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

Cover Page

Order ID : P5112

Project ID : 10th Street & 2nd Avenue

Client : Tully Construction Co., Inc.

Lab Sample Number	Client Sample Number
P5112-01	10TH-ST-SOIL
P5112-02	10TH-ST-SOIL

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 12/10/2024

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 #: **P5112**

	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: **KETAN PATEL** **Date:** **12/10/2024**

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

LAB CHRONICLE

OrderID:	P5112	**OrderDate:**	12/5/2024 10:43:00 AM
Client:	Tully Construction Co., Inc.	**Project:**	10th Street & 2nd Avenue
Contact:	Dean Devoe	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5112-01	**10TH-ST-SOIL**	**SOIL**			**12/05/24**			**12/05/24**
			VOC-TCLVOA-10	8260D			12/06/24	

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

Hit Summary Sheet
SW-846

SDG No.: P5112

Client: Tully Construction Co., Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**10TH-ST-SOIL**								
P5112-01	10TH-ST-SOIL	SOIL	Naphthalene, decahydro-2,3-di	*	5.00	J	0	0	ug/Kg
P5112-01	10TH-ST-SOIL	SOIL	Naphthalene, decahydro-2,6-di	*	4.50	J	0	0	ug/Kg
P5112-01	10TH-ST-SOIL	SOIL	Cyclodecene, 1-methyl-	*	5.30	J	0	0	ug/Kg
P5112-01	10TH-ST-SOIL	SOIL	cis-Decalin, 2-syn-methyl-	*	6.10	J	0	0	ug/Kg
			Total Tics :		20.9				
			Total Concentration:		20.9				

QC SUMMARY

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

Surrogate Summary

SDG No.: P5112

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5112-01	10TH-ST-SOIL	1,2-Dichloroethane-d4	50	51.6	103	50	163
		Dibromofluoromethane	50	49.7	99	54	147
		Toluene-d8	50	49.9	100	58	134
		4-Bromofluorobenzene	50	33.5	67	29	146
VY1206SBL01	VY1206SBL01	1,2-Dichloroethane-d4	50	52.3	105	50	163
		Dibromofluoromethane	50	49.2	98	54	147
		Toluene-d8	50	50.5	101	58	134
		4-Bromofluorobenzene	50	41.7	83	29	146
VY1206SBS01	VY1206SBS01	1,2-Dichloroethane-d4	50	54.0	108	50	163
		Dibromofluoromethane	50	52.7	105	54	147
		Toluene-d8	50	51.9	104	58	134
		4-Bromofluorobenzene	50	53.5	107	29	146
VY1206SBSD01	VY1206SBSD01	1,2-Dichloroethane-d4	50	58.3	117	50	163
		Dibromofluoromethane	50	54.2	108	54	147
		Toluene-d8	50	52.7	105	58	134
		4-Bromofluorobenzene	50	54.4	109	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.: P5112

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D **Datafile :** VY020530.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1206SBS01	Dichlorodifluoromethane	20	18.8	ug/Kg	94			64	136	
	Chloromethane	20	17.2	ug/Kg	86			70	130	
	Vinyl chloride	20	17.7	ug/Kg	89			72	129	
	Bromomethane	20	17.8	ug/Kg	89			58	141	
	Chloroethane	20	18.2	ug/Kg	91			69	130	
	Trichlorofluoromethane	20	19.3	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/Kg	102			81	123	
	1,1-Dichloroethene	20	18.9	ug/Kg	95			79	121	
	Acetone	100	96.8	ug/Kg	97			60	131	
	Carbon disulfide	20	16.4	ug/Kg	82			45	154	
	Methyl tert-butyl Ether	20	22.1	ug/Kg	111			77	129	
	Methyl Acetate	20	24.1	ug/Kg	121			69	149	
	Methylene Chloride	20	21.1	ug/Kg	106			56	174	
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96			80	123	
	1,1-Dichloroethane	20	20.7	ug/Kg	104			82	123	
	Cyclohexane	20	18.3	ug/Kg	92			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			76	129	
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104			82	123	
	Bromochloromethane	20	19.7	ug/Kg	99			80	127	
	Chloroform	20	21.1	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103			80	126	
	Methylcyclohexane	20	18.3	ug/Kg	92			77	123	
	Benzene	20	20.1	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	21.7	ug/Kg	109			81	126	
	Trichloroethene	20	20.5	ug/Kg	103			83	122	
	1,2-Dichloropropane	20	21.1	ug/Kg	106			83	122	
	Bromodichloromethane	20	21.2	ug/Kg	106			82	123	
	4-Methyl-2-Pentanone	100	120	ug/Kg	120			70	135	
	Toluene	20	20.3	ug/Kg	102			83	122	
	t-1,3-Dichloropropene	20	21.8	ug/Kg	109			78	124	
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	22.6	ug/Kg	113			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	22.2	ug/Kg	111			79	125	
	1,2-Dibromoethane	20	21.8	ug/Kg	109			80	125	
	Tetrachloroethene	20	19.7	ug/Kg	99			83	125	
	Chlorobenzene	20	20.3	ug/Kg	102			84	122	
	Ethyl Benzene	20	19.7	ug/Kg	99			82	124	
	m/p-Xylenes	40	39.6	ug/Kg	99			83	124	
	o-Xylene	20	20.3	ug/Kg	102			83	123	
	Styrene	20	20.9	ug/Kg	104			82	124	
	Bromoform	20	22.3	ug/Kg	112			75	127	
	Isopropylbenzene	20	18.2	ug/Kg	91			82	124	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/Kg	103			77	127	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			83	122	
	1,4-Dichlorobenzene	20	20.3	ug/Kg	102			84	121	
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104			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.: P5112

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D **Datafile :** VY020530.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1206SBS01	1,2-Dibromo-3-Chloropropane	20	21.8	ug/Kg	109			66	134	
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104			78	127	
	1,2,3-Trichlorobenzene	20	22.0	ug/Kg	110			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.: P5112

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D **Datafile :** VY020531.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1206SBSD01	Dichlorodifluoromethane	20	18.6	ug/Kg	93	1		64	136	20
	Chloromethane	20	17.8	ug/Kg	89	3		70	130	20
	Vinyl chloride	20	17.7	ug/Kg	89	0		72	129	20
	Bromomethane	20	18.6	ug/Kg	93	4		58	141	20
	Chloroethane	20	18.5	ug/Kg	93	2		69	130	20
	Trichlorofluoromethane	20	19.3	ug/Kg	97	0		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/Kg	102	0		81	123	20
	1,1-Dichloroethene	20	19.6	ug/Kg	98	3		79	121	20
	Acetone	100	100	ug/Kg	100	3		60	131	20
	Carbon disulfide	20	16.4	ug/Kg	82	0		45	154	20
	Methyl tert-butyl Ether	20	23.3	ug/Kg	117	5		77	129	20
	Methyl Acetate	20	25.9	ug/Kg	130	7		69	149	20
	Methylene Chloride	20	22.5	ug/Kg	113	6		56	174	20
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99	3		80	123	20
	1,1-Dichloroethane	20	20.8	ug/Kg	104	0		82	123	20
	Cyclohexane	20	18.6	ug/Kg	93	1		76	122	20
	2-Butanone	100	120	ug/Kg	120	9		69	131	20
	Carbon Tetrachloride	20	20.4	ug/Kg	102	2		76	129	20
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106	2		82	123	20
	Bromochloromethane	20	20.5	ug/Kg	103	4		80	127	20
	Chloroform	20	21.8	ug/Kg	109	3		82	125	20
	1,1,1-Trichloroethane	20	20.7	ug/Kg	104	1		80	126	20
	Methylcyclohexane	20	18.3	ug/Kg	92	0		77	123	20
	Benzene	20	20.4	ug/Kg	102	1		84	121	20
	1,2-Dichloroethane	20	22.5	ug/Kg	113	4		81	126	20
	Trichloroethene	20	20.4	ug/Kg	102	1		83	122	20
	1,2-Dichloropropane	20	20.9	ug/Kg	104	2		83	122	20
	Bromodichloromethane	20	21.9	ug/Kg	110	4		82	123	20
	4-Methyl-2-Pentanone	100	130	ug/Kg	130	8		70	135	20
	Toluene	20	20.6	ug/Kg	103	1		83	122	20
	t-1,3-Dichloropropene	20	22.2	ug/Kg	111	2		78	124	20
	cis-1,3-Dichloropropene	20	21.4	ug/Kg	107	3		81	122	20
	1,1,2-Trichloroethane	20	23.5	ug/Kg	117	3		82	125	20
	2-Hexanone	100	120	ug/Kg	120	9		66	138	20
	Dibromochloromethane	20	23.3	ug/Kg	117	5		79	125	20
	1,2-Dibromoethane	20	23.1	ug/Kg	116	6		80	125	20
	Tetrachloroethene	20	20.5	ug/Kg	103	4		83	125	20
	Chlorobenzene	20	20.7	ug/Kg	104	2		84	122	20
	Ethyl Benzene	20	19.7	ug/Kg	99	0		82	124	20
	m/p-Xylenes	40	39.9	ug/Kg	100	1		83	124	20
	o-Xylene	20	20.4	ug/Kg	102	0		83	123	20
	Styrene	20	20.8	ug/Kg	104	0		82	124	20
	Bromoform	20	23.3	ug/Kg	117	4		75	127	20
	Isopropylbenzene	20	18.7	ug/Kg	94	3		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.0	ug/Kg	105	2		77	127	20
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103	5		83	122	20
	1,4-Dichlorobenzene	20	20.3	ug/Kg	102	0		84	121	20
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	0		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.: P5112

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D **Datafile :** VY020531.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1206SBSD01	1,2-Dibromo-3-Chloropropane	20	23.2	ug/Kg	116	6		66	134	20
	1,2,4-Trichlorobenzene	20	22.0	ug/Kg	110	6		78	127	20
	1,2,3-Trichlorobenzene	20	23.2	ug/Kg	116	5		70	137	20

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1206SBL01

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG NO.: P5112

Lab File ID: VY020529.D Lab Sample ID: VY1206SBL01

Date Analyzed: 12/06/2024 Time Analyzed: 11:31

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
VY1206SBS01	VY1206SBS01	VY020530.D	12/06/2024
VY1206SBSD01	VY1206SBSD01	VY020531.D	12/06/2024
10TH-ST-SOIL	P5112-01	VY020532.D	12/06/2024

COMMENTS:

Raw Data: **VY020471.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: TULL02

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG NO.: P5112

Lab File ID: VY020471.D BFB Injection Date: 12/02/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:23

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	54.3
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	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	78.8
175	5.0 - 9.0% of mass 174	6.2 (7.9) 1
176	95.0 - 101.0% of mass 174	76.6 (97.2) 1
177	5.0 - 9.0% of mass 176	5.3 (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	VY020472.D	12/02/2024	09:16
VSTDICC010	VSTDICC010	VY020473.D	12/02/2024	09:38
VSTDICC020	VSTDICC020	VY020474.D	12/02/2024	10:01
VSTDICCC050	VSTDICCC050	VY020475.D	12/02/2024	10:24
VSTDICC100	VSTDICC100	VY020476.D	12/02/2024	10:46
VSTDICC150	VSTDICC150	VY020477.D	12/02/2024	11:09

Raw Data: **VY020527.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: TULL02

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG NO.: P5112

Lab File ID: VY020527.D BFB Injection Date: 12/06/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:07

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	19.4
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	80.6
175	5.0 - 9.0% of mass 174	6.3 (7.8) 1
176	95.0 - 101.0% of mass 174	78.2 (97) 1
177	5.0 - 9.0% of mass 176	5.4 (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
VSTDCCC050	VSTDCCC050	VY020528.D	12/06/2024	10:54
VY1206SBL01	VY1206SBL01	VY020529.D	12/06/2024	11:31
VY1206SBS01	VY1206SBS01	VY020530.D	12/06/2024	12:19
VY1206SBSD01	VY1206SBSD01	VY020531.D	12/06/2024	12:41
10TH-ST-SOIL	P5112-01	VY020532.D	12/06/2024	13:33

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: TULL02

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG NO.: P5112

Lab File ID: VY020528.D Date Analyzed: 12/06/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:54

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	147499	7.71	227967	8.62	192490	11.42
UPPER LIMIT	294998	8.213	455934	9.122	384980	11.92
LOWER LIMIT	73749.5	7.213	113984	8.122	96245	10.92
EPA SAMPLE NO.						
10TH-ST-SOIL	150239	7.72	255398	8.62	189172	11.43
VY1206SBL01	155816	7.72	263214	8.62	218185	11.42
VY1206SBS01	137074	7.72	217851	8.62	186835	11.42
VY1206SBSD01	134587	7.71	216718	8.62	188190	11.42

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

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

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

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: TULL02

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG NO.: P5112

Lab File ID: VY020528.D Date Analyzed: 12/06/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:54

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

	IS4 AREA #	RT #				
12 HOUR STD	98467	13.352				
UPPER LIMIT	196934	13.852				
LOWER LIMIT	49233.5	12.852				
EPA SAMPLE NO.						
10TH-ST-SOIL	54408	13.35				
VY1206SBL01	85714	13.35				
VY1206SBS01	94820	13.35				
VY1206SBSD01	95244	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: **VY020532.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/05/24
Project:	10th Street & 2nd Avenue	Date Received:	12/05/24
Client Sample ID:	10TH-ST-SOIL	SDG No.:	P5112
Lab Sample ID:	P5112-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.4
Sample Wt/Vol:	6.29 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
VY020532.D	1		12/06/24 13:33	VY120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0014	U	0.0014	0.0043	mg/Kg
74-87-3	Chloromethane	0.0010	U	0.0010	0.0043	mg/Kg
75-01-4	Vinyl Chloride	0.00067	U	0.00067	0.0043	mg/Kg
74-83-9	Bromomethane	0.00090	U	0.00090	0.0043	mg/Kg
75-00-3	Chloroethane	0.00088	U	0.00088	0.0043	mg/Kg
75-69-4	Trichlorofluoromethane	0.00079	U	0.00079	0.0043	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00093	U	0.00093	0.0043	mg/Kg
75-35-4	1,1-Dichloroethene	0.00068	U	0.00068	0.0043	mg/Kg
67-64-1	Acetone	0.0054	U	0.0054	0.022	mg/Kg
75-15-0	Carbon Disulfide	0.0011	U	0.0011	0.0043	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00058	U	0.00058	0.0043	mg/Kg
79-20-9	Methyl Acetate	0.0016	U	0.0016	0.0043	mg/Kg
75-09-2	Methylene Chloride	0.0030	U	0.0030	0.0087	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00073	U	0.00073	0.0043	mg/Kg
75-34-3	1,1-Dichloroethane	0.00055	U	0.00055	0.0043	mg/Kg
110-82-7	Cyclohexane	0.00060	U	0.00060	0.0043	mg/Kg
78-93-3	2-Butanone	0.0049	U	0.0049	0.022	mg/Kg
56-23-5	Carbon Tetrachloride	0.00076	U	0.00076	0.0043	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00053	U	0.00053	0.0043	mg/Kg
74-97-5	Bromochloromethane	0.0021	U	0.0021	0.0043	mg/Kg
67-66-3	Chloroform	0.00058	U	0.00058	0.0043	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00068	U	0.00068	0.0043	mg/Kg
108-87-2	Methylcyclohexane	0.00076	U	0.00076	0.0043	mg/Kg
71-43-2	Benzene	0.00063	U	0.00063	0.0043	mg/Kg
107-06-2	1,2-Dichloroethane	0.00053	U	0.00053	0.0043	mg/Kg
79-01-6	Trichloroethene	0.00065	U	0.00065	0.0043	mg/Kg
78-87-5	1,2-Dichloropropane	0.00057	U	0.00057	0.0043	mg/Kg
75-27-4	Bromodichloromethane	0.00049	U	0.00049	0.0043	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0038	U	0.0038	0.022	mg/Kg
108-88-3	Toluene	0.00058	U	0.00058	0.0043	mg/Kg

