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

Cover Page

Order ID : P4722

Project ID : NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2

Client : Walsh Construction Company II, LLC

Lab Sample Number	Client Sample Number
P4722-01	WC-1(5.5)
P4722-02	WC-1(3.5)
P4722-03	WC-1(0-6)
P4722-04	WC-1(0-6)
P4722-05	WC-1(0-6)
P4722-06	WC-2(2)
P4722-07	WC-2(4)
P4722-08	WC-2(0-6)
P4722-09	WC-2(0-6)
P4722-10	WC-2(0-6)
P4722-11	WC-3(5)
P4722-12	WC-3(3)
P4722-13	WC-3(0-6)
P4722-14	WC-3(0-6)
P4722-15	WC-3(0-6)
P4722-16	WC-1(5.5)
P4722-17	WC-1(3.5)
P4722-18	WC-2(2)
P4722-19	WC-2(4)
P4722-20	WC-3(5)
P4722-21	WC-3(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: 11/18/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4722**

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

QA Review Signature: **PATEL VAISHALI** **Date:** **11/18/2024**

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

LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-01	**WC-1(5.5)**	**SOIL**			**11/05/24**			**11/05/24**
			VOC-TCLVOA-10	8260D			11/08/24	
P4722-02	**WC-1(3.5)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/08/24	
P4722-05	**WC-1(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP VOA	8260D			11/13/24	
P4722-06	**WC-2(2)**	**SOIL**			**11/05/24**			**11/05/24**
			VOC-TCLVOA-10	8260D			11/07/24	
P4722-07	**WC-2(4)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-10	**WC-2(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP VOA	8260D			11/13/24	
P4722-11	**WC-3(5)**	**SOIL**			**11/05/24**			**11/05/24**
			VOC-TCLVOA-10	8260D			11/07/24	
P4722-12	**WC-3(3)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-15	**WC-3(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP VOA	8260D			11/13/24	
P4722-16	**WC-1(5.5)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-17	**WC-1(3.5)**	**SOIL**			**11/05/24**			**11/05/24**
			VOC-TCLVOA-10	8260D			11/07/24	
P4722-18	**WC-2(2)**	**TCLP**			**11/05/24**			**11/05/24**

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

LAB CHRONICLE

			TCLP VOA	8260D		11/11/24	
P4722-19	**WC-2(4)**	**SOIL**			**11/05/24**		**11/05/24**
			VOC-TCLVOA-10	8260D		11/07/24	
P4722-20	**WC-3(5)**	**TCLP**			**11/05/24**		**11/05/24**
			TCLP VOA	8260D		11/11/24	
P4722-21	**WC-3(3)**	**SOIL**			**11/05/24**		**11/05/24**
			VOC-TCLVOA-10	8260D		11/07/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**WC-1(5.5)**								
P4722-01	WC-1(5.5)	SOIL	Acetone		15.8		3.40	13.6	ug/Kg
P4722-01	WC-1(5.5)	SOIL	Methylene Chloride		2.00	J	1.90	5.40	ug/Kg
P4722-01	WC-1(5.5)	SOIL	2-Butanone		5.30	J	3.10	13.6	ug/Kg
P4722-01	WC-1(5.5)	SOIL	Chloroform		0.69	J	0.36	2.70	ug/Kg
P4722-01	WC-1(5.5)	SOIL	Tetrachloroethene		1.30	J	0.48	2.70	ug/Kg
			Total Voc :		25.1				
P4722-01	WC-1(5.5)	SOIL	unknown12.731	*	3.20	J	0	0	ug/Kg
P4722-01	WC-1(5.5)	SOIL	unknown13.664	*	2.90	J	0	0	ug/Kg
P4722-01	WC-1(5.5)	SOIL	Butane	*	4.20	J	0	0	ug/Kg
P4722-01	WC-1(5.5)	SOIL	cis-3-Decene	*	4.20	J	0	0	ug/Kg
			Total Tics :		14.5				
			Total Concentration:		39.6				
Client ID:	**WC-2(2)**								
P4722-06	WC-2(2)	SOIL	Bicyclo[3.1.0]hexane, 4-methyl	*	4.00	J	0	0	ug/Kg
			Total Tics :		4.00				
			Total Concentration:		4.00				
Client ID:	**WC-3(5)**								
P4722-11	WC-3(5)	SOIL	Acetone		120		5.20	20.9	ug/Kg
P4722-11	WC-3(5)	SOIL	Carbon Disulfide		1.70	J	1.10	4.20	ug/Kg
P4722-11	WC-3(5)	SOIL	2-Butanone		34.1		4.70	20.9	ug/Kg
			Total Voc :		156				
P4722-11	WC-3(5)	SOIL	unknown14.066	*	55.1	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	unknown14.651	*	110	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	unknown15.255	*	160	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	unknown15.511	*	91.3	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	Naphthalene, decahydro-	*	120	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	1-Methyldecahydronaphthalene	*	190	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	Naphthalene, decahydro-2-metl	*	170	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	Cyclohexane, 2-butyl-1,1,3-trin	*	64.0	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	Cyclohexane, 2,4-diethyl-1-met	*	70.6	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	trans, cis-3-Ethylbicyclo[4.4.0]	*	58.2	J	0	0	ug/Kg
			Total Tics :		1090				
			Total Concentration:		1250				
Client ID:	**WC-1(3.5)**								
P4722-17	WC-1(3.5)	SOIL	Naphthalene	*	0.95	J	0.79	2.70	ug/Kg
			Total Tics :		0.95				
			Total Concentration:		0.95				
Client ID:	**WC-3(3)**								

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

Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4722-21	WC-3(3)	SOIL	Tetrachloroethene	1.00	J	0.42	2.40	ug/Kg
			Total Voc :	1.00				
			Total Concentration:	1.00				

QC SUMMARY

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

Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4722-01	WC-1(5.5)	1,2-Dichloroethane-d4	50	61.1	122	50	163
		Dibromofluoromethane	50	52.4	105	54	147
		Toluene-d8	50	48.9	98	58	134
		4-Bromofluorobenzene	50	43.7	87	29	146
P4722-06	WC-2(2)	1,2-Dichloroethane-d4	50	61.8	124	50	163
		Dibromofluoromethane	50	52.7	105	54	147
		Toluene-d8	50	49.5	99	58	134
		4-Bromofluorobenzene	50	50.7	101	29	146
P4722-11	WC-3(5)	1,2-Dichloroethane-d4	50	69.3	139	50	163
		Dibromofluoromethane	50	55.6	111	54	147
		Toluene-d8	50	51.0	102	58	134
		4-Bromofluorobenzene	50	60.7	121	29	146
P4722-17	WC-1(3.5)	1,2-Dichloroethane-d4	50	62.6	125	50	163
		Dibromofluoromethane	50	53.6	107	54	147
		Toluene-d8	50	49.3	99	58	134
		4-Bromofluorobenzene	50	47.9	96	29	146
P4722-19	WC-2(4)	1,2-Dichloroethane-d4	50	64.4	129	50	163
		Dibromofluoromethane	50	54.2	108	54	147
		Toluene-d8	50	49.8	100	58	134
		4-Bromofluorobenzene	50	48.9	98	29	146
P4722-21	WC-3(3)	1,2-Dichloroethane-d4	50	65.3	131	50	163
		Dibromofluoromethane	50	54.3	109	54	147
		Toluene-d8	50	49.5	99	58	134
		4-Bromofluorobenzene	50	47.3	95	29	146
VY1107SBL01	VY1107SBL01	1,2-Dichloroethane-d4	50	55.0	110	50	163
		Dibromofluoromethane	50	52.5	105	54	147
		Toluene-d8	50	49.4	99	58	134
		4-Bromofluorobenzene	50	43.8	88	29	146
VY1107SBS01	VY1107SBS01	1,2-Dichloroethane-d4	50	52.9	106	50	163
		Dibromofluoromethane	50	52.6	105	54	147
		Toluene-d8	50	51.9	104	58	134
		4-Bromofluorobenzene	50	52.2	104	29	146
VY1107SBSD01	VY1107SBSD01	1,2-Dichloroethane-d4	50	54.1	108	50	163
		Dibromofluoromethane	50	51.8	104	54	147
		Toluene-d8	50	51.6	103	58	134
		4-Bromofluorobenzene	50	51.7	103	29	146
VY1108SBL01	VY1108SBL01	1,2-Dichloroethane-d4	50	55.5	111	50	163
		Dibromofluoromethane	50	50.6	101	54	147
		Toluene-d8	50	48.3	97	58	134
		4-Bromofluorobenzene	50	44.7	89	29	146
VY1108SBS01	VY1108SBS01	1,2-Dichloroethane-d4	50	50.8	102	50	163
		Dibromofluoromethane	50	49.9	100	54	147
		Toluene-d8	50	49.1	98	58	134
		4-Bromofluorobenzene	50	50.0	100	29	146

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D **Datafile :** VY020198.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1107SBS01	Dichlorodifluoromethane	20	18.5	ug/Kg	93			64	136	
	Chloromethane	20	20.8	ug/Kg	104			70	130	
	Vinyl chloride	20	21.4	ug/Kg	107			72	129	
	Bromomethane	20	22.2	ug/Kg	111			58	141	
	Chloroethane	20	22.8	ug/Kg	114			69	130	
	Trichlorofluoromethane	20	21.9	ug/Kg	110			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			81	123	
	1,1-Dichloroethene	20	21.1	ug/Kg	106			79	121	
	Acetone	100	100	ug/Kg	100			60	131	
	Carbon disulfide	20	19.5	ug/Kg	98			45	154	
	Methyl tert-butyl Ether	20	21.5	ug/Kg	108			77	129	
	Methyl Acetate	20	22.4	ug/Kg	112			69	149	
	Methylene Chloride	20	20.3	ug/Kg	102			56	174	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			80	123	
	1,1-Dichloroethane	20	21.1	ug/Kg	106			82	123	
	Cyclohexane	20	20.0	ug/Kg	100			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	21.3	ug/Kg	106			76	129	
	cis-1,2-Dichloroethene	20	21.0	ug/Kg	105			82	123	
	Bromochloromethane	20	20.7	ug/Kg	104			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.4	ug/Kg	107			80	126	
	Methylcyclohexane	20	19.9	ug/Kg	100			77	123	
	Benzene	20	21.0	ug/Kg	105			84	121	
	1,2-Dichloroethane	20	21.9	ug/Kg	110			81	126	
	Trichloroethene	20	20.8	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	21.7	ug/Kg	109			83	122	
	Bromodichloromethane	20	20.9	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	21.4	ug/Kg	107			83	122	
	t-1,3-Dichloropropene	20	20.7	ug/Kg	104			78	124	
	cis-1,3-Dichloropropene	20	21.3	ug/Kg	106			81	122	
	1,1,2-Trichloroethane	20	23.0	ug/Kg	115			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	21.5	ug/Kg	108			79	125	
	1,2-Dibromoethane	20	21.4	ug/Kg	107			80	125	
	Tetrachloroethene	20	21.0	ug/Kg	105			83	125	
	Chlorobenzene	20	21.0	ug/Kg	105			84	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	42.1	ug/Kg	105			83	124	
	o-Xylene	20	21.1	ug/Kg	106			83	123	
	Styrene	20	21.4	ug/Kg	107			82	124	
	Bromoform	20	21.7	ug/Kg	109			75	127	
	Isopropylbenzene	20	21.2	ug/Kg	106			82	124	
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106			77	127	
	1,3-Dichlorobenzene	20	21.5	ug/Kg	108			83	122	
	1,4-Dichlorobenzene	20	21.6	ug/Kg	108			84	121	
	1,2-Dichlorobenzene	20	21.7	ug/Kg	109			83	124	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D **Datafile :** VY020198.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1107SBS01	1,2-Dibromo-3-Chloropropane	20	21.4	ug/Kg	107			66	134	
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104			78	127	
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100			70	137	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D **Datafile :** VY020199.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1107SBSD01	Dichlorodifluoromethane	20	19.2	ug/Kg	96	3		64	136	20
	Chloromethane	20	19.6	ug/Kg	98	6		70	130	20
	Vinyl chloride	20	20.0	ug/Kg	100	7		72	129	20
	Bromomethane	20	20.8	ug/Kg	104	7		58	141	20
	Chloroethane	20	20.5	ug/Kg	103	10		69	130	20
	Trichlorofluoromethane	20	19.6	ug/Kg	98	12		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/Kg	100	8		81	123	20
	1,1-Dichloroethene	20	19.1	ug/Kg	96	10		79	121	20
	Acetone	100	110	ug/Kg	110	10		60	131	20
	Carbon disulfide	20	17.4	ug/Kg	87	12		45	154	20
	Methyl tert-butyl Ether	20	21.8	ug/Kg	109	1		77	129	20
	Methyl Acetate	20	22.8	ug/Kg	114	2		69	149	20
	Methylene Chloride	20	19.2	ug/Kg	96	6		56	174	20
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96	9		80	123	20
	1,1-Dichloroethane	20	20.7	ug/Kg	104	2		82	123	20
	Cyclohexane	20	17.9	ug/Kg	90	11		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	19.0	ug/Kg	95	11		76	129	20
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100	5		82	123	20
	Bromochloromethane	20	19.9	ug/Kg	100	4		80	127	20
	Chloroform	20	20.6	ug/Kg	103	5		82	125	20
	1,1,1-Trichloroethane	20	20.3	ug/Kg	102	5		80	126	20
	Methylcyclohexane	20	17.5	ug/Kg	88	13		77	123	20
	Benzene	20	19.9	ug/Kg	100	5		84	121	20
	1,2-Dichloroethane	20	21.1	ug/Kg	106	4		81	126	20
	Trichloroethene	20	19.7	ug/Kg	99	5		83	122	20
	1,2-Dichloropropane	20	20.8	ug/Kg	104	5		83	122	20
	Bromodichloromethane	20	20.6	ug/Kg	103	1		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		70	135	20
	Toluene	20	19.9	ug/Kg	100	7		83	122	20
	t-1,3-Dichloropropene	20	19.8	ug/Kg	99	5		78	124	20
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102	4		81	122	20
	1,1,2-Trichloroethane	20	21.5	ug/Kg	108	6		82	125	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20
	Dibromochloromethane	20	21.4	ug/Kg	107	1		79	125	20
	1,2-Dibromoethane	20	21.1	ug/Kg	106	1		80	125	20
	Tetrachloroethene	20	19.7	ug/Kg	99	6		83	125	20
	Chlorobenzene	20	20.1	ug/Kg	101	4		84	122	20
	Ethyl Benzene	20	19.4	ug/Kg	97	7		82	124	20
	m/p-Xylenes	40	39.0	ug/Kg	98	7		83	124	20
	o-Xylene	20	19.4	ug/Kg	97	9		83	123	20
	Styrene	20	19.9	ug/Kg	100	7		82	124	20
	Bromoform	20	21.9	ug/Kg	110	1		75	127	20
	Isopropylbenzene	20	19.4	ug/Kg	97	9		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106	0		77	127	20
	1,3-Dichlorobenzene	20	20.0	ug/Kg	100	8		83	122	20
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100	8		84	121	20
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103	6		83	124	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D **Datafile :** VY020199.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1107SBSD01	1,2-Dibromo-3-Chloropropane	20	20.6	ug/Kg	103	4		66	134	20
	1,2,4-Trichlorobenzene	20	19.5	ug/Kg	98	6		78	127	20
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	2		70	137	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D **Datafile :** VY020223.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1108SBS01	Dichlorodifluoromethane	20	17.2	ug/Kg	86			64	136	
	Chloromethane	20	18.6	ug/Kg	93			70	130	
	Vinyl chloride	20	19.3	ug/Kg	97			72	129	
	Bromomethane	20	20.2	ug/Kg	101			58	141	
	Chloroethane	20	19.9	ug/Kg	100			69	130	
	Trichlorofluoromethane	20	21.4	ug/Kg	107			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			81	123	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			79	121	
	Acetone	100	100	ug/Kg	100			60	131	
	Carbon disulfide	20	17.1	ug/Kg	86			45	154	
	Methyl tert-butyl Ether	20	21.8	ug/Kg	109			77	129	
	Methyl Acetate	20	20.8	ug/Kg	104			69	149	
	Methylene Chloride	20	18.5	ug/Kg	93			56	174	
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101			80	123	
	1,1-Dichloroethane	20	20.6	ug/Kg	103			82	123	
	Cyclohexane	20	18.5	ug/Kg	93			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	20.1	ug/Kg	101			76	129	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			82	123	
	Bromochloromethane	20	19.9	ug/Kg	100			80	127	
	Chloroform	20	21.1	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106			80	126	
	Methylcyclohexane	20	18.5	ug/Kg	93			77	123	
	Benzene	20	19.8	ug/Kg	99			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	19.7	ug/Kg	99			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	100	ug/Kg	100			70	135	
	Toluene	20	19.9	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100			78	124	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	20.5	ug/Kg	103			82	125	
	2-Hexanone	100	100	ug/Kg	100			66	138	
	Dibromochloromethane	20	20.7	ug/Kg	104			79	125	
	1,2-Dibromoethane	20	20.4	ug/Kg	102			80	125	
	Tetrachloroethene	20	20.5	ug/Kg	103			83	125	
	Chlorobenzene	20	20.1	ug/Kg	101			84	122	
	Ethyl Benzene	20	19.8	ug/Kg	99			82	124	
	m/p-Xylenes	40	40.6	ug/Kg	102			83	124	
	o-Xylene	20	20.0	ug/Kg	100			83	123	
	Styrene	20	20.7	ug/Kg	104			82	124	
	Bromoform	20	21.4	ug/Kg	107			75	127	
	Isopropylbenzene	20	20.6	ug/Kg	103			82	124	
	1,1,2,2-Tetrachloroethane	20	20.9	ug/Kg	104			77	127	
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103			83	124	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D **Datafile :** VY020223.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1108SBS01	1,2-Dibromo-3-Chloropropane	20	21.5	ug/Kg	108			66	134	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			78	127	
	1,2,3-Trichlorobenzene	20	19.2	ug/Kg	96			70	137	

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1107SBL01

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020197.D Lab Sample ID: VY1107SBL01

Date Analyzed: 11/07/2024 Time Analyzed: 11:19

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
VY1107SBS01	VY1107SBS01	VY020198.D	11/07/2024
VY1107SBSD01	VY1107SBSD01	VY020199.D	11/07/2024
WC-3(5)	P4722-11	VY020206.D	11/07/2024
WC-2(2)	P4722-06	VY020207.D	11/07/2024
WC-1(3.5)	P4722-17	VY020209.D	11/07/2024
WC-2(4)	P4722-19	VY020210.D	11/07/2024
WC-3(3)	P4722-21	VY020211.D	11/07/2024

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1108SBL01

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020222.D Lab Sample ID: VY1108SBL01

Date Analyzed: 11/08/2024 Time Analyzed: 10:40

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
VY1108SBS01	VY1108SBS01	VY020223.D	11/08/2024
WC-1(5.5)	P4722-01	VY020230.D	11/08/2024

COMMENTS:

Raw Data: **VY020074.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

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
VSTDICC005	VSTDICC005	VY020075.D	10/30/2024	12:39
VSTDICC010	VSTDICC010	VY020076.D	10/30/2024	13:02
VSTDICC020	VSTDICC020	VY020077.D	10/30/2024	13:24
VSTDICCC050	VSTDICCC050	VY020078.D	10/30/2024	14:06
VSTDICC100	VSTDICC100	VY020079.D	10/30/2024	14:29
VSTDICC150	VSTDICC150	VY020080.D	10/30/2024	14:52

Raw Data: **VY020195.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020195.D BFB Injection Date: 11/07/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:36

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	24.8
75	30.0 - 60.0% of mass 95	57.7
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	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	71.7
175	5.0 - 9.0% of mass 174	5.8 (8.1) 1
176	95.0 - 101.0% of mass 174	70.5 (98.3) 1
177	5.0 - 9.0% of mass 176	4.6 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020196.D	11/07/2024	10:27
VY1107SBL01	VY1107SBL01	VY020197.D	11/07/2024	11:19
VY1107SBS01	VY1107SBS01	VY020198.D	11/07/2024	11:50
VY1107SBSD01	VY1107SBSD01	VY020199.D	11/07/2024	12:13
WC-3(5)	P4722-11	VY020206.D	11/07/2024	14:57
WC-2(2)	P4722-06	VY020207.D	11/07/2024	15:20
WC-1(3.5)	P4722-17	VY020209.D	11/07/2024	16:07
WC-2(4)	P4722-19	VY020210.D	11/07/2024	16:31
WC-3(3)	P4722-21	VY020211.D	11/07/2024	16:54

Raw Data: **VY020220.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020220.D BFB Injection Date: 11/08/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:45

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23
75	30.0 - 60.0% of mass 95	58.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	72.6 (98.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020221.D	11/08/2024	09:33
VY1108SBL01	VY1108SBL01	VY020222.D	11/08/2024	10:40
VY1108SBS01	VY1108SBS01	VY020223.D	11/08/2024	11:19
WC-1(5.5)	P4722-01	VY020230.D	11/08/2024	14:02

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020196.D Date Analyzed: 11/07/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:27

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	221675	7.71	394769	8.62	345161	11.41
UPPER LIMIT	443350	8.213	789538	9.116	690322	11.914
LOWER LIMIT	110838	7.213	197385	8.116	172581	10.914
EPA SAMPLE NO.						
WC-2(2)	198592	7.71	428344	8.62	407022	11.41
WC-3(5)	142540	7.71	298274	8.62	289563	11.41
WC-1(3.5)	181277	7.71	389130	8.62	362163	11.41
WC-2(4)	179581	7.71	387425	8.62	366025	11.41
WC-3(3)	175489	7.71	372455	8.62	352192	11.41
VY1107SBL01	168265	7.71	343319	8.62	313025	11.41
VY1107SBS01	202685	7.71	361864	8.62	315230	11.41
VY1107SBSD01	206563	7.71	375441	8.62	325231	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020196.D Date Analyzed: 11/07/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:27

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

	IS4 AREA #	RT #				
12 HOUR STD	165809	13.347				
UPPER LIMIT	331618	13.847				
LOWER LIMIT	82904.5	12.847				
EPA SAMPLE NO.						
WC-2(2)	153864	13.35				
WC-3(5)	125008	13.35				
WC-1(3.5)	133281	13.35				
WC-2(4)	138732	13.35				
WC-3(3)	123426	13.35				
VY1107SBL01	103250	13.35				
VY1107SBS01	144996	13.35				
VY1107SBSD01	151947	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020221.D Date Analyzed: 11/08/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:33

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	282936	7.71	514187	8.62	441792	11.42
UPPER LIMIT	565872	8.213	1028370	9.116	883584	11.92
LOWER LIMIT	141468	7.213	257094	8.116	220896	10.92
EPA SAMPLE NO.						
WC-1(5.5)	209744	7.71	444878	8.62	397795	11.41
VY1108SBL01	212436	7.71	452508	8.62	403401	11.42
VY1108SBS01	263593	7.71	480169	8.62	412478	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020221.D Date Analyzed: 11/08/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:33

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

	IS4 AREA #	RT #				
12 HOUR STD	208354	13.353				
UPPER LIMIT	416708	13.853				
LOWER LIMIT	104177	12.853				
EPA SAMPLE NO.						
WC-1(5.5)	127098	13.35				
VY1108SBL01	137264	13.35				
VY1108SBS01	187903	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VY020230.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(5.5)	SDG No.:	P4722
Lab Sample ID:	P4722-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.4
Sample Wt/Vol:	10.39 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
VY020230.D	1		11/08/24 14:02	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.90	U	0.90	2.70	ug/Kg
74-87-3	Chloromethane	0.63	U	0.63	2.70	ug/Kg
75-01-4	Vinyl Chloride	0.42	U	0.42	2.70	ug/Kg
74-83-9	Bromomethane	0.56	U	0.56	2.70	ug/Kg
75-00-3	Chloroethane	0.55	U	0.55	2.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.50	U	0.50	2.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.58	U	0.58	2.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.42	U	0.42	2.70	ug/Kg
67-64-1	Acetone	15.8		3.40	13.6	ug/Kg
75-15-0	Carbon Disulfide	0.70	U	0.70	2.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	2.70	ug/Kg
79-20-9	Methyl Acetate	0.98	U	0.98	2.70	ug/Kg
75-09-2	Methylene Chloride	2.00	J	1.90	5.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.46	U	0.46	2.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.34	U	0.34	2.70	ug/Kg
110-82-7	Cyclohexane	0.38	U	0.38	2.70	ug/Kg
78-93-3	2-Butanone	5.30	J	3.10	13.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.47	U	0.47	2.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.33	U	0.33	2.70	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	2.70	ug/Kg
67-66-3	Chloroform	0.69	J	0.36	2.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.42	U	0.42	2.70	ug/Kg
108-87-2	Methylcyclohexane	0.47	U	0.47	2.70	ug/Kg
71-43-2	Benzene	0.39	U	0.39	2.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.33	U	0.33	2.70	ug/Kg
79-01-6	Trichloroethene	0.41	U	0.41	2.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.36	U	0.36	2.70	ug/Kg
75-27-4	Bromodichloromethane	0.30	U	0.30	2.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.40	U	2.40	13.6	ug/Kg
108-88-3	Toluene	0.36	U	0.36	2.70	ug/Kg

Raw Data: **VY020230.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(5.5)	SDG No.:	P4722
Lab Sample ID:	P4722-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.4
Sample Wt/Vol:	10.39 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
VY020230.D	1		11/08/24 14:02	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.33	U	0.33	2.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.31	U	0.31	2.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.46	U	0.46	2.70	ug/Kg
591-78-6	2-Hexanone	2.60	U	2.60	13.6	ug/Kg
124-48-1	Dibromochloromethane	0.35	U	0.35	2.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.43	U	0.43	2.70	ug/Kg
127-18-4	Tetrachloroethene	1.30	J	0.48	2.70	ug/Kg
108-90-7	Chlorobenzene	0.40	U	0.40	2.70	ug/Kg
100-41-4	Ethyl Benzene	0.34	U	0.34	2.70	ug/Kg
179601-23-1	m/p-Xylenes	0.73	U	0.73	5.40	ug/Kg
95-47-6	o-Xylene	0.38	U	0.38	2.70	ug/Kg
100-42-5	Styrene	0.33	U	0.33	2.70	ug/Kg
75-25-2	Bromoform	0.44	U	0.44	2.70	ug/Kg
98-82-8	Isopropylbenzene	0.36	U	0.36	2.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	0.60	2.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.40	U	0.40	2.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.44	U	0.44	2.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.32	U	0.32	2.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.85	U	0.85	2.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.43	U	0.43	2.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.42	U	0.42	2.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.1		50 - 163	122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	48.9		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		29 - 146	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	7.707			
540-36-3	1,4-Difluorobenzene	445000	8.616			
3114-55-4	Chlorobenzene-d5	398000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY020230.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(5.5)	SDG No.:	P4722
Lab Sample ID:	P4722-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.4
Sample Wt/Vol:	10.39 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
VY020230.D	1		11/08/24 14:02	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000106-97-8	Butane	4.20	J		2.20	ug/Kg
019398-86-8	cis-3-Decene	4.20	J		12.6	ug/Kg
	unknown12.731	3.20	J		12.7	ug/Kg
	unknown13.664	2.90	J		13.7	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\VY110824\
Data File : VY020230.D
Acq On : 08 Nov 2024 14:02
Operator : SY/MD
Sample : P4722-01
Misc : 10.39g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

Quant Time: Nov 08 22:18:23 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	7.707	168	209744	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	444878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	397795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	127098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159975	61.112	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.220%			
35) Dibromofluoromethane	7.634	113	148294	52.428	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.860%			
50) Toluene-d8	10.103	98	550182	48.867	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.740%			
62) 4-Bromofluorobenzene	12.408	95	159777	43.691	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 87.380%			
Target Compounds						Qvalue
16) Acetone	3.873	43	17678	29.039	ug/l #	84
20) Methylene Chloride	4.610	84	10151	3.712	ug/l	89
25) 2-Butanone	6.903	43	8035	9.737	ug/l #	79
30) Chloroform	7.427	83	6195	1.272	ug/l	88
64) Tetrachloroethene	10.646	164	6464	2.461	ug/l	94

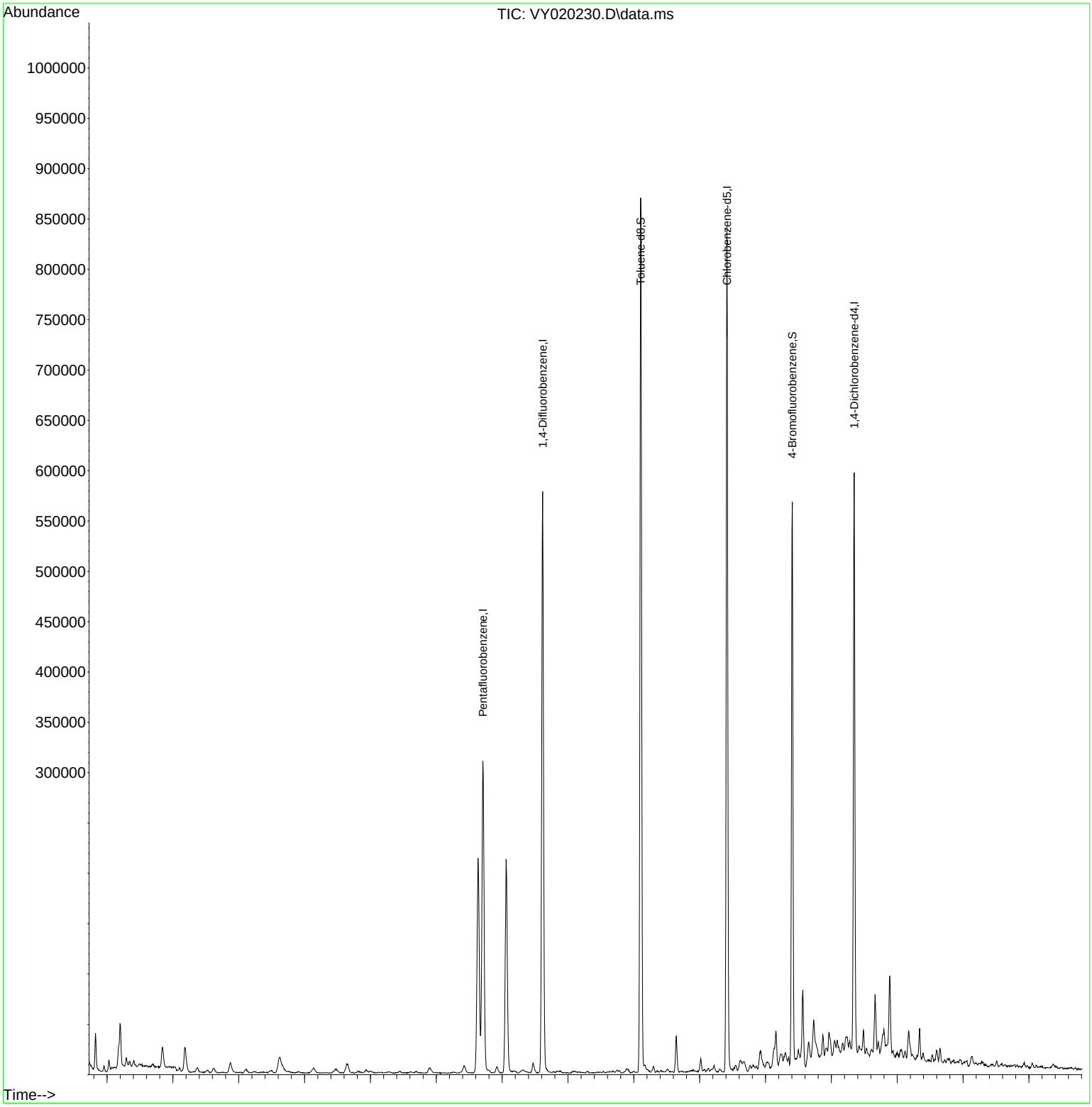
(#) = qualifier out of range (m) = manual integration (+) = signals summed

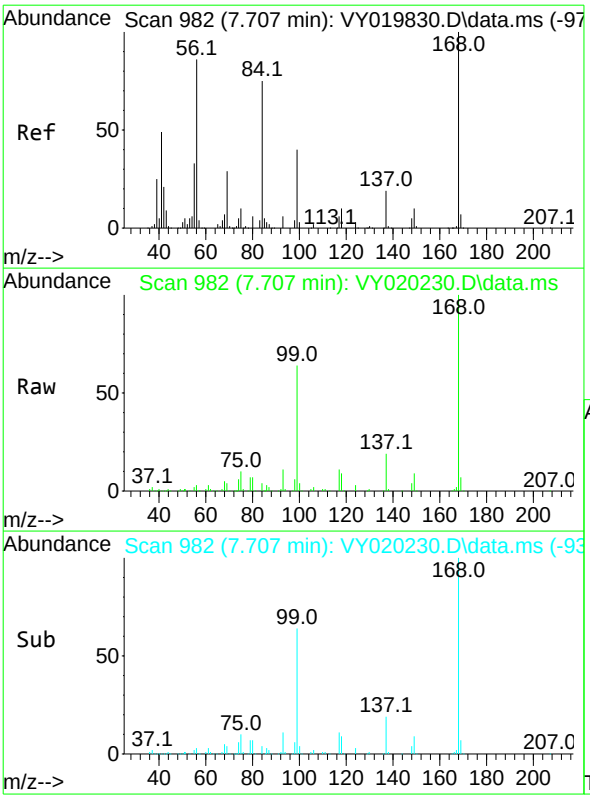
Sample Results: **VY020230.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020230.D
Acq On : 08 Nov 2024 14:02
Operator : SY/MD
Sample : P4722-01
Misc : 10.39g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

Quant Time: Nov 08 22:18:23 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



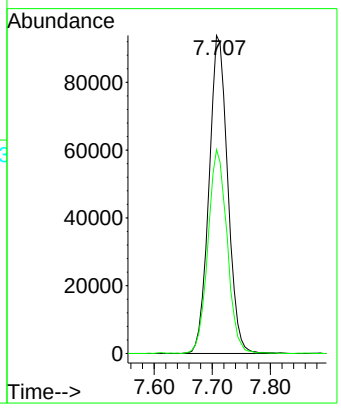


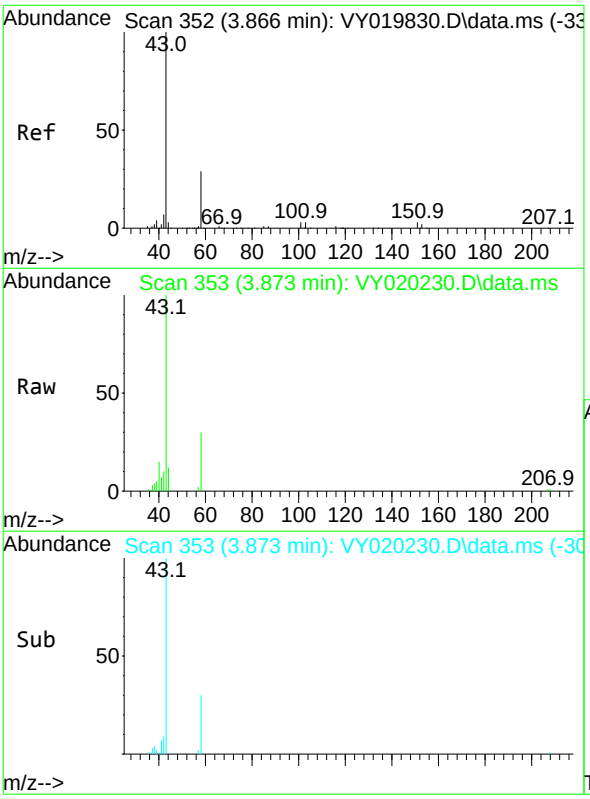
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020230.D
Acq: 08 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

Tgt Ion:168 Resp: 209744

Ion	Ratio	Lower	Upper
168	100		
99	64.0	39.1	58.7#

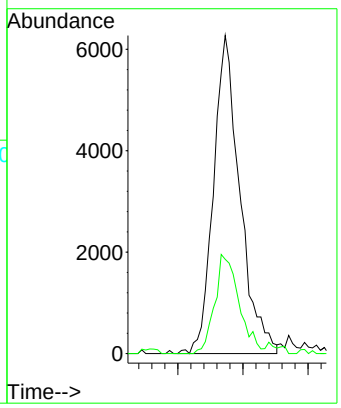


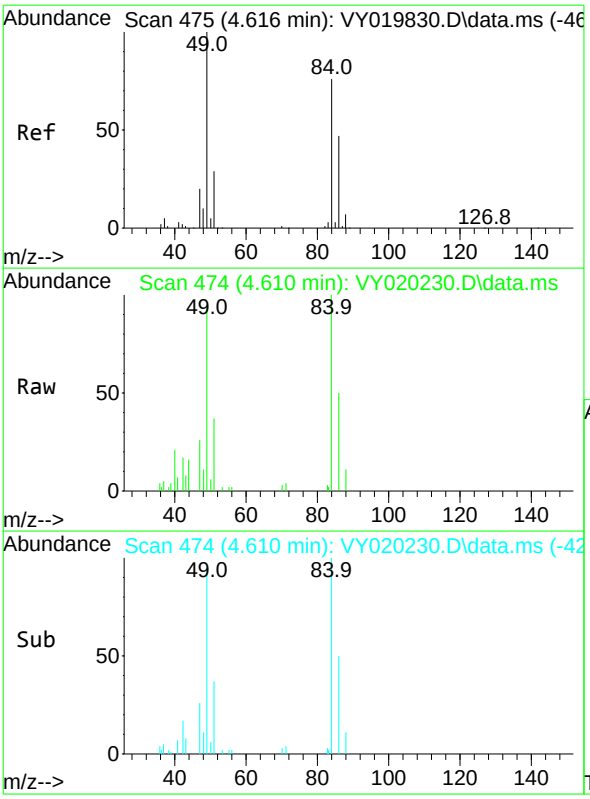


#16
Acetone
Concen: 29.039 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY020230.D
Acq: 08 Nov 2024 14:02

Tgt Ion: 43 Resp: 17678

Ion	Ratio	Lower	Upper
43	100		
58	29.6	31.7	47.5#



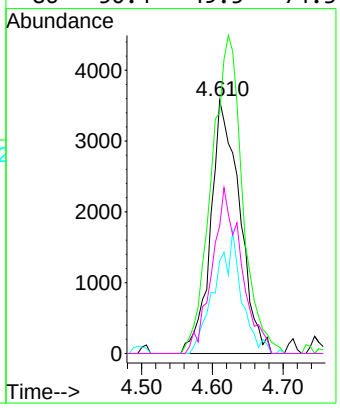


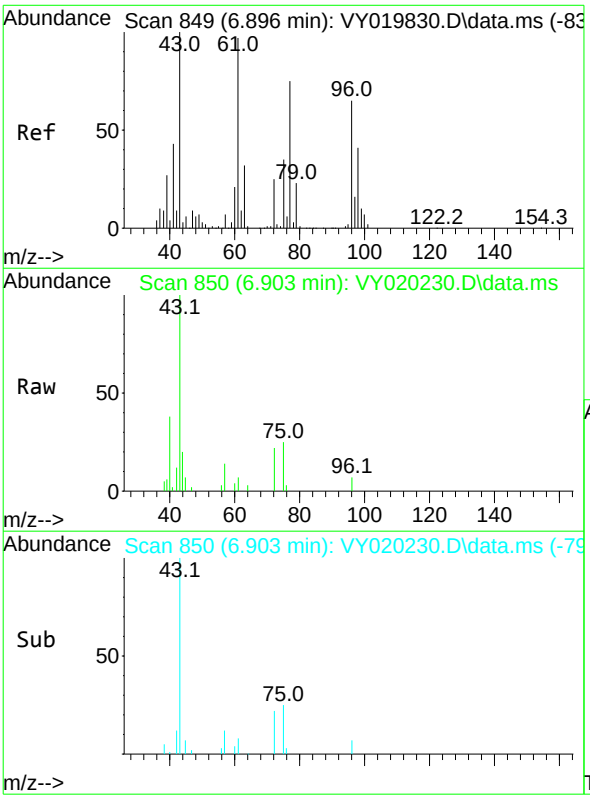
#20
Methylene Chloride
Concen: 3.712 ug/l
RT: 4.610 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY020230.D
Acq: 08 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

Tgt Ion: 84 Resp: 10151

Ion	Ratio	Lower	Upper
84	100		
49	95.1	84.4	126.6
51	36.6	26.0	39.0
86	50.4	49.5	74.3

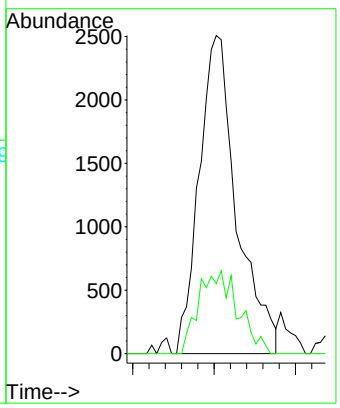


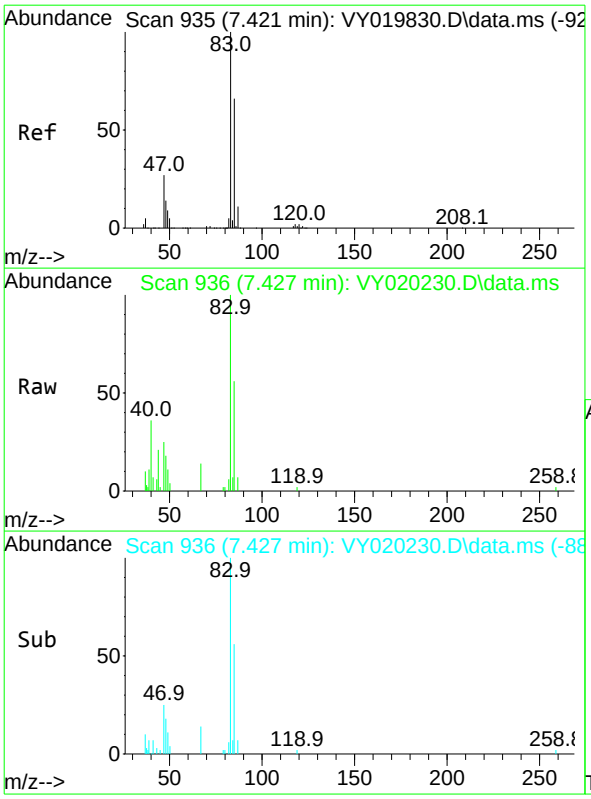


#25
2-Butanone
Concen: 9.737 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.013 min
Lab File: VY020230.D
Acq: 08 Nov 2024 14:02

Tgt Ion: 43 Resp: 8035

Ion	Ratio	Lower	Upper
43	100		
72	22.0	27.3	40.9#



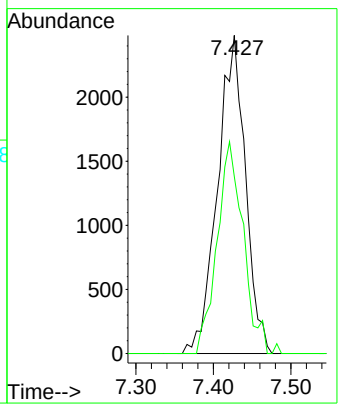


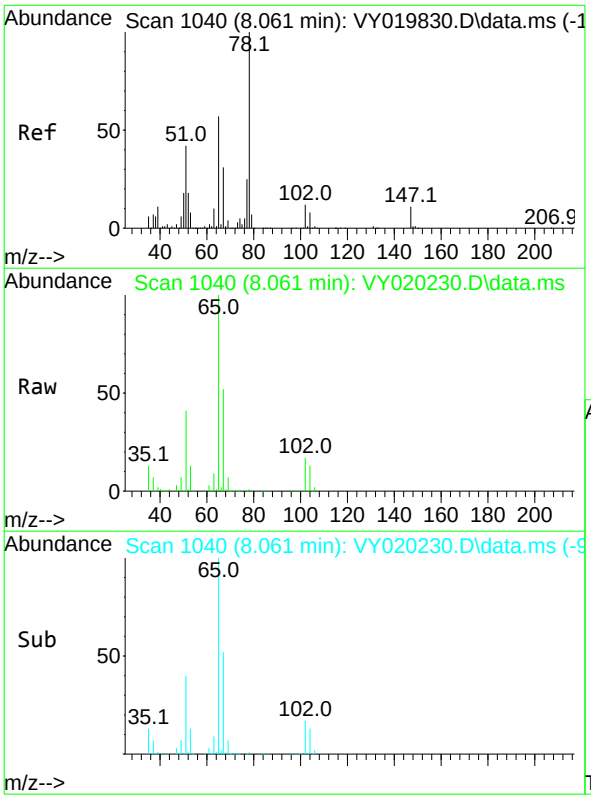
#30
Chloroform
Concen: 1.272 ug/l
RT: 7.427 min Scan# 93
Delta R.T. 0.007 min
Lab File: VY020230.D
Acq: 08 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

Tgt Ion: 83 Resp: 6195

Ion	Ratio	Lower	Upper
83	100		
85	55.7	52.2	78.4

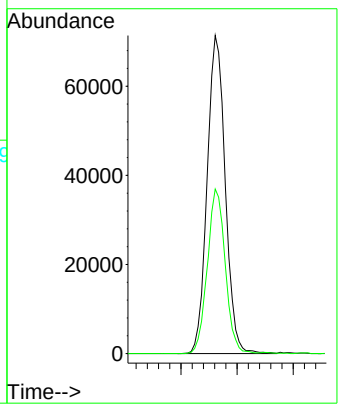


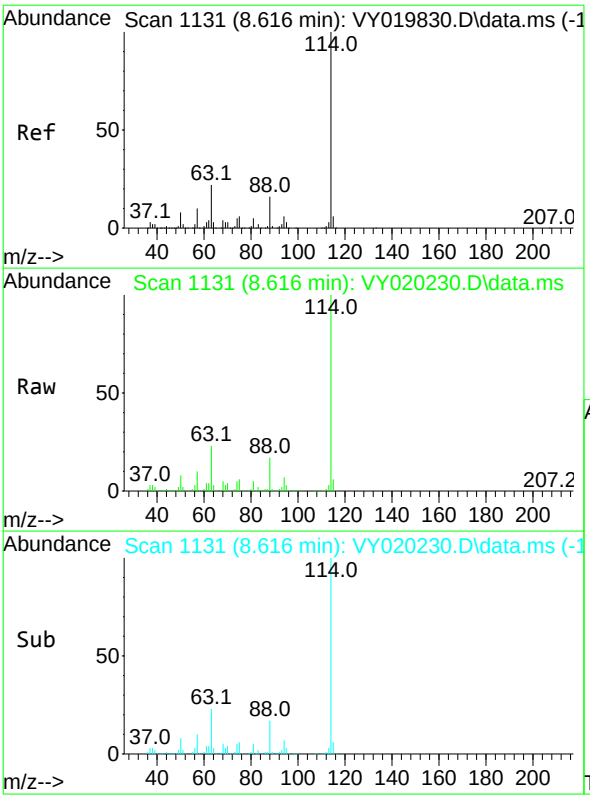


#33
1,2-Dichloroethane-d4
Concen: 61.112 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020230.D
Acq: 08 Nov 2024 14:02

Tgt Ion: 65 Resp: 159975

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	109.6



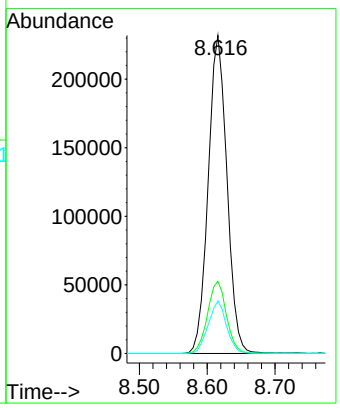


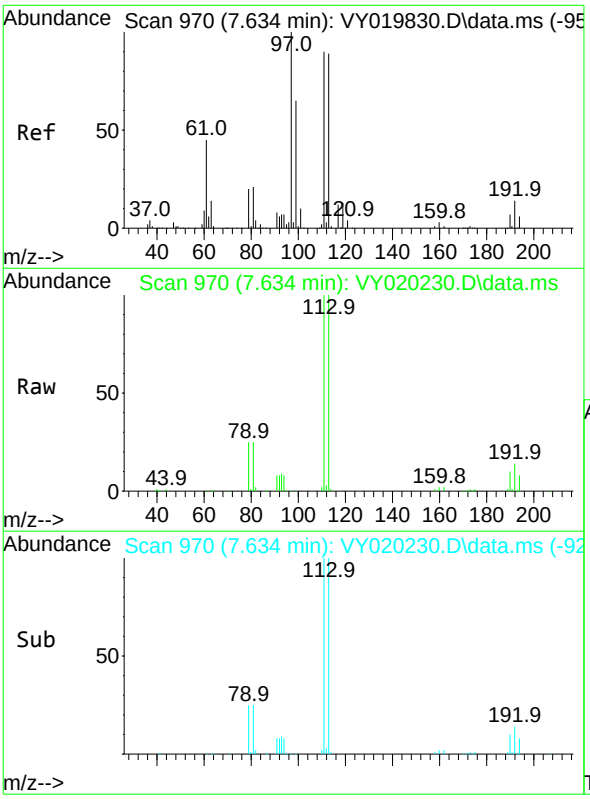
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020230.D
Acq: 08 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

Tgt Ion:114 Resp: 444878

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	35.0
88	16.5	0.0	27.2

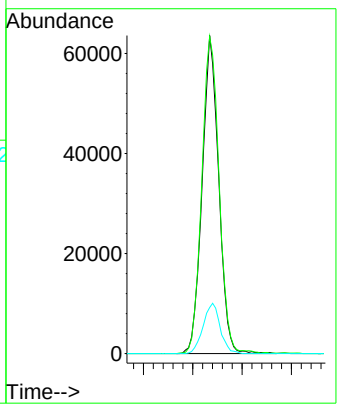


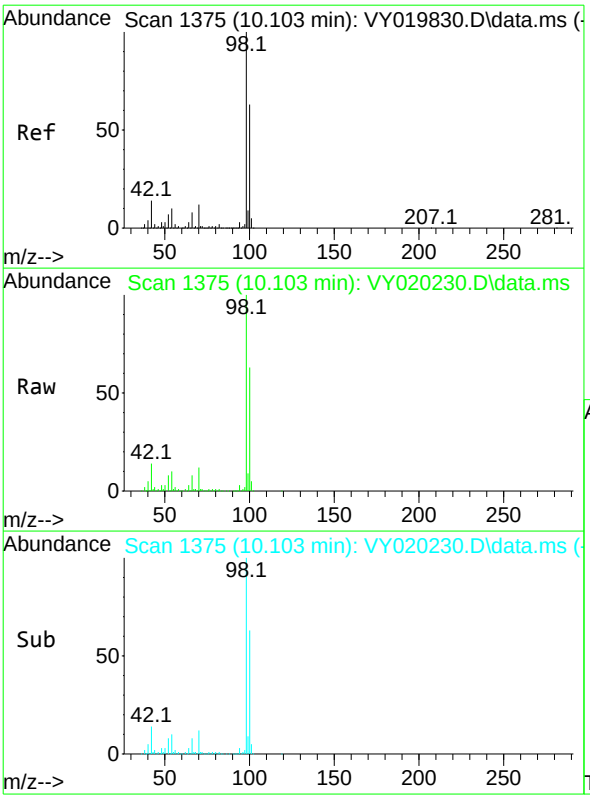


#35
Dibromofluoromethane
Concen: 52.428 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020230.D
Acq: 08 Nov 2024 14:02

Tgt Ion:113 Resp: 148294

Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.2	123.4
192	16.3	15.9	23.9



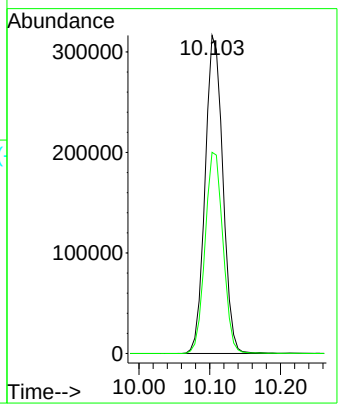


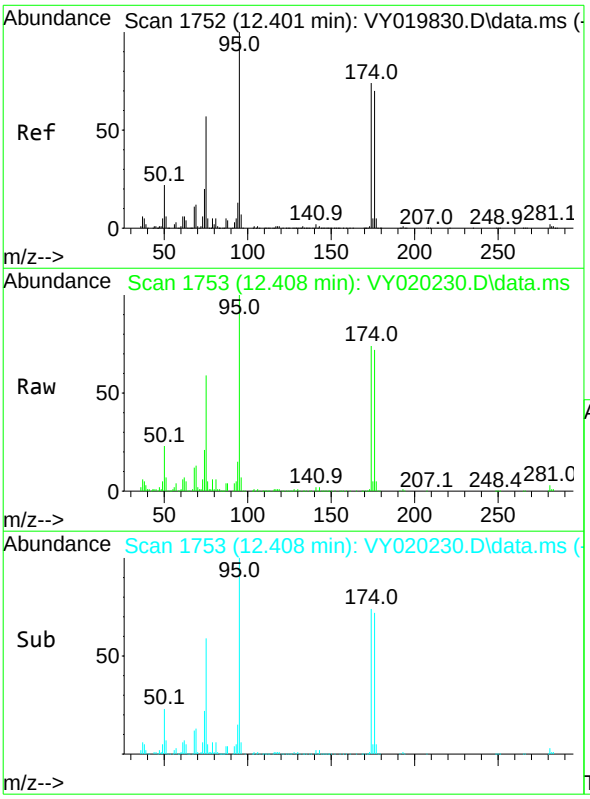
#50
Toluene-d8
Concen: 48.867 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020230.D
Acq: 08 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

Tgt Ion: 98 Resp: 550182

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0

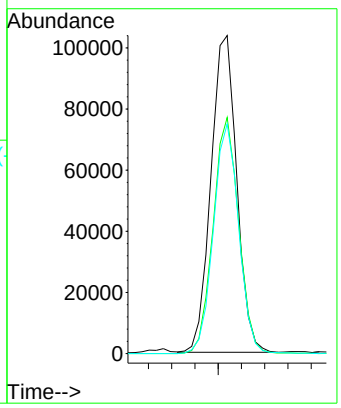


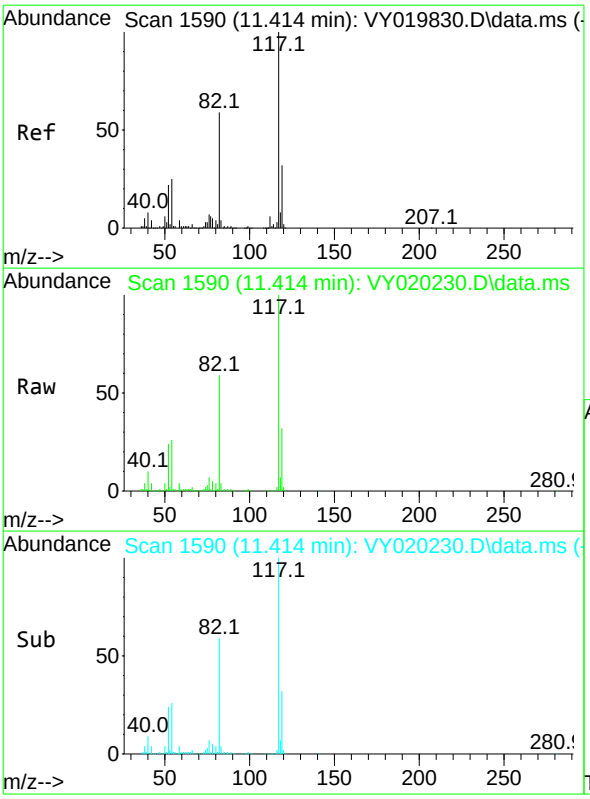


#62
4-Bromofluorobenzene
Concen: 43.691 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020230.D
Acq: 08 Nov 2024 14:02

Tgt Ion: 95 Resp: 159777

Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	175.6
176	71.0	0.0	171.4



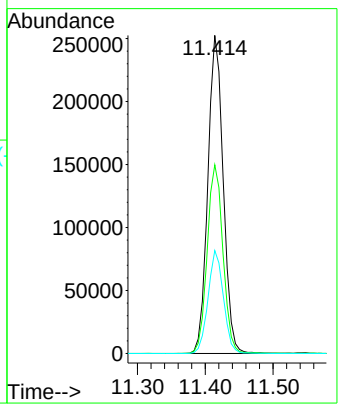


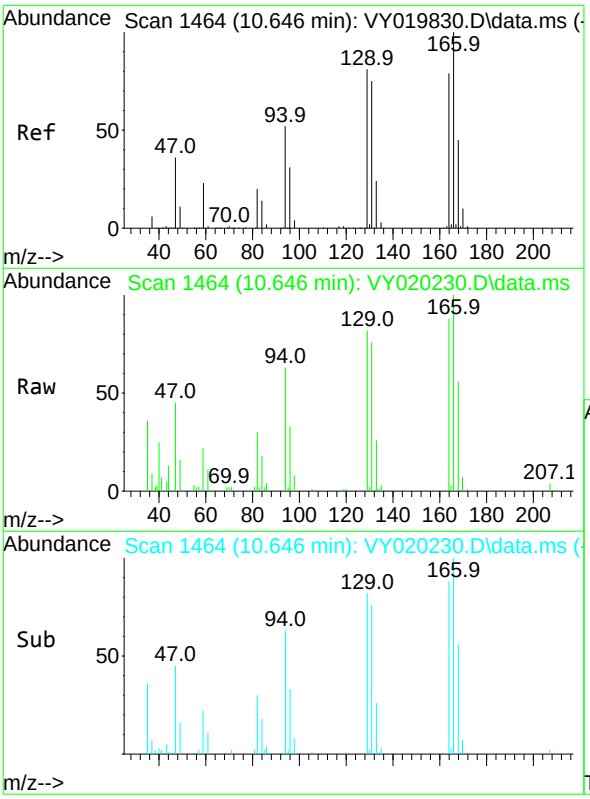
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020230.D
Acq: 08 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

Tgt Ion:117 Resp: 397795

Ion	Ratio	Lower	Upper
117	100		
82	59.3	42.4	63.6
119	32.4	25.9	38.9

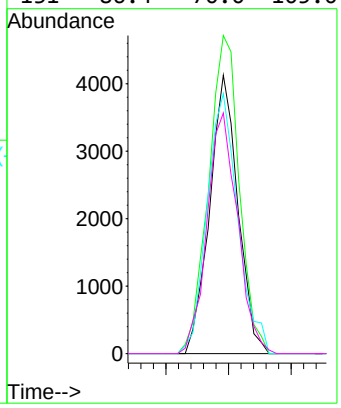


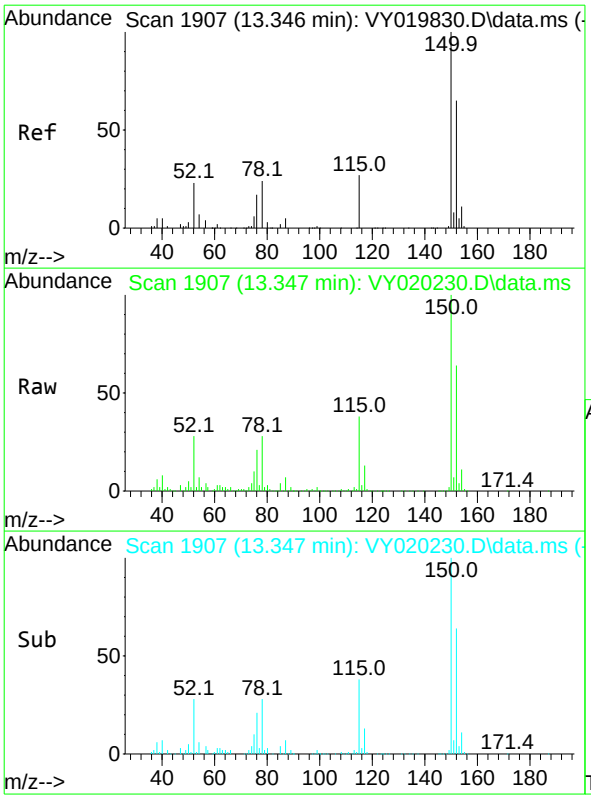


#64
Tetrachloroethene
Concen: 2.461 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY020230.D
Acq: 08 Nov 2024 14:02

Tgt Ion:164 Resp: 6464

Ion	Ratio	Lower	Upper
164	100		
166	114.2	102.6	154.0
129	93.3	72.0	108.0
131	86.4	70.0	105.0



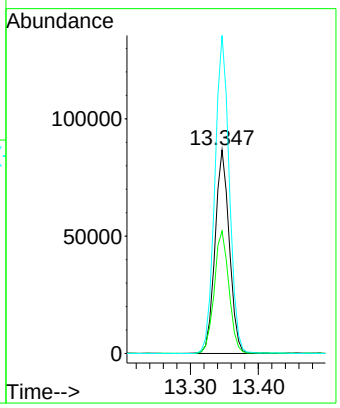


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020230.D
Acq: 08 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

Tgt Ion:152 Resp: 127098

Ion	Ratio	Lower	Upper
152	100		
115	61.6	28.2	84.7
150	157.7	0.0	345.6



Sample Results: **VY020230.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020230.D
Acq On : 08 Nov 2024 14:02
Operator : SY/MD
Sample : P4722-01
Misc : 10.39g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

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

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

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

Signal : TIC: VY020230.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	11	17	25	rVB	36699	52375	3.44%	0.572%
2	2.025	45	50	55	rBV3	11499	19314	1.27%	0.211%
3	2.196	68	78	89	rBV2	44223	107989	7.10%	1.180%
4	2.842	176	184	192	rBV3	20223	46250	3.04%	0.505%
5	3.184	230	240	250	rVB2	24484	62236	4.09%	0.680%
6	3.873	343	353	366	rBV2	10166	29088	1.91%	0.318%
7	4.623	465	476	487	rBV6	15363	64350	4.23%	0.703%
8	5.141	550	561	568	rBV4	4937	15817	1.04%	0.173%
9	5.641	635	643	644	rBV	9382	16142	1.06%	0.176%
10	6.903	841	850	858	rBV4	5369	16436	1.08%	0.180%
11	7.421	922	935	946	rBV4	7369	22884	1.50%	0.250%
12	7.634	958	970	976	rBV2	213510	514900	33.84%	5.625%
13	7.707	976	982	995	rVB	308039	695002	45.68%	7.593%
14	7.921	1008	1017	1025	rVB6	6303	15947	1.05%	0.174%
15	8.061	1030	1040	1053	rBV2	212726	470380	30.92%	5.139%
16	8.469	1102	1107	1116	rVB5	9786	21166	1.39%	0.231%
17	8.616	1120	1131	1147	rBV	577482	1127668	74.12%	12.319%
18	10.103	1367	1375	1383	rBV	868922	1521503	100.00%	16.622%
19	10.646	1458	1464	1471	rBV2	36544	60246	3.96%	0.658%
20	11.018	1518	1525	1530	rBV3	13475	23669	1.56%	0.259%
21	11.414	1582	1590	1600	rBV	839418	1352526	88.89%	14.776%
22	11.621	1616	1624	1628	rBV7	10261	29172	1.92%	0.319%
23	11.926	1667	1674	1685	rBV7	18302	57074	3.75%	0.624%
24	12.133	1698	1708	1709	rBV4	20409	41012	2.70%	0.448%
25	12.158	1709	1712	1718	rVB2	35047	56021	3.68%	0.612%
26	12.231	1718	1724	1730	rBV8	11251	32549	2.14%	0.356%
27	12.304	1730	1736	1741	rVB8	8769	21049	1.38%	0.230%
28	12.408	1746	1753	1760	rBV	559102	883324	58.06%	9.650%
29	12.566	1773	1779	1786	rVB2	76465	136610	8.98%	1.492%
30	12.658	1786	1794	1799	rBV7	24575	64347	4.23%	0.703%
31	12.731	1799	1806	1821	rVB9	37523	105157	6.91%	1.149%
32	12.871	1825	1829	1833	rVB6	20169	28489	1.87%	0.311%
33	12.926	1833	1838	1841	rBV4	7450	16256	1.07%	0.178%
34	12.963	1841	1844	1847	rBV3	18580	28341	1.86%	0.310%
35	13.048	1854	1858	1862	rBV7	12903	25134	1.65%	0.275%
36	13.219	1882	1886	1887	rBV4	12783	15864	1.04%	0.173%

Sample Results: **VY020230.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020230.D
Acq On : 08 Nov 2024 14:02
Operator : SY/MD
Sample : P4722-01
Misc : 10.39g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

