dichloroethane-d4	50.000	44.029	11.9	76	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35 S	Dibromofluoromethane	50.000	41.639	16.7	72	0.00
36 T	1,1-Dichloropropene	50.000	49.880	0.2	93	0.00
37 T	Ethyl Acetate	50.000	54.618	-9.2	100	0.00
38 T	Carbon Tetrachloride	50.000	52.317	-4.6	97	0.00
39 T	Methylcyclohexane	50.000	51.325	-2.7	94	0.00
40 TM	Benzene	50.000	50.820	-1.6	94	0.00
41 T	Methacrylonitrile	50.000	55.717	-11.4	105	0.00
42 TM	1,2-Dichloroethane	50.000	52.755	-5.5	97	0.00
43 T	Isopropyl Acetate	50.000	55.687	-11.4	100	0.00
44 TM	Trichloroethene	50.000	50.110	-0.2	92	0.00
45 C	1,2-Dichloropropane	50.000	50.680	-1.4#	94	0.00
46 T	Dibromomethane	50.000	50.618	-1.2	90	0.00
47 T	Bromodichloromethane	50.000	51.051	-2.1	87	0.00
48 T	Methyl methacrylate	50.000	55.637	-11.3	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
 Data File : VY020345.D
 Acq On : 19 Nov 2024 18:52
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY111924

Quant Time: Nov 20 04:42:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:33:54 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	1029.795	-3.0	92	0.00
50 S	Toluene-d8	50.000	42.207	15.6	66	0.00
51 T	4-Methyl-2-Pentanone	250.000	274.160	-9.7	86	0.00
52 CM	Toluene	50.000	51.107	-2.2#	91	0.00
53 T	t-1,3-Dichloropropene	50.000	51.655	-3.3	92	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.893	-5.8	95	0.00
55 T	1,1,2-Trichloroethane	50.000	50.472	-0.9	93	0.00
56 T	Ethyl methacrylate	50.000	53.587	-7.2	92	0.00
57 T	1,3-Dichloropropane	50.000	52.199	-4.4	91	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	248.935	0.4	92	0.00
59 T	2-Hexanone	250.000	274.534	-9.8	87	0.00
60 T	Dibromochloromethane	50.000	52.124	-4.2	89	0.00
61 T	1,2-Dibromoethane	50.000	50.344	-0.7	87	0.00
62 S	4-Bromofluorobenzene	50.000	43.984	12.0	72	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64 T	Tetrachloroethene	50.000	49.247	1.5	92	0.00
65 PM	Chlorobenzene	50.000	49.054	1.9	82	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.168	-0.3	87	0.00
67 C	Ethyl Benzene	50.000	49.867	0.3#	86	0.00
68 T	m/p-Xylenes	100.000	101.387	-1.4	91	0.00
69 T	o-Xylene	50.000	50.951	-1.9	92	0.00
70 T	Styrene	50.000	51.321	-2.6	91	0.00
71 P	Bromoform	50.000	52.752	-5.5	93	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73 T	Isopropylbenzene	50.000	49.433	1.1	92	0.00
74 T	N-amyl acetate	50.000	54.821	-9.6	97	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.321	-0.6	90	0.00
76 T	1,2,3-Trichloropropane	50.000	53.595	-7.2	93	0.00
77 T	Bromobenzene	50.000	49.588	0.8	90	0.00
78 T	n-propylbenzene	50.000	49.879	0.2	92	0.00
79 T	2-Chlorotoluene	50.000	49.257	1.5	94	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.396	1.2	94	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	51.391	-2.8	91	0.00
82 T	4-Chlorotoluene	50.000	49.114	1.8	95	0.00
83 T	tert-Butylbenzene	50.000	50.744	-1.5	94	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.562	0.9	94	0.00
85 T	sec-Butylbenzene	50.000	46.067	7.9	82	0.00
86 T	p-Isopropyltoluene	50.000	49.532	0.9	90	0.00
87 T	1,3-Dichlorobenzene	50.000	47.709	4.6	88	0.00
88 T	1,4-Dichlorobenzene	50.000	49.275	1.5	92	0.00
89 T	n-Butylbenzene	50.000	49.838	0.3	91	0.00
90 T	Hexachloroethane	50.000	48.355	3.3	84	0.00
91 T	1,2-Dichlorobenzene	50.000	50.169	-0.3	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.354	1.3	88	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.001	-4.0	100	0.00
94 T	Hexachlorobutadiene	50.000	52.929	-5.9	102	0.00
95 T	Naphthalene	50.000	56.950	-13.9	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020345.D
Acq On : 19 Nov 2024 18:52
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY111924

Quant Time: Nov 20 04:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.439	-2.9	101	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: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: MSVOA_Y Calibration Date/Time: 11/11/2024 11:11

Lab File ID: VY020239.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	0.427		-7.78	20
Chloromethane	0.767	0.726	0.1	-5.35	20
Vinyl Chloride	0.823	0.857		4.13	20
Bromomethane	0.546	0.543		-0.55	20
Chloroethane	0.531	0.560		5.46	20
Trichlorofluoromethane	1.005	1.112		10.65	20
1,1,2-Trichlorotrifluoroethane	0.564	0.594		5.32	20
1,1-Dichloroethene	0.540	0.581		7.59	20
Acetone	0.145	0.173		19.31	20
Carbon Disulfide	1.796	1.791		-0.28	20
Methyl tert-butyl Ether	1.357	1.524		12.31	20
Methyl Acetate	0.340	0.362		6.47	20
Methylene Chloride	0.652	0.616		-5.52	20
trans-1,2-Dichloroethene	0.609	0.647		6.24	20
1,1-Dichloroethane	1.170	1.268	0.1	8.38	20
Cyclohexane	1.132	1.098		-3	20
2-Butanone	0.197	0.215		9.14	20
Carbon Tetrachloride	0.494	0.562		13.77	20
cis-1,2-Dichloroethene	0.700	0.774		10.57	20
Bromochloromethane	0.548	0.576		5.11	20
Chloroform	1.161	1.287		10.85	20
1,1,1-Trichloroethane	1.013	1.141		12.64	20
Methylcyclohexane	0.623	0.655		5.14	20
Benzene	1.433	1.567		9.35	20
1,2-Dichloroethane	0.397	0.429		8.06	20
Trichloroethene	0.332	0.369		11.15	20
1,2-Dichloropropane	0.343	0.375		9.33	20
Bromodichloromethane	0.487	0.554		13.76	20
4-Methyl-2-Pentanone	0.232	0.255		9.91	20
Toluene	0.884	0.983		11.2	20
t-1,3-Dichloropropene	0.430	0.488		13.49	20
cis-1,3-Dichloropropene	0.513	0.576		12.28	20
1,1,2-Trichloroethane	0.231	0.260		12.55	20
2-Hexanone	0.166	0.188		13.25	20
Dibromochloromethane	0.295	0.342		15.93	20
1,2-Dibromoethane	0.215	0.234		8.84	20
Tetrachloroethene	0.330	0.382		15.76	20
Chlorobenzene	1.065	1.193	0.3	12.02	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: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: MSVOA_Y Calibration Date/Time: 11/11/2024 11:11

Lab File ID: VY020239.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	2.238		12.35	20
m/p-Xylenes	0.729	0.824		13.03	20
o-Xylene	0.690	0.780		13.04	20
Styrene	1.141	1.333		16.83	20
Bromoform	0.175	0.203	0.1	16	20
Isopropylbenzene	3.994	4.485		12.29	20
1,1,2,2-Tetrachloroethane	0.699	0.743	0.3	6.3	20
1,3-Dichlorobenzene	1.641	1.812		10.42	20
1,4-Dichlorobenzene	1.634	1.772		8.45	20
1,2-Dichlorobenzene	1.426	1.583		11.01	20
1,2-Dibromo-3-Chloropropane	0.106	0.116		9.43	20
1,2,4-Trichlorobenzene	0.766	0.851		11.1	20
1,2,3-Trichlorobenzene	0.650	0.711		9.39	20
1,2-Dichloroethane-d4	0.624	0.635		1.76	20
Dibromofluoromethane	0.318	0.337		5.97	20
Toluene-d8	1.265	1.329		5.06	20
4-Bromofluorobenzene	0.411	0.447		8.76	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\VY111124\
 Data File : VY020239.D
 Acq On : 11 Nov 2024 11:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
 Supervised By :Semsettin Yesilyurt 11/12/2024

Quant Time: Nov 11 23:11:07 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	256654	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	453274	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	393673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	187296	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.060	65	162926	50.863	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.720%	
35) Dibromofluoromethane	7.634	113	152606	52.953	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.900%	
50) Toluene-d8	10.103	98	602294	52.504	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.000%	
62) 4-Bromofluorobenzene	12.407	95	202729	54.409	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 108.820%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.866	85	109707	46.177	ug/l	99
3) Chloromethane	2.068	50	186347	47.353	ug/l	98
4) Vinyl Chloride	2.202	62	219896	52.051	ug/l	99
5) Bromomethane	2.598	94	139395	49.698	ug/l	98
6) Chloroethane	2.738	64	143642	52.684	ug/l	97
7) Trichlorofluoromethane	3.055	101	285317	55.284	ug/l	96
8) Diethyl Ether	3.458	74	79504	55.233	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.817	101	152341	52.627	ug/l	92
10) Methyl Iodide	4.006	142	155773	55.738	ug/l	# 89
11) Tert butyl alcohol	4.860	59	51534	223.664	ug/l	# 77
12) 1,1-Dichloroethene	3.793	96	149208	53.873	ug/l	# 75
13) Acrolein	3.653	56	43156	150.463	ug/l	99
14) Allyl chloride	4.384	41	267894	53.612	ug/l	# 90
15) Acrylonitrile	5.061	53	171786	262.178	ug/l	99
16) Acetone	3.866	43	221515	297.367	ug/l	# 82
17) Carbon Disulfide	4.104	76	459642	49.869	ug/l	98
18) Methyl Acetate	4.384	43	93001	53.211	ug/l	# 88
19) Methyl tert-butyl Ether	5.122	73	391241	56.150	ug/l	100
20) Methylene Chloride	4.622	84	158098	47.245	ug/l	# 87
21) trans-1,2-Dichloroethene	5.116	96	166004	53.146	ug/l	# 85
22) Diisopropyl ether	6.018	45	568346	54.809	ug/l	91
23) Vinyl Acetate	5.957	43	1565544	268.272	ug/l	# 92
24) 1,1-Dichloroethane	5.914	63	325511	54.212	ug/l	97
25) 2-Butanone	6.896	43	275775	273.106	ug/l	# 85
26) 2,2-Dichloropropane	6.884	77	277720	55.591	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	198595	55.310	ug/l	84
28) Bromochloromethane	7.243	49	147765	52.557	ug/l	# 75
29) Tetrahydrofuran	7.262	42	154012	264.288	ug/l	# 84
30) Chloroform	7.420	83	330430	55.457	ug/l	99
31) Cyclohexane	7.701	56	281924	48.500	ug/l	89
32) 1,1,1-Trichloroethane	7.615	97	292774	56.281	ug/l	94
36) 1,1-Dichloropropene	7.835	75	241832	54.322	ug/l	95
37) Ethyl Acetate	6.981	43	111718	52.635	ug/l	# 93
38) Carbon Tetrachloride	7.817	117	254548	56.860	ug/l	99
39) Methylcyclohexane	9.109	83	296897	52.546	ug/l	# 87
40) Benzene	8.079	78	710210	54.656	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020239.D
 Acq On : 11 Nov 2024 11:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
 Supervised By :Semsettin Yesilyurt 11/12/2024

Quant Time: Nov 11 23:11:07 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	63269	59.506	ug/l #	83
42) 1,2-Dichloroethane	8.158	62	194567	54.094	ug/l	94
43) Isopropyl Acetate	8.195	43	219088	53.678	ug/l #	79
44) Trichloroethene	8.865	130	167182	55.511	ug/l	90
45) 1,2-Dichloropropane	9.139	63	170160	54.733	ug/l	97
46) Dibromomethane	9.231	93	90910	53.967	ug/l	89
47) Bromodichloromethane	9.420	83	251317	56.949	ug/l	99
48) Methyl methacrylate	9.219	41	103016	54.490	ug/l #	82
49) 1,4-Dioxane	9.225	88	18956	1092.992	ug/l #	98
51) 4-Methyl-2-Pentanone	9.999	43	577064	274.391	ug/l	90
52) Toluene	10.170	92	445497	55.618	ug/l	99
53) t-1,3-Dichloropropene	10.389	75	221128	56.744	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	261035	56.120	ug/l #	87
55) 1,1,2-Trichloroethane	10.572	97	118033	56.354	ug/l	98
56) Ethyl methacrylate	10.438	69	172002	57.249	ug/l #	74
57) 1,3-Dichloropropane	10.712	76	211197	55.062	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	398554	268.985	ug/l	94
59) 2-Hexanone	10.761	43	427147	283.302	ug/l	88
60) Dibromochloromethane	10.907	129	155077	58.085	ug/l	99
61) 1,2-Dibromoethane	11.011	107	106090	54.519	ug/l	98
64) Tetrachloroethene	10.645	164	150404	57.863	ug/l	94
65) Chlorobenzene	11.438	112	469735	55.999	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	156876	58.536	ug/l	97
67) Ethyl Benzene	11.517	91	880921	56.180	ug/l	99
68) m/p-Xylenes	11.627	106	649015	113.130	ug/l	92
69) o-Xylene	11.956	106	307088	56.539	ug/l	93
70) Styrene	11.968	104	524681	58.424	ug/l	96
71) Bromoform	12.133	173	79917	58.127	ug/l #	97
73) Isopropylbenzene	12.255	105	840083	56.147	ug/l	97
74) N-ethyl acetate	12.072	43	209564	56.031	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	139169	53.184	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	100455m	57.216	ug/l	
77) Bromobenzene	12.529	156	166317	54.964	ug/l	84
78) n-propylbenzene	12.596	91	1028450	55.230	ug/l	97
79) 2-Chlorotoluene	12.682	91	567794	54.931	ug/l	94
80) 1,3,5-Trimethylbenzene	12.736	105	667412	55.562	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	45095	55.247	ug/l #	83
82) 4-Chlorotoluene	12.779	91	589864	55.969	ug/l	94
83) tert-Butylbenzene	12.999	119	605567	57.653	ug/l	95
84) 1,2,4-Trimethylbenzene	13.041	105	665538	55.939	ug/l	96
85) sec-Butylbenzene	13.175	105	905553	56.158	ug/l	98
86) p-Isopropyltoluene	13.291	119	724703	56.006	ug/l	95
87) 1,3-Dichlorobenzene	13.285	146	339395	55.211	ug/l	97
88) 1,4-Dichlorobenzene	13.364	146	331913	54.219	ug/l	97
89) n-Butylbenzene	13.614	91	721601	55.630	ug/l	98
90) Hexachloroethane	13.883	117	145470	56.845	ug/l	84
91) 1,2-Dichlorobenzene	13.657	146	296510	55.493	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	21633	54.513	ug/l	74
93) 1,2,4-Trichlorobenzene	14.919	180	159389	55.529	ug/l	98
94) Hexachlorobutadiene	15.023	225	85519	54.485	ug/l	97
95) Naphthalene	15.145	128	311113	57.983	ug/l	100
96) 1,2,3-Trichlorobenzene	15.333	180	133198	54.667	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

Quant Time: Nov 11 23:11:07 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

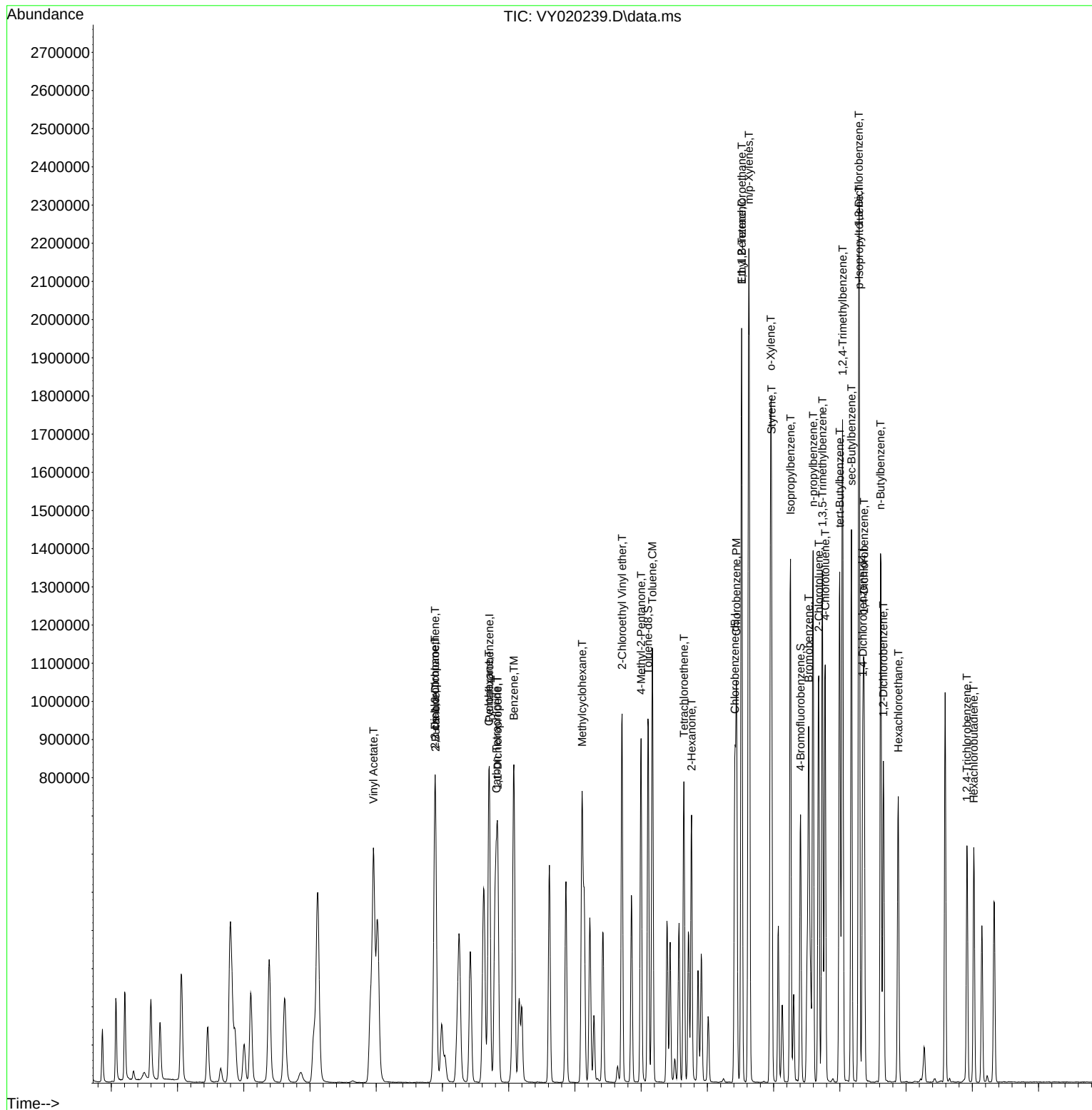
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