Raw Data: **VY020532.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/05/24
Project:	10th Street & 2nd Avenue	Date Received:	12/05/24
Client Sample ID:	10TH-ST-SOIL	SDG No.:	P5112
Lab Sample ID:	P5112-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.4
Sample Wt/Vol:	6.29 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
VY020532.D	1		12/06/24 13:33	VY120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.00052	U	0.00052	0.0043	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.0043	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00073	U	0.00073	0.0043	mg/Kg
591-78-6	2-Hexanone	0.0042	U	0.0042	0.022	mg/Kg
124-48-1	Dibromochloromethane	0.00057	U	0.00057	0.0043	mg/Kg
106-93-4	1,2-Dibromoethane	0.00069	U	0.00069	0.0043	mg/Kg
127-18-4	Tetrachloroethene	0.00077	U	0.00077	0.0043	mg/Kg
108-90-7	Chlorobenzene	0.00064	U	0.00064	0.0043	mg/Kg
100-41-4	Ethyl Benzene	0.00054	U	0.00054	0.0043	mg/Kg
179601-23-1	m/p-Xylenes	0.0012	U	0.0012	0.0087	mg/Kg
95-47-6	o-Xylene	0.00061	U	0.00061	0.0043	mg/Kg
100-42-5	Styrene	0.00052	U	0.00052	0.0043	mg/Kg
75-25-2	Bromoform	0.00070	U	0.00070	0.0043	mg/Kg
98-82-8	Isopropylbenzene	0.00058	U	0.00058	0.0043	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.00096	U	0.00096	0.0043	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00064	U	0.00064	0.0043	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00070	U	0.00070	0.0043	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00051	U	0.00051	0.0043	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.0043	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00069	U	0.00069	0.0043	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.00068	U	0.00068	0.0043	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		50 - 163	103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		54 - 147	99%	SPK: 50
2037-26-5	Toluene-d8	49.9		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.5		29 - 146	67%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	150000	7.719			
540-36-3	1,4-Difluorobenzene	255000	8.622			
3114-55-4	Chlorobenzene-d5	189000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	54400	13.353			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY020532.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/05/24
Project:	10th Street & 2nd Avenue	Date Received:	12/05/24
Client Sample ID:	10TH-ST-SOIL	SDG No.:	P5112
Lab Sample ID:	P5112-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.4
Sample Wt/Vol:	6.29 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
VY020532.D	1		12/06/24 13:33	VY120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
066633-38-3	Cyclodecene, 1-methyl-	5.30	J		14.2	ug/Kg
1000155-85-6	cis-Decalin, 2-syn-methyl-	6.10	J		14.7	ug/Kg
001008-80-6	Naphthalene, decahydro-2,3-dimethy	5.00	J		14.8	ug/Kg
001618-22-0	Naphthalene, decahydro-2,6-dimethy	4.50	J		14.9	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020532.D
Acq On : 06 Dec 2024 13:33
Operator : SY/MD
Sample : P5112-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SOIL

Quant Time: Dec 07 03:24:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

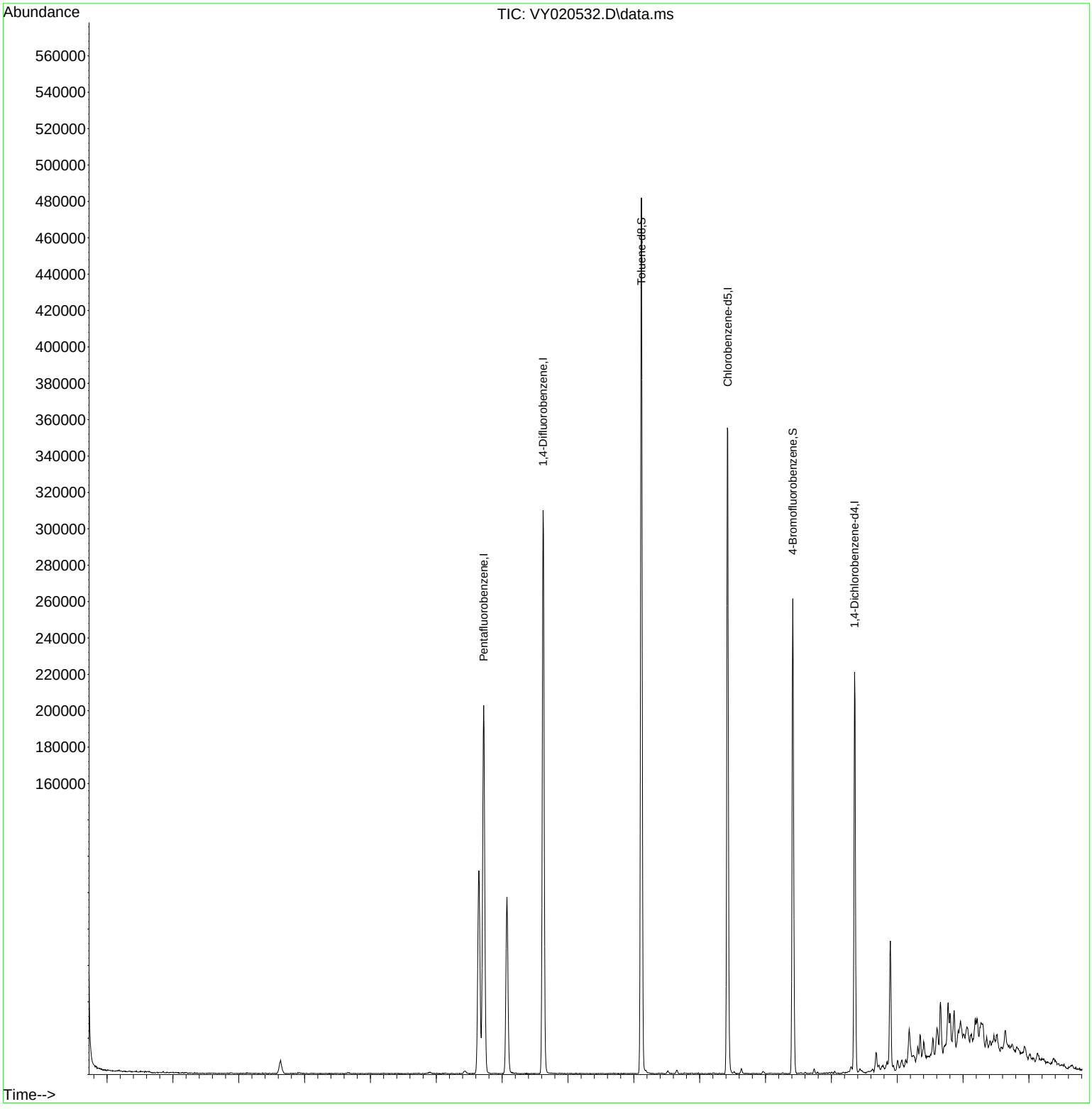
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	150239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	255398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	189172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	54408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	78795	51.569	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.140%			
35) Dibromofluoromethane	7.646	113	79914	49.702	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.400%			
50) Toluene-d8	10.115	98	305761	49.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.880%			
62) 4-Bromofluorobenzene	12.414	95	71693	33.481	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 66.960%			
Target Compounds						Qvalue

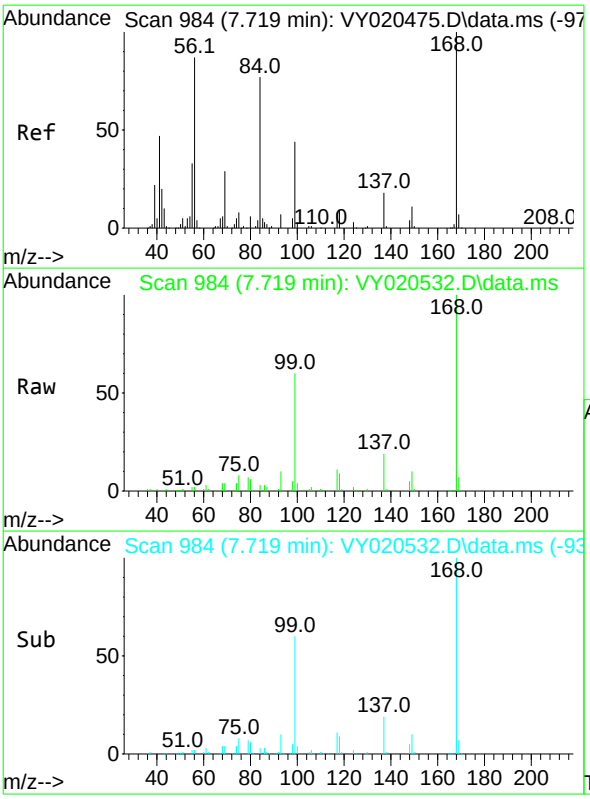
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020532.D
Acq On : 06 Dec 2024 13:33
Operator : SY/MD
Sample : P5112-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SOIL

Quant Time: Dec 07 03:24:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration



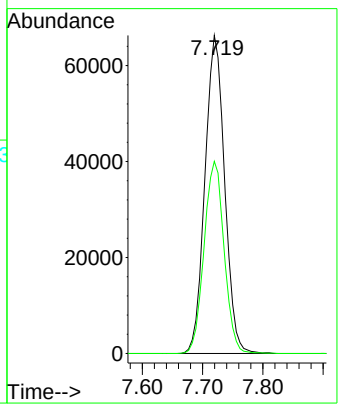


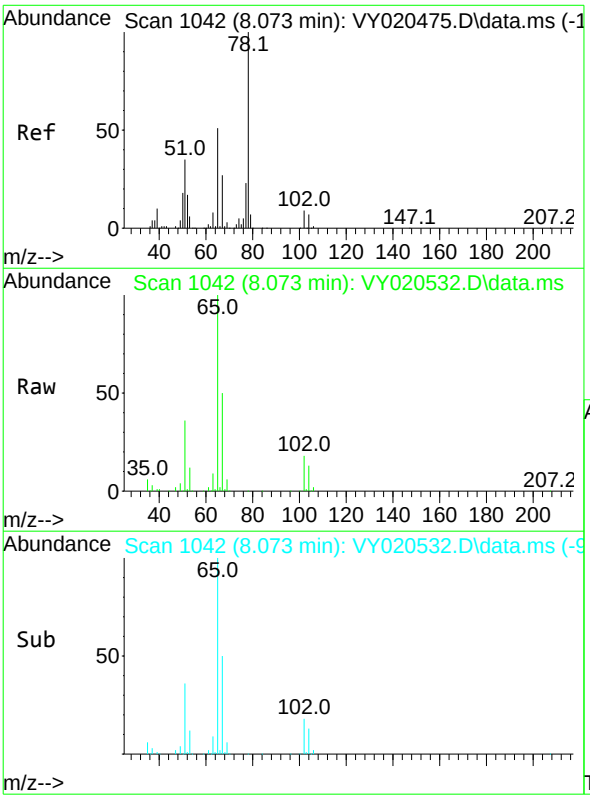
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020532.D
Acq: 06 Dec 2024 13:33

Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SOIL

Tgt Ion:168 Resp: 150239

Ion	Ratio	Lower	Upper
168	100		
99	60.4	46.6	69.8

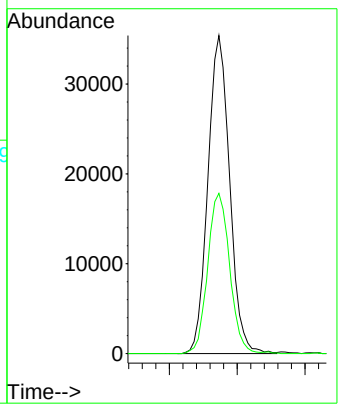


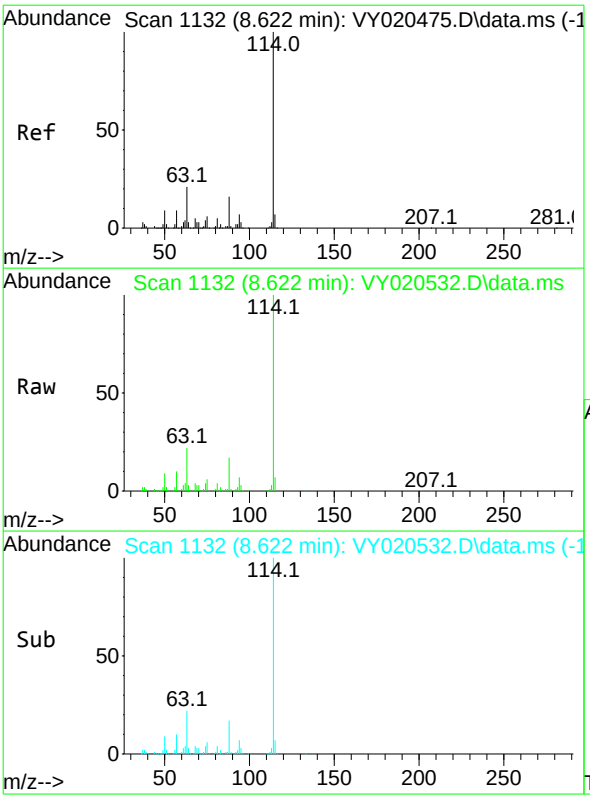


#33
1,2-Dichloroethane-d4
Concen: 51.569 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VY020532.D
Acq: 06 Dec 2024 13:33

Tgt Ion: 65 Resp: 78795

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	105.8



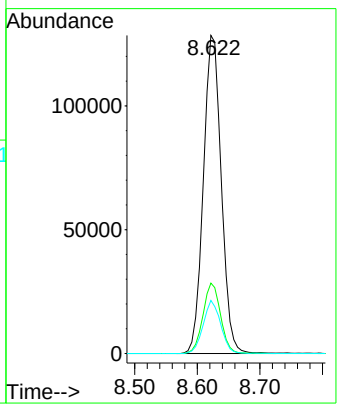


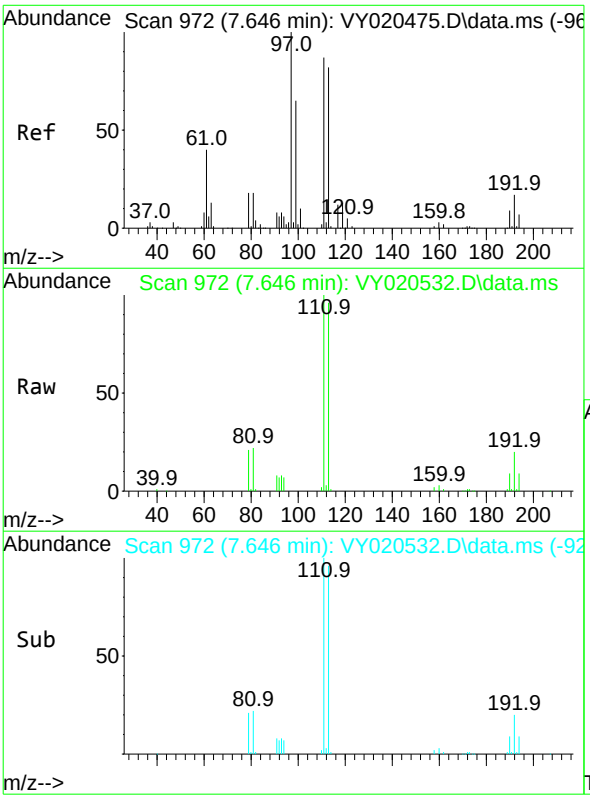
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020532.D
Acq: 06 Dec 2024 13:33

Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SOIL

Tgt Ion:114 Resp: 255398

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.8
88	16.7	0.0	32.0

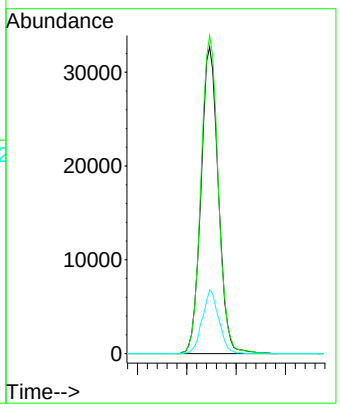


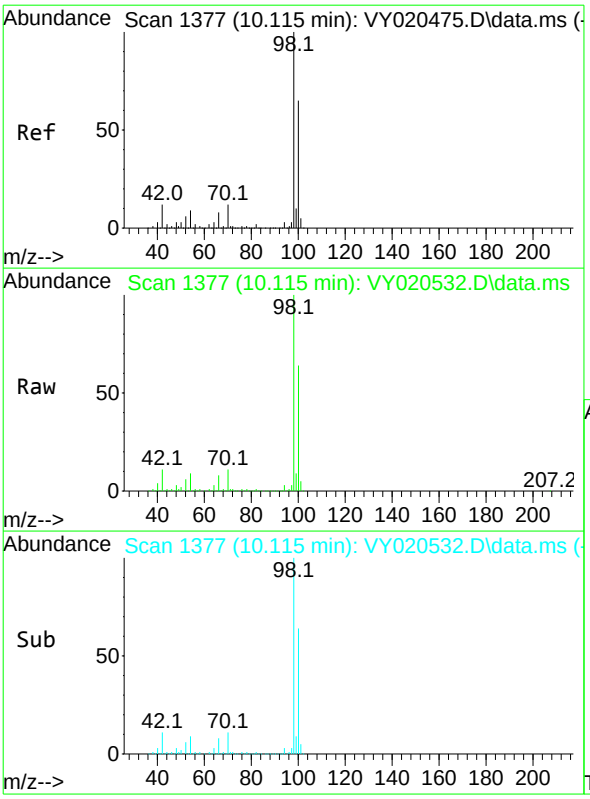


#35
Dibromofluoromethane
Concen: 49.702 ug/l
RT: 7.646 min Scan# 972
Delta R.T. -0.000 min
Lab File: VY020532.D
Acq: 06 Dec 2024 13:33