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

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

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

37	13.347	1900	1907	1915	rVB	576189	884762	58.15%	9.666%
38	13.487	1926	1930	1935	rVB6	22967	33095	2.18%	0.362%
39	13.664	1954	1959	1964	rBV3	57147	94270	6.20%	1.030%
40	13.712	1964	1967	1971	rVB5	11038	15488	1.02%	0.169%
41	13.779	1973	1978	1979	rBV4	15533	22227	1.46%	0.243%
42	13.889	1990	1996	2001	rVB	76670	132462	8.71%	1.447%
43	14.176	2037	2043	2050	rBV9	26650	59449	3.91%	0.649%
44	14.340	2065	2070	2075	rVB3	30951	44728	2.94%	0.489%
45	14.596	2109	2112	2117	rVV7	12090	21093	1.39%	0.230%
46	14.651	2117	2121	2129	rVB6	14330	24054	1.58%	0.263%
47	15.133	2193	2200	2206	rBV6	9954	25861	1.70%	0.283%

Sum of corrected areas: 9153776

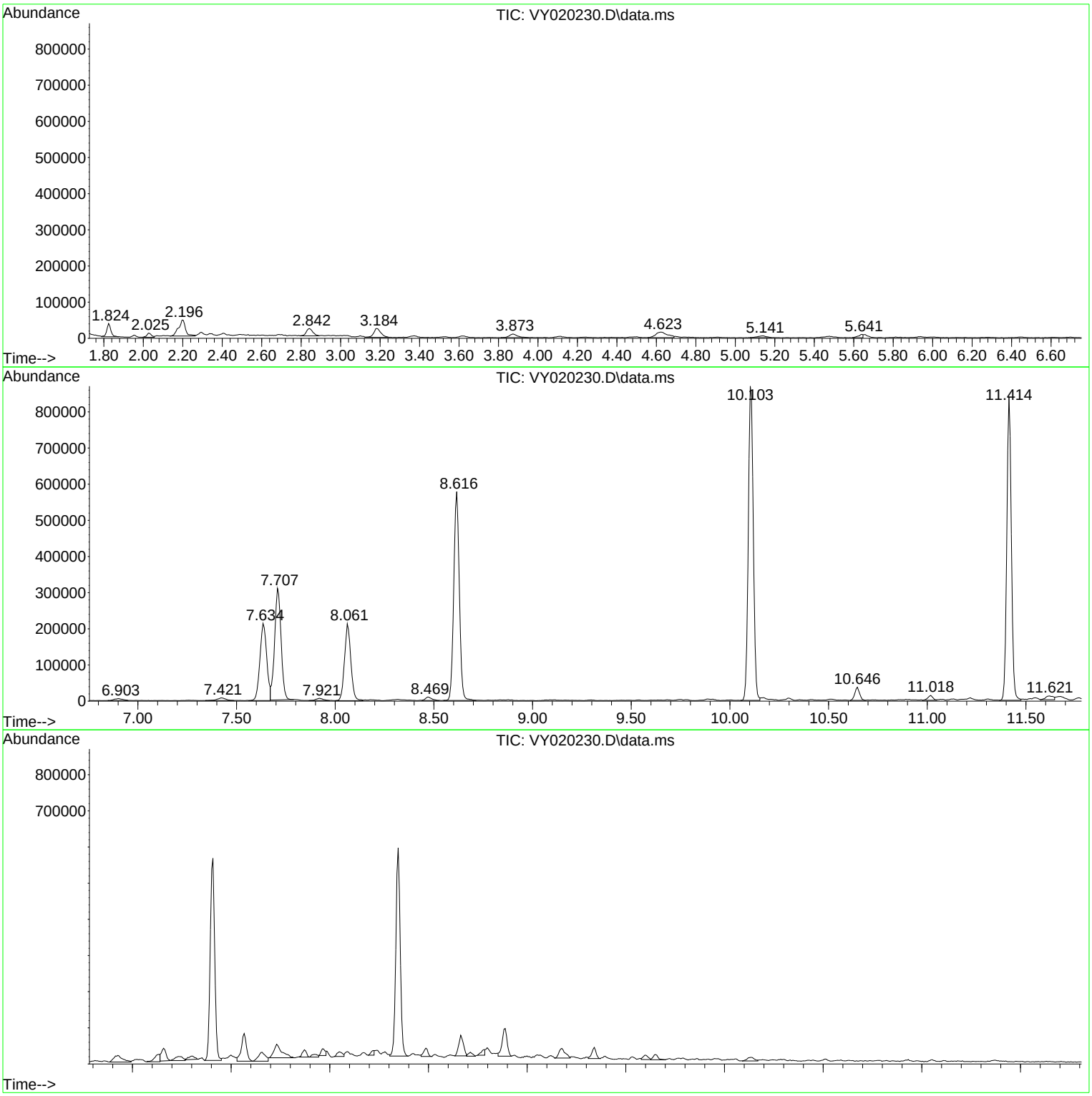
Sample Results: **VY020230.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020230.D
Acq On : 08 Nov 2024 14:02
Operator : SY/MD
Sample : P4722-01
Misc : 10.39g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020230.D
Acq On : 08 Nov 2024 14:02
Operator : SY/MD
Sample : P4722-01
Misc : 10.39g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

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

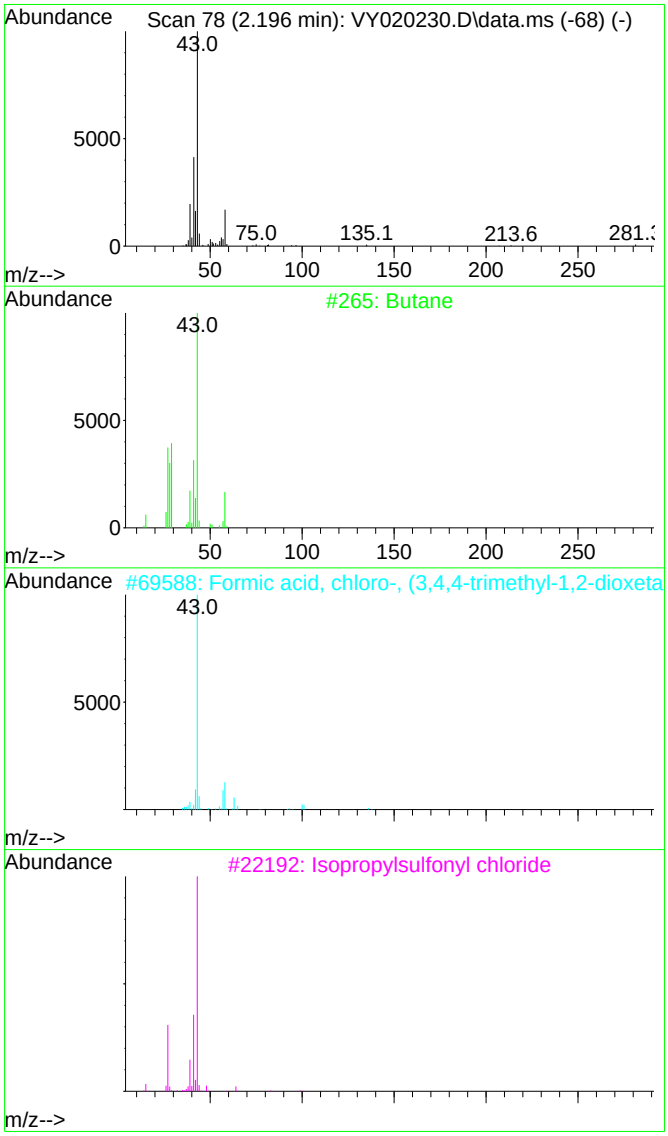
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

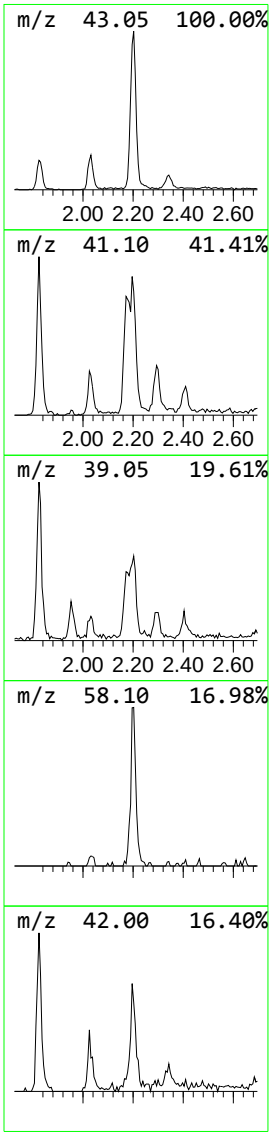
****

Peak Number 1 Butane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.196	7.77 ug/l	107989	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	64
2	Formic acid, chloro-, (3,4,4-tri...	194	C7H11ClO4	107323-92-2	33
3	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
4	Hydroperoxide, 1-methylethyl	76	C3H8O2	003031-75-2	9
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020230.D
Acq On : 08 Nov 2024 14:02
Operator : SY/MD
Sample : P4722-01
Misc : 10.39g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

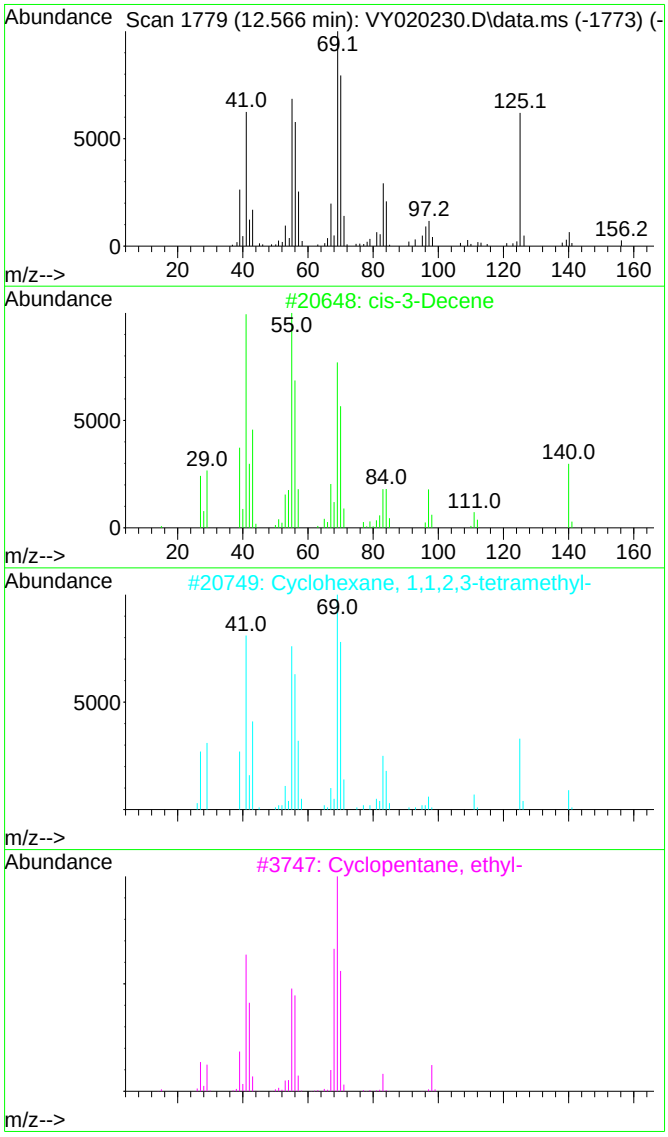
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

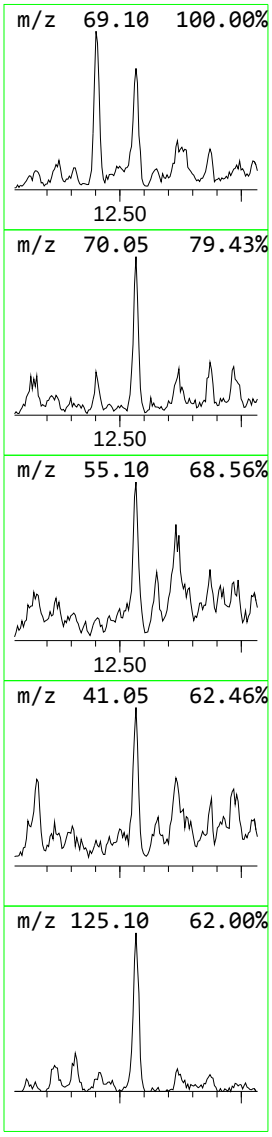
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 cis-3-Decene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.566	7.72 ug/l	136610	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-3-Decene	140	C10H20	019398-86-8	72
2	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	68
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	50
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	50
5	Cyclopropane, 1-ethyl-2-heptyl-	168	C12H24	074663-86-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020230.D
Acq On : 08 Nov 2024 14:02
Operator : SY/MD
Sample : P4722-01
Misc : 10.39g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

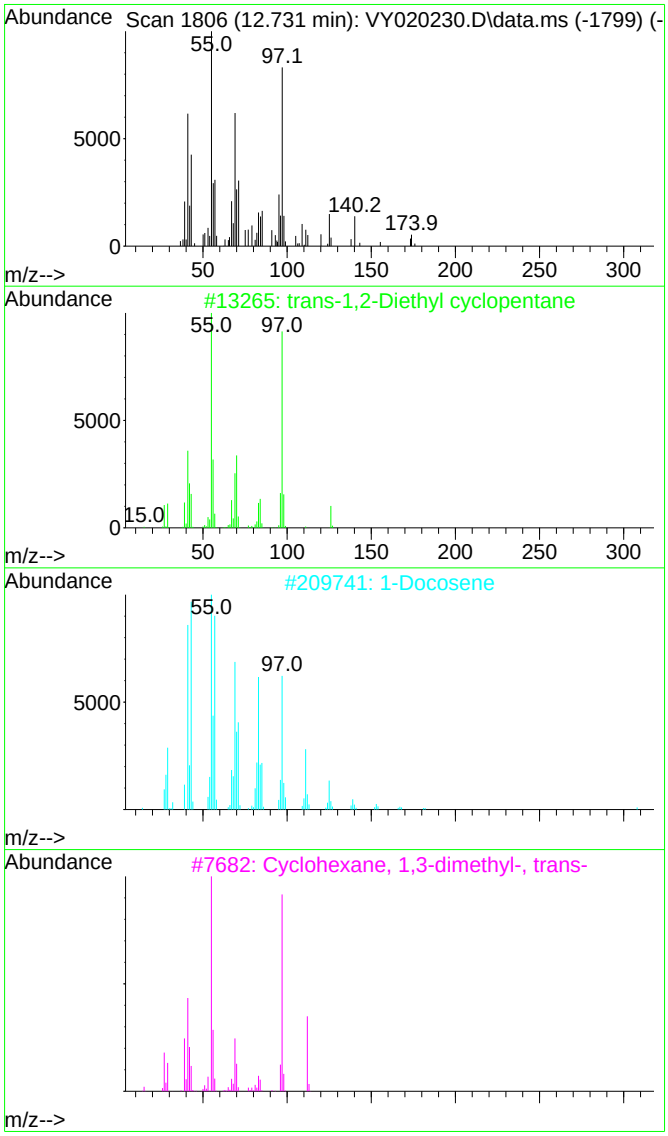
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

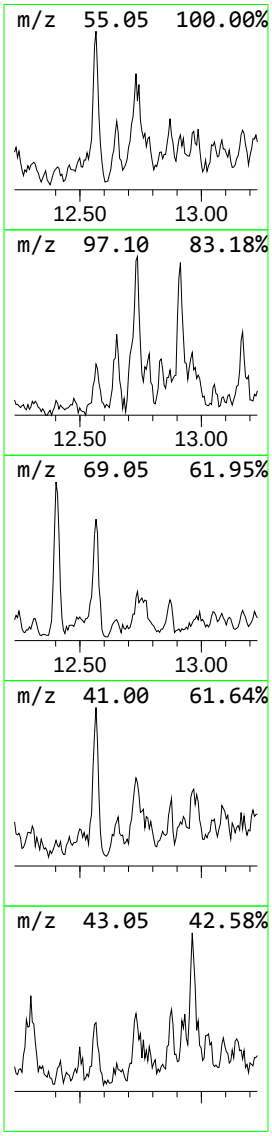
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 unknown12.731 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.731	5.94 ug/l	105157	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	49
2	1-Docosene	308	C22H44	001599-67-3	47
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	46
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	43
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020230.D
Acq On : 08 Nov 2024 14:02
Operator : SY/MD
Sample : P4722-01
Misc : 10.39g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

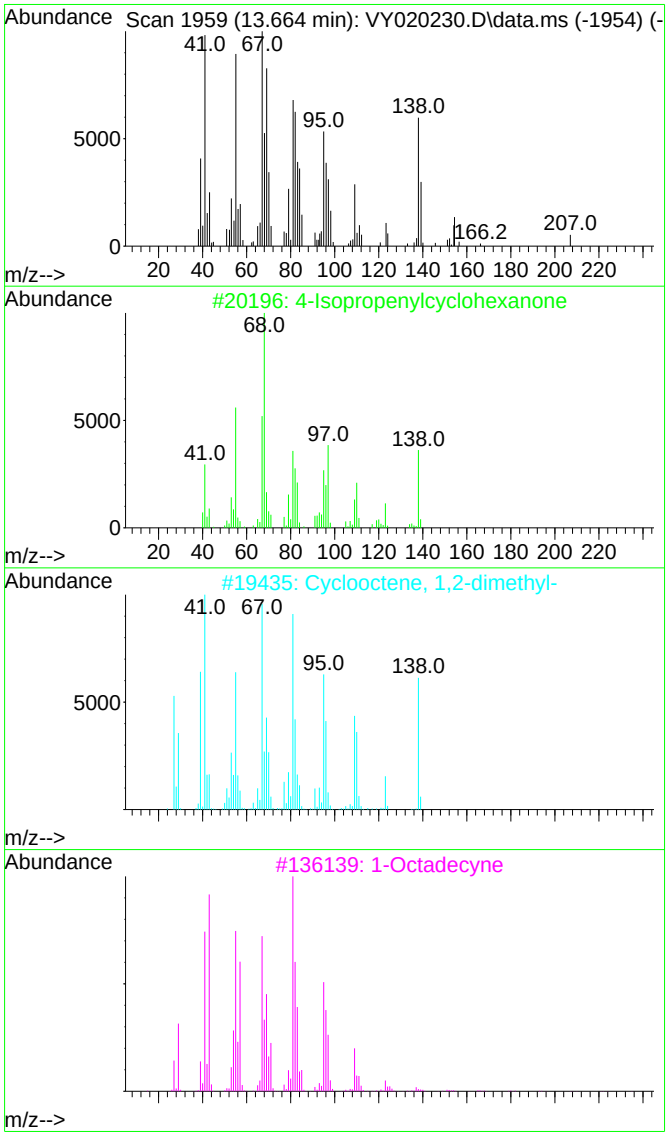
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

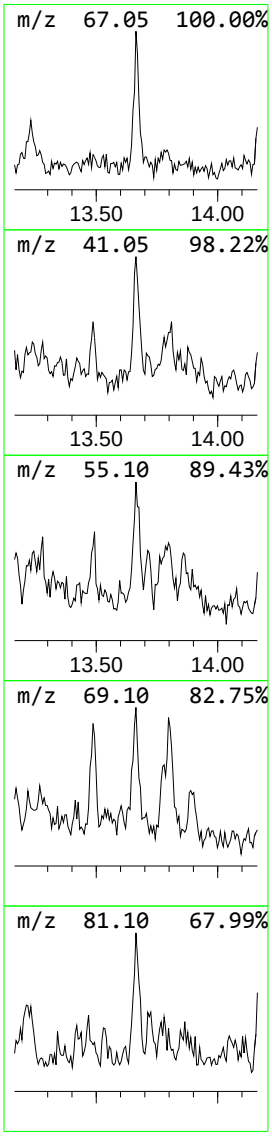
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 unknown13.664 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.664	5.33 ug/l	94270	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Isopropenylcyclohexanone	138	C9H14O	022460-53-3	49
2	Cyclooctene, 1,2-dimethyl-	138	C10H18	054299-96-6	46
3	1-Octadecyne	250	C18H34	000629-89-0	46
4	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	41
5	Cyclohexanone, 4-ethyl-3,4-dimet...	154	C10H18O	017429-42-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020230.D
Acq On : 08 Nov 2024 14:02
Operator : SY/MD
Sample : P4722-01
Misc : 10.39g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(5.5)

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane	2.196	7.8	ug/l	107989	1	7.707	695002	50.0
cis-3-Decene	12.566	7.7	ug/l	136610	4	13.347	884762	50.0
unknown12.731	12.731	5.9	ug/l	105157	4	13.347	884762	50.0
unknown13.664	13.664	5.3	ug/l	94270	4	13.347	884762	50.0

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(2)	SDG No.:	P4722
Lab Sample ID:	P4722-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.8
Sample Wt/Vol:	11.43 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
VY020207.D	1		11/07/24 15:20	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.80	U	0.80	2.40	ug/Kg
74-87-3	Chloromethane	0.57	U	0.57	2.40	ug/Kg
75-01-4	Vinyl Chloride	0.38	U	0.38	2.40	ug/Kg
74-83-9	Bromomethane	0.50	U	0.50	2.40	ug/Kg
75-00-3	Chloroethane	0.49	U	0.49	2.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.44	U	0.44	2.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.52	U	0.52	2.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.38	U	0.38	2.40	ug/Kg
67-64-1	Acetone	3.00	U	3.00	12.2	ug/Kg
75-15-0	Carbon Disulfide	0.62	U	0.62	2.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.33	U	0.33	2.40	ug/Kg
79-20-9	Methyl Acetate	0.88	U	0.88	2.40	ug/Kg
75-09-2	Methylene Chloride	1.70	U	1.70	4.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.41	U	0.41	2.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.31	U	0.31	2.40	ug/Kg
110-82-7	Cyclohexane	0.34	U	0.34	2.40	ug/Kg
78-93-3	2-Butanone	2.80	U	2.80	12.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.42	U	0.42	2.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.30	U	0.30	2.40	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	2.40	ug/Kg
67-66-3	Chloroform	0.33	U	0.33	2.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.38	U	0.38	2.40	ug/Kg
108-87-2	Methylcyclohexane	0.42	U	0.42	2.40	ug/Kg
71-43-2	Benzene	0.35	U	0.35	2.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.30	U	0.30	2.40	ug/Kg
79-01-6	Trichloroethene	0.37	U	0.37	2.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.32	U	0.32	2.40	ug/Kg
75-27-4	Bromodichloromethane	0.27	U	0.27	2.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.10	U	2.10	12.2	ug/Kg
108-88-3	Toluene	0.33	U	0.33	2.40	ug/Kg

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(2)	SDG No.:	P4722
Lab Sample ID:	P4722-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.8
Sample Wt/Vol:	11.43 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
VY020207.D	1		11/07/24 15:20	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.29	U	0.29	2.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.28	U	0.28	2.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.41	U	0.41	2.40	ug/Kg
591-78-6	2-Hexanone	2.30	U	2.30	12.2	ug/Kg
124-48-1	Dibromochloromethane	0.32	U	0.32	2.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.38	U	0.38	2.40	ug/Kg
127-18-4	Tetrachloroethene	0.43	U	0.43	2.40	ug/Kg
108-90-7	Chlorobenzene	0.36	U	0.36	2.40	ug/Kg
100-41-4	Ethyl Benzene	0.30	U	0.30	2.40	ug/Kg
179601-23-1	m/p-Xylenes	0.66	U	0.66	4.90	ug/Kg
95-47-6	o-Xylene	0.34	U	0.34	2.40	ug/Kg
100-42-5	Styrene	0.29	U	0.29	2.40	ug/Kg
75-25-2	Bromoform	0.39	U	0.39	2.40	ug/Kg
98-82-8	Isopropylbenzene	0.33	U	0.33	2.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.54	U	0.54	2.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.36	U	0.36	2.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.39	U	0.39	2.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.29	U	0.29	2.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.76	U	0.76	2.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.38	U	0.38	2.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.38	U	0.38	2.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.8		50 - 163	124%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.5		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		29 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	199000	7.713			
540-36-3	1,4-Difluorobenzene	428000	8.616			
3114-55-4	Chlorobenzene-d5	407000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY020207.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(2)	SDG No.:	P4722
Lab Sample ID:	P4722-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.8
Sample Wt/Vol:	11.43 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
VY020207.D	1		11/07/24 15:20	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003387-41-5	Bicyclo[3.1.0]hexane, 4-methylene-	4.00	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\VY110724\
Data File : VY020207.D
Acq On : 07 Nov 2024 15:20
Operator : SY/MD
Sample : P4722-06
Misc : 11.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(2)

Quant Time: Nov 08 00:28:02 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

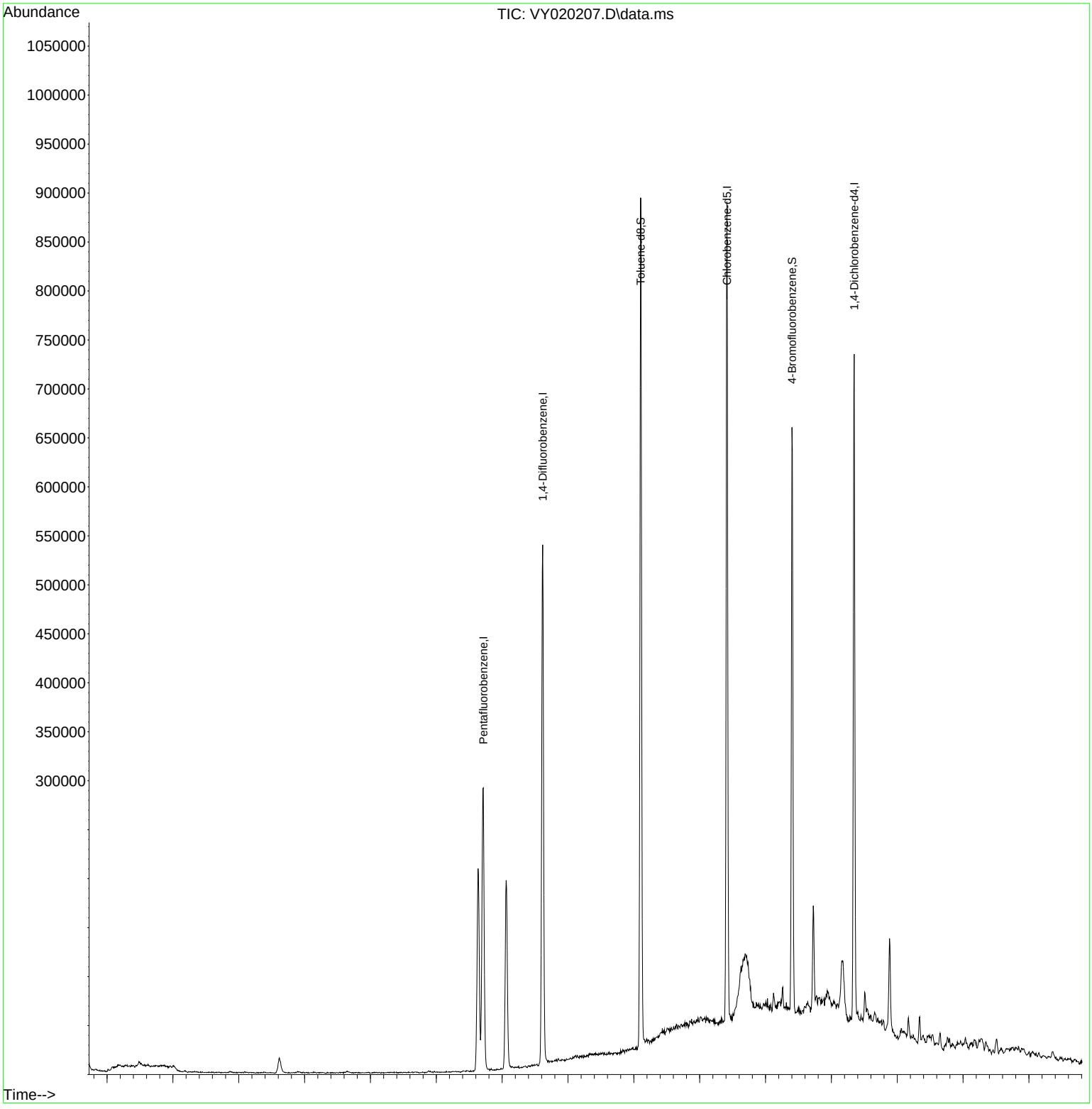
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	198592	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	428344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	407022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153252	61.831	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.660%			
35) Dibromofluoromethane	7.634	113	143441	52.670	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.340%			
50) Toluene-d8	10.103	98	536403	49.482	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.960%			
62) 4-Bromofluorobenzene	12.402	95	178591	50.720	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 101.440%			
Target Compounds						Qvalue

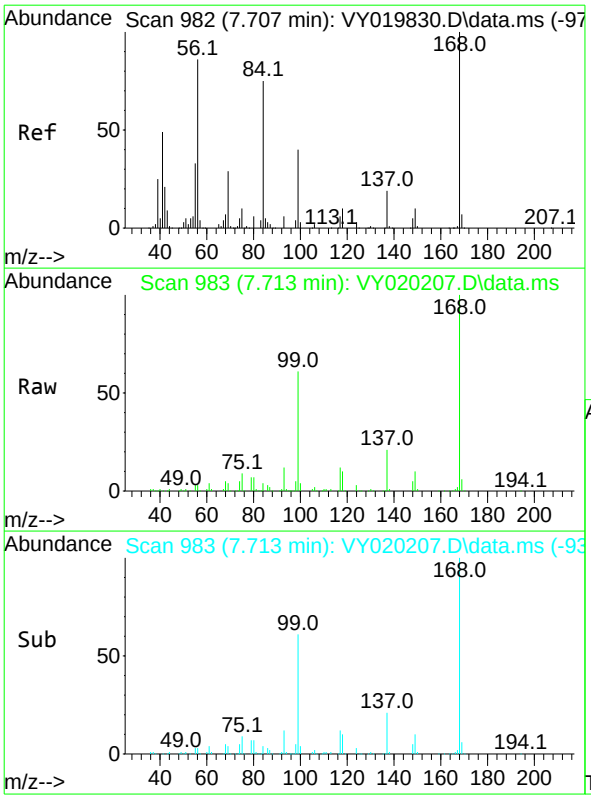
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020207.D
Acq On : 07 Nov 2024 15:20
Operator : SY/MD
Sample : P4722-06
Misc : 11.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(2)

Quant Time: Nov 08 00:28:02 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



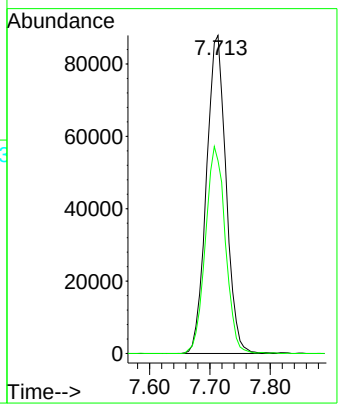


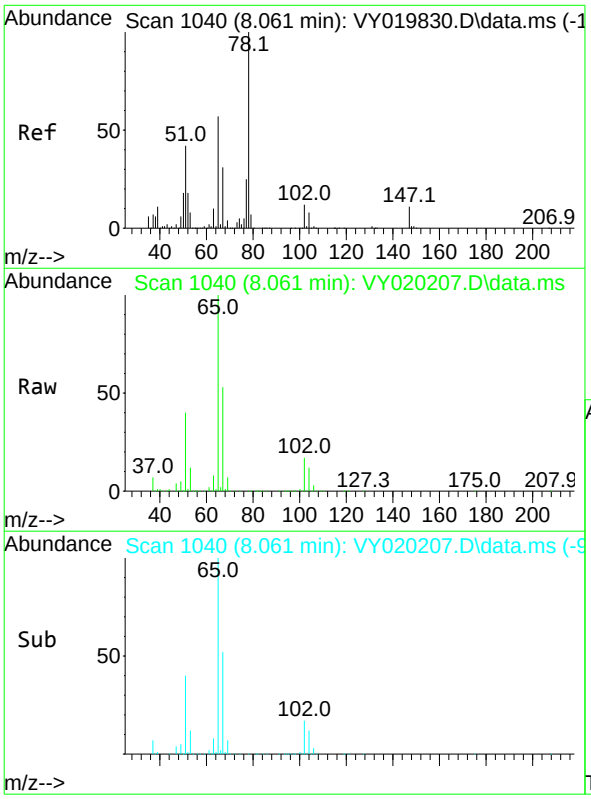
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020207.D
Acq: 07 Nov 2024 15:20

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(2)

Tgt Ion:168 Resp: 198592

Ion	Ratio	Lower	Upper
168	100		
99	60.6	39.1	58.7#

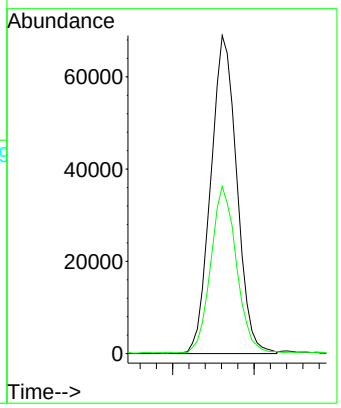


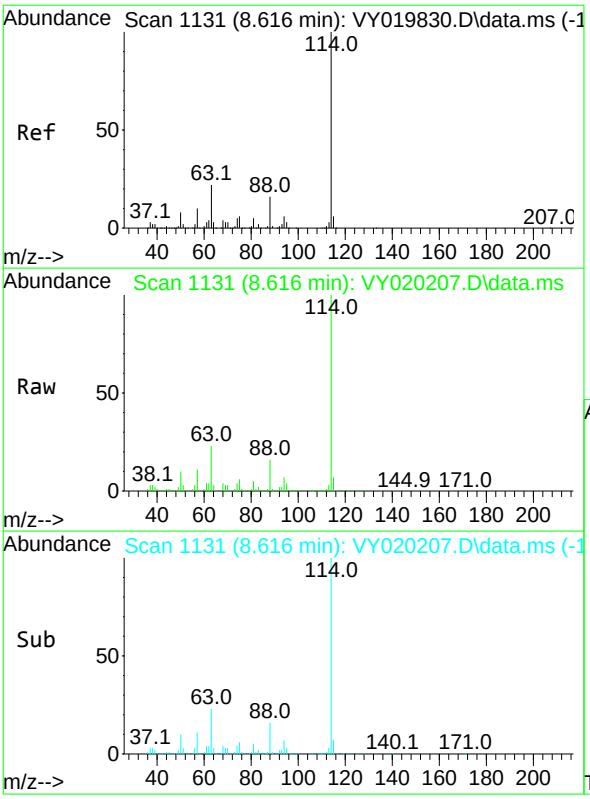


#33
1,2-Dichloroethane-d4
Concen: 61.831 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020207.D
Acq: 07 Nov 2024 15:20

Tgt Ion: 65 Resp: 153252

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	109.6



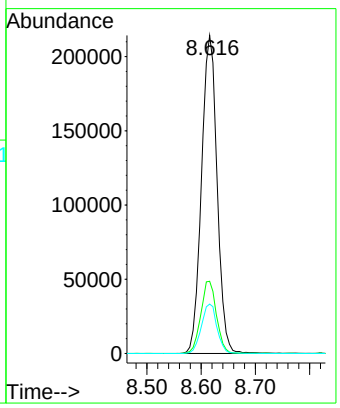


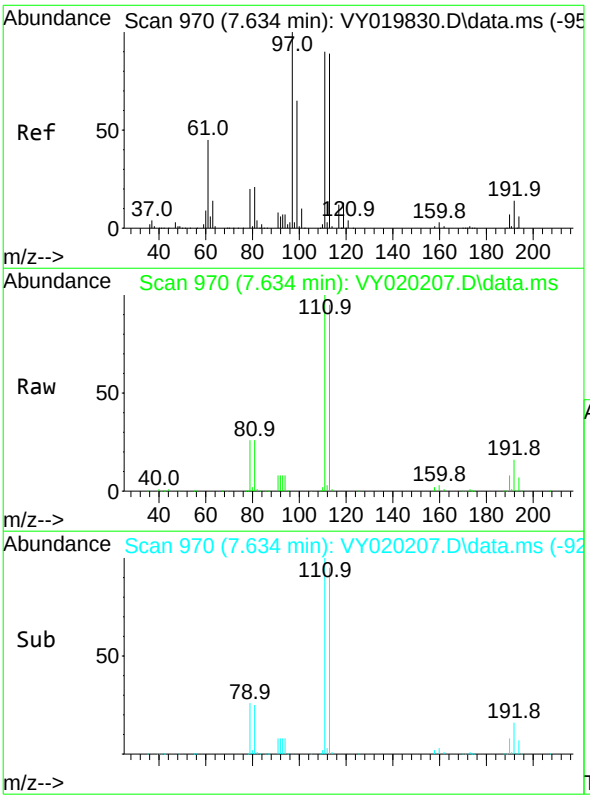
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020207.D
Acq: 07 Nov 2024 15:20

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(2)

Tgt Ion:114 Resp: 428344

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	35.0
88	15.5	0.0	27.2

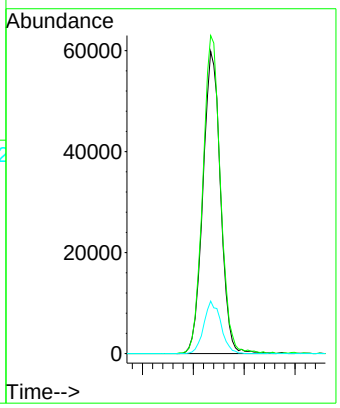


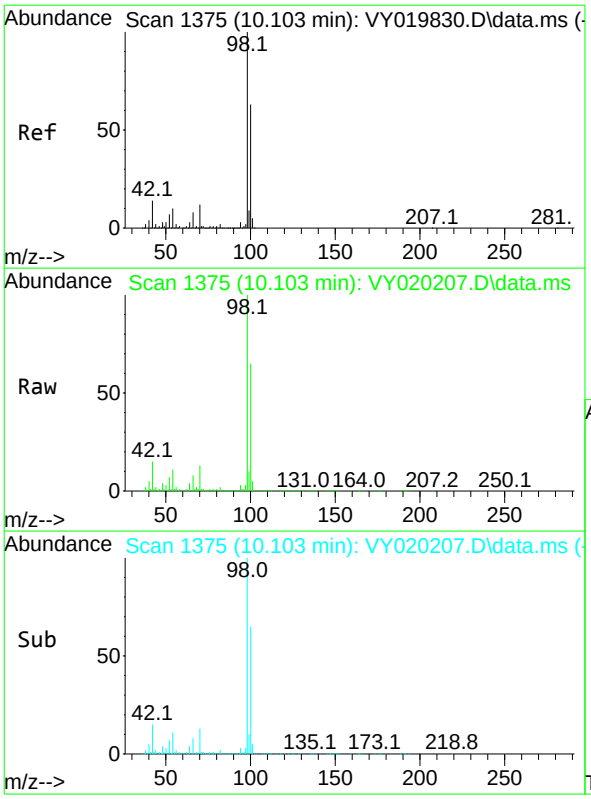


#35
Dibromofluoromethane
Concen: 52.670 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020207.D
Acq: 07 Nov 2024 15:20

Tgt Ion:113 Resp: 143441

Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.2	123.4
192	16.9	15.9	23.9



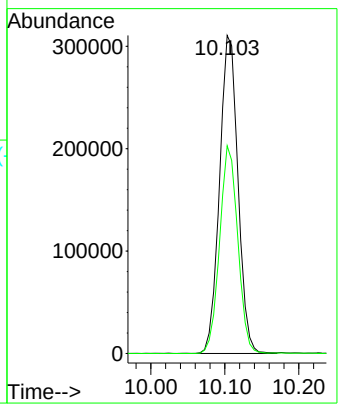


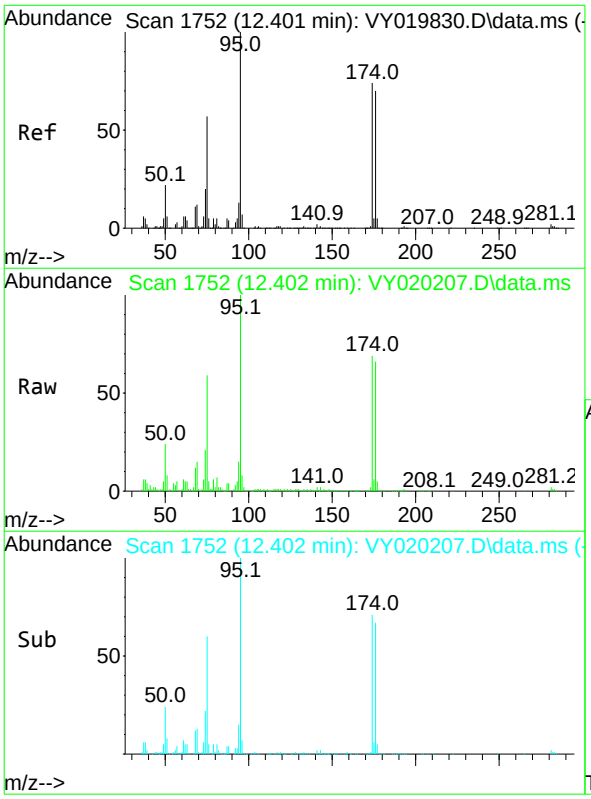
#50
Toluene-d8
Concen: 49.482 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020207.D
Acq: 07 Nov 2024 15:20

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(2)

Tgt Ion: 98 Resp: 536403

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0

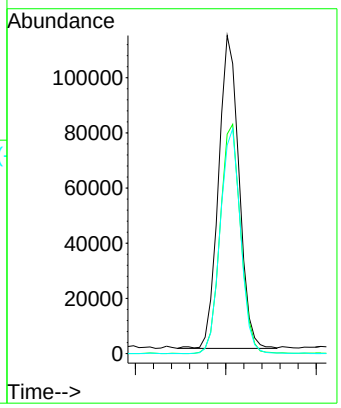


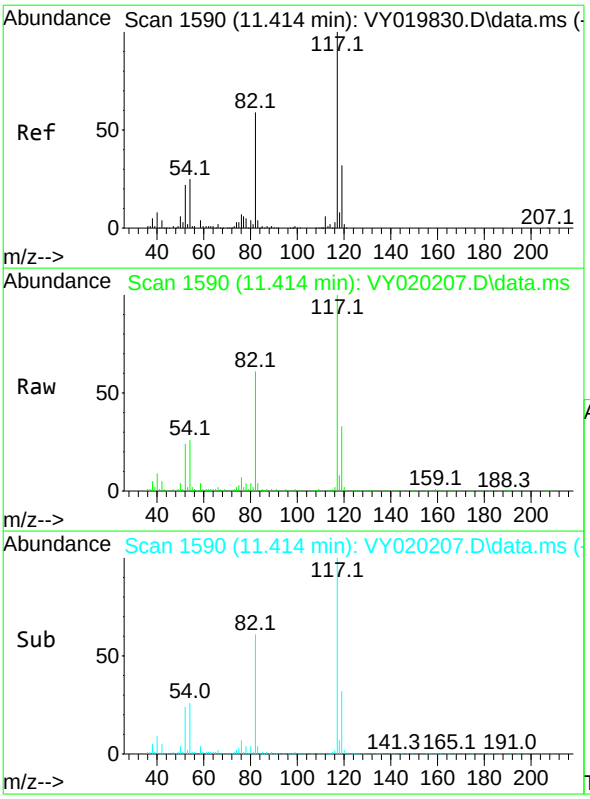


#62
4-Bromofluorobenzene
Concen: 50.720 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020207.D
Acq: 07 Nov 2024 15:20

Tgt Ion: 95 Resp: 178591

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	175.6
176	71.2	0.0	171.4



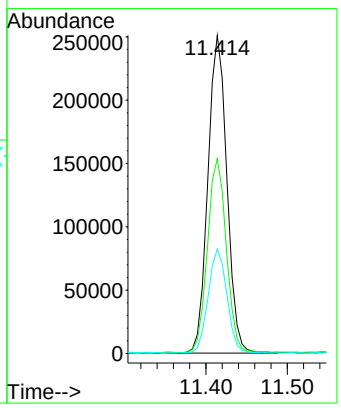


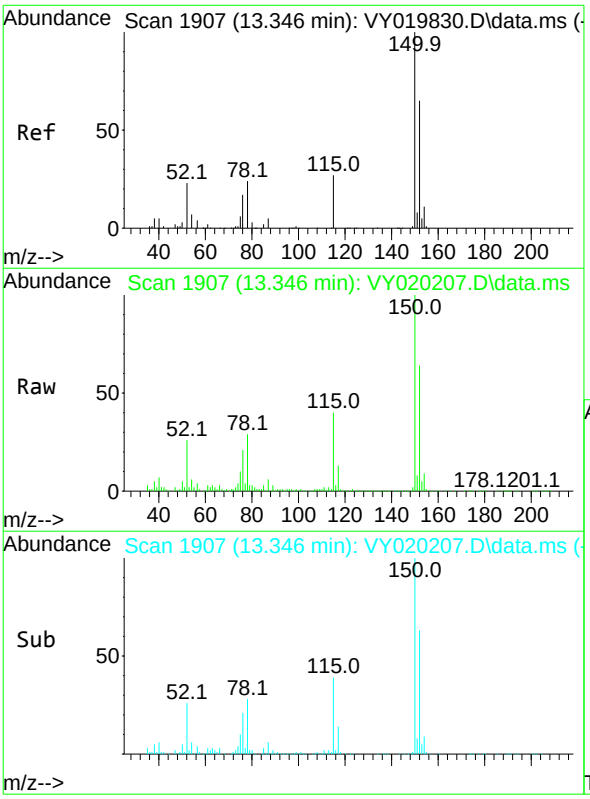
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020207.D
Acq: 07 Nov 2024 15:20

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(2)

Tgt Ion:117 Resp: 407022

Ion	Ratio	Lower	Upper
117	100		
82	61.0	42.4	63.6
119	32.7	25.9	38.9

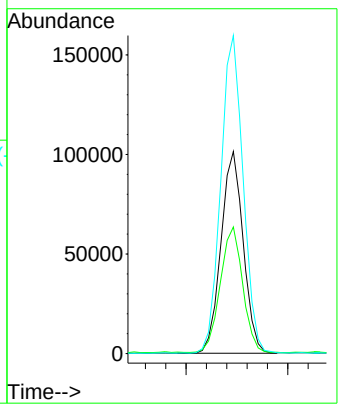




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020207.D
Acq: 07 Nov 2024 15:20

Tgt Ion:152 Resp: 153864

Ion	Ratio	Lower	Upper
152	100		
115	62.8	28.2	84.7
150	158.0	0.0	345.6



Sample Results: **VY020207.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020207.D
Acq On : 07 Nov 2024 15:20
Operator : SY/MD
Sample : P4722-06
Misc : 11.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(2)

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

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

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

Signal : TIC: VY020207.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	466	475	488	rBV	15594	48711	3.27%	0.591%
2	7.634	959	970	976	rBV	207313	495813	33.29%	6.015%
3	7.713	976	983	995	rVB	287804	674144	45.27%	8.179%
4	8.061	1032	1040	1053	rBV2	192489	440930	29.61%	5.350%
5	8.616	1121	1131	1144	rBV	531876	1084528	72.82%	13.158%
6	10.103	1369	1375	1383	rBV	866413	1489320	100.00%	18.069%
7	11.414	1583	1590	1596	rBV	836943	1349786	90.63%	16.376%
8	12.261	1726	1729	1732	rVB4	21050	24412	1.64%	0.296%
9	12.402	1747	1752	1760	rVB	597892	976869	65.59%	11.852%
10	12.725	1800	1805	1810	rBV	105278	175942	11.81%	2.135%
11	13.157	1872	1876	1877	rBV3	34702	43738	2.94%	0.531%
12	13.346	1901	1907	1913	rBV	679170	1068343	71.73%	12.961%
13	13.505	1930	1933	1937	rBV2	25818	38250	2.57%	0.464%
14	13.883	1990	1995	2005	rVB	96298	176233	11.83%	2.138%
15	14.170	2039	2042	2048	rVB7	21344	31760	2.13%	0.385%
16	14.340	2065	2070	2074	rBV4	27079	43082	2.89%	0.523%
17	14.651	2117	2121	2130	rVB4	17834	34280	2.30%	0.416%
18	15.511	2256	2262	2267	rVB9	15101	31245	2.10%	0.379%
19	16.358	2398	2401	2408	rVB8	6997	15054	1.01%	0.183%

Sum of corrected areas: 8242440

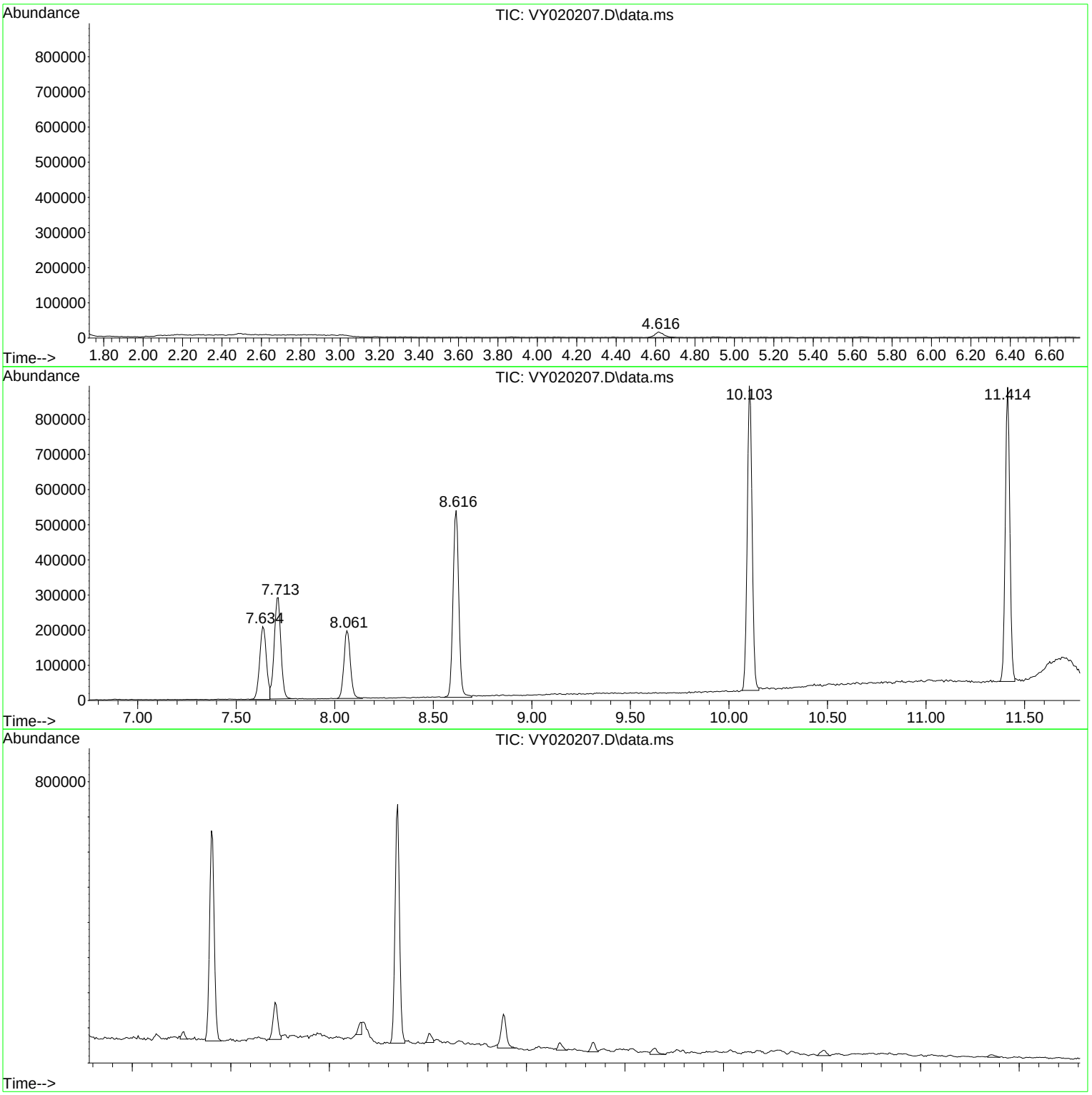
Sample Results: **VY020207.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020207.D
Acq On : 07 Nov 2024 15:20
Operator : SY/MD
Sample : P4722-06
Misc : 11.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(2)

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020207.D
Acq On : 07 Nov 2024 15:20
Operator : SY/MD
Sample : P4722-06
Misc : 11.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(2)

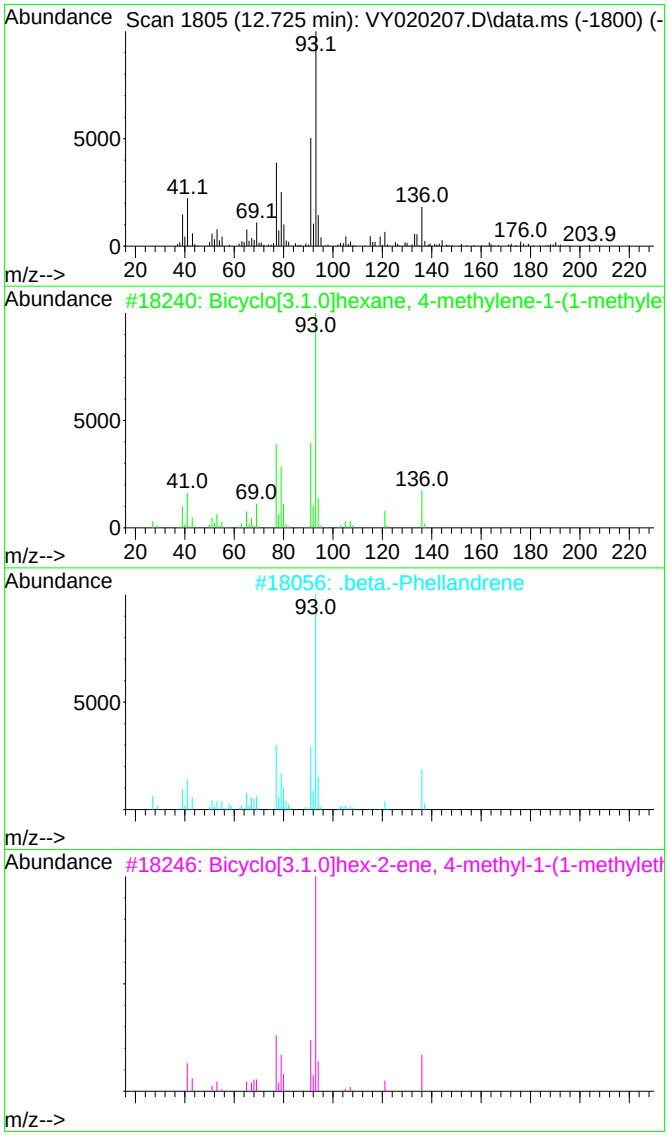
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

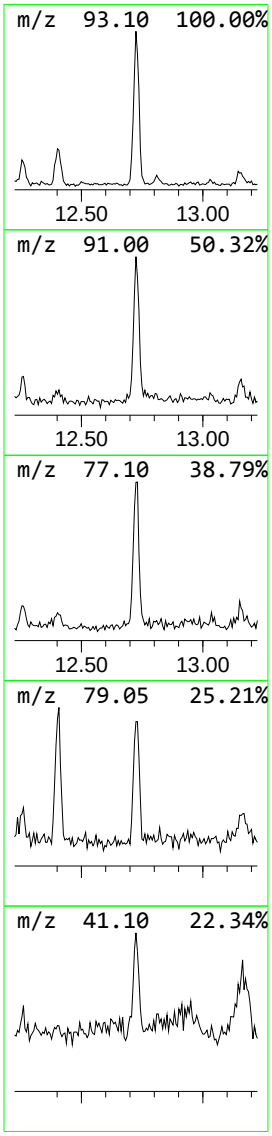
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Bicyclo[3.1.0]hexane, 4-met... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.725	8.23 ug/l	175942	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	93
2	.beta.-Phellandrene	136	C10H16	000555-10-2	90
3	Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	90
4	Bicyclo[3.1.0]hex-2-ene, 2-methy...	136	C10H16	002867-05-2	74
5	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020207.D
Acq On : 07 Nov 2024 15:20
Operator : SY/MD
Sample : P4722-06
Misc : 11.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(2)

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Bicyclo[3.1.0]h...	12.725	8.2	ug/l	175942	4	13.347	1068340	50.0

Raw Data: **VY020206.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(5)	SDG No.:	P4722
Lab Sample ID:	P4722-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	71.8
Sample Wt/Vol:	8.34 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
VY020206.D	1		11/07/24 14:57	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.20	ug/Kg
74-87-3	Chloromethane	0.97	U	0.97	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.20	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.20	ug/Kg
75-00-3	Chloroethane	0.84	U	0.84	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.65	U	0.65	4.20	ug/Kg
67-64-1	Acetone	120		5.20	20.9	ug/Kg
75-15-0	Carbon Disulfide	1.70	J	1.10	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	4.20	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.20	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.53	U	0.53	4.20	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	4.20	ug/Kg
78-93-3	2-Butanone	34.1		4.70	20.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	4.20	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.20	ug/Kg
67-66-3	Chloroform	0.56	U	0.56	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.65	U	0.65	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.20	ug/Kg
71-43-2	Benzene	0.60	U	0.60	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.51	U	0.51	4.20	ug/Kg
79-01-6	Trichloroethene	0.63	U	0.63	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.55	U	0.55	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.47	U	0.47	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	20.9	ug/Kg
108-88-3	Toluene	0.56	U	0.56	4.20	ug/Kg

Raw Data: **VY020206.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(5)	SDG No.:	P4722
Lab Sample ID:	P4722-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	71.8
Sample Wt/Vol:	8.34 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
VY020206.D	1		11/07/24 14:57	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.48	U	0.48	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	4.20	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	20.9	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	0.54	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	0.74	4.20	ug/Kg
108-90-7	Chlorobenzene	0.62	U	0.62	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.52	U	0.52	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.30	ug/Kg
95-47-6	o-Xylene	0.58	U	0.58	4.20	ug/Kg
100-42-5	Styrene	0.50	U	0.50	4.20	ug/Kg
75-25-2	Bromoform	0.68	U	0.68	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.56	U	0.56	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.92	U	0.92	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.62	U	0.62	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.67	U	0.67	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.49	U	0.49	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.66	U	0.66	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.65	U	0.65	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	69.3		50 - 163	139%	SPK: 50
1868-53-7	Dibromofluoromethane	55.6		54 - 147	111%	SPK: 50
2037-26-5	Toluene-d8	51.0		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	60.7		29 - 146	121%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	143000	7.707			
540-36-3	1,4-Difluorobenzene	298000	8.616			
3114-55-4	Chlorobenzene-d5	290000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY020206.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(5)	SDG No.:	P4722
Lab Sample ID:	P4722-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	71.8
Sample Wt/Vol:	8.34 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
VY020206.D	1		11/07/24 14:57	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000091-17-8	Naphthalene, decahydro-	120	J		13.7	ug/Kg
	unknown14.066	55.1	J		14.1	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	170	J		14.2	ug/Kg
002958-75-0	1-Methyldecahydronaphthalene	190	J		14.3	ug/Kg
	unknown14.651	110	J		14.7	ug/Kg
066660-43-3	trans, cis-3-Ethylbicyclo[4.4.0]de	58.2	J		14.8	ug/Kg
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	64.0	J		15.0	ug/Kg
	unknown15.255	160	J		15.3	ug/Kg
061142-70-9	Cyclohexane, 2,4-diethyl-1-methyl-	70.6	J		15.3	ug/Kg
	unknown15.511	91.3	J		15.5	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

Sample Results: **VY020206.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Quant Time: Nov 08 00:27:30 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	142540	50.000 ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	298274	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	289563	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125008	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	123268	69.291 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.580%		
35) Dibromofluoromethane	7.640	113	105518	55.641 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.280%		
50) Toluene-d8	10.103	98	384700	50.963 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.920%		
62) 4-Bromofluorobenzene	12.402	95	148823	60.697 ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 121.400%		
Target Compounds					Qvalue
16) Acetone	3.879	43	57844	139.817 ug/l	89
17) Carbon Disulfide	4.104	76	10324	2.017 ug/l #	91
25) 2-Butanone	6.902	43	22880	40.798 ug/l #	75

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

Sample Results: **VY020206.D**

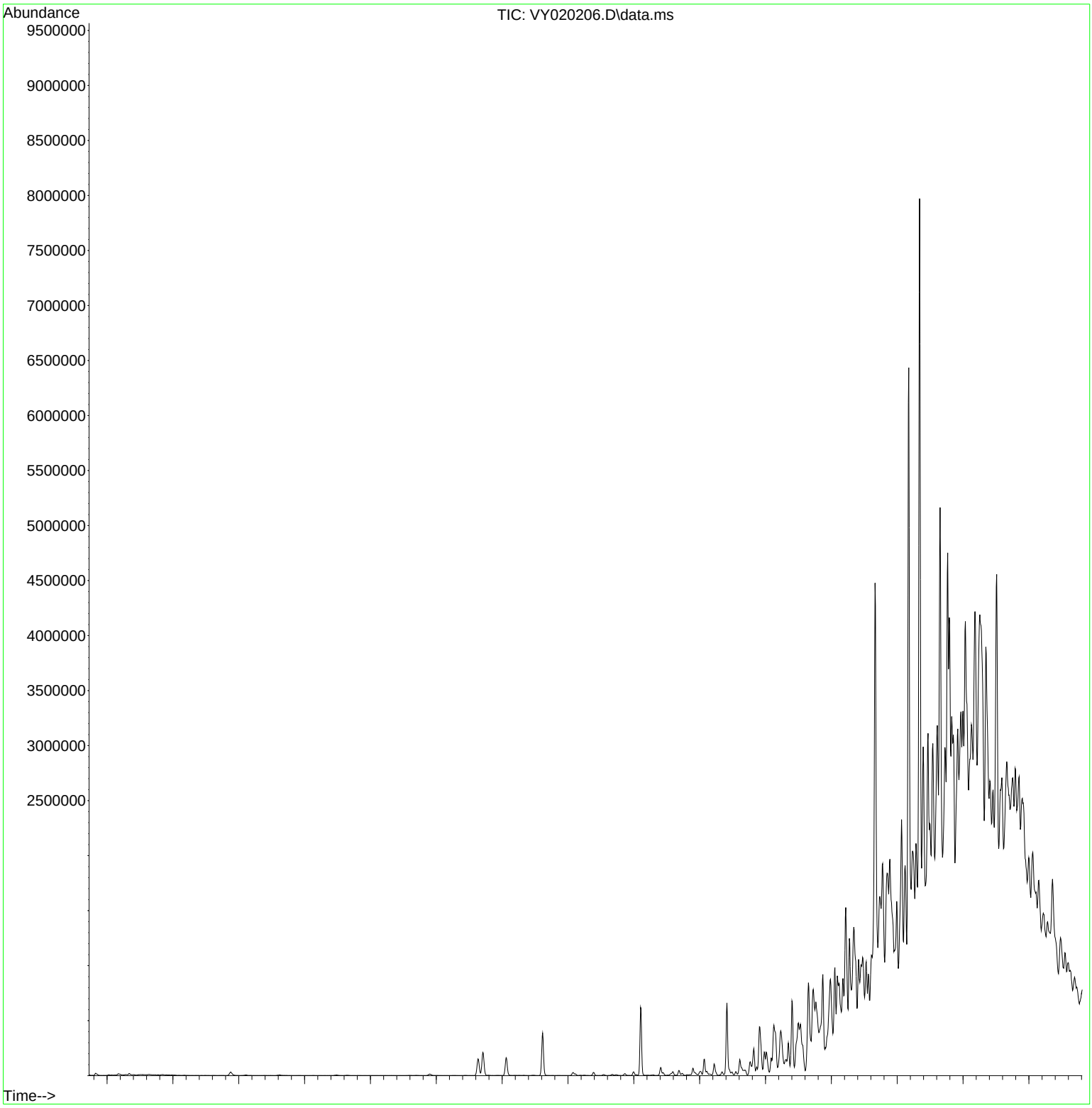
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

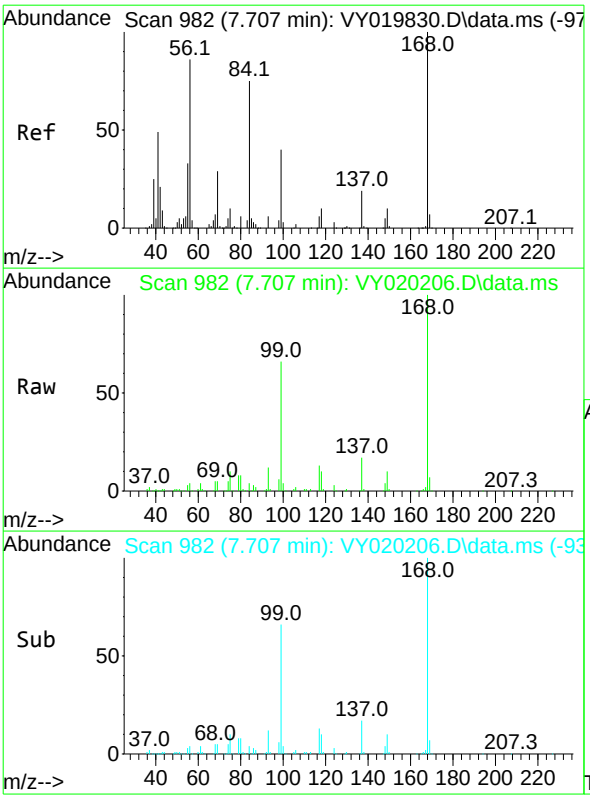
Quant Time: Nov 08 00:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