Quant Time: Nov 11 23:11:07 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\VY111124\
 Data File : VY020239.D
 Acq On : 11 Nov 2024 11:11
 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 11 23:11:07 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	101	0.00
2 T	Dichlorodifluoromethane	0.463	0.427	7.8	114	0.00
3 P	Chloromethane	0.767	0.726	5.3	108	0.00
4 C	Vinyl Chloride	0.823	0.857	-4.1#	115	0.00
5 T	Bromomethane	0.546	0.543	0.5	115	0.00
6 T	Chloroethane	0.531	0.560	-5.5	117	0.00
7 T	Trichlorofluoromethane	1.005	1.112	-10.6	122	0.00
8 T	Diethyl Ether	0.280	0.310	-10.7	125	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.564	0.594	-5.3	118	0.00
10 T	Methyl Iodide	0.544	0.607	-11.6	119	0.00
11 T	Tert butyl alcohol	0.045	0.040	11.1	124	0.00
12 CM	1,1-Dichloroethene	0.540	0.581	-7.6#	120	0.00
13 T	Acrolein	0.056	0.034	39.3#	69	0.00
14 T	Allyl chloride	0.973	1.044	-7.3	116	0.00
15 T	Acrylonitrile	0.128	0.134	-4.7	116	0.00
16 T	Acetone	0.145	0.173	-19.3	125	0.00
17 T	Carbon Disulfide	1.796	1.791	0.3	108	0.00
18 T	Methyl Acetate	0.340	0.362	-6.5	116	0.00
19 T	Methyl tert-butyl Ether	1.357	1.524	-12.3	125	0.00
20 T	Methylene Chloride	0.652	0.616	5.5	113	0.00
21 T	trans-1,2-Dichloroethene	0.609	0.647	-6.2	116	0.00
22 T	Diisopropyl ether	2.020	2.214	-9.6	119	0.00
23 T	Vinyl Acetate	1.137	1.220	-7.3	117	0.00
24 P	1,1-Dichloroethane	1.170	1.268	-8.4	120	0.00
25 T	2-Butanone	0.197	0.215	-9.1	122	0.00
26 T	2,2-Dichloropropane	0.973	1.082	-11.2	125	0.00
27 T	cis-1,2-Dichloroethene	0.700	0.774	-10.6	121	0.00
28 T	Bromochloromethane	0.548	0.576	-5.1	116	0.00
29 T	Tetrahydrofuran	0.114	0.120	-5.3	117	0.00
30 C	Chloroform	1.161	1.287	-10.9#	122	0.00
31 T	Cyclohexane	1.132	1.098	3.0	113	0.00
32 T	1,1,1-Trichloroethane	1.013	1.141	-12.6	122	0.00
33 S	1,2-Dichloroethane-d4	0.624	0.635	-1.8	110	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35 S	Dibromofluoromethane	0.318	0.337	-6.0	111	0.00
36 T	1,1-Dichloropropene	0.491	0.534	-8.8	120	0.00
37 T	Ethyl Acetate	0.234	0.246	-5.1	118	0.00
38 T	Carbon Tetrachloride	0.494	0.562	-13.8	123	0.00
39 T	Methylcyclohexane	0.623	0.655	-5.1	114	0.00
40 TM	Benzene	1.433	1.567	-9.4	119	0.00
41 T	Methacrylonitrile	0.117	0.140	-19.7	118	0.00
42 TM	1,2-Dichloroethane	0.397	0.429	-8.1	119	0.00
43 T	Isopropyl Acetate	0.450	0.483	-7.3	118	0.00
44 TM	Trichloroethene	0.332	0.369	-11.1	121	0.00
45 C	1,2-Dichloropropane	0.343	0.375	-9.3#	119	0.00
46 T	Dibromomethane	0.186	0.201	-8.1	118	0.00
47 T	Bromodichloromethane	0.487	0.554	-13.8	124	0.00
48 T	Methyl methacrylate	0.209	0.227	-8.6	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020239.D
 Acq On : 11 Nov 2024 11:11
 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 11 23:11:07 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	121	0.00
50 S	Toluene-d8	1.265	1.329	-5.1	110	0.00
51 T	4-Methyl-2-Pentanone	0.232	0.255	-9.9	117	0.00
52 CM	Toluene	0.884	0.983	-11.2#	119	0.00
53 T	t-1,3-Dichloropropene	0.430	0.488	-13.5	123	0.00
54 T	cis-1,3-Dichloropropene	0.513	0.576	-12.3	120	0.00
55 T	1,1,2-Trichloroethane	0.231	0.260	-12.6	122	0.00
56 T	Ethyl methacrylate	0.331	0.379	-14.5	122	0.00
57 T	1,3-Dichloropropane	0.423	0.466	-10.2	120	0.00
58 T	2-Chloroethyl Vinyl ether	0.163	0.176	-8.0	111	0.00
59 T	2-Hexanone	0.166	0.188	-13.3	121	0.00
60 T	Dibromochloromethane	0.295	0.342	-15.9	127	0.00
61 T	1,2-Dibromoethane	0.215	0.234	-8.8	121	0.00
62 S	4-Bromofluorobenzene	0.411	0.447	-8.8	113	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64 T	Tetrachloroethene	0.330	0.382	-15.8	125	0.00
65 PM	Chlorobenzene	1.065	1.193	-12.0	121	0.00
66 T	1,1,1,2-Tetrachloroethane	0.340	0.398	-17.1	126	0.00
67 C	Ethyl Benzene	1.992	2.238	-12.3#	120	0.00
68 T	m/p-Xylenes	0.729	0.824	-13.0	120	0.00
69 T	o-Xylene	0.690	0.780	-13.0	121	0.00
70 T	Styrene	1.141	1.333	-16.8	123	0.00
71 P	Bromoform	0.175	0.203	-16.0	124	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73 T	Isopropylbenzene	3.994	4.485	-12.3	122	0.00
74 T	N-amyl acetate	0.998	1.119	-12.1	122	0.00
75 P	1,1,2,2-Tetrachloroethane	0.699	0.743	-6.3	119	0.00
76 T	1,2,3-Trichloropropane	0.469	0.536	-14.3	125	0.00
77 T	Bromobenzene	0.808	0.888	-9.9	119	0.00
78 T	n-propylbenzene	4.971	5.491	-10.5	120	0.00
79 T	2-Chlorotoluene	2.759	3.032	-9.9	120	0.00
80 T	1,3,5-Trimethylbenzene	3.207	3.563	-11.1	120	0.00
81 T	trans-1,4-Dichloro-2-butene	0.218	0.241	-10.6	122	0.00
82 T	4-Chlorotoluene	2.813	3.149	-11.9	121	0.00
83 T	tert-Butylbenzene	2.804	3.233	-15.3	121	0.00
84 T	1,2,4-Trimethylbenzene	3.176	3.553	-11.9	121	0.00
85 T	sec-Butylbenzene	4.305	4.835	-12.3	121	0.00
86 T	p-Isopropyltoluene	3.454	3.869	-12.0	119	0.00
87 T	1,3-Dichlorobenzene	1.641	1.812	-10.4	120	0.00
88 T	1,4-Dichlorobenzene	1.634	1.772	-8.4	119	0.00
89 T	n-Butylbenzene	3.463	3.853	-11.3	118	0.00
90 T	Hexachloroethane	0.683	0.777	-13.8	123	0.00
91 T	1,2-Dichlorobenzene	1.426	1.583	-11.0	121	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.106	0.116	-9.4	126	0.00
93 T	1,2,4-Trichlorobenzene	0.766	0.851	-11.1	123	0.00
94 T	Hexachlorobutadiene	0.419	0.457	-9.1	117	0.00
95 T	Naphthalene	1.432	1.661	-16.0	125	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
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 11 23:11:07 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	0.711	-9.4	123	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
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 11 23:11:07 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	101	0.00
2 T	Dichlorodifluoromethane	50.000	46.177	7.6	114	0.00
3 P	Chloromethane	50.000	47.353	5.3	108	0.00
4 C	Vinyl Chloride	50.000	52.051	-4.1#	115	0.00
5 T	Bromomethane	50.000	49.698	0.6	115	0.00
6 T	Chloroethane	50.000	52.684	-5.4	117	0.00
7 T	Trichlorofluoromethane	50.000	55.284	-10.6	122	0.00
8 T	Diethyl Ether	50.000	55.233	-10.5	125	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.627	-5.3	118	0.00
10 T	Methyl Iodide	50.000	55.738	-11.5	119	0.00
11 T	Tert butyl alcohol	250.000	223.664	10.5	124	0.00
12 CM	1,1-Dichloroethene	50.000	53.873	-7.7#	120	0.00
13 T	Acrolein	250.000	150.463	39.8#	69	0.00
14 T	Allyl chloride	50.000	53.612	-7.2	116	0.00
15 T	Acrylonitrile	250.000	262.178	-4.9	116	0.00
16 T	Acetone	250.000	297.367	-18.9	125	0.00
17 T	Carbon Disulfide	50.000	49.869	0.3	108	0.00
18 T	Methyl Acetate	50.000	53.211	-6.4	116	0.00
19 T	Methyl tert-butyl Ether	50.000	56.150	-12.3	125	0.00
20 T	Methylene Chloride	50.000	47.245	5.5	113	0.00
21 T	trans-1,2-Dichloroethene	50.000	53.146	-6.3	116	0.00
22 T	Diisopropyl ether	50.000	54.809	-9.6	119	0.00
23 T	Vinyl Acetate	250.000	268.272	-7.3	117	0.00
24 P	1,1-Dichloroethane	50.000	54.212	-8.4	120	0.00
25 T	2-Butanone	250.000	273.106	-9.2	122	0.00
26 T	2,2-Dichloropropane	50.000	55.591	-11.2	125	0.00
27 T	cis-1,2-Dichloroethene	50.000	55.310	-10.6	121	0.00
28 T	Bromochloromethane	50.000	52.557	-5.1	116	0.00
29 T	Tetrahydrofuran	250.000	264.288	-5.7	117	0.00
30 C	Chloroform	50.000	55.457	-10.9#	122	0.00
31 T	Cyclohexane	50.000	48.500	3.0	113	0.00
32 T	1,1,1-Trichloroethane	50.000	56.281	-12.6	122	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.863	-1.7	110	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35 S	Dibromofluoromethane	50.000	52.953	-5.9	111	0.00
36 T	1,1-Dichloropropene	50.000	54.322	-8.6	120	0.00
37 T	Ethyl Acetate	50.000	52.635	-5.3	118	0.00
38 T	Carbon Tetrachloride	50.000	56.860	-13.7	123	0.00
39 T	Methylcyclohexane	50.000	52.546	-5.1	114	0.00
40 TM	Benzene	50.000	54.656	-9.3	119	0.00
41 T	Methacrylonitrile	50.000	59.506	-19.0	118	0.00
42 TM	1,2-Dichloroethane	50.000	54.094	-8.2	119	0.00
43 T	Isopropyl Acetate	50.000	53.678	-7.4	118	0.00
44 TM	Trichloroethene	50.000	55.511	-11.0	121	0.00
45 C	1,2-Dichloropropane	50.000	54.733	-9.5#	119	0.00
46 T	Dibromomethane	50.000	53.967	-7.9	118	0.00
47 T	Bromodichloromethane	50.000	56.949	-13.9	124	0.00
48 T	Methyl methacrylate	50.000	54.490	-9.0	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020239.D
 Acq On : 11 Nov 2024 11:11
 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 11 23:11:07 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	1092.992	-9.3	121	0.00
50 S	Toluene-d8	50.000	52.504	-5.0	110	0.00
51 T	4-Methyl-2-Pentanone	250.000	274.391	-9.8	117	0.00
52 CM	Toluene	50.000	55.618	-11.2#	119	0.00
53 T	t-1,3-Dichloropropene	50.000	56.744	-13.5	123	0.00
54 T	cis-1,3-Dichloropropene	50.000	56.120	-12.2	120	0.00
55 T	1,1,2-Trichloroethane	50.000	56.354	-12.7	122	0.00
56 T	Ethyl methacrylate	50.000	57.249	-14.5	122	0.00
57 T	1,3-Dichloropropane	50.000	55.062	-10.1	120	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	268.985	-7.6	111	0.00
59 T	2-Hexanone	250.000	283.302	-13.3	121	0.00
60 T	Dibromochloromethane	50.000	58.085	-16.2	127	0.00
61 T	1,2-Dibromoethane	50.000	54.519	-9.0	121	0.00
62 S	4-Bromofluorobenzene	50.000	54.409	-8.8	113	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64 T	Tetrachloroethene	50.000	57.863	-15.7	125	0.00
65 PM	Chlorobenzene	50.000	55.999	-12.0	121	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	58.536	-17.1	126	0.00
67 C	Ethyl Benzene	50.000	56.180	-12.4#	120	0.00
68 T	m/p-Xylenes	100.000	113.130	-13.1	120	0.00
69 T	o-Xylene	50.000	56.539	-13.1	121	0.00
70 T	Styrene	50.000	58.424	-16.8	123	0.00
71 P	Bromoform	50.000	58.127	-16.3	124	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73 T	Isopropylbenzene	50.000	56.147	-12.3	122	0.00
74 T	N-amyl acetate	50.000	56.031	-12.1	122	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	53.184	-6.4	119	0.00
76 T	1,2,3-Trichloropropane	50.000	57.216	-14.4	125	0.00
77 T	Bromobenzene	50.000	54.964	-9.9	119	0.00
78 T	n-propylbenzene	50.000	55.230	-10.5	120	0.00
79 T	2-Chlorotoluene	50.000	54.931	-9.9	120	0.00
80 T	1,3,5-Trimethylbenzene	50.000	55.562	-11.1	120	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	55.247	-10.5	122	0.00
82 T	4-Chlorotoluene	50.000	55.969	-11.9	121	0.00
83 T	tert-Butylbenzene	50.000	57.653	-15.3	121	0.00
84 T	1,2,4-Trimethylbenzene	50.000	55.939	-11.9	121	0.00
85 T	sec-Butylbenzene	50.000	56.158	-12.3	121	0.00
86 T	p-Isopropyltoluene	50.000	56.006	-12.0	119	0.00
87 T	1,3-Dichlorobenzene	50.000	55.211	-10.4	120	0.00
88 T	1,4-Dichlorobenzene	50.000	54.219	-8.4	119	0.00
89 T	n-Butylbenzene	50.000	55.630	-11.3	118	0.00
90 T	Hexachloroethane	50.000	56.845	-13.7	123	0.00
91 T	1,2-Dichlorobenzene	50.000	55.493	-11.0	121	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	54.513	-9.0	126	0.00
93 T	1,2,4-Trichlorobenzene	50.000	55.529	-11.1	123	0.00
94 T	Hexachlorobutadiene	50.000	54.485	-9.0	117	0.00
95 T	Naphthalene	50.000	57.983	-16.0	125	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
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 11 23:11:07 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	54.667	-9.3	123	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: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: MSVOA_Y Calibration Date/Time: 11/20/2024 09:34

Lab File ID: VY020347.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.485	0.550		13.4	20
Chloromethane	0.735	0.591	0.1	-19.59	20
Vinyl Chloride	0.666	0.589		-11.56	20
Bromomethane	0.333	0.311		-6.61	20
Chloroethane	0.388	0.354		-8.76	20
Trichlorofluoromethane	0.925	0.956		3.35	20
1,1,2-Trichlorotrifluoroethane	0.551	0.547		-0.73	20
1,1-Dichloroethene	0.545	0.537		-1.47	20
Acetone	0.138	0.155		12.32	20
Carbon Disulfide	1.838	1.781		-3.1	20
Methyl tert-butyl Ether	1.417	1.362		-3.88	20
Methyl Acetate	0.321	0.302		-5.92	20
Methylene Chloride	0.583	0.553		-5.15	20
trans-1,2-Dichloroethene	0.606	0.587		-3.13	20
1,1-Dichloroethane	1.173	1.127	0.1	-3.92	20
Cyclohexane	1.071	1.061		-1.03	20
2-Butanone	0.177	0.192		8.48	20
Carbon Tetrachloride	0.511	0.567		10.96	20
cis-1,2-Dichloroethene	0.667	0.661		-0.9	20
Bromochloromethane	0.494	0.453		-8.3	20
Chloroform	1.133	1.085		-4.24	20
1,1,1-Trichloroethane	0.995	1.011		1.61	20
Methylcyclohexane	0.613	0.670		9.3	20
Benzene	1.435	1.470		2.44	20
1,2-Dichloroethane	0.387	0.400		3.36	20
Trichloroethene	0.340	0.345		1.47	20
1,2-Dichloropropane	0.342	0.347		1.46	20
Bromodichloromethane	0.484	0.494		2.07	20
4-Methyl-2-Pentanone	0.221	0.229		3.62	20
Toluene	0.877	0.892		1.71	20
t-1,3-Dichloropropene	0.458	0.466		1.75	20
cis-1,3-Dichloropropene	0.524	0.550		4.96	20
1,1,2-Trichloroethane	0.233	0.225		-3.43	20
2-Hexanone	0.157	0.176		12.1	20
Dibromochloromethane	0.300	0.305		1.67	20
1,2-Dibromoethane	0.216	0.209		-3.24	20
Tetrachloroethene	0.360	0.363		0.83	20
Chlorobenzene	1.115	1.114	0.3	-0.09	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: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: MSVOA_Y Calibration Date/Time: 11/20/2024 09:34

Lab File ID: VY020347.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.057	2.117		2.92	20
m/p-Xylenes	0.741	0.770		3.91	20
o-Xylene	0.703	0.726		3.27	20
Styrene	1.167	1.218		4.37	20
Bromoform	0.194	0.200	0.1	3.09	20
Isopropylbenzene	4.236	4.367		3.09	20
1,1,2,2-Tetrachloroethane	0.685	0.666	0.3	-2.77	20
1,3-Dichlorobenzene	1.794	1.743		-2.84	20
1,4-Dichlorobenzene	1.714	1.708		-0.35	20
1,2-Dichlorobenzene	1.495	1.493		-0.13	20
1,2-Dibromo-3-Chloropropane	0.112	0.109		-2.68	20
1,2,4-Trichlorobenzene	0.904	0.954		5.53	20
1,2,3-Trichlorobenzene	0.773	0.794		2.72	20
1,2-Dichloroethane-d4	0.574	0.565		-1.57	20
Dibromofluoromethane	0.321	0.306		-4.67	20
Toluene-d8	1.263	1.246		-1.35	20
4-Bromofluorobenzene	0.406	0.409		0.74	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\VY112024\
 Data File : VY020347.D
 Acq On : 20 Nov 2024 09:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 21 00:41:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	225214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	368816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	305686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	139421	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	127232	49.173	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.340%
35) Dibromofluoromethane	7.640	113	112981	47.773	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.540%
50) Toluene-d8	10.109	98	459693	49.344	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.680%
62) 4-Bromofluorobenzene	12.407	95	150728	50.330	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	100.660%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	123842	56.651	ug/l	99
3) Chloromethane	2.074	50	133060	46.102	ug/l	97
4) Vinyl Chloride	2.208	62	132743	44.262	ug/l	100
5) Bromomethane	2.604	94	70092	46.797	ug/l	94
6) Chloroethane	2.745	64	79628	45.515	ug/l	100
7) Trichlorofluoromethane	3.068	101	215305	51.662	ug/l	100
8) Diethyl Ether	3.464	74	64095	48.744	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	123082	49.591	ug/l	100
10) Methyl Iodide	4.013	142	159702	48.038	ug/l	95
11) Tert butyl alcohol	4.878	59	40473	210.807	ug/l	98
12) 1,1-Dichloroethene	3.799	96	120837	49.185	ug/l	98
13) Acrolein	3.665	56	40645	253.685	ug/l	97
14) Allyl chloride	4.391	41	230831	48.587	ug/l	94
15) Acrylonitrile	5.067	53	140212	241.217	ug/l	100
16) Acetone	3.878	43	174248	280.915	ug/l	96
17) Carbon Disulfide	4.116	76	401178	48.469	ug/l	99
18) Methyl Acetate	4.391	43	67940	46.988	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	306676	48.052	ug/l	100
20) Methylene Chloride	4.622	84	124584	47.429	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	132259	48.470	ug/l	94
22) Diisopropyl ether	6.024	45	438804	46.869	ug/l	99
23) Vinyl Acetate	5.970	43	1264142	241.614	ug/l	99
24) 1,1-Dichloroethane	5.927	63	253827	48.024	ug/l	99
25) 2-Butanone	6.902	43	215679	270.087	ug/l	100
26) 2,2-Dichloropropane	6.890	77	224188	51.319	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	148899	49.542	ug/l	99
28) Bromochloromethane	7.250	49	101919	45.817	ug/l	96
29) Tetrahydrofuran	7.262	42	120244	251.939	ug/l	97
30) Chloroform	7.427	83	244256	47.857	ug/l	99
31) Cyclohexane	7.707	56	238839	49.517	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	227690	50.807	ug/l	99
36) 1,1-Dichloropropene	7.841	75	189435	52.444	ug/l	99
37) Ethyl Acetate	6.988	43	85978	51.960	ug/l	99
38) Carbon Tetrachloride	7.823	117	209178	55.464	ug/l	95
39) Methylcyclohexane	9.115	83	247045	54.648	ug/l	98
40) Benzene	8.085	78	542044	51.206	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
 Data File : VY020347.D
 Acq On : 20 Nov 2024 09:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 21 00:41:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	44570	47.339	ug/l	97
42) 1,2-Dichloroethane	8.164	62	147581	51.651	ug/l	98
43) Isopropyl Acetate	8.201	43	167977	52.201	ug/l	99
44) Trichloroethene	8.865	130	127292	50.753	ug/l	99
45) 1,2-Dichloropropane	9.146	63	127916	50.648	ug/l	98
46) Dibromomethane	9.237	93	63867	49.338	ug/l	99
47) Bromodichloromethane	9.426	83	182364	51.033	ug/l	97
48) Methyl methacrylate	9.225	41	80458	52.297	ug/l	96
49) 1,4-Dioxane	9.231	88	13948	1047.335	ug/l #	91
51) 4-Methyl-2-Pentanone	9.999	43	422422	258.674	ug/l	100
52) Toluene	10.176	92	329120	50.868	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	171835	50.851	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	202841	52.437	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	83003	48.306	ug/l	97
56) Ethyl methacrylate	10.444	69	131486	50.954	ug/l	98
57) 1,3-Dichloropropane	10.719	76	153767	49.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	299771	244.993	ug/l	100
59) 2-Hexanone	10.761	43	325260	281.280	ug/l	100
60) Dibromochloromethane	10.914	129	112637	50.857	ug/l	99
61) 1,2-Dibromoethane	11.017	107	77227	48.502	ug/l	100
64) Tetrachloroethene	10.652	164	111013	50.380	ug/l	98
65) Chlorobenzene	11.444	112	340543	49.964	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	115801	50.860	ug/l	98
67) Ethyl Benzene	11.523	91	647145	51.467	ug/l	100
68) m/p-Xylenes	11.633	106	470841	103.957	ug/l	97
69) o-Xylene	11.956	106	221785	51.628	ug/l	98
70) Styrene	11.975	104	372408	52.177	ug/l	98
71) Bromoform	12.133	173	61199	51.574	ug/l #	100
73) Isopropylbenzene	12.255	105	608837	51.550	ug/l	100
74) N-amyl acetate	12.072	43	151841	53.200	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.511	83	92848	48.642	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	63851m	48.590	ug/l	
77) Bromobenzene	12.535	156	123012	49.713	ug/l	97
78) n-propylbenzene	12.596	91	738216	52.082	ug/l	100
79) 2-Chlorotoluene	12.682	91	413107	50.690	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	491310	51.473	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.310	75	33894	50.540	ug/l	98
82) 4-Chlorotoluene	12.779	91	421177	50.075	ug/l	97
83) tert-Butylbenzene	12.999	119	447082	53.077	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	480451	50.771	ug/l	99
85) sec-Butylbenzene	13.182	105	648374	48.826	ug/l	100
86) p-Isopropyltoluene	13.298	119	533982	52.008	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	242976	48.563	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	238102	49.808	ug/l	99
89) n-Butylbenzene	13.621	91	518610	52.746	ug/l	99
90) Hexachloroethane	13.883	117	99668	50.295	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	208100	49.921	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15217	48.583	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	133003	52.769	ug/l	99
94) Hexachlorobutadiene	15.029	225	87110	56.619	ug/l	99
95) Naphthalene	15.151	128	237543	54.723	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	110769	51.399	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020347.D
Acq On : 20 Nov 2024 09:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Nov 21 00:41:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 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 :
VSTDCCC050

[illegible]