Tgt Ion:113 Resp: 79914

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.0
192	19.8	15.1	22.7



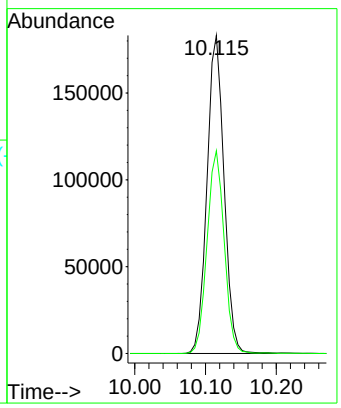


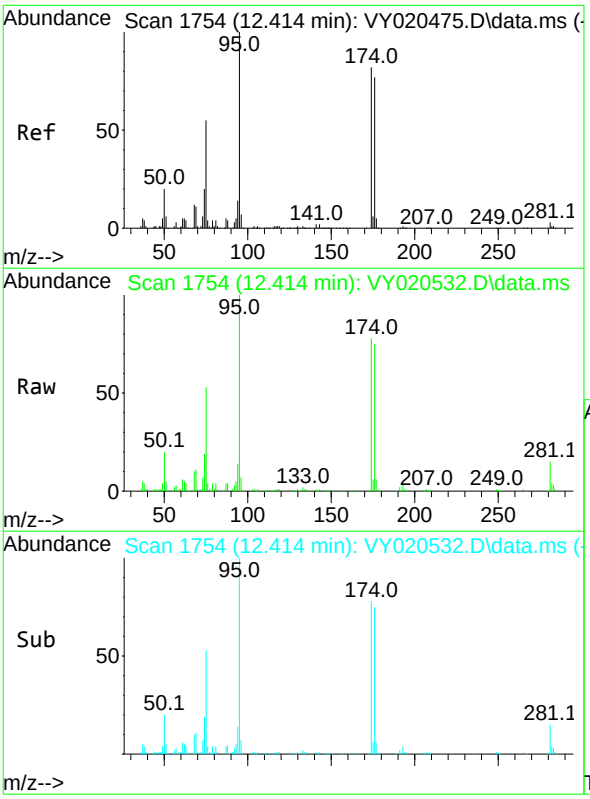
#50
Toluene-d8
Concen: 49.941 ug/l
RT: 10.115 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020532.D
Acq: 06 Dec 2024 13:33

Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SOIL

Tgt Ion: 98 Resp: 305761

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.3	76.9

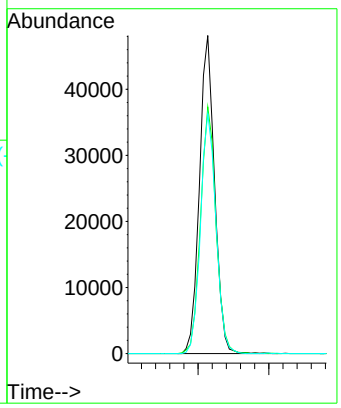


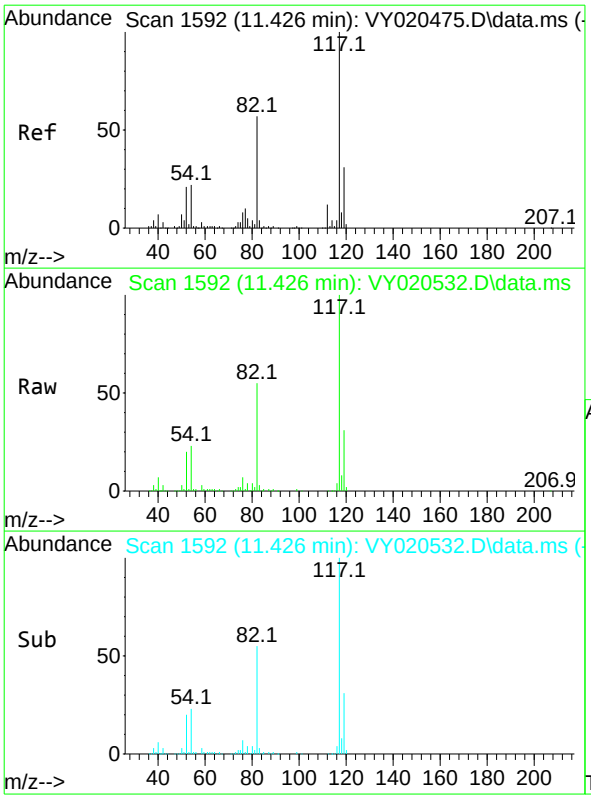


#62
4-Bromofluorobenzene
Concen: 33.481 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020532.D
Acq: 06 Dec 2024 13:33

Tgt Ion: 95 Resp: 71693

Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	156.8
176	76.8	0.0	152.0



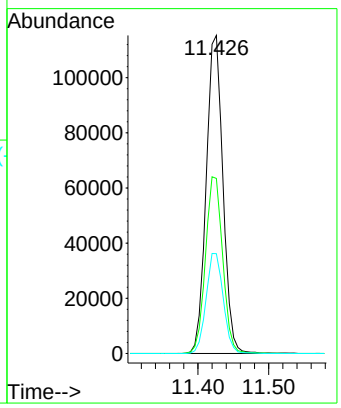


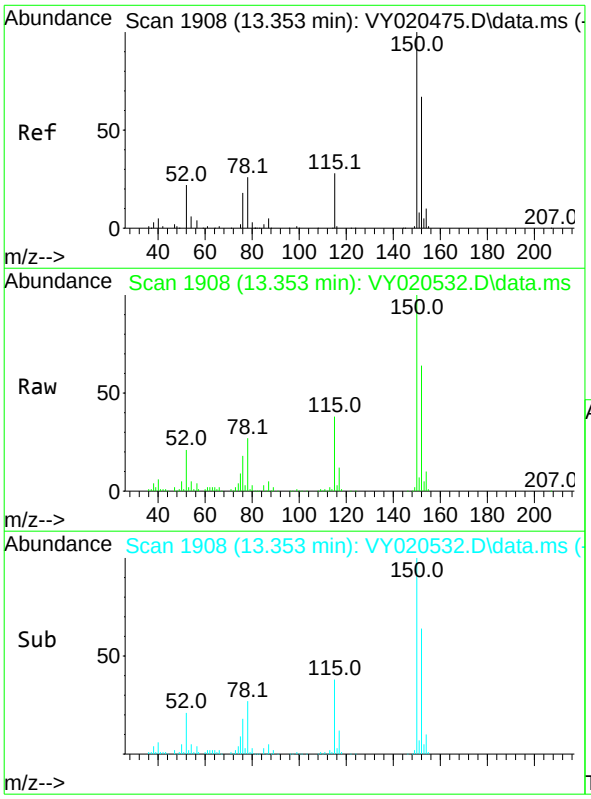
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020532.D
Acq: 06 Dec 2024 13:33

Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SOIL

Tgt Ion:117 Resp: 189172

Ion	Ratio	Lower	Upper
117	100		
82	55.0	48.2	72.4
119	31.4	25.8	38.8

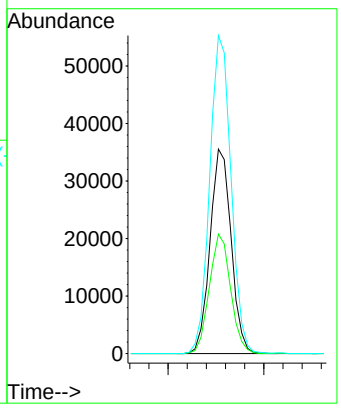




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY020532.D
Acq: 06 Dec 2024 13:33

Tgt Ion:152 Resp: 54408

Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.0	90.0
150	157.2	0.0	348.2



Sample Results: **VY020532.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020532.D
Acq On : 06 Dec 2024 13:33
Operator : SY/MD
Sample : P5112-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SOIL

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\82Y120224S.M
Title : SW846 8260

Signal : TIC: VY020532.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.635	467	478	491	rVB4	7386	20535	2.52%	0.479%
2	7.646	962	972	978	rBV	111448	270885	33.28%	6.324%
3	7.719	978	984	997	rVB	202231	460869	56.62%	10.759%
4	8.073	1033	1042	1053	rBV	97110	213224	26.20%	4.978%
5	8.622	1124	1132	1147	rBV	309610	612162	75.21%	14.290%
6	10.115	1369	1377	1387	rBV	481350	813974	100.00%	19.001%
7	11.420	1584	1591	1604	rBV	355185	606365	74.49%	14.155%
8	12.414	1747	1754	1764	rVB2	261126	435297	53.48%	10.162%
9	13.353	1902	1908	1916	rVB	220000	342904	42.13%	8.005%
10	13.676	1956	1961	1966	rBV5	10820	20903	2.57%	0.488%
11	13.895	1991	1997	2003	rVB	69352	110921	13.63%	2.589%
12	14.005	2010	2015	2019	rBV6	5354	9280	1.14%	0.217%
13	14.182	2038	2044	2051	rBV8	18449	41901	5.15%	0.978%
14	14.310	2060	2065	2068	rBV6	8519	14350	1.76%	0.335%
15	14.346	2068	2071	2075	rVV3	14063	22235	2.73%	0.519%
16	14.401	2076	2080	2087	rVB8	9359	17265	2.12%	0.403%
17	14.541	2099	2103	2108	rVB3	8939	12390	1.52%	0.289%
18	14.602	2108	2113	2118	rBV6	14668	31958	3.93%	0.746%
19	14.657	2118	2122	2128	rVB3	28110	48182	5.92%	1.125%
20	14.773	2136	2141	2144	rBV3	22894	39692	4.88%	0.927%
21	14.804	2144	2146	2151	rVB3	15376	18561	2.28%	0.433%
22	14.864	2151	2156	2161	rVB4	20201	35185	4.32%	0.821%
23	14.925	2163	2166	2168	rBV3	6406	8573	1.05%	0.200%
24	15.188	2204	2209	2210	rBV4	11430	15721	1.93%	0.367%
25	15.273	2218	2223	2225	rBV6	7712	14823	1.82%	0.346%
26	15.639	2280	2283	2291	rVB10	9085	17111	2.10%	0.399%
27	15.931	2328	2331	2340	rVB8	7232	17567	2.16%	0.410%
28	16.133	2358	2364	2368	rBV8	4833	10910	1.34%	0.255%

Sum of corrected areas: 4283743

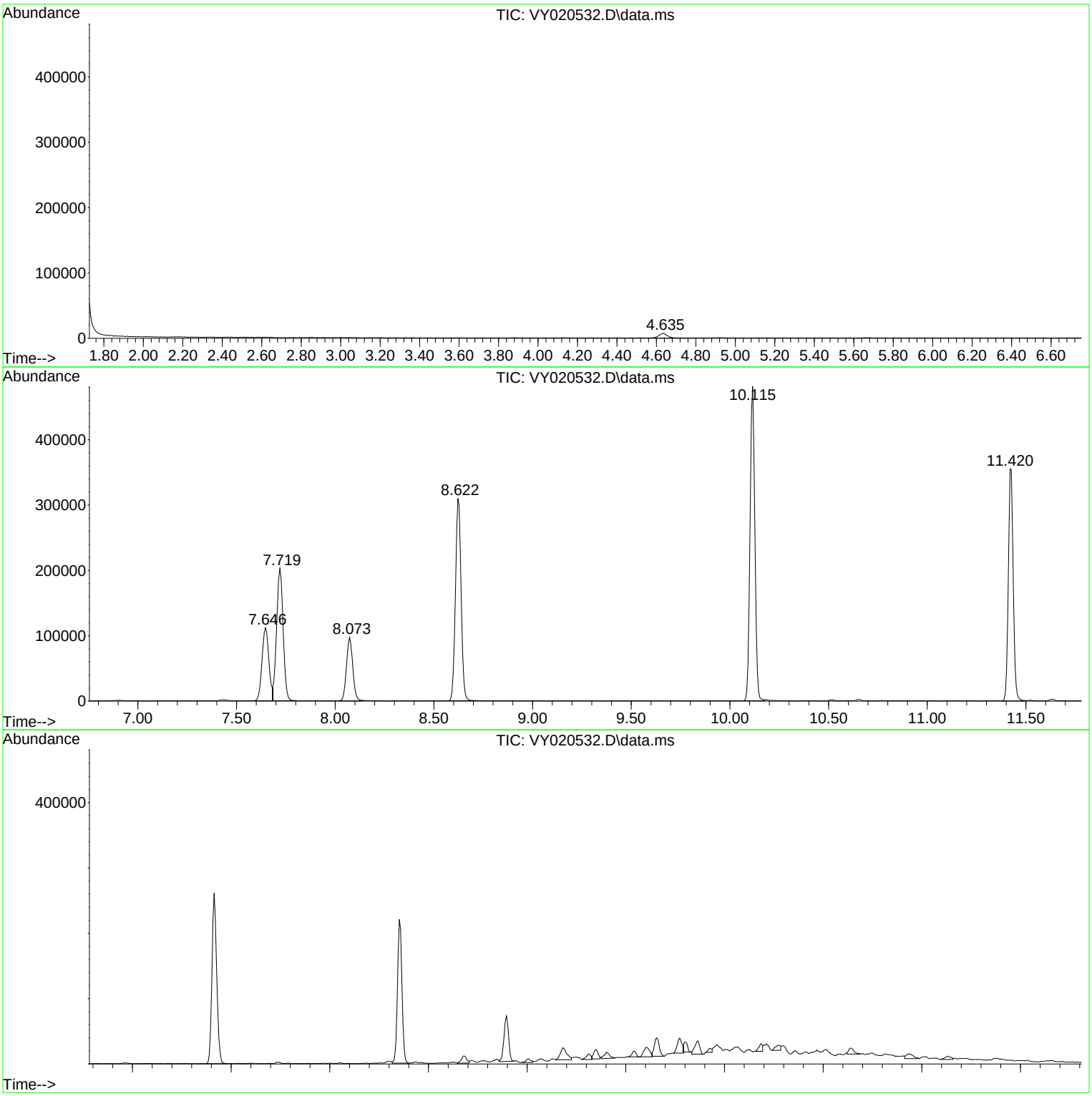
Sample Results: **VY020532.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020532.D
Acq On : 06 Dec 2024 13:33
Operator : SY/MD
Sample : P5112-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

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



Sample Results: **VY020532.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020532.D
Acq On : 06 Dec 2024 13:33
Operator : SY/MD
Sample : P5112-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SOIL