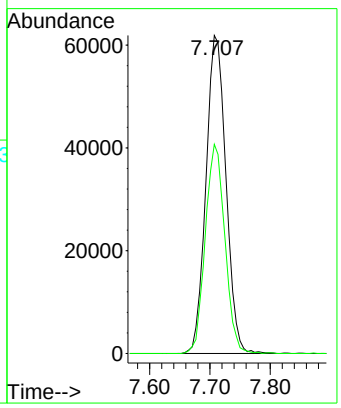




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion:168 Resp: 142540

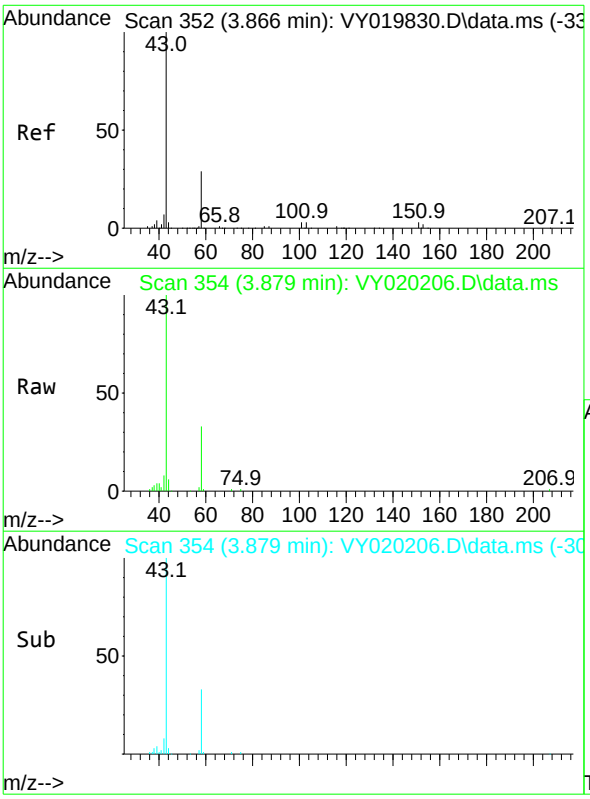
Ion	Ratio	Lower	Upper
168	100		
99	65.8	39.1	58.7#



Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

Manual Integrations
APPROVED

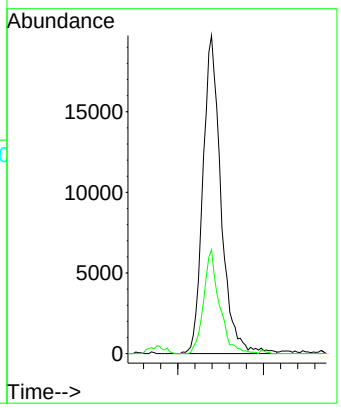
Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

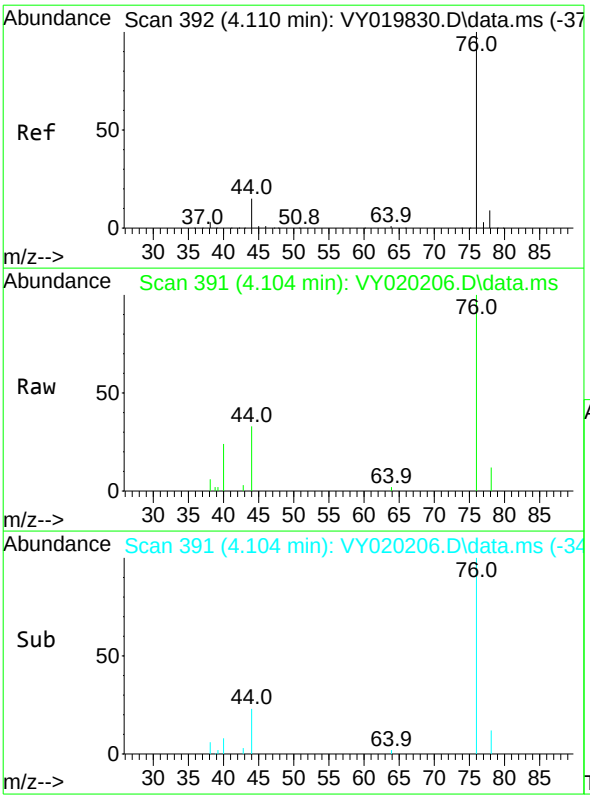


#16
Acetone
Concen: 139.817 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion: 43 Resp: 57844

Ion	Ratio	Lower	Upper
43	100		
58	32.6	31.7	47.5





#17
Carbon Disulfide
Concen: 2.017 ug/l
RT: 4.104 min Scan# 39
Delta R.T. 0.000 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

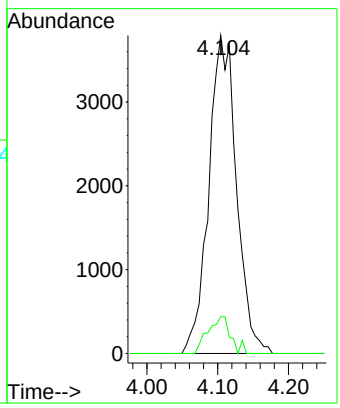
Tgt Ion: 76 Resp: 10324

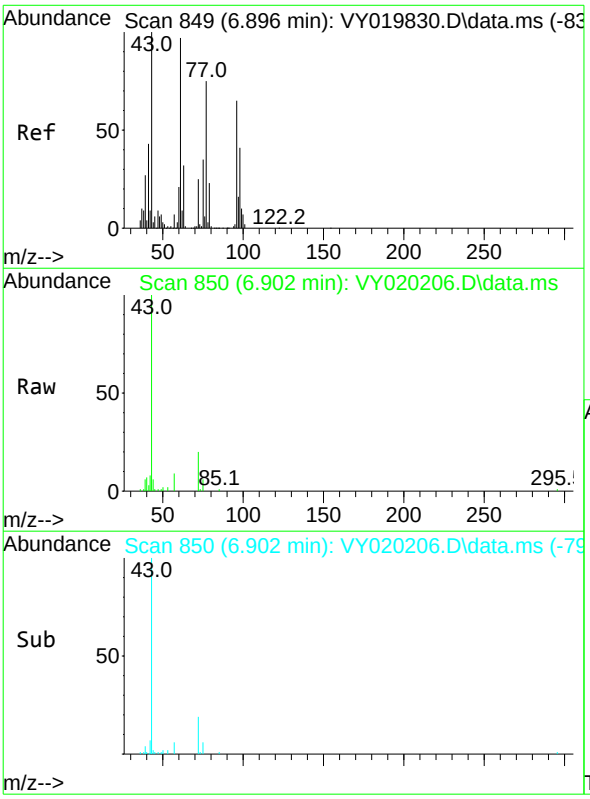
Ion	Ratio	Lower	Upper
76	100		
78	11.5	6.8	10.2#

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

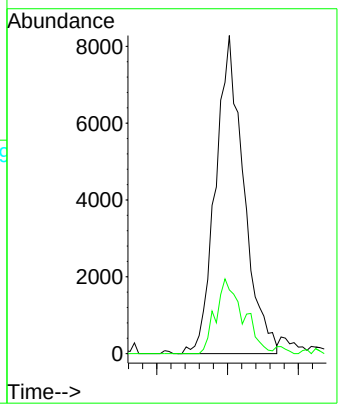


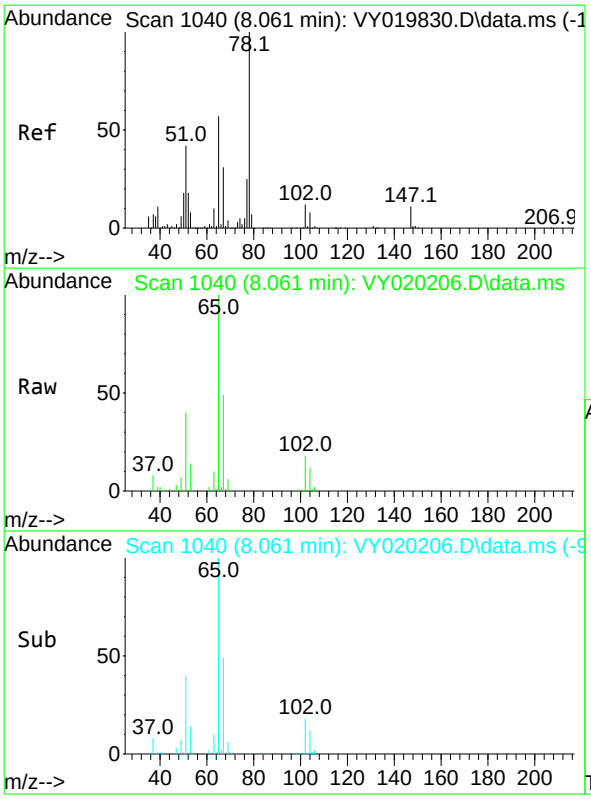


#25
2-Butanone
Concen: 40.798 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.013 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion: 43 Resp: 22880

Ion	Ratio	Lower	Upper
43	100		
72	20.0	27.3	40.9#

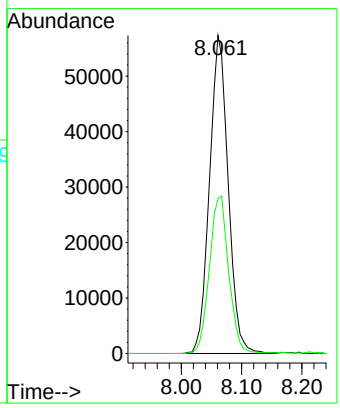




#33
1,2-Dichloroethane-d4
Concen: 69.291 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion: 65 Resp: 123268

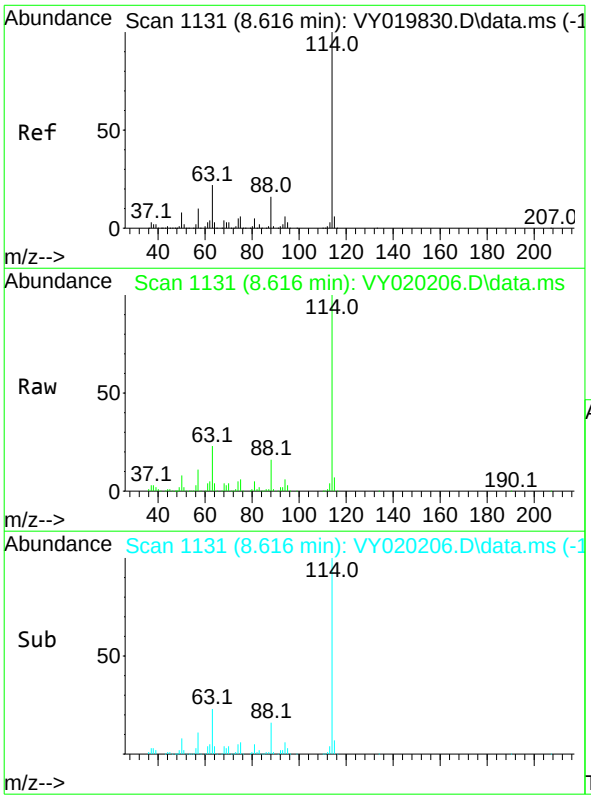
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	109.6



Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

Manual Integrations
APPROVED

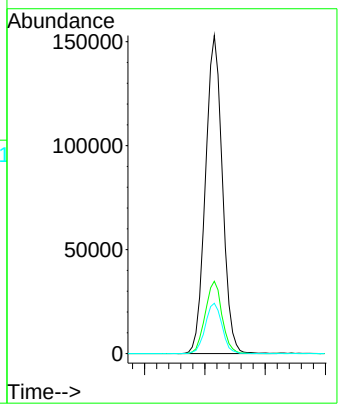
Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

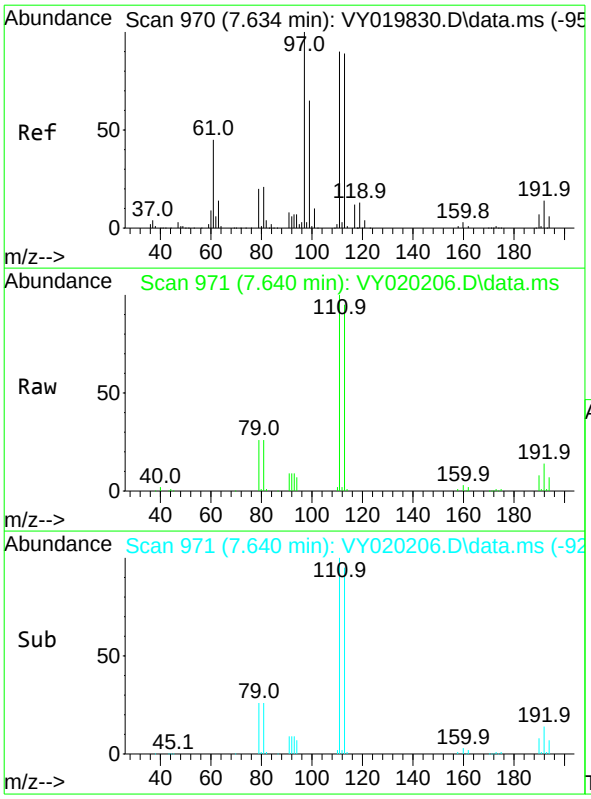


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion:114 Resp: 298274

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	35.0
88	15.8	0.0	27.2





#35
Dibromofluoromethane
Concen: 55.641 ug/l
RT: 7.640 min Scan# 97
Delta R.T. 0.006 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

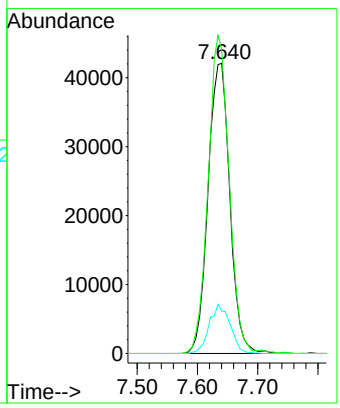
Tgt Ion:113 Resp: 105518

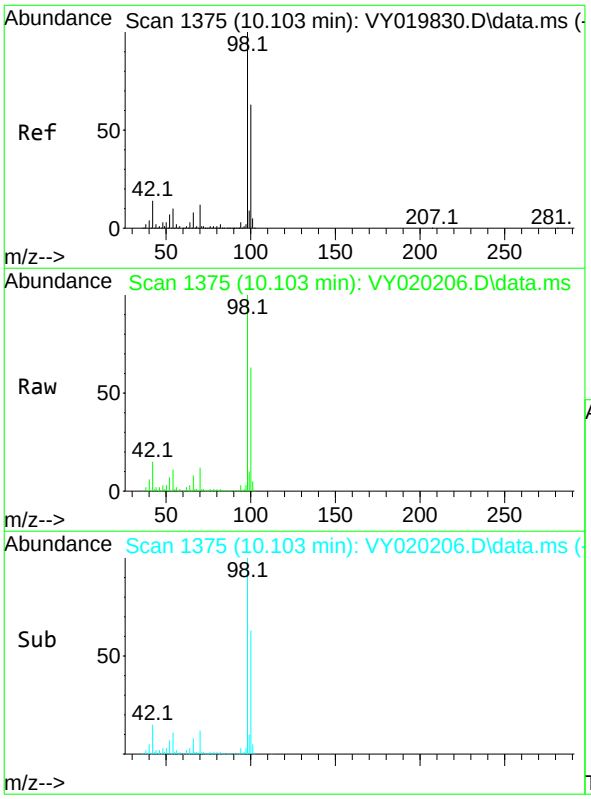
Ion	Ratio	Lower	Upper
113	100		
111	106.2	82.2	123.4
192	16.3	15.9	23.9

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

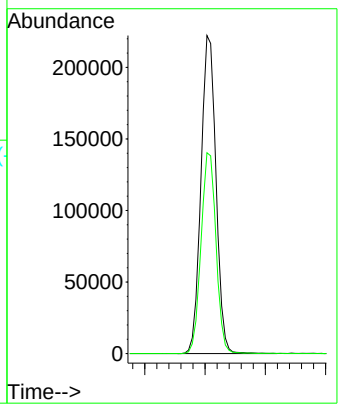


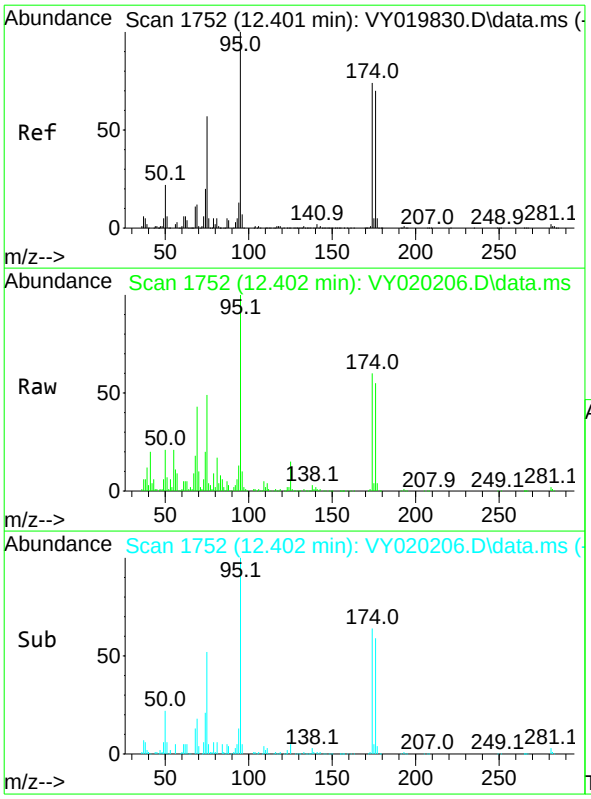


#50
Toluene-d8
Concen: 50.963 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion: 98 Resp: 384700

Ion	Ratio	Lower	Upper
98	100		
100	63.0	52.0	78.0

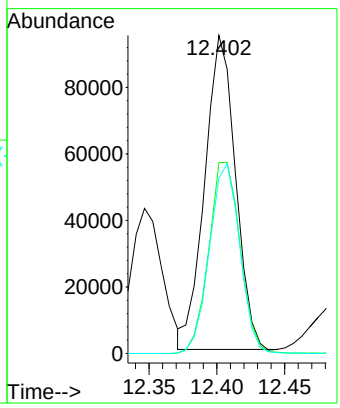




#62
4-Bromofluorobenzene
Concen: 60.697 ug/l
RT: 12.402 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion: 95 Resp: 148823

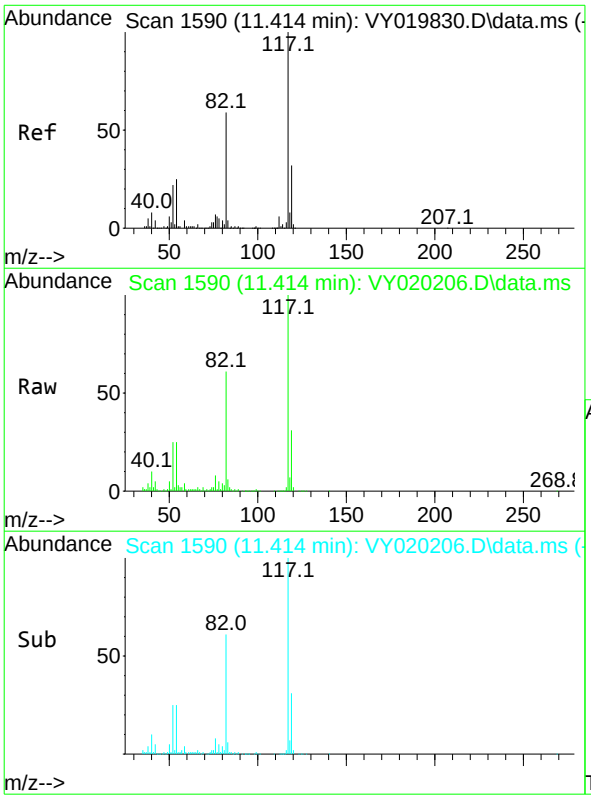
Ion	Ratio	Lower	Upper
95	100		
174	62.4	0.0	175.6
176	59.6	0.0	171.4



Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

Manual Integrations
APPROVED

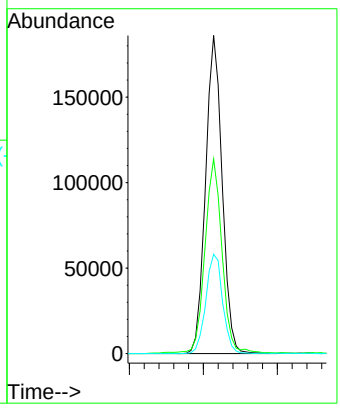
Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

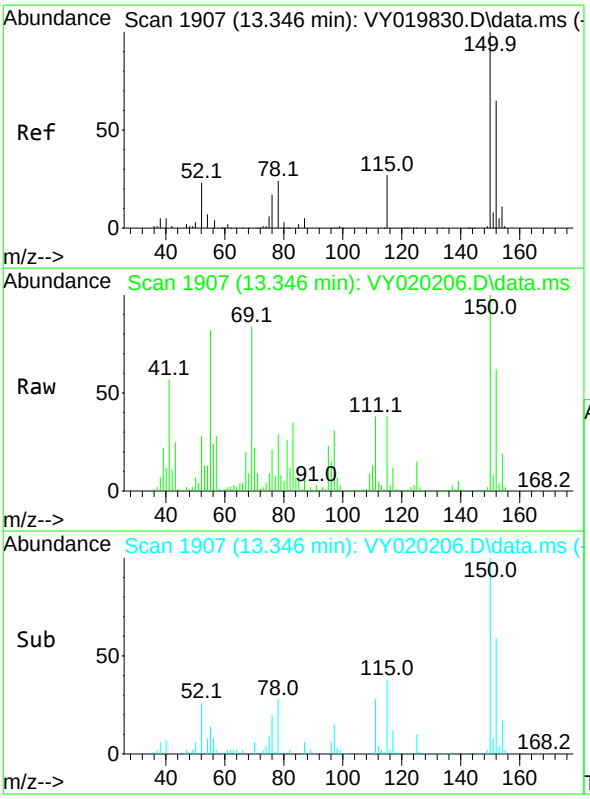


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion:117 Resp: 289563

Ion	Ratio	Lower	Upper
117	100		
82	61.0	42.4	63.6
119	31.2	25.9	38.9

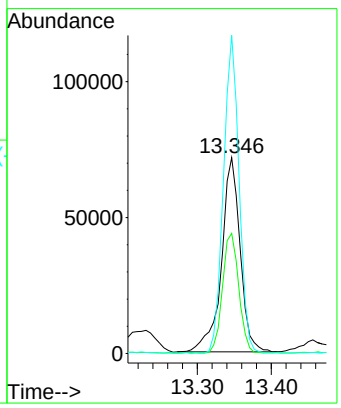




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion:152 Resp: 125008

Ion	Ratio	Lower	Upper
152	100		
115	53.5	28.2	84.7
150	137.6	0.0	345.6



Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Sample Results: **VY020206.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

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

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

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

Signal : TIC: VY020206.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.879	342	354	368	rBV	32278	94069	1.01%	0.090%
2	7.634	960	970	976	rBV	151360	367680	3.94%	0.351%
3	7.707	976	982	993	rVB	208928	478770	5.13%	0.457%
4	8.061	1030	1040	1052	rBV	161850	357775	3.84%	0.342%
5	8.616	1121	1131	1144	rBV	385211	759701	8.15%	0.725%
6	10.103	1368	1375	1386	rBV	616944	1066787	11.44%	1.019%
7	10.408	1415	1425	1429	rBV2	73424	140172	1.50%	0.134%
8	10.896	1501	1505	1518	rBV3	59036	124283	1.33%	0.119%
9	11.072	1528	1534	1538	rBV	137883	238504	2.56%	0.228%
10	11.219	1553	1558	1568	rVB	105036	212888	2.28%	0.203%
11	11.414	1582	1590	1600	rBV	650681	1132340	12.14%	1.081%
12	11.609	1616	1622	1630	rBV3	132503	312912	3.36%	0.299%
13	11.767	1641	1648	1652	rBV3	119609	271944	2.92%	0.260%
14	11.822	1652	1657	1661	rVB	204828	373488	4.00%	0.357%
15	11.908	1666	1671	1679	rVV4	405535	954943	10.24%	0.912%
16	11.981	1679	1683	1686	rVV2	163285	268401	2.88%	0.256%
17	12.011	1686	1688	1696	rVB3	181621	320354	3.43%	0.306%
18	12.084	1696	1700	1702	rBV	128343	188248	2.02%	0.180%
19	12.127	1702	1707	1716	rVB5	385070	1142614	12.25%	1.091%
20	12.231	1716	1724	1733	rBV5	333777	945363	10.14%	0.903%
21	12.347	1739	1743	1747	rVB2	208950	305048	3.27%	0.291%
22	12.402	1747	1752	1758	rVB3	603234	1021696	10.95%	0.976%
23	12.499	1758	1768	1770	rBV6	402426	1104032	11.84%	1.054%
24	12.651	1785	1793	1800	rBV5	798829	2075564	22.25%	1.982%
25	12.725	1800	1805	1809	rBV5	470388	1091306	11.70%	1.042%
26	12.871	1825	1829	1834	rVB4	682578	1105269	11.85%	1.055%
27	12.987	1836	1848	1854	rBV6	628040	1958597	21.00%	1.870%
28	13.054	1854	1859	1862	rBV2	599437	930725	9.98%	0.889%
29	13.090	1862	1865	1868	rBV	348981	553730	5.94%	0.529%
30	13.176	1875	1879	1881	rBV4	304905	404616	4.34%	0.386%
31	13.218	1882	1886	1892	rVB4	926234	1626804	17.44%	1.553%
32	13.273	1892	1895	1900	rBV3	644749	1070778	11.48%	1.022%
33	13.340	1901	1906	1914	rVB5	739252	2064945	22.14%	1.972%
34	13.414	1914	1918	1921	rBV2	447172	700694	7.51%	0.669%
35	13.529	1933	1937	1940	rBV3	323707	437917	4.70%	0.418%
36	13.560	1940	1942	1945	rVB3	240633	265465	2.85%	0.253%

Sample Results: **VY020206.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

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

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

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

37	13.609	1946	1950	1952	rBV3	410171	686747	7.36%	0.656%
38	13.663	1953	1959	1966	rVV2	3417238	6149502	65.94%	5.872%
39	13.737	1967	1971	1974	rBV4	393579	788494	8.45%	0.753%
40	13.779	1975	1978	1983	rVB4	897602	1483294	15.90%	1.416%
41	13.846	1983	1989	1993	rBV4	811377	2181035	23.39%	2.083%
42	13.993	2010	2013	2017	rVB3	611035	828921	8.89%	0.791%
43	14.066	2018	2025	2030	rBV6	1306013	2724069	29.21%	2.601%
44	14.121	2030	2034	2038	rVB4	715722	1183960	12.69%	1.130%
45	14.176	2038	2043	2049	rBV	5242519	8523936	91.39%	8.139%
46	14.285	2058	2061	2065	rBV4	503108	707455	7.59%	0.675%
47	14.340	2065	2070	2075	rBV2	6261216	9326537	100.00%	8.905%
48	14.395	2075	2079	2084	rVB4	1264247	2035661	21.83%	1.944%
49	14.468	2087	2091	2094	rBV2	1274516	1971945	21.14%	1.883%
50	14.541	2099	2103	2108	rVB4	1047195	1661750	17.82%	1.587%
51	14.608	2109	2114	2117	rBV5	1099473	2056046	22.05%	1.963%
52	14.651	2117	2121	2127	rVB2	3181150	5237465	56.16%	5.001%
53	14.724	2130	2133	2136	rBV4	703112	1090953	11.70%	1.042%
54	14.767	2136	2140	2142	rBV	2082302	2877782	30.86%	2.748%
55	14.919	2159	2165	2168	rBV3	1137922	2420656	25.95%	2.311%
56	15.035	2181	2184	2192	rVB6	1533195	3165964	33.95%	3.023%
57	15.181	2204	2208	2213	rVB4	1398420	2628692	28.19%	2.510%
58	15.255	2214	2220	2231	rVB8	1873866	7966733	85.42%	7.607%
59	15.346	2231	2235	2243	rBV5	1579652	3491685	37.44%	3.334%
60	15.511	2257	2262	2267	rVB2	2494630	4515160	48.41%	4.311%
61	16.358	2398	2401	2416	rVB10	858715	2558263	27.43%	2.443%

Sum of corrected areas: 104731127

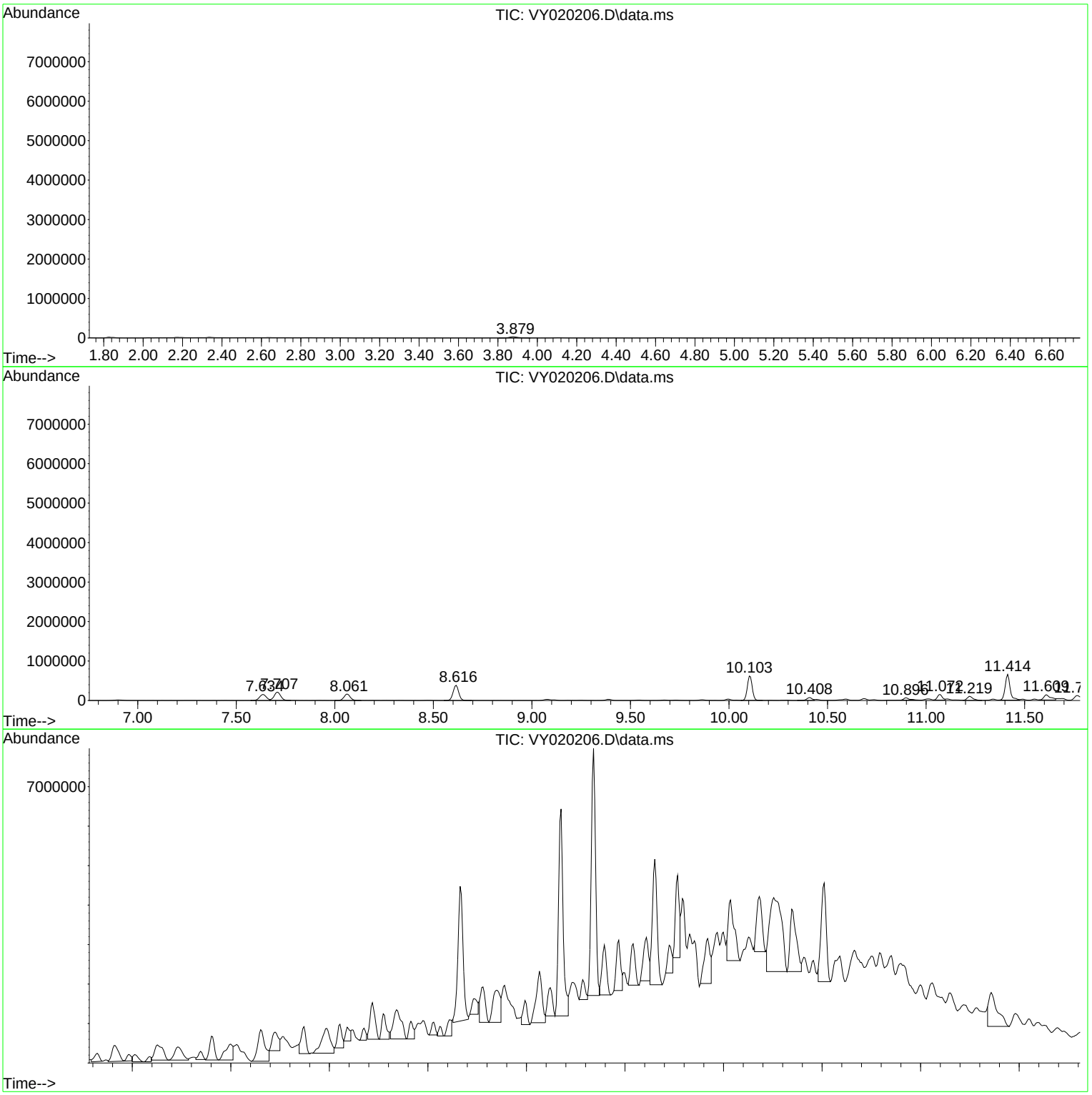
Sample Results: **VY020206.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

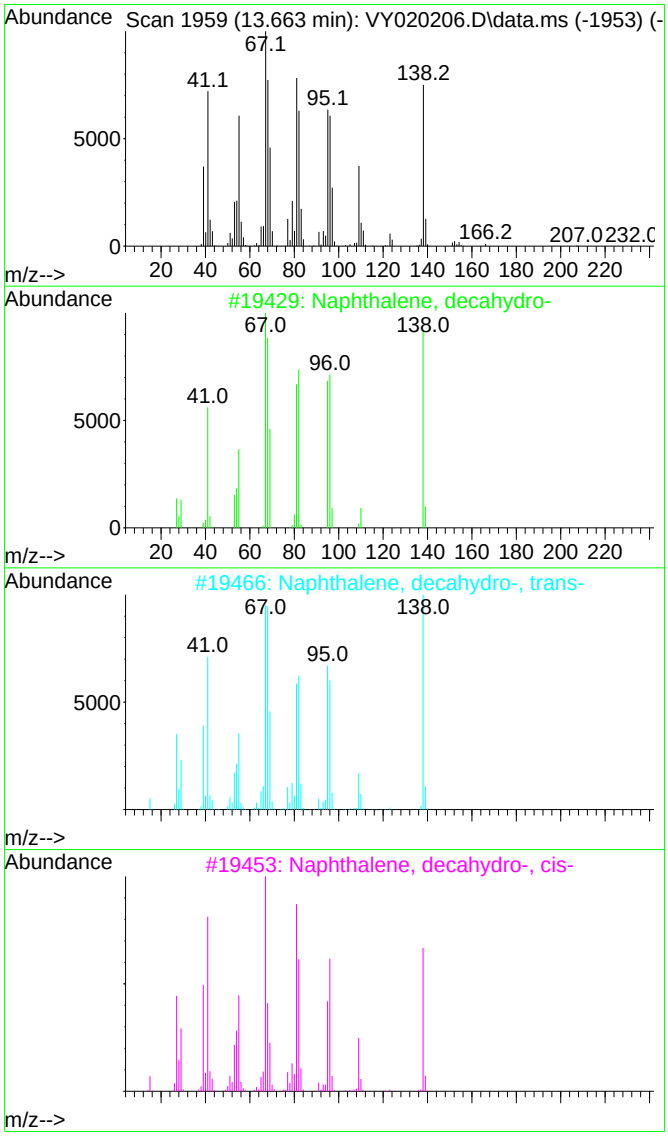
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

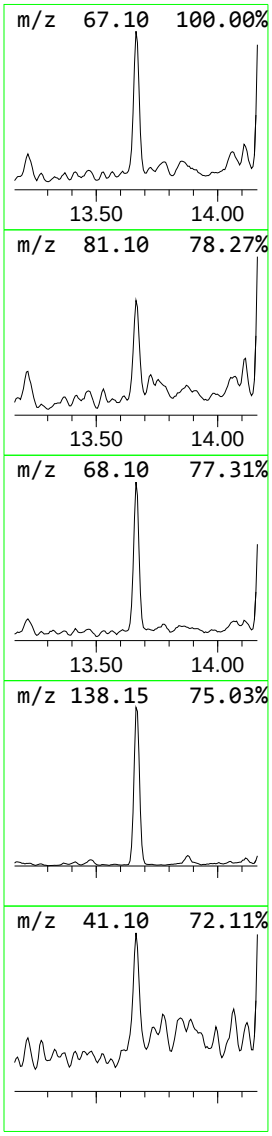
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.664	148.90 ug/l	6149500	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	96
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	81
4	Spiro[4.5]decane	138	C10H18	000176-63-6	81
5	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

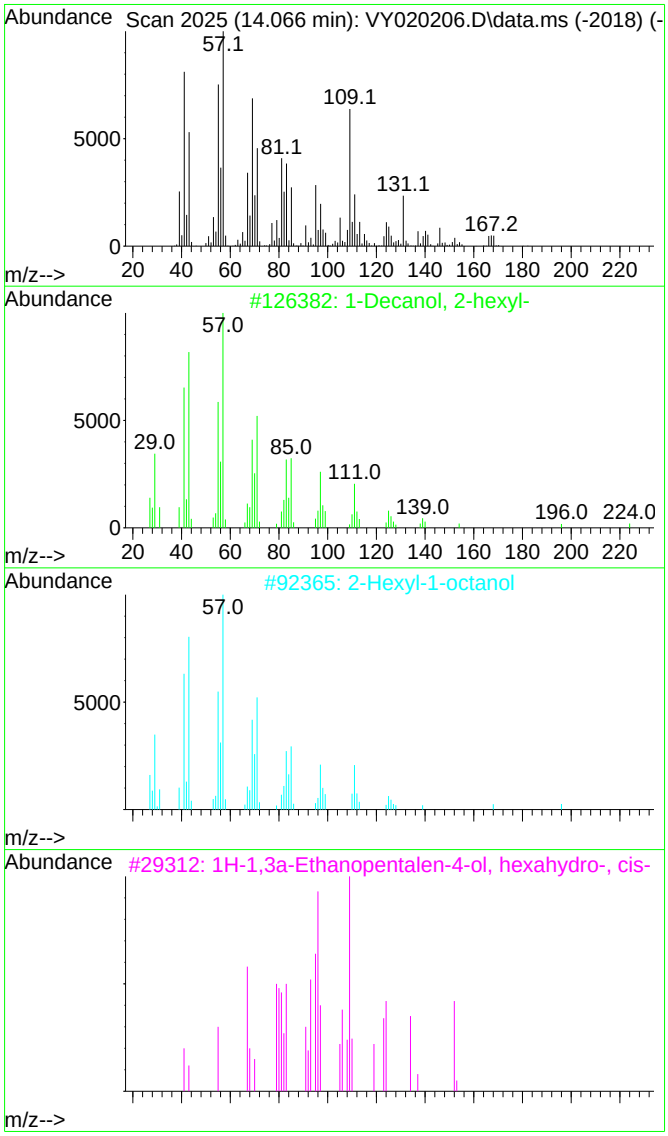
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

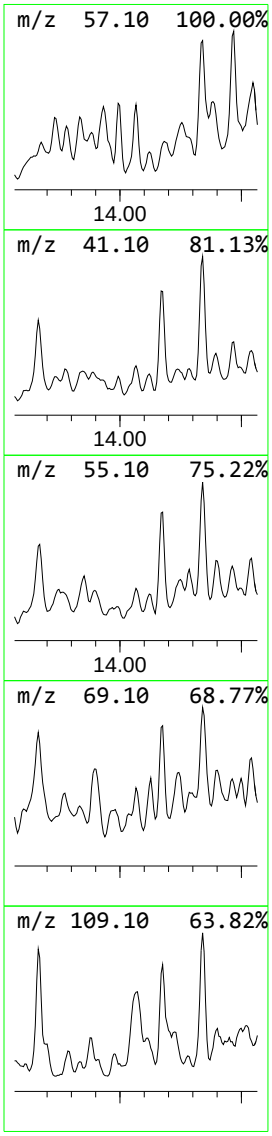
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 unknown14.066 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.066	65.96 ug/l	2724070	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	43
2	2-Hexyl-1-octanol	214	C14H30O	019780-79-1	38
3	1H-1,3a-Ethanopentalen-4-ol, hex...	152	C10H16O	117221-75-7	30
4	17-Pentatriacontene	491	C35H70	006971-40-0	30
5	Trichloroacetic acid, undec-10-e...	314	C13H21Cl3O2	1000280-51-3	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

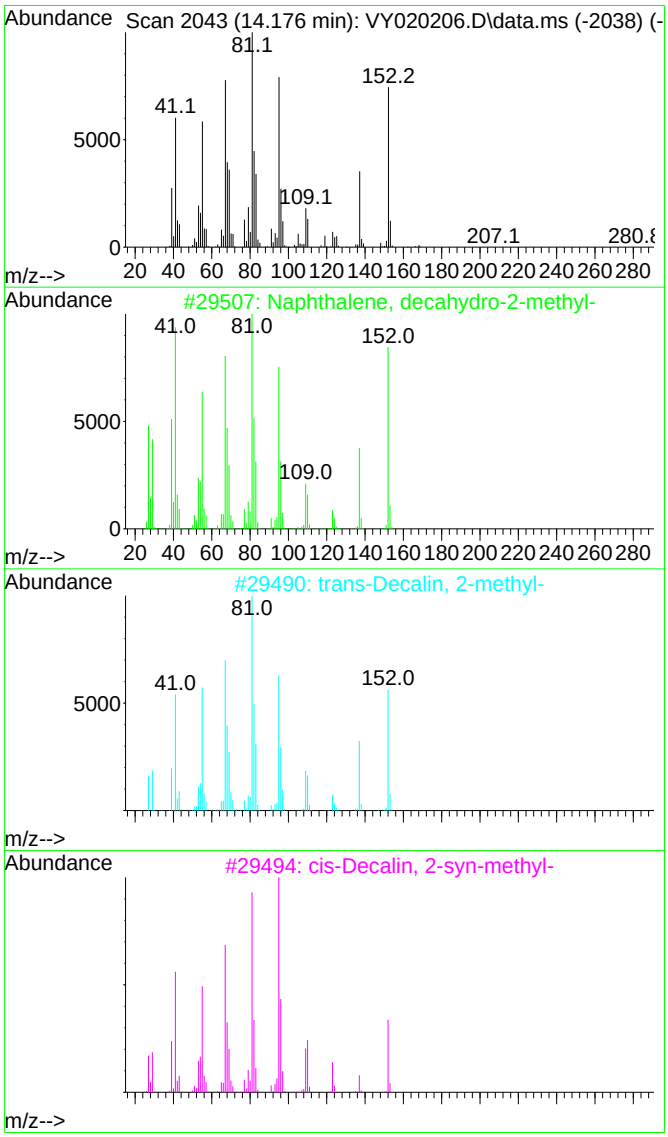
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

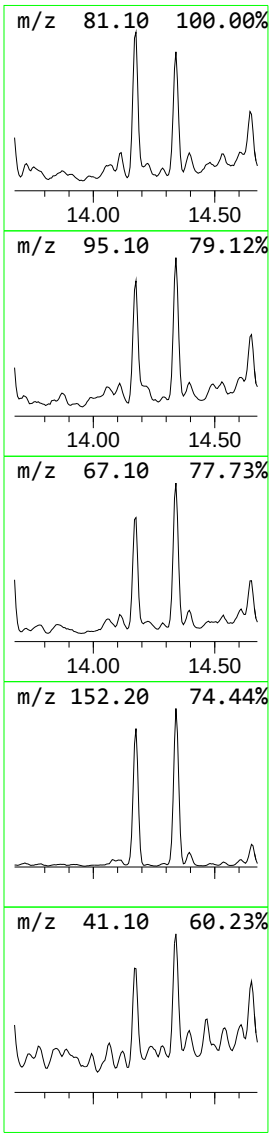
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, decahydro-2-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.176	206.40 ug/l	8523940	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	99
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	97
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	87
4	Pulegone	152	C10H16O	000089-82-7	76
5	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	68





Sample Results: **VY020206.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

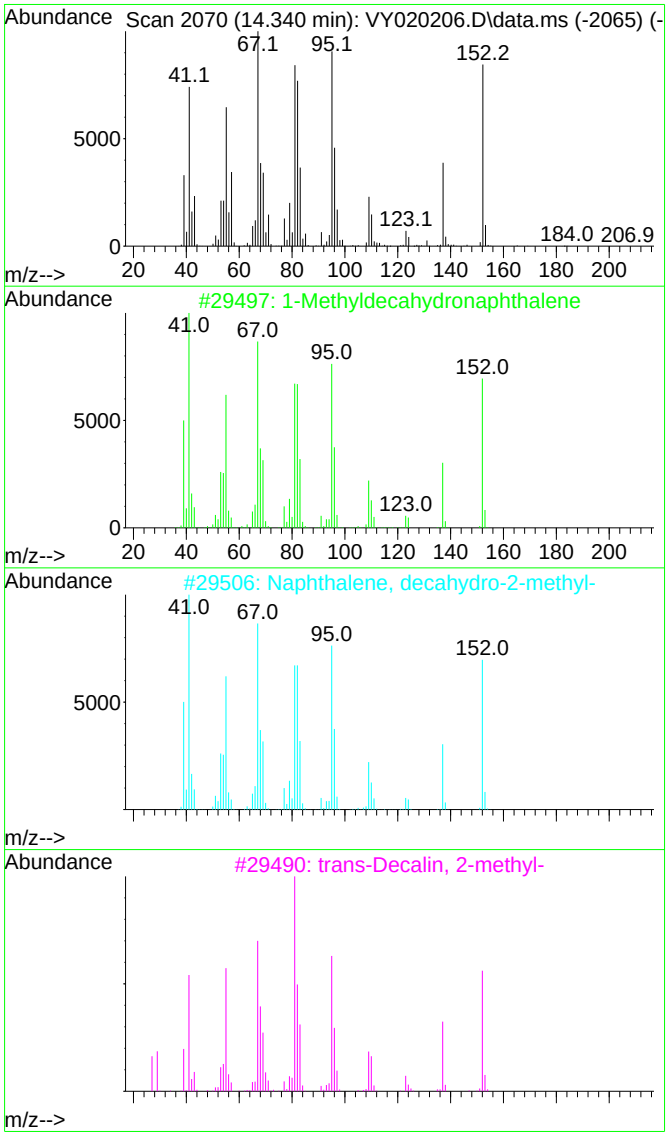
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

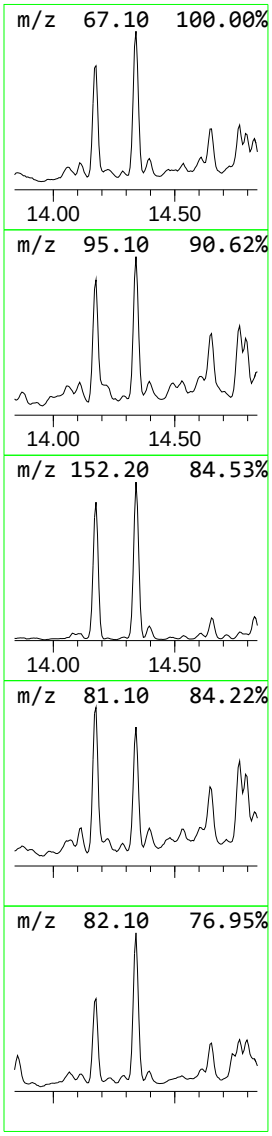
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1-Methyldecahydronaphthalene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.340	225.83 ug/l	9326540	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	98
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
4	Bicyclo[4.1.0]heptane, 7-butyl-	152	C11H20	018645-10-8	60
5	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

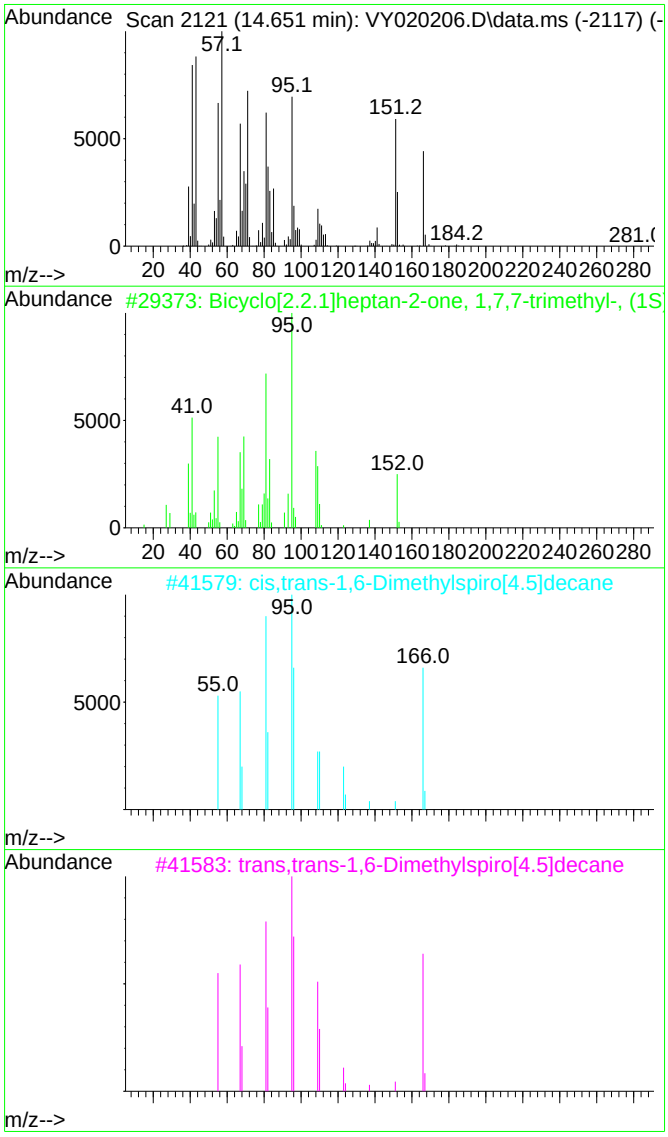
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

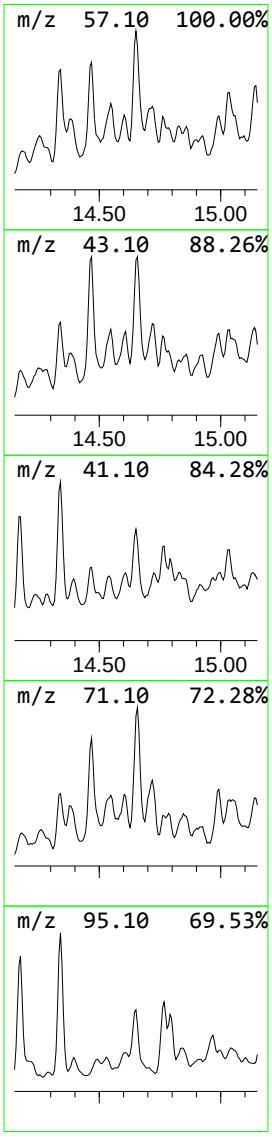
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 unknown14.651 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	126.82 ug/l	5237470	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	46
2	cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	45
3	trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	43
4	cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	41
5	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	41





Sample Results: **VY020206.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

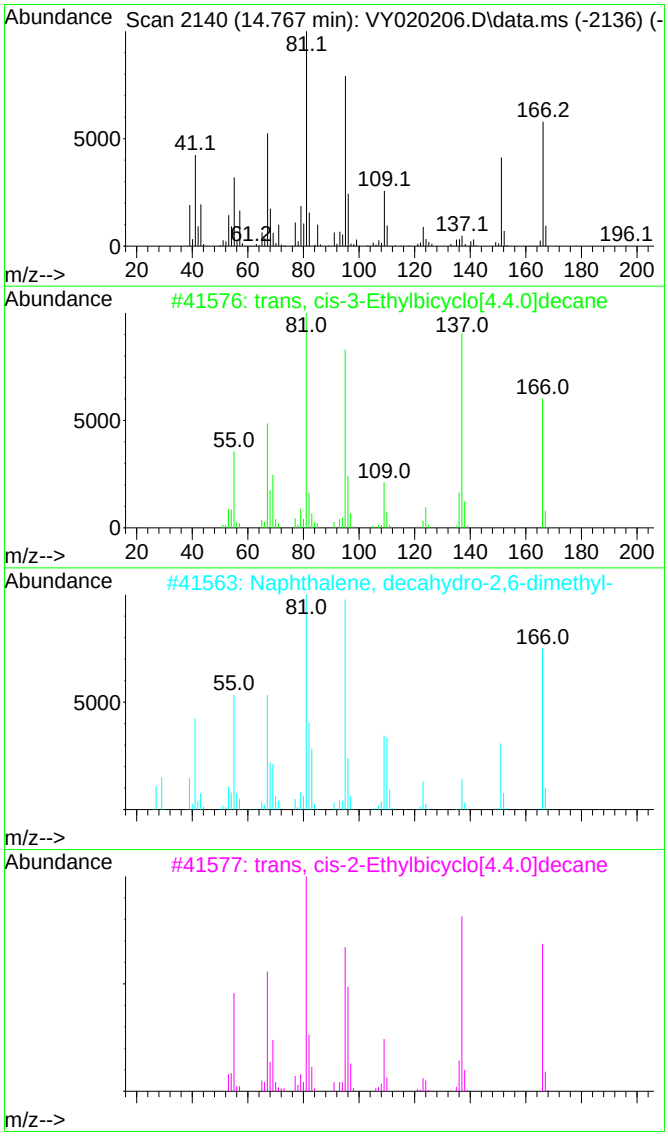
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

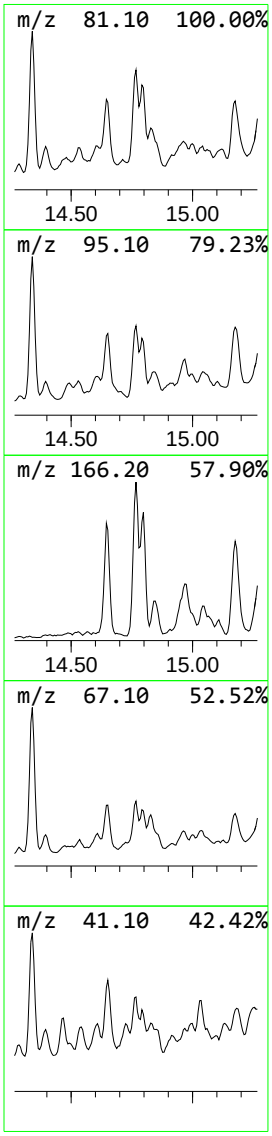
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 trans, cis-3-Ethylbicyclo[4... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.767	69.68 ug/l	2877780	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	91
2	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	87
3	trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	72
4	Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	46
5	trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

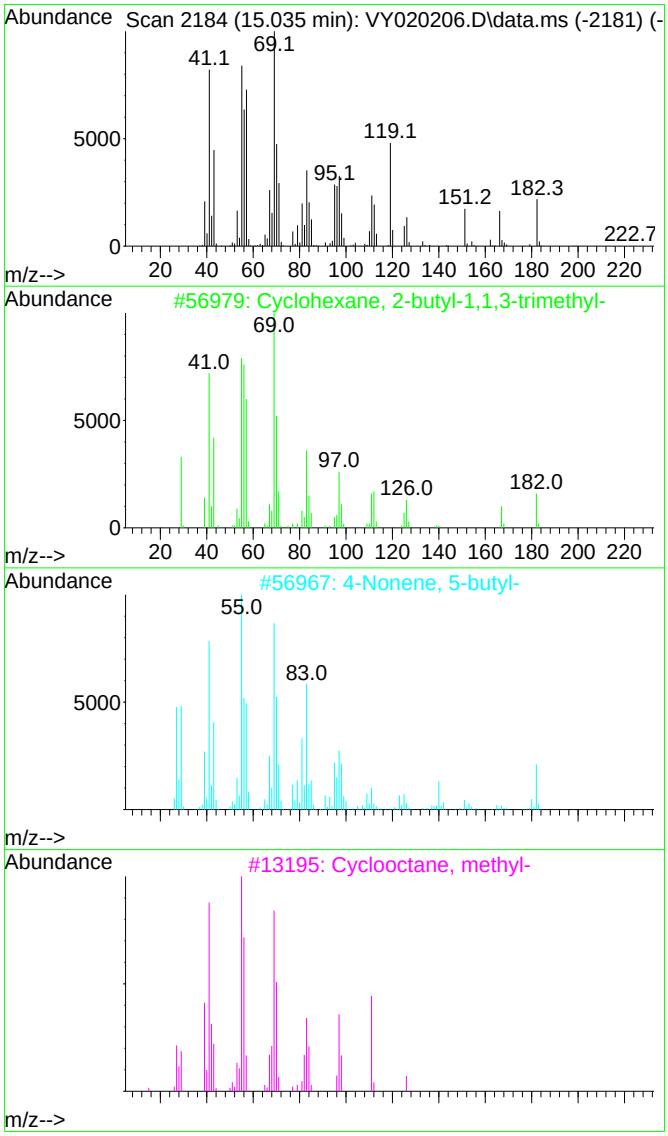
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

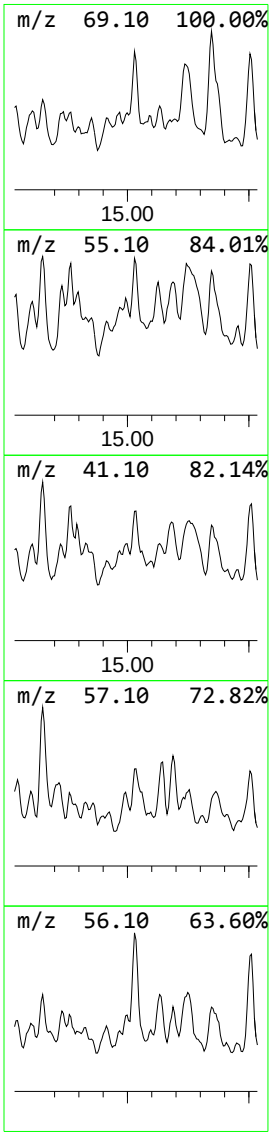
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.035	76.66 ug/l	3165960	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	89
2	4-Nonene, 5-butyl-	182	C13H26	007367-38-6	58
3	Cyclooctane, methyl-	126	C9H18	001502-38-1	49
4	Cyclopentane, 2-ethyl-1,1-dimethyl-	126	C9H18	054549-80-3	46
5	2-Tridecene, (Z)-	182	C13H26	041446-59-7	42





Sample Results: **VY020206.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

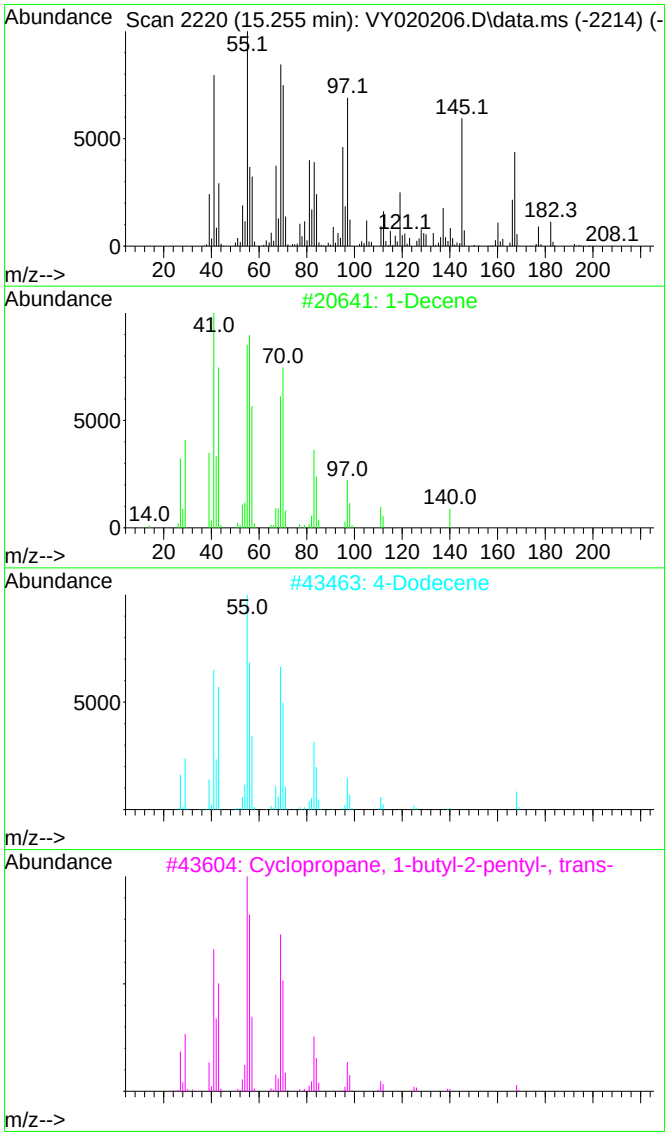
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

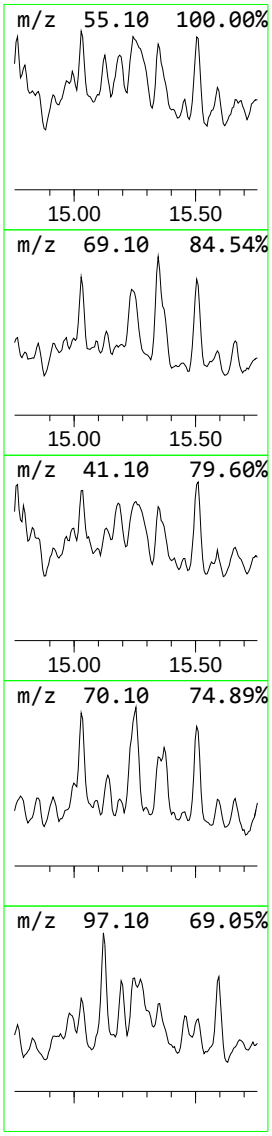
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 unknown15.255 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.255	192.90 ug/l	7966730	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decene	140	C10H20	000872-05-9	49
2	4-Dodecene	168	C12H24	002030-84-4	49
3	Cyclopropane, 1-butyl-2-pentyl-,...	168	C12H24	074663-87-9	46
4	Cyclopropane, 1-hexyl-2-propyl-,...	168	C12H24	074630-58-3	46
5	3-Tridecene, (E)-	182	C13H26	041446-57-5	46





Sample Results: **VY020206.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

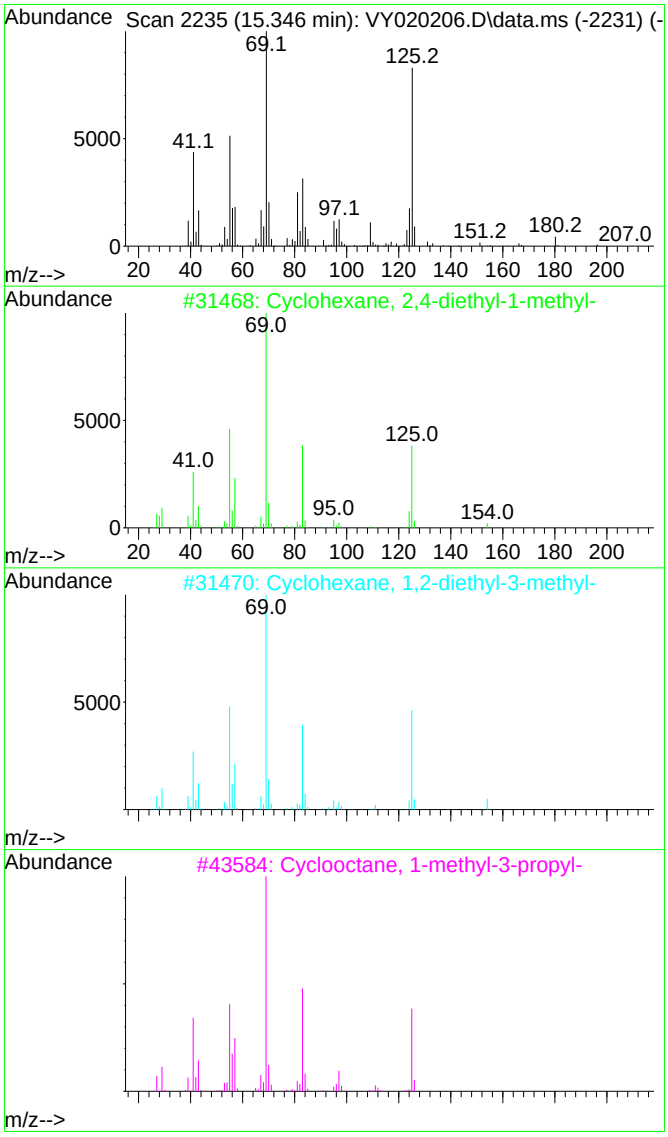
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

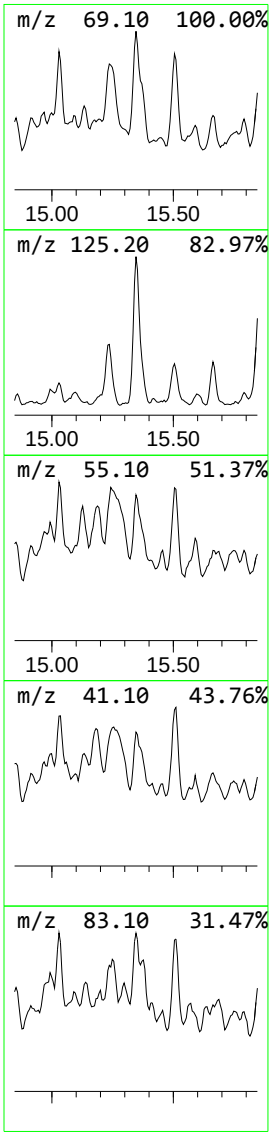
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclohexane, 2,4-diethyl-1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.346	84.55 ug/l	3491690	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	64
2	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	64
3	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	64
4	(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-03-8	64
5	Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