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
 Data File : VY020347.D
 Acq On : 20 Nov 2024 09:34
 Operator : SY/MD
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 LabSampleId :
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Quant Time: Nov 21 00:41:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 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	99	0.00
2 T	Dichlorodifluoromethane	0.485	0.550	-13.4	120	0.00
3 P	Chloromethane	0.735	0.591	19.6	86	0.00
4 C	Vinyl Chloride	0.666	0.589	11.6#	94	0.00
5 T	Bromomethane	0.333	0.311	6.6	98	0.00
6 T	Chloroethane	0.388	0.354	8.8	95	0.00
7 T	Trichlorofluoromethane	0.925	0.956	-3.4	102	0.00
8 T	Diethyl Ether	0.292	0.285	2.4	92	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.547	0.7	92	0.00
10 T	Methyl Iodide	0.738	0.709	3.9	85	0.00
11 T	Tert butyl alcohol	0.044	0.036	18.2	99	0.00
12 CM	1,1-Dichloroethene	0.545	0.537	1.5#	91	0.00
13 T	Acrolein	0.036	0.036	0.0	99	0.00
14 T	Allyl chloride	1.055	1.025	2.8	107	0.00
15 T	Acrylonitrile	0.129	0.125	3.1	100	0.00
16 T	Acetone	0.138	0.155	-12.3	96	0.00
17 T	Carbon Disulfide	1.838	1.781	3.1	85	0.00
18 T	Methyl Acetate	0.321	0.302	5.9	99	0.00
19 T	Methyl tert-butyl Ether	1.417	1.362	3.9	96	0.01
20 T	Methylene Chloride	0.583	0.553	5.1	96	0.00
21 T	trans-1,2-Dichloroethene	0.606	0.587	3.1	97	0.00
22 T	Diisopropyl ether	2.079	1.948	6.3	96	0.00
23 T	Vinyl Acetate	1.162	1.123	3.4	97	0.00
24 P	1,1-Dichloroethane	1.173	1.127	3.9	98	0.00
25 T	2-Butanone	0.177	0.192	-8.5	106	0.00
26 T	2,2-Dichloropropane	0.970	0.995	-2.6	103	0.00
27 T	cis-1,2-Dichloroethene	0.667	0.661	0.9	95	0.00
28 T	Bromochloromethane	0.494	0.453	8.3	88	0.00
29 T	Tetrahydrofuran	0.106	0.107	-0.9	99	0.00
30 C	Chloroform	1.133	1.085	4.2#	87	0.00
31 T	Cyclohexane	1.071	1.060	1.0	102	0.00
32 T	1,1,1-Trichloroethane	0.995	1.011	-1.6	101	0.00
33 S	1,2-Dichloroethane-d4	0.574	0.565	1.6	88	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
35 S	Dibromofluoromethane	0.321	0.306	4.7	83	0.00
36 T	1,1-Dichloropropene	0.490	0.514	-4.9	99	0.00
37 T	Ethyl Acetate	0.224	0.233	-4.0	96	0.00
38 T	Carbon Tetrachloride	0.511	0.567	-11.0	104	0.00
39 T	Methylcyclohexane	0.613	0.670	-9.3	101	0.00
40 TM	Benzene	1.435	1.470	-2.4	96	0.00
41 T	Methacrylonitrile	0.128	0.121	5.5	90	0.00
42 TM	1,2-Dichloroethane	0.387	0.400	-3.4	96	0.00
43 T	Isopropyl Acetate	0.436	0.455	-4.4	94	0.00
44 TM	Trichloroethene	0.340	0.345	-1.5	95	0.00
45 C	1,2-Dichloropropane	0.342	0.347	-1.5#	95	0.00
46 T	Dibromomethane	0.175	0.173	1.1	88	0.00
47 T	Bromodichloromethane	0.484	0.494	-2.1	88	0.00
48 T	Methyl methacrylate	0.209	0.218	-4.3	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
 Data File : VY020347.D
 Acq On : 20 Nov 2024 09:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 21 00:41:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 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	95	0.00
50 S	Toluene-d8	1.263	1.246	1.3	78	0.00
51 T	4-Methyl-2-Pentanone	0.221	0.229	-3.6	82	0.00
52 CM	Toluene	0.877	0.892	-1.7#	92	0.00
53 T	t-1,3-Dichloropropene	0.458	0.466	-1.7	91	0.00
54 T	cis-1,3-Dichloropropene	0.524	0.550	-5.0	96	0.00
55 T	1,1,2-Trichloroethane	0.233	0.225	3.4	90	0.00
56 T	Ethyl methacrylate	0.350	0.357	-2.0	88	0.00
57 T	1,3-Dichloropropane	0.419	0.417	0.5	88	0.00
58 T	2-Chloroethyl Vinyl ether	0.166	0.163	1.8	91	0.00
59 T	2-Hexanone	0.157	0.176	-12.1	91	0.00
60 T	Dibromochloromethane	0.300	0.305	-1.7	88	0.00
61 T	1,2-Dibromoethane	0.216	0.209	3.2	85	0.00
62 S	4-Bromofluorobenzene	0.406	0.409	-0.7	83	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
64 T	Tetrachloroethene	0.360	0.363	-0.8	93	0.00
65 PM	Chlorobenzene	1.115	1.114	0.1	82	0.00
66 T	1,1,1,2-Tetrachloroethane	0.372	0.379	-1.9	87	0.00
67 C	Ethyl Benzene	2.057	2.117	-2.9#	87	0.00
68 T	m/p-Xylenes	0.741	0.770	-3.9	92	0.00
69 T	o-Xylene	0.703	0.726	-3.3	92	0.00
70 T	Styrene	1.167	1.218	-4.4	91	0.00
71 P	Bromoform	0.194	0.200	-3.1	90	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73 T	Isopropylbenzene	4.236	4.367	-3.1	94	0.00
74 T	N-amyl acetate	1.024	1.089	-6.3	93	0.00
75 P	1,1,2,2-Tetrachloroethane	0.685	0.666	2.8	85	0.00
76 T	1,2,3-Trichloropropane	0.471	0.458	2.8	84	0.00
77 T	Bromobenzene	0.887	0.882	0.6	89	0.00
78 T	n-propylbenzene	5.083	5.295	-4.2	95	0.00
79 T	2-Chlorotoluene	2.923	2.963	-1.4	96	0.00
80 T	1,3,5-Trimethylbenzene	3.423	3.524	-3.0	97	0.00
81 T	trans-1,4-Dichloro-2-butene	0.241	0.243	-0.8	89	0.00
82 T	4-Chlorotoluene	3.016	3.021	-0.2	96	0.00
83 T	tert-Butylbenzene	3.021	3.207	-6.2	97	0.00
84 T	1,2,4-Trimethylbenzene	3.394	3.446	-1.5	94	0.00
85 T	sec-Butylbenzene	4.762	4.650	2.4	85	0.00
86 T	p-Isopropyltoluene	3.682	3.830	-4.0	93	0.00
87 T	1,3-Dichlorobenzene	1.794	1.743	2.8	88	0.00
88 T	1,4-Dichlorobenzene	1.714	1.708	0.4	92	0.00
89 T	n-Butylbenzene	3.526	3.720	-5.5	95	0.00
90 T	Hexachloroethane	0.711	0.715	-0.6	86	0.00
91 T	1,2-Dichlorobenzene	1.495	1.493	0.1	90	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.112	0.109	2.7	85	0.00
93 T	1,2,4-Trichlorobenzene	0.904	0.954	-5.5	100	0.00
94 T	Hexachlorobutadiene	0.552	0.625	-13.2	108	0.00
95 T	Naphthalene	1.557	1.704	-9.4	97	0.00

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Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:41:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 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	0.773	0.794	-2.7	99	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
 Data File : VY020347.D
 Acq On : 20 Nov 2024 09:34
 Operator : SY/MD
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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	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	99	0.00
2 T	Dichlorodifluoromethane	50.000	56.651	-13.3	120	0.00
3 P	Chloromethane	50.000	46.102	7.8	86	0.00
4 C	Vinyl Chloride	50.000	44.262	11.5#	94	0.00
5 T	Bromomethane	50.000	46.797	6.4	98	0.00
6 T	Chloroethane	50.000	45.515	9.0	95	0.00
7 T	Trichlorofluoromethane	50.000	51.662	-3.3	102	0.00
8 T	Diethyl Ether	50.000	48.744	2.5	92	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.591	0.8	92	0.00
10 T	Methyl Iodide	50.000	48.038	3.9	85	0.00
11 T	Tert butyl alcohol	250.000	210.807	15.7	99	0.00
12 CM	1,1-Dichloroethene	50.000	49.185	1.6#	91	0.00
13 T	Acrolein	250.000	253.685	-1.5	99	0.00
14 T	Allyl chloride	50.000	48.587	2.8	107	0.00
15 T	Acrylonitrile	250.000	241.217	3.5	100	0.00
16 T	Acetone	250.000	280.915	-12.4	96	0.00
17 T	Carbon Disulfide	50.000	48.469	3.1	85	0.00
18 T	Methyl Acetate	50.000	46.988	6.0	99	0.00
19 T	Methyl tert-butyl Ether	50.000	48.052	3.9	96	0.01
20 T	Methylene Chloride	50.000	47.429	5.1	96	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.470	3.1	97	0.00
22 T	Diisopropyl ether	50.000	46.869	6.3	96	0.00
23 T	Vinyl Acetate	250.000	241.614	3.4	97	0.00
24 P	1,1-Dichloroethane	50.000	48.024	4.0	98	0.00
25 T	2-Butanone	250.000	270.087	-8.0	106	0.00
26 T	2,2-Dichloropropane	50.000	51.319	-2.6	103	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.542	0.9	95	0.00
28 T	Bromochloromethane	50.000	45.817	8.4	88	0.00
29 T	Tetrahydrofuran	250.000	251.939	-0.8	99	0.00
30 C	Chloroform	50.000	47.857	4.3#	87	0.00
31 T	Cyclohexane	50.000	49.517	1.0	102	0.00
32 T	1,1,1-Trichloroethane	50.000	50.807	-1.6	101	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.173	1.7	88	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	88	0.00
35 S	Dibromofluoromethane	50.000	47.773	4.5	83	0.00
36 T	1,1-Dichloropropene	50.000	52.444	-4.9	99	0.00
37 T	Ethyl Acetate	50.000	51.960	-3.9	96	0.00
38 T	Carbon Tetrachloride	50.000	55.464	-10.9	104	0.00
39 T	Methylcyclohexane	50.000	54.648	-9.3	101	0.00
40 TM	Benzene	50.000	51.206	-2.4	96	0.00
41 T	Methacrylonitrile	50.000	47.339	5.3	90	0.00
42 TM	1,2-Dichloroethane	50.000	51.651	-3.3	96	0.00
43 T	Isopropyl Acetate	50.000	52.201	-4.4	94	0.00
44 TM	Trichloroethene	50.000	50.753	-1.5	95	0.00
45 C	1,2-Dichloropropane	50.000	50.648	-1.3#	95	0.00
46 T	Dibromomethane	50.000	49.338	1.3	88	0.00
47 T	Bromodichloromethane	50.000	51.033	-2.1	88	0.00
48 T	Methyl methacrylate	50.000	52.297	-4.6	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
 Data File : VY020347.D
 Acq On : 20 Nov 2024 09:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 21 00:41:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 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	1047.335	-4.7	95	0.00
50 S	Toluene-d8	50.000	49.344	1.3	78	0.00
51 T	4-Methyl-2-Pentanone	250.000	258.674	-3.5	82	0.00
52 CM	Toluene	50.000	50.868	-1.7#	92	0.00
53 T	t-1,3-Dichloropropene	50.000	50.851	-1.7	91	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.437	-4.9	96	0.00
55 T	1,1,2-Trichloroethane	50.000	48.306	3.4	90	0.00
56 T	Ethyl methacrylate	50.000	50.954	-1.9	88	0.00
57 T	1,3-Dichloropropane	50.000	49.795	0.4	88	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	244.993	2.0	91	0.00
59 T	2-Hexanone	250.000	281.280	-12.5	91	0.00
60 T	Dibromochloromethane	50.000	50.857	-1.7	88	0.00
61 T	1,2-Dibromoethane	50.000	48.502	3.0	85	0.00
62 S	4-Bromofluorobenzene	50.000	50.330	-0.7	83	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	85	0.00
64 T	Tetrachloroethene	50.000	50.380	-0.8	93	0.00
65 PM	Chlorobenzene	50.000	49.964	0.1	82	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.860	-1.7	87	0.00
67 C	Ethyl Benzene	50.000	51.467	-2.9#	87	0.00
68 T	m/p-Xylenes	100.000	103.957	-4.0	92	0.00
69 T	o-Xylene	50.000	51.628	-3.3	92	0.00
70 T	Styrene	50.000	52.177	-4.4	91	0.00
71 P	Bromoform	50.000	51.574	-3.1	90	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73 T	Isopropylbenzene	50.000	51.550	-3.1	94	0.00
74 T	N-amyl acetate	50.000	53.200	-6.4	93	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.642	2.7	85	0.00
76 T	1,2,3-Trichloropropane	50.000	48.590	2.8	84	0.00
77 T	Bromobenzene	50.000	49.713	0.6	89	0.00
78 T	n-propylbenzene	50.000	52.082	-4.2	95	0.00
79 T	2-Chlorotoluene	50.000	50.690	-1.4	96	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.473	-2.9	97	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.540	-1.1	89	0.00
82 T	4-Chlorotoluene	50.000	50.075	-0.2	96	0.00
83 T	tert-Butylbenzene	50.000	53.077	-6.2	97	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.771	-1.5	94	0.00
85 T	sec-Butylbenzene	50.000	48.826	2.3	85	0.00
86 T	p-Isopropyltoluene	50.000	52.008	-4.0	93	0.00
87 T	1,3-Dichlorobenzene	50.000	48.563	2.9	88	0.00
88 T	1,4-Dichlorobenzene	50.000	49.808	0.4	92	0.00
89 T	n-Butylbenzene	50.000	52.746	-5.5	95	0.00
90 T	Hexachloroethane	50.000	50.295	-0.6	86	0.00
91 T	1,2-Dichlorobenzene	50.000	49.921	0.2	90	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.583	2.8	85	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.769	-5.5	100	0.00
94 T	Hexachlorobutadiene	50.000	56.619	-13.2	108	0.00
95 T	Naphthalene	50.000	54.723	-9.4	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020347.D
Acq On : 20 Nov 2024 09:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:41:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.399	-2.8	99	0.00

(#) = Out of Range

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



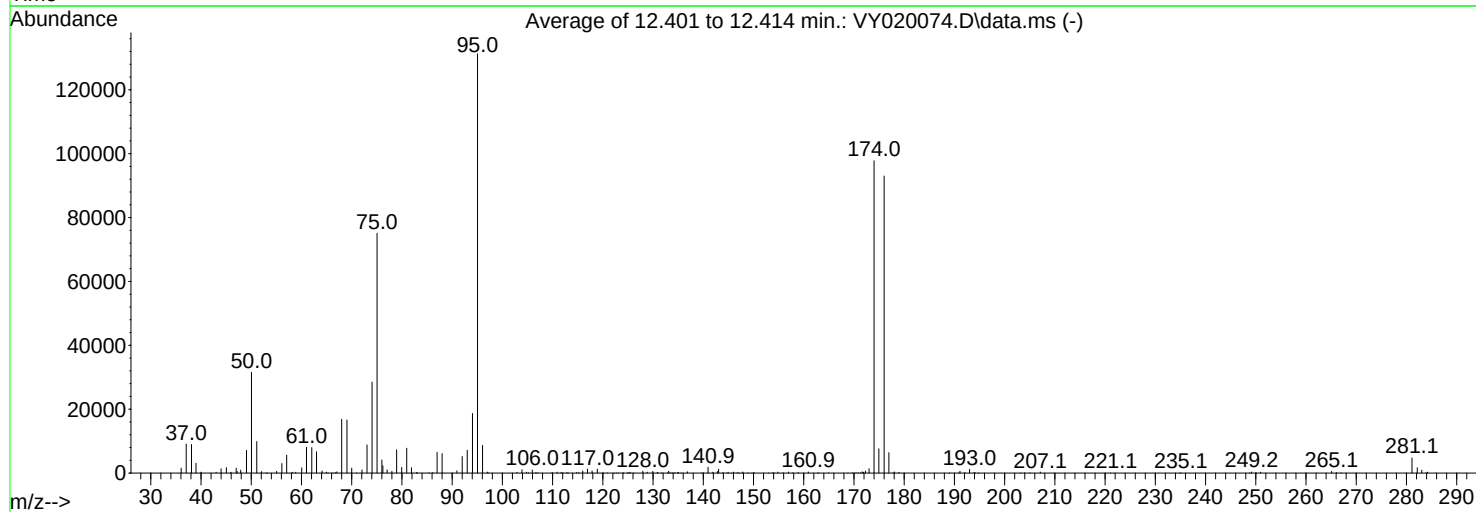
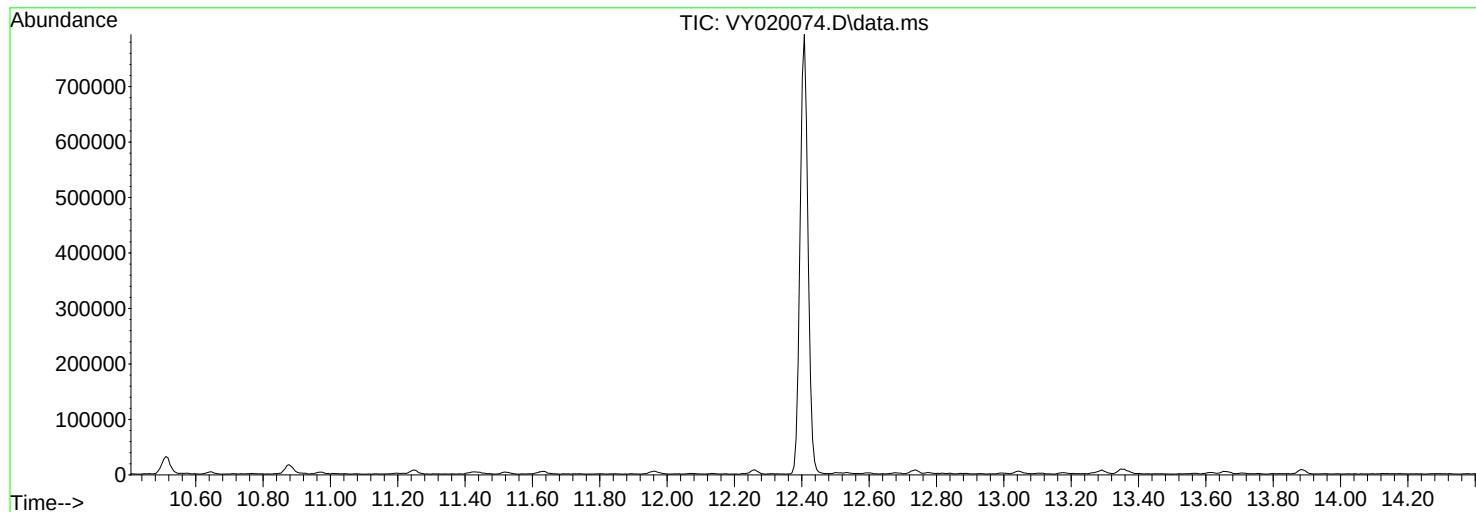
QC SAMPLE DATA

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

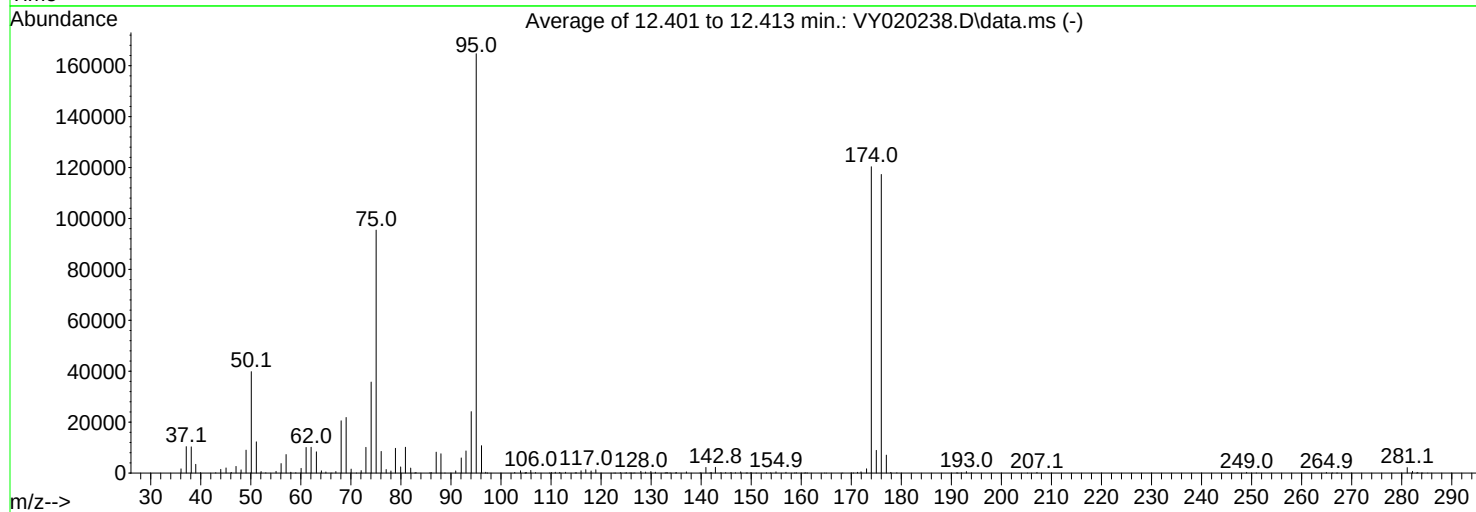
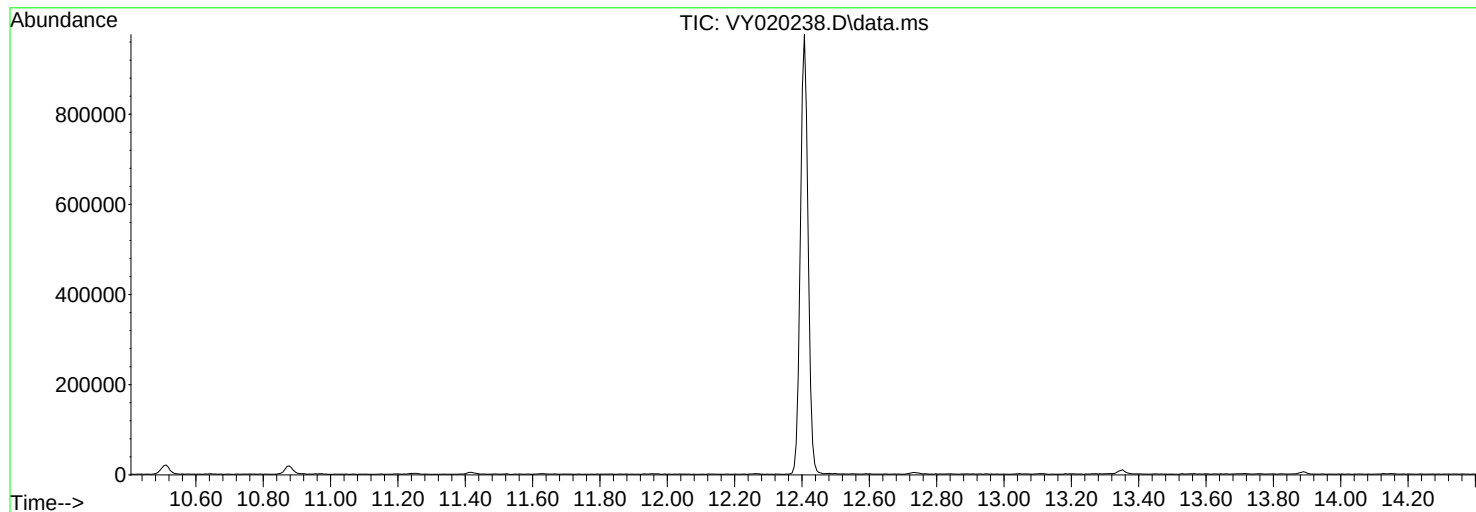
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020238.D
Acq On : 11 Nov 2024 09:30
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