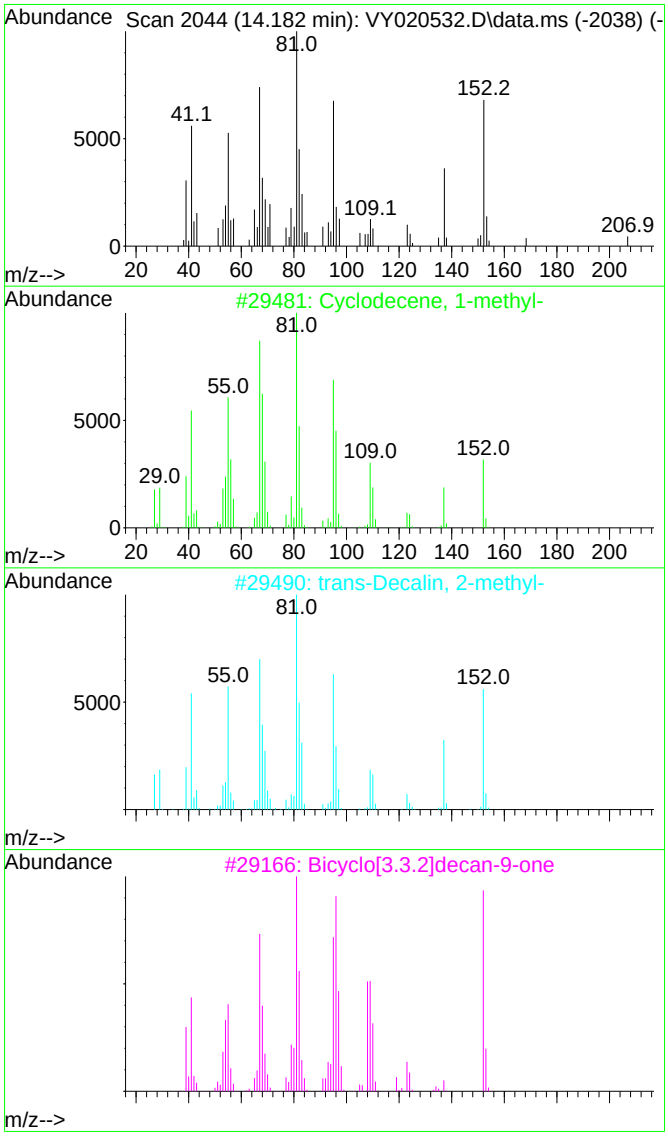
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

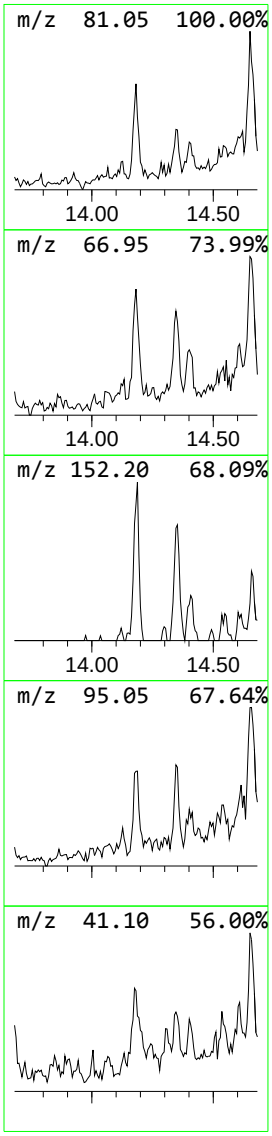
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclodecene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.182	6.11 ug/l	41901	1,4-Dichlorobenzene-d4	13.353

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	91
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
3	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	87
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020532.D
Acq On : 06 Dec 2024 13:33
Operator : SY/MD
Sample : P5112-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SOIL

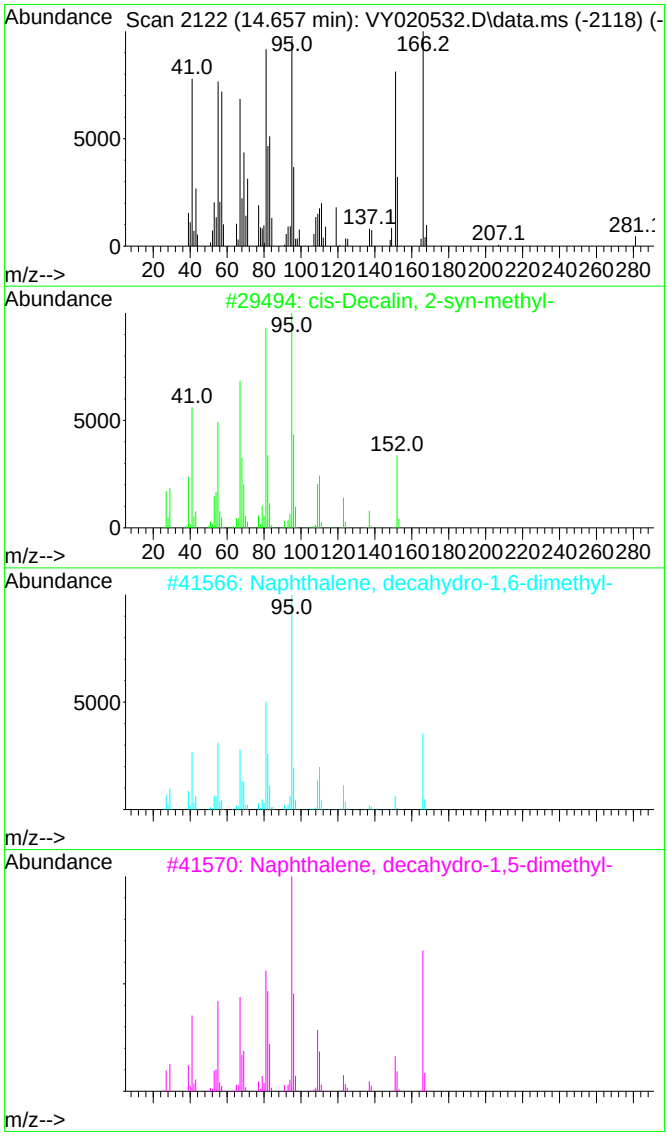
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

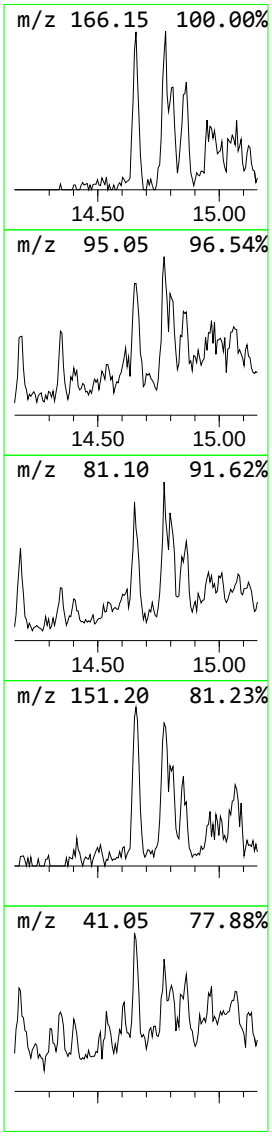
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 cis-Decalin, 2-syn-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.657	7.03 ug/l	48182	1,4-Dichlorobenzene-d4	13.353

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	64
2	Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	55
3	Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	53
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	49
5	Spiro[5.6]dodecane	166	C12H22	000181-15-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020532.D
Acq On : 06 Dec 2024 13:33
Operator : SY/MD
Sample : P5112-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SOIL

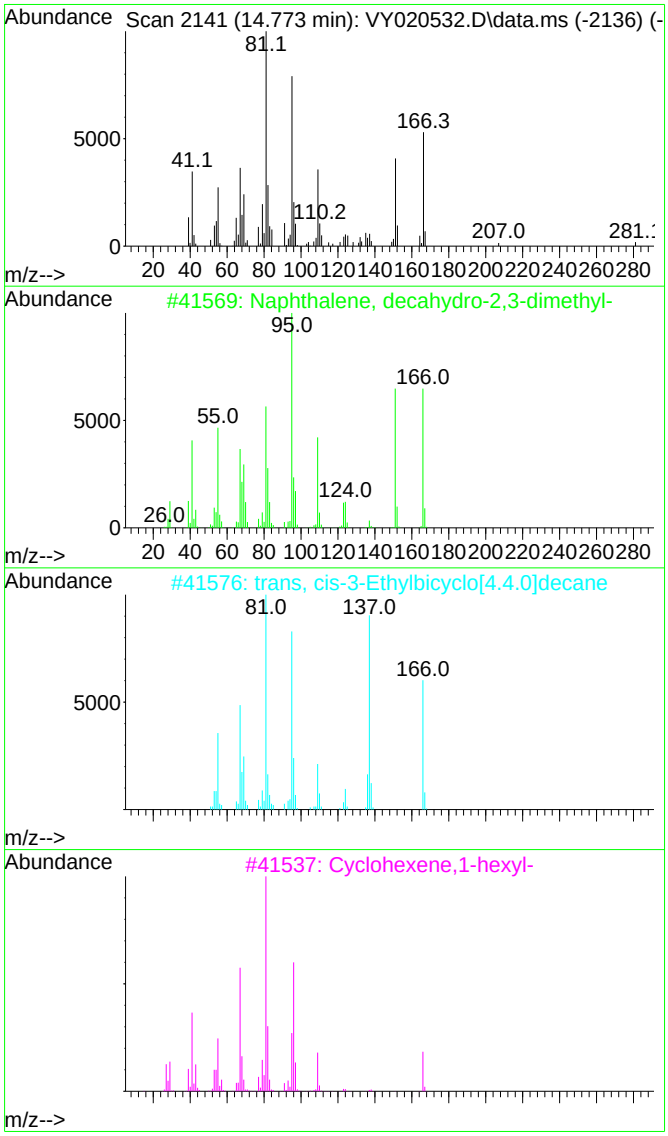
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

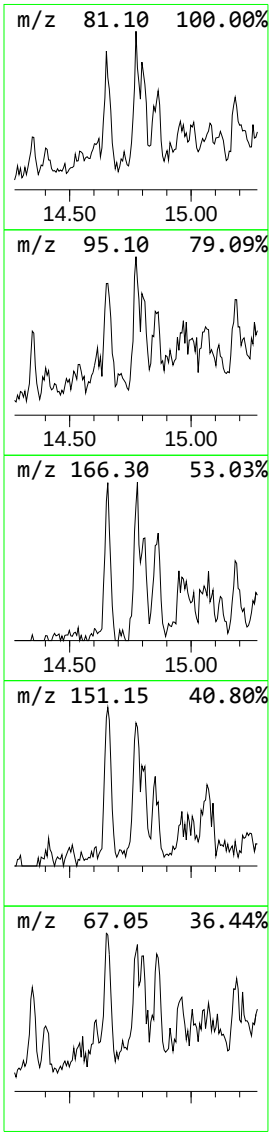
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, decahydro-2,3-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.773	5.79 ug/l	39692	1,4-Dichlorobenzene-d4	13.353

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	86
2	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	64
3	Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	49
4	cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	49
5	2-n-Heptylfuran	166	C11H18O	003777-71-7	46





Sample Results: **VY020532.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020532.D
Acq On : 06 Dec 2024 13:33
Operator : SY/MD
Sample : P5112-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SOIL

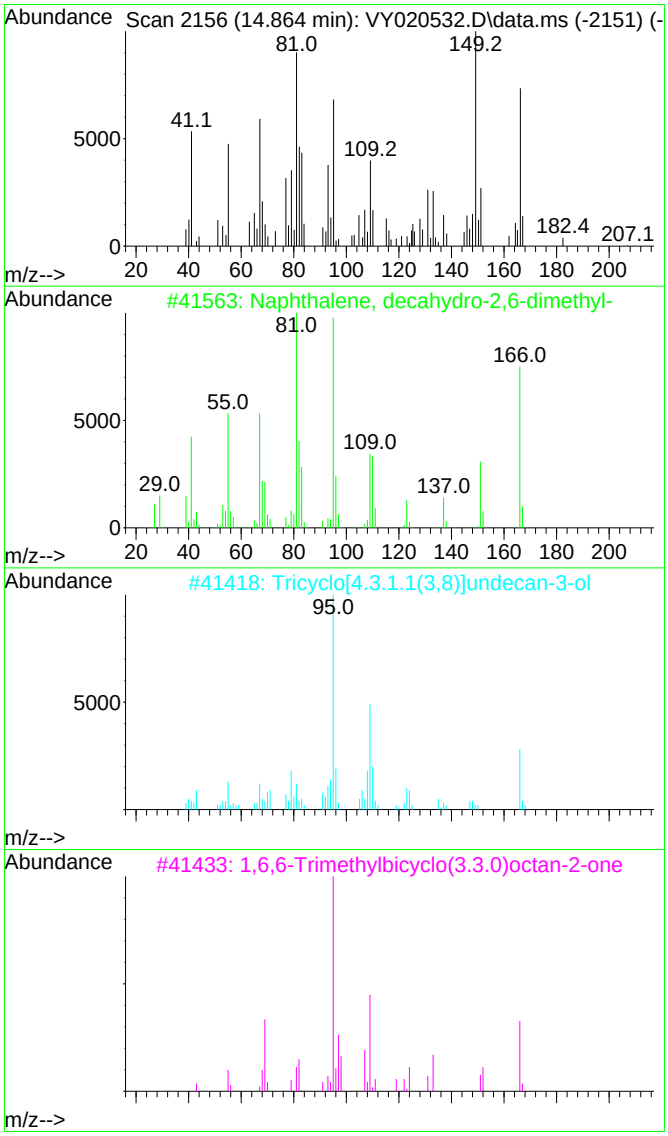
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

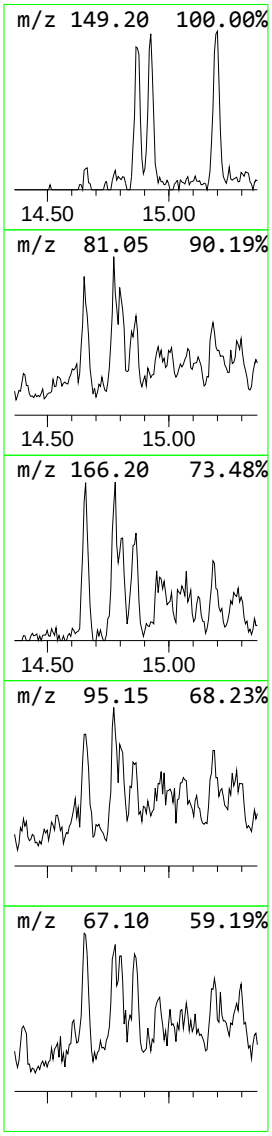
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, decahydro-2,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.865	5.13 ug/l	35185	1,4-Dichlorobenzene-d4	13.353

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	60
2	Tricyclo[4.3.1.1(3,8)]undecan-3-ol	166	C11H18O	014504-80-4	30
3	1,6,6-Trimethylbicyclo(3.3.0)oct...	166	C11H18O	1000427-23-1	30
4	Bicyclo[4.1.0]heptane, 3-methyl-	110	C8H14	041977-47-3	30
5	3-(1H-Imidazol-4-yl)-propan-1-ol	126	C6H10N2O	049549-75-9	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020532.D
Acq On : 06 Dec 2024 13:33
Operator : SY/MD
Sample : P5112-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.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
Cyclodecene, 1-...	14.182	6.1	ug/l	41901	4	13.353	342904	50.0
cis-Decalin, 2-...	14.657	7.0	ug/l	48182	4	13.353	342904	50.0
Naphthalene, de...	14.773	5.8	ug/l	39692	4	13.353	342904	50.0
Naphthalene, de...	14.865	5.1	ug/l	35185	4	13.353	342904	50.0

CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG No.: P5112

Instrument ID: MSVOA_Y Calibration Date(s): 12/02/2024 12/02/2024

Heated Purge: (Y/N) Y Calibration Time(s): 09:16 11:09

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

LAB FILE ID: RRF005 = VY020472.D RRF010 = VY020473.D RRF020 = VY020474.D
RRF050 = VY020475.D RRF100 = VY020476.D RRF150 = VY020477.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.506	0.450	0.422	0.527	0.509	0.512	0.488	8.5
Chloromethane	0.534	0.456	0.433	0.525	0.497	0.518	0.494	8.2
Vinyl Chloride	0.526	0.476	0.443	0.540	0.511	0.526	0.503	7.4
Bromomethane	0.322	0.285	0.254	0.307	0.298	0.306	0.295	8
Chloroethane	0.325	0.298	0.285	0.317	0.308	0.318	0.309	4.8
Trichlorofluoromethane	1.019	0.919	0.858	0.971	0.929	0.962	0.943	5.8
1,1,2-Trichlorotrifluoroethane	0.615	0.548	0.530	0.551	0.516	0.537	0.549	6.3
1,1-Dichloroethene	0.560	0.505	0.472	0.534	0.511	0.532	0.519	5.8
Acetone	0.134	0.111	0.099	0.146	0.126	0.142	0.126	14.4
Carbon Disulfide	1.446	1.331	1.244	1.660	1.588	1.645	1.486	11.7
Methyl tert-butyl Ether	1.468	1.275	1.213	1.358	1.273	1.366	1.326	6.8
Methyl Acetate	0.302	0.270	0.235	0.279	0.248	0.279	0.269	9
Methylene Chloride	0.588	0.536	0.499	0.537	0.524	0.544	0.538	5.4
trans-1,2-Dichloroethene	0.648	0.565	0.528	0.580	0.564	0.573	0.576	6.8
1,1-Dichloroethane	1.215	1.144	1.053	1.092	1.058	1.089	1.108	5.5
Cyclohexane	1.172	1.028	0.912	0.999	0.949	0.951	1.002	9.3
2-Butanone	0.171	0.149	0.137	0.179	0.151	0.171	0.160	10.2
Carbon Tetrachloride	0.670	0.639	0.600	0.649	0.619	0.629	0.634	3.8
cis-1,2-Dichloroethene	0.723	0.677	0.644	0.675	0.648	0.672	0.673	4.2
Bromochloromethane	0.447	0.385	0.364	0.445	0.419	0.423	0.414	8.1
Chloroform	1.268	1.164	1.086	1.111	1.085	1.111	1.137	6.2
1,1,1-Trichloroethane	1.217	1.120	1.030	1.084	1.055	1.066	1.095	6.1
Methylcyclohexane	0.669	0.643	0.602	0.693	0.676	0.674	0.660	4.9
Benzene	1.687	1.588	1.474	1.586	1.531	1.538	1.567	4.6
1,2-Dichloroethane	0.436	0.414	0.381	0.428	0.397	0.415	0.412	4.9
Trichloroethene	0.409	0.387	0.373	0.388	0.379	0.381	0.386	3.2
1,2-Dichloropropane	0.414	0.371	0.354	0.360	0.348	0.353	0.367	6.7
Bromodichloromethane	0.588	0.539	0.507	0.531	0.515	0.531	0.535	5.3
4-Methyl-2-Pentanone	0.222	0.206	0.190	0.225	0.199	0.218	0.210	6.7
Toluene	1.027	0.984	0.924	0.995	0.963	0.974	0.978	3.5

* 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.