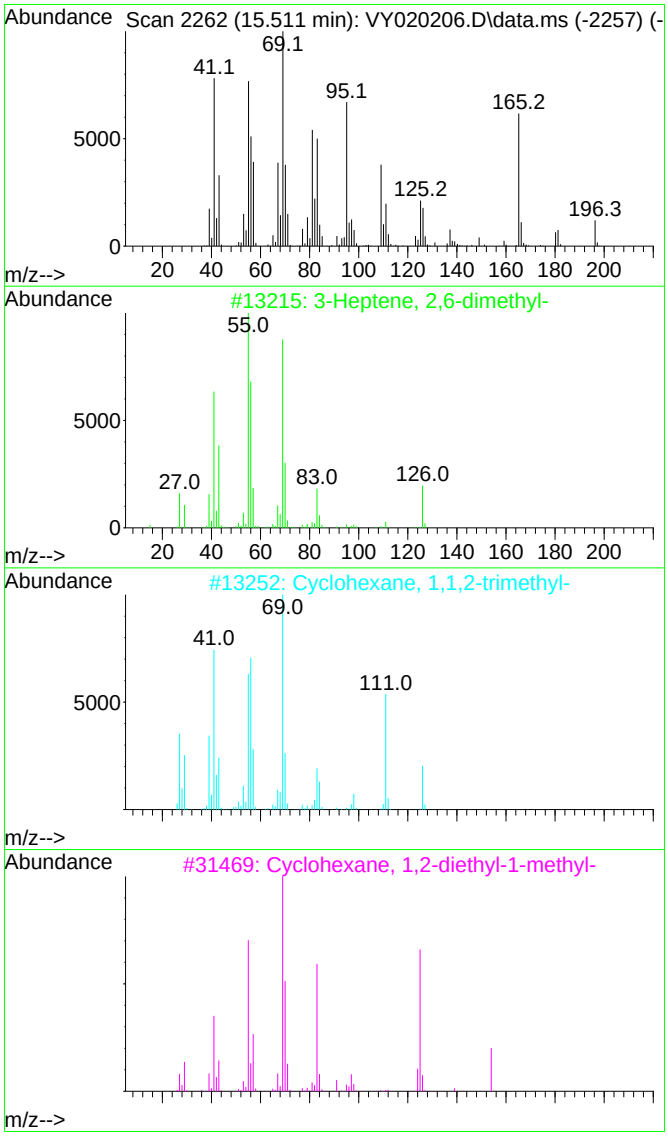
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

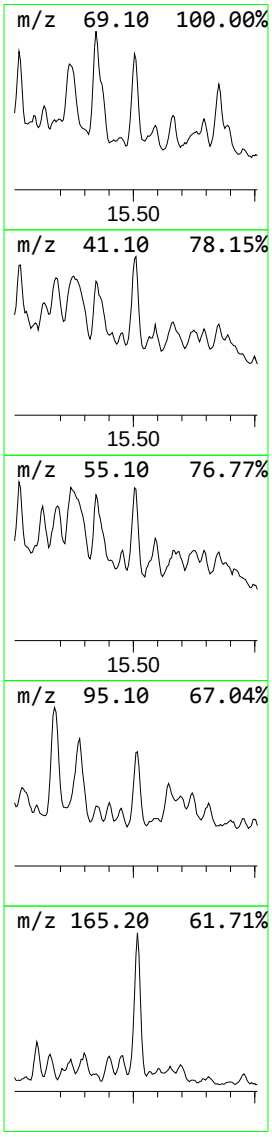
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 unknown15.511 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.511	109.33 ug/l	4515160	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	35
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	30
3	Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	27
4	Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	25
5	2-Methyl-2-octene	126	C9H18	016993-86-5	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020206.D
Acq On : 07 Nov 2024 14:57
Operator : SY/MD
Sample : P4722-11
Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(5)

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, de...	13.664	148.9	ug/l	6149500	4	13.347	2064950	50.0
unknown14.066	14.066	66.0	ug/l	2724070	4	13.347	2064950	50.0
Naphthalene, de...	14.176	206.4	ug/l	8523940	4	13.347	2064950	50.0
1-Methyldecahyd...	14.340	225.8	ug/l	9326540	4	13.347	2064950	50.0
unknown14.651	14.651	126.8	ug/l	5237470	4	13.347	2064950	50.0
trans, cis-3-Et...	14.767	69.7	ug/l	2877780	4	13.347	2064950	50.0
Cyclohexane, 2-...	15.035	76.7	ug/l	3165960	4	13.347	2064950	50.0
unknown15.255	15.255	192.9	ug/l	7966730	4	13.347	2064950	50.0
Cyclohexane, 2,...	15.346	84.5	ug/l	3491690	4	13.347	2064950	50.0
unknown15.511	15.511	109.3	ug/l	4515160	4	13.347	2064950	50.0

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(3.5)	SDG No.:	P4722
Lab Sample ID:	P4722-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.8
Sample Wt/Vol:	11.8 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
VY020209.D	1		11/07/24 16:07	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	0.88	2.70	ug/Kg
74-87-3	Chloromethane	0.62	U	0.62	2.70	ug/Kg
75-01-4	Vinyl Chloride	0.41	U	0.41	2.70	ug/Kg
74-83-9	Bromomethane	0.55	U	0.55	2.70	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	2.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.48	U	0.48	2.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.57	U	0.57	2.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.41	U	0.41	2.70	ug/Kg
67-64-1	Acetone	3.30	U	3.30	13.3	ug/Kg
75-15-0	Carbon Disulfide	0.68	U	0.68	2.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	2.70	ug/Kg
79-20-9	Methyl Acetate	0.96	U	0.96	2.70	ug/Kg
75-09-2	Methylene Chloride	1.80	U	1.80	5.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.45	U	0.45	2.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.33	U	0.33	2.70	ug/Kg
110-82-7	Cyclohexane	0.37	U	0.37	2.70	ug/Kg
78-93-3	2-Butanone	3.00	U	3.00	13.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.46	U	0.46	2.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.32	U	0.32	2.70	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	2.70	ug/Kg
67-66-3	Chloroform	0.36	U	0.36	2.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.41	U	0.41	2.70	ug/Kg
108-87-2	Methylcyclohexane	0.46	U	0.46	2.70	ug/Kg
71-43-2	Benzene	0.38	U	0.38	2.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.32	U	0.32	2.70	ug/Kg
79-01-6	Trichloroethene	0.40	U	0.40	2.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.35	U	0.35	2.70	ug/Kg
75-27-4	Bromodichloromethane	0.30	U	0.30	2.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.30	U	2.30	13.3	ug/Kg
108-88-3	Toluene	0.36	U	0.36	2.70	ug/Kg

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(3.5)	SDG No.:	P4722
Lab Sample ID:	P4722-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.8
Sample Wt/Vol:	11.8 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
VY020209.D	1		11/07/24 16:07	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.32	U	0.32	2.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.30	U	0.30	2.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	2.70	ug/Kg
591-78-6	2-Hexanone	2.50	U	2.50	13.3	ug/Kg
124-48-1	Dibromochloromethane	0.35	U	0.35	2.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.42	U	0.42	2.70	ug/Kg
127-18-4	Tetrachloroethene	0.47	U	0.47	2.70	ug/Kg
108-90-7	Chlorobenzene	0.39	U	0.39	2.70	ug/Kg
100-41-4	Ethyl Benzene	0.33	U	0.33	2.70	ug/Kg
179601-23-1	m/p-Xylenes	0.72	U	0.72	5.30	ug/Kg
95-47-6	o-Xylene	0.37	U	0.37	2.70	ug/Kg
100-42-5	Styrene	0.32	U	0.32	2.70	ug/Kg
75-25-2	Bromoform	0.43	U	0.43	2.70	ug/Kg
98-82-8	Isopropylbenzene	0.36	U	0.36	2.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.58	U	0.58	2.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.39	U	0.39	2.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.42	U	0.42	2.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.31	U	0.31	2.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.83	U	0.83	2.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	2.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.41	U	0.41	2.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.6		50 - 163	125%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		54 - 147	107%	SPK: 50
2037-26-5	Toluene-d8	49.3		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		29 - 146	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	181000	7.713			
540-36-3	1,4-Difluorobenzene	389000	8.616			
3114-55-4	Chlorobenzene-d5	362000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(3.5)	SDG No.:	P4722
Lab Sample ID:	P4722-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.8
Sample Wt/Vol:	11.8 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
VY020209.D	1		11/07/24 16:07	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
91-20-3	Naphthalene	0.95	J		15.1	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\VY110724\
Data File : VY020209.D
Acq On : 07 Nov 2024 16:07
Operator : SY/MD
Sample : P4722-17
Misc : 11.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(3.5)

Quant Time: Nov 08 00:28:57 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	181277	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	389130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	362163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	133281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141686	62.625	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.240%			
35) Dibromofluoromethane	7.640	113	132527	53.566	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.140%			
50) Toluene-d8	10.103	98	485528	49.302	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.600%			
62) 4-Bromofluorobenzene	12.402	95	153248	47.909	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 95.820%			
Target Compounds						Qvalue
95) Naphthalene	15.145	128	6803	1.782	ug/l #	93

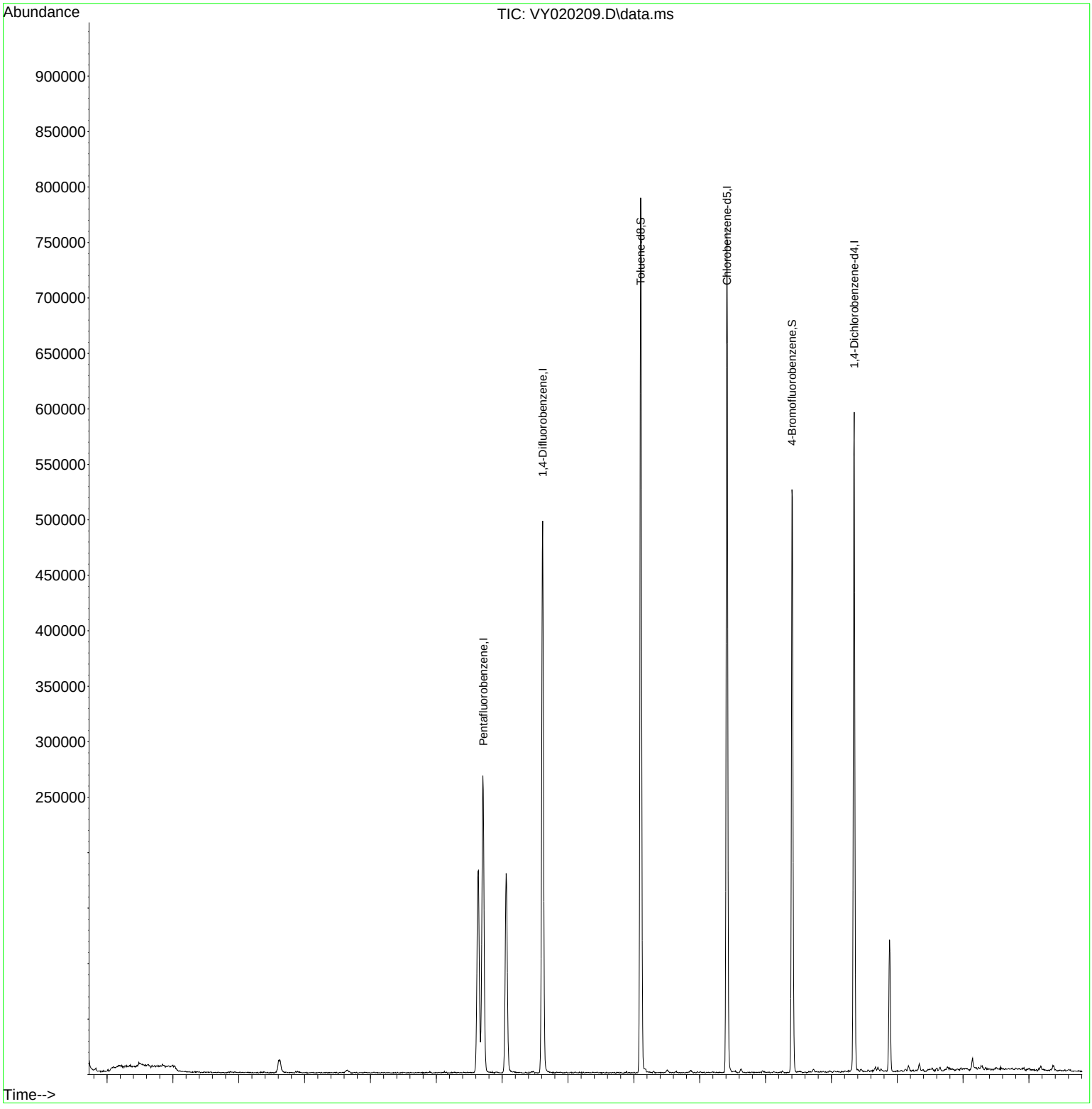
(#) = qualifier out of range (m) = manual integration (+) = signals summed

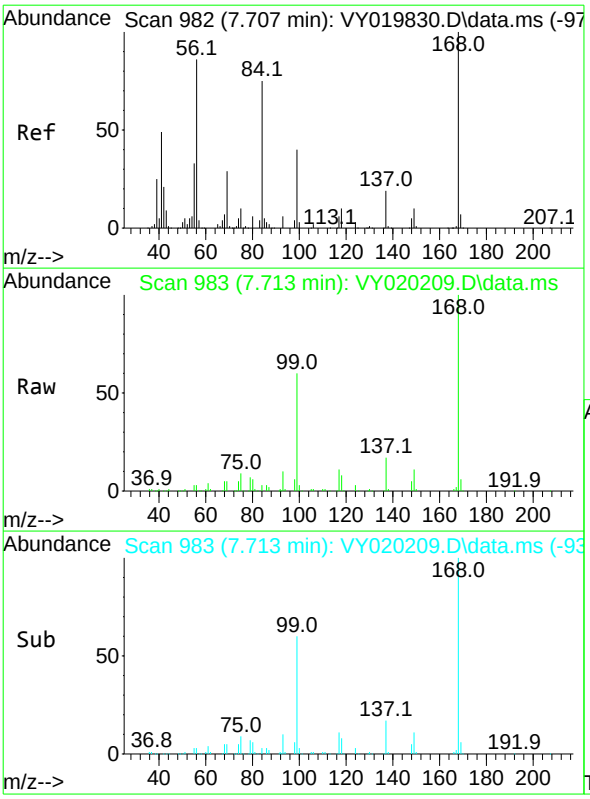
Sample Results: **VY020209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020209.D
Acq On : 07 Nov 2024 16:07
Operator : SY/MD
Sample : P4722-17
Misc : 11.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(3.5)

Quant Time: Nov 08 00:28:57 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



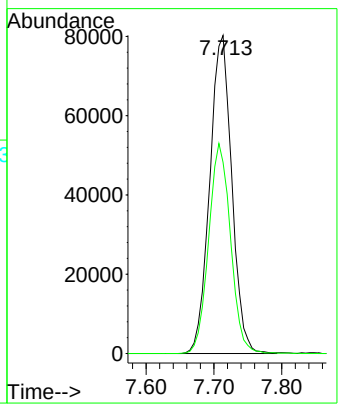


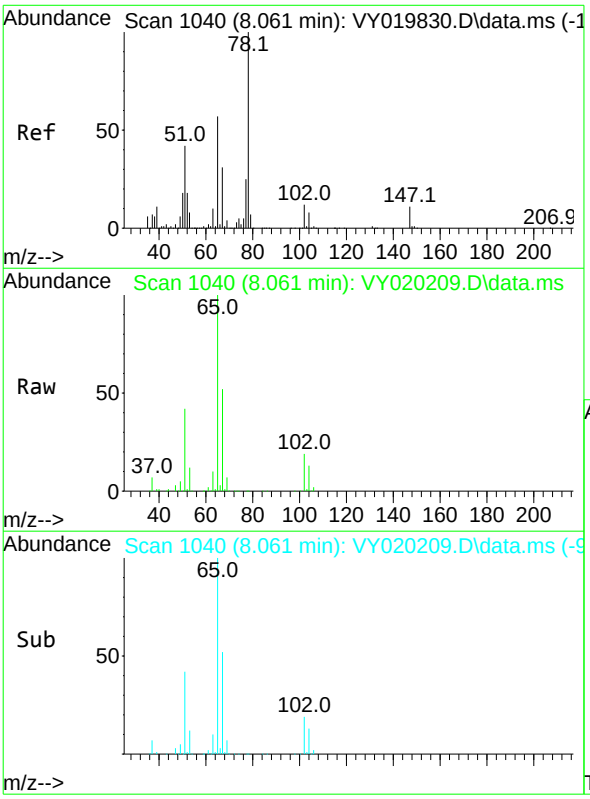
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020209.D
Acq: 07 Nov 2024 16:07

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(3.5)

Tgt Ion:168 Resp: 181277

Ion	Ratio	Lower	Upper
168	100		
99	60.1	39.1	58.7#

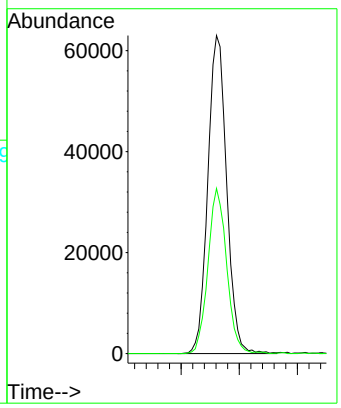


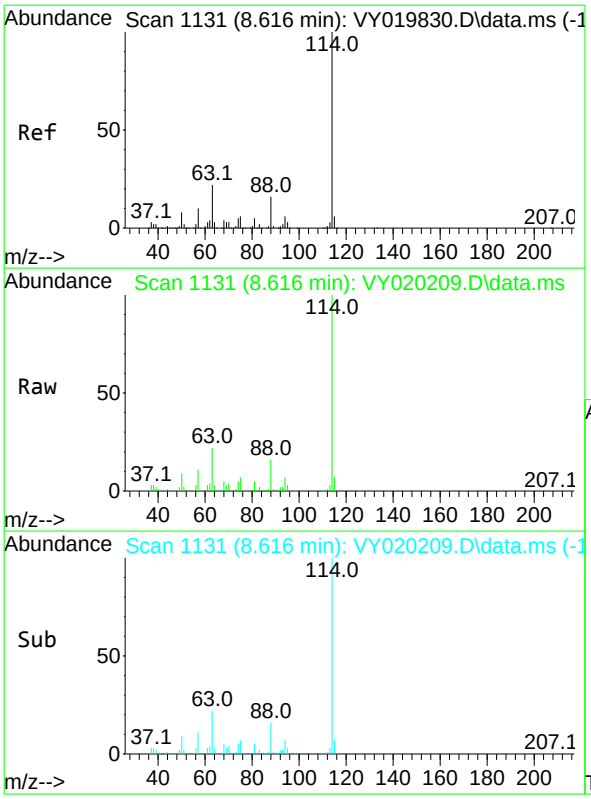


#33
1,2-Dichloroethane-d4
Concen: 62.625 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020209.D
Acq: 07 Nov 2024 16:07

Tgt Ion: 65 Resp: 141686

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	109.6



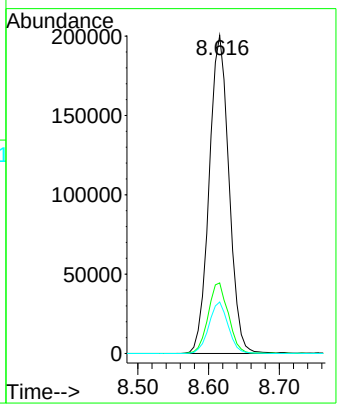


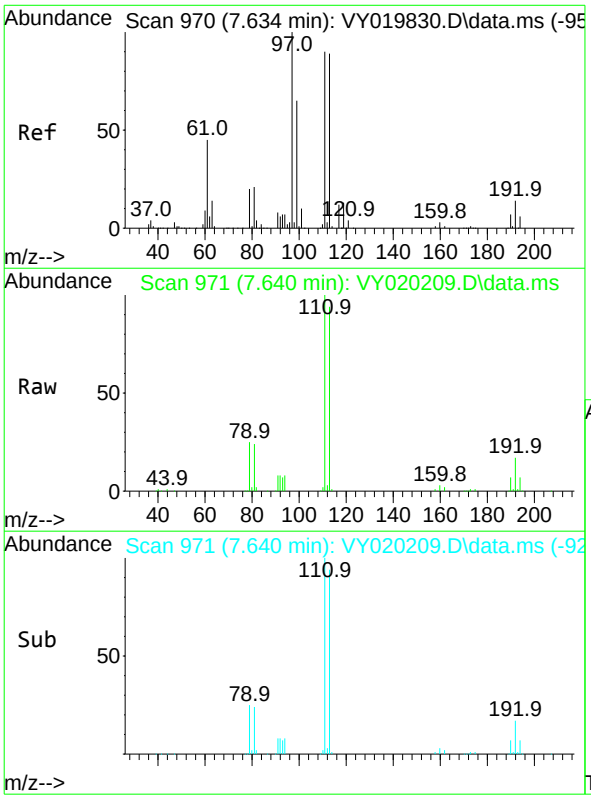
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020209.D
Acq: 07 Nov 2024 16:07

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(3.5)

Tgt Ion:114 Resp: 389130

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	35.0
88	16.2	0.0	27.2

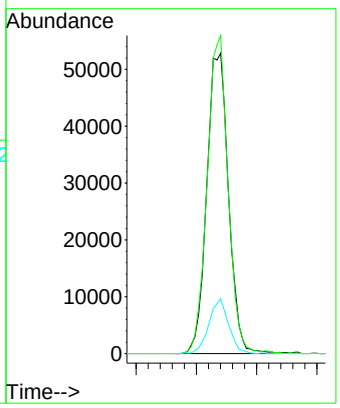


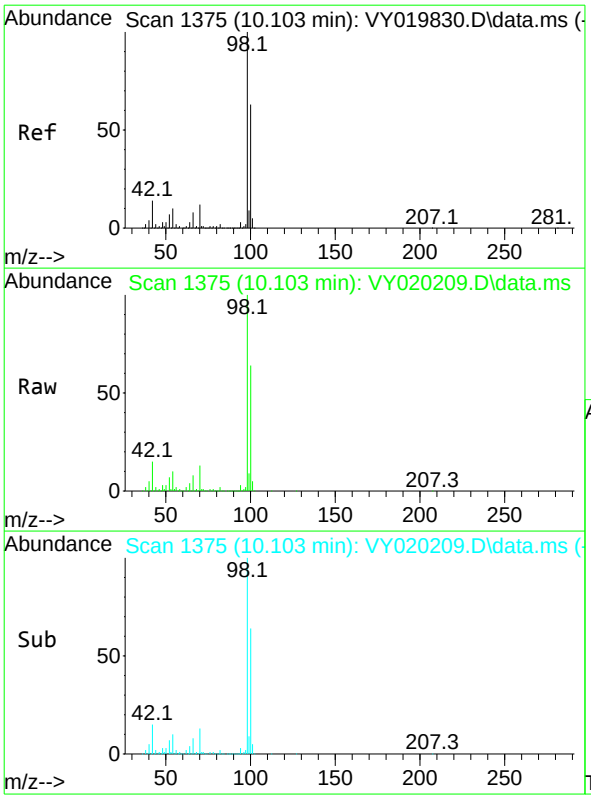


#35
Dibromofluoromethane
Concen: 53.566 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.007 min
Lab File: VY020209.D
Acq: 07 Nov 2024 16:07

Tgt Ion:113 Resp: 132527

Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.2	123.4
192	16.5	15.9	23.9



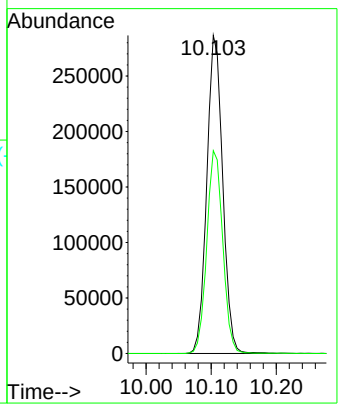


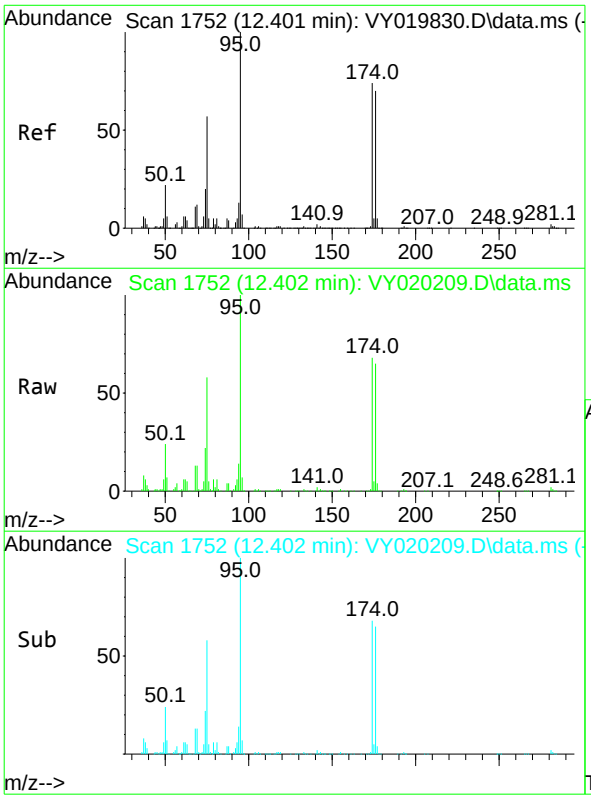
#50
Toluene-d8
Concen: 49.302 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020209.D
Acq: 07 Nov 2024 16:07

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(3.5)

Tgt Ion: 98 Resp: 485528

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0

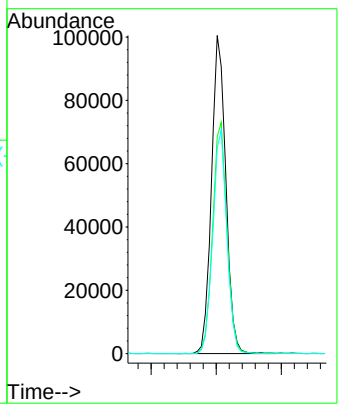


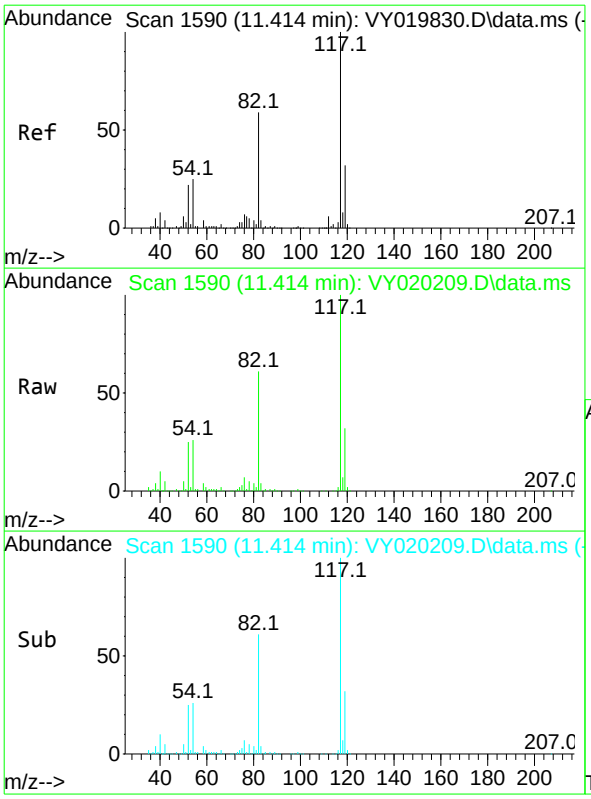


#62
4-Bromofluorobenzene
Concen: 47.909 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020209.D
Acq: 07 Nov 2024 16:07

Tgt Ion: 95 Resp: 153248

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	175.6
176	69.0	0.0	171.4



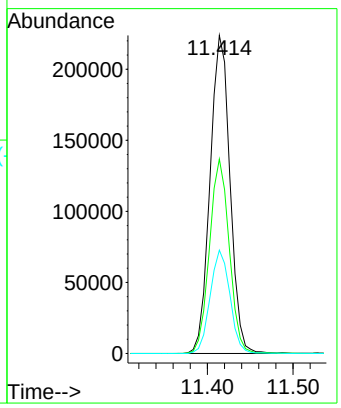


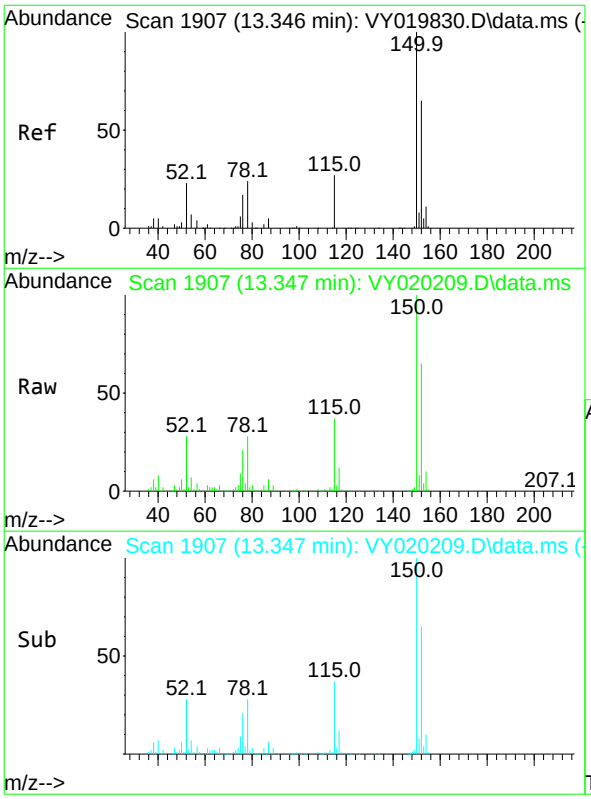
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020209.D
Acq: 07 Nov 2024 16:07

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(3.5)

Tgt Ion:117 Resp: 362163

Ion	Ratio	Lower	Upper
117	100		
82	61.1	42.4	63.6
119	32.5	25.9	38.9

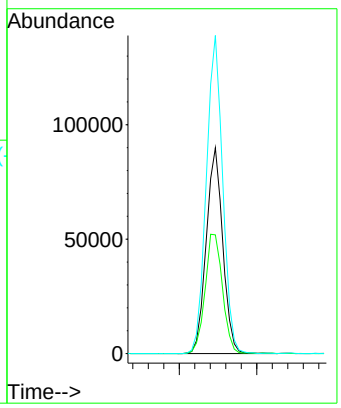


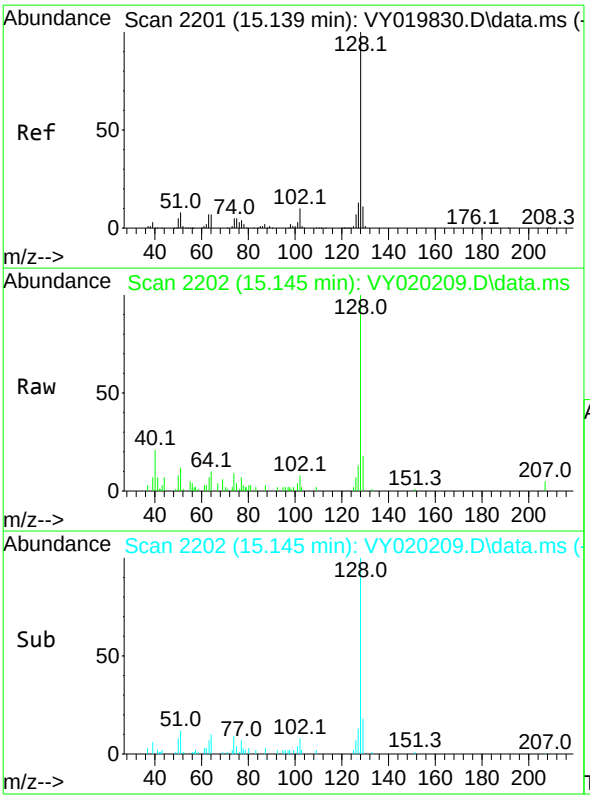


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020209.D
Acq: 07 Nov 2024 16:07

Tgt Ion:152 Resp: 133281

Ion	Ratio	Lower	Upper
152	100		
115	61.4	28.2	84.7
150	153.2	0.0	345.6



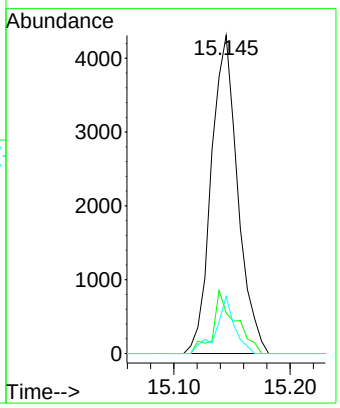


#95
Naphthalene
Concen: 1.782 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020209.D
Acq: 07 Nov 2024 16:07

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(3.5)

Tgt Ion:128 Resp: 6803

Ion	Ratio	Lower	Upper
128	100		
127	16.7	10.6	16.0#
129	12.6	8.6	13.0



Sample Results: **VY020209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020209.D
Acq On : 07 Nov 2024 16:07
Operator : SY/MD
Sample : P4722-17
Misc : 11.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(3.5)

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

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

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

Signal : TIC: VY020209.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	467	475	484	rBV3	11339	35826	2.66%	0.507%
2	7.640	960	971	976	rBV	182356	452064	33.60%	6.392%
3	7.707	976	982	994	rVB	267180	609992	45.34%	8.625%
4	8.061	1030	1040	1056	rBV	180093	410634	30.52%	5.806%
5	8.616	1121	1131	1144	rBV	497752	982041	72.99%	13.886%
6	10.103	1367	1375	1384	rBV	788820	1345513	100.00%	19.025%
7	11.414	1583	1590	1603	rBV	762138	1229416	91.37%	17.384%
8	12.402	1743	1752	1764	rBV	525589	867001	64.44%	12.259%
9	13.347	1896	1907	1921	rBV	594441	923137	68.61%	13.053%
10	13.883	1988	1995	2002	rBV2	118607	192595	14.31%	2.723%
11	15.145	2195	2202	2210	rBV2	11197	24074	1.79%	0.340%

Sum of corrected areas: 7072293

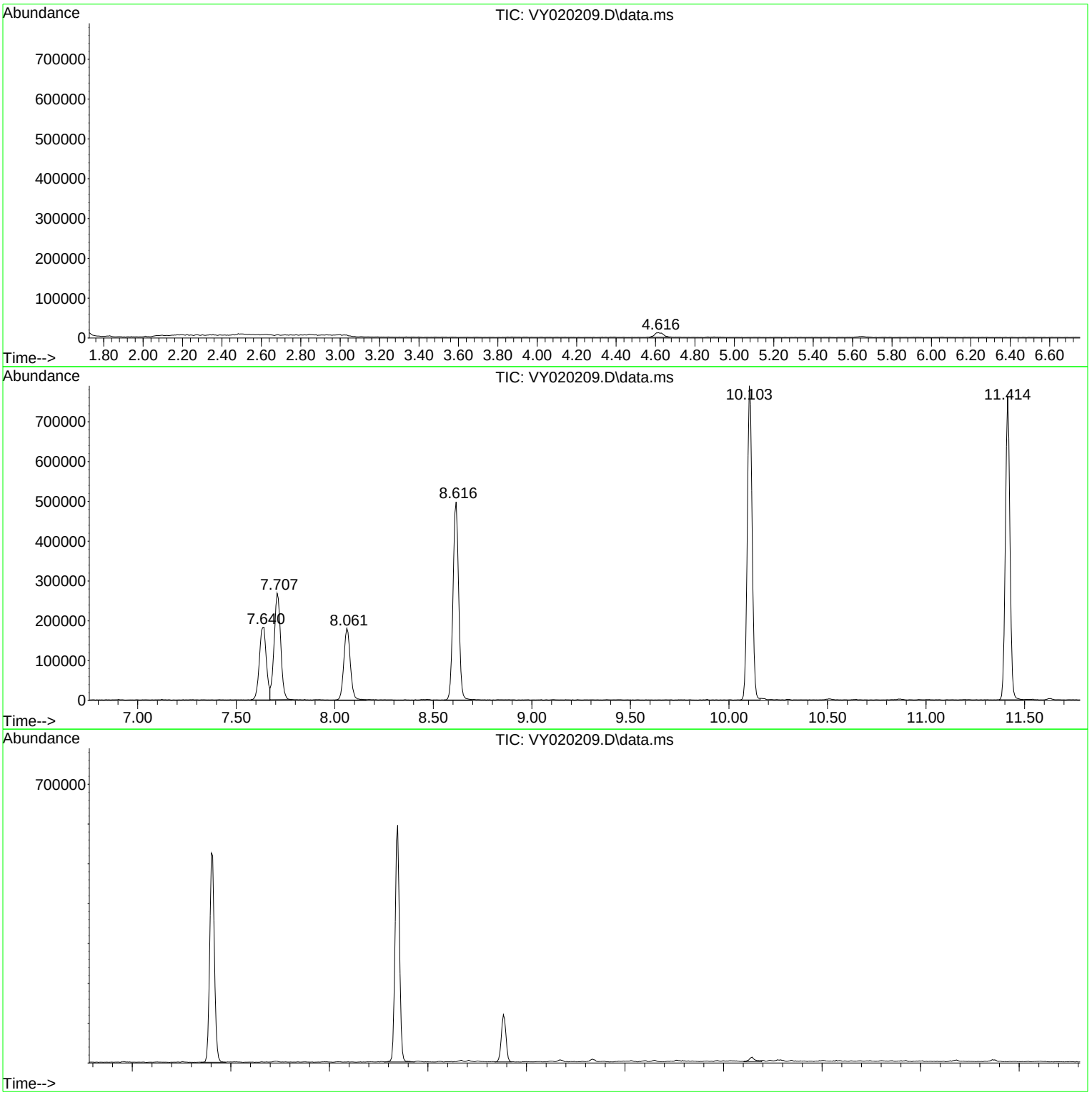
Sample Results: **VY020209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020209.D
Acq On : 07 Nov 2024 16:07
Operator : SY/MD
Sample : P4722-17
Misc : 11.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(3.5)

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

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



Library Search Compound Report

Sample Results: **VY020209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020209.D
Acq On : 07 Nov 2024 16:07
Operator : SY/MD
Sample : P4722-17
Misc : 11.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(3.5)

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020209.D
Acq On : 07 Nov 2024 16:07
Operator : SY/MD
Sample : P4722-17
Misc : 11.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-1(3.5)

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

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

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(4)	SDG No.:	P4722
Lab Sample ID:	P4722-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.4
Sample Wt/Vol:	12.89 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
VY020210.D	1		11/07/24 16:31	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.72	U	0.72	2.20	ug/Kg
74-87-3	Chloromethane	0.50	U	0.50	2.20	ug/Kg
75-01-4	Vinyl Chloride	0.33	U	0.33	2.20	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	2.20	ug/Kg
75-00-3	Chloroethane	0.44	U	0.44	2.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.39	U	0.39	2.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.46	U	0.46	2.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.34	U	0.34	2.20	ug/Kg
67-64-1	Acetone	2.70	U	2.70	10.8	ug/Kg
75-15-0	Carbon Disulfide	0.56	U	0.56	2.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.29	U	0.29	2.20	ug/Kg
79-20-9	Methyl Acetate	0.78	U	0.78	2.20	ug/Kg
75-09-2	Methylene Chloride	1.50	U	1.50	4.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.36	U	0.36	2.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.27	U	0.27	2.20	ug/Kg
110-82-7	Cyclohexane	0.30	U	0.30	2.20	ug/Kg
78-93-3	2-Butanone	2.50	U	2.50	10.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.38	U	0.38	2.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.26	U	0.26	2.20	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	2.20	ug/Kg
67-66-3	Chloroform	0.29	U	0.29	2.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.34	U	0.34	2.20	ug/Kg
108-87-2	Methylcyclohexane	0.38	U	0.38	2.20	ug/Kg
71-43-2	Benzene	0.31	U	0.31	2.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.26	U	0.26	2.20	ug/Kg
79-01-6	Trichloroethene	0.33	U	0.33	2.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.29	U	0.29	2.20	ug/Kg
75-27-4	Bromodichloromethane	0.24	U	0.24	2.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.90	U	1.90	10.8	ug/Kg
108-88-3	Toluene	0.29	U	0.29	2.20	ug/Kg

Raw Data: **VY020210.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(4)	SDG No.:	P4722
Lab Sample ID:	P4722-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.4
Sample Wt/Vol:	12.89 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
VY020210.D	1		11/07/24 16:31	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.26	U	0.26	2.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.25	U	0.25	2.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.36	U	0.36	2.20	ug/Kg
591-78-6	2-Hexanone	2.10	U	2.10	10.8	ug/Kg
124-48-1	Dibromochloromethane	0.28	U	0.28	2.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.34	U	0.34	2.20	ug/Kg
127-18-4	Tetrachloroethene	0.39	U	0.39	2.20	ug/Kg
108-90-7	Chlorobenzene	0.32	U	0.32	2.20	ug/Kg
100-41-4	Ethyl Benzene	0.27	U	0.27	2.20	ug/Kg
179601-23-1	m/p-Xylenes	0.59	U	0.59	4.30	ug/Kg
95-47-6	o-Xylene	0.30	U	0.30	2.20	ug/Kg
100-42-5	Styrene	0.26	U	0.26	2.20	ug/Kg
75-25-2	Bromoform	0.35	U	0.35	2.20	ug/Kg
98-82-8	Isopropylbenzene	0.29	U	0.29	2.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.48	U	0.48	2.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.32	U	0.32	2.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.35	U	0.35	2.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.26	U	0.26	2.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.68	U	0.68	2.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.34	U	0.34	2.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.34	U	0.34	2.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.4		50 - 163	129%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		54 - 147	108%	SPK: 50
2037-26-5	Toluene-d8	49.8		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		29 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	7.707			
540-36-3	1,4-Difluorobenzene	387000	8.616			
3114-55-4	Chlorobenzene-d5	366000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.346			

Raw Data: **VY020210.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(4)	SDG No.:	P4722
Lab Sample ID:	P4722-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.4
Sample Wt/Vol:	12.89 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
VY020210.D	1		11/07/24 16:31	VY110724

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\VY110724\
Data File : VY020210.D
Acq On : 07 Nov 2024 16:31
Operator : SY/MD
Sample : P4722-19
Misc : 12.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(4)

Quant Time: Nov 08 00:29:19 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	179581	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	387425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	366025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144252	64.361	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.720%			
35) Dibromofluoromethane	7.634	113	133587	54.232	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.460%			
50) Toluene-d8	10.103	98	488413	49.813	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.620%			
62) 4-Bromofluorobenzene	12.408	95	155768	48.911	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 97.820%			
Target Compounds						Qvalue

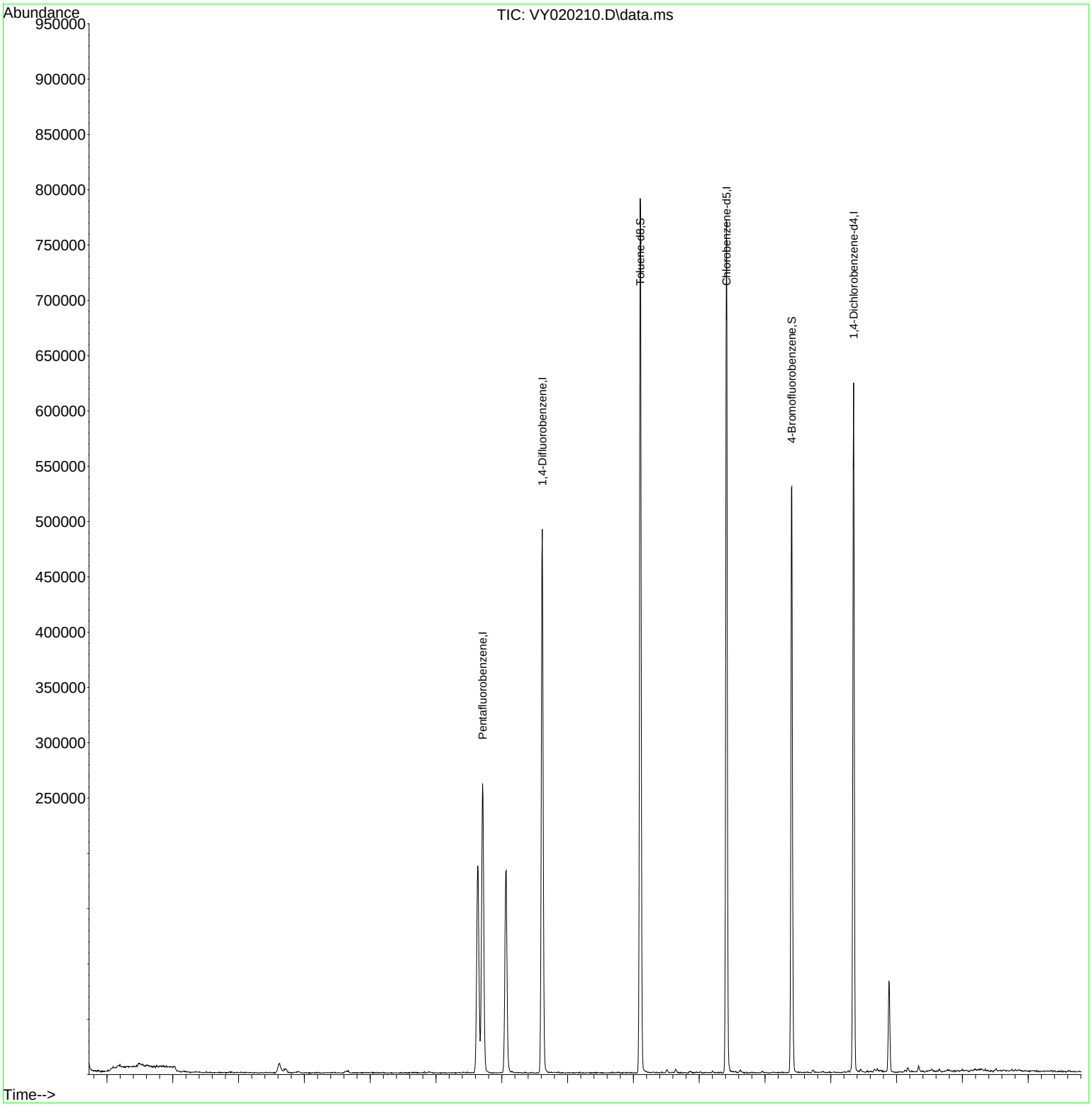
(#) = qualifier out of range (m) = manual integration (+) = signals summed

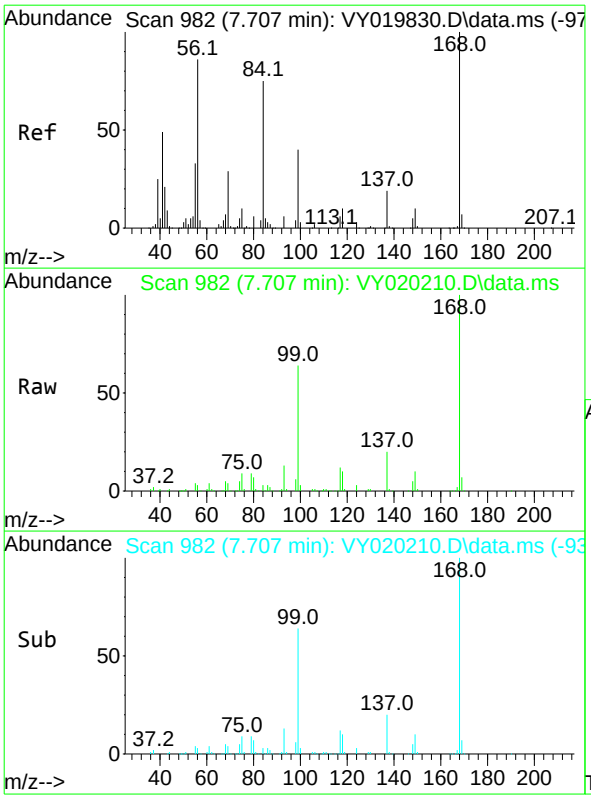
Sample Results: **VY020210.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020210.D
Acq On : 07 Nov 2024 16:31
Operator : SY/MD
Sample : P4722-19
Misc : 12.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(4)

Quant Time: Nov 08 00:29:19 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



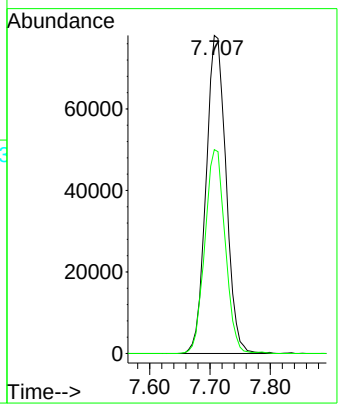


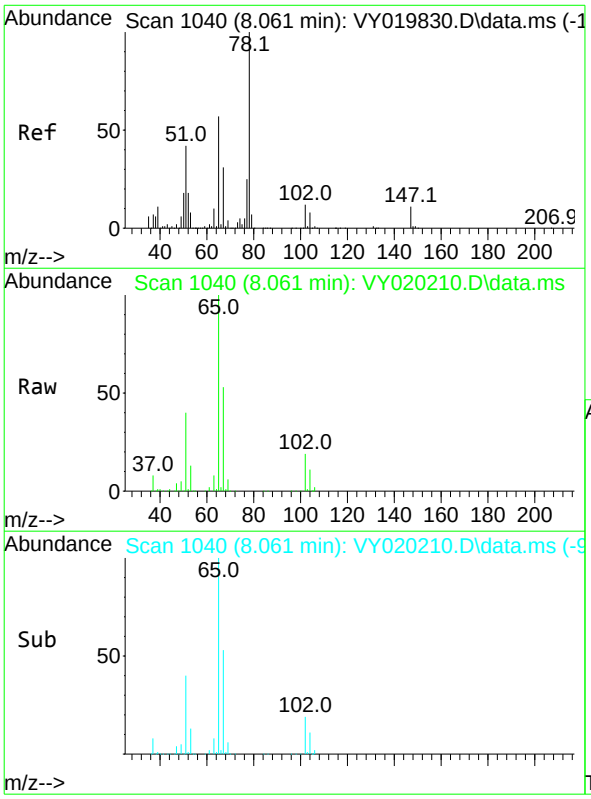
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020210.D
Acq: 07 Nov 2024 16:31

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(4)

Tgt Ion:168 Resp: 179581

Ion	Ratio	Lower	Upper
168	100		
99	64.1	39.1	58.7#

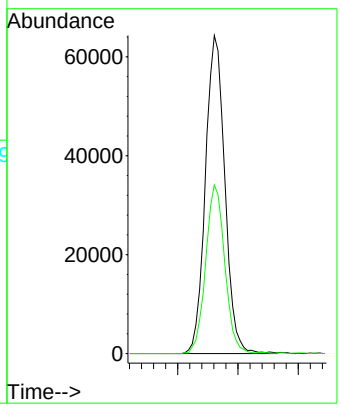


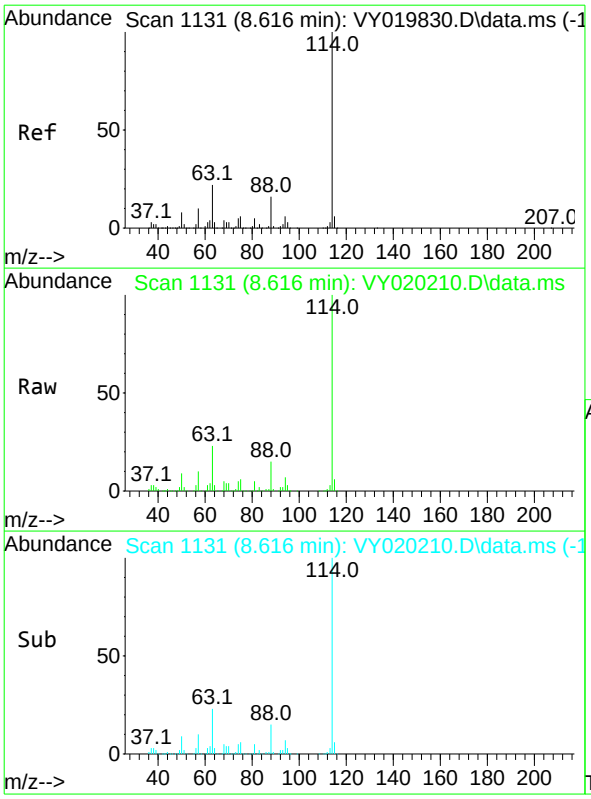


#33
1,2-Dichloroethane-d4
Concen: 64.361 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020210.D
Acq: 07 Nov 2024 16:31

Tgt Ion: 65 Resp: 144252

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	109.6



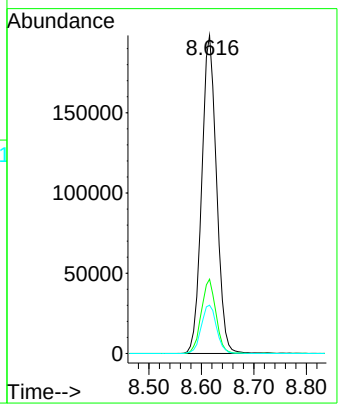


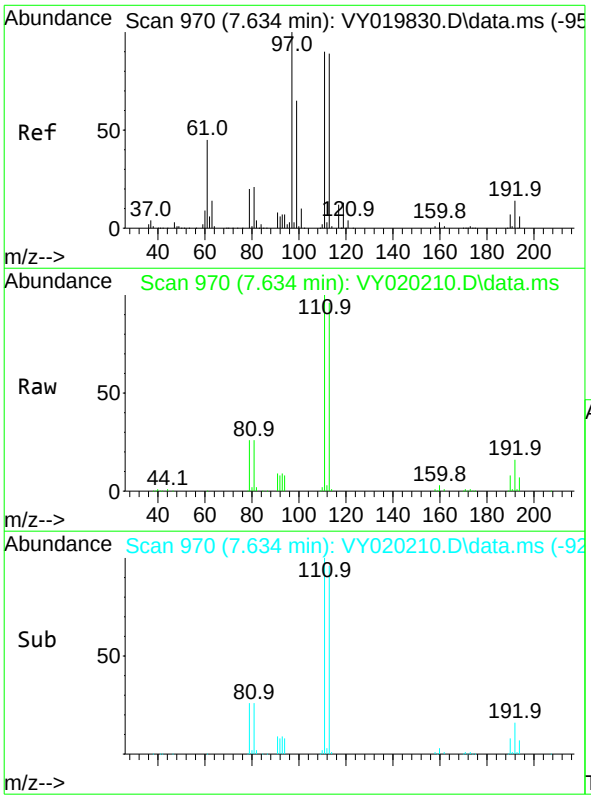
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020210.D
Acq: 07 Nov 2024 16:31

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(4)

Tgt Ion:114 Resp: 387425

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	35.0
88	15.2	0.0	27.2

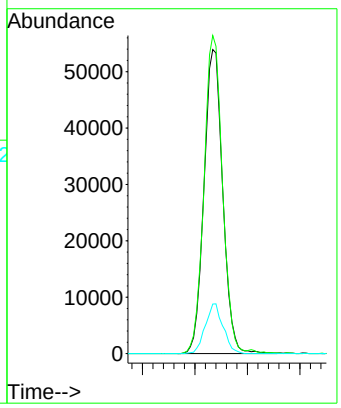


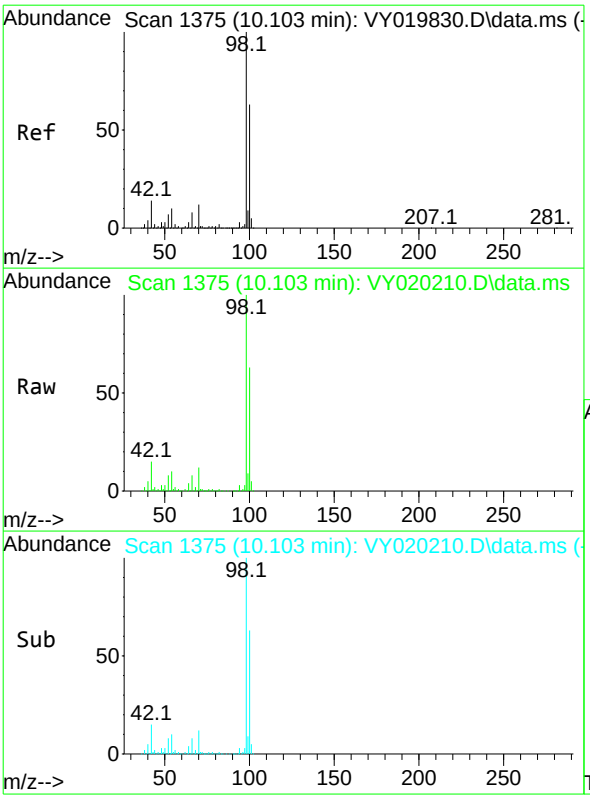


#35
Dibromofluoromethane
Concen: 54.232 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020210.D
Acq: 07 Nov 2024 16:31

Tgt Ion:113 Resp: 133587

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	15.6	15.9	23.9#



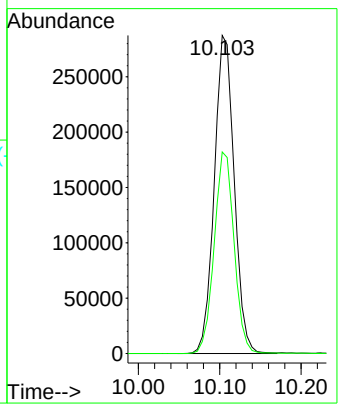


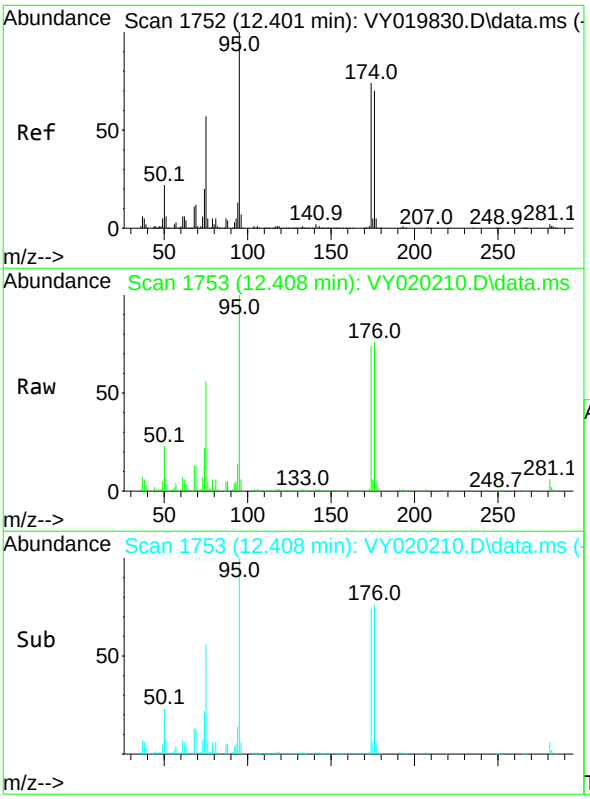
#50
Toluene-d8
Concen: 49.813 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020210.D
Acq: 07 Nov 2024 16:31

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(4)

Tgt Ion: 98 Resp: 488413

Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.0	78.0

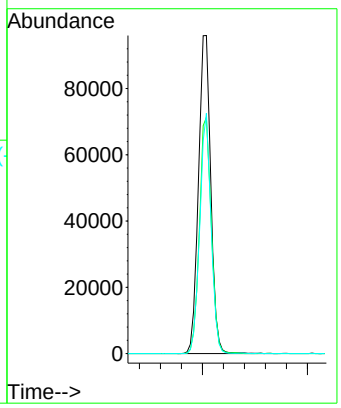


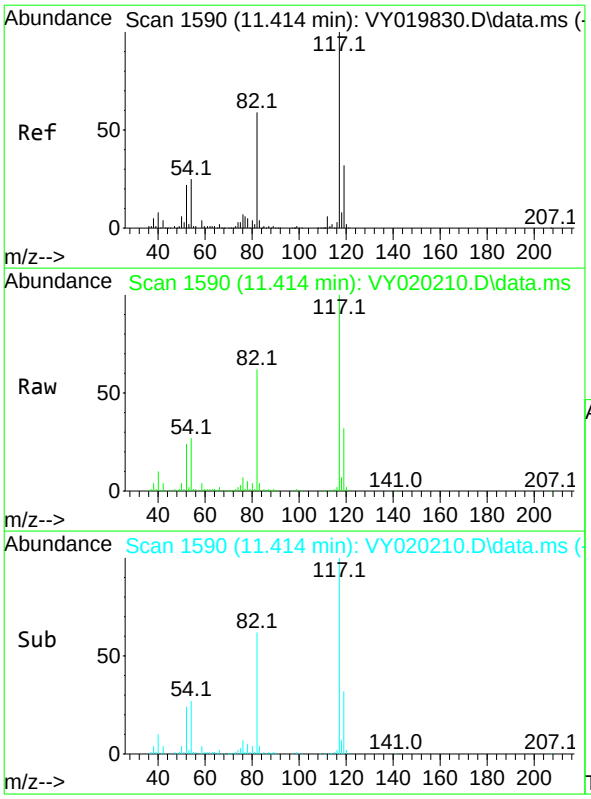


#62
4-Bromofluorobenzene
Concen: 48.911 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020210.D
Acq: 07 Nov 2024 16:31

Tgt Ion: 95 Resp: 155768

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	175.6
176	69.2	0.0	171.4



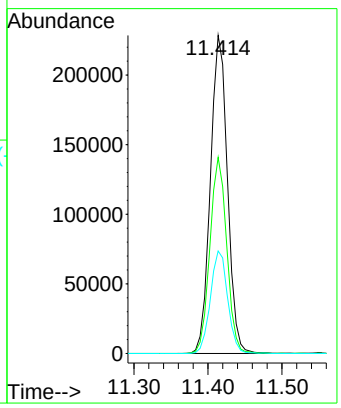


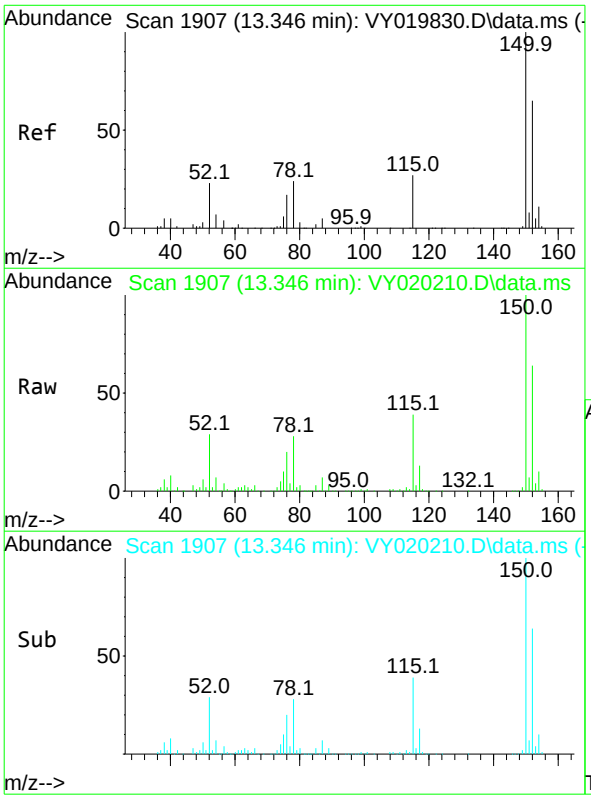
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020210.D
Acq: 07 Nov 2024 16:31

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(4)

Tgt Ion:117 Resp: 366025

Ion	Ratio	Lower	Upper
117	100		
82	61.7	42.4	63.6
119	32.2	25.9	38.9

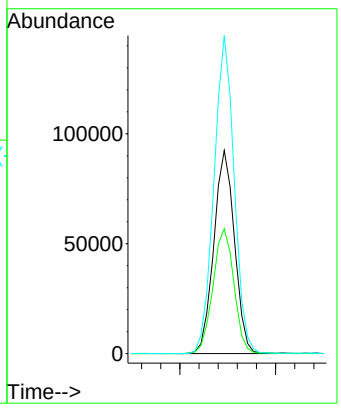




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020210.D
Acq: 07 Nov 2024 16:31

Tgt Ion:152 Resp: 138732

Ion	Ratio	Lower	Upper
152	100		
115	62.4	28.2	84.7
150	153.2	0.0	345.6



LSC Area Percent Report

Sample Results: **VY020210.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020210.D
Acq On : 07 Nov 2024 16:31
Operator : SY/MD
Sample : P4722-19
Misc : 12.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(4)