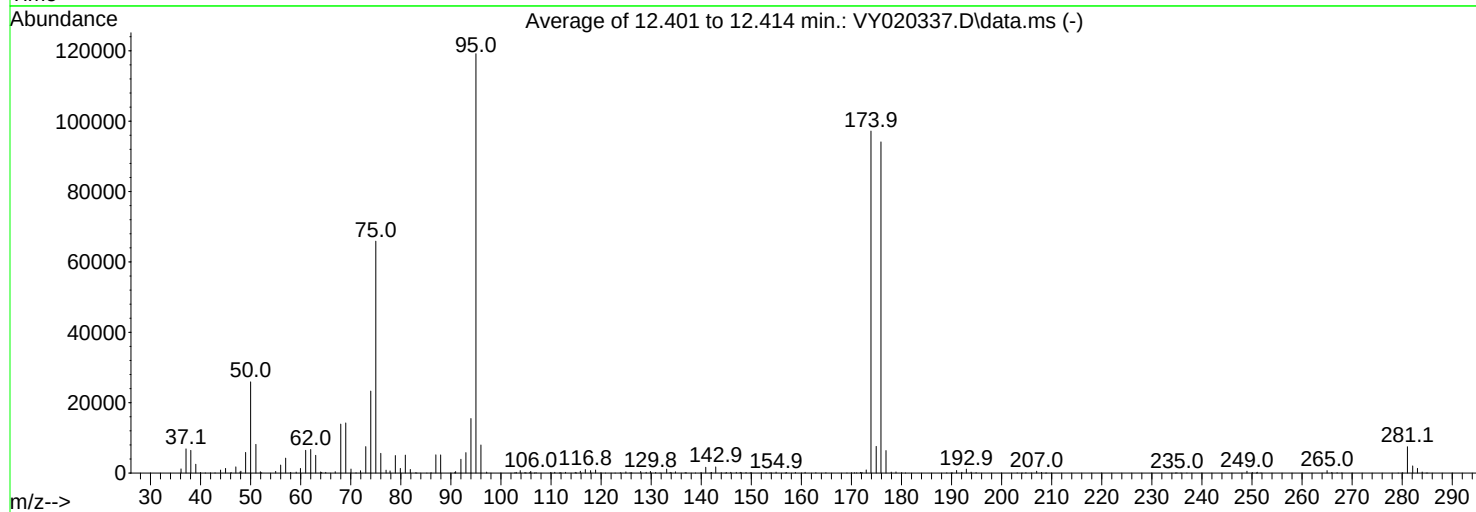
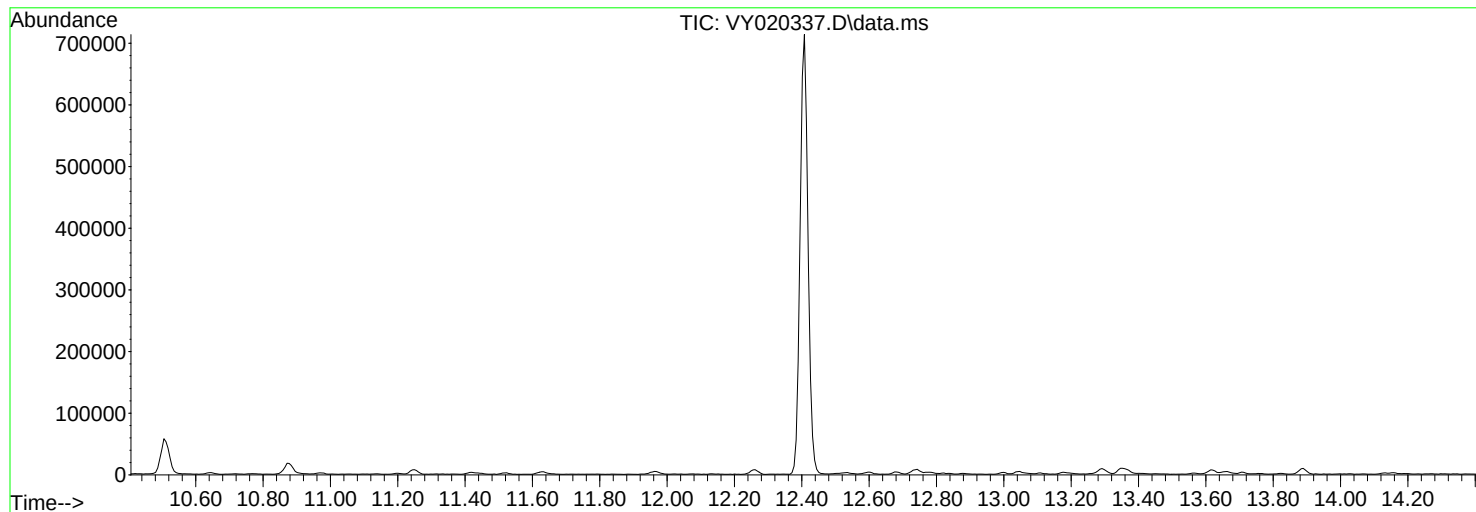
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.2	39845	PASS
75	95	30	60	57.9	95432	PASS
95	95	100	100	100.0	164693	PASS
96	95	5	9	6.5	10769	PASS
173	174	0.00	2	1.4	1675	PASS
174	95	50	100	73.1	120309	PASS
175	174	5	9	7.4	8916	PASS
176	174	95	101	97.5	117272	PASS
177	176	5	9	6.0	7053	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020337.D
Acq On : 19 Nov 2024 14:40
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\82Y111924S.M
Title : SW846 8260
Last Update : Wed Nov 20 04:38:24 2024



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

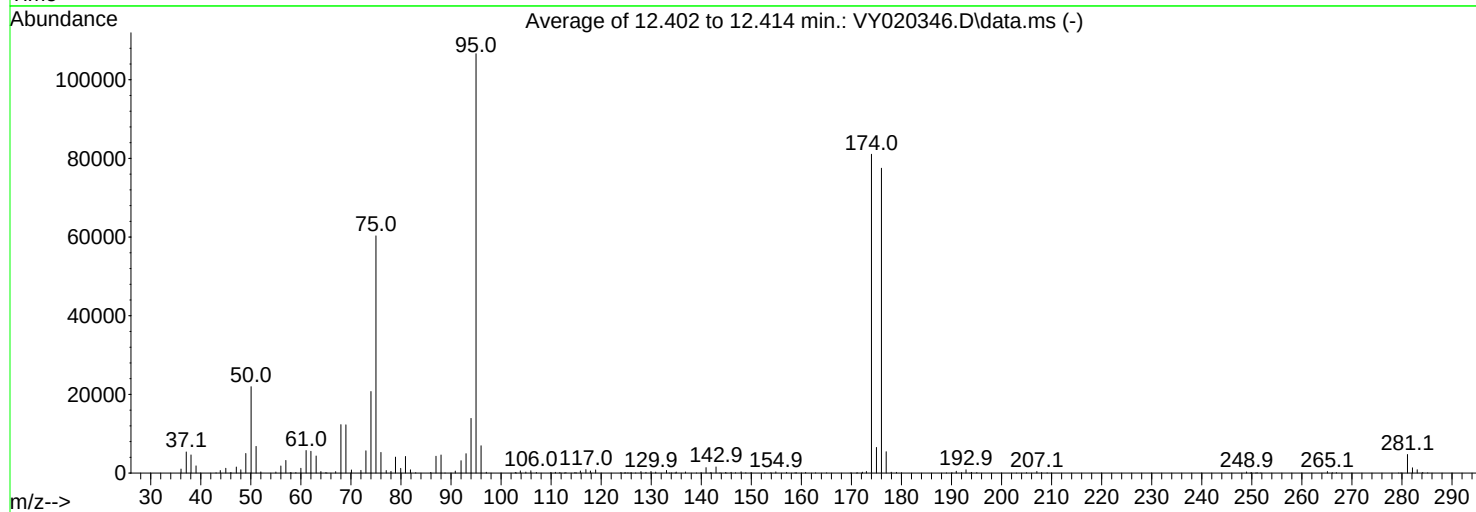
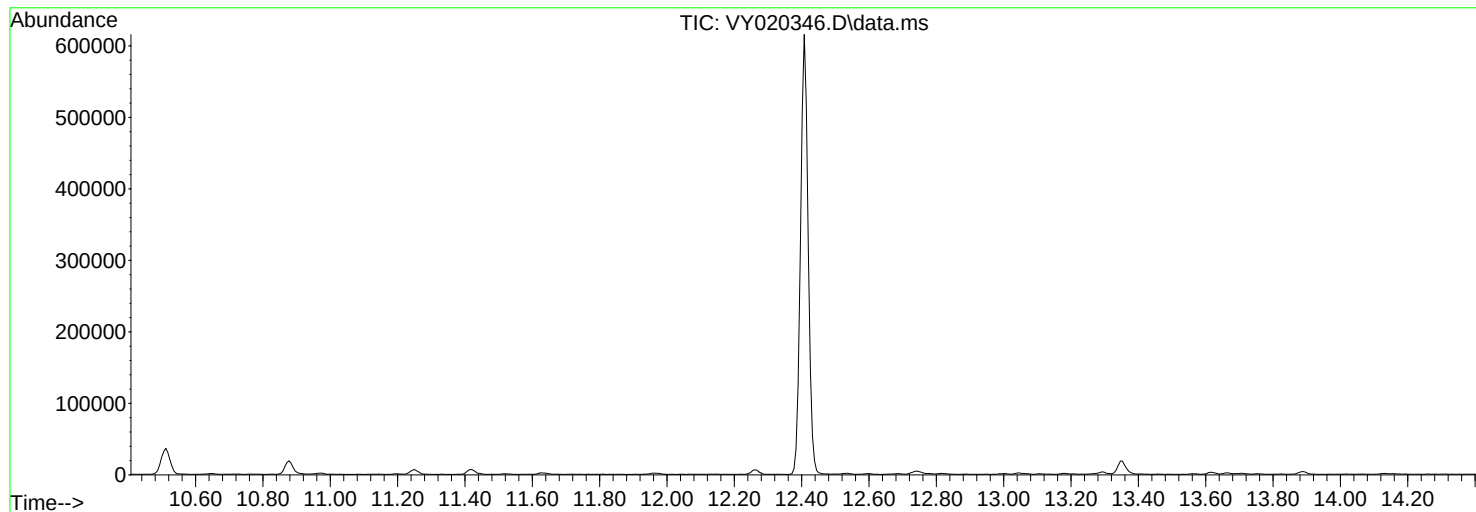
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	25915	PASS
75	95	30	60	55.3	65907	PASS
95	95	100	100	100.0	119168	PASS
96	95	5	9	6.7	7986	PASS
173	174	0.00	2	0.9	895	PASS
174	95	50	100	81.6	97187	PASS
175	174	5	9	7.8	7585	PASS
176	174	95	101	96.8	94104	PASS
177	176	5	9	6.8	6392	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020346.D
Acq On : 20 Nov 2024 08:23
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\82Y111924S.M
Title : SW846 8260
Last Update : Wed Nov 20 04:38:24 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	20.6	21968	PASS
75	95	30	60	56.6	60315	PASS
95	95	100	100	100.0	106611	PASS
96	95	5	9	6.5	6941	PASS
173	174	0.00	2	0.5	403	PASS
174	95	50	100	76.0	81061	PASS
175	174	5	9	8.0	6522	PASS
176	174	95	101	95.6	77504	PASS
177	176	5	9	7.0	5439	PASS

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBL01	SDG No.:	P4768
Lab Sample ID:	VY1111SBL01	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
VY020240.D	1		11/11/24 11:39	VY111124

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:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBL01	SDG No.:	P4768
Lab Sample ID:	VY1111SBL01	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
VY020240.D	1		11/11/24 11:39	VY111124

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	43.3		50 - 163	87%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		54 - 147	93%	SPK: 50
2037-26-5	Toluene-d8	47.9		58 - 134	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.0		29 - 146	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	215000	7.707			
540-36-3	1,4-Difluorobenzene	423000	8.616			
3114-55-4	Chlorobenzene-d5	357000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	112000	13.346			

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBL01	SDG No.:	P4768
Lab Sample ID:	VY1111SBL01	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
VY020240.D	1		11/11/24 11:39	VY111124

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\VY111124\
 Data File : VY020240.D
 Acq On : 11 Nov 2024 11:39
 Operator : SY/MD
 Sample : VY1111SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1111SBL01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
 Supervised By :Semsettin Yesilyurt 11/12/2024

Quant Time: Nov 11 23:12:15 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	215426	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	422891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	356582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	111959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116401	43.293	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.580%
35) Dibromofluoromethane	7.634	113	124770	46.405	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.800%
50) Toluene-d8	10.103	98	512470	47.884	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.760%
62) 4-Bromofluorobenzene	12.408	95	139172	40.035	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	80.060%

Target Compounds Qvalue

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

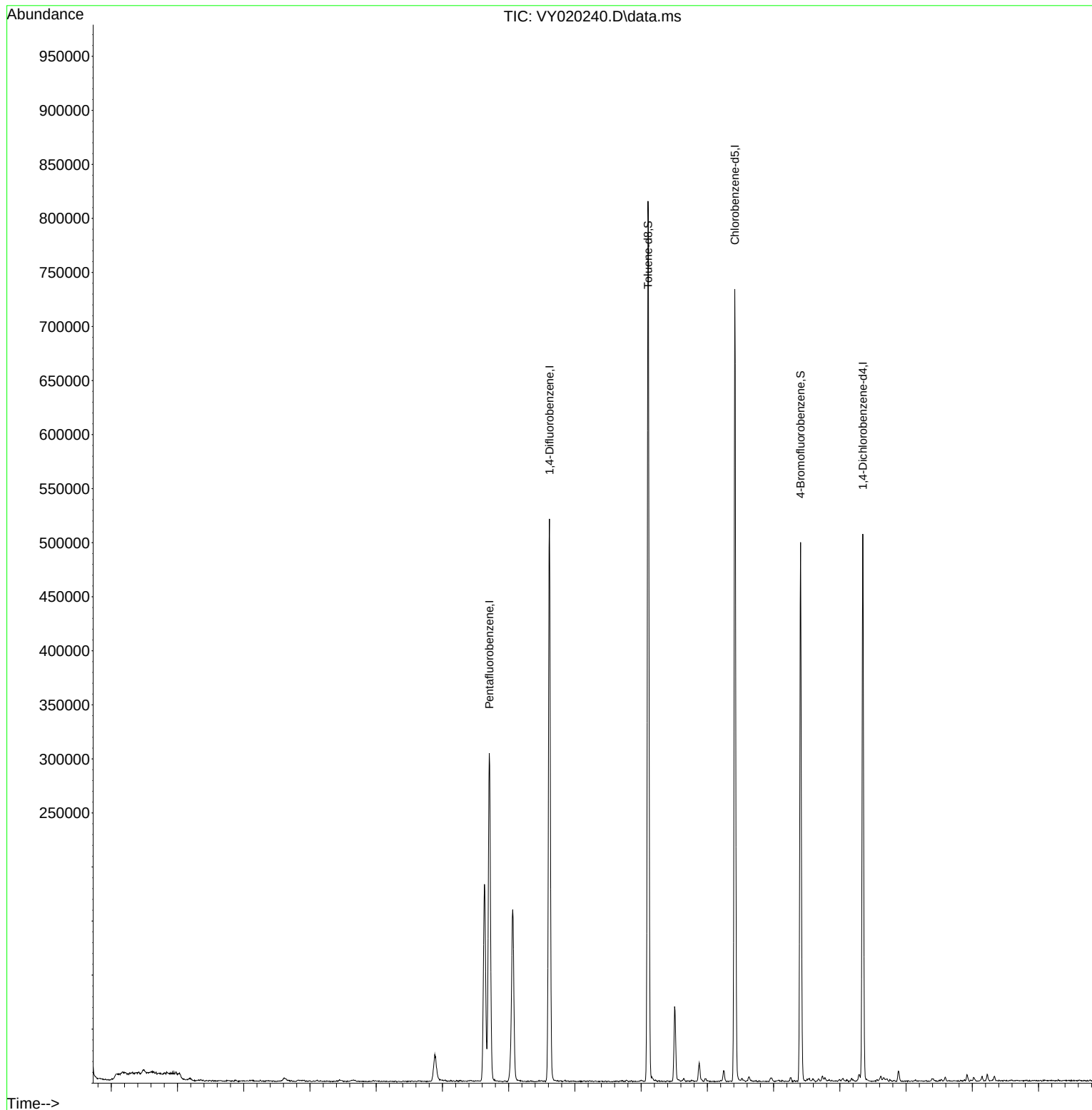
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Data File : VY020240.D
Acq On : 11 Nov 2024 11:39
Operator : SY/MD
Sample : VY1111SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

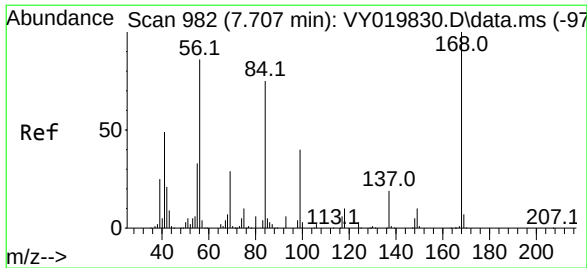
Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

Quant Time: Nov 11 23:12:15 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





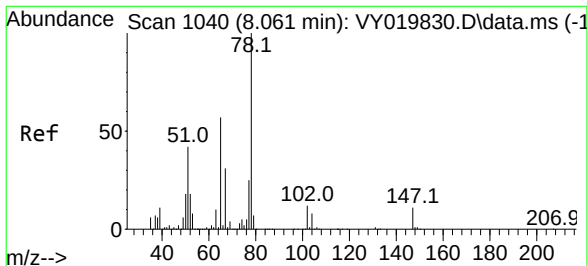
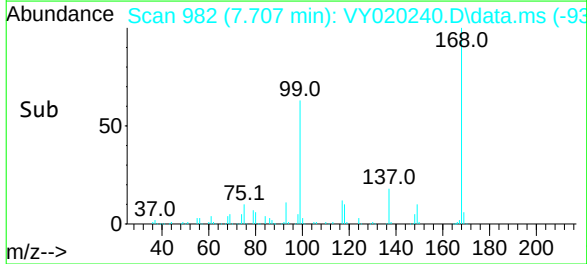
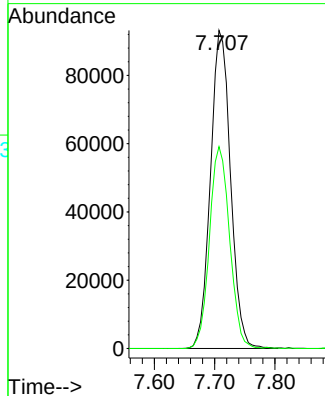
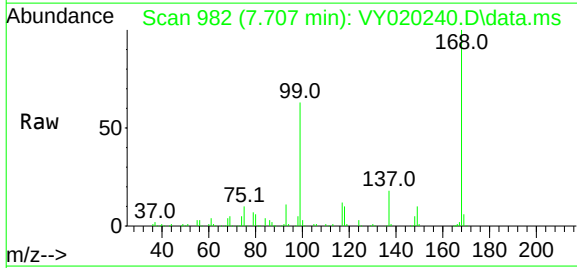
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY020240.D
Acq: 11 Nov 2024 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

Tgt Ion: 168 Resp: 215426
Ion Ratio Lower Upper
168 100
99 63.5 39.1 58.7#

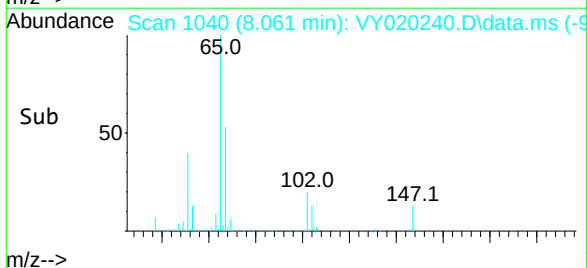
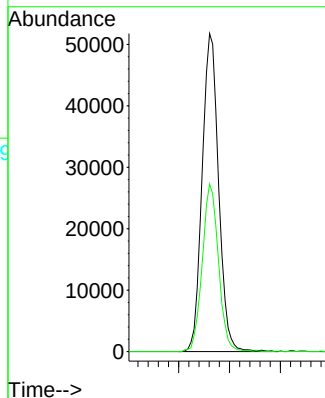
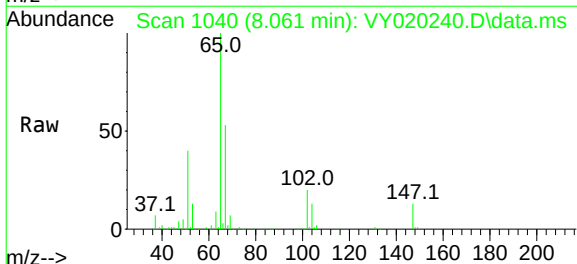
Manual Integrations
APPROVED

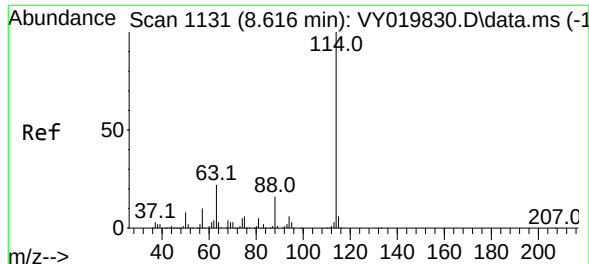
Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024



#33
1,2-Dichloroethane-d4
Concen: 43.293 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020240.D
Acq: 11 Nov 2024 11:39

Tgt Ion: 65 Resp: 116401
Ion Ratio Lower Upper
65 100
67 51.9 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: VY020240.D

Acq: 11 Nov 2024 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1111SBL01

Tgt Ion:114 Resp: 422891

Ion Ratio Lower Upper

114 100

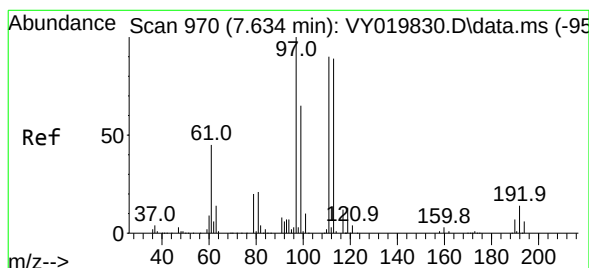
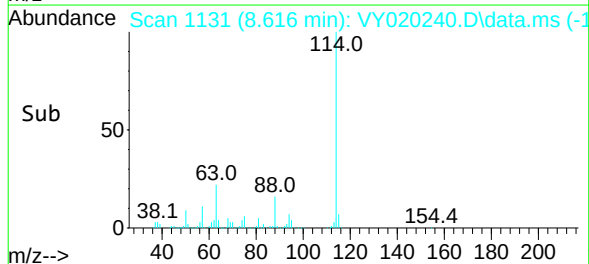
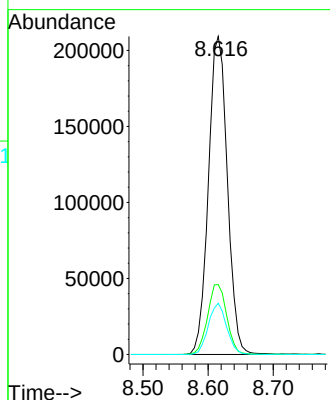
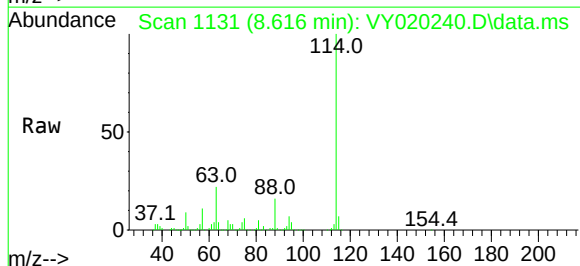
63 22.0 0.0 35.0

88 16.1 0.0 27.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
 Supervised By :Semsettin Yesilyurt 11/12/2024



#35

Dibromofluoromethane

Concen: 46.405 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY020240.D

Acq: 11 Nov 2024 11:39

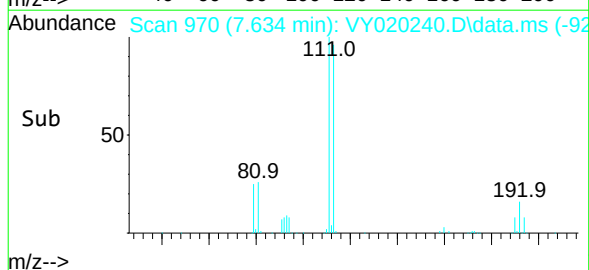
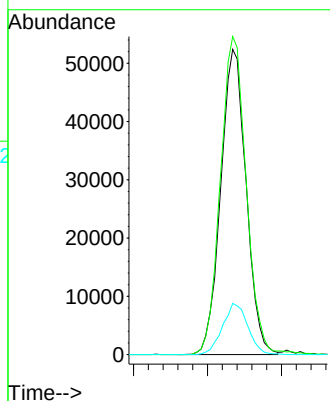
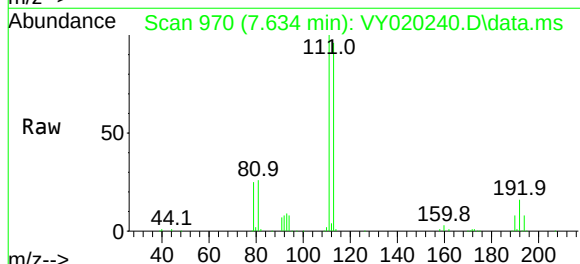
Tgt Ion:113 Resp: 124770