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: TULL02

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG No.: P5112

Instrument ID: MSVOA_Y Calibration Date(s): 12/02/2024 12/02/2024

Heated Purge: (Y/N) Y Calibration Time(s): 09:16 11:09

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

LAB FILE ID: RRF005 = VY020472.D RRF010 = VY020473.D RRF020 = VY020474.D
RRF050 = VY020475.D RRF100 = VY020476.D RRF150 = VY020477.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.503	0.463	0.445	0.496	0.477	0.497	0.480	4.7
cis-1,3-Dichloropropene	0.595	0.556	0.534	0.581	0.563	0.577	0.568	3.8
1,1,2-Trichloroethane	0.258	0.252	0.227	0.247	0.231	0.238	0.242	4.9
2-Hexanone	0.154	0.140	0.131	0.172	0.149	0.163	0.152	9.9
Dibromochloromethane	0.371	0.336	0.311	0.346	0.323	0.337	0.337	6
1,2-Dibromoethane	0.245	0.215	0.207	0.227	0.213	0.223	0.222	6.1
Tetrachloroethene	0.456	0.434	0.400	0.420	0.408	0.417	0.422	4.8
Chlorobenzene	1.336	1.297	1.200	1.233	1.213	1.240	1.253	4.2
Ethyl Benzene	2.481	2.386	2.268	2.344	2.291	2.325	2.349	3.2
m/p-Xylenes	0.909	0.881	0.837	0.848	0.839	0.847	0.860	3.3
o-Xylene	0.841	0.834	0.779	0.805	0.780	0.796	0.806	3.3
Styrene	1.403	1.379	1.293	1.347	1.311	1.334	1.344	3.1
Bromoform	0.248	0.224	0.211	0.230	0.213	0.230	0.226	5.9
Isopropylbenzene	5.309	4.936	4.771	4.571	4.664	4.775	4.838	5.4
1,1,2,2-Tetrachloroethane	0.794	0.697	0.662	0.685	0.644	0.692	0.696	7.5
1,3-Dichlorobenzene	2.129	1.990	1.872	1.846	1.850	1.905	1.932	5.7
1,4-Dichlorobenzene	2.082	1.949	1.853	1.809	1.797	1.859	1.892	5.7
1,2-Dichlorobenzene	1.772	1.698	1.595	1.579	1.548	1.639	1.639	5.1
1,2-Dibromo-3-Chloropropane	0.112	0.106	0.096	0.108	0.099	0.111	0.105	6.4
1,2,4-Trichlorobenzene	0.919	0.890	0.825	0.921	0.965	1.007	0.921	6.8
1,2,3-Trichlorobenzene	0.715	0.722	0.666	0.759	0.782	0.818	0.743	7.3
1,2-Dichloroethane-d4	0.582	0.471	0.439	0.557	0.491	0.511	0.509	10.5
Dibromofluoromethane	0.352	0.296	0.275	0.346	0.308	0.311	0.315	9.4
Toluene-d8	1.315	1.127	1.059	1.320	1.183	1.188	1.199	8.6
4-Bromofluorobenzene	0.504	0.389	0.364	0.451	0.403	0.405	0.419	12

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y120224S.M
Title : SW846 8260
Last Update : Tue Dec 03 01:39:23 2024
Response Via : Initial Calibration

Calibration Files
5 =VY020472.D 10 =VY020473.D 20 =VY020474.D 50 =VY020475.D 100 =VY020476.D 150 =VY020477.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.506	0.450	0.422	0.527	0.509	0.512	0.488	8.54
3)	P	Chloromethane	0.534	0.456	0.433	0.525	0.497	0.518	0.494	8.24
4)	C	Vinyl Chloride	0.526	0.476	0.443	0.540	0.511	0.526	0.503	7.36#
5)	T	Bromomethane	0.322	0.285	0.254	0.307	0.298	0.306	0.295	7.96
6)	T	Chloroethane	0.325	0.298	0.285	0.317	0.308	0.318	0.309	4.82
7)	T	Trichlorofluor...	1.019	0.919	0.858	0.971	0.929	0.962	0.943	5.77
8)	T	Diethyl Ether	0.304	0.254	0.249	0.267	0.254	0.276	0.267	7.77
9)	T	1,1,2-Trichlor...	0.615	0.548	0.530	0.551	0.516	0.537	0.549	6.26
10)	T	Methyl Iodide	0.599	0.582	0.560	0.664	0.643	0.654	0.617	6.86
11)	T	Tert butyl alc...	0.040	0.034	0.030	0.033	0.027	0.033	0.033	12.77
12)	CM	1,1-Dichloroet...	0.560	0.505	0.472	0.534	0.511	0.532	0.519	5.84#
13)	T	Acrolein	0.040	0.031	0.031	0.028	0.027	0.029	0.031	15.77
14)	T	Allyl chloride	1.014	0.900	0.860	0.943	0.901	0.936	0.926	5.65
15)	T	Acrylonitrile	0.123	0.107	0.103	0.116	0.104	0.115	0.111	7.15
16)	T	Acetone	0.134	0.111	0.099	0.146	0.126	0.142	0.126	14.45
17)	T	Carbon Disulfide	1.446	1.331	1.244	1.660	1.588	1.645	1.486	11.66
18)	T	Methyl Acetate	0.302	0.270	0.235	0.279	0.248	0.279	0.269	9.01
19)	T	Methyl tert-bu...	1.468	1.275	1.213	1.358	1.273	1.366	1.326	6.81
20)	T	Methylene Chlo...	0.588	0.536	0.499	0.537	0.524	0.544	0.538	5.39
21)	T	trans-1,2-Dich...	0.648	0.565	0.528	0.580	0.564	0.573	0.576	6.83
22)	T	Diisopropyl ether	2.031	1.855	1.750	1.858	1.742	1.809	1.841	5.74
23)	T	Vinyl Acetate	1.023	0.942	0.894	1.027	0.946	1.009	0.974	5.55
24)	P	1,1-Dichloroet...	1.215	1.144	1.053	1.092	1.058	1.089	1.108	5.54
25)	T	2-Butanone	0.171	0.149	0.137	0.179	0.151	0.171	0.160	10.23
26)	T	2,2-Dichloropr...	1.165	1.075	0.995	1.033	0.996	1.025	1.048	6.15
27)	T	cis-1,2-Dichlo...	0.723	0.677	0.644	0.675	0.648	0.672	0.673	4.20
28)	T	Bromochloromet...	0.447	0.385	0.364	0.445	0.419	0.423	0.414	8.06
29)	T	Tetrahydrofuran	0.102	0.089	0.081	0.098	0.083	0.094	0.091	9.33
30)	C	Chloroform	1.268	1.164	1.086	1.111	1.085	1.111	1.137	6.15#
31)	T	Cyclohexane	1.172	1.028	0.912	0.999	0.949	0.951	1.002	9.28
32)	T	1,1,1-Trichlor...	1.217	1.120	1.030	1.084	1.055	1.066	1.095	6.09
33)	S	1,2-Dichloroet...	0.582	0.471	0.439	0.557	0.491	0.511	0.509	10.49
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.352	0.296	0.275	0.346	0.308	0.311	0.315	9.38
36)	T	1,1-Dichloropr...	0.563	0.539	0.501	0.550	0.516	0.521	0.532	4.36
37)	T	Ethyl Acetate	0.247	0.199	0.191	0.219	0.194	0.214	0.211	9.94
38)	T	Carbon Tetrach...	0.670	0.639	0.600	0.649	0.619	0.629	0.634	3.84
39)	T	Methylcyclohexane	0.669	0.643	0.602	0.693	0.676	0.674	0.660	4.95
40)	TM	Benzene	1.687	1.588	1.474	1.586	1.531	1.538	1.567	4.60
41)	T	Methacrylonitrile	0.132	0.116	0.097	0.134	0.105	0.133	0.120	13.38
42)	TM	1,2-Dichloroet...	0.436	0.414	0.381	0.428	0.397	0.415	0.412	4.89
43)	T	Isopropyl Acetate	0.443	0.413	0.391	0.451	0.406	0.448	0.425	5.96
44)	TM	Trichloroethene	0.409	0.387	0.373	0.388	0.379	0.381	0.386	3.24
45)	C	1,2-Dichloropr...	0.414	0.371	0.354	0.360	0.348	0.353	0.367	6.68#
46)	T	Dibromomethane	0.194	0.180	0.170	0.184	0.178	0.184	0.182	4.44
47)	T	Bromodichlorom...	0.588	0.539	0.507	0.531	0.515	0.531	0.535	5.33
48)	T	Methyl methacr...	0.195	0.191	0.179	0.211	0.199	0.215	0.198	6.77
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	12.73
50)	S	Toluene-d8	1.315	1.127	1.059	1.320	1.183	1.188	1.199	8.61
51)	T	4-Methyl-2-Pen...	0.222	0.206	0.190	0.225	0.199	0.218	0.210	6.68
52)	CM	Toluene	1.027	0.984	0.924	0.995	0.963	0.974	0.978	3.51#
53)	T	t-1,3-Dichloro...	0.503	0.463	0.445	0.496	0.477	0.497	0.480	4.75
54)	T	cis-1,3-Dichlo...	0.595	0.556	0.534	0.581	0.563	0.577	0.568	3.78
55)	T	1,1,2-Trichlor...	0.258	0.252	0.227	0.247	0.231	0.238	0.242	4.94
56)	T	Ethyl methacry...	0.336	0.331	0.302	0.370	0.345	0.372	0.343	7.57

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y120224S.M

57)	T	1,3-Dichloropr...	0.479	0.436	0.399	0.443	0.417	0.429	0.434	6.21
58)	T	2-Chloroethyl ...	0.157	0.127	0.145	0.199	0.167	0.169	0.160	15.30
59)	T	2-Hexanone	0.154	0.140	0.131	0.172	0.149	0.163	0.152	9.90
60)	T	Dibromochlorom...	0.371	0.336	0.311	0.346	0.323	0.337	0.337	6.02
61)	T	1,2-Dibromoethane	0.245	0.215	0.207	0.227	0.213	0.223	0.222	6.14
62)	S	4-Bromofluorob...	0.504	0.389	0.364	0.451	0.403	0.405	0.419	11.98
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.456	0.434	0.400	0.420	0.408	0.417	0.422	4.77
65)	PM	Chlorobenzene	1.336	1.297	1.200	1.233	1.213	1.240	1.253	4.20
66)	T	1,1,1,2-Tetrac...	0.491	0.448	0.433	0.434	0.425	0.436	0.444	5.40
67)	C	Ethyl Benzene	2.481	2.386	2.268	2.344	2.291	2.325	2.349	3.25#
68)	T	m/p-Xylenes	0.909	0.881	0.837	0.848	0.839	0.847	0.860	3.35
69)	T	o-Xylene	0.841	0.834	0.779	0.805	0.780	0.796	0.806	3.27
70)	T	Styrene	1.403	1.379	1.293	1.347	1.311	1.334	1.344	3.08
71)	P	Bromoform	0.248	0.224	0.211	0.230	0.213	0.230	0.226	5.93
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	5.309	4.936	4.771	4.571	4.664	4.775	4.838	5.40
74)	T	N-amyl acetate	0.965	0.902	0.860	0.994	0.934	1.034	0.948	6.67
75)	P	1,1,2,2-Tetrac...	0.794	0.697	0.662	0.685	0.644	0.692	0.696	7.52
76)	T	1,2,3-Trichlor...	0.585	0.544	0.495	0.421	0.477	0.535	0.509	11.27
77)	T	Bromobenzene	1.097	1.021	0.974	0.961	0.959	0.999	1.002	5.23
78)	T	n-propylbenzene	6.232	5.859	5.695	5.472	5.524	5.585	5.728	4.94
79)	T	2-Chlorotoluene	3.535	3.342	3.227	3.052	3.086	3.149	3.232	5.61
80)	T	1,3,5-Trimethy...	4.182	3.937	3.885	3.708	3.720	3.829	3.877	4.50
81)	T	trans-1,4-Dich...	0.267	0.239	0.235	0.252	0.236	0.262	0.248	5.62
82)	T	4-Chlorotoluene	3.614	3.421	3.256	3.136	3.140	3.223	3.298	5.65
83)	T	tert-Butylbenzene	3.827	3.546	3.522	3.310	3.401	3.425	3.505	5.12
84)	T	1,2,4-Trimethy...	4.024	3.913	3.747	3.607	3.619	3.699	3.768	4.44
85)	T	sec-Butylbenzene	5.416	5.231	5.005	4.757	4.834	4.897	5.023	5.04
86)	T	p-Isopropyltol...	4.415	4.238	4.125	3.977	4.044	4.107	4.151	3.75
87)	T	1,3-Dichlorobe...	2.129	1.990	1.872	1.846	1.850	1.905	1.932	5.69
88)	T	1,4-Dichlorobe...	2.082	1.949	1.853	1.809	1.797	1.859	1.891	5.68
89)	T	n-Butylbenzene	4.005	3.941	3.791	3.700	3.816	3.846	3.850	2.83
90)	T	Hexachloroethane	0.884	0.825	0.784	0.759	0.791	0.810	0.809	5.35
91)	T	1,2-Dichlorobe...	1.772	1.698	1.595	1.579	1.548	1.639	1.639	5.09
92)	T	1,2-Dibromo-3-...	0.112	0.106	0.096	0.108	0.099	0.111	0.105	6.38
93)	T	1,2,4-Trichlor...	0.919	0.890	0.825	0.921	0.965	1.007	0.921	6.78
94)	T	Hexachlorobuta...	0.647	0.655	0.602	0.646	0.666	0.652	0.645	3.45
95)	T	Naphthalene	1.366	1.325	1.321	1.606	1.581	1.746	1.491	11.96
96)	T	1,2,3-Trichlor...	0.715	0.722	0.666	0.759	0.782	0.818	0.743	7.27