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

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

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

Signal : TIC: VY020210.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	464	476	485	rBV4	8793	30120	2.23%	0.428%
2	7.634	960	970	976	rBV	187341	456133	33.72%	6.478%
3	7.707	976	982	993	rVB	260582	597084	44.14%	8.480%
4	8.067	1031	1041	1052	rBV	182819	415016	30.68%	5.894%
5	8.616	1122	1131	1144	rBV	491587	972365	71.88%	13.810%
6	10.103	1367	1375	1388	rBV	790593	1352703	100.00%	19.212%
7	11.414	1582	1590	1599	rBV	771168	1242402	91.85%	17.646%
8	12.408	1744	1753	1763	rBV	529659	882430	65.23%	12.533%
9	13.346	1897	1907	1917	rBV	623468	956003	70.67%	13.578%
10	13.883	1989	1995	2004	rVB2	82347	136588	10.10%	1.940%

Sum of corrected areas: 7040844

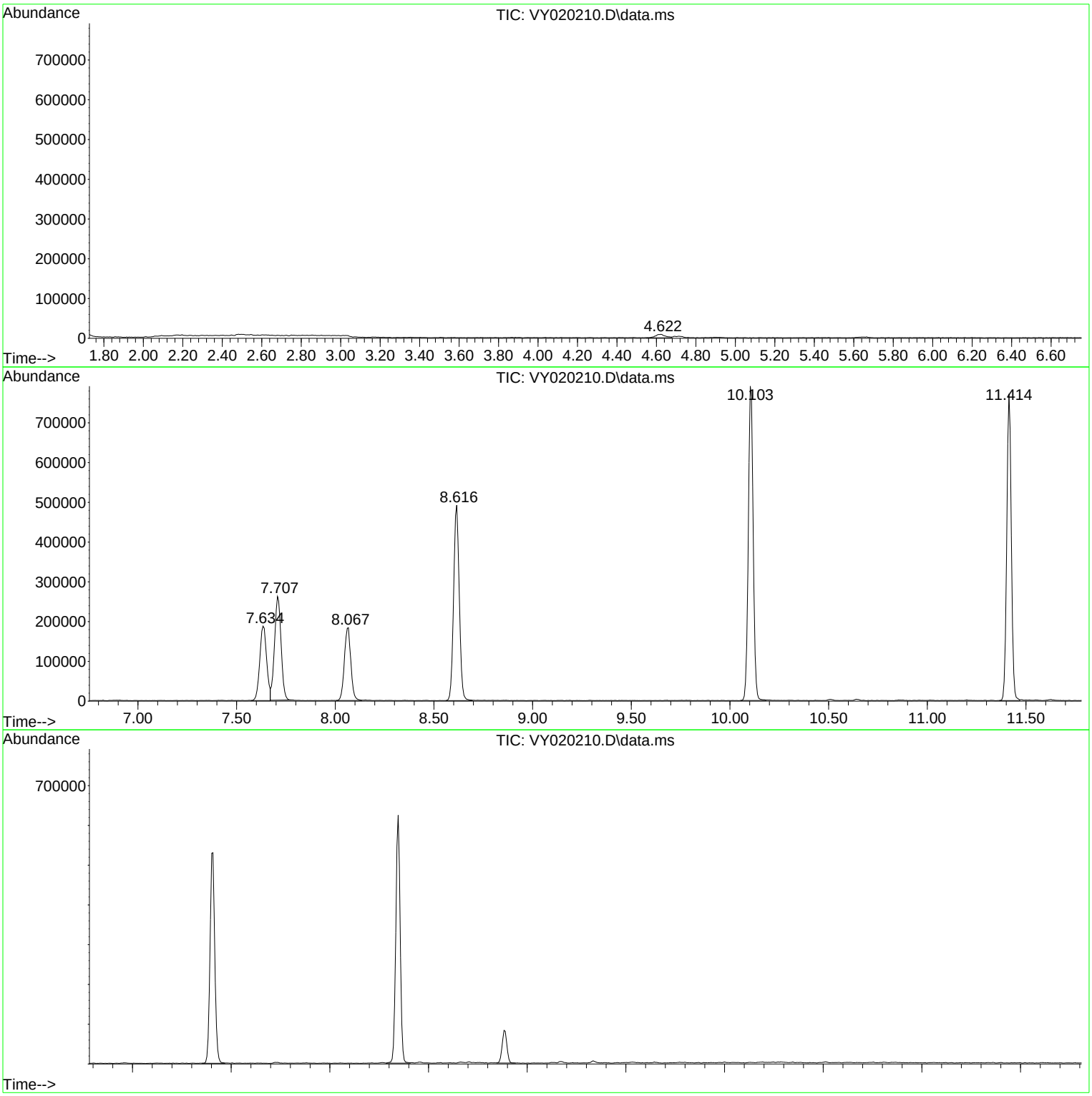
Sample Results: **VY020210.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020210.D
Acq On : 07 Nov 2024 16:31
Operator : SY/MD
Sample : P4722-19
Misc : 12.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(4)

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

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



Library Search Compound Report

Sample Results: **VY020210.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020210.D
Acq On : 07 Nov 2024 16:31
Operator : SY/MD
Sample : P4722-19
Misc : 12.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(4)

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020210.D
Acq On : 07 Nov 2024 16:31
Operator : SY/MD
Sample : P4722-19
Misc : 12.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-2(4)

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

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

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(3)	SDG No.:	P4722
Lab Sample ID:	P4722-21	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.7
Sample Wt/Vol:	12.07 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
VY020211.D	1		11/07/24 16:54	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.78	U	0.78	2.40	ug/Kg
74-87-3	Chloromethane	0.55	U	0.55	2.40	ug/Kg
75-01-4	Vinyl Chloride	0.36	U	0.36	2.40	ug/Kg
74-83-9	Bromomethane	0.49	U	0.49	2.40	ug/Kg
75-00-3	Chloroethane	0.48	U	0.48	2.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.43	U	0.43	2.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.51	U	0.51	2.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.37	U	0.37	2.40	ug/Kg
67-64-1	Acetone	2.90	U	2.90	11.8	ug/Kg
75-15-0	Carbon Disulfide	0.60	U	0.60	2.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.32	U	0.32	2.40	ug/Kg
79-20-9	Methyl Acetate	0.85	U	0.85	2.40	ug/Kg
75-09-2	Methylene Chloride	1.60	U	1.60	4.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.40	U	0.40	2.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.30	U	0.30	2.40	ug/Kg
110-82-7	Cyclohexane	0.33	U	0.33	2.40	ug/Kg
78-93-3	2-Butanone	2.70	U	2.70	11.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.41	U	0.41	2.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.29	U	0.29	2.40	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	2.40	ug/Kg
67-66-3	Chloroform	0.32	U	0.32	2.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.37	U	0.37	2.40	ug/Kg
108-87-2	Methylcyclohexane	0.41	U	0.41	2.40	ug/Kg
71-43-2	Benzene	0.34	U	0.34	2.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.29	U	0.29	2.40	ug/Kg
79-01-6	Trichloroethene	0.35	U	0.35	2.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.31	U	0.31	2.40	ug/Kg
75-27-4	Bromodichloromethane	0.26	U	0.26	2.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.10	U	2.10	11.8	ug/Kg
108-88-3	Toluene	0.32	U	0.32	2.40	ug/Kg

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(3)	SDG No.:	P4722
Lab Sample ID:	P4722-21	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.7
Sample Wt/Vol:	12.07 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
VY020211.D	1		11/07/24 16:54	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.28	U	0.28	2.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.27	U	0.27	2.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.40	U	0.40	2.40	ug/Kg
591-78-6	2-Hexanone	2.30	U	2.30	11.8	ug/Kg
124-48-1	Dibromochloromethane	0.31	U	0.31	2.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.37	U	0.37	2.40	ug/Kg
127-18-4	Tetrachloroethene	1.00	J	0.42	2.40	ug/Kg
108-90-7	Chlorobenzene	0.35	U	0.35	2.40	ug/Kg
100-41-4	Ethyl Benzene	0.29	U	0.29	2.40	ug/Kg
179601-23-1	m/p-Xylenes	0.64	U	0.64	4.70	ug/Kg
95-47-6	o-Xylene	0.33	U	0.33	2.40	ug/Kg
100-42-5	Styrene	0.28	U	0.28	2.40	ug/Kg
75-25-2	Bromoform	0.38	U	0.38	2.40	ug/Kg
98-82-8	Isopropylbenzene	0.32	U	0.32	2.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.52	U	0.52	2.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.35	U	0.35	2.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.38	U	0.38	2.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.28	U	0.28	2.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.74	U	0.74	2.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.37	U	0.37	2.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.37	U	0.37	2.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.3		50 - 163	131%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		54 - 147	109%	SPK: 50
2037-26-5	Toluene-d8	49.5		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		29 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	7.713			
540-36-3	1,4-Difluorobenzene	372000	8.616			
3114-55-4	Chlorobenzene-d5	352000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.346			

Raw Data: **VY020211.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(3)	SDG No.:	P4722
Lab Sample ID:	P4722-21	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.7
Sample Wt/Vol:	12.07 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
VY020211.D	1		11/07/24 16:54	VY110724

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\VY110724\
Data File : VY020211.D
Acq On : 07 Nov 2024 16:54
Operator : SY/MD
Sample : P4722-21
Misc : 12.07g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(3)

Quant Time: Nov 08 00:29:40 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

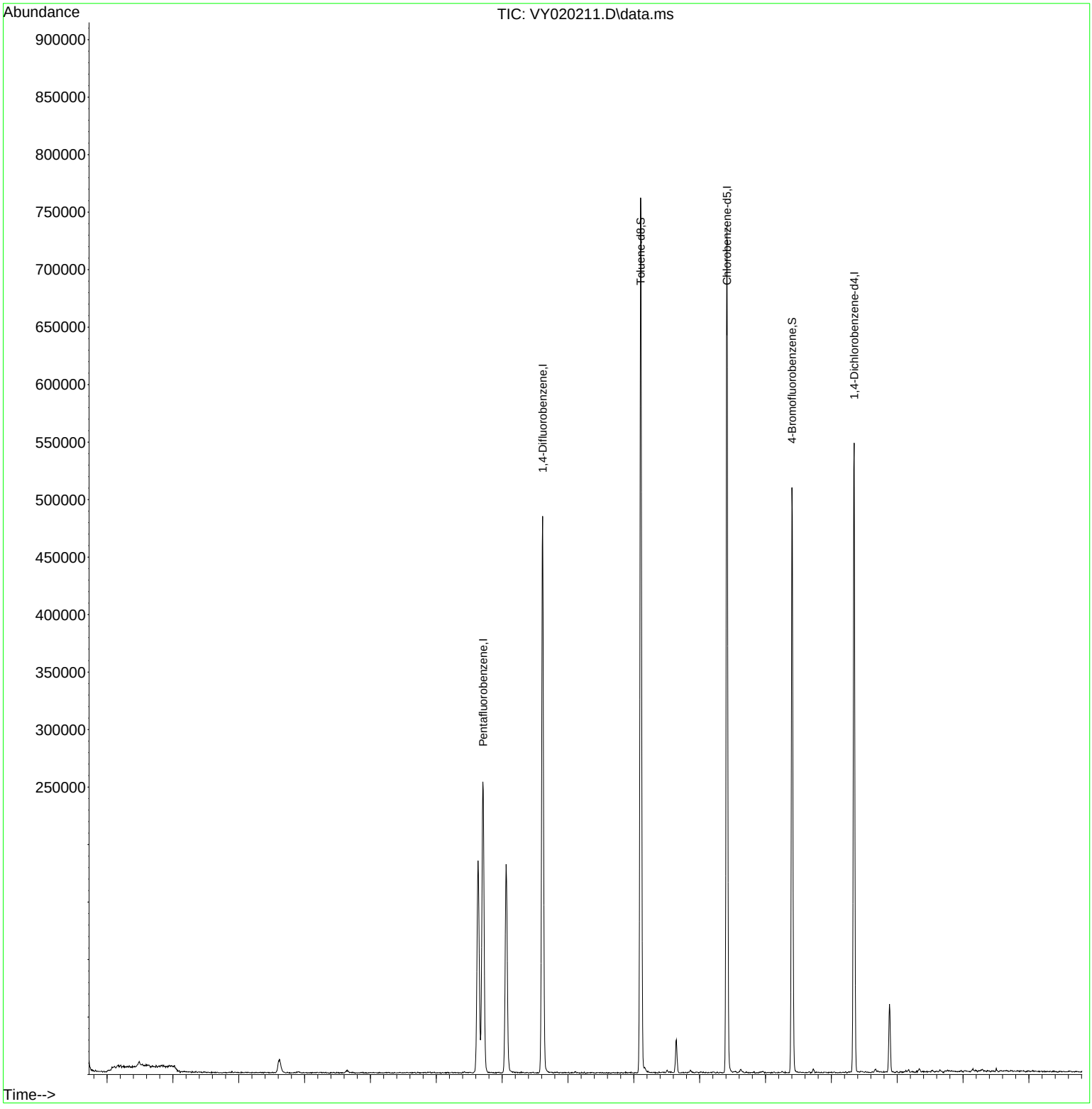
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	175489	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	372455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	352192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	123426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143034	65.306	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.620%			
35) Dibromofluoromethane	7.634	113	128538	54.280	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.560%			
50) Toluene-d8	10.103	98	466201	49.459	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.920%			
62) 4-Bromofluorobenzene	12.401	95	144935	47.339	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 94.680%			
Target Compounds						Qvalue
64) Tetrachloroethene	10.640	164	5015	2.157	ug/l #	89

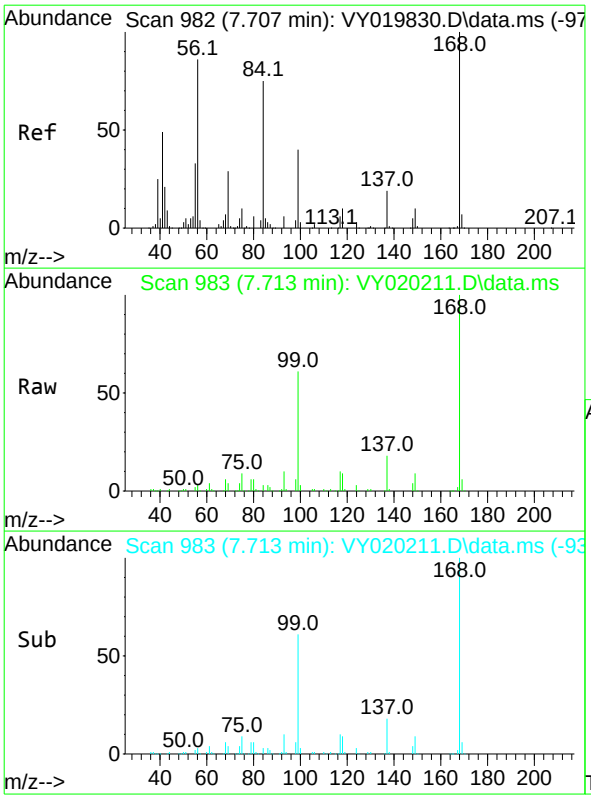
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020211.D
Acq On : 07 Nov 2024 16:54
Operator : SY/MD
Sample : P4722-21
Misc : 12.07g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(3)

Quant Time: Nov 08 00:29:40 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



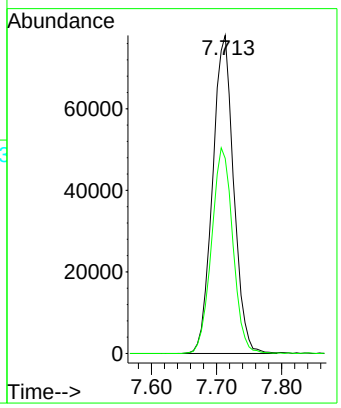


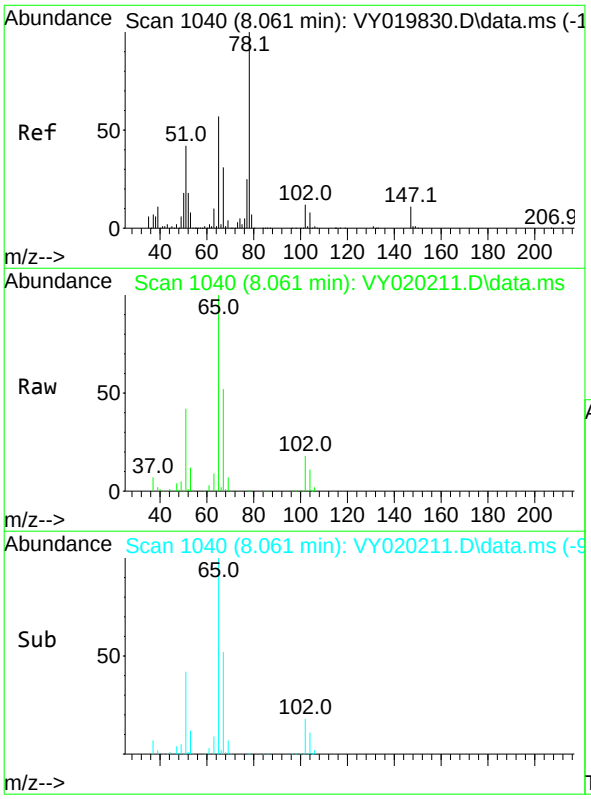
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020211.D
Acq: 07 Nov 2024 16:54

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(3)

Tgt Ion:168 Resp: 175489

Ion	Ratio	Lower	Upper
168	100		
99	61.3	39.1	58.7#

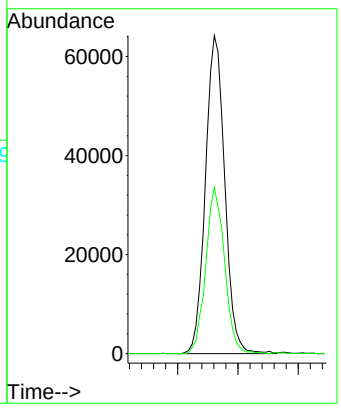


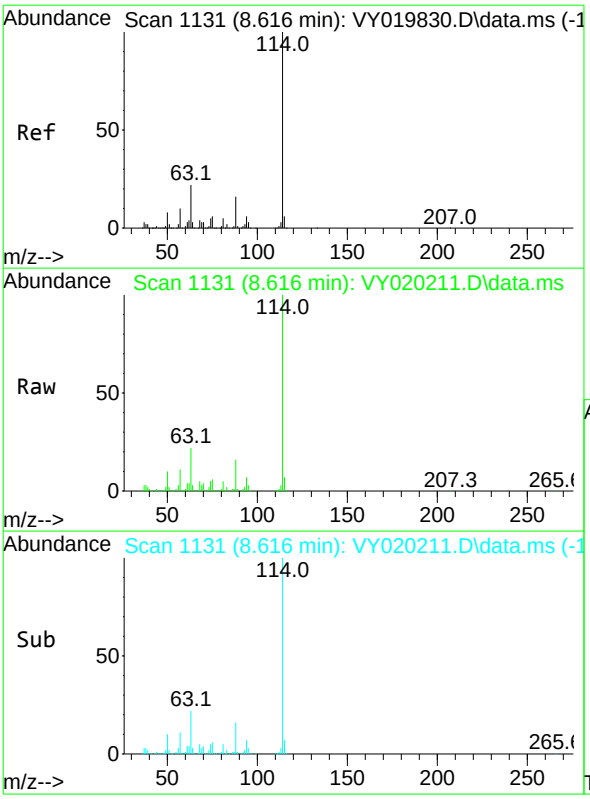


#33
1,2-Dichloroethane-d4
Concen: 65.306 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020211.D
Acq: 07 Nov 2024 16:54

Tgt Ion: 65 Resp: 143034

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	109.6



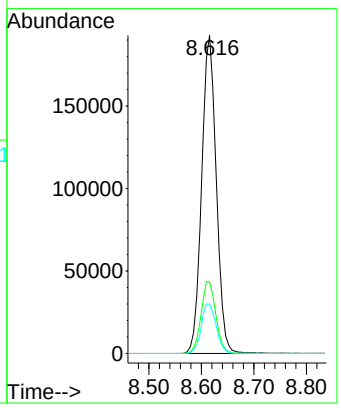


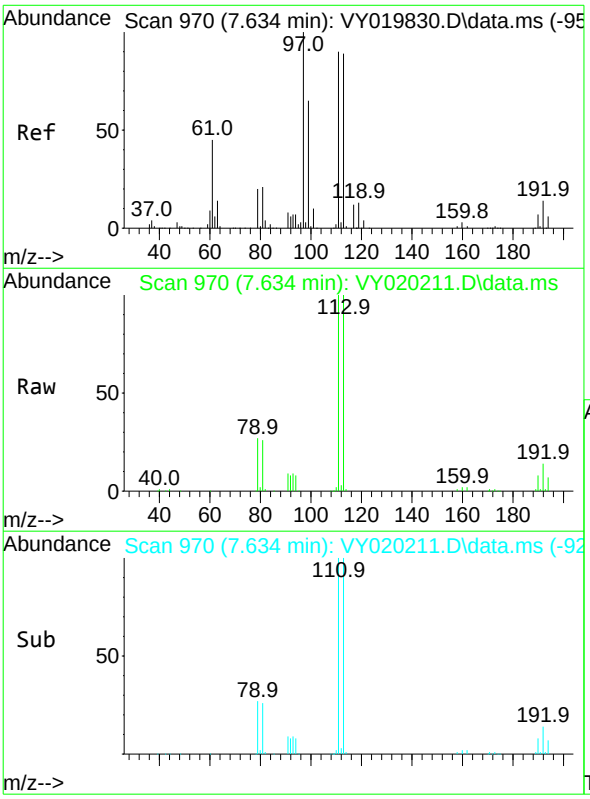
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020211.D
Acq: 07 Nov 2024 16:54

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(3)

Tgt Ion:114 Resp: 372455

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	35.0
88	15.5	0.0	27.2

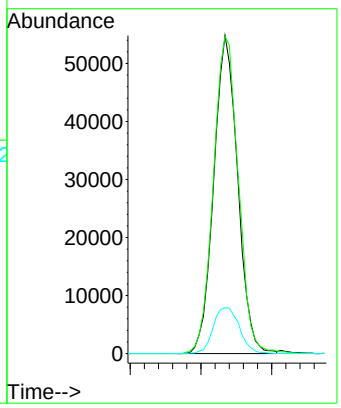


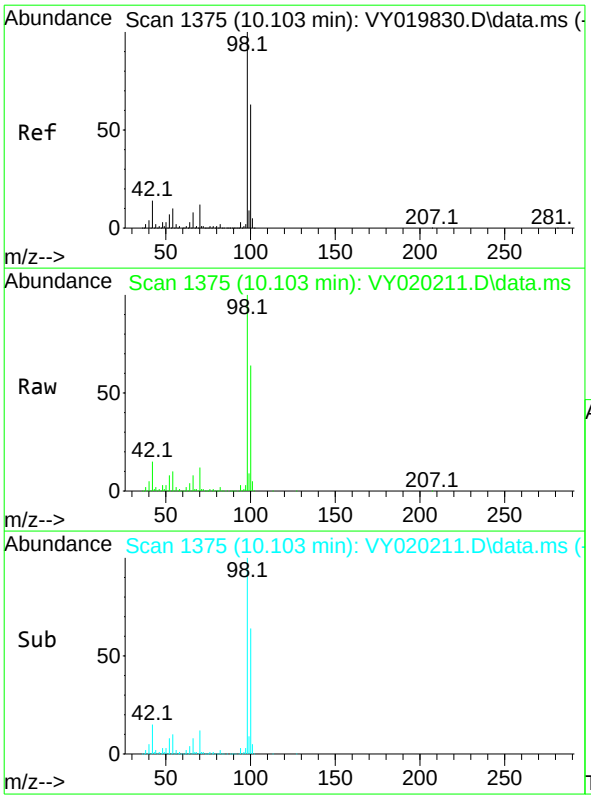


#35
Dibromofluoromethane
Concen: 54.280 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020211.D
Acq: 07 Nov 2024 16:54

Tgt Ion:113 Resp: 128538

Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.2	123.4
192	15.9	15.9	23.9#



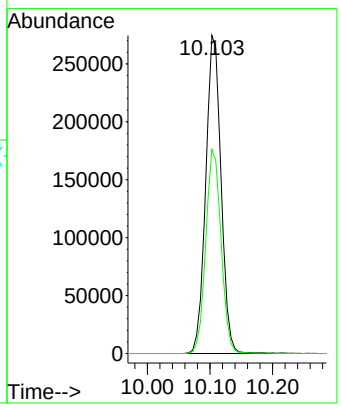


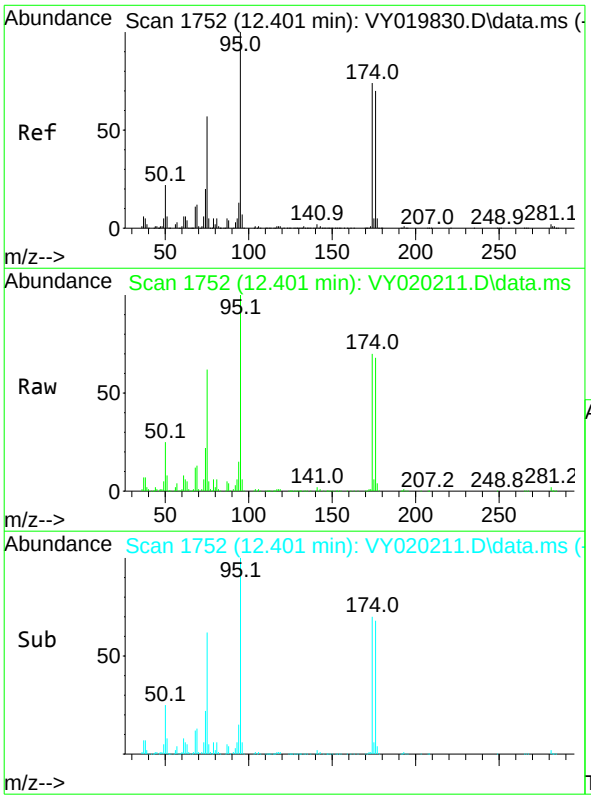
#50
Toluene-d8
Concen: 49.459 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020211.D
Acq: 07 Nov 2024 16:54

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(3)

Tgt Ion: 98 Resp: 466201

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0

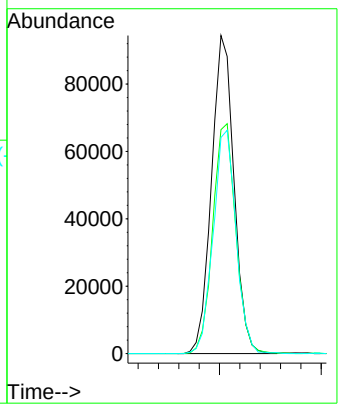


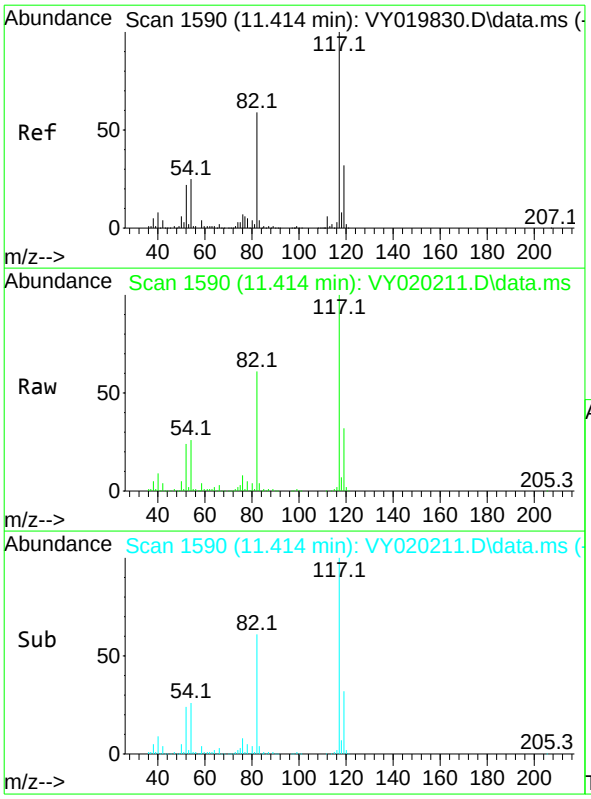


#62
4-Bromofluorobenzene
Concen: 47.339 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020211.D
Acq: 07 Nov 2024 16:54

Tgt Ion: 95 Resp: 144935

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	175.6
176	71.5	0.0	171.4



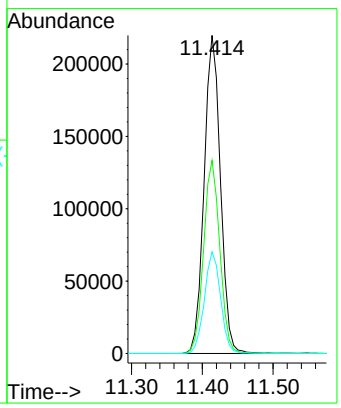


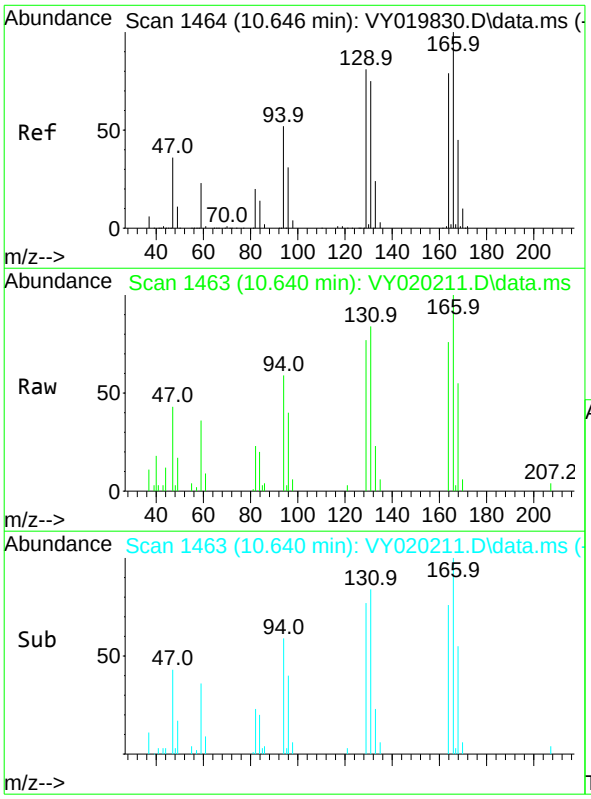
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020211.D
Acq: 07 Nov 2024 16:54

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(3)

Tgt Ion:117 Resp: 352192

Ion	Ratio	Lower	Upper
117	100		
82	60.7	42.4	63.6
119	32.0	25.9	38.9

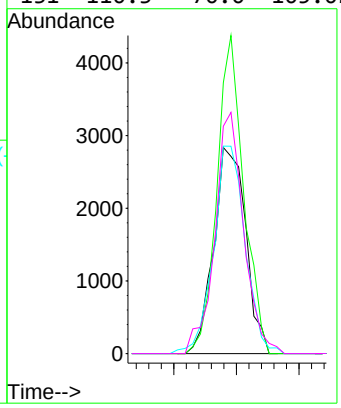


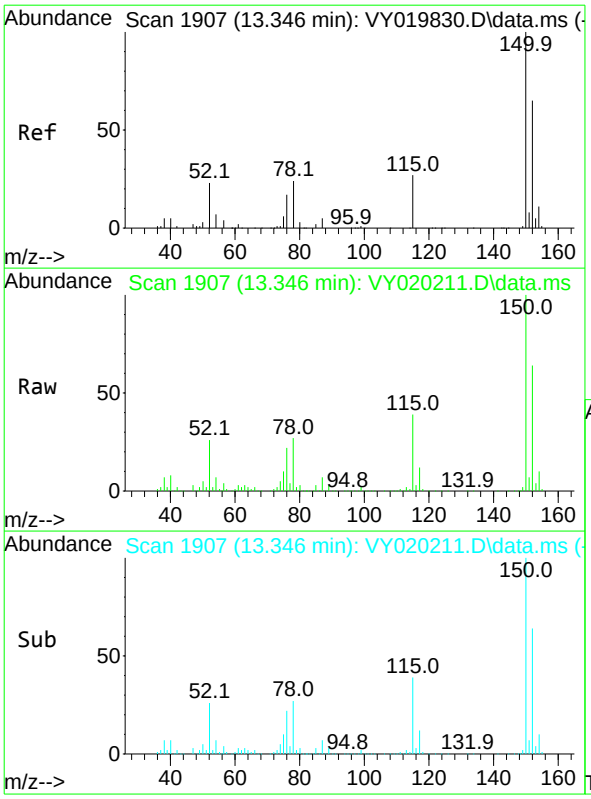


#64
Tetrachloroethene
Concen: 2.157 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. -0.012 min
Lab File: VY020211.D
Acq: 07 Nov 2024 16:54

Tgt Ion:164 Resp: 5015

Ion	Ratio	Lower	Upper
164	100		
166	131.4	102.6	154.0
129	98.8	72.0	108.0
131	110.3	70.0	105.0#



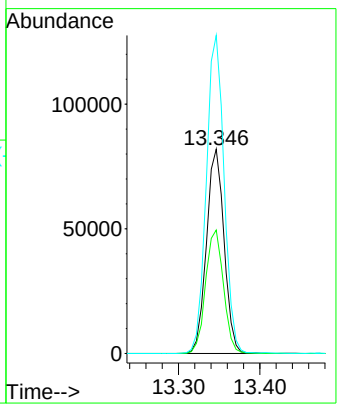


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020211.D
Acq: 07 Nov 2024 16:54

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(3)

Tgt Ion:152 Resp: 123426

Ion	Ratio	Lower	Upper
152	100		
115	61.2	28.2	84.7
150	157.0	0.0	345.6



Sample Results: **VY020211.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020211.D
Acq On : 07 Nov 2024 16:54
Operator : SY/MD
Sample : P4722-21
Misc : 12.07g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(3)

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

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

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

Signal : TIC: VY020211.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	465	475	485	rBV4	11853	37423	2.88%	0.557%
2	7.634	957	970	976	rBV	184759	445580	34.34%	6.632%
3	7.707	976	982	995	rVB	253110	588121	45.33%	8.753%
4	8.061	1028	1040	1051	rBV2	181604	407850	31.43%	6.070%
5	8.616	1119	1131	1148	rBV	484385	944175	72.77%	14.053%
6	10.103	1366	1375	1384	rBV	761268	1297462	100.00%	19.311%
7	10.646	1458	1464	1472	rVB2	28792	47903	3.69%	0.713%
8	11.414	1582	1590	1601	rBV	736732	1189912	91.71%	17.710%
9	12.401	1745	1752	1763	rBV	509013	815938	62.89%	12.144%
10	13.346	1900	1907	1916	rVB	546996	848811	65.42%	12.633%
11	13.883	1989	1995	2002	rBV	59166	95683	7.37%	1.424%

Sum of corrected areas: 6718858

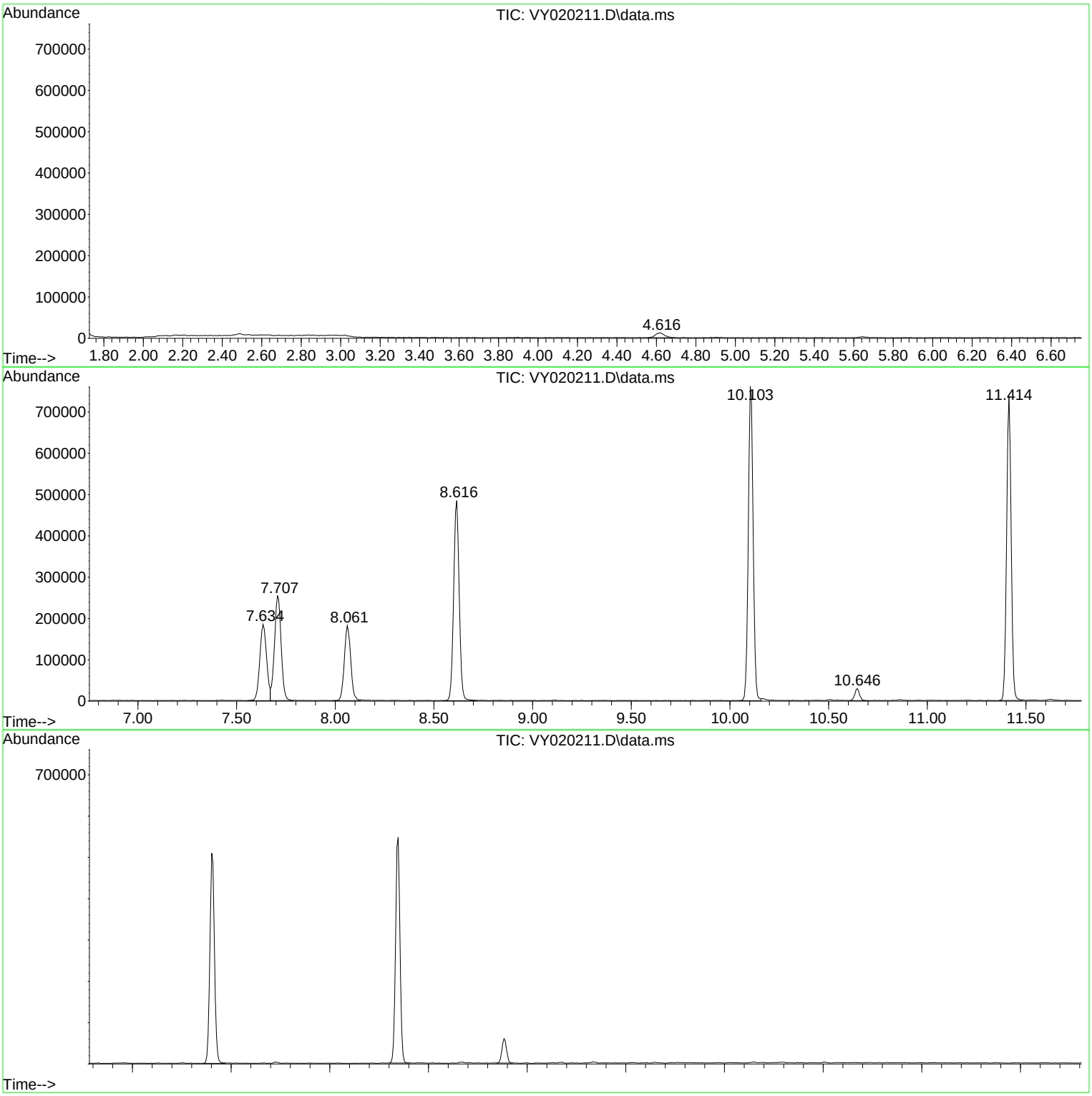
Sample Results: **VY020211.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020211.D
Acq On : 07 Nov 2024 16:54
Operator : SY/MD
Sample : P4722-21
Misc : 12.07g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(3)

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

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



Sample Results: **VY020211.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020211.D
Acq On : 07 Nov 2024 16:54
Operator : SY/MD
Sample : P4722-21
Misc : 12.07g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(3)

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020211.D
Acq On : 07 Nov 2024 16:54
Operator : SY/MD
Sample : P4722-21
Misc : 12.07g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-3(3)

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

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

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

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

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	$\overline{RRF}$	% 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.

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

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	$\overline{RRF}$	% 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.

Response Factor Report GCVOA_Y

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
63)	I	Chlorobenzene-d5	----------ISTD----------							
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
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
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

Quantitation Report (QT Reviewed)

ICAL Form

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

ICAL Form

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

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

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

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

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

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

ICAL Form

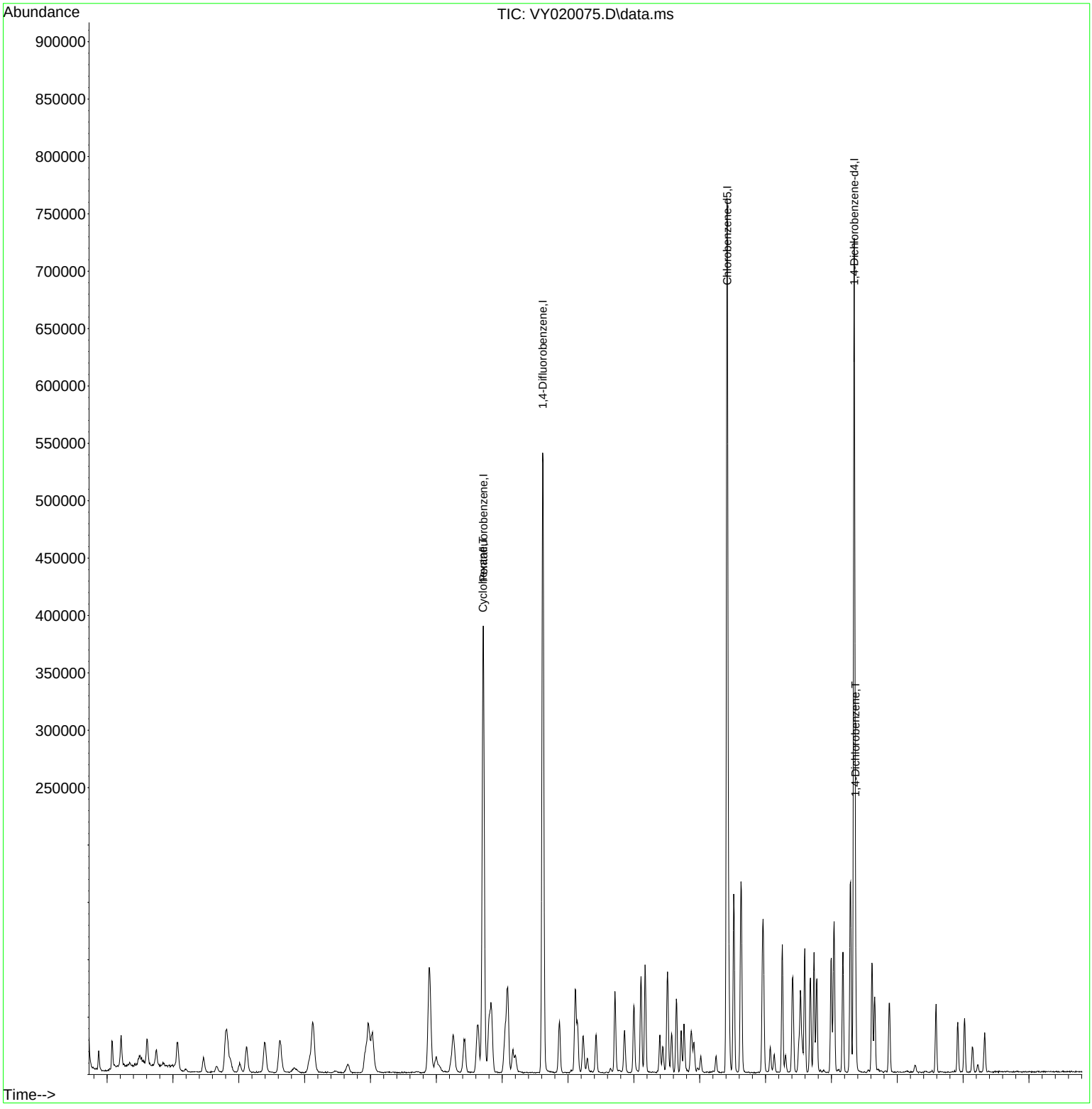
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

ICAL Form

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

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

Manual Integrations APPROVED

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

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

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

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

ICAL Form

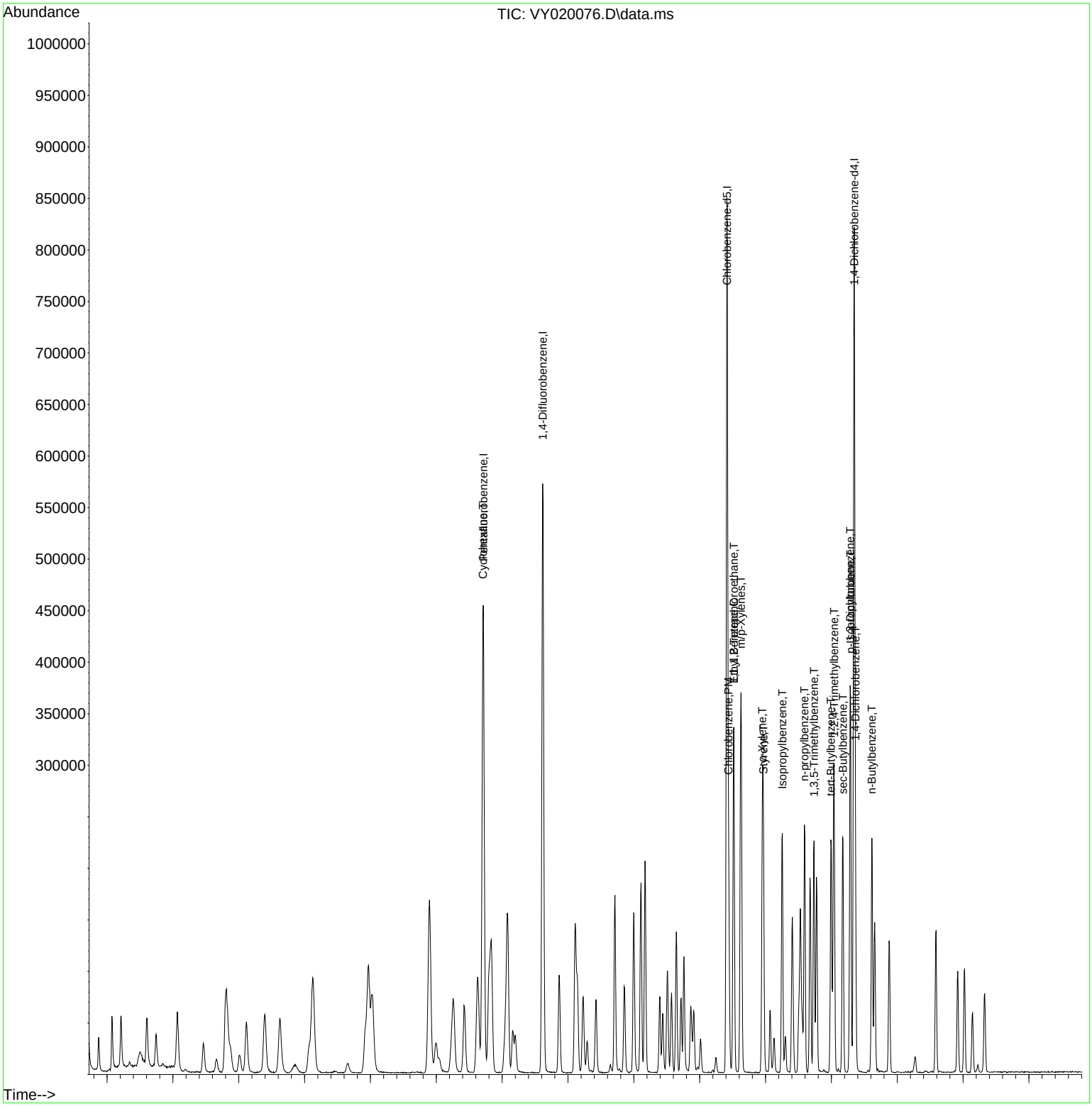
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

ICAL Form

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

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

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

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

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

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

ICAL Form

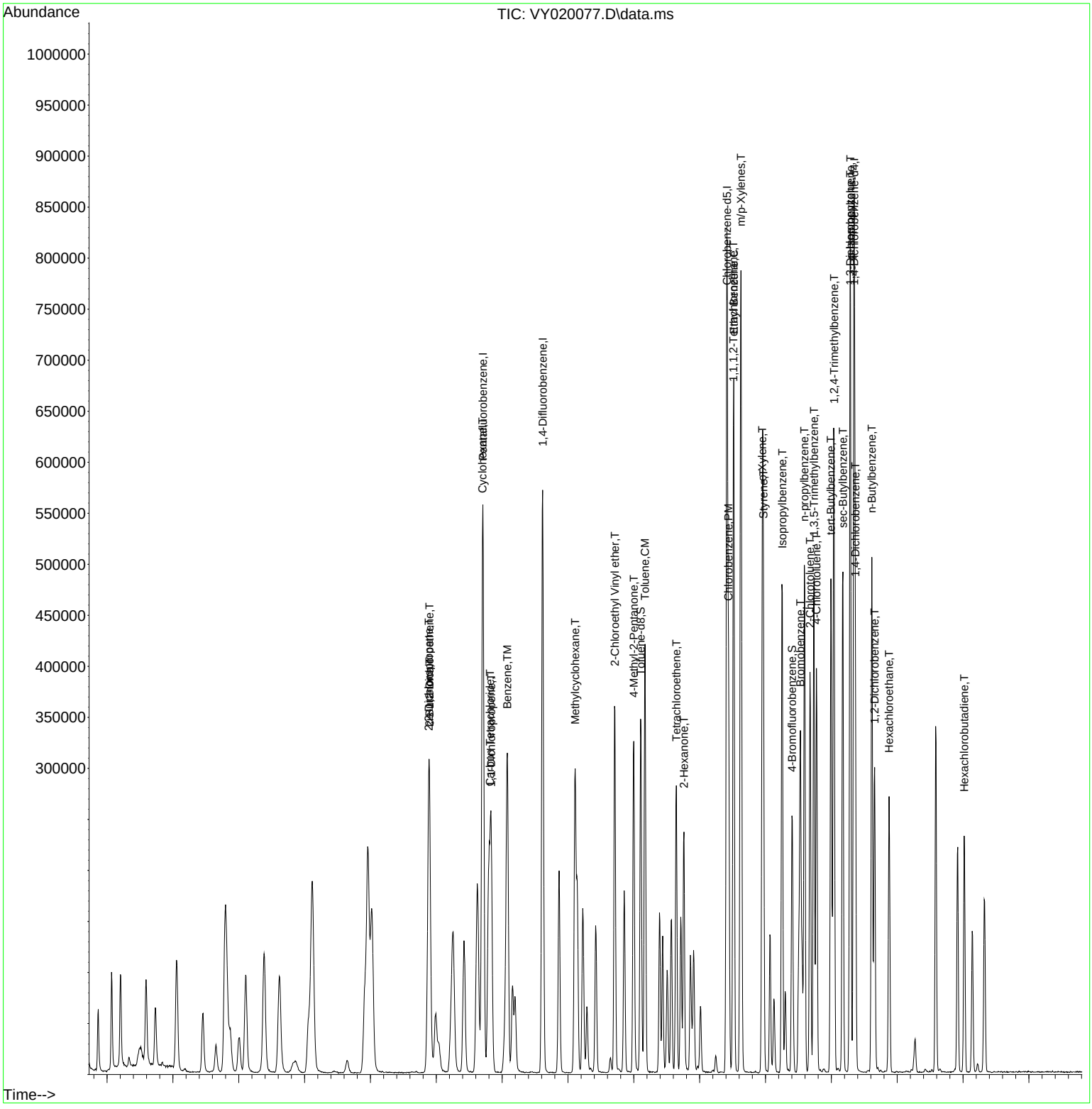
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020077.D
Acq On : 30 Oct 2024 13:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

ICAL Form

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-amyl 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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

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

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

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

ICAL Form

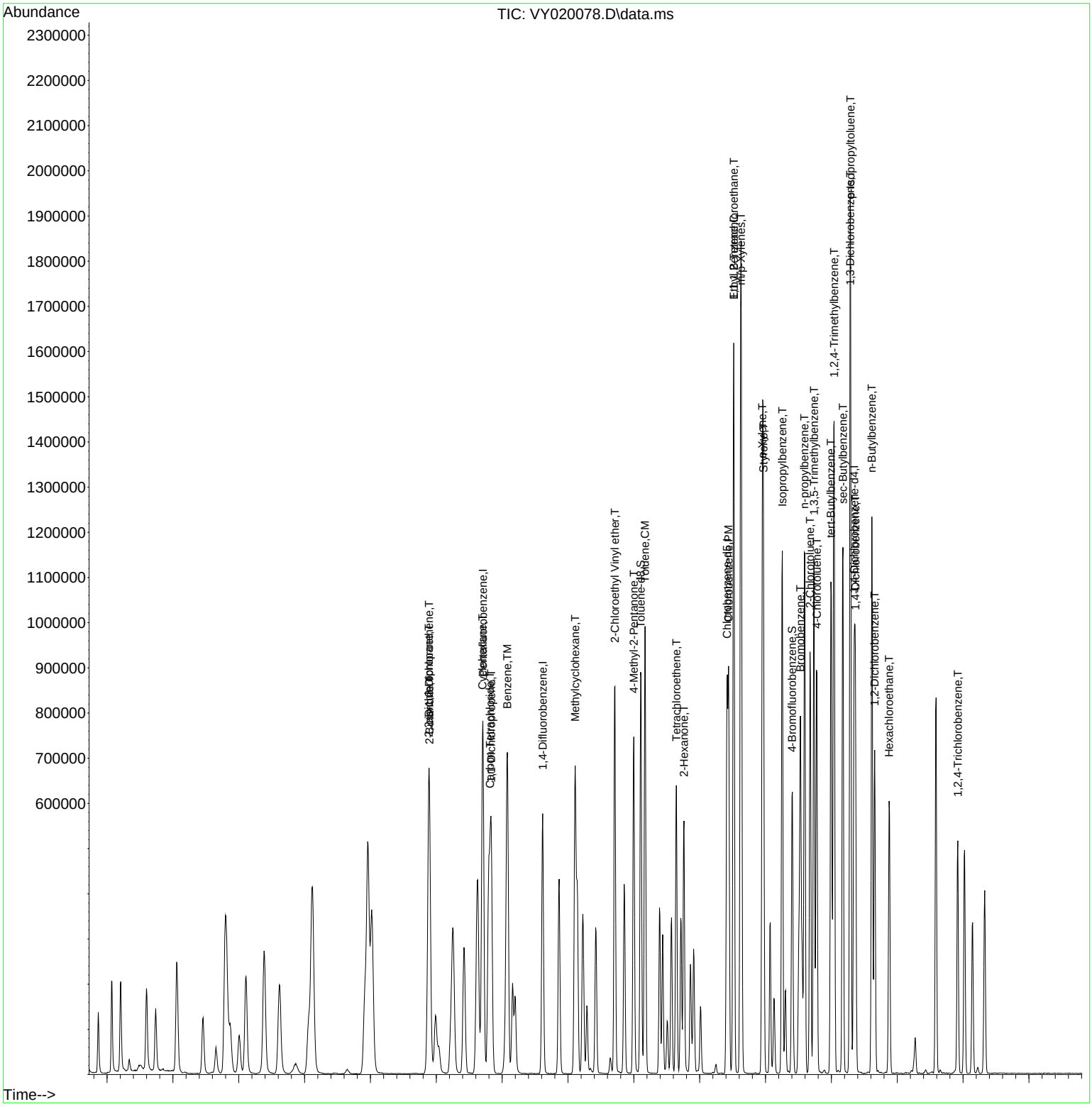
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

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

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

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

ICAL Form

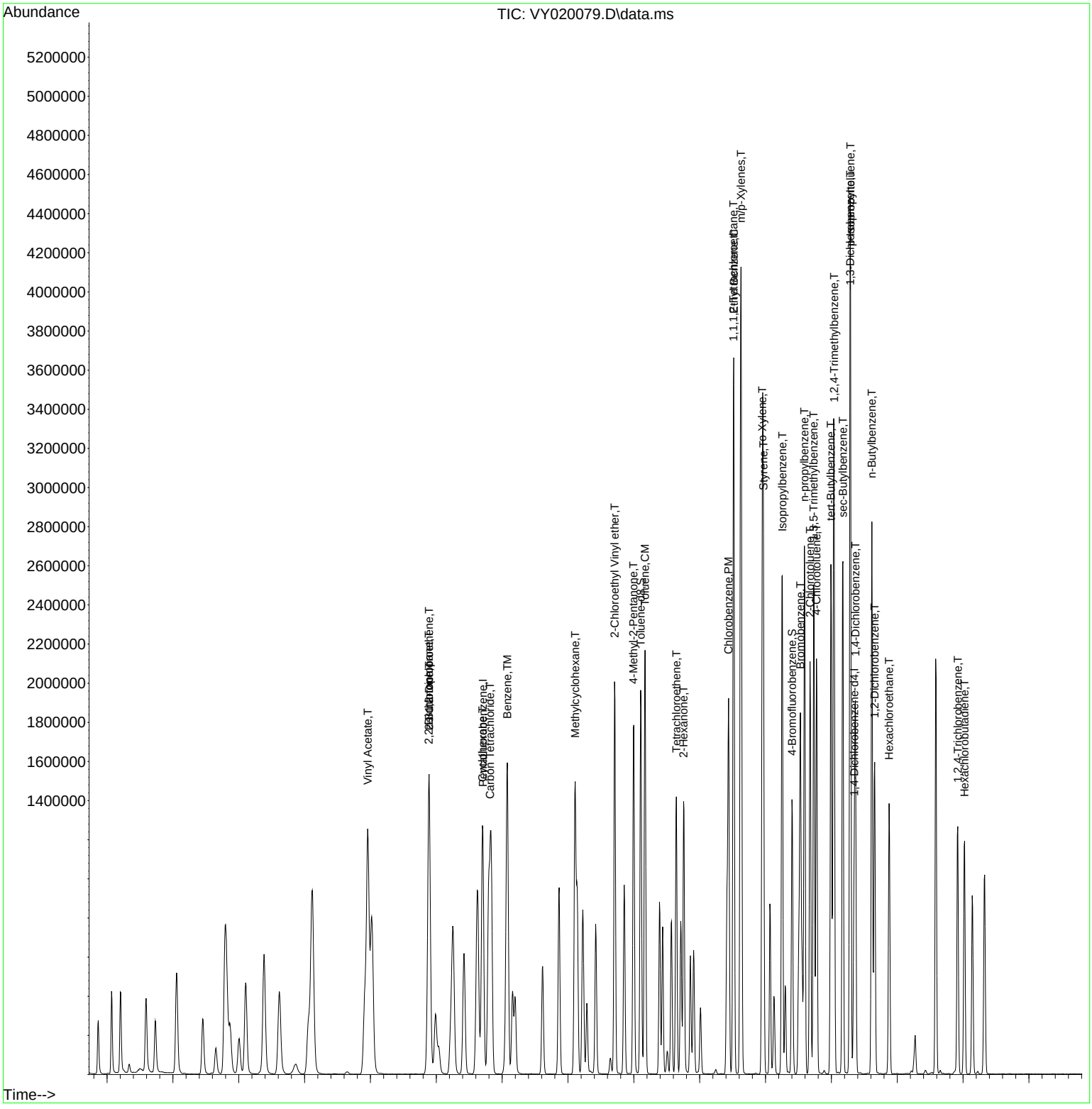
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

ICAL Form

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

ICAL Form

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

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

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

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

ICAL Form

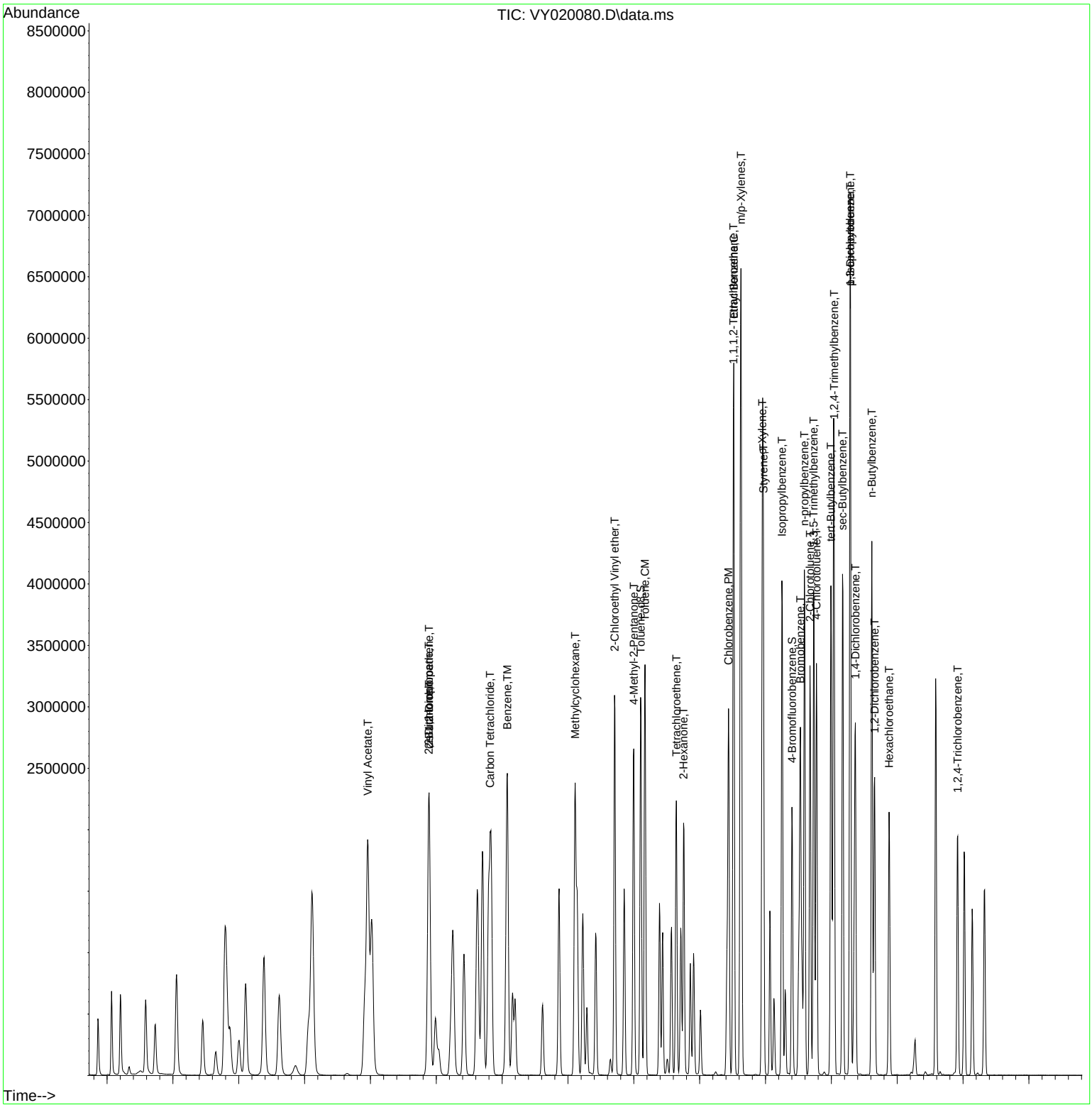
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	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

ICAL Form

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

Manual Integrations APPROVED

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

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

ICAL Form

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)

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

ICAL Form

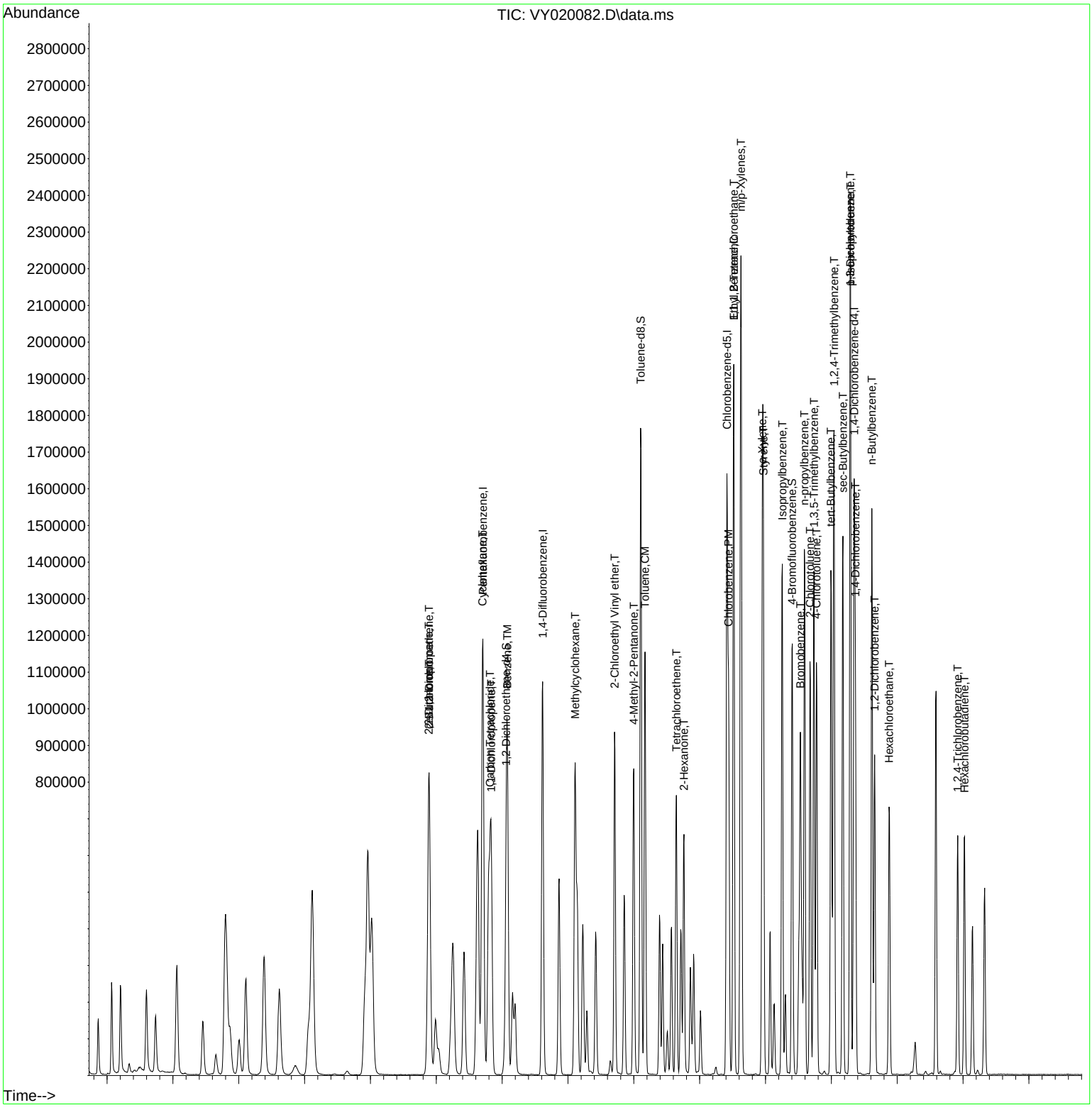
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

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

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Manual Integrations APPROVED

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



Evaluate Continuing Calibration Report

ICAL Form

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)
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

ICAL Form

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)
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

ICAL Form

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

Evaluate Continuing Calibration Report

ICAL Form

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

ICAL Form

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

ICAL Form

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

Raw Data: **VY020196.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date/Time: 11/07/2024 10:27

Lab File ID: VY020196.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	0.423		-8.64	20
Chloromethane	0.767	0.852	0.1	11.08	20
Vinyl Chloride	0.823	0.900		9.36	20
Bromomethane	0.546	0.606		10.99	20
Chloroethane	0.531	0.598		12.62	20
Trichlorofluoromethane	1.005	1.058		5.27	20
1,1,2-Trichlorotrifluoroethane	0.564	0.594		5.32	20
1,1-Dichloroethene	0.540	0.561		3.89	20
Acetone	0.145	0.174		20	20
Carbon Disulfide	1.796	1.821		1.39	20
Methyl tert-butyl Ether	1.357	1.514		11.57	20
Methyl Acetate	0.340	0.370		8.82	20
Methylene Chloride	0.652	0.639		-1.99	20
trans-1,2-Dichloroethene	0.609	0.650		6.73	20
1,1-Dichloroethane	1.170	1.292	0.1	10.43	20
Cyclohexane	1.132	1.113		-1.68	20
2-Butanone	0.197	0.224		13.71	20
Carbon Tetrachloride	0.494	0.543		9.92	20
cis-1,2-Dichloroethene	0.700	0.773		10.43	20
Bromochloromethane	0.548	0.557		1.64	20
Chloroform	1.161	1.286		10.77	20
1,1,1-Trichloroethane	1.013	1.115		10.07	20
Methylcyclohexane	0.623	0.646		3.69	20
Benzene	1.433	1.588		10.82	20
1,2-Dichloroethane	0.397	0.446		12.34	20
Trichloroethene	0.332	0.359		8.13	20
1,2-Dichloropropane	0.343	0.388		13.12	20
Bromodichloromethane	0.487	0.550		12.94	20
4-Methyl-2-Pentanone	0.232	0.265		14.22	20
Toluene	0.884	0.985		11.43	20
t-1,3-Dichloropropene	0.430	0.500		16.28	20
cis-1,3-Dichloropropene	0.513	0.595		15.98	20
1,1,2-Trichloroethane	0.231	0.264		14.29	20
2-Hexanone	0.166	0.195		17.47	20
Dibromochloromethane	0.295	0.339		14.91	20
1,2-Dibromoethane	0.215	0.239		11.16	20
Tetrachloroethene	0.330	0.366		10.91	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.