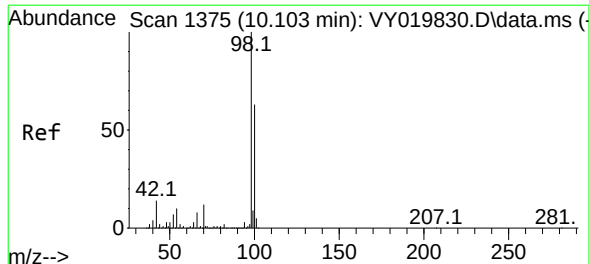
Ion Ratio Lower Upper

113 100

111 106.1 82.2 123.4

192 16.7 15.9 23.9





#50

Toluene-d8

Concen: 47.884 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY020240.D

Acq: 11 Nov 2024 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1111SBL01

Tgt Ion: 98 Resp: 512476

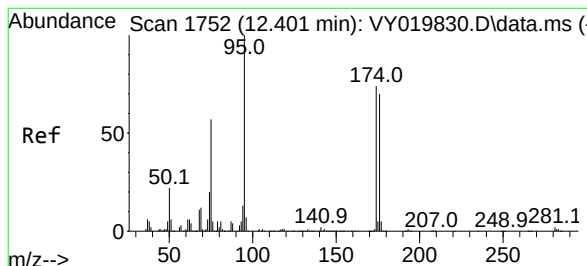
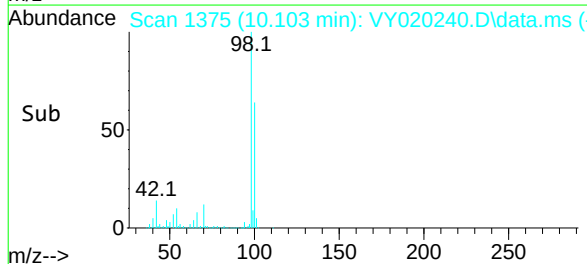
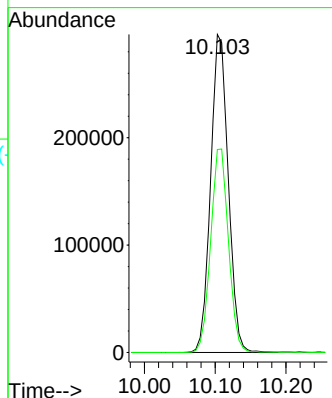
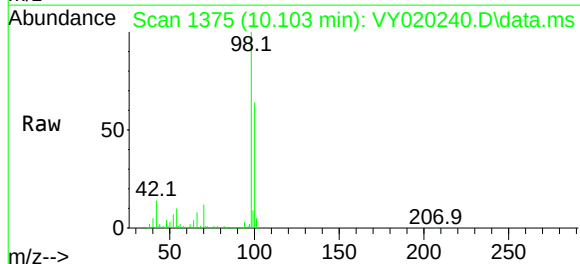
Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

#62

4-Bromofluorobenzene

Concen: 40.035 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020240.D

Acq: 11 Nov 2024 11:39

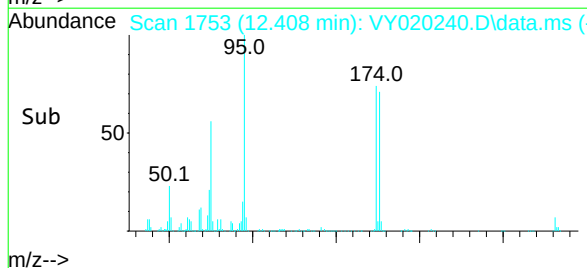
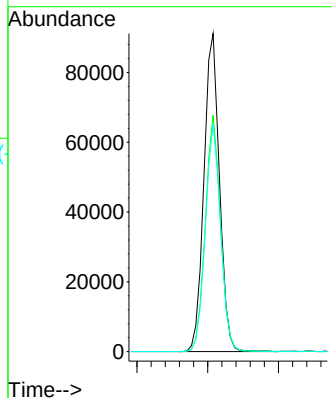
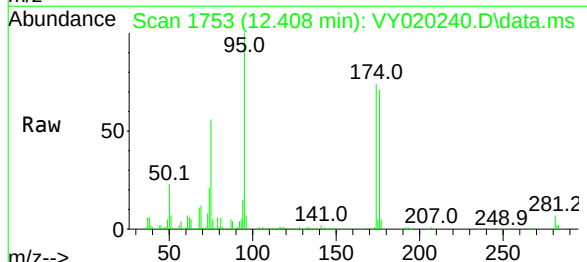
Tgt Ion: 95 Resp: 139172

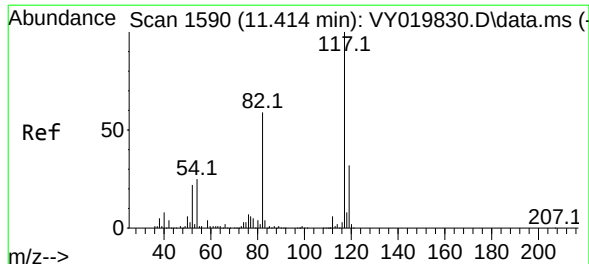
Ion Ratio Lower Upper

95 100

174 72.8 0.0 175.6

176 70.4 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: VY020240.D

Acq: 11 Nov 2024 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1111SBL01

Tgt Ion:117 Resp: 356582

Ion Ratio Lower Upper

117 100

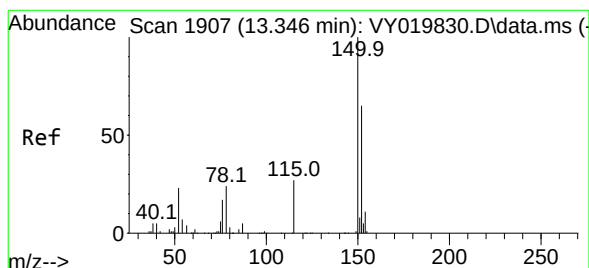
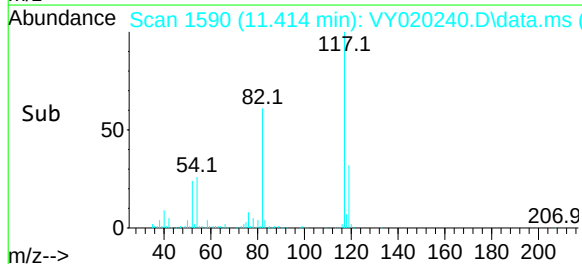
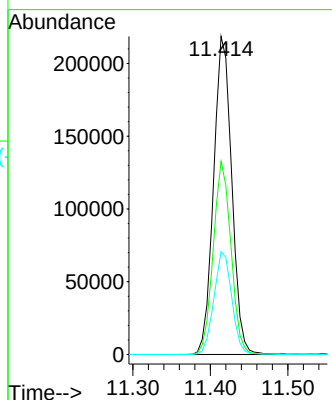
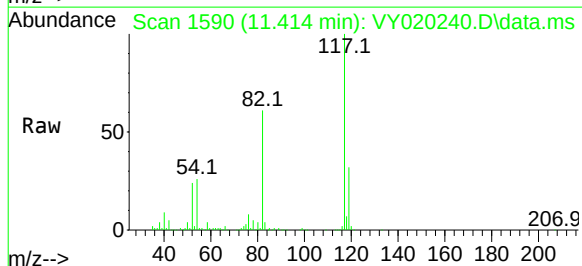
82 60.7 42.4 63.6

119 32.3 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
 Supervised By :Semsettin Yesilyurt 11/12/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020240.D

Acq: 11 Nov 2024 11:39

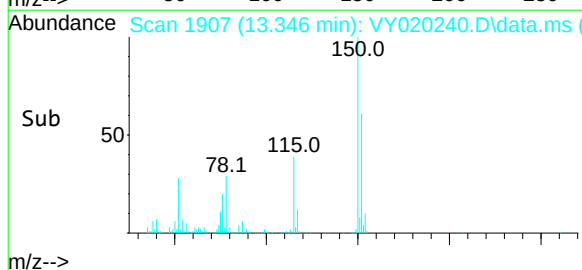
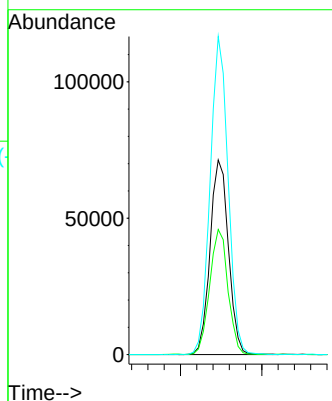
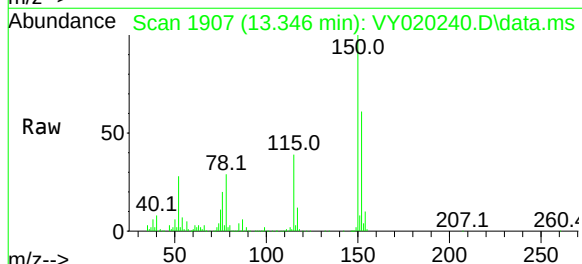
Tgt Ion:152 Resp: 111959

Ion Ratio Lower Upper

152 100

115 63.8 28.2 84.7

150 159.5 0.0 345.6



Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1120SBL01	SDG No.:	P4768
Lab Sample ID:	VY1120SBL01	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
VY020348.D	1		11/20/24 10:07	VY112024

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:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1120SBL01	SDG No.:	P4768
Lab Sample ID:	VY1120SBL01	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
VY020348.D	1		11/20/24 10:07	VY112024

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	53.2		50 - 163	106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		54 - 147	97%	SPK: 50
2037-26-5	Toluene-d8	48.1		58 - 134	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		29 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	7.713			
540-36-3	1,4-Difluorobenzene	313000	8.616			
3114-55-4	Chlorobenzene-d5	283000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.346			

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1120SBL01	SDG No.:	P4768
Lab Sample ID:	VY1120SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
	ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020348.D	1		11/20/24 10:07	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
 Data File : VY020348.D
 Acq On : 20 Nov 2024 10:07
 Operator : SY/MD
 Sample : VY1120SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1120SBL01

Quant Time: Nov 21 00:42:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	160712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	312610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	282610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	104132	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98287	53.232	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.460%
35) Dibromofluoromethane	7.634	113	96868	48.324	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.640%
50) Toluene-d8	10.109	98	379920	48.113	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.220%
62) 4-Bromofluorobenzene	12.408	95	122604	48.299	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	96.600%

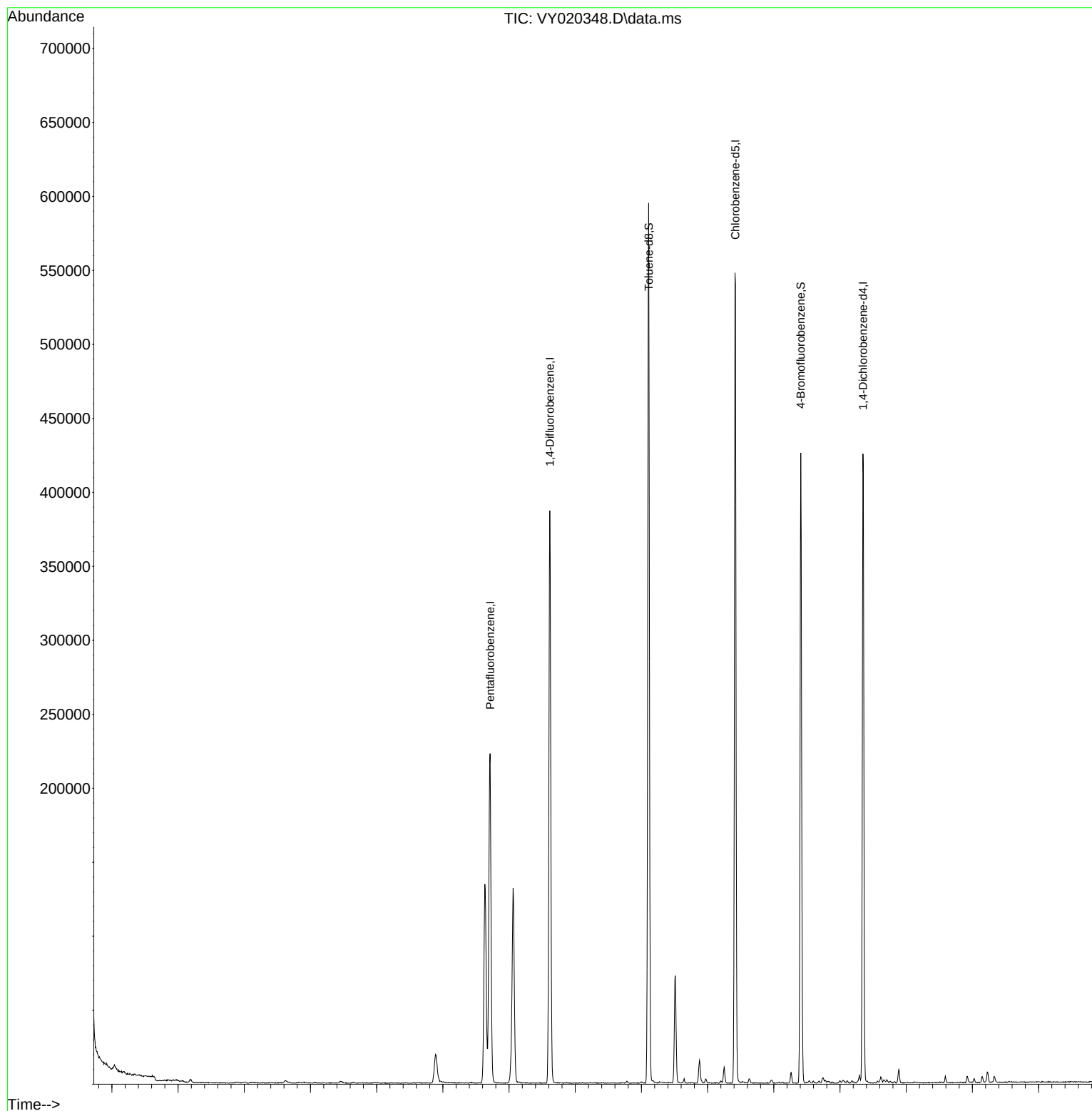
Target Compounds	Qvalue

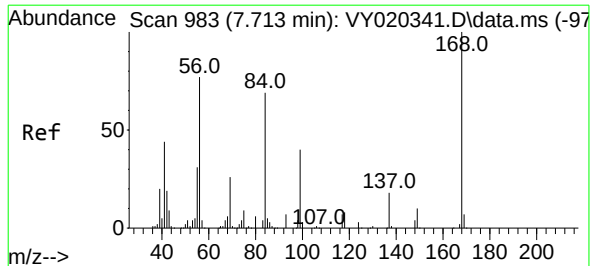
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020348.D
Acq On : 20 Nov 2024 10:07
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Quant Time: Nov 21 00:42:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

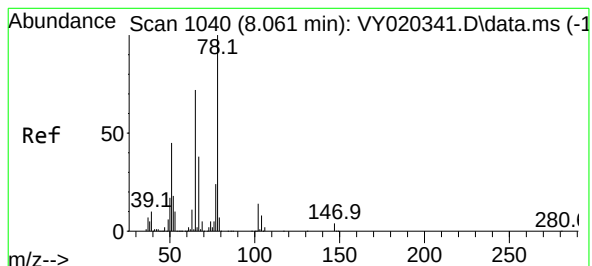
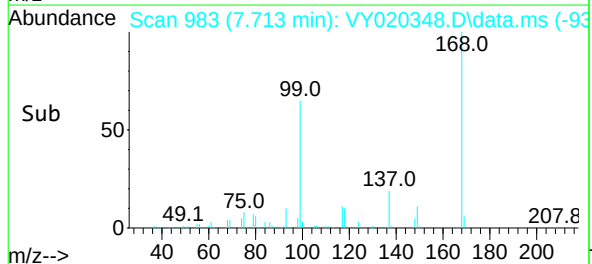
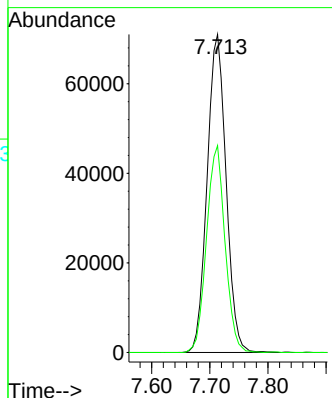
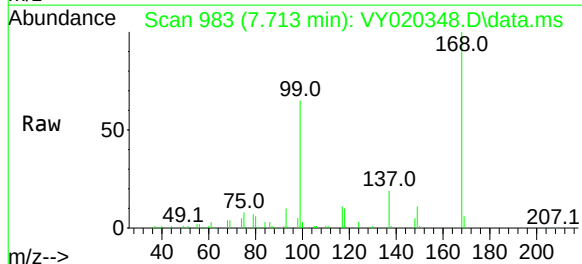




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

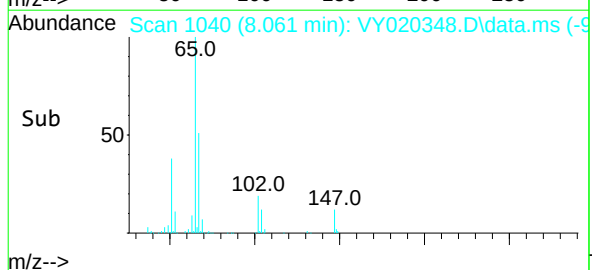
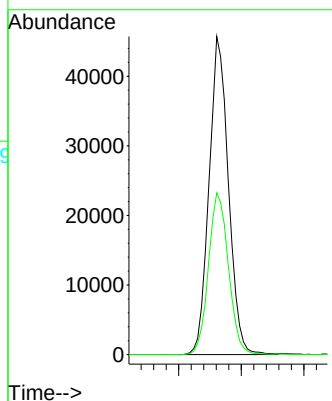
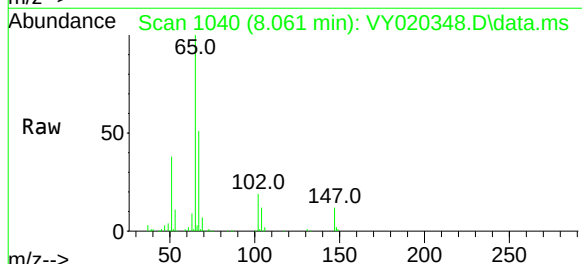
Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

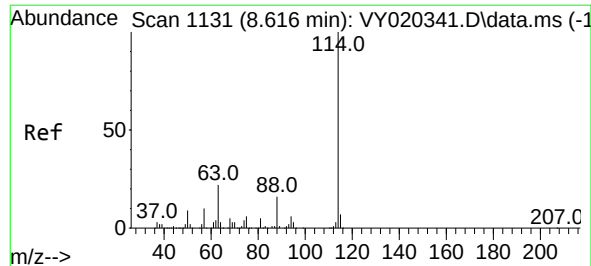
Tgt Ion:168 Resp: 160712
Ion Ratio Lower Upper
168 100
99 65.0 46.6 69.8



#33
1,2-Dichloroethane-d4
Concen: 53.232 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Tgt Ion: 65 Resp: 98287
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY020348.D

Acq: 20 Nov 2024 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1120SBL01

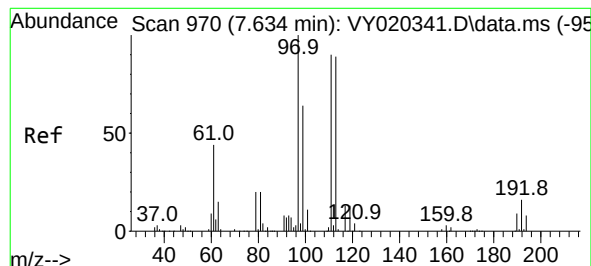
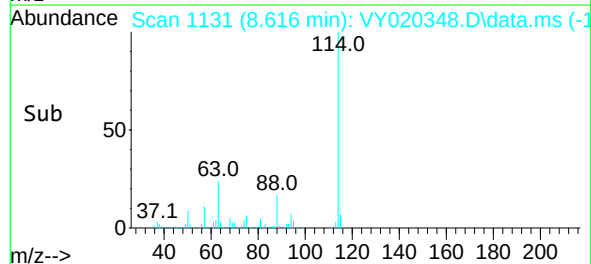
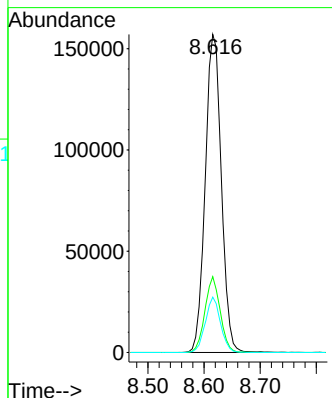
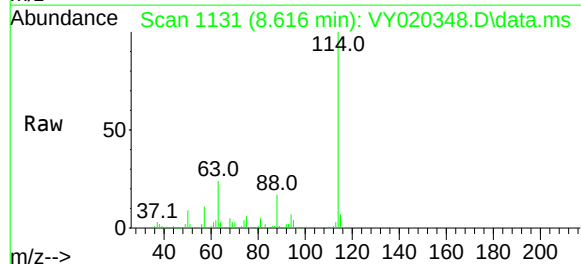
Tgt Ion:114 Resp: 312610

Ion Ratio Lower Upper

114 100

63 23.8 0.0 44.8

88 17.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 48.324 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY020348.D

Acq: 20 Nov 2024 10:07

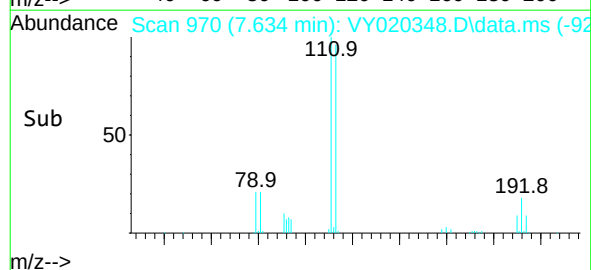
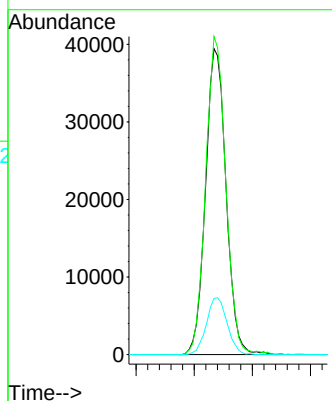
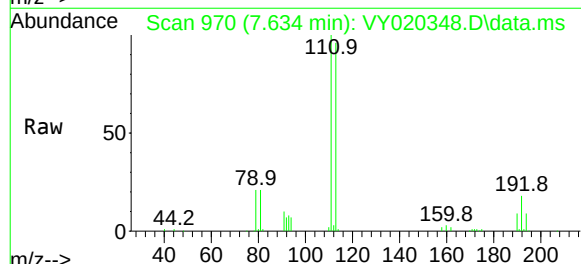
Tgt Ion:113 Resp: 96868