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020472.D
Acq On : 02 Dec 2024 09:16
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 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:34:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.726	168	178825	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	284363	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	228277	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	102161	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	10399	5.718	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 11.440%#			
35) Dibromofluoromethane	7.652	113	10015	5.594	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 11.180%#			
50) Toluene-d8	10.122	98	37392	5.485	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 10.980%#			
62) 4-Bromofluorobenzene	12.420	95	14320	6.006	ug/l	0.02
Spiked Amount 50.000	Range 29 - 146		Recovery = 12.020%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.879	85	9051	5.189	ug/l	100
3) Chloromethane	2.086	50	9555	5.416	ug/l	96
4) Vinyl Chloride	2.221	62	9404	5.222	ug/l #	84
5) Bromomethane	2.617	94	5760	5.452	ug/l	94
6) Chloroethane	2.757	64	5816	5.270	ug/l	99
7) Trichlorofluoromethane	3.080	101	18222	5.403	ug/l	91
8) Diethyl Ether	3.470	74	5437	5.690	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.836	101	10995	5.595	ug/l	95
10) Methyl Iodide	4.025	142	10718	4.859	ug/l	96
11) Tert butyl alcohol	4.872	59	3578	30.328	ug/l #	73
12) 1,1-Dichloroethene	3.812	96	10023	5.399	ug/l	95
13) Acrolein	3.671	56	3593	32.528	ug/l	93
14) Allyl chloride	4.403	41	18125	5.474	ug/l	94
15) Acrylonitrile	5.092	53	11038	27.723	ug/l	99
16) Acetone	3.885	43	11973	26.477	ug/l	100
17) Carbon Disulfide	4.129	76	25853	4.866	ug/l	96
18) Methyl Acetate	4.415	43	5409	5.628	ug/l	99
19) Methyl tert-butyl Ether	5.141	73	26244	5.536	ug/l	95
20) Methylene Chloride	4.641	84	10506	5.461	ug/l	95
21) trans-1,2-Dichloroethene	5.141	96	11589	5.621	ug/l	95
22) Diisopropyl ether	6.043	45	36321	5.517	ug/l	95
23) Vinyl Acetate	5.988	43	91450	26.261	ug/l	100
24) 1,1-Dichloroethane	5.945	63	21720	5.480	ug/l	99
25) 2-Butanone	6.915	43	15248	26.703	ug/l	100
26) 2,2-Dichloropropane	6.903	77	20839	5.559	ug/l	99
27) cis-1,2-Dichloroethene	6.915	96	12929	5.370	ug/l	97
28) Bromochloromethane	7.268	49	8001	5.406	ug/l	93
29) Tetrahydrofuran	7.287	42	9160	28.119	ug/l	99
30) Chloroform	7.439	83	22668	5.572	ug/l	99
31) Cyclohexane	7.720	56	20962	5.850	ug/l #	66
32) 1,1,1-Trichloroethane	7.634	97	21761	5.555	ug/l	99
36) 1,1-Dichloropropene	7.854	75	16015	5.297	ug/l	99
37) Ethyl Acetate	7.000	43	7014	5.856	ug/l	99
38) Carbon Tetrachloride	7.835	117	19058	5.282	ug/l	95
39) Methylcyclohexane	9.122	83	19023	5.071	ug/l	96
40) Benzene	8.098	78	47972	5.382	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020472.D
Acq On : 02 Dec 2024 09:16
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 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:34:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	3767	2.898	ug/l	#	85
42) 1,2-Dichloroethane	8.171	62	12405	5.297	ug/l		99
43) Isopropyl Acetate	8.213	43	12609	5.214	ug/l		94
44) Trichloroethene	8.878	130	11643	5.299	ug/l		97
45) 1,2-Dichloropropane	9.152	63	11776	5.646	ug/l		95
46) Dibromomethane	9.250	93	5515	5.340	ug/l		97
47) Bromodichloromethane	9.439	83	16718	5.495	ug/l		97
48) Methyl methacrylate	9.238	41	5558	4.928	ug/l		96
49) 1,4-Dioxane	9.244	88	1187	120.246	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.012	43	31570	26.432	ug/l		96
52) Toluene	10.182	92	29207	5.252	ug/l		99
53) t-1,3-Dichloropropene	10.408	75	14311	5.239	ug/l		94
54) cis-1,3-Dichloropropene	9.865	75	16925	5.243	ug/l		100
55) 1,1,2-Trichloroethane	10.579	97	7326	5.318	ug/l		92
56) Ethyl methacrylate	10.451	69	9564	4.907	ug/l		97
57) 1,3-Dichloropropane	10.731	76	13618	5.520	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.725	63	22288	24.421	ug/l		94
59) 2-Hexanone	10.774	43	21952	25.477	ug/l		96
60) Dibromochloromethane	10.926	129	10538	5.494	ug/l		100
61) 1,2-Dibromoethane	11.024	107	6966	5.529	ug/l		96
64) Tetrachloroethene	10.658	164	10411	5.397	ug/l		86
65) Chlorobenzene	11.451	112	30503	5.331	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.530	131	11209	5.524	ug/l		98
67) Ethyl Benzene	11.530	91	56626	5.280	ug/l		99
68) m/p-Xylenes	11.640	106	41510	10.570	ug/l		97
69) o-Xylene	11.969	106	19192	5.216	ug/l		96
70) Styrene	11.981	104	32027	5.218	ug/l		99
71) Bromoform	12.146	173	5650	5.476	ug/l	#	97
73) Isopropylbenzene	12.268	105	54241	5.487	ug/l		99
74) N-amyl acetate	12.079	43	9861	5.090	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.517	83	8116	5.710	ug/l		97
76) 1,2,3-Trichloropropane	12.566	75	5973m	3.096	ug/l		
77) Bromobenzene	12.542	156	11207	5.475	ug/l		98
78) n-propylbenzene	12.609	91	63666	5.440	ug/l		99
79) 2-Chlorotoluene	12.694	91	36119	5.469	ug/l		99
80) 1,3,5-Trimethylbenzene	12.749	105	42721	5.393	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	2724	5.371	ug/l		99
82) 4-Chlorotoluene	12.792	91	36917	5.478	ug/l		98
83) tert-Butylbenzene	13.011	119	39095	5.459	ug/l		99
84) 1,2,4-Trimethylbenzene	13.054	105	41106	5.339	ug/l		100
85) sec-Butylbenzene	13.188	105	55327	5.391	ug/l		99
86) p-Isopropyltoluene	13.304	119	45103	5.318	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	21748	5.509	ug/l		99
88) 1,4-Dichlorobenzene	13.383	146	21267	5.503	ug/l		95
89) n-Butylbenzene	13.633	91	40916	5.201	ug/l		98
90) Hexachloroethane	13.895	117	9033	5.465	ug/l		98
91) 1,2-Dichlorobenzene	13.670	146	18099	5.406	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	1145	5.321	ug/l		93
93) 1,2,4-Trichlorobenzene	14.938	180	9390	4.988	ug/l		98
94) Hexachlorobutadiene	15.041	225	6613	5.021	ug/l		95
95) Naphthalene	15.157	128	13952	4.580	ug/l		98
96) 1,2,3-Trichlorobenzene	15.346	180	7300	4.806	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020472.D
Acq On : 02 Dec 2024 09:16
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 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:34:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 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

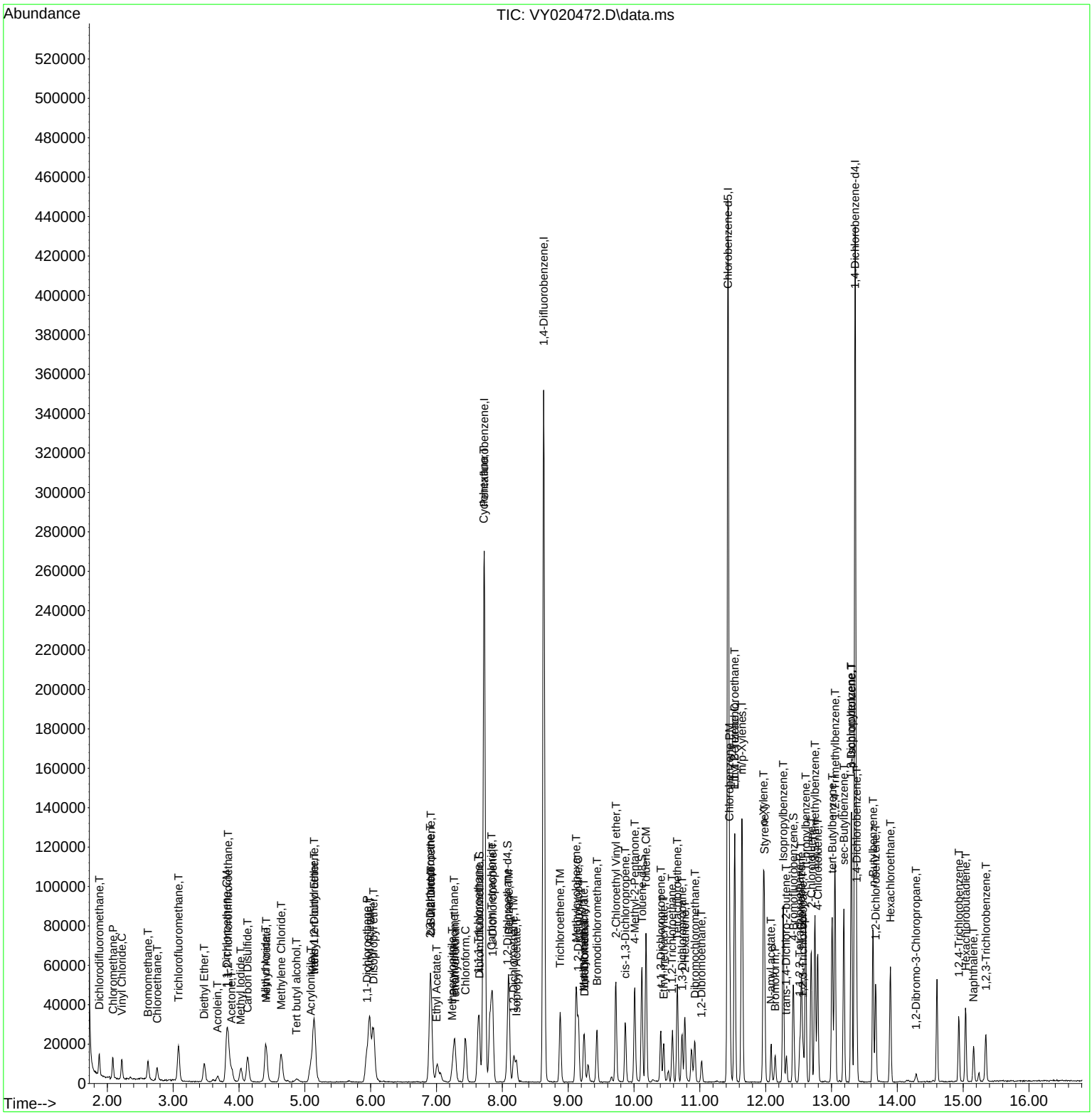
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020472.D
Acq On : 02 Dec 2024 09:16
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 14:34:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020473.D
Acq On : 02 Dec 2024 09:38
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 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:34:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.720	168	175495	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	274921	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	220557	50.000	ug/l		0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	103569	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.079	65	16546	9.270	ug/l		0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 18.540%#				
35) Dibromofluoromethane	7.646	113	16277	9.405	ug/l		0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 18.800%#				
50) Toluene-d8	10.115	98	61981	9.405	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 18.800%#				
62) 4-Bromofluorobenzene	12.414	95	21386	9.278	ug/l		0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 18.560%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	15803	9.232	ug/l		98
3) Chloromethane	2.080	50	16000	9.241	ug/l		96
4) Vinyl Chloride	2.214	62	16709	9.455	ug/l		98
5) Bromomethane	2.611	94	10012	9.656	ug/l		92
6) Chloroethane	2.751	64	10445	9.643	ug/l	#	84
7) Trichlorofluoromethane	3.080	101	32266	9.749	ug/l		99
8) Diethyl Ether	3.470	74	8910	9.501	ug/l		95
9) 1,1,2-Trichlorotrifluo...	3.830	101	19224	9.968	ug/l		99
10) Methyl Iodide	4.019	142	20415	9.430	ug/l		96
11) Tert butyl alcohol	4.879	59	5946	51.356	ug/l	#	87
12) 1,1-Dichloroethene	3.812	96	17719	9.726	ug/l		88
13) Acrolein	3.671	56	5375	49.585	ug/l		98
14) Allyl chloride	4.403	41	31589	9.722	ug/l		97
15) Acrylonitrile	5.068	53	18826	48.181	ug/l		97
16) Acetone	3.879	43	19514	43.971	ug/l		96
17) Carbon Disulfide	4.123	76	46707	8.958	ug/l		99
18) Methyl Acetate	4.397	43	9477	10.047	ug/l		93
19) Methyl tert-butyl Ether	5.135	73	44761	9.621	ug/l		96
20) Methylene Chloride	4.635	84	18796	9.956	ug/l		95
21) trans-1,2-Dichloroethene	5.135	96	19845	9.807	ug/l		97
22) Diisopropyl ether	6.031	45	65118	10.078	ug/l		93
23) Vinyl Acetate	5.976	43	165315	48.374	ug/l		96
24) 1,1-Dichloroethane	5.933	63	40148	10.321	ug/l		97
25) 2-Butanone	6.915	43	26163	46.687	ug/l		99
26) 2,2-Dichloropropane	6.896	77	37721	10.253	ug/l		98
27) cis-1,2-Dichloroethene	6.909	96	23752	10.053	ug/l		97
28) Bromochloromethane	7.262	49	13505	9.297	ug/l		96
29) Tetrahydrofuran	7.274	42	15581	48.737	ug/l		98
30) Chloroform	7.433	83	40856	10.234	ug/l		99
31) Cyclohexane	7.713	56	36078	10.259	ug/l	#	93
32) 1,1,1-Trichloroethane	7.628	97	39303	10.224	ug/l		96
36) 1,1-Dichloropropene	7.848	75	29612	10.132	ug/l		99
37) Ethyl Acetate	7.000	43	10953	9.459	ug/l		98
38) Carbon Tetrachloride	7.829	117	35158	10.079	ug/l		98
39) Methylcyclohexane	9.122	83	35355	9.748	ug/l		96
40) Benzene	8.091	78	87302	10.131	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020473.D
Acq On : 02 Dec 2024 09:38
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 14:34:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	6395	5.088	ug/l	#	86
42) 1,2-Dichloroethane	8.165	62	22758	10.051	ug/l		100
43) Isopropyl Acetate	8.207	43	22689	9.704	ug/l	#	90
44) Trichloroethene	8.878	130	21280	10.017	ug/l		98
45) 1,2-Dichloropropane	9.152	63	20396	10.114	ug/l		93
46) Dibromomethane	9.238	93	9900	9.916	ug/l		97
47) Bromodichloromethane	9.433	83	29612	10.066	ug/l		99
48) Methyl methacrylate	9.231	41	10484	9.616	ug/l		97
49) 1,4-Dioxane	9.244	88	1834	192.170	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.006	43	56581	49.000	ug/l		99
52) Toluene	10.176	92	54102	10.063	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	25461	9.641	ug/l		95
54) cis-1,3-Dichloropropene	9.865	75	30591	9.801	ug/l		97
55) 1,1,2-Trichloroethane	10.579	97	13858	10.405	ug/l		95
56) Ethyl methacrylate	10.445	69	18219	9.668	ug/l		94
57) 1,3-Dichloropropane	10.725	76	23954	10.044	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	34858	39.506	ug/l		99
59) 2-Hexanone	10.768	43	38387	46.082	ug/l		98
60) Dibromochloromethane	10.920	129	18450	9.950	ug/l		96
61) 1,2-Dibromoethane	11.024	107	11838	9.719	ug/l		99
64) Tetrachloroethene	10.652	164	19146	10.273	ug/l		97
65) Chlorobenzene	11.451	112	57223	10.351	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	19772	10.085	ug/l		99
67) Ethyl Benzene	11.524	91	105232	10.155	ug/l		98
68) m/p-Xylenes	11.633	106	77711	20.480	ug/l		99
69) o-Xylene	11.963	106	36779	10.346	ug/l		100
70) Styrene	11.975	104	60843	10.259	ug/l		99
71) Bromoform	12.139	173	9871	9.902	ug/l	#	97
73) Isopropylbenzene	12.261	105	102233	10.202	ug/l		100
74) N-amyl acetate	12.078	43	18689	9.515	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.517	83	14431	10.014	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	11258m	5.756	ug/l		
77) Bromobenzene	12.536	156	21153	10.193	ug/l		97
78) n-propylbenzene	12.603	91	121367	10.229	ug/l		100
79) 2-Chlorotoluene	12.688	91	69228	10.341	ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	81555	10.156	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.310	75	4941	9.609	ug/l		95
82) 4-Chlorotoluene	12.786	91	70869	10.373	ug/l		99
83) tert-Butylbenzene	13.005	119	73451	10.117	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	81058	10.385	ug/l		98
85) sec-Butylbenzene	13.182	105	108352	10.414	ug/l		99
86) p-Isopropyltoluene	13.298	119	87775	10.208	ug/l		98
87) 1,3-Dichlorobenzene	13.292	146	41226	10.301	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	40373	10.304	ug/l		97
89) n-Butylbenzene	13.627	91	81633	10.237	ug/l		99
90) Hexachloroethane	13.889	117	17093	10.201	ug/l		92
91) 1,2-Dichlorobenzene	13.664	146	35166	10.361	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2188	10.029	ug/l		93
93) 1,2,4-Trichlorobenzene	14.932	180	18443	9.664	ug/l		96
94) Hexachlorobutadiene	15.035	225	13567	10.162	ug/l		97
95) Naphthalene	15.151	128	27446	8.887	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	14957	9.713	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020473.D
Acq On : 02 Dec 2024 09:38
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 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:34:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 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