Raw Data: **VY020196.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date/Time: 11/07/2024 10:27

Lab File ID: VY020196.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	2.235		12.2	20
m/p-Xylenes	0.729	0.825		13.17	20
o-Xylene	0.690	0.788		14.2	20
Styrene	1.141	1.335		17	20
Bromoform	0.175	0.204	0.1	16.57	20
Isopropylbenzene	3.994	4.361		9.19	20
1,1,2,2-Tetrachloroethane	0.699	0.750	0.3	7.3	20
1,3-Dichlorobenzene	1.641	1.834		11.76	20
1,4-Dichlorobenzene	1.634	1.787		9.36	20
1,2-Dichlorobenzene	1.426	1.588		11.36	20
1,2-Dibromo-3-Chloropropane	0.106	0.116		9.43	20
1,2,4-Trichlorobenzene	0.766	0.830		8.35	20
1,2,3-Trichlorobenzene	0.650	0.689		6	20
1,2-Dichloroethane-d4	0.624	0.663		6.25	20
Dibromofluoromethane	0.318	0.343		7.86	20
Toluene-d8	1.265	1.320		4.35	20
4-Bromofluorobenzene	0.411	0.446		8.52	20

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

Sample Results: **VY020196.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020196.D
Acq On : 07 Nov 2024 10:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 00:24:06 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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	221675	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.616	114	394769	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	345161	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	165809	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	146936	53.110	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.220%				
35) Dibromofluoromethane	7.634	113	135404	53.948	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.900%				
50) Toluene-d8	10.103	98	521163	52.165	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.320%				
62) 4-Bromofluorobenzene	12.408	95	176143	54.280	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 108.560%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	93765	45.694	ug/l		95
3) Chloromethane	2.068	50	188801	55.547	ug/l		99
4) Vinyl Chloride	2.202	62	199602	54.702	ug/l		98
5) Bromomethane	2.599	94	134338	55.453	ug/l		98
6) Chloroethane	2.739	64	132646	56.328	ug/l		99
7) Trichlorofluoromethane	3.062	101	234578	52.625	ug/l		99
8) Diethyl Ether	3.458	74	68891	55.412	ug/l		74
9) 1,1,2-Trichlorotrifluo...	3.818	101	131696	52.674	ug/l		90
10) Methyl Iodide	4.007	142	135363	56.078	ug/l	#	89
11) Tert butyl alcohol	4.885	59	43837	220.279	ug/l	#	82
12) 1,1-Dichloroethene	3.787	96	124380	51.995	ug/l	#	77
13) Acrolein	3.653	56	44996	181.632	ug/l		99
14) Allyl chloride	4.385	41	234668	54.373	ug/l	#	90
15) Acrylonitrile	5.061	53	157410	278.145	ug/l		98
16) Acetone	3.879	43	192850	299.737	ug/l	#	85
17) Carbon Disulfide	4.104	76	403740	50.716	ug/l		100
18) Methyl Acetate	4.391	43	81988	54.312	ug/l		90
19) Methyl tert-butyl Ether	5.122	73	335657	55.774	ug/l		97
20) Methylene Chloride	4.616	84	141750	49.044	ug/l	#	80
21) trans-1,2-Dichloroethene	5.122	96	144117	53.420	ug/l	#	83
22) Diisopropyl ether	6.019	45	513833	57.371	ug/l	#	90
23) Vinyl Acetate	5.964	43	1435242	284.751	ug/l	#	90
24) 1,1-Dichloroethane	5.921	63	286319	55.210	ug/l		97
25) 2-Butanone	6.897	43	247856	284.189	ug/l	#	88
26) 2,2-Dichloropropane	6.884	77	237218	54.976	ug/l		95
27) cis-1,2-Dichloroethene	6.890	96	171375	55.260	ug/l		83
28) Bromochloromethane	7.244	49	123522	50.866	ug/l	#	72
29) Tetrahydrofuran	7.262	42	139630	277.417	ug/l	#	82
30) Chloroform	7.427	83	285049	55.390	ug/l		96
31) Cyclohexane	7.701	56	246642	49.125	ug/l		89
32) 1,1,1-Trichloroethane	7.622	97	247123	55.002	ug/l		95
36) 1,1-Dichloropropene	7.835	75	208280	53.718	ug/l		94
37) Ethyl Acetate	6.988	43	99517	53.835	ug/l		94
38) Carbon Tetrachloride	7.817	117	214519	55.020	ug/l		99
39) Methylcyclohexane	9.110	83	255101	51.840	ug/l	#	84
40) Benzene	8.079	78	626759	55.382	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020196.D
Acq On : 07 Nov 2024 10:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 00:24:06 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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	56063	60.543 ug/l #	84
42) 1,2-Dichloroethane	8.159	62	175947	56.167 ug/l	94
43) Isopropyl Acetate	8.201	43	196478	55.273 ug/l #	76
44) Trichloroethene	8.866	130	141830	54.073 ug/l	88
45) 1,2-Dichloropropane	9.140	63	153088	56.539 ug/l	97
46) Dibromomethane	9.231	93	82013	55.901 ug/l	88
47) Bromodichloromethane	9.427	83	217302	56.538 ug/l	99
48) Methyl methacrylate	9.219	41	95319	57.891 ug/l #	81
49) 1,4-Dioxane	9.238	88	16991	1124.882 ug/l #	80
51) 4-Methyl-2-Pentanone	10.000	43	524044	286.109 ug/l	89
52) Toluene	10.170	92	388956	55.755 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	197293	58.131 ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	234798	57.961 ug/l #	86
55) 1,1,2-Trichloroethane	10.573	97	104153	57.097 ug/l	96
56) Ethyl methacrylate	10.439	69	153963	58.840 ug/l #	73
57) 1,3-Dichloropropane	10.719	76	185493	55.528 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	365361	283.127 ug/l	92
59) 2-Hexanone	10.762	43	385799	293.799 ug/l	87
60) Dibromochloromethane	10.914	129	133943	57.604 ug/l	99
61) 1,2-Dibromoethane	11.012	107	94299	55.642 ug/l	98
64) Tetrachloroethene	10.646	164	126336	55.435 ug/l	93
65) Chlorobenzene	11.438	112	411887	56.004 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	136311	58.011 ug/l	99
67) Ethyl Benzene	11.518	91	771543	56.120 ug/l	98
68) m/p-Xylenes	11.627	106	569697	113.261 ug/l	91
69) o-Xylene	11.957	106	272102	57.138 ug/l	94
70) Styrene	11.969	104	460803	58.523 ug/l	95
71) Bromoform	12.133	173	70544	58.521 ug/l #	98
73) Isopropylbenzene	12.255	105	723134	54.594 ug/l	98
74) N-amyl acetate	12.072	43	187143	56.521 ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	124371	53.689 ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	91595m	58.931 ug/l	
77) Bromobenzene	12.530	156	149597	55.845 ug/l	83
78) n-propylbenzene	12.597	91	913889	55.438 ug/l	96
79) 2-Chlorotoluene	12.682	91	506302	55.330 ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	594404	55.897 ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	41114	56.897 ug/l #	86
82) 4-Chlorotoluene	12.780	91	527890	56.580 ug/l	93
83) tert-Butylbenzene	12.999	119	525344	56.496 ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	587232	55.753 ug/l	98
85) sec-Butylbenzene	13.176	105	790152	55.352 ug/l	97
86) p-Isopropyltoluene	13.292	119	639400	55.817 ug/l	96
87) 1,3-Dichlorobenzene	13.286	146	304145	55.889 ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	296351	54.683 ug/l	97
89) n-Butylbenzene	13.621	91	641711	55.882 ug/l	98
90) Hexachloroethane	13.883	117	124411	54.916 ug/l	86
91) 1,2-Dichlorobenzene	13.658	146	263244	55.651 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19294	54.920 ug/l	72
93) 1,2,4-Trichlorobenzene	14.919	180	137684	54.183 ug/l	97
94) Hexachlorobutadiene	15.023	225	76112	54.776 ug/l	99
95) Naphthalene	15.145	128	266543	56.114 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	114162	52.926 ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020196.D
Acq On : 07 Nov 2024 10:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 00:24:06 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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

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

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

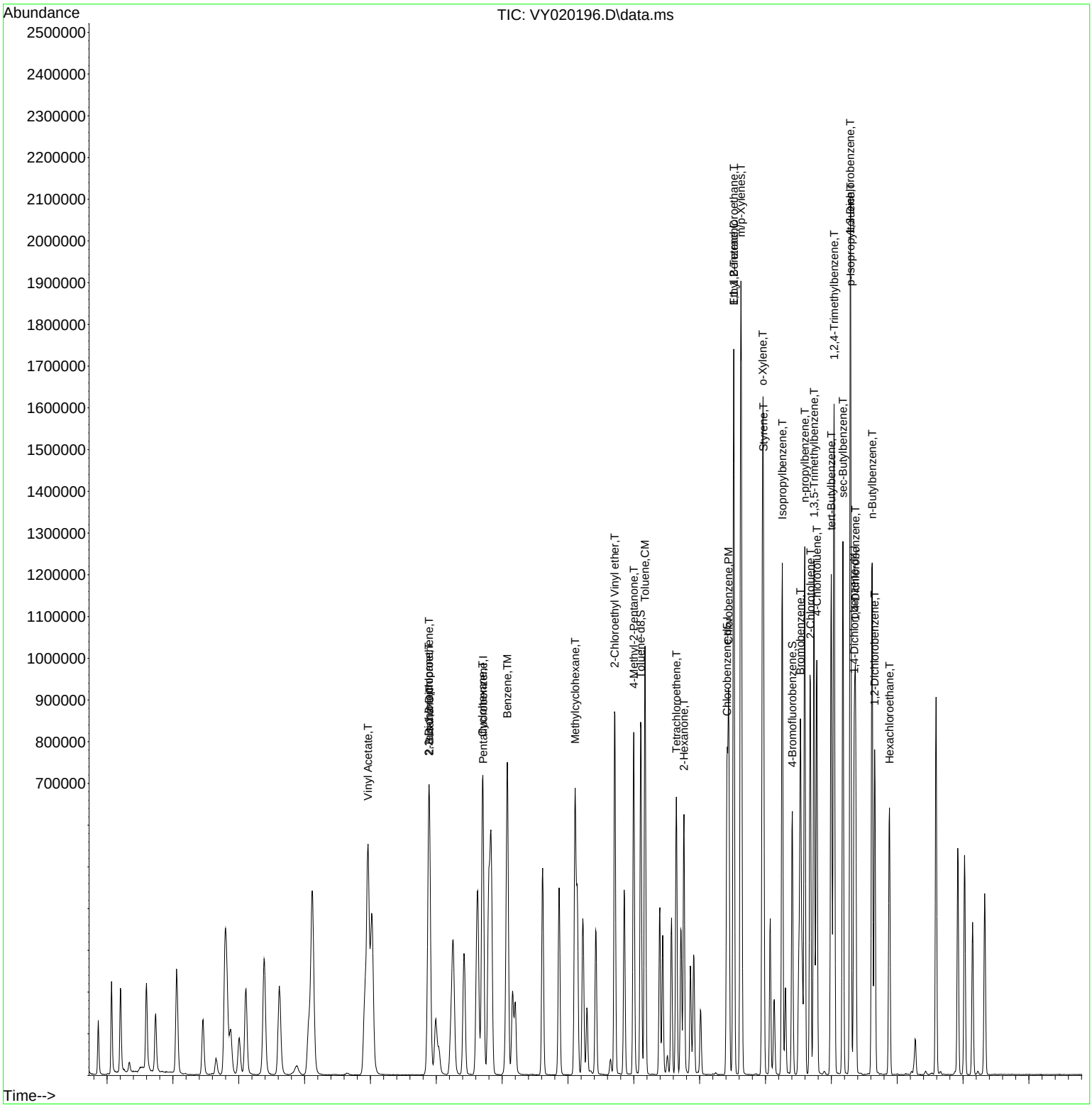
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020196.D
Acq On : 07 Nov 2024 10:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 00:24:06 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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024



Sample Results: **VY020196.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020196.D
Acq On : 07 Nov 2024 10:27
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 08 00:24:06 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

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	88	0.00
2	T	Dichlorodifluoromethane	0.463	0.423	8.6	97	0.00
3	P	Chloromethane	0.767	0.852	-11.1	109	0.00
4	C	Vinyl Chloride	0.823	0.900	-9.4#	105	0.00
5	T	Bromomethane	0.546	0.606	-11.0	111	0.00
6	T	Chloroethane	0.531	0.598	-12.6	108	0.00
7	T	Trichlorofluoromethane	1.005	1.058	-5.3	100	0.00
8	T	Diethyl Ether	0.280	0.311	-11.1	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.564	0.594	-5.3	102	0.00
10	T	Methyl Iodide	0.544	0.611	-12.3	104	0.00
11	T	Tert butyl alcohol	0.045	0.040	11.1	105	0.02
12	CM	1,1-Dichloroethene	0.540	0.561	-3.9#	100	0.00
13	T	Acrolein	0.056	0.041	26.8#	71	0.00
14	T	Allyl chloride	0.973	1.059	-8.8	101	0.00
15	T	Acrylonitrile	0.128	0.142	-10.9	106	0.00
16	T	Acetone	0.145	0.174	-20.0	109	0.00
17	T	Carbon Disulfide	1.796	1.821	-1.4	95	0.00
18	T	Methyl Acetate	0.340	0.370	-8.8	102	0.00
19	T	Methyl tert-butyl Ether	1.357	1.514	-11.6	107	0.00
20	T	Methylene Chloride	0.652	0.639	2.0	101	0.00
21	T	trans-1,2-Dichloroethene	0.609	0.650	-6.7	101	0.01
22	T	Diisopropyl ether	2.020	2.318	-14.8	107	0.00
23	T	Vinyl Acetate	1.137	1.295	-13.9	108	0.00
24	P	1,1-Dichloroethane	1.170	1.292	-10.4	106	0.00
25	T	2-Butanone	0.197	0.224	-13.7	109	0.00
26	T	2,2-Dichloropropane	0.973	1.070	-10.0	106	0.00
27	T	cis-1,2-Dichloroethene	0.700	0.773	-10.4	105	0.00
28	T	Bromochloromethane	0.548	0.557	-1.6	97	0.00
29	T	Tetrahydrofuran	0.114	0.126	-10.5	106	0.00
30	C	Chloroform	1.161	1.286	-10.8#	105	0.00
31	T	Cyclohexane	1.132	1.113	1.7	99	0.00
32	T	1,1,1-Trichloroethane	1.013	1.115	-10.1	103	0.00
33	S	1,2-Dichloroethane-d4	0.624	0.663	-6.3	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
35	S	Dibromofluoromethane	0.318	0.343	-7.9	99	0.00
36	T	1,1-Dichloropropene	0.491	0.528	-7.5	103	0.00
37	T	Ethyl Acetate	0.234	0.252	-7.7	105	0.00
38	T	Carbon Tetrachloride	0.494	0.543	-9.9	103	0.00
39	T	Methylcyclohexane	0.623	0.646	-3.7	98	0.00
40	TM	Benzene	1.433	1.588	-10.8	105	0.00
41	T	Methacrylonitrile	0.117	0.142	-21.4	105	0.00
42	TM	1,2-Dichloroethane	0.397	0.446	-12.3	107	0.00
43	T	Isopropyl Acetate	0.450	0.498	-10.7	106	0.00
44	TM	Trichloroethene	0.332	0.359	-8.1	103	0.00
45	C	1,2-Dichloropropane	0.343	0.388	-13.1#	107	0.00
46	T	Dibromomethane	0.186	0.208	-11.8	107	0.00
47	T	Bromodichloromethane	0.487	0.550	-12.9	107	0.00
48	T	Methyl methacrylate	0.209	0.241	-15.3	108	0.00

Sample Results: **VY020196.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020196.D
Acq On : 07 Nov 2024 10:27
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 08 00:24:06 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

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	108	0.00
50	S	Toluene-d8	1.265	1.320	-4.3	95	0.00
51	T	4-Methyl-2-Pentanone	0.232	0.265	-14.2	107	0.00
52	CM	Toluene	0.884	0.985	-11.4#	104	0.00
53	T	t-1,3-Dichloropropene	0.430	0.500	-16.3	110	0.00
54	T	cis-1,3-Dichloropropene	0.513	0.595	-16.0	108	0.00
55	T	1,1,2-Trichloroethane	0.231	0.264	-14.3	108	0.00
56	T	Ethyl methacrylate	0.331	0.390	-17.8	109	0.00
57	T	1,3-Dichloropropane	0.423	0.470	-11.1	105	0.00
58	T	2-Chloroethyl Vinyl ether	0.163	0.185	-13.5	102	0.00
59	T	2-Hexanone	0.166	0.195	-17.5	109	0.00
60	T	Dibromochloromethane	0.295	0.339	-14.9	109	0.00
61	T	1,2-Dibromoethane	0.215	0.239	-11.2	107	0.00
62	S	4-Bromofluorobenzene	0.411	0.446	-8.5	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
64	T	Tetrachloroethene	0.330	0.366	-10.9	105	0.00
65	PM	Chlorobenzene	1.065	1.193	-12.0	106	0.00
66	T	1,1,1,2-Tetrachloroethane	0.340	0.395	-16.2	110	0.00
67	C	Ethyl Benzene	1.992	2.235	-12.2#	105	0.00
68	T	m/p-Xylenes	0.729	0.825	-13.2	105	0.00
69	T	o-Xylene	0.690	0.788	-14.2	107	0.00
70	T	Styrene	1.141	1.335	-17.0	108	0.00
71	P	Bromoform	0.175	0.204	-16.6	110	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	3.994	4.361	-9.2	105	0.00
74	T	N-amyl acetate	0.998	1.129	-13.1	109	0.00
75	P	1,1,2,2-Tetrachloroethane	0.699	0.750	-7.3	106	0.00
76	T	1,2,3-Trichloropropane	0.469	0.552	-17.7	114	0.00
77	T	Bromobenzene	0.808	0.902	-11.6	107	0.00
78	T	n-propylbenzene	4.971	5.512	-10.9	106	0.00
79	T	2-Chlorotoluene	2.759	3.054	-10.7	107	0.00
80	T	1,3,5-Trimethylbenzene	3.207	3.585	-11.8	107	0.00
81	T	trans-1,4-Dichloro-2-butene	0.218	0.248	-13.8	111	0.00
82	T	4-Chlorotoluene	2.813	3.184	-13.2	108	0.00
83	T	tert-Butylbenzene	2.804	3.168	-13.0	105	0.00
84	T	1,2,4-Trimethylbenzene	3.176	3.542	-11.5	106	0.00
85	T	sec-Butylbenzene	4.305	4.765	-10.7	105	0.00
86	T	p-Isopropyltoluene	3.454	3.856	-11.6	105	0.00
87	T	1,3-Dichlorobenzene	1.641	1.834	-11.8	107	0.00
88	T	1,4-Dichlorobenzene	1.634	1.787	-9.4	106	0.00
89	T	n-Butylbenzene	3.463	3.870	-11.8	105	0.00
90	T	Hexachloroethane	0.683	0.750	-9.8	106	0.00
91	T	1,2-Dichlorobenzene	1.426	1.588	-11.4	107	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.106	0.116	-9.4	112	0.00
93	T	1,2,4-Trichlorobenzene	0.766	0.830	-8.4	106	0.00
94	T	Hexachlorobutadiene	0.419	0.459	-9.5	104	0.00
95	T	Naphthalene	1.432	1.608	-12.3	107	0.00

Sample Results: **VY020196.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020196.D
Acq On : 07 Nov 2024 10:27
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 08 00:24:06 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

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	0.689	-6.0	106	0.00

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

Sample Results: **VY020196.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020196.D
Acq On : 07 Nov 2024 10:27
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 08 00:24:06 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

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	88	0.00
2	T	Dichlorodifluoromethane	50.000	45.694	8.6	97	0.00
3	P	Chloromethane	50.000	55.547	-11.1	109	0.00
4	C	Vinyl Chloride	50.000	54.702	-9.4#	105	0.00
5	T	Bromomethane	50.000	55.453	-10.9	111	0.00
6	T	Chloroethane	50.000	56.328	-12.7	108	0.00
7	T	Trichlorofluoromethane	50.000	52.625	-5.3	100	0.00
8	T	Diethyl Ether	50.000	55.412	-10.8	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.674	-5.3	102	0.00
10	T	Methyl Iodide	50.000	56.078	-12.2	104	0.00
11	T	Tert butyl alcohol	250.000	220.279	11.9	105	0.02
12	CM	1,1-Dichloroethene	50.000	51.995	-4.0#	100	0.00
13	T	Acrolein	250.000	181.632	27.3#	71	0.00
14	T	Allyl chloride	50.000	54.373	-8.7	101	0.00
15	T	Acrylonitrile	250.000	278.145	-11.3	106	0.00
16	T	Acetone	250.000	299.737	-19.9	109	0.00
17	T	Carbon Disulfide	50.000	50.716	-1.4	95	0.00
18	T	Methyl Acetate	50.000	54.312	-8.6	102	0.00
19	T	Methyl tert-butyl Ether	50.000	55.774	-11.5	107	0.00
20	T	Methylene Chloride	50.000	49.044	1.9	101	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.420	-6.8	101	0.01
22	T	Diisopropyl ether	50.000	57.371	-14.7	107	0.00
23	T	Vinyl Acetate	250.000	284.751	-13.9	108	0.00
24	P	1,1-Dichloroethane	50.000	55.210	-10.4	106	0.00
25	T	2-Butanone	250.000	284.189	-13.7	109	0.00
26	T	2,2-Dichloropropane	50.000	54.976	-10.0	106	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.260	-10.5	105	0.00
28	T	Bromochloromethane	50.000	50.866	-1.7	97	0.00
29	T	Tetrahydrofuran	250.000	277.417	-11.0	106	0.00
30	C	Chloroform	50.000	55.390	-10.8#	105	0.00
31	T	Cyclohexane	50.000	49.125	1.8	99	0.00
32	T	1,1,1-Trichloroethane	50.000	55.002	-10.0	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.110	-6.2	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	88	0.00
35	S	Dibromofluoromethane	50.000	53.948	-7.9	99	0.00
36	T	1,1-Dichloropropene	50.000	53.718	-7.4	103	0.00
37	T	Ethyl Acetate	50.000	53.835	-7.7	105	0.00
38	T	Carbon Tetrachloride	50.000	55.020	-10.0	103	0.00
39	T	Methylcyclohexane	50.000	51.840	-3.7	98	0.00
40	TM	Benzene	50.000	55.382	-10.8	105	0.00
41	T	Methacrylonitrile	50.000	60.543	-21.1	105	0.00
42	TM	1,2-Dichloroethane	50.000	56.167	-12.3	107	0.00
43	T	Isopropyl Acetate	50.000	55.273	-10.5	106	0.00
44	TM	Trichloroethene	50.000	54.073	-8.1	103	0.00
45	C	1,2-Dichloropropane	50.000	56.539	-13.1#	107	0.00
46	T	Dibromomethane	50.000	55.901	-11.8	107	0.00
47	T	Bromodichloromethane	50.000	56.538	-13.1	107	0.00
48	T	Methyl methacrylate	50.000	57.891	-15.8	108	0.00

Sample Results: **VY020196.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020196.D
Acq On : 07 Nov 2024 10:27
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 08 00:24:06 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

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	1124.882	-12.5	108	0.00
50	S	Toluene-d8	50.000	52.165	-4.3	95	0.00
51	T	4-Methyl-2-Pentanone	250.000	286.109	-14.4	107	0.00
52	CM	Toluene	50.000	55.755	-11.5#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	58.131	-16.3	110	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.961	-15.9	108	0.00
55	T	1,1,2-Trichloroethane	50.000	57.097	-14.2	108	0.00
56	T	Ethyl methacrylate	50.000	58.840	-17.7	109	0.00
57	T	1,3-Dichloropropane	50.000	55.528	-11.1	105	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	283.127	-13.3	102	0.00
59	T	2-Hexanone	250.000	293.799	-17.5	109	0.00
60	T	Dibromochloromethane	50.000	57.604	-15.2	109	0.00
61	T	1,2-Dibromoethane	50.000	55.642	-11.3	107	0.00
62	S	4-Bromofluorobenzene	50.000	54.280	-8.6	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	88	0.00
64	T	Tetrachloroethene	50.000	55.435	-10.9	105	0.00
65	PM	Chlorobenzene	50.000	56.004	-12.0	106	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	58.011	-16.0	110	0.00
67	C	Ethyl Benzene	50.000	56.120	-12.2#	105	0.00
68	T	m/p-Xylenes	100.000	113.261	-13.3	105	0.00
69	T	o-Xylene	50.000	57.138	-14.3	107	0.00
70	T	Styrene	50.000	58.523	-17.0	108	0.00
71	P	Bromoform	50.000	58.521	-17.0	110	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	54.594	-9.2	105	0.00
74	T	N-amyl acetate	50.000	56.521	-13.0	109	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.689	-7.4	106	0.00
76	T	1,2,3-Trichloropropane	50.000	58.931	-17.9	114	0.00
77	T	Bromobenzene	50.000	55.845	-11.7	107	0.00
78	T	n-propylbenzene	50.000	55.438	-10.9	106	0.00
79	T	2-Chlorotoluene	50.000	55.330	-10.7	107	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.897	-11.8	107	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.897	-13.8	111	0.00
82	T	4-Chlorotoluene	50.000	56.580	-13.2	108	0.00
83	T	tert-Butylbenzene	50.000	56.496	-13.0	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.753	-11.5	106	0.00
85	T	sec-Butylbenzene	50.000	55.352	-10.7	105	0.00
86	T	p-Isopropyltoluene	50.000	55.817	-11.6	105	0.00
87	T	1,3-Dichlorobenzene	50.000	55.889	-11.8	107	0.00
88	T	1,4-Dichlorobenzene	50.000	54.683	-9.4	106	0.00
89	T	n-Butylbenzene	50.000	55.882	-11.8	105	0.00
90	T	Hexachloroethane	50.000	54.916	-9.8	106	0.00
91	T	1,2-Dichlorobenzene	50.000	55.651	-11.3	107	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.920	-9.8	112	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.183	-8.4	106	0.00
94	T	Hexachlorobutadiene	50.000	54.776	-9.6	104	0.00
95	T	Naphthalene	50.000	56.114	-12.2	107	0.00

Sample Results: **VY020196.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020196.D
Acq On : 07 Nov 2024 10:27
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 08 00:24:06 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

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	52.926	-5.9	106	0.00

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

Raw Data: **VY020221.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date/Time: 11/08/2024 09:33

Lab File ID: VY020221.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	0.412		-11.02	20
Chloromethane	0.767	0.758	0.1	-1.17	20
Vinyl Chloride	0.823	0.902		9.6	20
Bromomethane	0.546	0.575		5.31	20
Chloroethane	0.531	0.600		12.99	20
Trichlorofluoromethane	1.005	1.166		16.02	20
1,1,2-Trichlorotrifluoroethane	0.564	0.638		13.12	20
1,1-Dichloroethene	0.540	0.596		10.37	20
Acetone	0.145	0.177		22.07	20
Carbon Disulfide	1.796	1.901		5.85	20
Methyl tert-butyl Ether	1.357	1.510		11.27	20
Methyl Acetate	0.340	0.345		1.47	20
Methylene Chloride	0.652	0.630		-3.37	20
trans-1,2-Dichloroethene	0.609	0.682		11.99	20
1,1-Dichloroethane	1.170	1.333	0.1	13.93	20
Cyclohexane	1.132	1.185		4.68	20
2-Butanone	0.197	0.214		8.63	20
Carbon Tetrachloride	0.494	0.582		17.81	20
cis-1,2-Dichloroethene	0.700	0.800		14.29	20
Bromochloromethane	0.548	0.552		0.73	20
Chloroform	1.161	1.349		16.19	20
1,1,1-Trichloroethane	1.013	1.203		18.76	20
Methylcyclohexane	0.623	0.708		13.64	20
Benzene	1.433	1.608		12.21	20
1,2-Dichloroethane	0.397	0.432		8.82	20
Trichloroethene	0.332	0.376		13.25	20
1,2-Dichloropropane	0.343	0.385		12.24	20
Bromodichloromethane	0.487	0.557		14.37	20
4-Methyl-2-Pentanone	0.232	0.242		4.31	20
Toluene	0.884	1.030		16.52	20
t-1,3-Dichloropropene	0.430	0.481		11.86	20
cis-1,3-Dichloropropene	0.513	0.573		11.7	20
1,1,2-Trichloroethane	0.231	0.255		10.39	20
2-Hexanone	0.166	0.179		7.83	20
Dibromochloromethane	0.295	0.334		13.22	20
1,2-Dibromoethane	0.215	0.231		7.44	20
Tetrachloroethene	0.330	0.386		16.97	20
Chlorobenzene	1.065	1.227	0.3	15.21	20

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

Raw Data: **VY020221.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date/Time: 11/08/2024 09:33

Lab File ID: VY020221.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	2.350		17.97	20
m/p-Xylenes	0.729	0.859		17.83	20
o-Xylene	0.690	0.808		17.1	20
Styrene	1.141	1.371		20.16	20
Bromoform	0.175	0.201	0.1	14.86	20
Isopropylbenzene	3.994	4.721		18.2	20
1,1,2,2-Tetrachloroethane	0.699	0.726	0.3	3.86	20
1,3-Dichlorobenzene	1.641	1.877		14.38	20
1,4-Dichlorobenzene	1.634	1.830		11.99	20
1,2-Dichlorobenzene	1.426	1.635		14.66	20
1,2-Dibromo-3-Chloropropane	0.106	0.107		0.94	20
1,2,4-Trichlorobenzene	0.766	0.872		13.84	20
1,2,3-Trichlorobenzene	0.650	0.716		10.15	20
1,2-Dichloroethane-d4	0.624	0.603		-3.37	20
Dibromofluoromethane	0.318	0.309		-2.83	20
Toluene-d8	1.265	1.242		-1.82	20
4-Bromofluorobenzene	0.411	0.414		0.73	20

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

Sample Results: **VY020221.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020221.D
Acq On : 08 Nov 2024 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 22:13:46 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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	282936	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.616	114	514187	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	441792	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	208354	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	170730	48.349	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.700%				
35) Dibromofluoromethane	7.634	113	158906	48.607	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.220%				
50) Toluene-d8	10.109	98	638676	49.080	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.160%				
62) 4-Bromofluorobenzene	12.408	95	212924	50.375	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 100.760%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	116471	44.470	ug/l		98
3) Chloromethane	2.074	50	214336	49.406	ug/l		100
4) Vinyl Chloride	2.208	62	255160	54.787	ug/l		98
5) Bromomethane	2.605	94	162705	52.620	ug/l		100
6) Chloroethane	2.739	64	169854	56.511	ug/l		100
7) Trichlorofluoromethane	3.062	101	329903	57.985	ug/l		99
8) Diethyl Ether	3.458	74	86447	54.478	ug/l		79
9) 1,1,2-Trichlorotrifluo...	3.824	101	180374	56.524	ug/l		91
10) Methyl Iodide	4.013	142	183569	59.582	ug/l	#	89
11) Tert butyl alcohol	4.866	59	50365	198.285	ug/l	#	80
12) 1,1-Dichloroethene	3.800	96	168614	55.225	ug/l	#	83
13) Acrolein	3.659	56	48835	154.447	ug/l		96
14) Allyl chloride	4.391	41	307789	55.874	ug/l	#	88
15) Acrylonitrile	5.068	53	188399	260.823	ug/l		98
16) Acetone	3.873	43	249780	304.163	ug/l	#	83
17) Carbon Disulfide	4.110	76	537751	52.924	ug/l		99
18) Methyl Acetate	4.391	43	97476	50.590	ug/l		89
19) Methyl tert-butyl Ether	5.122	73	427110	55.604	ug/l		96
20) Methylene Chloride	4.623	84	178286	48.329	ug/l	#	81
21) trans-1,2-Dichloroethene	5.116	96	192870	56.012	ug/l		86
22) Diisopropyl ether	6.025	45	647348	56.629	ug/l	#	91
23) Vinyl Acetate	5.964	43	1765733	274.470	ug/l	#	92
24) 1,1-Dichloroethane	5.921	63	377275	56.997	ug/l		95
25) 2-Butanone	6.897	43	303075	272.262	ug/l	#	84
26) 2,2-Dichloropropane	6.890	77	324975	59.007	ug/l		95
27) cis-1,2-Dichloroethene	6.897	96	226405	57.198	ug/l		83
28) Bromochloromethane	7.250	49	156176	50.388	ug/l	#	72
29) Tetrahydrofuran	7.268	42	162798	253.415	ug/l	#	83
30) Chloroform	7.427	83	381684	58.109	ug/l		100
31) Cyclohexane	7.707	56	335257	52.317	ug/l		90
32) 1,1,1-Trichloroethane	7.622	97	340279	59.337	ug/l		94
36) 1,1-Dichloropropene	7.841	75	283342	56.106	ug/l		95
37) Ethyl Acetate	6.988	43	115117	47.811	ug/l		96
38) Carbon Tetrachloride	7.823	117	299317	58.940	ug/l		100
39) Methylcyclohexane	9.110	83	363997	56.790	ug/l	#	87
40) Benzene	8.085	78	826704	56.084	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020221.D
Acq On : 08 Nov 2024 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 22:13:46 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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	62552	51.862	ug/l		88
42) 1,2-Dichloroethane	8.165	62	222099	54.434	ug/l		94
43) Isopropyl Acetate	8.201	43	235938	50.958	ug/l	#	90
44) Trichloroethene	8.872	130	193232	56.560	ug/l		92
45) 1,2-Dichloropropane	9.146	63	197811	56.090	ug/l		98
46) Dibromomethane	9.232	93	103267	54.040	ug/l	#	88
47) Bromodichloromethane	9.427	83	286338	57.198	ug/l		98
48) Methyl methacrylate	9.225	41	112574	52.492	ug/l		83
49) 1,4-Dioxane	9.232	88	19760	1004.377	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.000	43	623100	261.182	ug/l		89
52) Toluene	10.176	92	529578	58.283	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	247078	55.892	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	294424	55.800	ug/l	#	82
55) 1,1,2-Trichloroethane	10.573	97	131342	55.280	ug/l		93
56) Ethyl methacrylate	10.439	69	187637	55.055	ug/l	#	75
57) 1,3-Dichloropropane	10.719	76	234009	53.782	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	417275	248.258	ug/l		95
59) 2-Hexanone	10.762	43	460134	269.027	ug/l		88
60) Dibromochloromethane	10.914	129	171955	56.776	ug/l		99
61) 1,2-Dibromoethane	11.018	107	118958	53.890	ug/l		98
64) Tetrachloroethene	10.646	164	170641	58.499	ug/l		92
65) Chlorobenzene	11.445	112	542227	57.601	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	176613	58.723	ug/l		99
67) Ethyl Benzene	11.524	91	1038130	58.995	ug/l		99
68) m/p-Xylenes	11.634	106	759082	117.904	ug/l		92
69) o-Xylene	11.957	106	356915	58.555	ug/l		91
70) Styrene	11.975	104	605480	60.078	ug/l		96
71) Bromoform	12.133	173	88914	57.627	ug/l	#	97
73) Isopropylbenzene	12.255	105	983635	59.097	ug/l		98
74) N-amyl acetate	12.072	43	222149	53.393	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.511	83	151184	51.937	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	97158m	49.746	ug/l		
77) Bromobenzene	12.536	156	189041	56.159	ug/l		84
78) n-propylbenzene	12.597	91	1218810	58.837	ug/l		97
79) 2-Chlorotoluene	12.682	91	670186	58.284	ug/l		93
80) 1,3,5-Trimethylbenzene	12.737	105	793961	59.417	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.310	75	49218	54.204	ug/l	#	84
82) 4-Chlorotoluene	12.780	91	681965	58.168	ug/l		95
83) tert-Butylbenzene	12.999	119	698165	59.751	ug/l		93
84) 1,2,4-Trimethylbenzene	13.048	105	788302	59.560	ug/l		96
85) sec-Butylbenzene	13.176	105	1067550	59.513	ug/l		98
86) p-Isopropyltoluene	13.298	119	862934	59.949	ug/l		95
87) 1,3-Dichlorobenzene	13.292	146	390996	57.177	ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	381333	55.996	ug/l		96
89) n-Butylbenzene	13.621	91	874275	60.589	ug/l		97
90) Hexachloroethane	13.883	117	168884	59.325	ug/l		84
91) 1,2-Dichlorobenzene	13.664	146	340686	57.316	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	22359	50.648	ug/l		75
93) 1,2,4-Trichlorobenzene	14.926	180	181764	56.924	ug/l		97
94) Hexachlorobutadiene	15.029	225	104158	59.654	ug/l		98
95) Naphthalene	15.151	128	335392	56.191	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	149150	55.027	ug/l		98

Sample Results: **VY020221.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020221.D
Acq On : 08 Nov 2024 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 22:13:46 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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

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

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

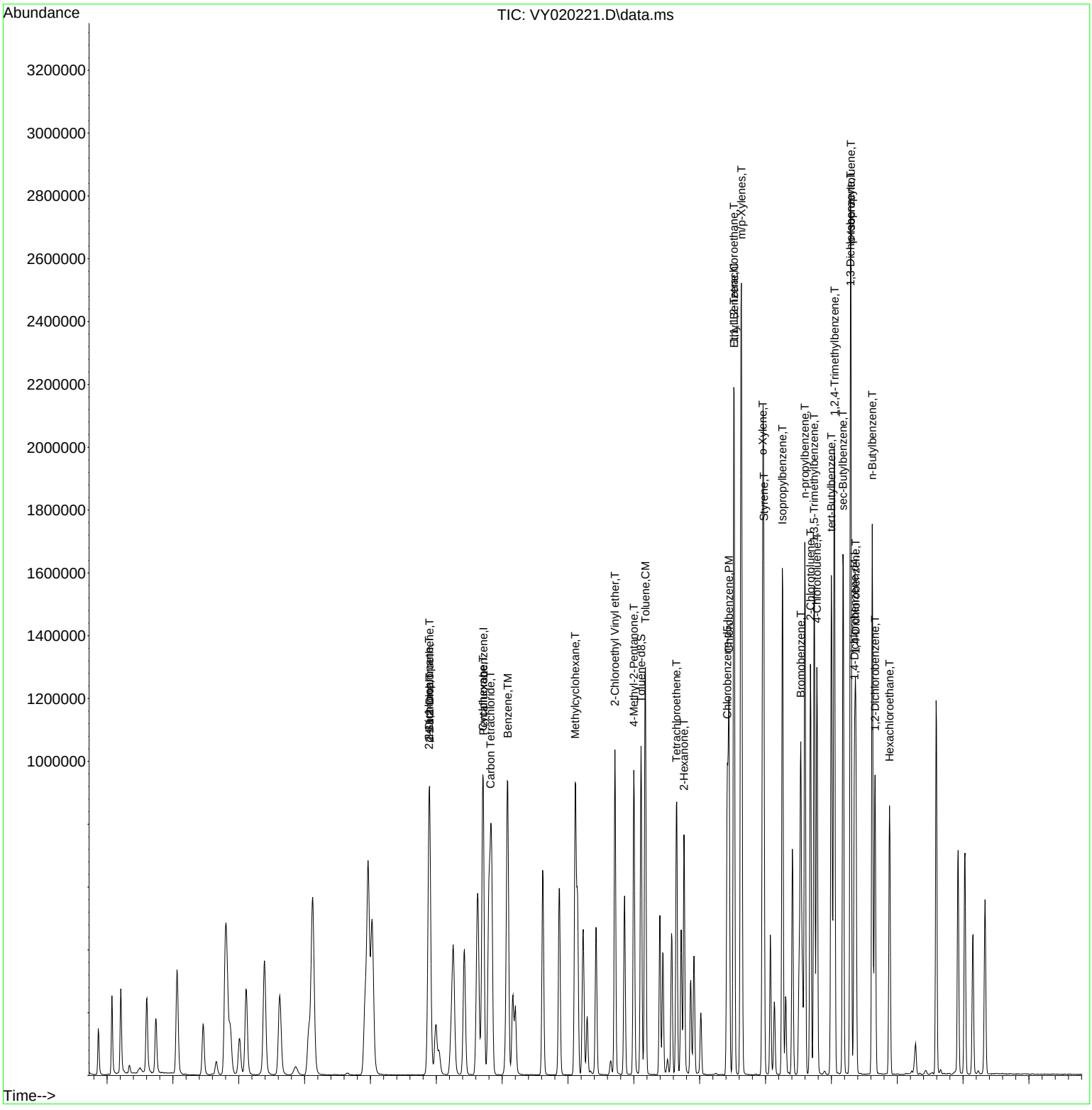
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020221.D
Acq On : 08 Nov 2024 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 22:13:46 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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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



Evaluate Continuing Calibration Report

Sample Results: **VY020221.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020221.D
Acq On : 08 Nov 2024 09:33
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 08 22:13:46 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	112	0.00
2	T	Dichlorodifluoromethane	0.463	0.412	11.0	121	0.00
3	P	Chloromethane	0.767	0.758	1.2	124	0.00
4	C	Vinyl Chloride	0.823	0.902	-9.6#	134	0.00
5	T	Bromomethane	0.546	0.575	-5.3	134	0.00
6	T	Chloroethane	0.531	0.600	-13.0	138	0.00
7	T	Trichlorofluoromethane	1.005	1.166	-16.0	141	0.00
8	T	Diethyl Ether	0.280	0.306	-9.3	136	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.564	0.638	-13.1	140	0.01
10	T	Methyl Iodide	0.544	0.649	-19.3	140	0.00
11	T	Tert butyl alcohol	0.045	0.036	20.0	121	0.00
12	CM	1,1-Dichloroethene	0.540	0.596	-10.4#	135	0.01
13	T	Acrolein	0.056	0.035	37.5#	78	0.00
14	T	Allyl chloride	0.973	1.088	-11.8	133	0.00
15	T	Acrylonitrile	0.128	0.133	-3.9	127	0.01
16	T	Acetone	0.145	0.177	-22.1	141	0.00
17	T	Carbon Disulfide	1.796	1.901	-5.8	127	0.00
18	T	Methyl Acetate	0.340	0.345	-1.5	121	0.00
19	T	Methyl tert-butyl Ether	1.357	1.510	-11.3	136	0.00
20	T	Methylene Chloride	0.652	0.630	3.4	127	0.00
21	T	trans-1,2-Dichloroethene	0.609	0.682	-12.0	135	0.00
22	T	Diisopropyl ether	2.020	2.288	-13.3	135	0.00
23	T	Vinyl Acetate	1.137	1.248	-9.8	132	0.00
24	P	1,1-Dichloroethane	1.170	1.333	-13.9	139	0.00
25	T	2-Butanone	0.197	0.214	-8.6	134	0.00
26	T	2,2-Dichloropropane	0.973	1.149	-18.1	146	0.00
27	T	cis-1,2-Dichloroethene	0.700	0.800	-14.3	138	0.00
28	T	Bromochloromethane	0.548	0.552	-0.7	122	0.00
29	T	Tetrahydrofuran	0.114	0.115	-0.9	124	0.00
30	C	Chloroform	1.161	1.349	-16.2#	141	0.00
31	T	Cyclohexane	1.132	1.185	-4.7	134	0.00
32	T	1,1,1-Trichloroethane	1.013	1.203	-18.8	141	0.00
33	S	1,2-Dichloroethane-d4	0.624	0.603	3.4	115	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	115	0.00
35	S	Dibromofluoromethane	0.318	0.309	2.8	116	0.00
36	T	1,1-Dichloropropene	0.491	0.551	-12.2	140	0.00
37	T	Ethyl Acetate	0.234	0.224	4.3	122	0.00
38	T	Carbon Tetrachloride	0.494	0.582	-17.8	144	0.00
39	T	Methylcyclohexane	0.623	0.708	-13.6	140	0.00
40	TM	Benzene	1.433	1.608	-12.2	139	0.00
41	T	Methacrylonitrile	0.117	0.122	-4.3	117	0.00
42	TM	1,2-Dichloroethane	0.397	0.432	-8.8	136	0.00
43	T	Isopropyl Acetate	0.450	0.459	-2.0	128	0.00
44	TM	Trichloroethene	0.332	0.376	-13.3	140	0.00
45	C	1,2-Dichloropropane	0.343	0.385	-12.2#	138	0.00
46	T	Dibromomethane	0.186	0.201	-8.1	134	0.00
47	T	Bromodichloromethane	0.487	0.557	-14.4	141	0.00
48	T	Methyl methacrylate	0.209	0.219	-4.8	127	0.00

Sample Results: **VY020221.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020221.D
Acq On : 08 Nov 2024 09:33
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 08 22:13:46 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	126	0.00
50	S	Toluene-d8	1.265	1.242	1.8	116	0.00
51	T	4-Methyl-2-Pentanone	0.232	0.242	-4.3	127	0.00
52	CM	Toluene	0.884	1.030	-16.5#	142	0.00
53	T	t-1,3-Dichloropropene	0.430	0.481	-11.9	137	0.00
54	T	cis-1,3-Dichloropropene	0.513	0.573	-11.7	136	0.00
55	T	1,1,2-Trichloroethane	0.231	0.255	-10.4	136	0.00
56	T	Ethyl methacrylate	0.331	0.365	-10.3	133	0.00
57	T	1,3-Dichloropropane	0.423	0.455	-7.6	133	0.00
58	T	2-Chloroethyl Vinyl ether	0.163	0.162	0.6	116	0.00
59	T	2-Hexanone	0.166	0.179	-7.8	130	0.00
60	T	Dibromochloromethane	0.295	0.334	-13.2	141	0.00
61	T	1,2-Dibromoethane	0.215	0.231	-7.4	136	0.00
62	S	4-Bromofluorobenzene	0.411	0.414	-0.7	119	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	113	0.00
64	T	Tetrachloroethene	0.330	0.386	-17.0	142	0.00
65	PM	Chlorobenzene	1.065	1.227	-15.2	140	0.00
66	T	1,1,1,2-Tetrachloroethane	0.340	0.400	-17.6	142	0.00
67	C	Ethyl Benzene	1.992	2.350	-18.0#	142	0.00
68	T	m/p-Xylenes	0.729	0.859	-17.8	140	0.00
69	T	o-Xylene	0.690	0.808	-17.1	141	0.00
70	T	Styrene	1.141	1.371	-20.2	142	0.00
71	P	Bromoform	0.175	0.201	-14.9	138	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
73	T	Isopropylbenzene	3.994	4.721	-18.2	142	0.00
74	T	N-amyl acetate	0.998	1.066	-6.8	129	0.00
75	P	1,1,2,2-Tetrachloroethane	0.699	0.726	-3.9	129	0.00
76	T	1,2,3-Trichloropropane	0.469	0.466	0.6	121	0.00
77	T	Bromobenzene	0.808	0.907	-12.3	136	0.00
78	T	n-propylbenzene	4.971	5.850	-17.7	142	0.00
79	T	2-Chlorotoluene	2.759	3.217	-16.6	142	0.00
80	T	1,3,5-Trimethylbenzene	3.207	3.811	-18.8	142	0.00
81	T	trans-1,4-Dichloro-2-butene	0.218	0.236	-8.3	133	0.00
82	T	4-Chlorotoluene	2.813	3.273	-16.4	139	0.00
83	T	tert-Butylbenzene	2.804	3.351	-19.5	140	0.00
84	T	1,2,4-Trimethylbenzene	3.176	3.783	-19.1	143	0.00
85	T	sec-Butylbenzene	4.305	5.124	-19.0	142	0.00
86	T	p-Isopropyltoluene	3.454	4.142	-19.9	142	0.00
87	T	1,3-Dichlorobenzene	1.641	1.877	-14.4	138	0.00
88	T	1,4-Dichlorobenzene	1.634	1.830	-12.0	137	0.00
89	T	n-Butylbenzene	3.463	4.196	-21.2	143	0.00
90	T	Hexachloroethane	0.683	0.811	-18.7	143	0.00
91	T	1,2-Dichlorobenzene	1.426	1.635	-14.7	139	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.106	0.107	-0.9	130	0.00
93	T	1,2,4-Trichlorobenzene	0.766	0.872	-13.8	140	0.00
94	T	Hexachlorobutadiene	0.419	0.500	-19.3	143	0.00
95	T	Naphthalene	1.432	1.610	-12.4	135	0.00

Sample Results: **VY020221.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020221.D
Acq On : 08 Nov 2024 09:33
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 08 22:13:46 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	0.716	-10.2	138	0.00

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

Sample Results: **VY020221.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020221.D
Acq On : 08 Nov 2024 09:33
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 08 22:13:46 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	112	0.00
2	T	Dichlorodifluoromethane	50.000	44.470	11.1	121	0.00
3	P	Chloromethane	50.000	49.406	1.2	124	0.00
4	C	Vinyl Chloride	50.000	54.787	-9.6#	134	0.00
5	T	Bromomethane	50.000	52.620	-5.2	134	0.00
6	T	Chloroethane	50.000	56.511	-13.0	138	0.00
7	T	Trichlorofluoromethane	50.000	57.985	-16.0	141	0.00
8	T	Diethyl Ether	50.000	54.478	-9.0	136	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	56.524	-13.0	140	0.01
10	T	Methyl Iodide	50.000	59.582	-19.2	140	0.00
11	T	Tert butyl alcohol	250.000	198.285	20.7	121	0.00
12	CM	1,1-Dichloroethene	50.000	55.225	-10.5#	135	0.01
13	T	Acrolein	250.000	154.447	38.2#	78	0.00
14	T	Allyl chloride	50.000	55.874	-11.7	133	0.00
15	T	Acrylonitrile	250.000	260.823	-4.3	127	0.01
16	T	Acetone	250.000	304.163	-21.7	141	0.00
17	T	Carbon Disulfide	50.000	52.924	-5.8	127	0.00
18	T	Methyl Acetate	50.000	50.590	-1.2	121	0.00
19	T	Methyl tert-butyl Ether	50.000	55.604	-11.2	136	0.00
20	T	Methylene Chloride	50.000	48.329	3.3	127	0.00
21	T	trans-1,2-Dichloroethene	50.000	56.012	-12.0	135	0.00
22	T	Diisopropyl ether	50.000	56.629	-13.3	135	0.00
23	T	Vinyl Acetate	250.000	274.470	-9.8	132	0.00
24	P	1,1-Dichloroethane	50.000	56.997	-14.0	139	0.00
25	T	2-Butanone	250.000	272.262	-8.9	134	0.00
26	T	2,2-Dichloropropane	50.000	59.007	-18.0	146	0.00
27	T	cis-1,2-Dichloroethene	50.000	57.198	-14.4	138	0.00
28	T	Bromochloromethane	50.000	50.388	-0.8	122	0.00
29	T	Tetrahydrofuran	250.000	253.415	-1.4	124	0.00
30	C	Chloroform	50.000	58.109	-16.2#	141	0.00
31	T	Cyclohexane	50.000	52.317	-4.6	134	0.00
32	T	1,1,1-Trichloroethane	50.000	59.337	-18.7	141	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.349	3.3	115	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	115	0.00
35	S	Dibromofluoromethane	50.000	48.607	2.8	116	0.00
36	T	1,1-Dichloropropene	50.000	56.106	-12.2	140	0.00
37	T	Ethyl Acetate	50.000	47.811	4.4	122	0.00
38	T	Carbon Tetrachloride	50.000	58.940	-17.9	144	0.00
39	T	Methylcyclohexane	50.000	56.790	-13.6	140	0.00
40	TM	Benzene	50.000	56.084	-12.2	139	0.00
41	T	Methacrylonitrile	50.000	51.862	-3.7	117	0.00
42	TM	1,2-Dichloroethane	50.000	54.434	-8.9	136	0.00
43	T	Isopropyl Acetate	50.000	50.958	-1.9	128	0.00
44	TM	Trichloroethene	50.000	56.560	-13.1	140	0.00
45	C	1,2-Dichloropropane	50.000	56.090	-12.2#	138	0.00
46	T	Dibromomethane	50.000	54.040	-8.1	134	0.00
47	T	Bromodichloromethane	50.000	57.198	-14.4	141	0.00
48	T	Methyl methacrylate	50.000	52.492	-5.0	127	0.00

Sample Results: **VY020221.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020221.D
Acq On : 08 Nov 2024 09:33
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 08 22:13:46 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	1004.377	-0.4	126	0.00
50	S	Toluene-d8	50.000	49.080	1.8	116	0.00
51	T	4-Methyl-2-Pentanone	250.000	261.182	-4.5	127	0.00
52	CM	Toluene	50.000	58.283	-16.6#	142	0.00
53	T	t-1,3-Dichloropropene	50.000	55.892	-11.8	137	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.800	-11.6	136	0.00
55	T	1,1,2-Trichloroethane	50.000	55.280	-10.6	136	0.00
56	T	Ethyl methacrylate	50.000	55.055	-10.1	133	0.00
57	T	1,3-Dichloropropane	50.000	53.782	-7.6	133	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	248.258	0.7	116	0.00
59	T	2-Hexanone	250.000	269.027	-7.6	130	0.00
60	T	Dibromochloromethane	50.000	56.776	-13.6	141	0.00
61	T	1,2-Dibromoethane	50.000	53.890	-7.8	136	0.00
62	S	4-Bromofluorobenzene	50.000	50.375	-0.8	119	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	113	0.00
64	T	Tetrachloroethene	50.000	58.499	-17.0	142	0.00
65	PM	Chlorobenzene	50.000	57.601	-15.2	140	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	58.723	-17.4	142	0.00
67	C	Ethyl Benzene	50.000	58.995	-18.0#	142	0.00
68	T	m/p-Xylenes	100.000	117.904	-17.9	140	0.00
69	T	o-Xylene	50.000	58.555	-17.1	141	0.00
70	T	Styrene	50.000	60.078	-20.2	142	0.00
71	P	Bromoform	50.000	57.627	-15.3	138	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	111	0.00
73	T	Isopropylbenzene	50.000	59.097	-18.2	142	0.00
74	T	N-amyl acetate	50.000	53.393	-6.8	129	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.937	-3.9	129	0.00
76	T	1,2,3-Trichloropropane	50.000	49.746	0.5	121	0.00
77	T	Bromobenzene	50.000	56.159	-12.3	136	0.00
78	T	n-propylbenzene	50.000	58.837	-17.7	142	0.00
79	T	2-Chlorotoluene	50.000	58.284	-16.6	142	0.00
80	T	1,3,5-Trimethylbenzene	50.000	59.417	-18.8	142	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.204	-8.4	133	0.00
82	T	4-Chlorotoluene	50.000	58.168	-16.3	139	0.00
83	T	tert-Butylbenzene	50.000	59.751	-19.5	140	0.00
84	T	1,2,4-Trimethylbenzene	50.000	59.560	-19.1	143	0.00
85	T	sec-Butylbenzene	50.000	59.513	-19.0	142	0.00
86	T	p-Isopropyltoluene	50.000	59.949	-19.9	142	0.00
87	T	1,3-Dichlorobenzene	50.000	57.177	-14.4	138	0.00
88	T	1,4-Dichlorobenzene	50.000	55.996	-12.0	137	0.00
89	T	n-Butylbenzene	50.000	60.589	-21.2	143	0.00
90	T	Hexachloroethane	50.000	59.325	-18.7	143	0.00
91	T	1,2-Dichlorobenzene	50.000	57.316	-14.6	139	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.648	-1.3	130	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.924	-13.8	140	0.00
94	T	Hexachlorobutadiene	50.000	59.654	-19.3	143	0.00
95	T	Naphthalene	50.000	56.191	-12.4	135	0.00

Sample Results: **VY020221.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020221.D
Acq On : 08 Nov 2024 09:33
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 08 22:13:46 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	55.027	-10.1	138	0.00

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

QC SAMPLE DATA

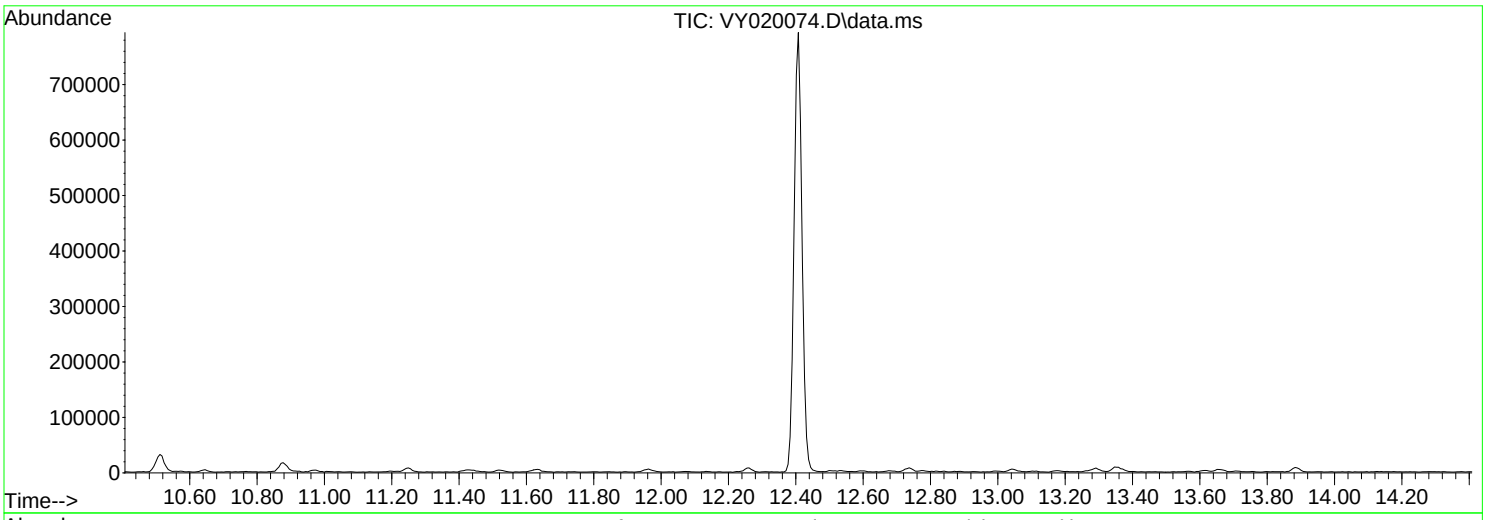
Sample Results: **VY020074.D**

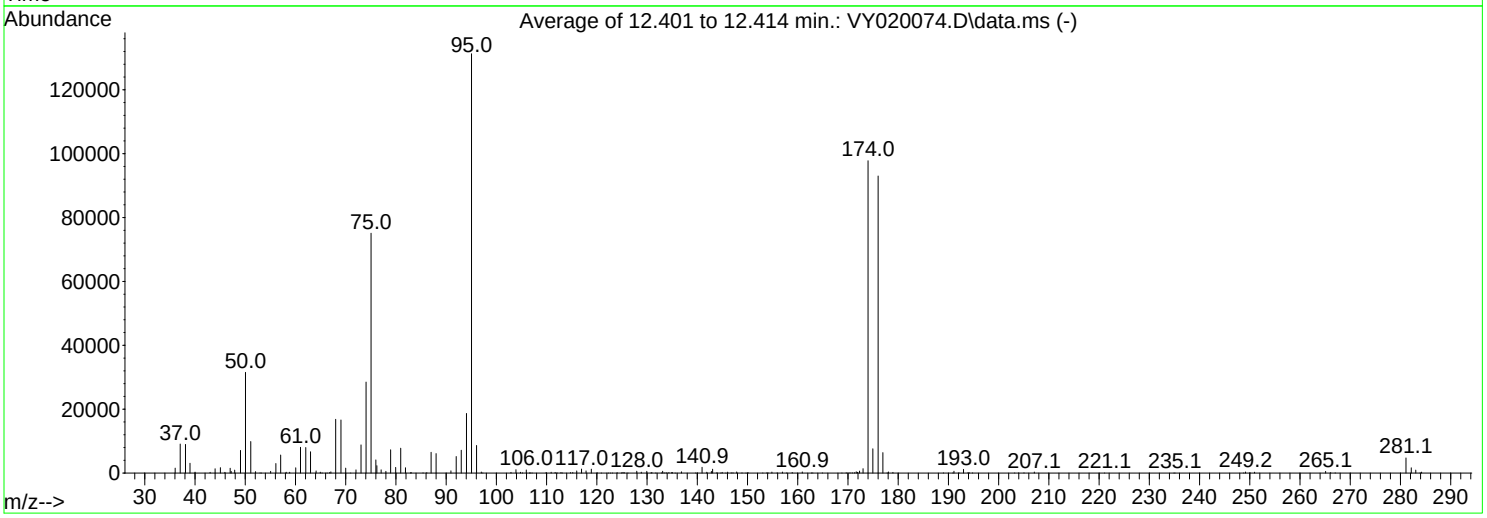
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020074.D
Acq On : 30 Oct 2024 12:07
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