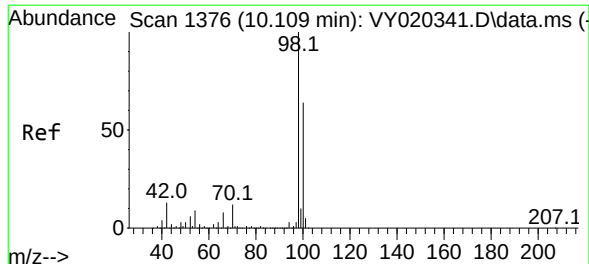
Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 18.7 15.1 22.7





#50

Toluene-d8

Concen: 48.113 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY020348.D

Acq: 20 Nov 2024 10:07

Instrument :

MSVOA_Y

ClientSampleId :

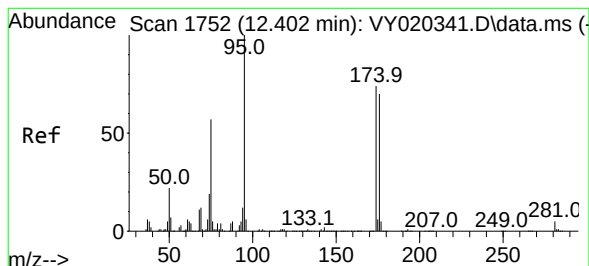
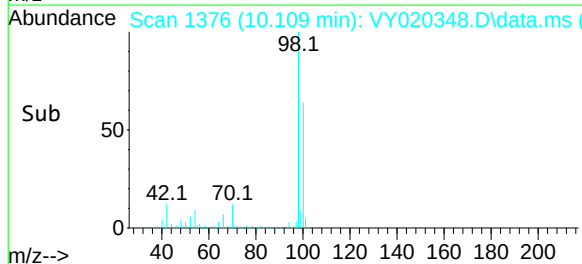
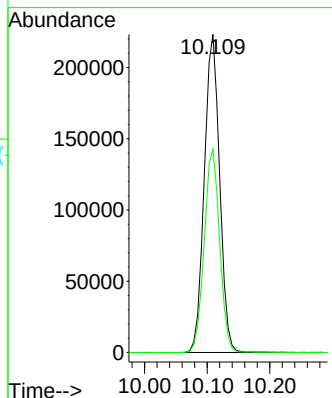
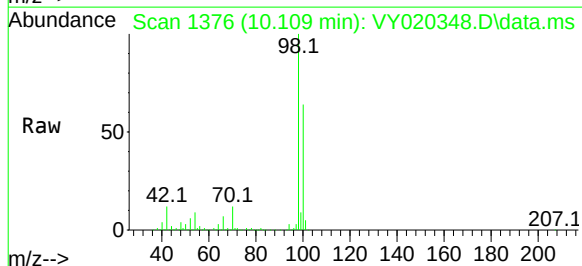
VY1120SBL01

Tgt Ion: 98 Resp: 379920

Ion Ratio Lower Upper

98 100

100 64.4 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 48.299 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY020348.D

Acq: 20 Nov 2024 10:07

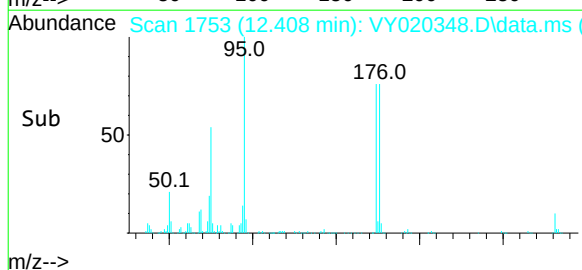
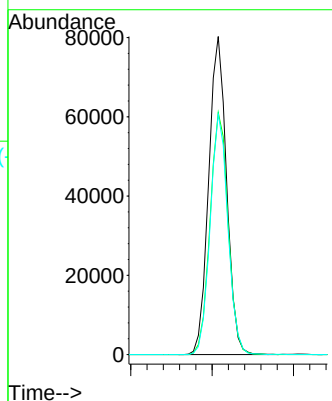
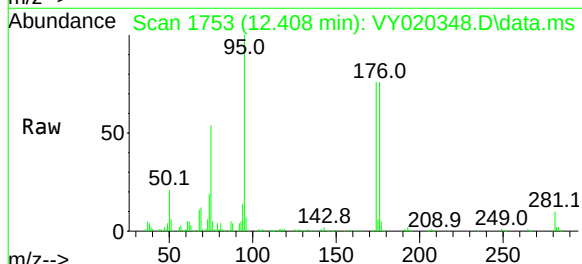
Tgt Ion: 95 Resp: 122604

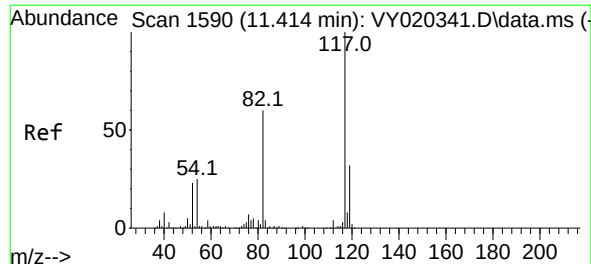
Ion Ratio Lower Upper

95 100

174 76.7 0.0 156.8

176 74.4 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1590

Delta R.T. 0.006 min

Lab File: VY020348.D

Acq: 20 Nov 2024 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1120SBL01

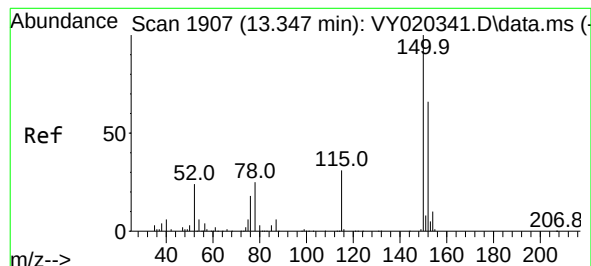
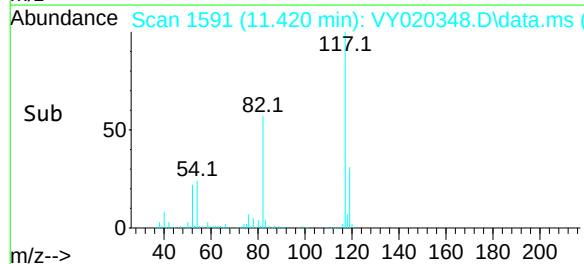
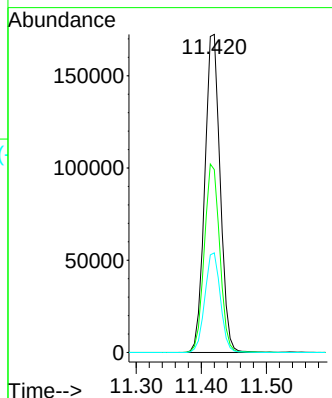
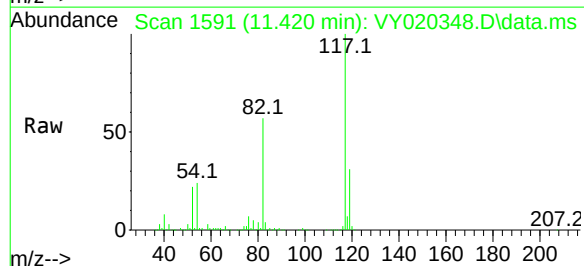
Tgt Ion:117 Resp: 282610

Ion Ratio Lower Upper

117 100

82 57.5 48.2 72.4

119 31.3 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY020348.D

Acq: 20 Nov 2024 10:07

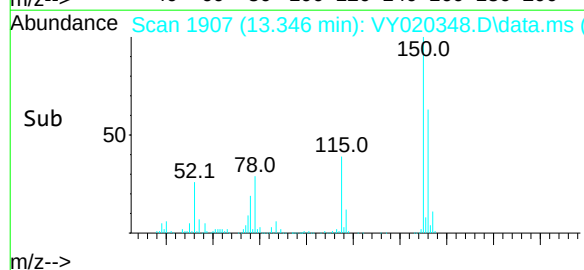
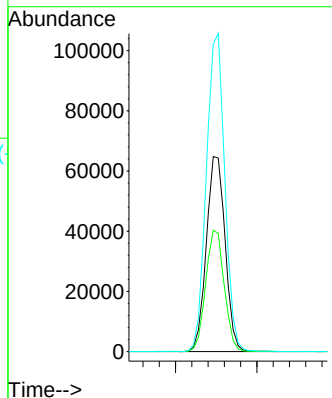
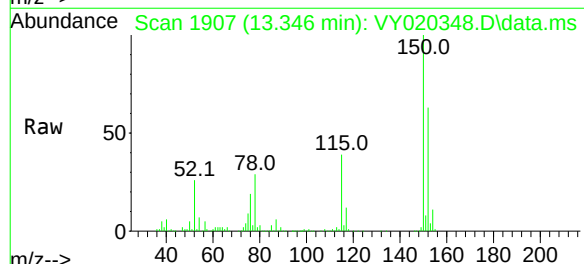
Tgt Ion:152 Resp: 104132

Ion Ratio Lower Upper

152 100

115 61.2 30.0 90.0

150 159.5 0.0 348.2



Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBS01	SDG No.:	P4768
Lab Sample ID:	VY1111SBS01	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
VY020241.D	1		11/11/24 12:16	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	22.0		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.7		0.77	5.00	ug/Kg
74-83-9	Bromomethane	24.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	23.8		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.7		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.4		0.78	5.00	ug/Kg
67-64-1	Acetone	88.8		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.2		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.6		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	19.2		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	18.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.6		0.69	5.00	ug/Kg
78-93-3	2-Butanone	93.2		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.3		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	18.6		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.4		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.9		0.87	5.00	ug/Kg
71-43-2	Benzene	20.4		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.3		4.40	25.0	ug/Kg
108-88-3	Toluene	20.3		0.67	5.00	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBS01	SDG No.:	P4768
Lab Sample ID:	VY1111SBS01	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
VY020241.D	1		11/11/24 12:16	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.2		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	95.2		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.6		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.6		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.3		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.0		0.70	5.00	ug/Kg
100-42-5	Styrene	21.0		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.2		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.3		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.2		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.6		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.2		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.1		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.7		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		50 - 163	105%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		54 - 147	107%	SPK: 50
2037-26-5	Toluene-d8	52.1		58 - 134	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		29 - 146	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	254000	7.707			
540-36-3	1,4-Difluorobenzene	456000	8.616			
3114-55-4	Chlorobenzene-d5	389000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	180000	13.346			

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBS01	SDG No.:	P4768
Lab Sample ID:	VY1111SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	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
VY020241.D	1		11/11/24 12:16	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020241.D
 Acq On : 11 Nov 2024 12:16
 Operator : SY/MD
 Sample : VY1111SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1111SBS01

Quant Time: Nov 11 23:12:39 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
 Supervised By :Semsettin Yesilyurt 11/12/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	253989	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	455957	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	389005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	179570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165863	52.324	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	104.640%	
35) Dibromofluoromethane	7.634	113	154900	53.433	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	106.860%	
50) Toluene-d8	10.109	98	600816	52.067	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	104.140%	
62) 4-Bromofluorobenzene	12.408	95	199524	53.234	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	106.460%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	38187	16.242	ug/l	100
3) Chloromethane	2.068	50	85843	22.043	ug/l	100
4) Vinyl Chloride	2.202	62	90862	21.733	ug/l	100
5) Bromomethane	2.598	94	69236	24.943	ug/l	96
6) Chloroethane	2.732	64	64277	23.823	ug/l	95
7) Trichlorofluoromethane	3.050	101	115870	22.687	ug/l	91
8) Diethyl Ether	3.452	74	29326	20.587	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.818	101	59545	20.786	ug/l	91
10) Methyl Iodide	4.007	142	53732	19.428	ug/l #	88
11) Tert butyl alcohol	4.897	59	19854	87.073	ug/l #	96
12) 1,1-Dichloroethene	3.787	96	53053	19.356	ug/l #	81
13) Acrolein	3.653	56	20217	71.226	ug/l	97
14) Allyl chloride	4.385	41	96155	19.445	ug/l #	88
15) Acrylonitrile	5.067	53	61926	95.502	ug/l #	88
16) Acetone	3.885	43	65485	88.831	ug/l #	86
17) Carbon Disulfide	4.104	76	157124	17.226	ug/l	99
18) Methyl Acetate	4.397	43	33223	19.208	ug/l #	87
19) Methyl tert-butyl Ether	5.116	73	142049	20.600	ug/l	97
20) Methylene Chloride	4.610	84	60665	18.319	ug/l #	86
21) trans-1,2-Dichloroethene	5.116	96	61553	19.913	ug/l	85
22) Diisopropyl ether	6.019	45	209720	20.437	ug/l	90
23) Vinyl Acetate	5.964	43	564731	97.788	ug/l #	92
24) 1,1-Dichloroethane	5.915	63	120722	20.317	ug/l	94
25) 2-Butanone	6.902	43	93133	93.199	ug/l #	82
26) 2,2-Dichloropropane	6.884	77	104436	21.124	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	72082	20.286	ug/l	82
28) Bromochloromethane	7.250	49	51776	18.609	ug/l #	73
29) Tetrahydrofuran	7.268	42	54029	93.688	ug/l #	83
30) Chloroform	7.421	83	122990	20.858	ug/l	95
31) Cyclohexane	7.701	56	107127	18.622	ug/l	87
32) 1,1,1-Trichloroethane	7.616	97	109910	21.350	ug/l	95
36) 1,1-Dichloropropene	7.835	75	87511	19.541	ug/l	95
37) Ethyl Acetate	6.988	43	38623	18.090	ug/l	96
38) Carbon Tetrachloride	7.817	117	90560	20.110	ug/l	91
39) Methylcyclohexane	9.109	83	107324	18.883	ug/l	88
40) Benzene	8.079	78	266254	20.370	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020241.D
 Acq On : 11 Nov 2024 12:16
 Operator : SY/MD
 Sample : VY1111SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1111SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
 Supervised By :Semsettin Yesilyurt 11/12/2024

Quant Time: Nov 11 23:12:39 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	23399	21.878	ug/l #	81
42) 1,2-Dichloroethane	8.158	62	73765	20.388	ug/l	94
43) Isopropyl Acetate	8.195	43	79549	19.375	ug/l #	78
44) Trichloroethene	8.866	130	61471	20.291	ug/l	81
45) 1,2-Dichloropropane	9.140	63	64220	20.535	ug/l	99
46) Dibromomethane	9.231	93	34002	20.066	ug/l	89
47) Bromodichloromethane	9.426	83	91687	20.654	ug/l #	99
48) Methyl methacrylate	9.225	41	36189	19.029	ug/l #	82
49) 1,4-Dioxane	9.244	88	6267	359.225	ug/l #	65
51) 4-Methyl-2-Pentanone	9.999	43	201703	95.344	ug/l	89
52) Toluene	10.170	92	163562	20.300	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	79067	20.170	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	97807	20.904	ug/l #	83
55) 1,1,2-Trichloroethane	10.573	97	44581	21.160	ug/l	98
56) Ethyl methacrylate	10.438	69	59914	19.824	ug/l #	75
57) 1,3-Dichloropropane	10.713	76	78482	20.341	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	128400	86.147	ug/l	93
59) 2-Hexanone	10.762	43	144436	95.232	ug/l	85
60) Dibromochloromethane	10.908	129	55415	20.634	ug/l	100
61) 1,2-Dibromoethane	11.012	107	38944	19.895	ug/l	98
64) Tetrachloroethene	10.646	164	55581	21.640	ug/l	93
65) Chlorobenzene	11.444	112	171415	20.680	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	55907	21.111	ug/l	98
67) Ethyl Benzene	11.518	91	319818	20.641	ug/l	98
68) m/p-Xylenes	11.627	106	240043	42.344	ug/l	95
69) o-Xylene	11.956	106	112695	20.997	ug/l	94
70) Styrene	11.969	104	185921	20.951	ug/l	95
71) Bromoform	12.133	173	28760	21.169	ug/l #	94
73) Isopropylbenzene	12.255	105	305375	21.288	ug/l	98
74) N-amyl acetate	12.072	43	68021	18.969	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	50627	20.180	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	37838m	22.479	ug/l	
77) Bromobenzene	12.530	156	60967	21.015	ug/l	84
78) n-propylbenzene	12.597	91	378368	21.193	ug/l	96
79) 2-Chlorotoluene	12.682	91	210799	21.271	ug/l	93
80) 1,3,5-Trimethylbenzene	12.737	105	240929	20.920	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	15315	19.570	ug/l #	78
82) 4-Chlorotoluene	12.779	91	213795	21.159	ug/l	94
83) tert-Butylbenzene	12.999	119	216820	21.530	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	238577	20.915	ug/l	96
85) sec-Butylbenzene	13.176	105	321940	20.824	ug/l	97
86) p-Isopropyltoluene	13.292	119	259341	20.905	ug/l	95
87) 1,3-Dichlorobenzene	13.292	146	121202	20.565	ug/l	96
88) 1,4-Dichlorobenzene	13.371	146	120603	20.549	ug/l	96
89) n-Butylbenzene	13.621	91	258936	20.821	ug/l	96
90) Hexachloroethane	13.883	117	49679	20.248	ug/l	89
91) 1,2-Dichlorobenzene	13.657	146	108544	21.188	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7546	19.833	ug/l	71
93) 1,2,4-Trichlorobenzene	14.925	180	52673	19.140	ug/l	97
94) Hexachlorobutadiene	15.023	225	30539	20.294	ug/l	99
95) Naphthalene	15.145	128	94547	18.379	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	43712	18.712	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020241.D
Acq On : 11 Nov 2024 12:16
Operator : SY/MD
Sample : VY1111SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

Quant Time: Nov 11 23:12:39 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

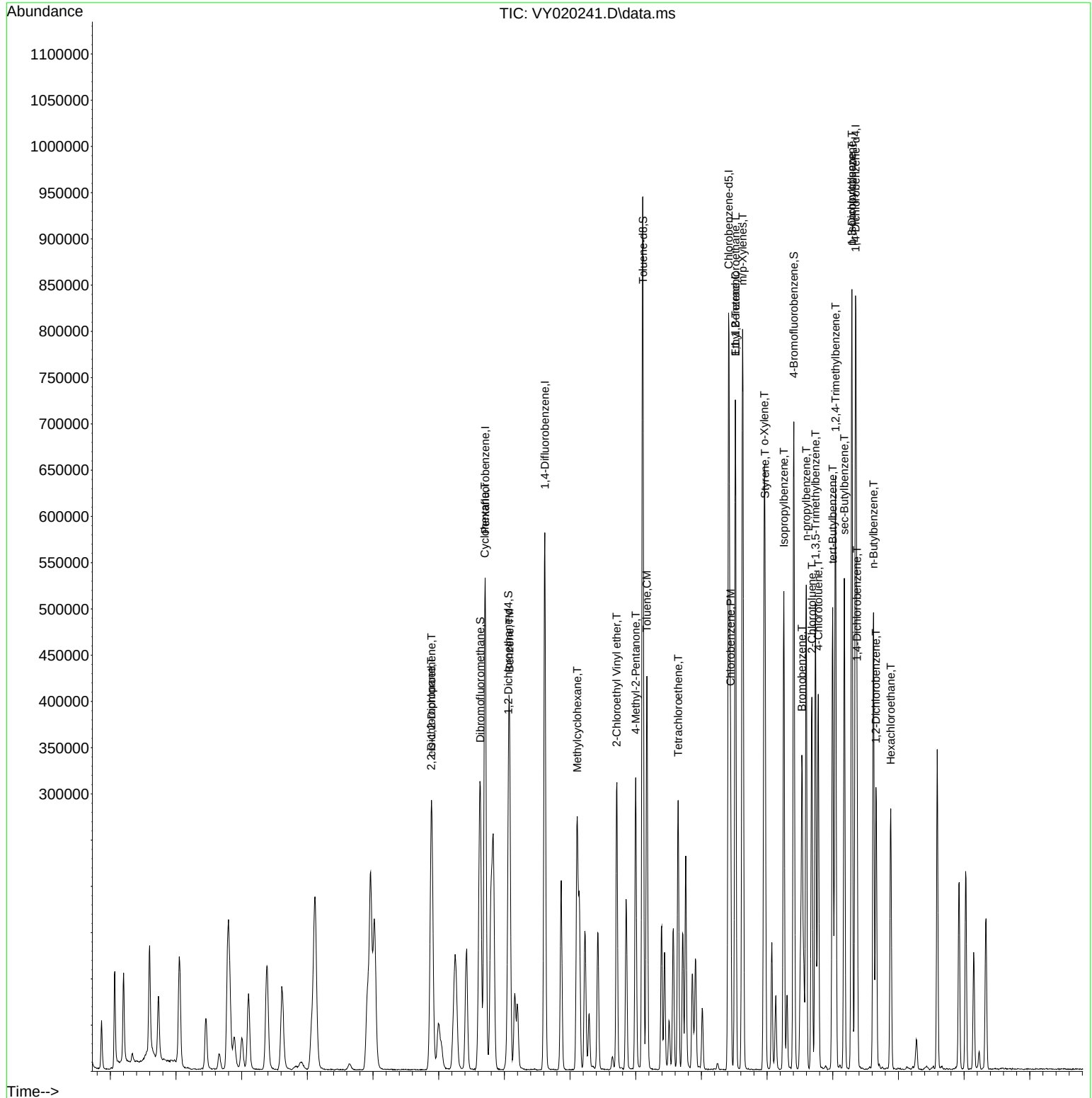
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020241.D
Acq On : 11 Nov 2024 12:16
Operator : SY/MD
Sample : VY1111SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

Quant Time: Nov 11 23:12:39 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:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1120SBS01	SDG No.:	P4768
Lab Sample ID:	VY1120SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
	ID :	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020349.D	1		11/20/24 10:53	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.8		1.70	5.00	ug/Kg
74-87-3	Chloromethane	14.5		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	16.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	16.6		1.00	5.00	ug/Kg
75-00-3	Chloroethane	15.9		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.1		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	17.9		0.78	5.00	ug/Kg
67-64-1	Acetone	85.6		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.2		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	17.6		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	16.3		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	17.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.2		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	17.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.4		0.69	5.00	ug/Kg
78-93-3	2-Butanone	92.7		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.2		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.0		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	17.3		2.40	5.00	ug/Kg
67-66-3	Chloroform	17.6		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	19.5		0.87	5.00	ug/Kg
71-43-2	Benzene	18.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.0		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.6		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	18.2		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	18.4		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	93.2		4.40	25.0	ug/Kg
108-88-3	Toluene	18.9		0.67	5.00	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1120SBS01	SDG No.:	P4768
Lab Sample ID:	VY1120SBS01	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
VY020349.D	1		11/20/24 10:53	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	18.9		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	17.9		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	94.7		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	17.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	17.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.4		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.3		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.7		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.6		0.70	5.00	ug/Kg
100-42-5	Styrene	19.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.7		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.5		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	17.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.1		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	17.9		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.2		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.2		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.3		50 - 163	87%	SPK: 50
1868-53-7	Dibromofluoromethane	41.3		54 - 147	83%	SPK: 50
2037-26-5	Toluene-d8	42.7		58 - 134	85%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		29 - 146	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	7.713			
540-36-3	1,4-Difluorobenzene	347000	8.616			
3114-55-4	Chlorobenzene-d5	288000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	135000	13.353			