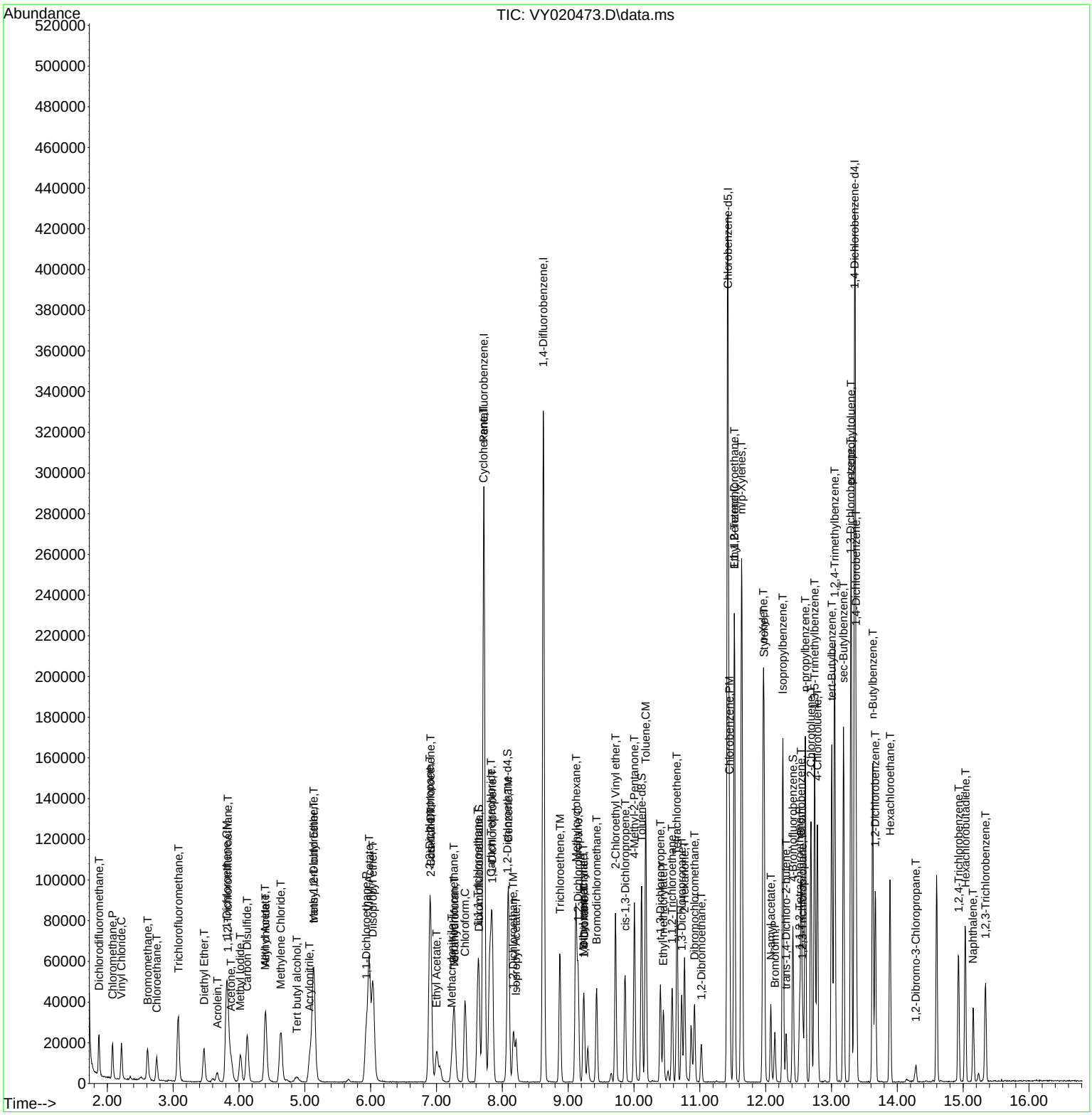
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020473.D
Acq On : 02 Dec 2024 09:38
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 14:34:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020474.D
Acq On : 02 Dec 2024 10:01
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 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:35:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	173855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	272895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	216671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	99204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	30540	17.272	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	34.540%#		
35) Dibromofluoromethane	7.652	113	30062	17.498	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	35.000%#		
50) Toluene-d8	10.115	98	115585	17.669	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	35.340%#		
62) 4-Bromofluorobenzene	12.414	95	39749	17.373	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery =	34.740%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	29334	17.297	ug/l	98
3) Chloromethane	2.080	50	30125	17.564	ug/l	98
4) Vinyl Chloride	2.214	62	30774	17.578	ug/l	100
5) Bromomethane	2.605	94	17681	17.213	ug/l	98
6) Chloroethane	2.751	64	19833	18.484	ug/l	100
7) Trichlorofluoromethane	3.074	101	59688	18.204	ug/l	100
8) Diethyl Ether	3.464	74	17282	18.602	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.830	101	36846	19.286	ug/l	97
10) Methyl Iodide	4.019	142	38953	18.162	ug/l	96
11) Tert butyl alcohol	4.885	59	10503	91.571	ug/l #	73
12) 1,1-Dichloroethene	3.806	96	32806	18.178	ug/l	94
13) Acrolein	3.659	56	10862	101.148	ug/l	100
14) Allyl chloride	4.397	41	59819	18.584	ug/l	95
15) Acrylonitrile	5.074	53	35750	92.357	ug/l	98
16) Acetone	3.879	43	34537	78.557	ug/l	100
17) Carbon Disulfide	4.123	76	86530	16.752	ug/l	100
18) Methyl Acetate	4.397	43	16333	17.479	ug/l	96
19) Methyl tert-butyl Ether	5.128	73	84384	18.309	ug/l	94
20) Methylene Chloride	4.635	84	34701	18.555	ug/l	96
21) trans-1,2-Dichloroethene	5.135	96	36728	18.322	ug/l	98
22) Diisopropyl ether	6.031	45	121718	19.016	ug/l	96
23) Vinyl Acetate	5.976	43	310990	91.859	ug/l	100
24) 1,1-Dichloroethane	5.933	63	73205	18.997	ug/l	100
25) 2-Butanone	6.909	43	47558	85.666	ug/l	96
26) 2,2-Dichloropropane	6.903	77	69202	18.987	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	44794	19.137	ug/l	97
28) Bromochloromethane	7.256	49	25293	17.577	ug/l	96
29) Tetrahydrofuran	7.274	42	28041	88.539	ug/l	99
30) Chloroform	7.433	83	75524	19.096	ug/l	99
31) Cyclohexane	7.707	56	63389	18.196	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	71648	18.814	ug/l	98
36) 1,1-Dichloropropene	7.848	75	54666	18.842	ug/l	99
37) Ethyl Acetate	6.994	43	20808	18.104	ug/l	98
38) Carbon Tetrachloride	7.829	117	65522	18.923	ug/l	97
39) Methylcyclohexane	9.116	83	65702	18.250	ug/l	97
40) Benzene	8.091	78	160862	18.806	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020474.D
Acq On : 02 Dec 2024 10:01
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 14:35:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.232	41	10591	8.489	ug/l		94
42)	1,2-Dichloroethane	8.165	62	41621	18.518	ug/l		100
43)	Isopropyl Acetate	8.207	43	42639	18.371	ug/l	#	85
44)	Trichloroethene	8.872	130	40754	19.326	ug/l		98
45)	1,2-Dichloropropane	9.146	63	38665	19.316	ug/l		97
46)	Dibromomethane	9.238	93	18517	18.684	ug/l		97
47)	Bromodichloromethane	9.433	83	55296	18.937	ug/l		97
48)	Methyl methacrylate	9.225	41	19499	18.016	ug/l		96
49)	1,4-Dioxane	9.238	88	3332	351.726	ug/l	#	94
51)	4-Methyl-2-Pentanone	10.006	43	103525	90.320	ug/l		98
52)	Toluene	10.176	92	100871	18.901	ug/l		99
53)	t-1,3-Dichloropropene	10.402	75	48598	18.538	ug/l		99
54)	cis-1,3-Dichloropropene	9.865	75	58282	18.812	ug/l		95
55)	1,1,2-Trichloroethane	10.579	97	24784	18.746	ug/l		99
56)	Ethyl methacrylate	10.445	69	33004	17.643	ug/l		94
57)	1,3-Dichloropropane	10.725	76	43597	18.415	ug/l		100
58)	2-Chloroethyl Vinyl ether	9.719	63	78881	90.062	ug/l		98
59)	2-Hexanone	10.768	43	71529	86.505	ug/l		97
60)	Dibromochloromethane	10.920	129	33982	18.462	ug/l		99
61)	1,2-Dibromoethane	11.024	107	22549	18.651	ug/l		96
64)	Tetrachloroethene	10.652	164	34652	18.927	ug/l		98
65)	Chlorobenzene	11.451	112	104028	19.155	ug/l		99
66)	1,1,1,2-Tetrachloroethane	11.524	131	37502	19.471	ug/l		98
67)	Ethyl Benzene	11.524	91	196572	19.310	ug/l		99
68)	m/p-Xylenes	11.633	106	144999	38.899	ug/l		99
69)	o-Xylene	11.963	106	67545	19.342	ug/l		97
70)	Styrene	11.975	104	112029	19.228	ug/l		98
71)	Bromoform	12.139	173	18279	18.666	ug/l	#	99
73)	Isopropylbenzene	12.261	105	189327	19.725	ug/l		99
74)	N-amyl acetate	12.078	43	34108	18.130	ug/l		99
75)	1,1,2,2-Tetrachloroethane	12.511	83	26261	19.025	ug/l		98
76)	1,2,3-Trichloropropane	12.560	75	19652m	10.489	ug/l		
77)	Bromobenzene	12.536	156	38634	19.436	ug/l		96
78)	n-propylbenzene	12.603	91	225997	19.886	ug/l		98
79)	2-Chlorotoluene	12.688	91	128038	19.967	ug/l		98
80)	1,3,5-Trimethylbenzene	12.743	105	154158	20.041	ug/l		98
81)	trans-1,4-Dichloro-2-b...	12.310	75	9306	18.895	ug/l		97
82)	4-Chlorotoluene	12.786	91	129199	19.743	ug/l		99
83)	tert-Butylbenzene	13.005	119	139745	20.095	ug/l		99
84)	1,2,4-Trimethylbenzene	13.048	105	148672	19.886	ug/l		100
85)	sec-Butylbenzene	13.182	105	198601	19.927	ug/l		100
86)	p-Isopropyltoluene	13.298	119	163704	19.877	ug/l		100
87)	1,3-Dichlorobenzene	13.298	146	74277	19.376	ug/l		99
88)	1,4-Dichlorobenzene	13.371	146	73525	19.592	ug/l		99
89)	n-Butylbenzene	13.627	91	150436	19.694	ug/l		99
90)	Hexachloroethane	13.889	117	31117	19.387	ug/l		98
91)	1,2-Dichlorobenzene	13.664	146	63283	19.466	ug/l		99
92)	1,2-Dibromo-3-Chloropr...	14.279	75	3799	18.180	ug/l		98
93)	1,2,4-Trichlorobenzene	14.932	180	32743	17.912	ug/l		98
94)	Hexachlorobutadiene	15.029	225	23870	18.665	ug/l		98
95)	Naphthalene	15.151	128	52412	17.718	ug/l		100
96)	1,2,3-Trichlorobenzene	15.340	180	26414	17.907	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020474.D
Acq On : 02 Dec 2024 10:01
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 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:35:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 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