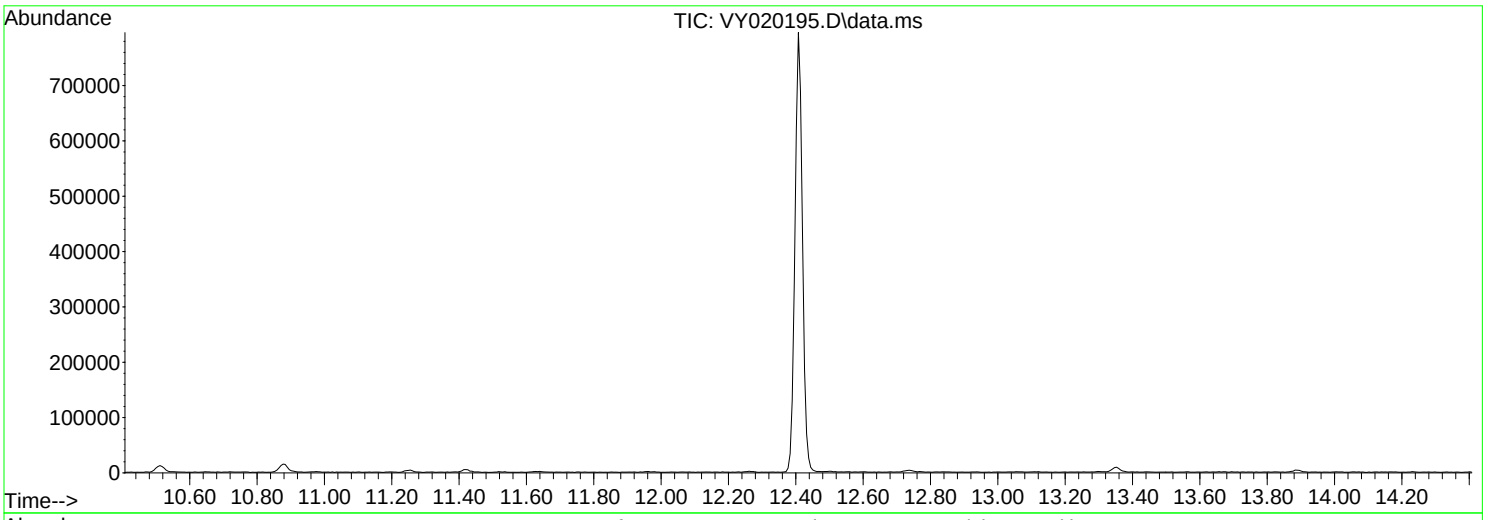
Sample Results: **VY020195.D**

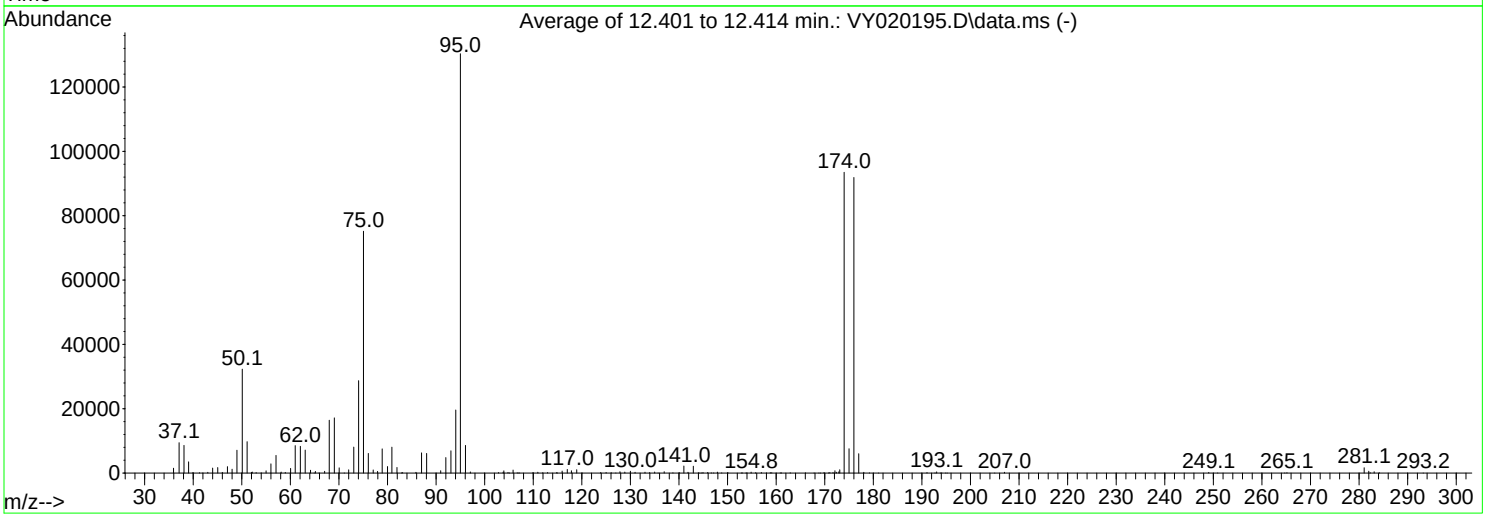
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020195.D
Acq On : 07 Nov 2024 08:36
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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	24.8	32296	PASS
75	95	30	60	57.7	75171	PASS
95	95	100	100	100.0	130347	PASS
96	95	5	9	6.6	8592	PASS
173	174	0.00	2	1.1	1033	PASS
174	95	50	100	71.7	93501	PASS
175	174	5	9	8.1	7571	PASS
176	174	95	101	98.3	91885	PASS
177	176	5	9	6.5	6014	PASS

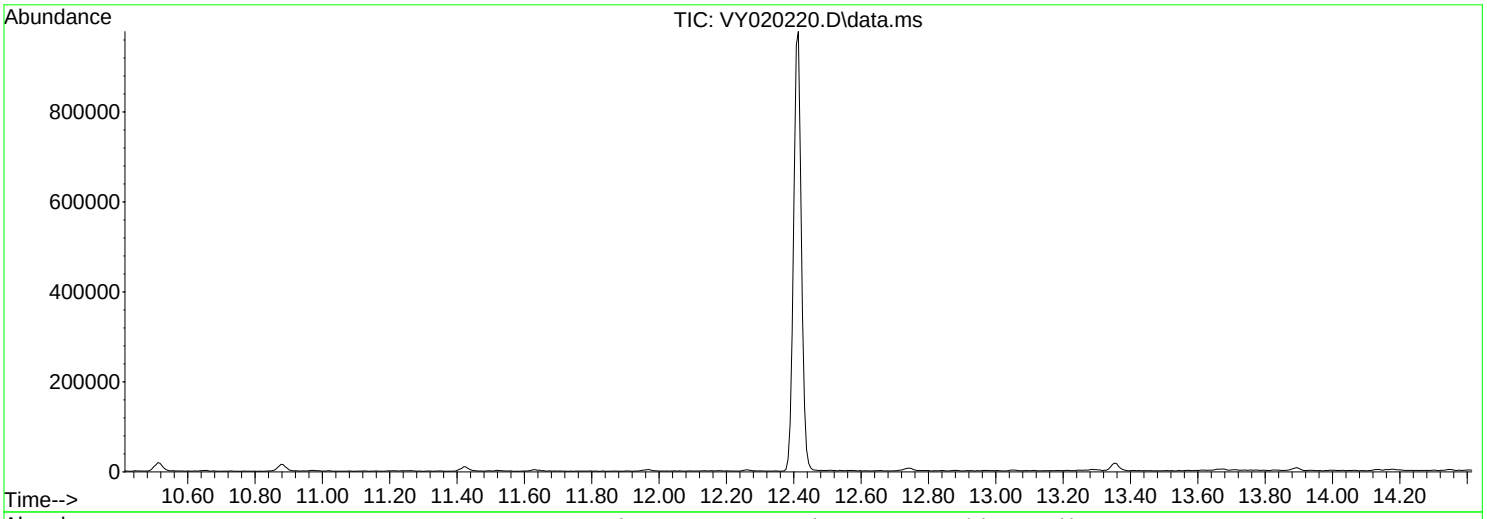
Sample Results: **VY020220.D**

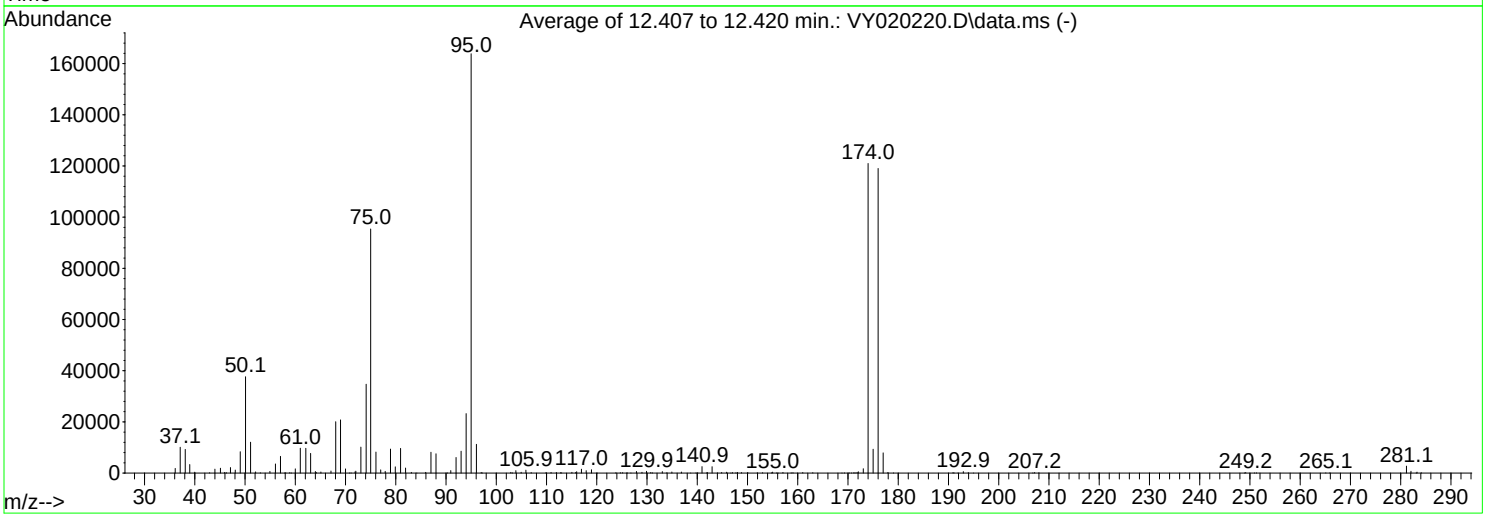
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020220.D
Acq On : 08 Nov 2024 08:45
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

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





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.0	37640	PASS
75	95	30	60	58.2	95379	PASS
95	95	100	100	100.0	163861	PASS
96	95	5	9	6.9	11236	PASS
173	174	0.00	2	1.4	1705	PASS
174	95	50	100	73.8	120981	PASS
175	174	5	9	7.7	9331	PASS
176	174	95	101	98.4	119035	PASS
177	176	5	9	6.6	7891	PASS

Raw Data: **VY020197.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	P4722
Lab Sample ID:	VY1107SBL01	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
VY020197.D	1		11/07/24 11:19	VY110724

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	P4722
Lab Sample ID:	VY1107SBL01	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
VY020197.D	1		11/07/24 11:19	VY110724

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	55.0		50 - 163	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.4		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		29 - 146	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	168000	7.713			
540-36-3	1,4-Difluorobenzene	343000	8.616			
3114-55-4	Chlorobenzene-d5	313000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.347			

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	P4722
Lab Sample ID:	VY1107SBL01	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
VY020197.D	1		11/07/24 11:19	VY110724

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\VY110724\
Data File : VY020197.D
Acq On : 07 Nov 2024 11:19
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Time: Nov 08 00:25:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

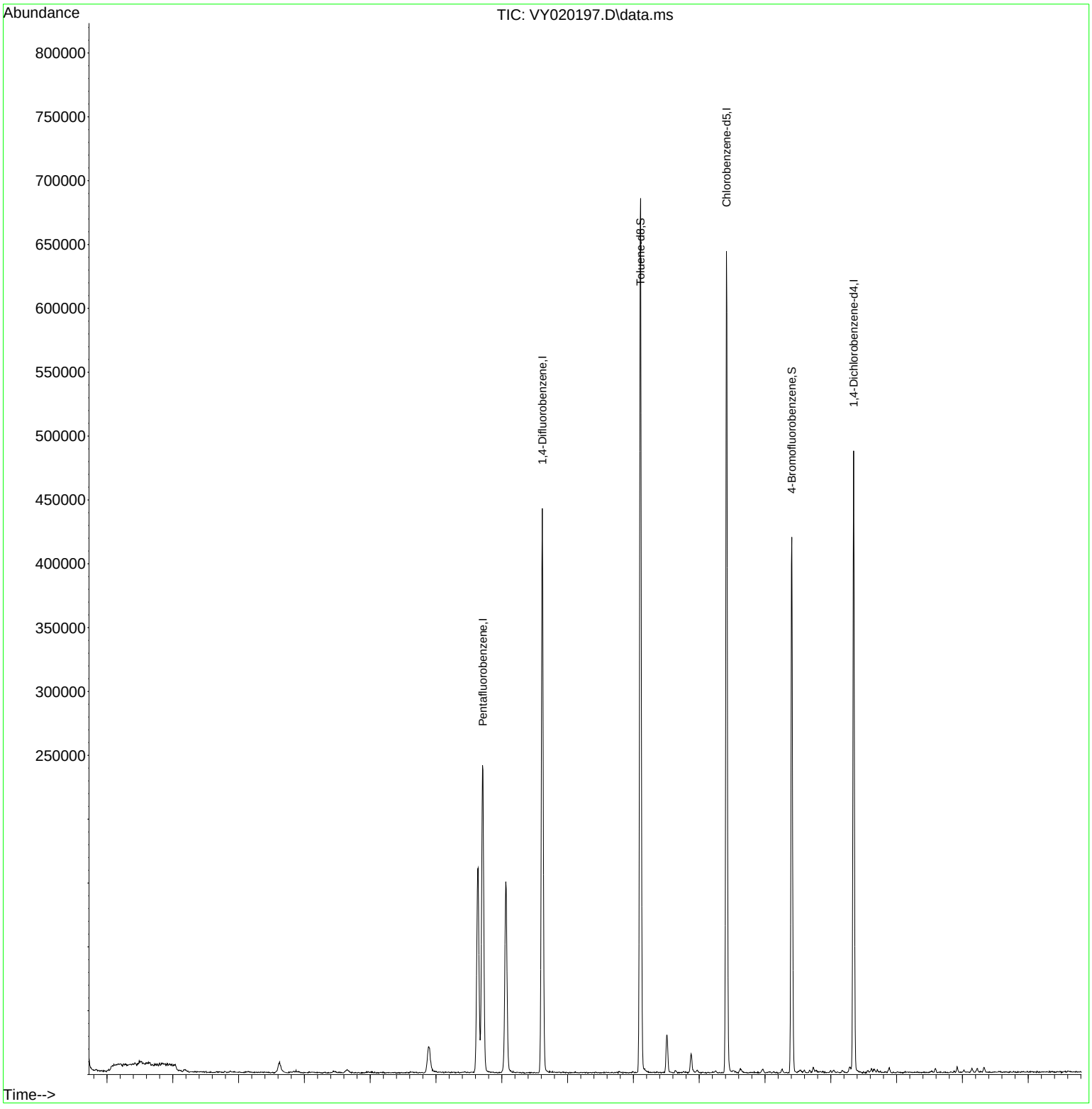
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	168265	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	343319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	103250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	115578	55.036	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.080%			
35) Dibromofluoromethane	7.634	113	114689	52.542	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.080%			
50) Toluene-d8	10.109	98	429039	49.379	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.760%			
62) 4-Bromofluorobenzene	12.408	95	123735	43.844	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 87.680%			
Target Compounds						Qvalue

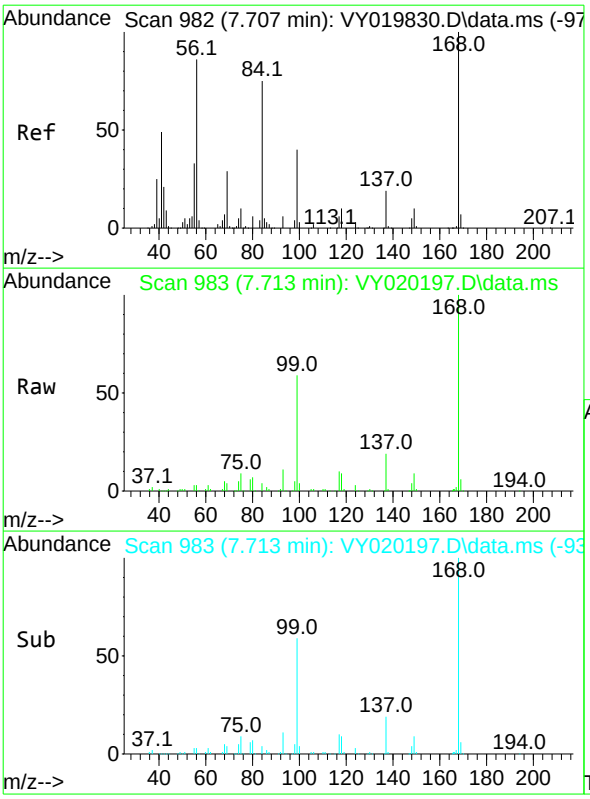
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020197.D
Acq On : 07 Nov 2024 11:19
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Time: Nov 08 00:25:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



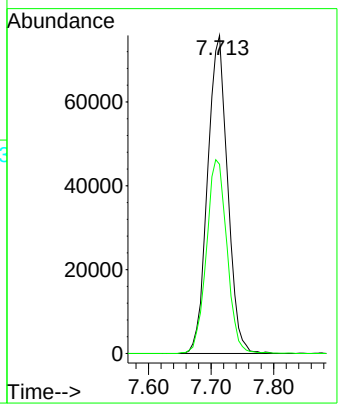


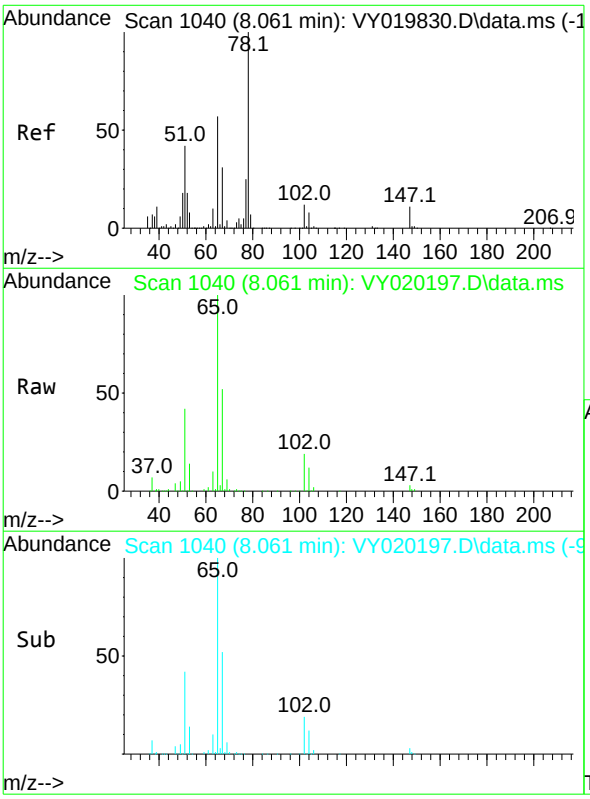
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020197.D
Acq: 07 Nov 2024 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion:168 Resp: 168265

Ion	Ratio	Lower	Upper
168	100		
99	59.5	39.1	58.7#

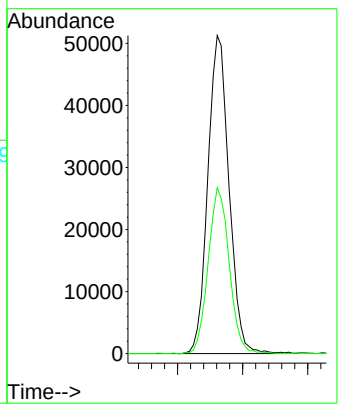


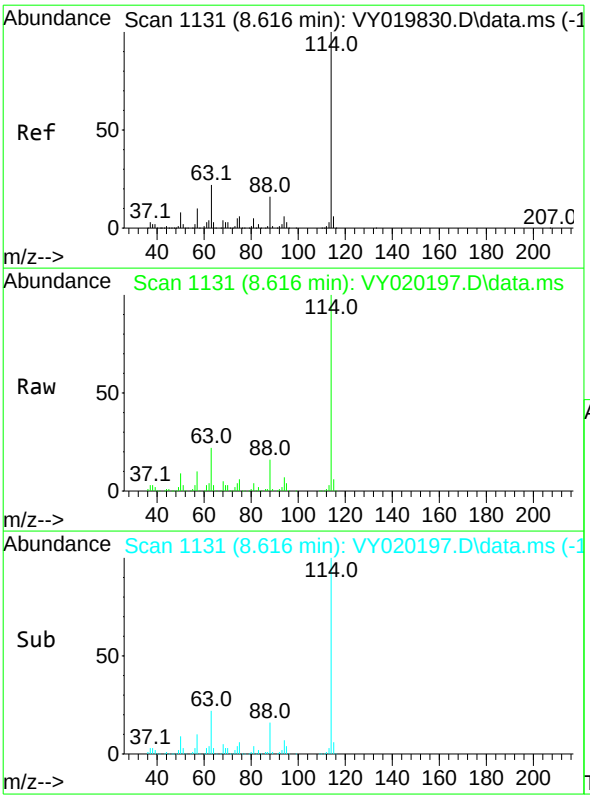


#33
1,2-Dichloroethane-d4
Concen: 55.036 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020197.D
Acq: 07 Nov 2024 11:19

Tgt Ion: 65 Resp: 115578

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	109.6



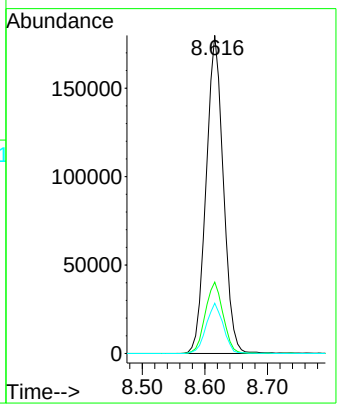


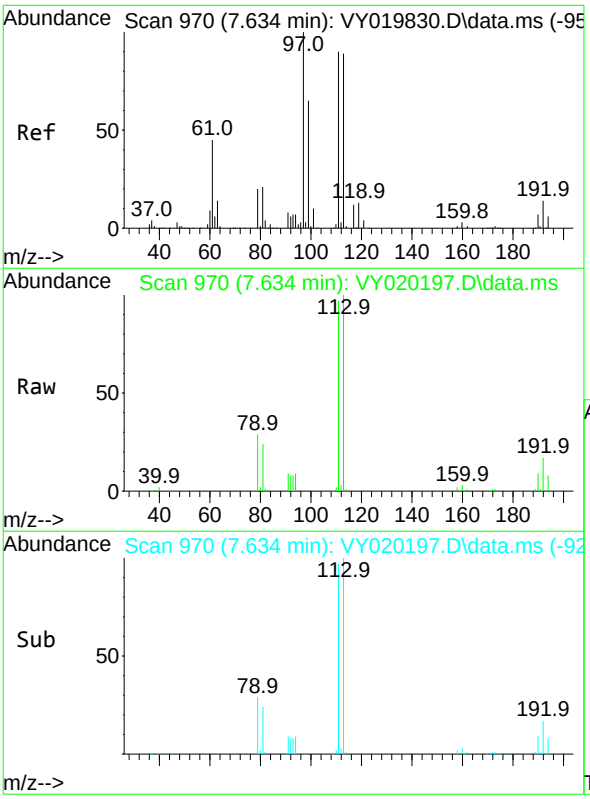
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020197.D
Acq: 07 Nov 2024 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion:114 Resp: 343319

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	35.0
88	15.8	0.0	27.2

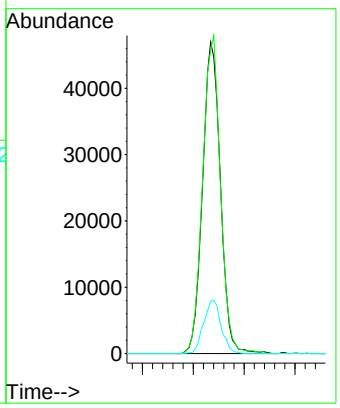


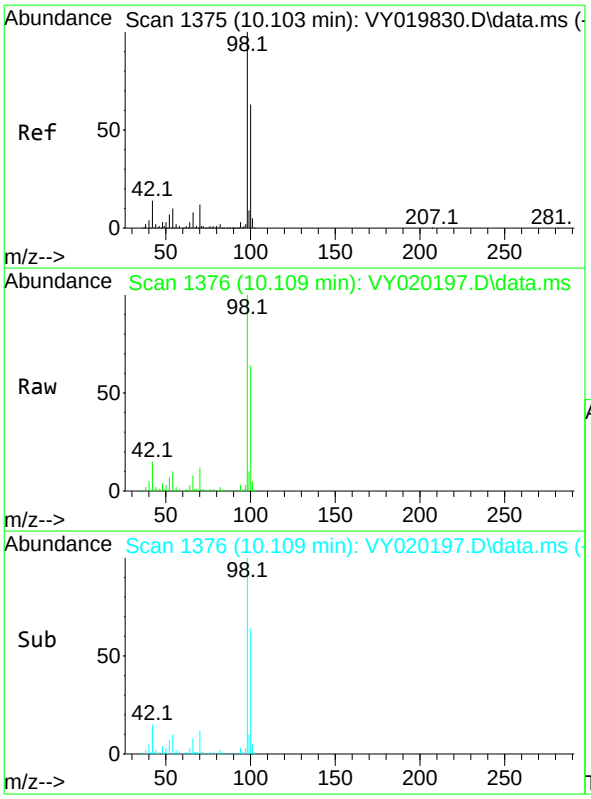


#35
Dibromofluoromethane
Concen: 52.542 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020197.D
Acq: 07 Nov 2024 11:19

Tgt Ion:113 Resp: 114689

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	16.8	15.9	23.9



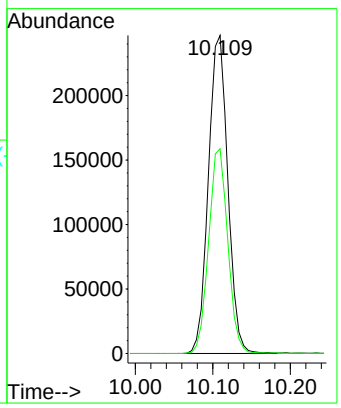


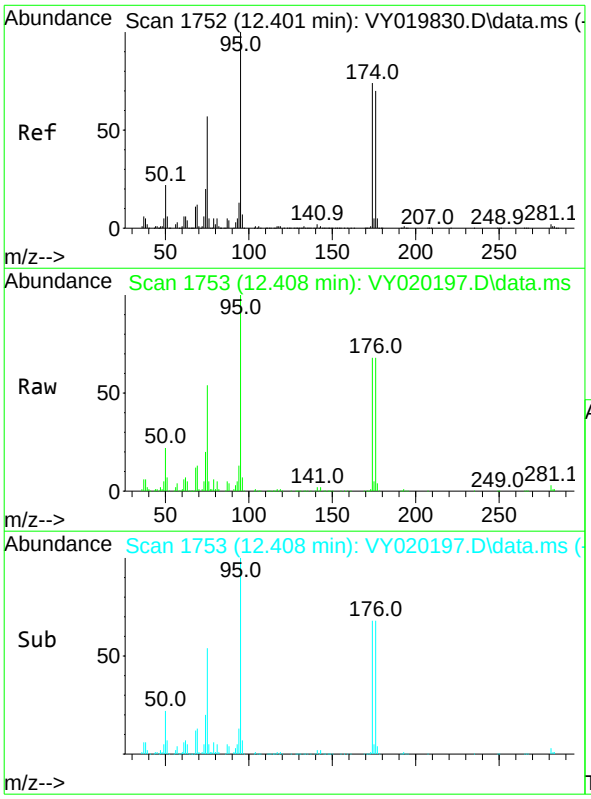
#50
Toluene-d8
Concen: 49.379 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020197.D
Acq: 07 Nov 2024 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion: 98 Resp: 429039

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.0	78.0

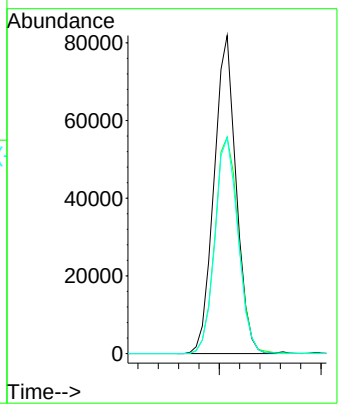


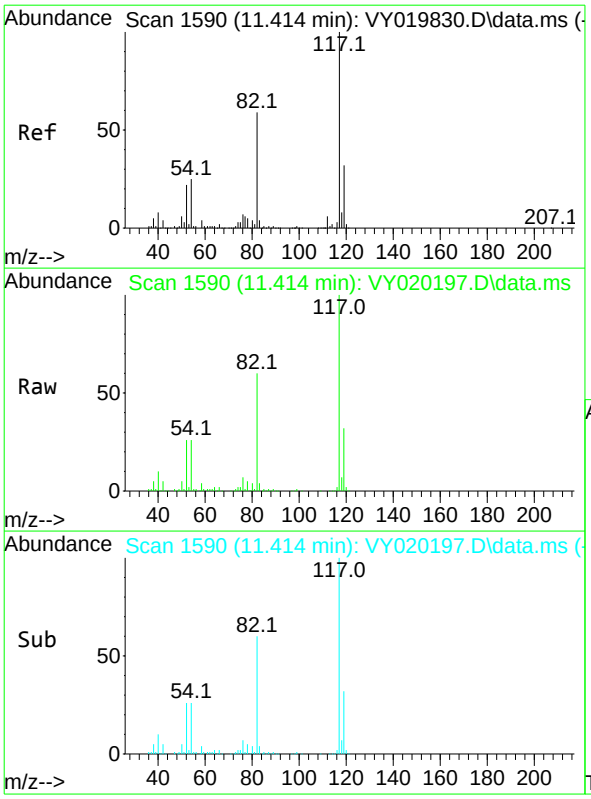


#62
4-Bromofluorobenzene
Concen: 43.844 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020197.D
Acq: 07 Nov 2024 11:19

Tgt Ion: 95 Resp: 123735

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	175.6
176	70.3	0.0	171.4



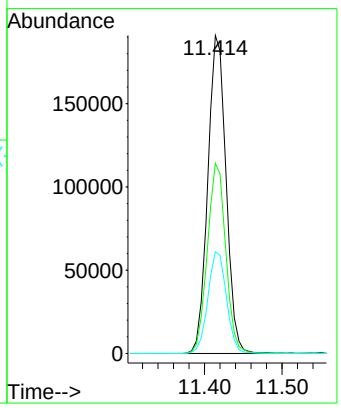


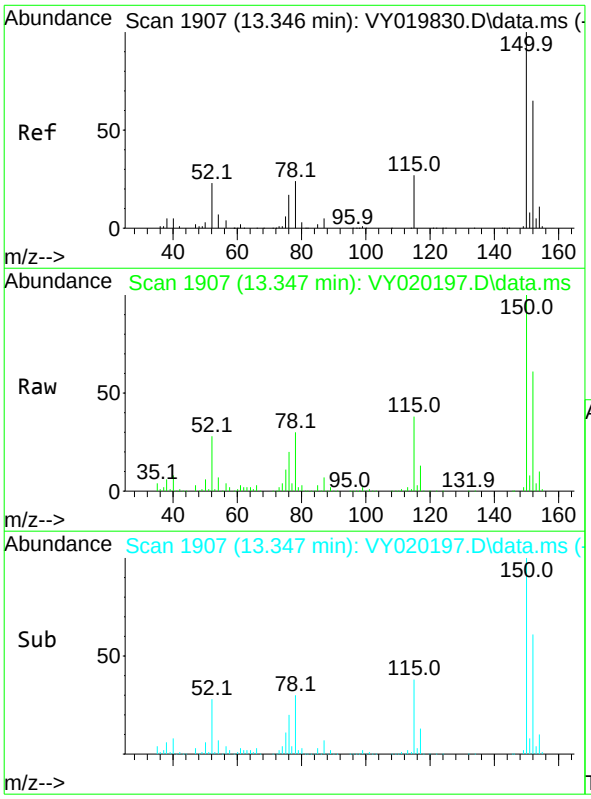
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020197.D
Acq: 07 Nov 2024 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion:117 Resp: 313025

Ion	Ratio	Lower	Upper
117	100		
82	59.8	42.4	63.6
119	32.0	25.9	38.9

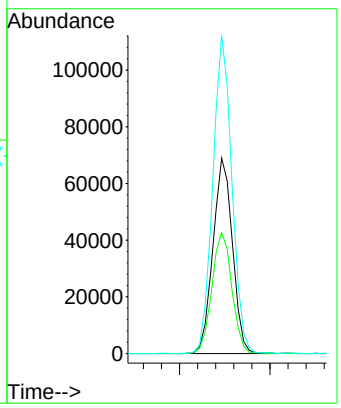




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020197.D
Acq: 07 Nov 2024 11:19

Tgt Ion:152 Resp: 103250

Ion	Ratio	Lower	Upper
152	100		
115	63.5	28.2	84.7
150	159.0	0.0	345.6



Sample Results: **VY020197.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020197.D
Acq On : 07 Nov 2024 11:19
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

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

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

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

Signal : TIC: VY020197.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.623	464	476	493	rBV4	8619	29225	2.45%	0.487%
2	6.890	835	848	857	rBV2	20631	69224	5.81%	1.154%
3	7.640	960	971	976	rBV	160316	389854	32.74%	6.500%
4	7.707	976	982	995	rVB	239995	550613	46.23%	9.181%
5	8.061	1028	1040	1051	rBV	149481	349793	29.37%	5.832%
6	8.616	1120	1131	1143	rBV	442128	864584	72.60%	14.416%
7	10.109	1368	1376	1385	rBV	684273	1190935	100.00%	19.857%
8	10.512	1436	1442	1448	rBV	29413	56562	4.75%	0.943%
9	10.878	1495	1502	1512	rBV3	14940	30476	2.56%	0.508%
10	11.414	1582	1590	1604	rBV	643397	1056369	88.70%	17.614%
11	12.408	1746	1753	1761	rBV	419626	682353	57.30%	11.377%
12	13.347	1901	1907	1919	rVB	486311	727434	61.08%	12.129%

Sum of corrected areas: 5997422

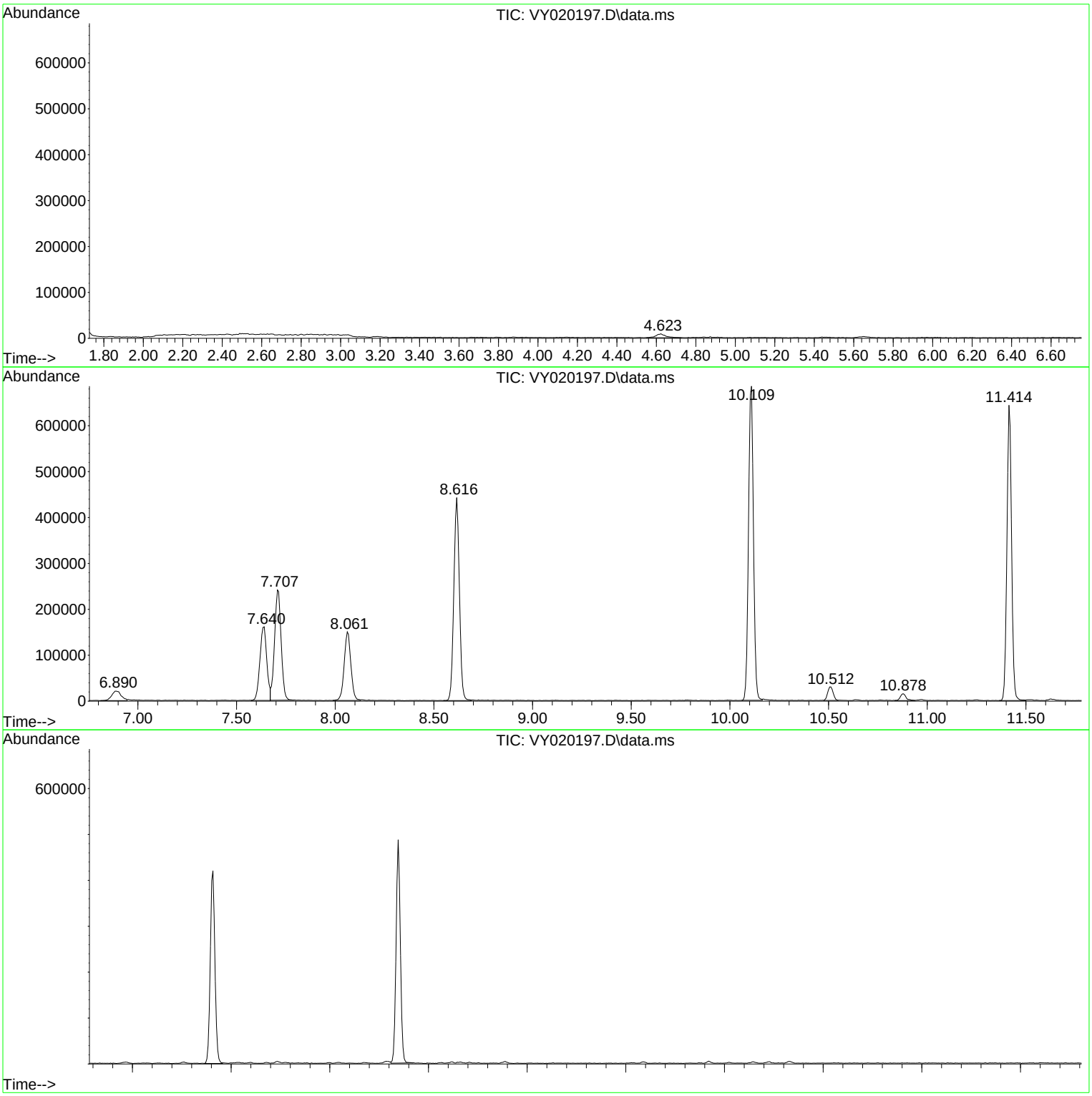
Sample Results: **VY020197.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020197.D
Acq On : 07 Nov 2024 11:19
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

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

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



Library Search Compound Report

Sample Results: **VY020197.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020197.D
Acq On : 07 Nov 2024 11:19
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020197.D
Acq On : 07 Nov 2024 11:19
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

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

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

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1108SBL01	SDG No.:	P4722
Lab Sample ID:	VY1108SBL01	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
VY020222.D	1		11/08/24 10:40	VY110824

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

Raw Data: **VY020222.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1108SBL01	SDG No.:	P4722
Lab Sample ID:	VY1108SBL01	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
VY020222.D	1		11/08/24 10:40	VY110824

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	55.5		50 - 163	111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		54 - 147	101%	SPK: 50
2037-26-5	Toluene-d8	48.3		58 - 134	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		29 - 146	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	212000	7.713			
540-36-3	1,4-Difluorobenzene	453000	8.616			
3114-55-4	Chlorobenzene-d5	403000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.352			

Raw Data: **VY020222.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1108SBL01	SDG No.:	P4722
Lab Sample ID:	VY1108SBL01	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
VY020222.D	1		11/08/24 10:40	VY110824

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\VY110824\
Data File : VY020222.D
Acq On : 08 Nov 2024 10:40
Operator : SY/MD
Sample : VY1108SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBL01

Quant Time: Nov 08 22:14:49 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	212436	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	452508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	403401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	147279	55.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.100%			
35) Dibromofluoromethane	7.640	113	145570	50.597	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.200%			
50) Toluene-d8	10.109	98	552944	48.284	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.560%			
62) 4-Bromofluorobenzene	12.408	95	166242	44.692	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 89.380%			
Target Compounds						Qvalue

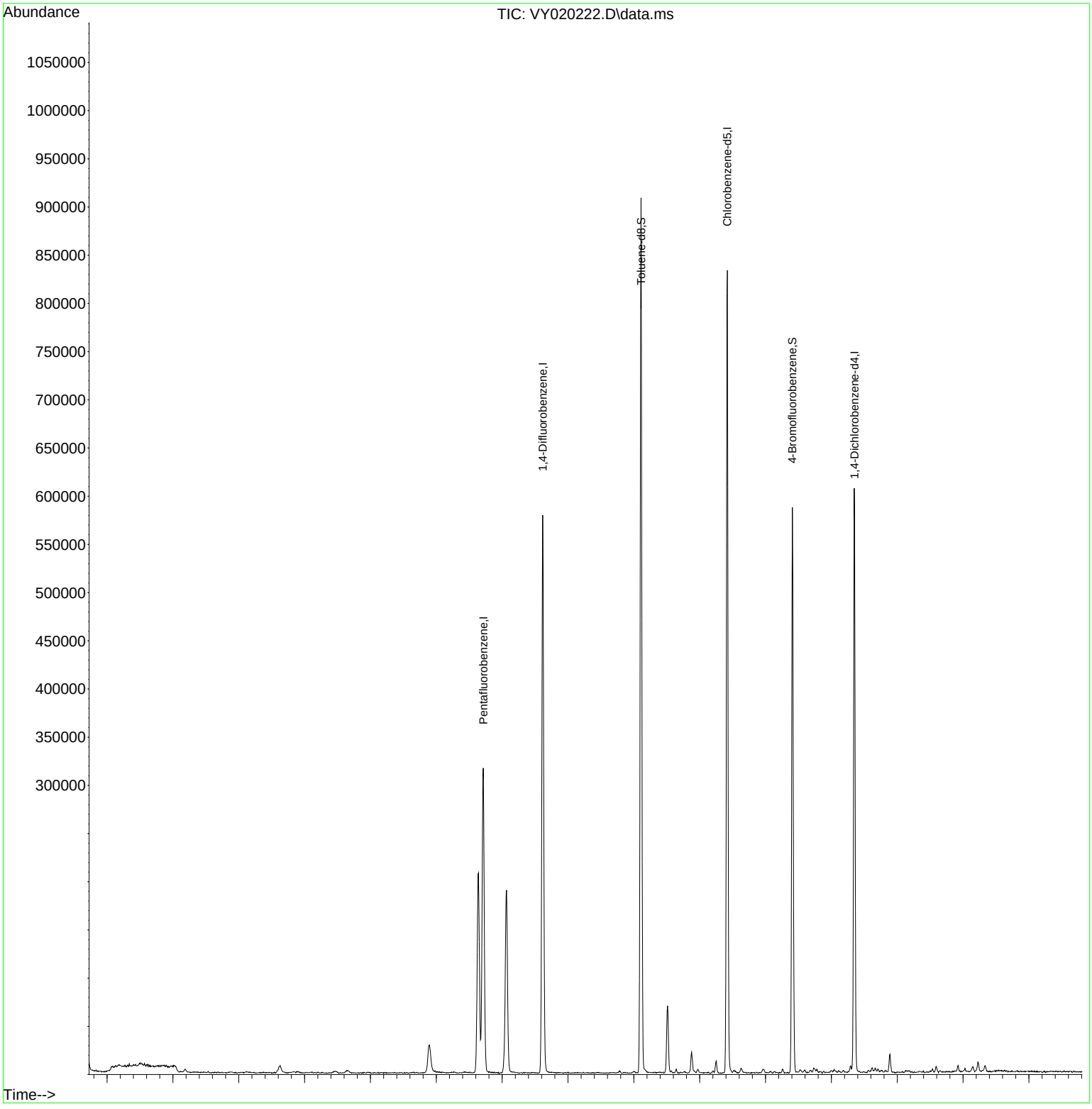
(#) = qualifier out of range (m) = manual integration (+) = signals summed

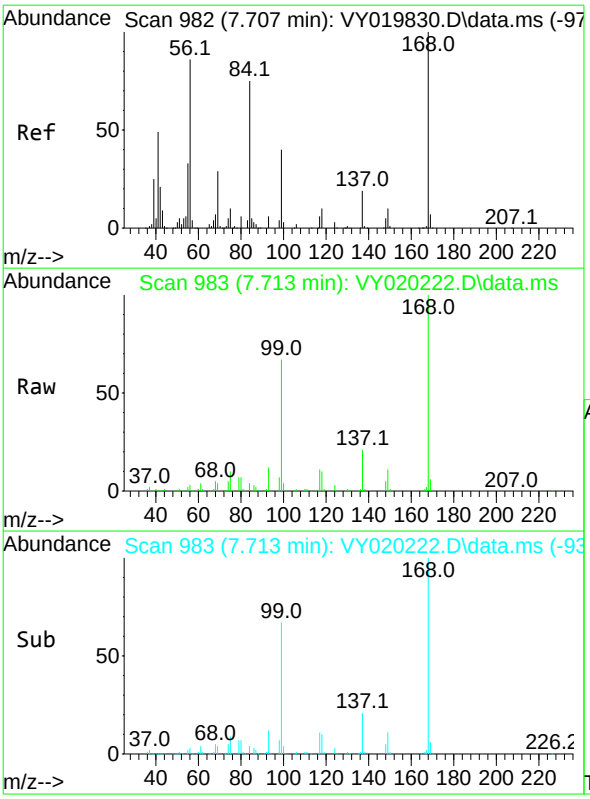
Sample Results: **VY020222.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020222.D
Acq On : 08 Nov 2024 10:40
Operator : SY/MD
Sample : VY1108SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBL01

Quant Time: Nov 08 22:14:49 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



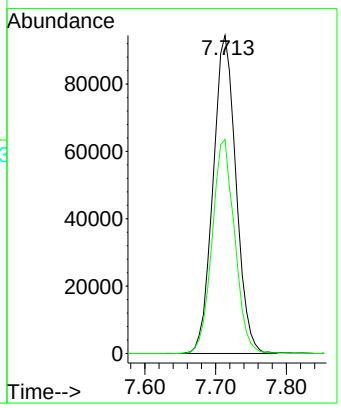


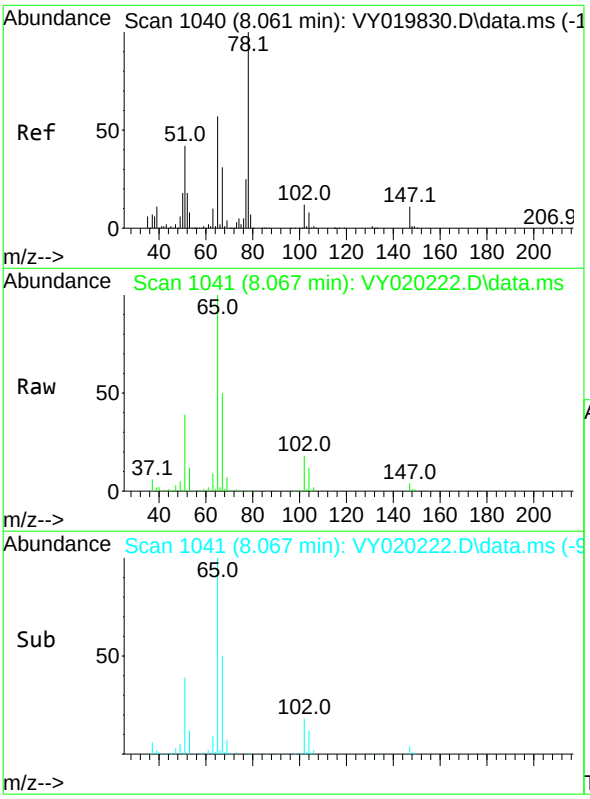
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020222.D
Acq: 08 Nov 2024 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBL01

Tgt Ion:168 Resp: 212436

Ion	Ratio	Lower	Upper
168	100		
99	67.3	39.1	58.7#

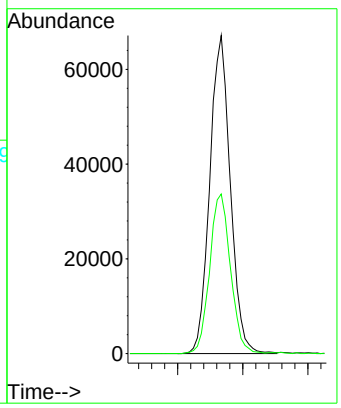


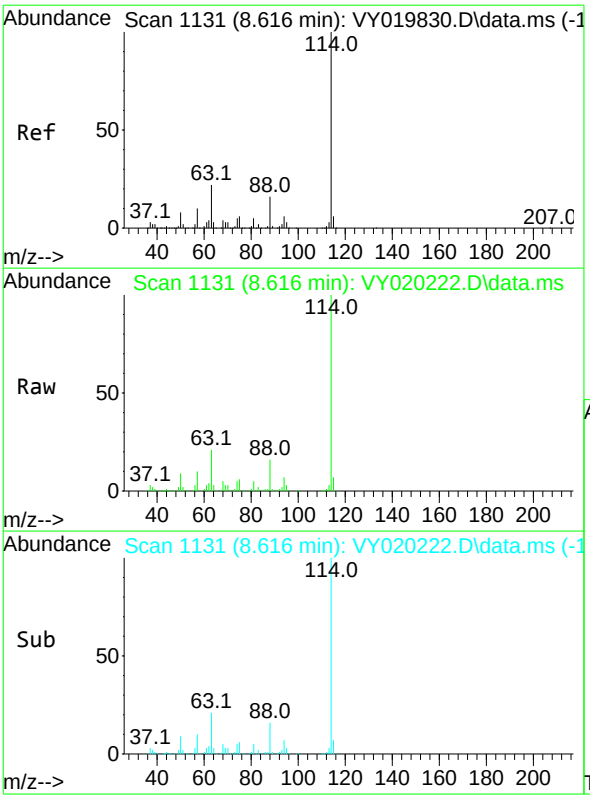


#33
1,2-Dichloroethane-d4
Concen: 55.549 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020222.D
Acq: 08 Nov 2024 10:40

Tgt Ion: 65 Resp: 147279

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	109.6



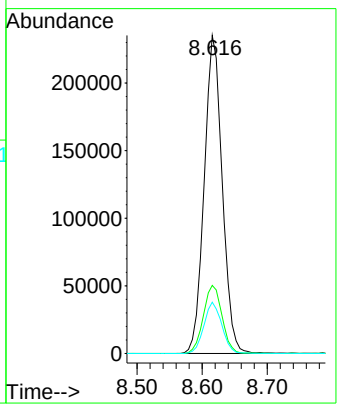


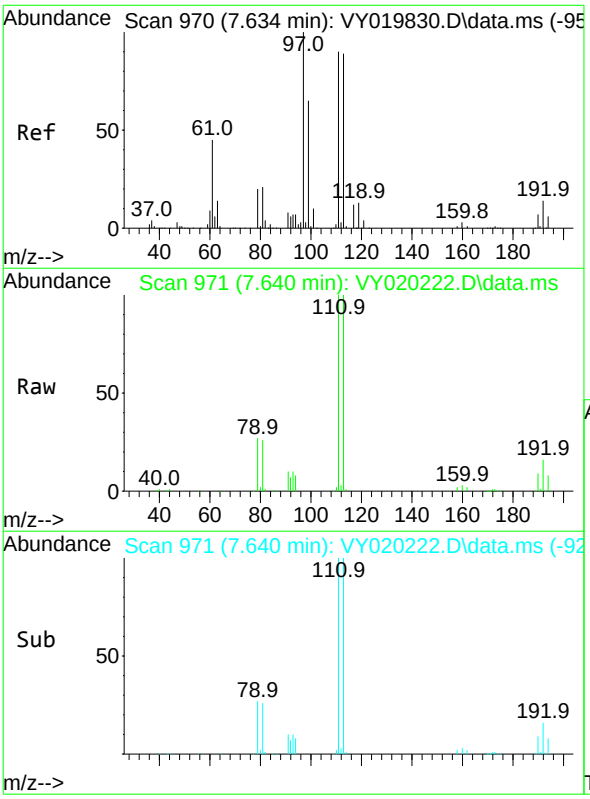
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020222.D
Acq: 08 Nov 2024 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBL01

Tgt Ion:114 Resp: 452508

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	35.0
88	16.1	0.0	27.2

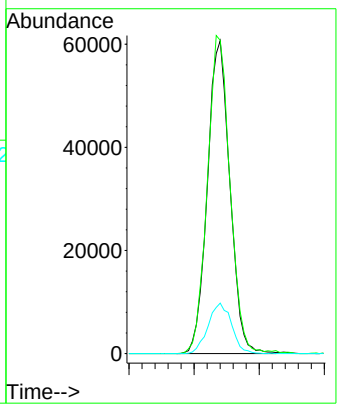


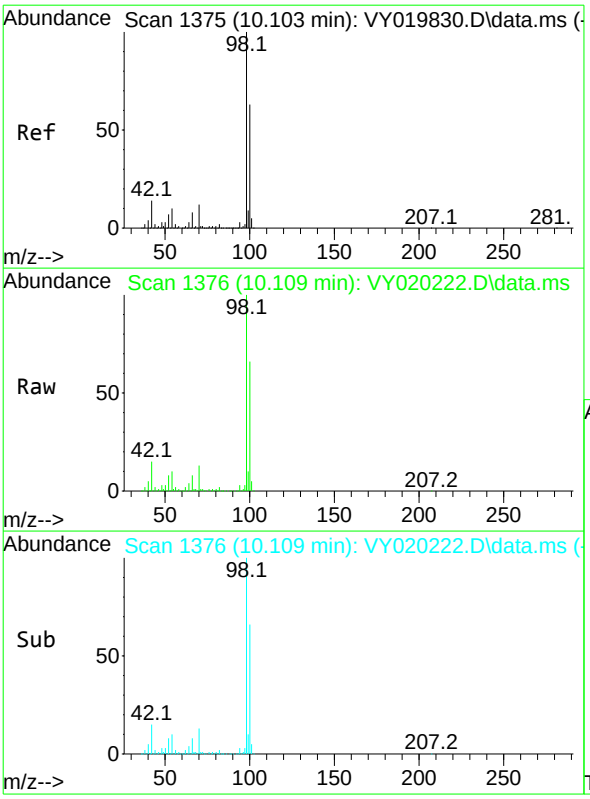


#35
Dibromofluoromethane
Concen: 50.597 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020222.D
Acq: 08 Nov 2024 10:40

Tgt Ion:113 Resp: 145570

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	16.8	15.9	23.9



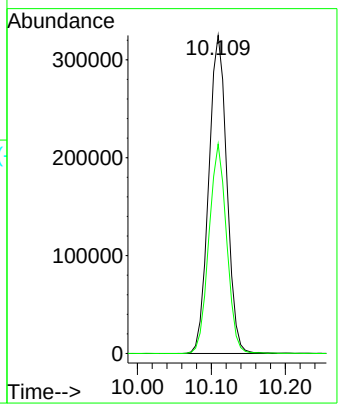


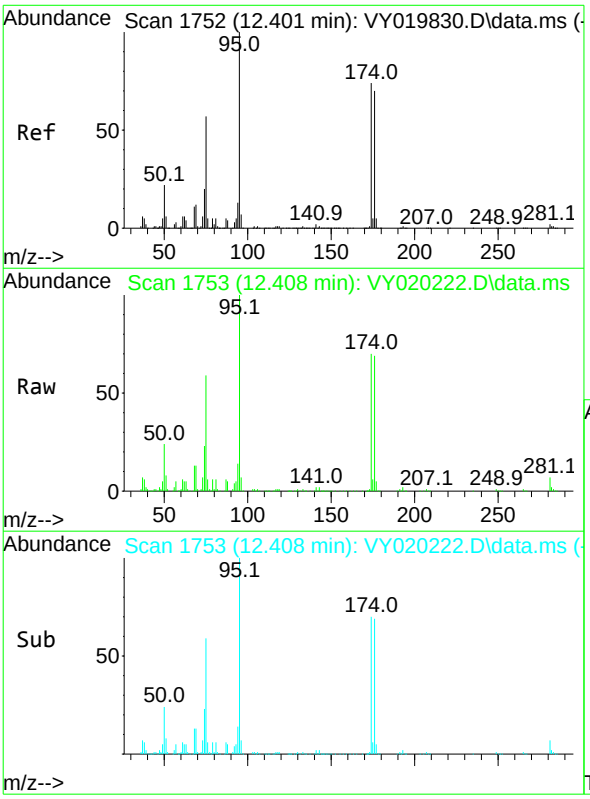
#50
Toluene-d8
Concen: 48.284 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020222.D
Acq: 08 Nov 2024 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBL01

Tgt Ion: 98 Resp: 552944

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0

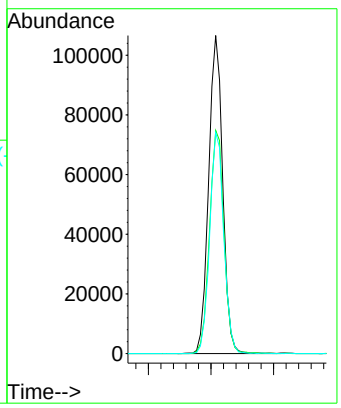


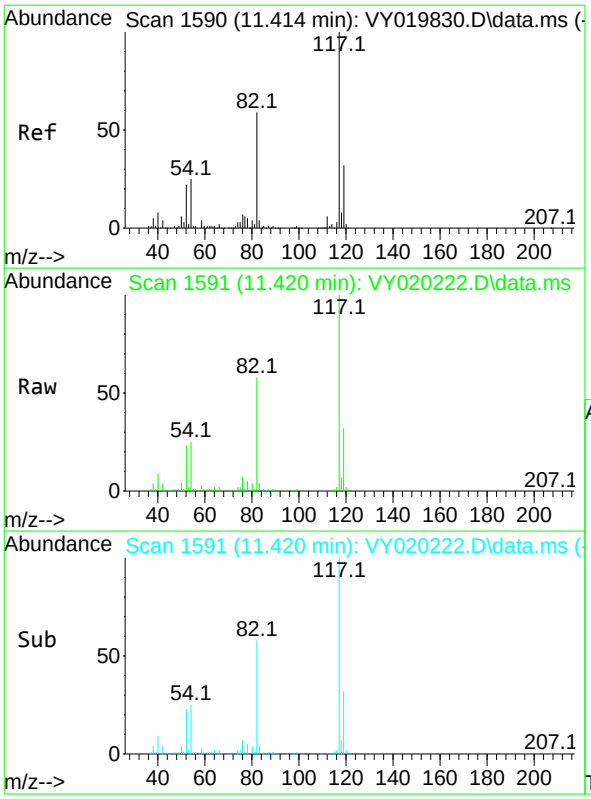


#62
4-Bromofluorobenzene
Concen: 44.692 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020222.D
Acq: 08 Nov 2024 10:40

Tgt Ion: 95 Resp: 166242

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	175.6
176	69.4	0.0	171.4



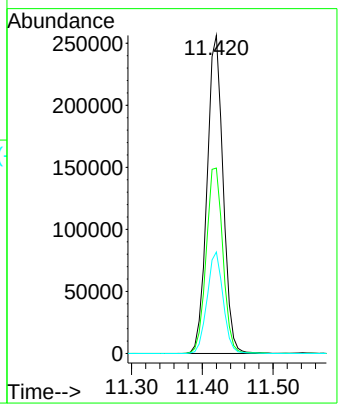


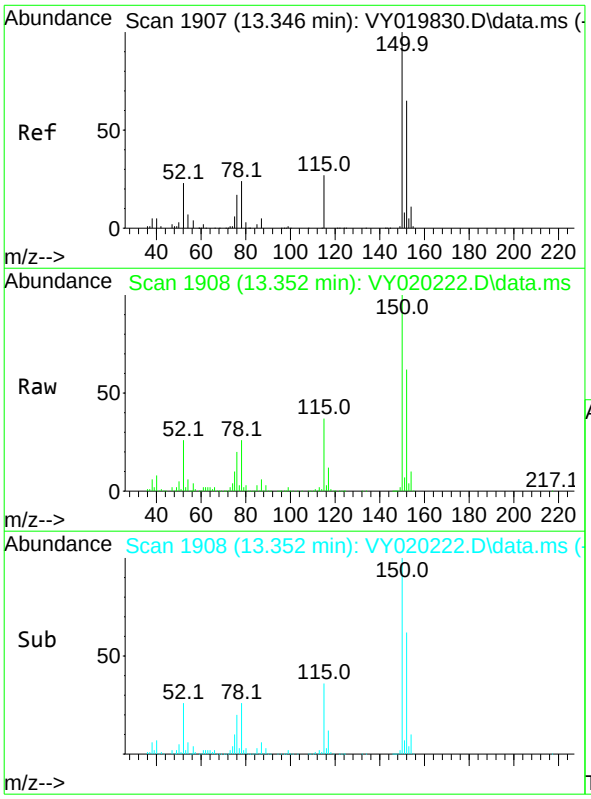
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020222.D
Acq: 08 Nov 2024 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBL01

Tgt Ion:117 Resp: 403401

Ion	Ratio	Lower	Upper
117	100		
82	58.3	42.4	63.6
119	31.9	25.9	38.9

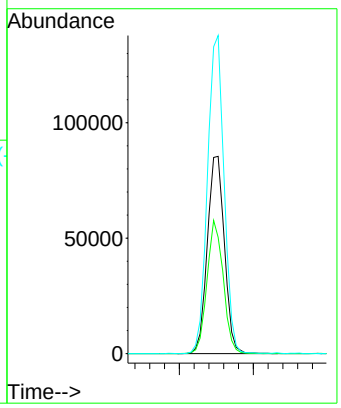




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020222.D
Acq: 08 Nov 2024 10:40

Tgt Ion:152 Resp: 137264

Ion	Ratio	Lower	Upper
152	100		
115	63.9	28.2	84.7
150	156.3	0.0	345.6



Sample Results: **VY020222.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020222.D
Acq On : 08 Nov 2024 10:40
Operator : SY/MD
Sample : VY1108SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBL01

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

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

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

Signal : TIC: VY020222.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.896	837	849	860	rBV2	28588	93740	6.08%	1.177%
2	7.640	960	971	976	rBV	207082	495163	32.12%	6.217%
3	7.713	976	983	996	rVB	315711	720195	46.72%	9.042%
4	8.067	1030	1041	1051	rBV	189419	457555	29.68%	5.745%
5	8.616	1122	1131	1144	rBV	578903	1130959	73.37%	14.199%
6	10.109	1368	1376	1390	rBV	907929	1541400	100.00%	19.353%
7	10.512	1433	1442	1449	rBV	69894	134571	8.73%	1.690%
8	10.877	1494	1502	1513	rBV3	21355	41650	2.70%	0.523%
9	11.249	1558	1563	1570	rVB2	12577	21288	1.38%	0.267%
10	11.420	1583	1591	1603	rBV	832478	1352338	87.73%	16.979%
11	12.408	1744	1753	1762	rBV2	586796	970051	62.93%	12.179%
12	13.346	1900	1907	1919	rVB	605252	953962	61.89%	11.977%
13	13.889	1990	1996	2002	rVB2	18706	30902	2.00%	0.388%
14	15.224	2207	2215	2224	rBV3	10242	21012	1.36%	0.264%

Sum of corrected areas: 7964786

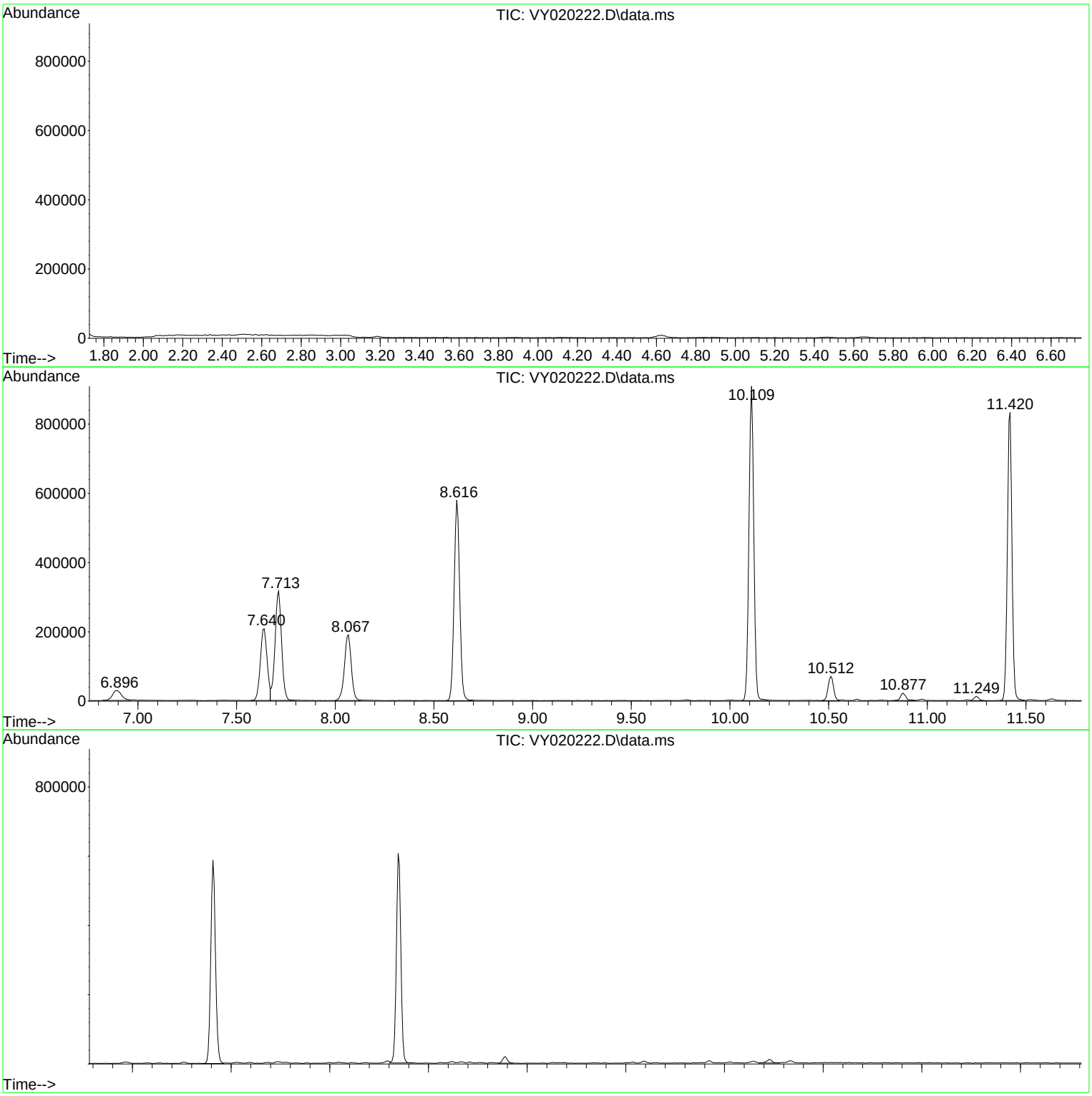
Sample Results: **VY020222.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020222.D
Acq On : 08 Nov 2024 10:40
Operator : SY/MD
Sample : VY1108SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBL01