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1120SBS01	SDG No.:	P4768
Lab Sample ID:	VY1120SBS01	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
VY020349.D	1		11/20/24 10:53	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
 Data File : VY020349.D
 Acq On : 20 Nov 2024 10:53
 Operator : SY/MD
 Sample : VY1120SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1120SBS01

Quant Time: Nov 21 00:43:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	210349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	347339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	288195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	135305	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104695	43.322	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.640%
35) Dibromofluoromethane	7.634	113	92069	41.338	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.680%
50) Toluene-d8	10.109	98	374295	42.662	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.320%
62) 4-Bromofluorobenzene	12.408	95	124792	44.246	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	88.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	44542	21.815	ug/l	96
3) Chloromethane	2.074	50	47600	14.524	ug/l	97
4) Vinyl Chloride	2.208	62	44857	16.014	ug/l	99
5) Bromomethane	2.598	94	23155	16.552	ug/l	97
6) Chloroethane	2.739	64	26010	15.918	ug/l	100
7) Trichlorofluoromethane	3.062	101	74348	19.100	ug/l	97
8) Diethyl Ether	3.458	74	21497	17.504	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	42301	18.248	ug/l	99
10) Methyl Iodide	4.007	142	53198	17.133	ug/l	94
11) Tert butyl alcohol	4.860	59	15294	80.697	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	41036	17.883	ug/l	99
13) Acrolein	3.659	56	17734	118.509	ug/l	99
14) Allyl chloride	4.385	41	77268	17.413	ug/l	93
15) Acrylonitrile	5.067	53	48016	88.443	ug/l	99
16) Acetone	3.873	43	49582	85.583	ug/l	95
17) Carbon Disulfide	4.110	76	132661	17.160	ug/l	98
18) Methyl Acetate	4.391	43	22014	16.301	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	104902	17.598	ug/l	99
20) Methylene Chloride	4.622	84	42492	17.320	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	43797	17.185	ug/l	86
22) Diisopropyl ether	6.025	45	153700	17.577	ug/l	98
23) Vinyl Acetate	5.964	43	423950	86.755	ug/l	98
24) 1,1-Dichloroethane	5.921	63	86954	17.614	ug/l	99
25) 2-Butanone	6.902	43	69106	92.655	ug/l	96
26) 2,2-Dichloropropane	6.890	77	77244	18.932	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	50560	18.011	ug/l	96
28) Bromochloromethane	7.250	49	36015	17.334	ug/l	95
29) Tetrahydrofuran	7.268	42	40198	90.176	ug/l	98
30) Chloroform	7.427	83	83960	17.613	ug/l	98
31) Cyclohexane	7.707	56	83104	18.447	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	78369	18.723	ug/l	99
36) 1,1-Dichloropropene	7.841	75	65647	19.298	ug/l	97
37) Ethyl Acetate	6.988	43	29576	18.979	ug/l	98
38) Carbon Tetrachloride	7.823	117	71712	20.190	ug/l	97
39) Methylcyclohexane	9.109	83	82939	19.481	ug/l	97
40) Benzene	8.085	78	188187	18.877	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
 Data File : VY020349.D
 Acq On : 20 Nov 2024 10:53
 Operator : SY/MD
 Sample : VY1120SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1120SBS01

Quant Time: Nov 21 00:43:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	15336	17.296	ug/l	98
42) 1,2-Dichloroethane	8.158	62	51081	18.983	ug/l	98
43) Isopropyl Acetate	8.201	43	56097	18.511	ug/l	98
44) Trichloroethene	8.866	130	43825	18.554	ug/l	96
45) 1,2-Dichloropropane	9.146	63	43294	18.202	ug/l	98
46) Dibromomethane	9.231	93	22071	18.104	ug/l	99
47) Bromodichloromethane	9.426	83	61888	18.390	ug/l	96
48) Methyl methacrylate	9.225	41	26668	18.406	ug/l	96
49) 1,4-Dioxane	9.231	88	4839	385.821	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	143304	93.180	ug/l	99
52) Toluene	10.170	92	115311	18.924	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	57785	18.158	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	68828	18.893	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	28937	17.882	ug/l	99
56) Ethyl methacrylate	10.438	69	42601	17.530	ug/l	99
57) 1,3-Dichloropropane	10.719	76	53070	18.248	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	117864	102.283	ug/l	100
59) 2-Hexanone	10.762	43	103150	94.718	ug/l	100
60) Dibromochloromethane	10.914	129	37413	17.937	ug/l	95
61) 1,2-Dibromoethane	11.018	107	26457	17.644	ug/l	100
64) Tetrachloroethene	10.652	164	38299	18.436	ug/l	95
65) Chlorobenzene	11.444	112	117902	18.348	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	40272	18.761	ug/l	98
67) Ethyl Benzene	11.524	91	222103	18.736	ug/l	99
68) m/p-Xylenes	11.627	106	162580	38.075	ug/l	97
69) o-Xylene	11.956	106	75181	18.563	ug/l	95
70) Styrene	11.969	104	129129	19.190	ug/l	98
71) Bromoform	12.133	173	20923	18.702	ug/l #	98
73) Isopropylbenzene	12.255	105	211498	18.452	ug/l	100
74) N-amyl acetate	12.072	43	49071	17.716	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	31996	17.272	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	21610m	16.945	ug/l	
77) Bromobenzene	12.536	156	42295	17.613	ug/l	94
78) n-propylbenzene	12.597	91	254825	18.525	ug/l	100
79) 2-Chlorotoluene	12.682	91	141572	17.900	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	171185	18.480	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	11591	17.809	ug/l	98
82) 4-Chlorotoluene	12.779	91	145630	17.841	ug/l	98
83) tert-Butylbenzene	12.999	119	150086	18.360	ug/l	96
84) 1,2,4-Trimethylbenzene	13.048	105	168413	18.338	ug/l	99
85) sec-Butylbenzene	13.176	105	221967	17.224	ug/l	100
86) p-Isopropyltoluene	13.298	119	188045	18.872	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	86339	17.781	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	83938	18.093	ug/l	98
89) n-Butylbenzene	13.621	91	178851	18.744	ug/l	100
90) Hexachloroethane	13.883	117	34199	17.783	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	72425	17.902	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5270	17.337	ug/l	91
93) 1,2,4-Trichlorobenzene	14.925	180	44429	18.163	ug/l	99
94) Hexachlorobutadiene	15.029	225	29500	19.758	ug/l	98
95) Naphthalene	15.151	128	77085	18.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	38068	18.202	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020349.D
Acq On : 20 Nov 2024 10:53
Operator : SY/MD
Sample : VY1120SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBS01

Quant Time: Nov 21 00:43:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

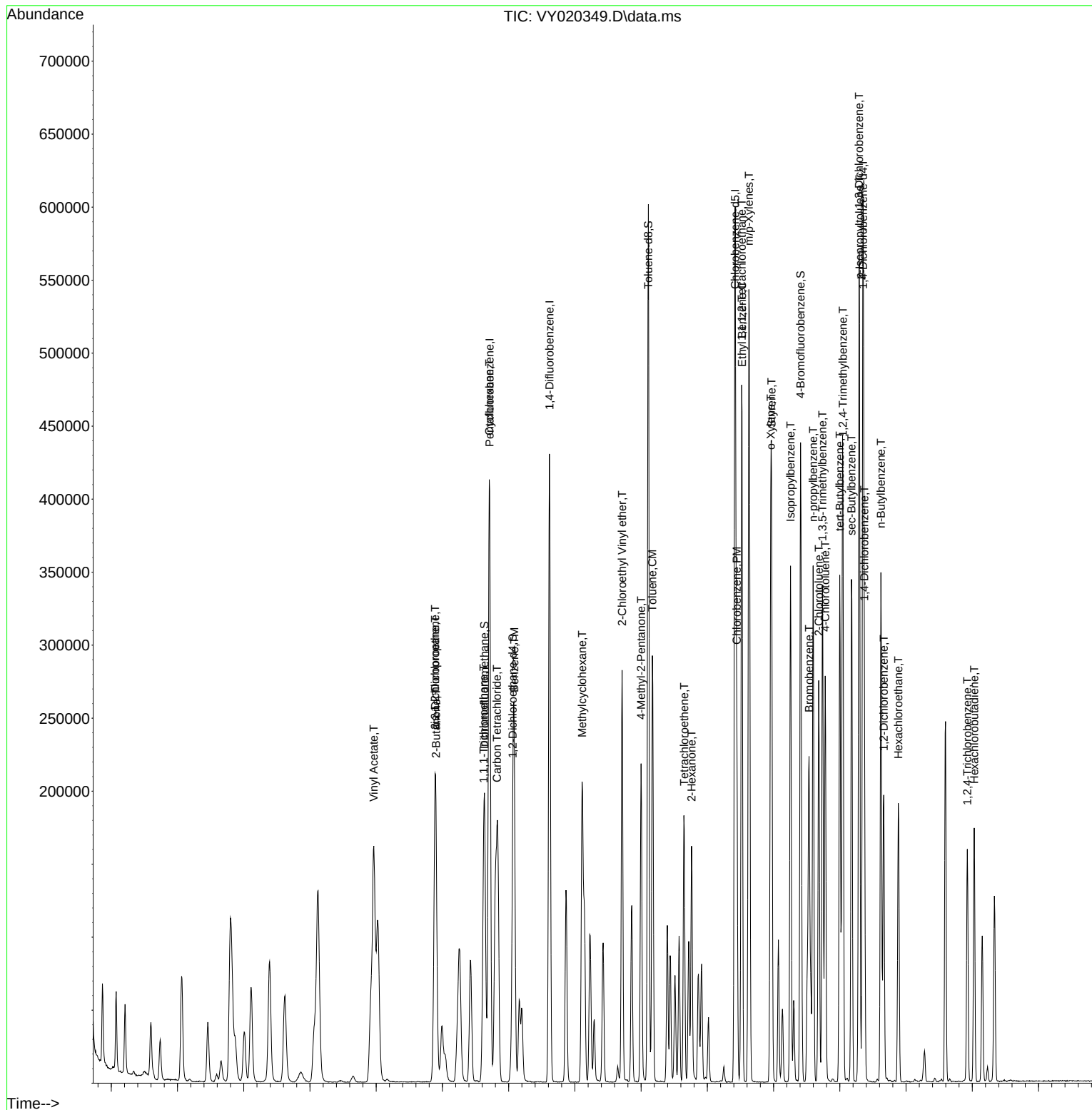
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020349.D
Acq On : 20 Nov 2024 10:53
Operator : SY/MD
Sample : VY1120SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBS01

Quant Time: Nov 21 00:43:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBSD01	SDG No.:	P4768
Lab Sample ID:	VY1111SBSD01	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
VY020242.D	1		11/11/24 12:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.1		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.2		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.6		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.8		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.3		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.5		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	18.9		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.3		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.6		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.3		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.8		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.1		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.5		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	18.6		0.87	5.00	ug/Kg
71-43-2	Benzene	20.3		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.4		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		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	20.4		0.67	5.00	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBSD01	SDG No.:	P4768
Lab Sample ID:	VY1111SBSD01	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
VY020242.D	1		11/11/24 12:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.8		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.8		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.8		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.8		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	22.0		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.5		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.0		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.9		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.3		0.70	5.00	ug/Kg
100-42-5	Styrene	20.6		0.60	5.00	ug/Kg
75-25-2	Bromoform	22.1		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.5		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.8		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.9		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.5		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.7		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.0		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.0		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		50 - 163	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	50.2		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		29 - 146	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	242000	7.713			
540-36-3	1,4-Difluorobenzene	440000	8.616			
3114-55-4	Chlorobenzene-d5	383000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	176000	13.346			

Report of Analysis

Client:	JPCL Engineering		Date Collected:	
Project:	Trenton Youth Wrestling		Date Received:	
Client Sample ID:	VY1111SBSD01		SDG No.:	P4768
Lab Sample ID:	VY1111SBSD01		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
VY020242.D	1		11/11/24 12:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020242.D
 Acq On : 11 Nov 2024 12:38
 Operator : SY/MD
 Sample : VY1111SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1111SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
 Supervised By :Semsettin Yesilyurt 11/12/2024

Quant Time: Nov 11 23:13:36 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	241513	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	439980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	382582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	176083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	161135	53.458	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	106.920%	
35) Dibromofluoromethane	7.634	113	145848	52.138	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	104.280%	
50) Toluene-d8	10.109	98	559481	50.246	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	100.500%	
62) 4-Bromofluorobenzene	12.408	95	187901	51.953	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	103.900%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	42653	19.079	ug/l	96
3) Chloromethane	2.068	50	71145	19.212	ug/l	96
4) Vinyl Chloride	2.208	62	78114	19.649	ug/l	93
5) Bromomethane	2.592	94	56190	21.289	ug/l	99
6) Chloroethane	2.739	64	53943	21.025	ug/l	97
7) Trichlorofluoromethane	3.062	101	101581	20.917	ug/l	97
8) Diethyl Ether	3.458	74	29434	21.730	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.818	101	57530	21.120	ug/l	91
10) Methyl Iodide	4.007	142	55605	21.144	ug/l	91
11) Tert butyl alcohol	4.854	59	22284	102.779	ug/l	# 96
12) 1,1-Dichloroethene	3.793	96	54257	20.818	ug/l	# 81
13) Acrolein	3.647	56	20735	76.824	ug/l	93
14) Allyl chloride	4.385	41	95861	20.387	ug/l	# 90
15) Acrylonitrile	5.055	53	67324	109.191	ug/l	98
16) Acetone	3.872	43	76172	108.666	ug/l	# 84
17) Carbon Disulfide	4.110	76	154334	17.794	ug/l	97
18) Methyl Acetate	4.391	43	35296	21.461	ug/l	90
19) Methyl tert-butyl Ether	5.122	73	146441	22.334	ug/l	99
20) Methylene Chloride	4.622	84	59441	18.877	ug/l	88
21) trans-1,2-Dichloroethene	5.122	96	59568	20.266	ug/l	90
22) Diisopropyl ether	6.018	45	207302	21.245	ug/l	# 88
23) Vinyl Acetate	5.964	43	577443	105.154	ug/l	# 92
24) 1,1-Dichloroethane	5.915	63	117152	20.734	ug/l	95
25) 2-Butanone	6.896	43	101508	106.828	ug/l	# 84
26) 2,2-Dichloropropane	6.890	77	98392	20.930	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	70302	20.807	ug/l	82
28) Bromochloromethane	7.244	49	53185	20.103	ug/l	# 72
29) Tetrahydrofuran	7.268	42	59023	107.634	ug/l	# 82
30) Chloroform	7.421	83	120717	21.531	ug/l	97
31) Cyclohexane	7.707	56	101984	18.644	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	105475	21.547	ug/l	94
36) 1,1-Dichloropropene	7.835	75	82926	19.190	ug/l	95
37) Ethyl Acetate	6.994	43	42381	20.571	ug/l	97
38) Carbon Tetrachloride	7.817	117	88278	20.315	ug/l	95
39) Methylcyclohexane	9.109	83	101873	18.575	ug/l	# 87
40) Benzene	8.079	78	255925	20.290	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020242.D
 Acq On : 11 Nov 2024 12:38
 Operator : SY/MD
 Sample : VY1111SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1111SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
 Supervised By :Semsettin Yesilyurt 11/12/2024

Quant Time: Nov 11 23:13:36 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	7.219	41	20142	19.516	ug/l	93
42) 1,2-Dichloroethane	8.158	62	74858	21.441	ug/l	94
43) Isopropyl Acetate	8.201	43	81921	20.678	ug/l #	91
44) Trichloroethene	8.865	130	60113	20.563	ug/l	85
45) 1,2-Dichloropropane	9.140	63	63700	21.109	ug/l	95
46) Dibromomethane	9.231	93	34267	20.957	ug/l	90
47) Bromodichloromethane	9.426	83	91653	21.396	ug/l	95
48) Methyl methacrylate	9.219	41	39748	21.660	ug/l #	82
49) 1,4-Dioxane	9.231	88	7353	436.780	ug/l #	70
51) 4-Methyl-2-Pentanone	9.999	43	219654	107.600	ug/l	87
52) Toluene	10.170	92	158349	20.366	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	78530	20.761	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	93951	20.809	ug/l #	82
55) 1,1,2-Trichloroethane	10.572	97	44421	21.849	ug/l	95
56) Ethyl methacrylate	10.438	69	62967	21.591	ug/l #	75
57) 1,3-Dichloropropane	10.719	76	79535	21.363	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	151392	105.262	ug/l	93
59) 2-Hexanone	10.761	43	156126	106.678	ug/l	86
60) Dibromochloromethane	10.908	129	56524	21.811	ug/l	99
61) 1,2-Dibromoethane	11.011	107	41567	22.007	ug/l	94
64) Tetrachloroethene	10.646	164	54248	21.475	ug/l	93
65) Chlorobenzene	11.438	112	168588	20.681	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	56463	21.679	ug/l	98
67) Ethyl Benzene	11.517	91	304891	20.008	ug/l	98
68) m/p-Xylenes	11.627	106	228007	40.896	ug/l	93
69) o-Xylene	11.956	106	106954	20.262	ug/l	90
70) Styrene	11.969	104	179597	20.578	ug/l	95
71) Bromoform	12.127	173	29464	22.052	ug/l #	93
73) Isopropylbenzene	12.255	105	288342	20.499	ug/l	98
74) N-ethyl acetate	12.072	43	72961	20.750	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	51290	20.849	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	36107m	21.875	ug/l	
77) Bromobenzene	12.529	156	59129	20.785	ug/l	84
78) n-propylbenzene	12.597	91	354720	20.262	ug/l	96
79) 2-Chlorotoluene	12.676	91	203629	20.955	ug/l	92
80) 1,3,5-Trimethylbenzene	12.737	105	233908	20.713	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.304	75	15543	20.255	ug/l #	85
82) 4-Chlorotoluene	12.779	91	206033	20.794	ug/l	94
83) tert-Butylbenzene	12.999	119	207955	21.059	ug/l	94
84) 1,2,4-Trimethylbenzene	13.042	105	233535	20.879	ug/l	94
85) sec-Butylbenzene	13.176	105	309759	20.433	ug/l	97
86) p-Isopropyltoluene	13.291	119	244436	20.093	ug/l	95
87) 1,3-Dichlorobenzene	13.285	146	120274	20.812	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	120002	20.851	ug/l	94
89) n-Butylbenzene	13.615	91	242745	19.906	ug/l	98
90) Hexachloroethane	13.877	117	49472	20.563	ug/l	83
91) 1,2-Dichlorobenzene	13.657	146	107823	21.464	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8082	21.663	ug/l	72
93) 1,2,4-Trichlorobenzene	14.925	180	53906	19.976	ug/l	96
94) Hexachlorobutadiene	15.023	225	28889	19.578	ug/l	99
95) Naphthalene	15.145	128	101865	20.194	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	45884	20.031	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020242.D
Acq On : 11 Nov 2024 12:38
Operator : SY/MD
Sample : VY1111SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

Quant Time: Nov 11 23:13:36 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

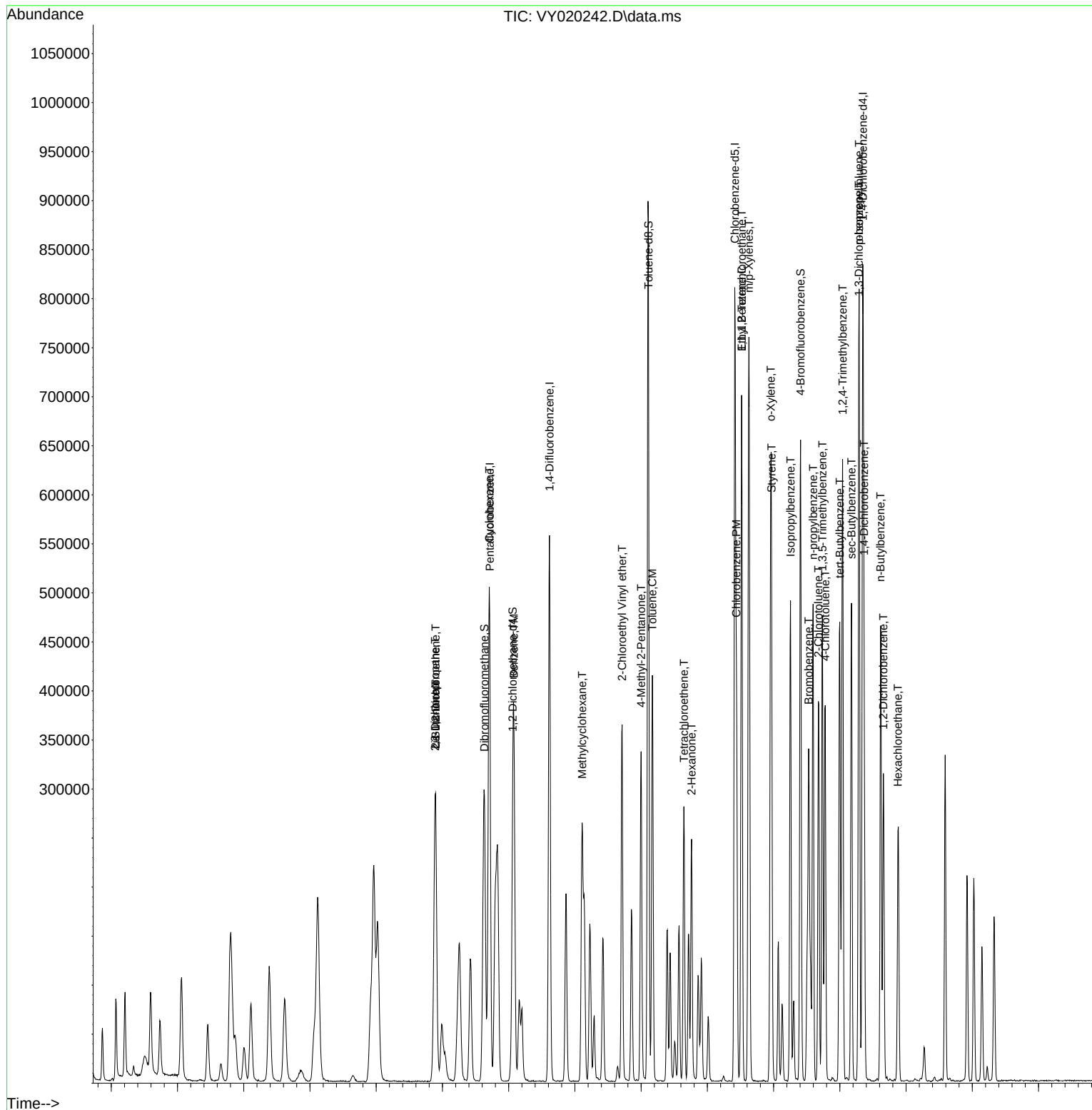
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024



Manual Integration Report

Sequence:	VY103024	Instrument	MSVOA_y
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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:

VY111124

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020239.D	1,2,3-Trichloropropane	MMDadoda	11/12/2024 2:46:18 PM	SAM	11/12/2024 2:47:47 PM	Peak Integrated by Software
VY1111SBL01	VY020240.D	1,4-Dichlorobenzene	MMDadoda	11/12/2024 2:46:19 PM	SAM	11/12/2024 2:47:48 PM	Peak Integrated by Software
VY1111SBS01	VY020241.D	1,2,3-Trichloropropane	MMDadoda	11/12/2024 2:46:20 PM	SAM	11/12/2024 2:47:50 PM	Peak Integrated by Software
VY1111SBSD01	VY020242.D	1,2,3-Trichloropropane	MMDadoda	11/12/2024 2:46:21 PM	SAM	11/12/2024 2:47:51 PM	Peak Integrated by Software
VSTDCCC050	VY020260.D	1,2,3-Trichloropropane	MMDadoda	11/12/2024 2:46:23 PM	SAM	11/12/2024 2:47:52 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VY111924

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY020338.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:16:52 AM	MMDadoda	11/20/2024 1:00:46 PM	Peak Integrated by Software
VSTDICC005	VY020338.D	Ethyl Acetate	Romaben	11/20/2024 9:16:52 AM	MMDadoda	11/20/2024 1:00:46 PM	Peak Integrated by Software
VSTDICC005	VY020338.D	Tert butyl alcohol	Romaben	11/20/2024 9:16:52 AM	MMDadoda	11/20/2024 1:00:46 PM	Peak Integrated by Software
VSTDICC010	VY020339.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:16:57 AM	MMDadoda	11/20/2024 1:00:48 PM	Peak Integrated by Software
VSTDICC020	VY020340.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:07 AM	MMDadoda	11/20/2024 1:00:52 PM	Peak Integrated by Software
VSTDICC050	VY020341.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:18:09 AM	MMDadoda	11/20/2024 1:00:53 PM	Peak Integrated by Software
VSTDICC100	VY020342.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:14 AM	MMDadoda	11/20/2024 1:00:55 PM	Peak Integrated by Software
VSTDICC150	VY020343.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:19 AM	MMDadoda	11/20/2024 1:00:56 PM	Peak Integrated by Software
VSTDICV050	VY020345.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:24 AM	MMDadoda	11/20/2024 1:00:58 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VY112024

Instrument

MSVOA_y

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

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 # VY111124

Review By	Mahesh Dadoda	Review On	11/12/2024 2:46:24 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/12/2024 2:47:56 PM
SubDirectory	VY111124	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y103024s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131373		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131374,VP131375 VP128297		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020238.D	11 Nov 2024 09:30	SY/MD	Ok
2	VSTDCCC050	VY020239.D	11 Nov 2024 11:11	SY/MD	Ok,M
3	VY1111SBL01	VY020240.D	11 Nov 2024 11:39	SY/MD	Ok,M
4	VY1111SBS01	VY020241.D	11 Nov 2024 12:16	SY/MD	Ok,M
5	VY1111SBSD01	VY020242.D	11 Nov 2024 12:38	SY/MD	Ok,M
6	P4768-01	VY020243.D	11 Nov 2024 13:15	SY/MD	Ok
7	P4768-02	VY020244.D	11 Nov 2024 13:38	SY/MD	Ok
8	P4768-03	VY020245.D	11 Nov 2024 14:02	SY/MD	Ok
9	P4768-04	VY020246.D	11 Nov 2024 14:25	SY/MD	ReRun
10	P4768-05	VY020247.D	11 Nov 2024 14:49	SY/MD	Ok
11	P4768-06	VY020248.D	11 Nov 2024 15:12	SY/MD	Ok
12	P4768-07	VY020249.D	11 Nov 2024 15:35	SY/MD	Ok
13	P4795-01	VY020250.D	11 Nov 2024 15:59	SY/MD	Ok
14	P4788-03	VY020251.D	11 Nov 2024 16:22	SY/MD	Ok
15	P4789-03	VY020252.D	11 Nov 2024 16:46	SY/MD	ReRun
16	P4779-01	VY020253.D	11 Nov 2024 17:09	SY/MD	ReRun
17	P4798-03	VY020254.D	11 Nov 2024 17:32	SY/MD	Ok
18	P4796-01	VY020255.D	11 Nov 2024 17:56	SY/MD	Ok
19	P4796-05	VY020256.D	11 Nov 2024 18:19	SY/MD	ReRun
20	P4796-07	VY020257.D	11 Nov 2024 18:43	SY/MD	Ok
21	P4796-03	VY020258.D	11 Nov 2024 19:06	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111124

Review By	Mahesh Dadoda	Review On	11/12/2024 2:46:24 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/12/2024 2:47:56 PM		
SubDirectory	VY111124	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103024s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP131373			
CCC		VP131374,VP131375			
Internal Standard/PEM		VP128297			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	P4809-03	VY020259.D	11 Nov 2024 19:30	SY/MD	Ok
23	VSTDCCC050	VY020260.D	11 Nov 2024 19:52	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY111924

Review By	Mahesh Dadoda	Review On	11/20/2024 1:01:03 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/20/2024 1:03:18 PM
SubDirectory	VY111924	HP Acquire Method	HP Processing Method 82y111924s.m
STD. NAME	STD REF.#		
Tune/Reschk	VP131638		
Initial Calibration Stds	VP131639,VP131640,VP131641,VP131642,VP131643,VP131644		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP131645		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020337.D	19 Nov 2024 14:40	SY/MD	Ok
2	VSTDICC005	VY020338.D	19 Nov 2024 15:49	SY/MD	Ok,M
3	VSTDICC010	VY020339.D	19 Nov 2024 16:12	SY/MD	Ok,M
4	VSTDICC020	VY020340.D	19 Nov 2024 16:35	SY/MD	Ok,M
5	VSTDICC050	VY020341.D	19 Nov 2024 16:57	SY/MD	Ok,M
6	VSTDICC100	VY020342.D	19 Nov 2024 17:20	SY/MD	Ok,M
7	VSTDICC150	VY020343.D	19 Nov 2024 17:42	SY/MD	Ok,M
8	VIBLK	VY020344.D	19 Nov 2024 18:06	SY/MD	Ok
9	VSTDICV050	VY020345.D	19 Nov 2024 18:52	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY112024

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VY112024	HP Acquire Method	MSVOA_Y	HP Processing Method	82y111924s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP131659			
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP131661,VP131662 VP128297			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020346.D	20 Nov 2024 08:23	SY/MD	Ok
2	VSTDCCC050	VY020347.D	20 Nov 2024 09:34	SY/MD	Ok,NR
3	VY1120SBL01	VY020348.D	20 Nov 2024 10:07	SY/MD	Ok
4	VY1120SBS01	VY020349.D	20 Nov 2024 10:53	SY/MD	Ok,NR
5	VY1120SBSD01	VY020350.D	20 Nov 2024 11:16	SY/MD	Ok,NR
6	P4910-07	VY020351.D	20 Nov 2024 11:57	SY/MD	ReRun
7	P4910-03	VY020352.D	20 Nov 2024 12:20	SY/MD	ReRun
8	P4929-01	VY020353.D	20 Nov 2024 12:44	SY/MD	ReRun
9	P4924-03	VY020354.D	20 Nov 2024 13:07	SY/MD	Ok
10	P4916-03	VY020355.D	20 Nov 2024 13:30	SY/MD	Ok
11	P4916-07	VY020356.D	20 Nov 2024 13:54	SY/MD	Ok
12	P4916-11	VY020357.D	20 Nov 2024 14:17	SY/MD	Ok
13	P4909-02	VY020358.D	20 Nov 2024 14:41	SY/MD	ReRun
14	P4908-01	VY020359.D	20 Nov 2024 15:04	SY/MD	Ok
15	P4908-03	VY020360.D	20 Nov 2024 15:27	SY/MD	ReRun
16	P4870-03	VY020361.D	20 Nov 2024 15:51	SY/MD	ReRun
17	P4870-12	VY020362.D	20 Nov 2024 16:14	SY/MD	ReRun
18	P4870-09	VY020363.D	20 Nov 2024 16:38	SY/MD	Ok
19	P4870-06	VY020364.D	20 Nov 2024 17:01	SY/MD	ReRun
20	P4849-01	VY020365.D	20 Nov 2024 17:24	SY/MD	Ok
21	P4887-04	VY020366.D	20 Nov 2024 17:48	SY/MD	Ok

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY112024

Review By	Review On
Supervise By	Supervise On
SubDirectory VY112024	HP Acquire Method MSVOA_Y HP Processing Method 82y111924s.m
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP131659
CCC	VP131661,VP131662
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4887-08	VY020367.D	20 Nov 2024 18:11	SY/MD	Ok
23	P4860-03	VY020368.D	20 Nov 2024 18:35	SY/MD	Ok
24	P4860-03	VY020369.D	20 Nov 2024 18:58	SY/MD	Not Ok
25	P4768-04	VY020370.D	20 Nov 2024 19:22	SY/MD	Ok
26	VSTDCCC050	VY020371.D	20 Nov 2024 19:44	SY/MD	Ok,NR

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	VSTDIC005	VSTDIC005	VY020075.D	30 Oct 2024 12:39	Method pass	SY/MD	Ok,M
3	VSTDIC010	VSTDIC010	VY020076.D	30 Oct 2024 13:02		SY/MD	Ok,M
4	VSTDIC020	VSTDIC020	VY020077.D	30 Oct 2024 13:24		SY/MD	Ok,M
5	VSTDIC050	VSTDIC050	VY020078.D	30 Oct 2024 14:06		SY/MD	Ok,M
6	VSTDIC100	VSTDIC100	VY020079.D	30 Oct 2024 14:29		SY/MD	Ok,M
7	VSTDIC150	VSTDIC150	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 # VY111124

Review By	Maresh Dadoda	Review On	11/12/2024 2:46:24 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/12/2024 2:47:56 PM
SubDirectory	VY111124	HP Acquire Method	MSVOA_Y HP Processing Method 82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP131373
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131374,VP131375 VP128297

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020238.D	11 Nov 2024 09:30		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020239.D	11 Nov 2024 11:11		SY/MD	Ok,M
3	VY1111SBL01	VY1111SBL01	VY020240.D	11 Nov 2024 11:39		SY/MD	Ok,M
4	VY1111SBS01	VY1111SBS01	VY020241.D	11 Nov 2024 12:16		SY/MD	Ok,M
5	VY1111SBSD01	VY1111SBSD01	VY020242.D	11 Nov 2024 12:38		SY/MD	Ok,M
6	P4768-01	B-3-1	VY020243.D	11 Nov 2024 13:15		SY/MD	Ok
7	P4768-02	B-3-2	VY020244.D	11 Nov 2024 13:38		SY/MD	Ok
8	P4768-03	B-3-3	VY020245.D	11 Nov 2024 14:02		SY/MD	Ok
9	P4768-04	B-4	VY020246.D	11 Nov 2024 14:25	Internal standard fail	SY/MD	ReRun
10	P4768-05	B-5	VY020247.D	11 Nov 2024 14:49		SY/MD	Ok
11	P4768-06	B-6-2	VY020248.D	11 Nov 2024 15:12		SY/MD	Ok
12	P4768-07	B-6-3	VY020249.D	11 Nov 2024 15:35		SY/MD	Ok
13	P4795-01	LAW-23-00189	VY020250.D	11 Nov 2024 15:59		SY/MD	Ok
14	P4788-03	BP-G3-VOC	VY020251.D	11 Nov 2024 16:22		SY/MD	Ok
15	P4789-03	BP-F21-VOC	VY020252.D	11 Nov 2024 16:46	Internal standard fail	SY/MD	ReRun
16	P4779-01	SOIL-01	VY020253.D	11 Nov 2024 17:09	Surrogate Fail	SY/MD	ReRun
17	P4798-03	MH-6-VOC	VY020254.D	11 Nov 2024 17:32		SY/MD	Ok
18	P4796-01	TP-1	VY020255.D	11 Nov 2024 17:56		SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY111124

Review By	Mahesh Dadoda	Review On	11/12/2024 2:46:24 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/12/2024 2:47:56 PM		
SubDirectory	VY111124	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103024s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP131373			
CCC		VP131374,VP131375			
Internal Standard/PEM		VP128297			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P4796-05	TP-3	VY020256.D	11 Nov 2024 18:19	Internal standard fail	SY/MD	ReRun
20	P4796-07	TP-4	VY020257.D	11 Nov 2024 18:43		SY/MD	Ok
21	P4796-03	TP-2	VY020258.D	11 Nov 2024 19:06		SY/MD	Ok
22	P4809-03	MH-5-VOC	VY020259.D	11 Nov 2024 19:30		SY/MD	Ok
23	VSTDCCC050	VSTDCCC050EC	VY020260.D	11 Nov 2024 19:52		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY111924

Review By	Maresh Dadoda	Review On	11/20/2024 1:01:03 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/20/2024 1:03:18 PM
SubDirectory	VY111924	HP Acquire Method	HP Processing Method 82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131638 VP131639,VP131640,VP131641,VP131642,VP131643,VP131644 VP131645

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020337.D	19 Nov 2024 14:40		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020338.D	19 Nov 2024 15:49		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY020339.D	19 Nov 2024 16:12		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020340.D	19 Nov 2024 16:35		SY/MD	Ok,M
5	VSTDICC050	VSTDICC050	VY020341.D	19 Nov 2024 16:57	Comp.#3 is on Linear Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY020342.D	19 Nov 2024 17:20	Comp.#11 is on Quadratic Regression	SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY020343.D	19 Nov 2024 17:42		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020344.D	19 Nov 2024 18:06		SY/MD	Ok
9	VSTDICV050	ICVVY111924	VY020345.D	19 Nov 2024 18:52		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY112024

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VY112024	HP Acquire Method	MSVOA_Y	HP Processing Method	82y111924s.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP131659				
CCC	VP131661,VP131662				
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	VY020346.D	20 Nov 2024 08:23		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020347.D	20 Nov 2024 09:34		SY/MD	Ok,NR
3	VY1120SBL01	VY1120SBL01	VY020348.D	20 Nov 2024 10:07		SY/MD	Ok
4	VY1120SBS01	VY1120SBS01	VY020349.D	20 Nov 2024 10:53		SY/MD	Ok,NR
5	VY1120SBSD01	VY1120SBSD01	VY020350.D	20 Nov 2024 11:16		SY/MD	Ok,NR
6	P4910-07	MH-759-VOC	VY020351.D	20 Nov 2024 11:57	Internal Standard Fail	SY/MD	ReRun
7	P4910-03	MH-COTTAGE-VOC	VY020352.D	20 Nov 2024 12:20	Internal Standard Fail	SY/MD	ReRun
8	P4929-01	ARS520	VY020353.D	20 Nov 2024 12:44	Internal Standard Fail	SY/MD	ReRun
9	P4924-03	MH-4-VOC	VY020354.D	20 Nov 2024 13:07		SY/MD	Ok
10	P4916-03	TP-1-VOC	VY020355.D	20 Nov 2024 13:30		SY/MD	Ok
11	P4916-07	TP-2-VOC	VY020356.D	20 Nov 2024 13:54		SY/MD	Ok
12	P4916-11	TP-3-VOC	VY020357.D	20 Nov 2024 14:17		SY/MD	Ok
13	P4909-02	BU-02-111824	VY020358.D	20 Nov 2024 14:41	Internal Standard Fail	SY/MD	ReRun
14	P4908-01	SP-1	VY020359.D	20 Nov 2024 15:04		SY/MD	Ok
15	P4908-03	SP-2	VY020360.D	20 Nov 2024 15:27	Internal Standard Fail	SY/MD	ReRun
16	P4870-03	TP-1-VOC	VY020361.D	20 Nov 2024 15:51	Internal Standard Fail	SY/MD	ReRun
17	P4870-12	TP-15-VOC	VY020362.D	20 Nov 2024 16:14	Internal Standard Fail	SY/MD	ReRun
18	P4870-09	MH-736-VOC	VY020363.D	20 Nov 2024 16:38		SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY112024

Review By	Review On
Supervise By	Supervise On
SubDirectory	VY112024
HP Acquire Method	MSVOA_Y
HP Processing Method	82y111924s.m
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP131659
CCC	VP131661,VP131662
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4870-06	MH-735-VOC	VY020364.D	20 Nov 2024 17:01	Internal Standard Fail	SY/MD	ReRun
20	P4849-01	RR-1	VY020365.D	20 Nov 2024 17:24		SY/MD	Ok
21	P4887-04	MH-739-VOC	VY020366.D	20 Nov 2024 17:48		SY/MD	Ok
22	P4887-08	MH-760-VOC	VY020367.D	20 Nov 2024 18:11		SY/MD	Ok
23	P4860-03	PH2-BOT-002	VY020368.D	20 Nov 2024 18:35		SY/MD	Ok
24	P4860-03	PH2-BOT-002	VY020369.D	20 Nov 2024 18:58	Already analyzed	SY/MD	Not Ok
25	P4768-04	B-4	VY020370.D	20 Nov 2024 19:22		SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY020371.D	20 Nov 2024 19:44		SY/MD	Ok,NR

M : Manual Integration

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/8/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 11/07/2024
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: 11/08/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133343

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
P4756-01	BP-B4	1	1.15	8.77	9.92	8.94	88.8	
P4756-02	BP-B4-EPH	2	1.19	8.52	9.71	8.69	88.0	
P4756-03	BP-B4-VOC	3	1.19	8.72	9.91	8.93	88.8	
P4768-01	B-3-1	4	1.16	8.50	9.66	9.17	94.2	
P4768-02	B-3-2	5	1.16	8.62	9.78	9.36	95.1	
P4768-03	B-3-3	6	1.19	8.55	9.74	9.04	91.8	
P4768-04	B-4	7	1.18	8.45	9.63	9.22	95.1	
P4768-05	B-5	8	1.19	8.53	9.72	8.87	90.0	
P4768-06	B-6-2	9	1.15	8.43	9.58	9.1	94.3	
P4768-07	B-6-3	10	1.19	8.44	9.63	9.24	95.4	
P4769-01	PIPE-1	11	1.00	1.00	2.00	2.00	100.0	wipe sample
P4769-02	PIPE-2	12	1.00	1.00	2.00	2.00	100.0	wipe sample
P4769-03	PIPE-3	13	1.00	1.00	2.00	2.00	100.0	wipe sample
P4769-04	PIPE-4	14	1.00	1.00	2.00	2.00	100.0	wipe sample
P4769-05	PIPE-5	15	1.00	1.00	2.00	2.00	100.0	wipe sample
P4776-03	MDL-SOIL-QT4-2024-07	16	1.00	1.00	2.00	2.00	100.0	
P4776-04	MDL-SOIL-QT4-2024-08	17	1.00	1.00	2.00	2.00	100.0	
P4776-05	MDL-MED-SOIL-QT4-2024-07	18	1.00	1.00	2.00	2.00	100.0	
P4776-06	MDL-MED-SOIL-QT4-2024-08	19	1.00	1.00	2.00	2.00	100.0	

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

WORKLIST(Hardcopy Internal Chain)

JB 133343

WorkList Name : %1-110724 WorkList ID : 185187 Department : Wet-Chemistry Date : 11-07-2024 07:54:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4756-01	BP-B4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/07/2024	Chemtech -SO
P4756-02	BP-B4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/07/2024	Chemtech -SO
P4756-03	BP-B4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/07/2024	Chemtech -SO
P4768-01	B-3-1	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-02	B-3-2	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-03	B-3-3	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-04	B-4	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-05	B-5	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-06	B-6-2	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-07	B-6-3	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4769-01	PIPE-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4769-02	PIPE-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4769-03	PIPE-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4769-04	PIPE-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4769-05	PIPE-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4776-03	MDL-SOIL-QT4-2024-07	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	11/07/2024	Chemtech -SO
P4776-04	MDL-SOIL-QT4-2024-08	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	11/07/2024	Chemtech -SO
P4776-05	MDL-MED-SOIL-QT4-2024-07	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	11/07/2024	Chemtech -SO
P4776-06	MDL-MED-SOIL-QT4-2024-08	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	11/07/2024	Chemtech -SO

Date/Time 11/07/24 16:00
Raw Sample Received by: JB WCC
Raw Sample Relinquished by: CFS

Date/Time 11/07/24 17:15
Raw Sample Received by: CFS
Raw Sample Relinquished by: JB WCC



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: **TPCL Engineering**
ADDRESS: **2 Clemco Ln, Bldg 2**
CITY: **Hillsborough** STATE: **NJ** ZIP: **08844**
ATTENTION: **Paul Rotondi**
PHONE: **609-203-3846** FAX: **N/A**

PROJECT NAME: **Trenton Youth Weekly**
PROJECT NO.: LOCATION: **Trenton**
PROJECT MANAGER: **PAUL Rotondi**
e-mail: **PROtondi@TPCLEngineering.com**
PHONE: **609-203-3846** FAX: **com**

BILL TO: **See Client** PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

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

☒ 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 +10
EPH
Metals
PCBs
SVOCs

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	B-3 #1	Soil	X		11/7	9:49	4	3	1	1	1	1					
2.	B-3 #2		X		11/7	9:54	5	3	3	3	3	3					
3.	B-3 #3		X		11/7	10:01	6	3	3	3	3	3					
4.	B-4		X		11/7	9:07	5	3	2	2	2	2					
5.	B-5		X		11/7	9:26	5	3	2	2	2	2					
6.	B-6 #2		X		11/7	10:33	5	3	2	2	2	2					
7.	B-6 #3		X		11/7	10:36	5	3	2	2	2	2					
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: NA	DATE/TIME: 11-7-24	RECEIVED BY: CR	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 1.9.5 °C
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Comments: NORMAL TAT
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	If. Cur #1
3.			Page ____ of CLIENT: ☒ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO



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 : P4768	JPCL01	Order Date : 11/7/2024 1:45:00 PM	Project Mgr : Yazmeen
Client Name : JPCL Engineering		Project Name : Trenton Youth Wrestling	Report Type : Level 1
Client Contact : Paul Rotondi		Receive DateTime : 11/7/2024 1:40:00 PM	EDD Type : Excel NY
Invoice Name : JPCL Engineering		Purchase Order :	Hard Copy Date :
Invoice Contact : Paul Rotondi			Date Signoff : 11/7/2024 3:37:57 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4768-01	B-3-1	Solid	11/07/2024	09:49	VOC-TCLVOA-10		8260D		10 Bus. Days
P4768-02	B-3-2	Solid	11/07/2024	09:54	VOC-TCLVOA-10		8260D		10 Bus. Days
P4768-03	B-3-3	Solid	11/07/2024	10:01	VOC-TCLVOA-10		8260D		10 Bus. Days
P4768-04	B-4	Solid	11/07/2024	09:07	VOC-TCLVOA-10		8260D		10 Bus. Days
P4768-05	B-5	Solid	11/07/2024	09:26	VOC-TCLVOA-10		8260D		10 Bus. Days
P4768-06	B-6-2	Solid	11/07/2024	10:33	VOC-TCLVOA-10		8260D		10 Bus. Days
P4768-07	B-6-3	Solid	11/07/2024	10:36	VOC-TCLVOA-10		8260D		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4768	JPCL01	Order Date : 11/7/2024 1:45:00 PM	Project Mgr : Yazmeen
Client Name : JPCL Engineering		Project Name : Trenton Youth Wrestling	Report Type : Level 1
Client Contact : Paul Rotondi		Receive DateTime : 11/7/2024 1:40:00 PM	EDD Type : Excel NY
Invoice Name : JPCL Engineering		Purchase Order :	Hard Copy Date :
Invoice Contact : Paul Rotondi			Date Signoff : 11/7/2024 3:37:57 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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Relinquished By :

Date / Time : 11/7/24 1615

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room