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

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



Library Search Compound Report

Sample Results: **VY020222.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020222.D
Acq On : 08 Nov 2024 10:40
Operator : SY/MD
Sample : VY1108SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBL01

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020222.D
Acq On : 08 Nov 2024 10:40
Operator : SY/MD
Sample : VY1108SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBL01

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

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

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

Raw Data: **VY020198.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	P4722
Lab Sample ID:	VY1107SBS01	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
VY020198.D	1		11/07/24 11:50	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.5		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.4		0.77	5.00	ug/Kg
74-83-9	Bromomethane	22.2		1.00	5.00	ug/Kg
75-00-3	Chloroethane	22.8		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.1		0.78	5.00	ug/Kg
67-64-1	Acetone	100		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.5		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.5		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.1		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.3		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.0		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.7		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	21.4		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.9		0.87	5.00	ug/Kg
71-43-2	Benzene	21.0		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.9		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.8		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.7		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	21.4		0.67	5.00	ug/Kg

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	P4722
Lab Sample ID:	VY1107SBS01	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
VY020198.D	1		11/07/24 11:50	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.3		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	23.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.5		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.4		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.0		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	21.0		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.1		0.70	5.00	ug/Kg
100-42-5	Styrene	21.4		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.7		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.5		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.6		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.7		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.4		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.7		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	52.9		50 - 163	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	51.9		58 - 134	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		29 - 146	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	7.707			
540-36-3	1,4-Difluorobenzene	362000	8.616			
3114-55-4	Chlorobenzene-d5	315000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.346			

Raw Data: **VY020198.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	P4722
Lab Sample ID:	VY1107SBS01	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
VY020198.D	1		11/07/24 11:50	VY110724

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

Sample Results: **VY020198.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020198.D
Acq On : 07 Nov 2024 11:50
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 00:25:29 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	202685	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.616	114	361864	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	315230	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144996	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	133725	52.863	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.720%				
35) Dibromofluoromethane	7.634	113	121035	52.608	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.220%				
50) Toluene-d8	10.109	98	475219	51.891	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.780%				
62) 4-Bromofluorobenzene	12.408	95	155407	52.244	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 104.480%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	34735	18.513	ug/l		97
3) Chloromethane	2.068	50	64586	20.782	ug/l		99
4) Vinyl Chloride	2.202	62	71243	21.354	ug/l		96
5) Bromomethane	2.592	94	49246	22.233	ug/l		96
6) Chloroethane	2.739	64	49196	22.848	ug/l		95
7) Trichlorofluoromethane	3.056	101	89161	21.876	ug/l		96
8) Diethyl Ether	3.458	74	23671	20.823	ug/l		74
9) 1,1,2-Trichlorotrifluo...	3.818	101	49116	21.485	ug/l		91
10) Methyl Iodide	4.007	142	41275	18.701	ug/l	#	89
11) Tert butyl alcohol	4.860	59	20451	112.394	ug/l	#	82
12) 1,1-Dichloroethene	3.793	96	46163	21.106	ug/l		83
13) Acrolein	3.653	56	18892	83.405	ug/l		97
14) Allyl chloride	4.385	41	80521	20.405	ug/l	#	88
15) Acrylonitrile	5.061	53	57158	110.462	ug/l	#	90
16) Acetone	3.879	43	60391	102.657	ug/l	#	84
17) Carbon Disulfide	4.104	76	142287	19.548	ug/l		99
18) Methyl Acetate	4.385	43	30893	22.382	ug/l	#	88
19) Methyl tert-butyl Ether	5.122	73	118190	21.479	ug/l		100
20) Methylene Chloride	4.616	84	53602	20.283	ug/l	#	80
21) trans-1,2-Dichloroethene	5.122	96	51906	21.043	ug/l		95
22) Diisopropyl ether	6.019	45	181719	22.191	ug/l	#	88
23) Vinyl Acetate	5.964	43	489510	106.218	ug/l	#	91
24) 1,1-Dichloroethane	5.915	63	99936	21.076	ug/l		96
25) 2-Butanone	6.902	43	85641	107.395	ug/l	#	86
26) 2,2-Dichloropropane	6.884	77	81671	20.701	ug/l		96
27) cis-1,2-Dichloroethene	6.890	96	59500	20.983	ug/l		83
28) Bromochloromethane	7.244	49	46048	20.739	ug/l	#	69
29) Tetrahydrofuran	7.262	42	50603	109.958	ug/l	#	82
30) Chloroform	7.421	83	101221	21.512	ug/l		99
31) Cyclohexane	7.701	56	91946	20.029	ug/l		88
32) 1,1,1-Trichloroethane	7.616	97	87992	21.419	ug/l	#	94
36) 1,1-Dichloropropene	7.835	75	74433	20.943	ug/l		93
37) Ethyl Acetate	6.982	43	36166	21.344	ug/l		95
38) Carbon Tetrachloride	7.817	117	76235	21.331	ug/l		98
39) Methylcyclohexane	9.109	83	89720	19.890	ug/l	#	82
40) Benzene	8.079	78	218180	21.032	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020198.D
Acq On : 07 Nov 2024 11:50
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 00:25:29 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	14579	17.176 ug/l #	88
42) 1,2-Dichloroethane	8.158	62	62865	21.893 ug/l	94
43) Isopropyl Acetate	8.195	43	68248	20.945 ug/l #	78
44) Trichloroethene	8.866	130	50032	20.809 ug/l	82
45) 1,2-Dichloropropane	9.140	63	53754	21.658 ug/l	97
46) Dibromomethane	9.231	93	30019	22.322 ug/l #	86
47) Bromodichloromethane	9.420	83	73682	20.914 ug/l	97
48) Methyl methacrylate	9.219	41	32826	21.749 ug/l #	79
49) 1,4-Dioxane	9.237	88	6446	465.560 ug/l #	93
51) 4-Methyl-2-Pentanone	10.000	43	181858	108.316 ug/l	89
52) Toluene	10.170	92	136852	21.401 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	64362	20.688 ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	79261	21.345 ug/l #	81
55) 1,1,2-Trichloroethane	10.573	97	38486	23.017 ug/l	95
56) Ethyl methacrylate	10.438	69	49714	20.727 ug/l #	68
57) 1,3-Dichloropropane	10.713	76	65962	21.542 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	120207	101.622 ug/l	92
59) 2-Hexanone	10.762	43	128919	107.104 ug/l	86
60) Dibromochloromethane	10.908	129	45911	21.540 ug/l	97
61) 1,2-Dibromoethane	11.018	107	33292	21.430 ug/l	98
64) Tetrachloroethene	10.646	164	43798	21.043 ug/l	92
65) Chlorobenzene	11.444	112	140859	20.971 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	45653	21.274 ug/l	98
67) Ethyl Benzene	11.518	91	259439	20.663 ug/l	100
68) m/p-Xylenes	11.627	106	193351	42.090 ug/l	92
69) o-Xylene	11.956	106	91553	21.051 ug/l	93
70) Styrene	11.969	104	154094	21.429 ug/l	96
71) Bromoform	12.133	173	23941	21.746 ug/l #	100
73) Isopropylbenzene	12.255	105	245671	21.209 ug/l	97
74) N-amyl acetate	12.072	43	61069	21.091 ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	42830	21.143 ug/l	94
76) 1,2,3-Trichloropropane	12.554	75	31432m	23.126 ug/l	
77) Bromobenzene	12.536	156	50476	21.547 ug/l	81
78) n-propylbenzene	12.597	91	306102	21.234 ug/l	96
79) 2-Chlorotoluene	12.682	91	172728	21.586 ug/l	92
80) 1,3,5-Trimethylbenzene	12.737	105	196848	21.168 ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	13513	21.385 ug/l #	82
82) 4-Chlorotoluene	12.780	91	174374	21.372 ug/l	96
83) tert-Butylbenzene	12.999	119	176524	21.709 ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	196517	21.336 ug/l	97
85) sec-Butylbenzene	13.176	105	270645	21.681 ug/l	97
86) p-Isopropyltoluene	13.292	119	211880	21.151 ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	102280	21.492 ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	102422	21.612 ug/l	95
89) n-Butylbenzene	13.621	91	215025	21.413 ug/l	97
90) Hexachloroethane	13.883	117	43258	21.835 ug/l	83
91) 1,2-Dichlorobenzene	13.657	146	89950	21.746 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6582	21.425 ug/l	75
93) 1,2,4-Trichlorobenzene	14.919	180	45969	20.687 ug/l	96
94) Hexachlorobutadiene	15.023	225	27089	22.294 ug/l	98
95) Naphthalene	15.145	128	80850	19.464 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	37637	19.953 ug/l	98

Sample Results: **VY020198.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020198.D
Acq On : 07 Nov 2024 11:50
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 00:25:29 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

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

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

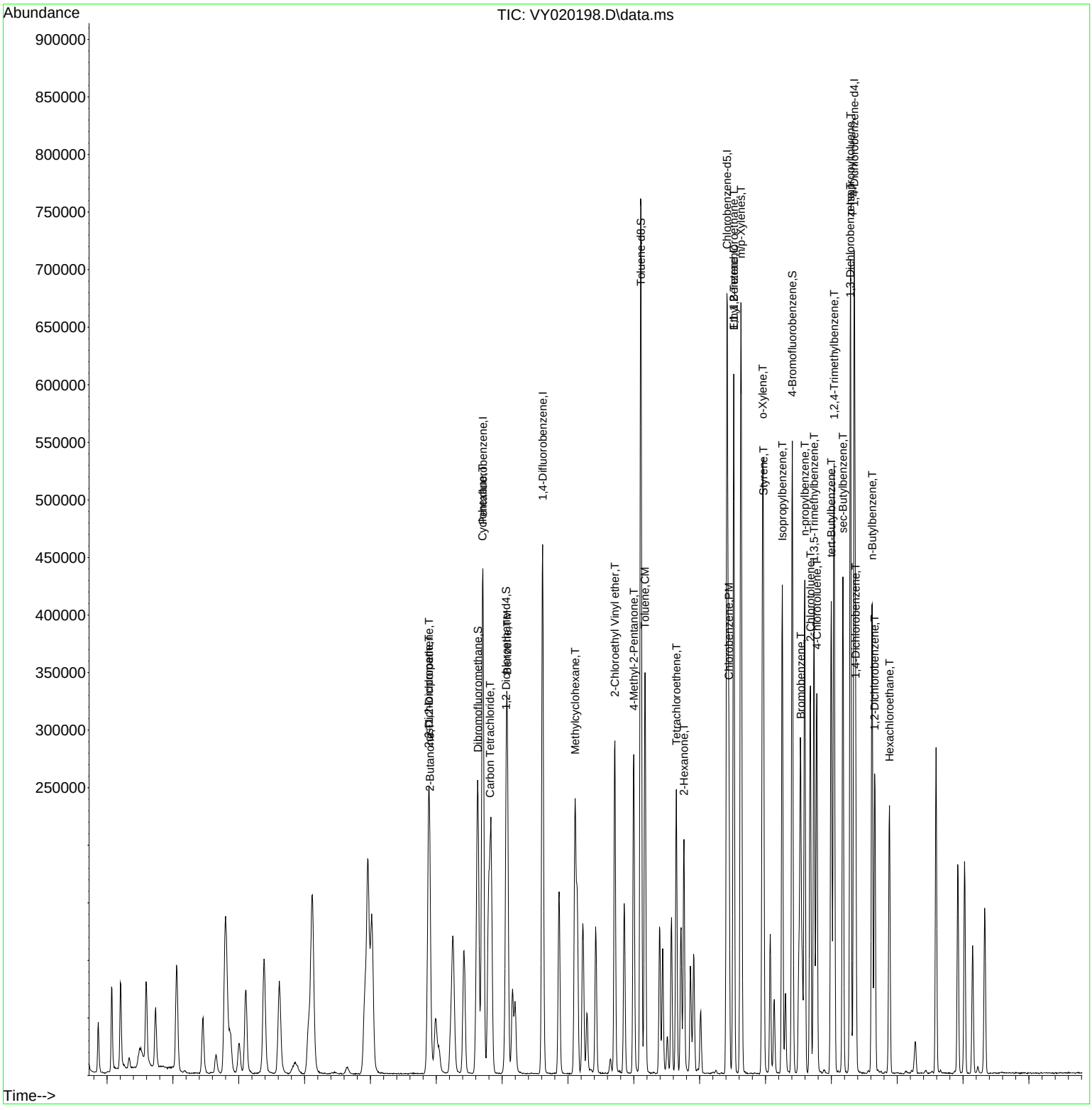
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020198.D
Acq On : 07 Nov 2024 11:50
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 00:25:29 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024



Raw Data: **VY020223.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1108SBS01	SDG No.:	P4722
Lab Sample ID:	VY1108SBS01	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
VY020223.D	1		11/08/24 11:19	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.6		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.3		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.9		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.4		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.2		0.78	5.00	ug/Kg
67-64-1	Acetone	100		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.1		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.8		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.8		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	18.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		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	20.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.1		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.5		0.87	5.00	ug/Kg
71-43-2	Benzene	19.8		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.7		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	100		4.40	25.0	ug/Kg
108-88-3	Toluene	19.9		0.67	5.00	ug/Kg

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1108SBS01	SDG No.:	P4722
Lab Sample ID:	VY1108SBS01	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
VY020223.D	1		11/08/24 11:19	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.5		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.7		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.4		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.6		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.70	5.00	ug/Kg
100-42-5	Styrene	20.7		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.4		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.6		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.9		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.6		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.5		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.5		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.2		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		50 - 163	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		54 - 147	100%	SPK: 50
2037-26-5	Toluene-d8	49.1		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		29 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	264000	7.707			
540-36-3	1,4-Difluorobenzene	480000	8.615			
3114-55-4	Chlorobenzene-d5	412000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	188000	13.346			

Raw Data: **VY020223.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1108SBS01	SDG No.:	P4722
Lab Sample ID:	VY1108SBS01	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
VY020223.D	1		11/08/24 11:19	VY110824

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

Sample Results: **VY020223.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020223.D
Acq On : 08 Nov 2024 11:19
Operator : SY/MD
Sample : VY1108SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 22:15:12 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	263593	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	480169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	412478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	187903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	166958	50.750	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.500%			
35) Dibromofluoromethane	7.640	113	152271	49.878	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.760%			
50) Toluene-d8	10.109	98	597036	49.131	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.260%			
62) 4-Bromofluorobenzene	12.407	95	197404	50.012	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 100.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	41942	17.189	ug/l	99
3) Chloromethane	2.068	50	74994	18.555	ug/l	97
4) Vinyl Chloride	2.208	62	83860	19.328	ug/l	97
5) Bromomethane	2.592	94	58071	20.159	ug/l	97
6) Chloroethane	2.738	64	55691	19.888	ug/l	99
7) Trichlorofluoromethane	3.055	101	113368	21.388	ug/l	100
8) Diethyl Ether	3.452	74	32149	21.747	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.811	101	61221	20.593	ug/l	91
10) Methyl Iodide	4.007	142	55945	19.491	ug/l #	89
11) Tert butyl alcohol	4.854	59	27360	115.620	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	57422	20.187	ug/l #	81
13) Acrolein	3.659	56	24893	84.504	ug/l	98
14) Allyl chloride	4.385	41	100635	19.609	ug/l #	88
15) Acrylonitrile	5.061	53	72500	107.736	ug/l	99
16) Acetone	3.872	43	78002	101.955	ug/l	87
17) Carbon Disulfide	4.104	76	161575	17.069	ug/l	99
18) Methyl Acetate	4.391	43	37350	20.807	ug/l	91
19) Methyl tert-butyl Ether	5.122	73	155652	21.751	ug/l	99
20) Methylene Chloride	4.616	84	63508	18.479	ug/l #	77
21) trans-1,2-Dichloroethene	5.116	96	64368	20.065	ug/l	88
22) Diisopropyl ether	6.018	45	222674	20.909	ug/l #	88
23) Vinyl Acetate	5.957	43	611393	102.010	ug/l #	90
24) 1,1-Dichloroethane	5.915	63	126778	20.558	ug/l	95
25) 2-Butanone	6.896	43	108472	104.594	ug/l #	87
26) 2,2-Dichloropropane	6.890	77	103895	20.249	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	75534	20.483	ug/l	83
28) Bromochloromethane	7.244	49	57361	19.865	ug/l #	73
29) Tetrahydrofuran	7.262	42	62887	105.075	ug/l #	83
30) Chloroform	7.421	83	128990	21.079	ug/l	100
31) Cyclohexane	7.701	56	110296	18.475	ug/l	89
32) 1,1,1-Trichloroethane	7.622	97	112619	21.079	ug/l	96
36) 1,1-Dichloropropene	7.835	75	89258	18.927	ug/l	95
37) Ethyl Acetate	6.988	43	46750	20.792	ug/l	97
38) Carbon Tetrachloride	7.817	117	95298	20.095	ug/l	98
39) Methylcyclohexane	9.109	83	111001	18.545	ug/l #	90
40) Benzene	8.079	78	272265	19.779	ug/l	100

Sample Results: **VY020223.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020223.D
Acq On : 08 Nov 2024 11:19
Operator : SY/MD
Sample : VY1108SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 22:15:12 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	21885m	19.430	ug/l		
42) 1,2-Dichloroethane	8.158	62	77775	20.412	ug/l		93
43) Isopropyl Acetate	8.201	43	87572	20.254	ug/l	#	91
44) Trichloroethene	8.865	130	62736	19.664	ug/l		93
45) 1,2-Dichloropropane	9.146	63	67580	20.520	ug/l		97
46) Dibromomethane	9.231	93	36747	20.592	ug/l	#	87
47) Bromodichloromethane	9.420	83	96743	20.694	ug/l		98
48) Methyl methacrylate	9.219	41	40024	19.985	ug/l	#	83
49) 1,4-Dioxane	9.231	88	8212	446.978	ug/l	#	83
51) 4-Methyl-2-Pentanone	9.999	43	229754	103.128	ug/l		89
52) Toluene	10.170	92	168972	19.914	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	82563	20.000	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	99987	20.292	ug/l	#	84
55) 1,1,2-Trichloroethane	10.572	97	45502	20.508	ug/l		88
56) Ethyl methacrylate	10.438	69	65582	20.606	ug/l	#	76
57) 1,3-Dichloropropane	10.719	76	84197	20.722	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	160759	102.420	ug/l		93
59) 2-Hexanone	10.761	43	161836	101.324	ug/l		87
60) Dibromochloromethane	10.908	129	58416	20.654	ug/l		98
61) 1,2-Dibromoethane	11.011	107	42135	20.440	ug/l		99
64) Tetrachloroethene	10.646	164	55766	20.476	ug/l		92
65) Chlorobenzene	11.444	112	176523	20.085	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	58298	20.761	ug/l		98
67) Ethyl Benzene	11.517	91	325752	19.828	ug/l		97
68) m/p-Xylenes	11.627	106	244337	40.649	ug/l		92
69) o-Xylene	11.956	106	113780	19.993	ug/l		91
70) Styrene	11.969	104	194693	20.691	ug/l		96
71) Bromoform	12.133	173	30755	21.350	ug/l	#	97
73) Isopropylbenzene	12.255	105	309233	20.601	ug/l		98
74) N-amyl acetate	12.072	43	75918	20.233	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	54990	20.947	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	35235m	20.004	ug/l		
77) Bromobenzene	12.536	156	61738	20.337	ug/l		81
78) n-propylbenzene	12.596	91	384577	20.586	ug/l		96
79) 2-Chlorotoluene	12.682	91	213334	20.572	ug/l		95
80) 1,3,5-Trimethylbenzene	12.737	105	252266	20.933	ug/l		94
81) trans-1,4-Dichloro-2-b...	12.304	75	16355	19.972	ug/l	#	77
82) 4-Chlorotoluene	12.779	91	223419	21.131	ug/l		93
83) tert-Butylbenzene	12.999	119	222484	21.113	ug/l		94
84) 1,2,4-Trimethylbenzene	13.042	105	247789	20.759	ug/l		96
85) sec-Butylbenzene	13.176	105	332551	20.557	ug/l		98
86) p-Isopropyltoluene	13.291	119	269447	20.756	ug/l		96
87) 1,3-Dichlorobenzene	13.285	146	128275	20.800	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	126506	20.598	ug/l		96
89) n-Butylbenzene	13.621	91	266030	20.443	ug/l		97
90) Hexachloroethane	13.883	117	52805	20.568	ug/l		82
91) 1,2-Dichlorobenzene	13.663	146	109921	20.506	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	8552	21.481	ug/l		68
93) 1,2,4-Trichlorobenzene	14.925	180	56984	19.788	ug/l		97
94) Hexachlorobutadiene	15.023	225	30714	19.505	ug/l		99
95) Naphthalene	15.145	128	106502	19.785	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	46837	19.161	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020223.D
Acq On : 08 Nov 2024 11:19
Operator : SY/MD
Sample : VY1108SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 22:15:12 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Manual Integrations APPROVED

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

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

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

Sample Results: **VY020223.D**

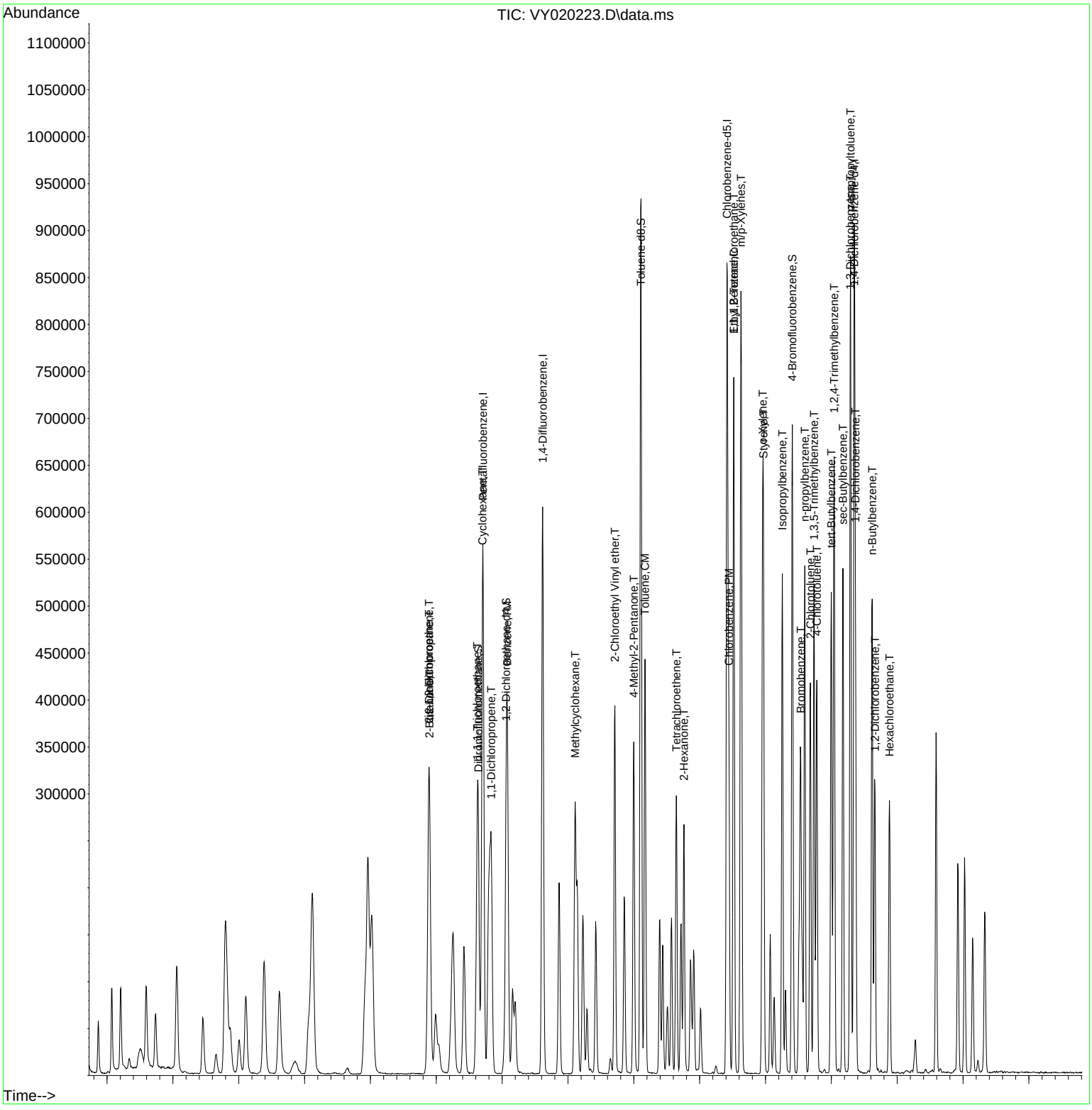
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
Data File : VY020223.D
Acq On : 08 Nov 2024 11:19
Operator : SY/MD
Sample : VY1108SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 22:15:12 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Manual Integrations APPROVED

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



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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	P4722
Lab Sample ID:	VY1107SBSD01	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
VY020199.D	1		11/07/24 12:13	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.5		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.6		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.4		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.8		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.8		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.2		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.9		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.0		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.6		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.3		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.5		0.87	5.00	ug/Kg
71-43-2	Benzene	19.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.1		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.7		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	19.9		0.67	5.00	ug/Kg

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	P4722
Lab Sample ID:	VY1107SBSD01	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
VY020199.D	1		11/07/24 12:13	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.8		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.5		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.1		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.7		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.4		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.0		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.70	5.00	ug/Kg
100-42-5	Styrene	19.9		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.9		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.4		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.0		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.5		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.5		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		50 - 163	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	51.6		58 - 134	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		29 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	7.707			
540-36-3	1,4-Difluorobenzene	375000	8.616			
3114-55-4	Chlorobenzene-d5	325000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.346			

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	P4722
Lab Sample ID:	VY1107SBSD01	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
VY020199.D	1		11/07/24 12:13	VY110724

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

Sample Results: **VY020199.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020199.D
Acq On : 07 Nov 2024 12:13
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 08 00:26:27 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	206563	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.616	114	375441	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	325231	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151947	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	139502	54.112	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.220%				
35) Dibromofluoromethane	7.640	113	123621	51.789	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.580%				
50) Toluene-d8	10.103	98	490180	51.589	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.180%				
62) 4-Bromofluorobenzene	12.401	95	159427	51.658	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 103.320%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	36807	19.249	ug/l		95
3) Chloromethane	2.068	50	62201	19.639	ug/l		97
4) Vinyl Chloride	2.208	62	67887	19.966	ug/l		99
5) Bromomethane	2.592	94	47007	20.823	ug/l		99
6) Chloroethane	2.732	64	45011	20.512	ug/l		95
7) Trichlorofluoromethane	3.056	101	81458	19.611	ug/l		98
8) Diethyl Ether	3.452	74	24033	20.745	ug/l		71
9) 1,1,2-Trichlorotrifluo...	3.818	101	46468	19.946	ug/l		89
10) Methyl Iodide	4.013	142	43172	19.194	ug/l	#	88
11) Tert butyl alcohol	4.866	59	20858	112.479	ug/l	#	78
12) 1,1-Dichloroethene	3.787	96	42534	19.081	ug/l	#	74
13) Acrolein	3.653	56	20394	88.346	ug/l		99
14) Allyl chloride	4.385	41	79381	19.738	ug/l	#	90
15) Acrylonitrile	5.061	53	60176	114.111	ug/l		98
16) Acetone	3.873	43	65756	109.678	ug/l	#	84
17) Carbon Disulfide	4.110	76	129164	17.412	ug/l	#	95
18) Methyl Acetate	4.385	43	32021	22.764	ug/l	#	88
19) Methyl tert-butyl Ether	5.122	73	122006	21.756	ug/l		96
20) Methylene Chloride	4.616	84	51724	19.205	ug/l	#	83
21) trans-1,2-Dichloroethene	5.116	96	47905	19.056	ug/l		85
22) Diisopropyl ether	6.025	45	179993	21.567	ug/l		92
23) Vinyl Acetate	5.964	43	495411	105.480	ug/l	#	92
24) 1,1-Dichloroethane	5.921	63	99860	20.664	ug/l		96
25) 2-Butanone	6.896	43	89355	109.949	ug/l	#	84
26) 2,2-Dichloropropane	6.890	77	76789	19.098	ug/l		96
27) cis-1,2-Dichloroethene	6.890	96	57412	19.867	ug/l		81
28) Bromochloromethane	7.250	49	44968	19.873	ug/l	#	68
29) Tetrahydrofuran	7.262	42	54334	115.848	ug/l	#	82
30) Chloroform	7.427	83	98995	20.644	ug/l		94
31) Cyclohexane	7.707	56	83960	17.946	ug/l		90
32) 1,1,1-Trichloroethane	7.622	97	84780	20.250	ug/l		95
36) 1,1-Dichloropropene	7.835	75	70180	19.032	ug/l		94
37) Ethyl Acetate	6.988	43	37091	21.098	ug/l		96
38) Carbon Tetrachloride	7.817	117	70341	18.970	ug/l		96
39) Methylcyclohexane	9.109	83	81837	17.487	ug/l	#	85
40) Benzene	8.079	78	213939	19.877	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020199.D
Acq On : 07 Nov 2024 12:13
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 08 00:26:27 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	16970	19.270 ug/l	95
42) 1,2-Dichloroethane	8.158	62	62879	21.106 ug/l	93
43) Isopropyl Acetate	8.201	43	74355	21.994 ug/l #	76
44) Trichloroethene	8.866	130	49027	19.654 ug/l	89
45) 1,2-Dichloropropane	9.140	63	53582	20.808 ug/l	96
46) Dibromomethane	9.231	93	28674	20.551 ug/l	90
47) Bromodichloromethane	9.426	83	75167	20.564 ug/l	98
48) Methyl methacrylate	9.219	41	33531	21.413 ug/l #	80
49) 1,4-Dioxane	9.225	88	6506	452.901 ug/l #	84
51) 4-Methyl-2-Pentanone	9.999	43	195622	112.301 ug/l	88
52) Toluene	10.170	92	131888	19.879 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	63850	19.781 ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	78029	20.253 ug/l #	84
55) 1,1,2-Trichloroethane	10.573	97	37342	21.525 ug/l	91
56) Ethyl methacrylate	10.438	69	51378	20.646 ug/l #	72
57) 1,3-Dichloropropane	10.713	76	68017	21.409 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	118481	96.540 ug/l	92
59) 2-Hexanone	10.762	43	136705	109.465 ug/l	86
60) Dibromochloromethane	10.908	129	47292	21.386 ug/l	99
61) 1,2-Dibromoethane	11.018	107	34037	21.118 ug/l	99
64) Tetrachloroethene	10.646	164	42238	19.669 ug/l	95
65) Chlorobenzene	11.438	112	139048	20.065 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	45251	20.438 ug/l	99
67) Ethyl Benzene	11.517	91	251746	19.434 ug/l	98
68) m/p-Xylenes	11.627	106	184669	38.964 ug/l	91
69) o-Xylene	11.950	106	87174	19.427 ug/l	90
70) Styrene	11.969	104	147300	19.854 ug/l	95
71) Bromoform	12.127	173	24902	21.924 ug/l #	98
73) Isopropylbenzene	12.255	105	235806	19.426 ug/l	97
74) N-amyl acetate	12.072	43	65120	21.462 ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	44725	21.068 ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	30915m	21.705 ug/l	
77) Bromobenzene	12.529	156	50820	20.702 ug/l	82
78) n-propylbenzene	12.590	91	295297	19.547 ug/l	96
79) 2-Chlorotoluene	12.676	91	165743	19.765 ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	188930	19.387 ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	13805	20.848 ug/l #	82
82) 4-Chlorotoluene	12.773	91	170703	19.965 ug/l	95
83) tert-Butylbenzene	12.993	119	170764	20.040 ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	190101	19.695 ug/l	97
85) sec-Butylbenzene	13.176	105	254170	19.429 ug/l	98
86) p-Isopropyltoluene	13.292	119	203675	19.402 ug/l	97
87) 1,3-Dichlorobenzene	13.285	146	99886	20.029 ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	99165	19.967 ug/l	95
89) n-Butylbenzene	13.615	91	198680	18.880 ug/l	98
90) Hexachloroethane	13.877	117	40559	19.536 ug/l	83
91) 1,2-Dichlorobenzene	13.657	146	89012	20.534 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6632	20.600 ug/l	75
93) 1,2,4-Trichlorobenzene	14.919	180	45298	19.453 ug/l	98
94) Hexachlorobutadiene	15.023	225	23920	18.785 ug/l	99
95) Naphthalene	15.145	128	86524	19.877 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	38492	19.473 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020199.D
Acq On : 07 Nov 2024 12:13
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 08 00:26:27 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

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

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

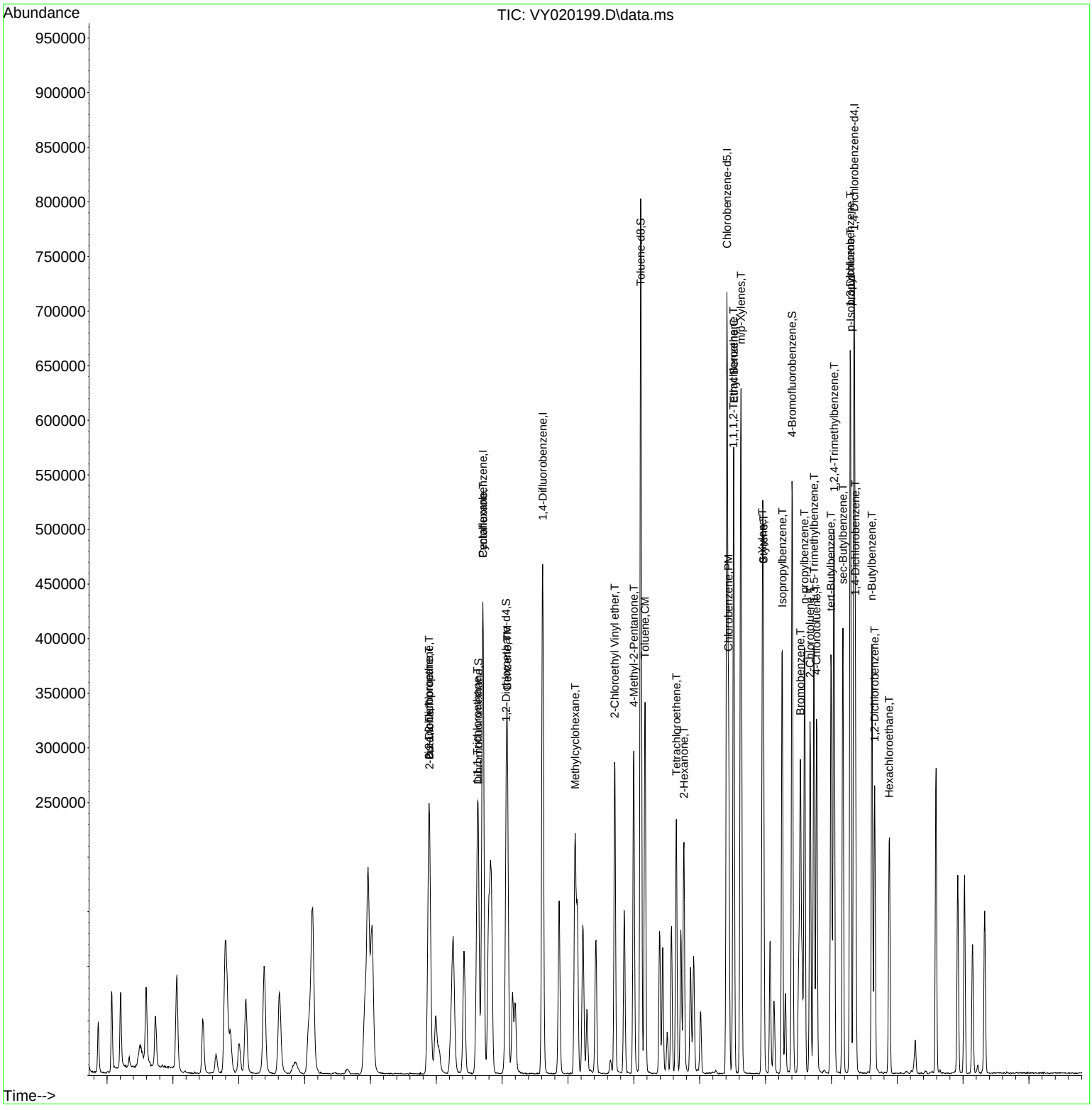
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020199.D
Acq On : 07 Nov 2024 12:13
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 08 00:26:27 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024



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

Manual Integration Report

Sequence:	VY103024	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY020075.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:41:29 AM	MMDadoda	11/1/2024 5:33:21 PM	Peak Integrated by Software
VSTDICC005	VY020075.D	Ethyl Acetate	Romaben	11/1/2024 11:41:29 AM	MMDadoda	11/1/2024 5:33:21 PM	Peak Integrated by Software
VSTDICC010	VY020076.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:41:32 AM	MMDadoda	11/1/2024 5:33:22 PM	Peak Integrated by Software
VSTDICC020	VY020077.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:16 AM	MMDadoda	11/1/2024 5:33:23 PM	Peak Integrated by Software
VSTDICCC050	VY020078.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:03 AM	MMDadoda	11/1/2024 5:33:25 PM	Peak Integrated by Software
VSTDICCC050	VY020078.D	Methacrylonitrile	Romaben	11/1/2024 11:42:03 AM	MMDadoda	11/1/2024 5:33:25 PM	Peak Integrated by Software
VSTDICC100	VY020079.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:20 AM	MMDadoda	11/1/2024 5:33:26 PM	Peak Integrated by Software
VSTDICC150	VY020080.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:07 AM	MMDadoda	11/1/2024 5:33:28 PM	Peak Integrated by Software
VSTDICV050	VY020082.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:10 AM	MMDadoda	11/1/2024 5:33:29 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY110724	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020196.D	1,2,3-Trichloropropane	MMDadoda	11/8/2024 2:36:42 PM	SAM	11/8/2024 2:42:32 PM	Peak Integrated by Software
VY1107SBS01	VY020198.D	1,2,3-Trichloropropane	MMDadoda	11/8/2024 2:36:59 PM	SAM	11/8/2024 2:42:23 PM	Peak Integrated by Software
VY1107SBSD01	VY020199.D	1,2,3-Trichloropropane	MMDadoda	11/8/2024 2:36:53 PM	SAM	11/8/2024 2:42:22 PM	Peak Integrated by Software
P4722-11	VY020206.D	Methylcyclohexane	MMDadoda	11/8/2024 2:36:51 PM	SAM	11/8/2024 2:42:32 PM	Peak Integrated by Software
VSTDCCC050	VY020219.D	1,2,3-Trichloropropane	MMDadoda	11/8/2024 2:36:51 PM	SAM	11/8/2024 2:42:32 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vy110824	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020221.D	1,2,3-Trichloropropane	MMDadoda	11/11/2024 12:59:56 PM	SAM	11/11/2024 1:01:03 PM	Peak Integrated by Software
VY1108SBS01	VY020223.D	1,2,3-Trichloropropane	Romaben	11/11/2024 10:26:52 AM	MMDadoda	11/11/2024 12:59:56 PM	Peak Integrated by Software
VY1108SBS01	VY020223.D	Methacrylonitrile	Romaben	11/11/2024 10:26:52 AM	MMDadoda	11/11/2024 12:59:56 PM	Peak Integrated by Software
VSTDCCC050	VY020237.D	1,2,3-Trichloropropane	MMDadoda	11/11/2024 12:59:59 PM	SAM	11/11/2024 1:01:04 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # 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	VSTDICC005	VY020075.D	30 Oct 2024 12:39	SY/MD	Ok,M
3	VSTDICC010	VY020076.D	30 Oct 2024 13:02	SY/MD	Ok,M
4	VSTDICC020	VY020077.D	30 Oct 2024 13:24	SY/MD	Ok,M
5	VSTDICCC050	VY020078.D	30 Oct 2024 14:06	SY/MD	Ok,M
6	VSTDICC100	VY020079.D	30 Oct 2024 14:29	SY/MD	Ok,M
7	VSTDICC150	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

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110724

Review By	Mahesh Dadoda	Review On	11/8/2024 2:37:02 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/8/2024 2:42:56 PM		
SubDirectory	VY110724	HP Acquire Method		HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131327
Initial Calibration Stds	
CCC	VP131328,VP131329
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020195.D	07 Nov 2024 08:36	SY/MD	Ok
2	VSTDCCC050	VY020196.D	07 Nov 2024 10:27	SY/MD	Ok,M
3	VY1107SBL01	VY020197.D	07 Nov 2024 11:19	SY/MD	Ok
4	VY1107SBS01	VY020198.D	07 Nov 2024 11:50	SY/MD	Ok,M
5	VY1107SBSD01	VY020199.D	07 Nov 2024 12:13	SY/MD	Ok,M
6	P4667-03	VY020200.D	07 Nov 2024 12:36	SY/MD	Ok
7	P4667-07	VY020201.D	07 Nov 2024 13:00	SY/MD	Ok
8	P4667-11	VY020202.D	07 Nov 2024 13:23	SY/MD	Ok
9	P4667-15	VY020203.D	07 Nov 2024 13:47	SY/MD	Ok
10	P4708-01RE	VY020204.D	07 Nov 2024 14:10	SY/MD	Confirms
11	P4706-01	VY020205.D	07 Nov 2024 14:33	SY/MD	Ok
12	P4722-11	VY020206.D	07 Nov 2024 14:57	SY/MD	Ok,M
13	P4722-06	VY020207.D	07 Nov 2024 15:20	SY/MD	Ok
14	P4722-01	VY020208.D	07 Nov 2024 15:44	SY/MD	ReRun
15	P4722-17	VY020209.D	07 Nov 2024 16:07	SY/MD	Ok
16	P4722-19	VY020210.D	07 Nov 2024 16:31	SY/MD	Ok
17	P4722-21	VY020211.D	07 Nov 2024 16:54	SY/MD	Ok
18	P4697-01	VY020212.D	07 Nov 2024 17:17	SY/MD	Ok
19	P4739-15	VY020213.D	07 Nov 2024 17:41	SY/MD	Not Ok
20	P4739-07	VY020214.D	07 Nov 2024 18:04	SY/MD	Ok
21	P4739-03	VY020215.D	07 Nov 2024 18:28	SY/MD	Ok,M

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110724

Review By	Mahesh Dadoda	Review On	11/8/2024 2:37:02 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/8/2024 2:42:56 PM		
SubDirectory	VY110724	HP Acquire Method		HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131327
Initial Calibration Stds	
CCC	VP131328,VP131329
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4734-01	VY020216.D	07 Nov 2024 18:51	SY/MD	ReRun
23	P4719-01	VY020217.D	07 Nov 2024 19:14	SY/MD	Ok
24	P4732-01	VY020218.D	07 Nov 2024 19:38	SY/MD	Not Ok
25	VSTDCCC050	VY020219.D	07 Nov 2024 20:01	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110824

Review By	Mahesh Dadoda	Review On	11/9/2024 4:18:55 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/11/2024 1:01:08 PM				
SubDirectory	VY110824	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103024s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131341
Initial Calibration Stds	
CCC	VP131342,VP131343
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020220.D	08 Nov 2024 08:45	SY/MD	Ok
2	VSTDCCC050	VY020221.D	08 Nov 2024 09:33	SY/MD	Ok,M
3	VY1108SBL01	VY020222.D	08 Nov 2024 10:40	SY/MD	Ok
4	VY1108SBS01	VY020223.D	08 Nov 2024 11:19	SY/MD	Ok,M
5	VY1108SBSD01	VY020224.D	08 Nov 2024 11:41	SY/MD	Ok,M
6	P4734-01	VY020225.D	08 Nov 2024 12:05	SY/MD	Ok
7	P4720-02	VY020226.D	08 Nov 2024 12:28	SY/MD	ReRun
8	P4739-03RE	VY020227.D	08 Nov 2024 12:51	SY/MD	Not Ok
9	P4720-02RE	VY020228.D	08 Nov 2024 13:15	SY/MD	Confirms
10	P4739-15	VY020229.D	08 Nov 2024 13:38	SY/MD	Ok
11	P4722-01	VY020230.D	08 Nov 2024 14:02	SY/MD	Ok
12	P4771-07	VY020231.D	08 Nov 2024 14:25	SY/MD	Ok
13	P4771-05	VY020232.D	08 Nov 2024 14:48	SY/MD	Ok
14	P4718-01	VY020233.D	08 Nov 2024 15:12	SY/MD	Ok
15	P4718-02	VY020234.D	08 Nov 2024 15:35	SY/MD	Ok
16	P4756-03	VY020235.D	08 Nov 2024 15:59	SY/MD	Ok
17	P4737-01	VY020236.D	08 Nov 2024 17:49	SY/MD	Ok
18	VSTDCCC050	VY020237.D	08 Nov 2024 18:12	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # 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	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020074.D	30 Oct 2024 12:07		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020075.D	30 Oct 2024 12:39	Method pass	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY020076.D	30 Oct 2024 13:02		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020077.D	30 Oct 2024 13:24		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY020078.D	30 Oct 2024 14:06		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY020079.D	30 Oct 2024 14:29		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY020080.D	30 Oct 2024 14:52		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020081.D	30 Oct 2024 15:15		SY/MD	Ok
9	VSTDICV050	ICVVY103024	VY020082.D	30 Oct 2024 15:47	fail icv	SY/MD	Not Ok

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110724

Review By	Mahesh Dadoda	Review On	11/8/2024 2:37:02 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/8/2024 2:42:56 PM		
SubDirectory	VY110724	HP Acquire Method		HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131327
Initial Calibration Stds	
CCC	VP131328,VP131329
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	VY020195.D	07 Nov 2024 08:36		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020196.D	07 Nov 2024 10:27		SY/MD	Ok,M
3	VY1107SBL01	VY1107SBL01	VY020197.D	07 Nov 2024 11:19		SY/MD	Ok
4	VY1107SBS01	VY1107SBS01	VY020198.D	07 Nov 2024 11:50		SY/MD	Ok,M
5	VY1107SBSD01	VY1107SBSD01	VY020199.D	07 Nov 2024 12:13		SY/MD	Ok,M
6	P4667-03	BP-F-6-VOC	VY020200.D	07 Nov 2024 12:36	vial-B	SY/MD	Ok
7	P4667-07	BP-F-5-VOC	VY020201.D	07 Nov 2024 13:00	vial-B	SY/MD	Ok
8	P4667-11	TP-10-VOC	VY020202.D	07 Nov 2024 13:23	vial-B	SY/MD	Ok
9	P4667-15	BP-F-7-VOC	VY020203.D	07 Nov 2024 13:47	vial-B	SY/MD	Ok
10	P4708-01RE	OR-02-110424RE	VY020204.D	07 Nov 2024 14:10	vial-B ISTD Fail	SY/MD	Confirms
11	P4706-01	TR-04-110424	VY020205.D	07 Nov 2024 14:33	vial-B	SY/MD	Ok
12	P4722-11	WC-3(5)	VY020206.D	07 Nov 2024 14:57	vial-A	SY/MD	Ok,M
13	P4722-06	WC-2(2)	VY020207.D	07 Nov 2024 15:20	vial-A	SY/MD	Ok
14	P4722-01	WC-1(5.5)	VY020208.D	07 Nov 2024 15:44	Internal Standard Fail vial-A	SY/MD	ReRun
15	P4722-17	WC-1(3.5)	VY020209.D	07 Nov 2024 16:07	vial-A	SY/MD	Ok
16	P4722-19	WC-2(4)	VY020210.D	07 Nov 2024 16:31	vial-A	SY/MD	Ok
17	P4722-21	WC-3(3)	VY020211.D	07 Nov 2024 16:54	vial-A	SY/MD	Ok
18	P4697-01	TP-1	VY020212.D	07 Nov 2024 17:17	vial-B	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110724

Review By	Mahesh Dadoda	Review On	11/8/2024 2:37:02 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/8/2024 2:42:56 PM		
SubDirectory	VY110724	HP Acquire Method		HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131327
Initial Calibration Stds	
CCC	VP131328,VP131329
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4739-15	TP-11-VOC	VY020213.D	07 Nov 2024 17:41	Not purge vial-A	SY/MD	Not Ok
20	P4739-07	BP-G2-VOC	VY020214.D	07 Nov 2024 18:04	vial-A	SY/MD	Ok
21	P4739-03	TP-14-VOC	VY020215.D	07 Nov 2024 18:28	Surrogate Fail, vial-A	SY/MD	Ok,M
22	P4734-01	EO-03-11062024	VY020216.D	07 Nov 2024 18:51	Internal Standard Fail vial-A	SY/MD	ReRun
23	P4719-01	BAYAVE-STOCKPILE	VY020217.D	07 Nov 2024 19:14	vial-A	SY/MD	Ok
24	P4732-01	PPE-COMP	VY020218.D	07 Nov 2024 19:38	Not purge vial-A typo change P4732-01 from P4737-01	SY/MD	Not Ok
25	VSTDCCC050	VSTDCCC050EC	VY020219.D	07 Nov 2024 20:01		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110824

Review By	Mahesh Dadoda	Review On	11/9/2024 4:18:55 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/11/2024 1:01:08 PM		
SubDirectory	VY110824	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131341
Initial Calibration Stds	
CCC	VP131342,VP131343
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	VY020220.D	08 Nov 2024 08:45		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020221.D	08 Nov 2024 09:33	CCC high for com#16	SY/MD	Ok,M
3	VY1108SBL01	VY1108SBL01	VY020222.D	08 Nov 2024 10:40		SY/MD	Ok
4	VY1108SBS01	VY1108SBS01	VY020223.D	08 Nov 2024 11:19		SY/MD	Ok,M
5	VY1108SBSD01	VY1108SBSD01	VY020224.D	08 Nov 2024 11:41		SY/MD	Ok,M
6	P4734-01	EO-03-11062024	VY020225.D	08 Nov 2024 12:05	vial-B	SY/MD	Ok
7	P4720-02	JC-701-VOC-01	VY020226.D	08 Nov 2024 12:28	ISTD Fail vial-A	SY/MD	ReRun
8	P4739-03RE	TP-14-VOCRE	VY020227.D	08 Nov 2024 12:51	CCC high;Surrogate fail;Not match for comp. #39 vila-B	SY/MD	Not Ok
9	P4720-02RE	JC-701-VOC-01RE	VY020228.D	08 Nov 2024 13:15	ISTD Fail vial-B	SY/MD	Confirms
10	P4739-15	TP-11-VOC	VY020229.D	08 Nov 2024 13:38	vial-B	SY/MD	Ok
11	P4722-01	WC-1(5.5)	VY020230.D	08 Nov 2024 14:02	Vial B	SY/MD	Ok
12	P4771-07	P-2	VY020231.D	08 Nov 2024 14:25	Vial A	SY/MD	Ok
13	P4771-05	P-1	VY020232.D	08 Nov 2024 14:48	Vial A	SY/MD	Ok
14	P4718-01	WB-307-SB01	VY020233.D	08 Nov 2024 15:12	Vial A	SY/MD	Ok
15	P4718-02	WB-307-SB02	VY020234.D	08 Nov 2024 15:35	Vial A	SY/MD	Ok
16	P4756-03	BP-B4-VOC	VY020235.D	08 Nov 2024 15:59	vial-A	SY/MD	Ok
17	P4737-01	TP2	VY020236.D	08 Nov 2024 17:49	vial-A	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110824

Review By	Mahesh Dadoda	Review On	11/9/2024 4:18:55 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/11/2024 1:01:08 PM		
SubDirectory	VY110824	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131341
Initial Calibration Stds	
CCC	VP131342,VP131343
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	VSTDCCC050	VSTDCCC050EC	VY020237.D	08 Nov 2024 18:12		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133313

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
P4659-01	MH-2	39	1.13	8.64	9.77	8.64	86.9	
P4662-06	102524-D	29	1.00	1.00	2.00	2.00	100.0	oil sample
P4720-01	JC-701-COMP-01	1	1.16	8.49	9.65	8.85	90.6	
P4720-02	JC-701-VOC-01	2	1.16	8.49	9.65	8.85	90.6	
P4720-03	JC-701-01	3	1.15	8.58	9.73	8.99	91.4	
P4720-04	JC-701-02	4	1.13	8.65	9.78	8.73	87.9	
P4721-01	EX-2-TPH-1	5	1.15	8.82	9.97	8.8	86.7	
P4721-02	EX-2-TPH-2	6	1.18	8.47	9.65	8.21	83.0	
P4721-03	EX-2-TPH-3	7	1.16	8.82	9.98	8.95	88.3	
P4721-04	EX-11-TPH-1	8	1.15	8.53	9.68	7.95	79.7	
P4721-05	EX-11-TPH-2	9	1.12	8.56	9.68	8.95	91.5	
P4721-06	EX-11-TPH-3	10	1.15	8.80	9.95	8.14	79.4	
P4721-07	EX-11-TPH-4	11	1.14	8.83	9.97	8.7	85.6	
P4721-08	EX-9-TPH-1	12	1.16	8.53	9.69	8.3	83.7	
P4721-09	EX-9-TPH-2	13	1.12	8.47	9.59	8.36	85.5	
P4721-10	EX-9-TPH-3	14	1.15	8.42	9.57	8.32	85.2	
P4721-11	EX-9-TPH-4	15	1.12	8.81	9.93	9.00	89.4	
P4721-12	EX-9-TPH-5	16	1.17	8.81	9.98	8.83	86.9	
P4721-13	EX-9-TPH-6	17	1.19	8.79	9.98	8.54	83.6	
P4721-14	EX-9-TPH-7	18	1.19	8.42	9.61	8.5	86.8	
P4721-15	EX-9-TPH-8	19	1.15	8.83	9.98	8.85	87.2	
P4722-01	WC-1(5.5)	20	1.18	8.44	9.62	8.64	88.4	
P4722-03	WC-1(0-6)	21	1.15	8.81	9.96	9.41	93.8	
P4722-06	WC-2(2)	22	1.14	8.61	9.75	8.87	89.8	
P4722-08	WC-2(0-6)	23	1.13	8.79	9.92	9.05	90.1	
P4722-11	WC-3(5)	24	1.14	8.40	9.54	7.17	71.8	
P4722-13	WC-3(0-6)	25	1.17	8.61	9.78	8.63	86.6	
P4722-17	WC-1(3.5)	26	1.19	8.47	9.66	7.95	79.8	

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133313

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
P4722-19	WC-2(4)	27	1.18	8.78	9.96	9.03	89.4	
P4722-21	WC-3(3)	28	1.17	8.69	9.86	8.79	87.7	
P4731-01	NASSAU-ST-CO	30	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4731-02	S.JEFFERSON-CO-1	31	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4731-03	S.JEFFERSON-CO-2	32	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4732-01	PPE-COMP	33	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-02	PPE-COMP	34	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-04	PPE-Grab	35	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-05	PPE-Grab	36	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4734-01	EO-03-11062024	37	1.16	8.48	9.64	9.11	93.7	
P4734-02	EO-03-11062024-E2	38	1.19	8.67	9.86	9.26	93.1	
P4737-01	TP2	40	1.15	8.35	9.5	8.78	91.4	
P4737-02	TP2-E2	41	1.16	8.67	9.83	8.94	89.7	
P4738-01	72-12018	42	1.14	8.70	9.84	2.66	17.5	GEL MARTIX
P4739-01	TP-14	43	1.14	8.71	9.85	8.87	88.7	
P4739-02	TP-14-EPH	44	1.18	8.52	9.7	8.71	88.4	
P4739-03	TP-14-VOC	45	1.13	8.73	9.86	8.75	87.3	
P4739-05	BP-G2	46	1.16	8.71	9.87	8.74	87.0	
P4739-06	BP-G2-EPH	47	1.13	8.52	9.65	8.5	86.5	
P4739-07	BP-G2-VOC	48	1.13	8.85	9.98	8.93	88.1	
P4739-09	BP-B2	49	1.15	8.62	9.77	8.68	87.4	
P4739-10	BP-B2-EPH	50	1.15	8.38	9.53	8.4	86.5	
P4739-11	BP-B2-VOC	51	1.15	8.73	9.88	8.66	86.0	
P4739-13	TP-11	52	1.16	8.37	9.53	8.85	91.9	
P4739-14	TP-11-EPH	53	1.16	8.75	9.91	9.17	91.5	
P4739-15	TP-11-VOC	54	1.12	8.74	9.86	9.11	91.4	

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

WORKLIST(Hardcopy Internal Chain)

VB 133313

WorkList Name : %1-110624 **WorkList ID :** 185146 **Department :** Wet-Chemistry **Date :** 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4659-01	MH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-06	102524-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4720-01	JC-701-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-02	JC-701-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-03	JC-701-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-04	JC-701-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4721-01	EX-2-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-02	EX-2-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-03	EX-2-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-04	EX-11-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-05	EX-11-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-06	EX-11-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-07	EX-11-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-08	EX-9-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-09	EX-9-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-10	EX-9-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-11	EX-9-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-12	EX-9-TPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-13	EX-9-TPH-6	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-14	EX-9-TPH-7	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-15	EX-9-TPH-8	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO

Date/Time 11/06/24 15:40

Raw Sample Received by: BP WC

Raw Sample Relinquished by: SM

Date/Time 11/06/24 17:25

Raw Sample Received by: SM

Raw Sample Relinquished by: BP WC

WORKLIST(Hardcopy Internal Chain)

VB 133313

WorkList Name : %1-110624 **WorkList ID :** 185146 **Department :** Wet-Chemistry **Date :** 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4722-01	WC-1(5.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-03	WC-1(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-06	WC-2(2)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-08	WC-2(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-11	WC-3(5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-13	WC-3(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-17	WC-1(3.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-19	WC-2(4)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-21	WC-3(3)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4731-01	NASSAU-ST-CO	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4731-02	S.JEFFERSON-CO-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4731-03	S.JEFFERSON-CO-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4732-01	PPE-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4732-02	PPE-COMP	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4732-04	PPE-Grab	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4732-05	PPE-Grab	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4734-01	EO-03-11062024	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4734-02	EO-03-11062024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L23	11/06/2024	Chemtech -SO
P4737-01	TP2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L23	11/06/2024	Chemtech -SO
P4737-02	TP2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/05/2024	Chemtech -SO
P4738-01	72-12018	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/05/2024	Chemtech -SO
					PSEG03	L23	11/06/2024	Chemtech -SO

Date/Time 11/06/24 1540

Raw Sample Received by: JG (WC)

Raw Sample Relinquished by: SM

Date/Time 11/06/24 1745

Raw Sample Received by: SM

Raw Sample Relinquished by: JG (WC)

WORKLIST(Hardcopy Internal Chain)

VB 133313

WorkList Name : %1-110624 **WorkList ID :** 185146 **Department :** Wet-Chemistry **Date :** 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4739-01	TP-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-02	TP-14-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-03	TP-14-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-05	BP-G2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-06	BP-G2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-07	BP-G2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-09	BP-B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-10	BP-B2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-11	BP-B2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-13	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-14	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-15	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO

Date/Time 11/06/24 1540
Raw Sample Received by: TB WO C
Raw Sample Relinquished by: SM

Date/Time 11/06/24 1725
Raw Sample Received by: SM
Raw Sample Relinquished by: TB WO C

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

QUOTE NO. P4722
COC Number 2046205

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Walsh Construction Company
ADDRESS: 150 CLOVE ROAD, 11th FLOOR
CITY LITTLE FALLS STATE: NJ ZIP: 07424
ATTENTION:
PHONE: 201-691-6000 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: C547A Construction of Shafts 17B1-18B1
PROJECT NO.: 220084 LOCATION: Shaft 18B-1
PROJECT MANAGER: Jesse SYLVESTRI
e-mail: JSYLVESTRI@WALSHGROUP.COM
PHONE: 201-681-9740 FAX:

CLIENT BILLING INFORMATION

BILL TO: JESSE SYLVESTRI PO#:
ADDRESS: 150 CLOVE ROAD, 11th FLOOR
CITY LITTLE FALLS STATE: NJ ZIP: 07424
ATTENTION: Jesse SYLVESTRI PHONE: 201-681-9740

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 TCL VOCs + TICs, 8260C
2 TCL SVOCs + 10 TICs, 8270D
3 TAL Metals 6010D/7471B
4 Total Cyanide 9012B Tri+ Hex Chrome 3060A/7196A
5 Pest/Herb/PCB 8081B/8082A
6 SPLP VOCs, SVOCs Metals, Pest/Herb/PCB
7 TCLP SVOCs, Pest/Herb/PCB
8 NJ EPH 10/14 GRO 8015D
9 RCRA Characteristics Ignitability, Corrosivity, Reactivity, Sulfide, Cyanide SW846 Ch 7.3
Specific compounds

PRESERVATIVES

Method Blank

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRES 1	PRES 2	PRES 3	PRES 4	PRES 5	PRES 6	PRES 7	PRES 8	PRES 9
1.	WC-1 (5.5)	S		✓	11/5/24	1155	5	X								
2.	WC-1 (3.5)	S		✓		1225	5	X								
3.	WC-1 (0-6)	S	✓			1240	10		X	X	X	X	X	X	X	X
4.	WC-2 (2)	S		✓		1000	5	X								
5.	WC-2 (4)	S		✓		1020	5	X								
6.	WC-2 (0-6)	S	✓			1045	10		X	X	X	X	X	X	X	X
7.	WC-3 (5)	S		✓		815	5	X								
8.	WC-3 (3)	S		✓		845	5	X								
9.	WC-3 (0-6)	S	✓			910	10		X	X	X	X	X	X	X	X
10.																

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

	DATE/TIME	RECEIVED BY:
1 RELINQUISHED BY SAMPLER:	11/5/24 1:15pm	1. Bernie DE
2 RELINQUISHED BY SAMPLER: Bernie DE	11-5-24 1406	2. 1406 11-5-24
3 RELINQUISHED BY SAMPLER:	11-5-24 17:30	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON-COMPLIANT ☐ COOLER TEMP 3.7 °C

Comments: Additional Analyses: Paint Filter 9095A Total Solids SM2540B Total Volatile Solids SM2540B Ammonia as Nitrogen 350.1 Chemical Oxygen Demand 410.4 0.1 and Grease 9071B Full analytes list in email from Bill Fitchett 11/5/24

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4722 WALS01
Client Name : Walsh Construction Compa
Client Contact : Kayla Timony
Invoice Name : Walsh Construction Compa
Invoice Contact : Kayla Timony

Order Date : 11/5/2024 3:33:08 PM
Project Name : NYCDEP C547A - Shafts 1
Receive DateTime : 11/5/2024 5:32:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 2
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 11/6/2024 11:17:21 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4722-01	WC-1(5.5)	Solid	11/05/2024	11:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-06	WC-2(2)	Solid	11/05/2024	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-11	WC-3(5)	Solid	11/05/2024	08:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-17	WC-1(3.5)	Solid	11/05/2024	12:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-19	WC-2(4)	Solid	11/05/2024	10:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-21	WC-3(3)	Solid	11/05/2024	08:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4722 WALS01
Client Name : Walsh Construction Compa
Client Contact : Kayla Timony
Invoice Name : Walsh Construction Compa
Invoice Contact : Kayla Timony

Order Date : 11/5/2024 3:33:08 PM
Project Name : NYCDEP C547A - Shafts 1
Receive DateTime : 11/5/2024 5:32:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 2
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 11/6/2024 11:17:21 AM

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

Relinguished By :
Date / Time : 11/6/24 1218

Received By : Roman 12:20
Date / Time : 11/06/24
Storage Area : VOA Refridgerator Room