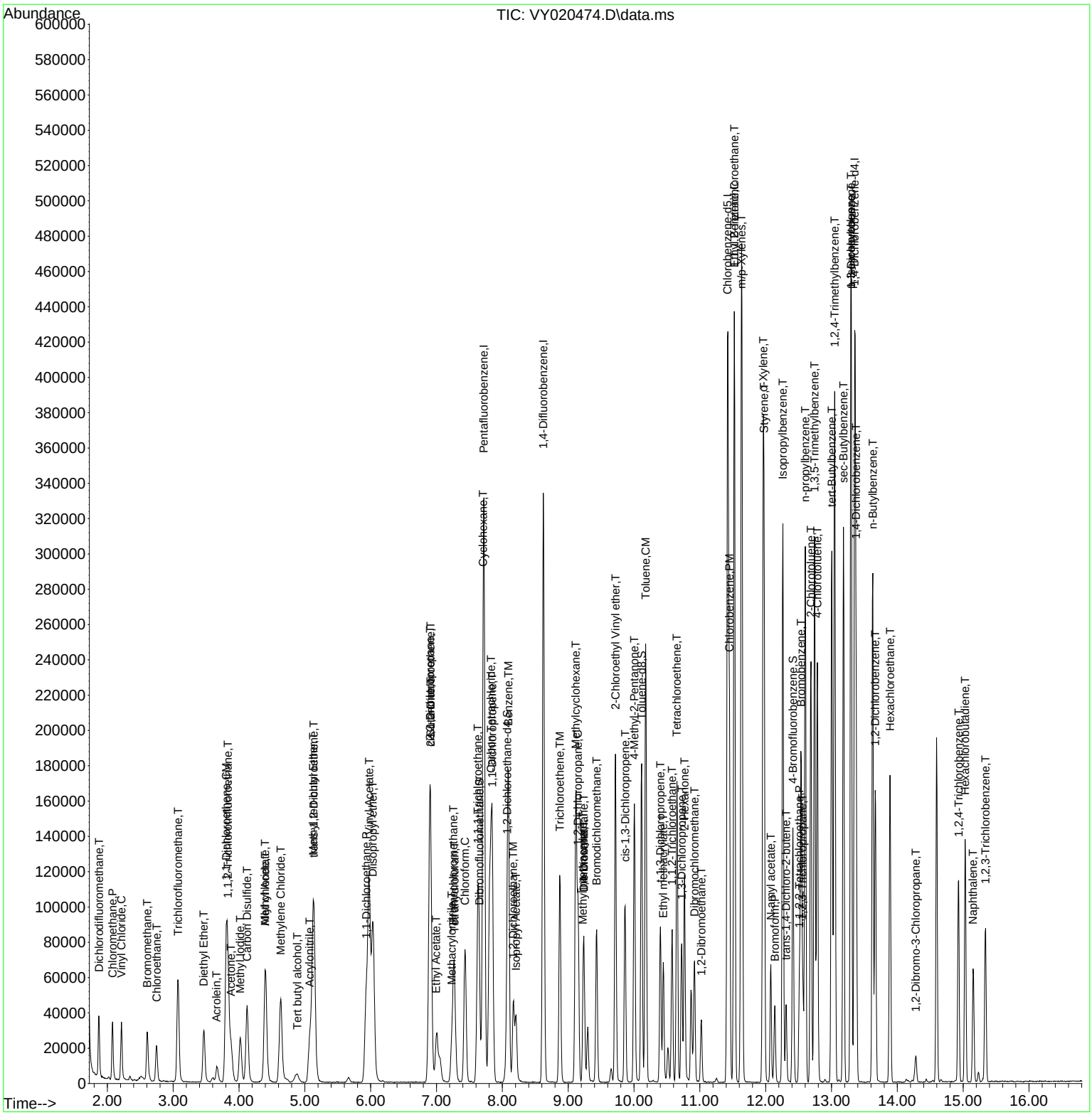
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020474.D
Acq On : 02 Dec 2024 10:01
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 14:35:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020475.D
Acq On : 02 Dec 2024 10:24
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 14:35:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	155772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	239903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	199039	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	95193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	86839	54.815	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.620%			
35) Dibromofluoromethane	7.646	113	83085	55.012	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.020%			
50) Toluene-d8	10.115	98	316633	55.057	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.120%			
62) 4-Bromofluorobenzene	12.414	95	108310	53.849	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 107.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	82109	54.038	ug/l	98
3) Chloromethane	2.080	50	81717	53.174	ug/l	96
4) Vinyl Chloride	2.214	62	84139	53.640	ug/l	95
5) Bromomethane	2.611	94	47831	51.970	ug/l	100
6) Chloroethane	2.745	64	49450	51.435	ug/l	97
7) Trichlorofluoromethane	3.074	101	151188	51.463	ug/l	99
8) Diethyl Ether	3.470	74	41546	49.912	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.830	101	85775	50.109	ug/l	98
10) Methyl Iodide	4.019	142	103373	53.794	ug/l	95
11) Tert butyl alcohol	4.878	59	26061	253.592	ug/l #	86
12) 1,1-Dichloroethene	3.806	96	83132	51.410	ug/l	94
13) Acrolein	3.665	56	21623	224.729	ug/l	98
14) Allyl chloride	4.403	41	146862	50.923	ug/l	96
15) Acrylonitrile	5.074	53	90066	259.690	ug/l	99
16) Acetone	3.885	43	113882	289.103	ug/l	99
17) Carbon Disulfide	4.123	76	258579	55.872	ug/l	99
18) Methyl Acetate	4.403	43	43429	51.872	ug/l	99
19) Methyl tert-butyl Ether	5.135	73	211544	51.227	ug/l	99
20) Methylene Chloride	4.635	84	83720	49.961	ug/l	97
21) trans-1,2-Dichloroethene	5.135	96	90361	50.311	ug/l	97
22) Diisopropyl ether	6.031	45	289358	50.455	ug/l	98
23) Vinyl Acetate	5.976	43	800176	263.789	ug/l	99
24) 1,1-Dichloroethane	5.933	63	170029	49.246	ug/l	99
25) 2-Butanone	6.909	43	139484	280.419	ug/l	99
26) 2,2-Dichloropropane	6.903	77	160984	49.297	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	105171	50.149	ug/l	97
28) Bromochloromethane	7.256	49	69292	53.742	ug/l	96
29) Tetrahydrofuran	7.274	42	76324	268.967	ug/l	99
30) Chloroform	7.433	83	173063	48.839	ug/l	95
31) Cyclohexane	7.713	56	155692	49.879	ug/l	93
32) 1,1,1-Trichloroethane	7.634	97	168843	49.484	ug/l	97
36) 1,1-Dichloropropene	7.847	75	131920	51.724	ug/l	99
37) Ethyl Acetate	7.000	43	52541	51.999	ug/l	98
38) Carbon Tetrachloride	7.829	117	155722	51.157	ug/l	97
39) Methylcyclohexane	9.116	83	166363	52.566	ug/l	97
40) Benzene	8.091	78	380413	50.588	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020475.D
Acq On : 02 Dec 2024 10:24
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 14:35:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	32093	29.260	ug/l		98
42) 1,2-Dichloroethane	8.171	62	102637	51.944	ug/l		99
43) Isopropyl Acetate	8.207	43	108207	53.033	ug/l		97
44) Trichloroethene	8.872	130	93065	50.203	ug/l		99
45) 1,2-Dichloropropane	9.146	63	86411	49.106	ug/l		99
46) Dibromomethane	9.237	93	44234	50.770	ug/l		98
47) Bromodichloromethane	9.433	83	127504	49.671	ug/l		98
48) Methyl methacrylate	9.231	41	50583	53.165	ug/l		96
49) 1,4-Dioxane	9.244	88	9081	1090.417	ug/l		97
51) 4-Methyl-2-Pentanone	10.006	43	270025	267.981	ug/l		99
52) Toluene	10.176	92	238703	50.878	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	118994	51.634	ug/l		100
54) cis-1,3-Dichloropropene	9.865	75	139317	51.152	ug/l		97
55) 1,1,2-Trichloroethane	10.579	97	59217	50.951	ug/l		98
56) Ethyl methacrylate	10.445	69	88660	53.914	ug/l		94
57) 1,3-Dichloropropane	10.725	76	106282	51.068	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	239007	310.414	ug/l		97
59) 2-Hexanone	10.768	43	206410	283.955	ug/l		98
60) Dibromochloromethane	10.920	129	83049	51.325	ug/l		99
61) 1,2-Dibromoethane	11.024	107	54480	51.259	ug/l		99
64) Tetrachloroethene	10.652	164	83677	49.754	ug/l		97
65) Chlorobenzene	11.450	112	245417	49.192	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	86377	48.819	ug/l		98
67) Ethyl Benzene	11.524	91	466609	49.897	ug/l		100
68) m/p-Xylenes	11.633	106	337704	98.621	ug/l		97
69) o-Xylene	11.963	106	160324	49.976	ug/l		99
70) Styrene	11.975	104	268033	50.080	ug/l		99
71) Bromoform	12.139	173	45872	50.993	ug/l	#	99
73) Isopropylbenzene	12.261	105	435110	47.241	ug/l		99
74) N-amyl acetate	12.078	43	94663	52.438	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	65184	49.213	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	40109m	22.311	ug/l		
77) Bromobenzene	12.542	156	91501	47.972	ug/l		98
78) n-propylbenzene	12.603	91	520871	47.765	ug/l		99
79) 2-Chlorotoluene	12.688	91	290546	47.218	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	352940	47.818	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	23979	50.738	ug/l		97
82) 4-Chlorotoluene	12.786	91	298495	47.536	ug/l		98
83) tert-Butylbenzene	13.005	119	315064	47.214	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	343348	47.860	ug/l		100
85) sec-Butylbenzene	13.182	105	452869	47.354	ug/l		99
86) p-Isopropyltoluene	13.298	119	378563	47.902	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	175749	47.777	ug/l		100
88) 1,4-Dichlorobenzene	13.377	146	172249	47.832	ug/l		100
89) n-Butylbenzene	13.627	91	352227	48.055	ug/l		99
90) Hexachloroethane	13.889	117	72237	46.902	ug/l		97
91) 1,2-Dichlorobenzene	13.670	146	150345	48.195	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	10309	51.412	ug/l		99
93) 1,2,4-Trichlorobenzene	14.932	180	87676	49.983	ug/l		100
94) Hexachlorobutadiene	15.029	225	61454	50.079	ug/l		98
95) Naphthalene	15.151	128	152909	53.869	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	72218	51.023	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020475.D
Acq On : 02 Dec 2024 10:24
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 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:35:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 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

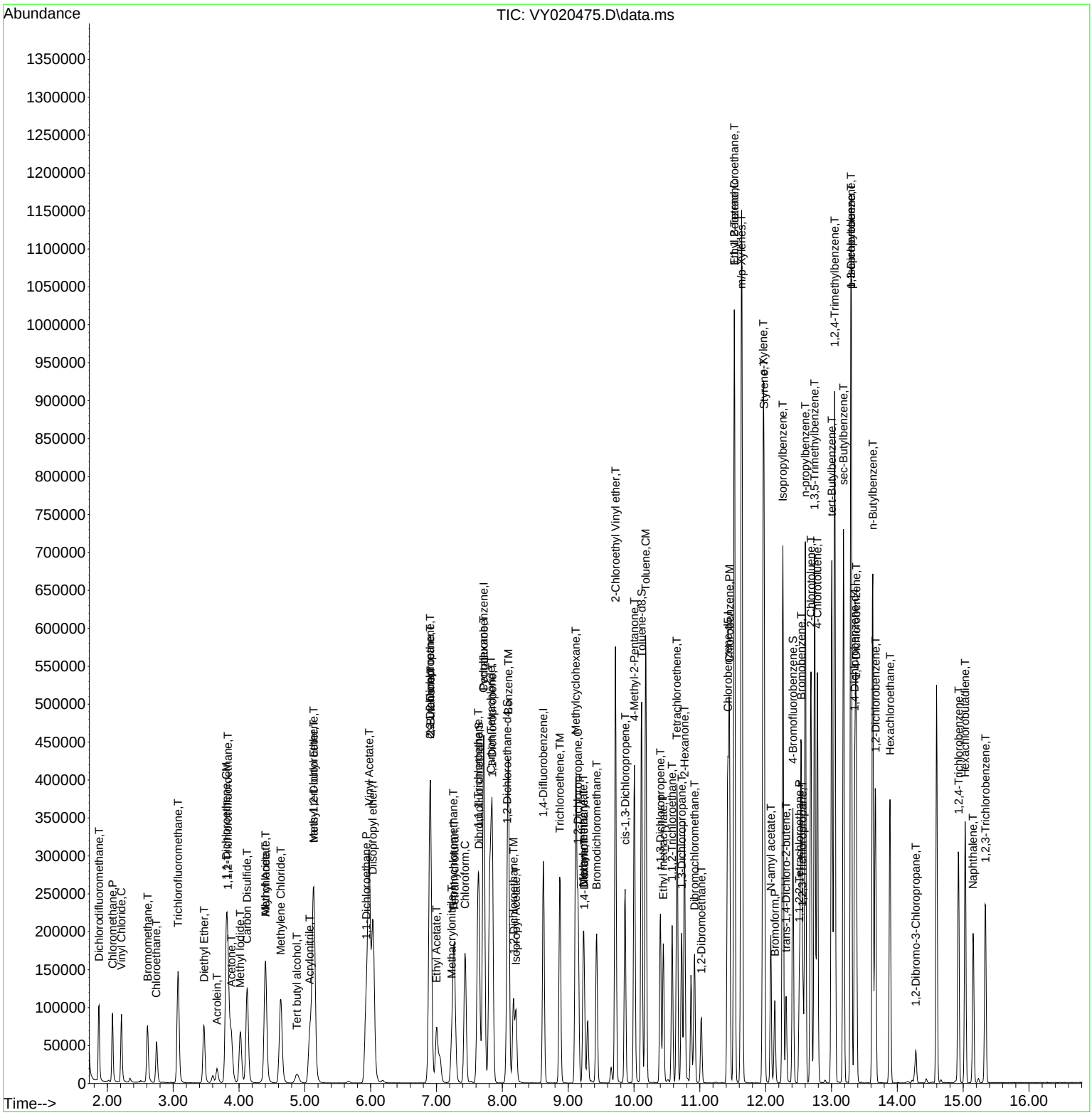
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020475.D
Acq On : 02 Dec 2024 10:24
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 14:35:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020476.D
Acq On : 02 Dec 2024 10:46
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 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:35:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	151260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	236181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	195042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	90523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	148454	96.503	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 193.000%#			
35) Dibromofluoromethane	7.646	113	145422	97.804	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 195.600%#			
50) Toluene-d8	10.115	98	558704	98.680	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 197.360%#			
62) 4-Bromofluorobenzene	12.414	95	190150	96.027	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 192.060%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	154118	104.455	ug/l	99
3) Chloromethane	2.074	50	150451	100.819	ug/l	99
4) Vinyl Chloride	2.214	62	154441	101.396	ug/l	98
5) Bromomethane	2.610	94	90117	100.837	ug/l	97
6) Chloroethane	2.745	64	93309	99.950	ug/l	99
7) Trichlorofluoromethane	3.074	101	281034	98.514	ug/l	99
8) Diethyl Ether	3.464	74	76699	94.892	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.836	101	156171	93.955	ug/l	97
10) Methyl Iodide	4.019	142	194378	104.170	ug/l	94
11) Tert butyl alcohol	4.884	59	41546	416.331	ug/l	100
12) 1,1-Dichloroethene	3.805	96	154710	98.530	ug/l	97
13) Acrolein	3.665	56	40267	430.982	ug/l	98
14) Allyl chloride	4.397	41	272701	97.376	ug/l	96
15) Acrylonitrile	5.080	53	157558	467.842	ug/l	99
16) Acetone	3.885	43	190011	496.754	ug/l	98
17) Carbon Disulfide	4.122	76	480272	106.869	ug/l	99
18) Methyl Acetate	4.397	43	74926	92.162	ug/l	98
19) Methyl tert-butyl Ether	5.134	73	385115	96.040	ug/l	98
20) Methylene Chloride	4.628	84	158563	97.448	ug/l	94
21) trans-1,2-Dichloroethene	5.134	96	170701	97.878	ug/l	97
22) Diisopropyl ether	6.031	45	526877	94.612	ug/l	99
23) Vinyl Acetate	5.976	43	1430974	485.812	ug/l	99
24) 1,1-Dichloroethane	5.933	63	319948	95.431	ug/l	98
25) 2-Butanone	6.908	43	228851	473.807	ug/l	98
26) 2,2-Dichloropropane	6.902	77	301229	94.994	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	195931	96.212	ug/l	98
28) Bromochloromethane	7.256	49	126767	101.252	ug/l	94
29) Tetrahydrofuran	7.280	42	125683	456.120	ug/l	97
30) Chloroform	7.433	83	328137	95.364	ug/l	99
31) Cyclohexane	7.713	56	287101	94.723	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	319071	96.302	ug/l	97
36) 1,1-Dichloropropene	7.847	75	243688	97.052	ug/l	100
37) Ethyl Acetate	6.994	43	91608	92.091	ug/l	98
38) Carbon Tetrachloride	7.829	117	292195	97.504	ug/l	97
39) Methylcyclohexane	9.115	83	319391	102.509	ug/l	98
40) Benzene	8.091	78	723254	97.696	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020476.D
Acq On : 02 Dec 2024 10:46
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 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:35:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	49734	46.059	ug/l		94
42) 1,2-Dichloroethane	8.170	62	187426	96.351	ug/l		100
43) Isopropyl Acetate	8.207	43	191878	95.523	ug/l		97
44) Trichloroethene	8.872	130	179226	98.205	ug/l		97
45) 1,2-Dichloropropane	9.152	63	164435	94.918	ug/l		100
46) Dibromomethane	9.237	93	83985	97.914	ug/l		100
47) Bromodichloromethane	9.432	83	243087	96.191	ug/l		98
48) Methyl methacrylate	9.231	41	93934	100.284	ug/l		96
49) 1,4-Dioxane	9.243	88	14343	1749.402	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.005	43	470709	474.508	ug/l		98
52) Toluene	10.176	92	454998	98.507	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	225351	99.326	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	265874	99.158	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	109337	95.558	ug/l		97
56) Ethyl methacrylate	10.444	69	163015	100.691	ug/l		95
57) 1,3-Dichloropropane	10.725	76	196790	96.046	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	393826	519.549	ug/l		97
59) 2-Hexanone	10.768	43	351914	491.752	ug/l		96
60) Dibromochloromethane	10.920	129	152698	95.855	ug/l		99
61) 1,2-Dibromoethane	11.024	107	100399	95.952	ug/l		100
64) Tetrachloroethene	10.652	164	159049	96.507	ug/l		96
65) Chlorobenzene	11.450	112	473220	96.796	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	165815	95.637	ug/l		97
67) Ethyl Benzene	11.523	91	893771	97.534	ug/l		98
68) m/p-Xylenes	11.633	106	654704	195.114	ug/l		98
69) o-Xylene	11.962	106	304306	96.803	ug/l		97
70) Styrene	11.975	104	511460	97.521	ug/l		99
71) Bromoform	12.139	173	83139	94.315	ug/l	#	99
73) Isopropylbenzene	12.261	105	844476	96.417	ug/l		99
74) N-amyl acetate	12.078	43	169008	98.451	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	116644	92.607	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	86316m	50.490	ug/l		
77) Bromobenzene	12.536	156	173574	95.696	ug/l		96
78) n-propylbenzene	12.603	91	1000072	96.440	ug/l		99
79) 2-Chlorotoluene	12.688	91	558791	95.496	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	673528	95.960	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	42708	95.029	ug/l		96
82) 4-Chlorotoluene	12.785	91	568413	95.190	ug/l		99
83) tert-Butylbenzene	13.005	119	615819	97.044	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	655272	96.051	ug/l		99
85) sec-Butylbenzene	13.182	105	875087	96.224	ug/l		99
86) p-Isopropyltoluene	13.298	119	732232	97.434	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	334964	95.758	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	325321	94.999	ug/l		100
89) n-Butylbenzene	13.621	91	690947	99.130	ug/l		99
90) Hexachloroethane	13.889	117	143280	97.829	ug/l		95
91) 1,2-Dichlorobenzene	13.663	146	280330	94.500	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	17886	93.801	ug/l		99
93) 1,2,4-Trichlorobenzene	14.931	180	174724	104.747	ug/l		99
94) Hexachlorobutadiene	15.029	225	120502	103.263	ug/l		99
95) Naphthalene	15.151	128	286320	106.072	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	141515	105.140	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020476.D
Acq On : 02 Dec 2024 10:46
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 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:35:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 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

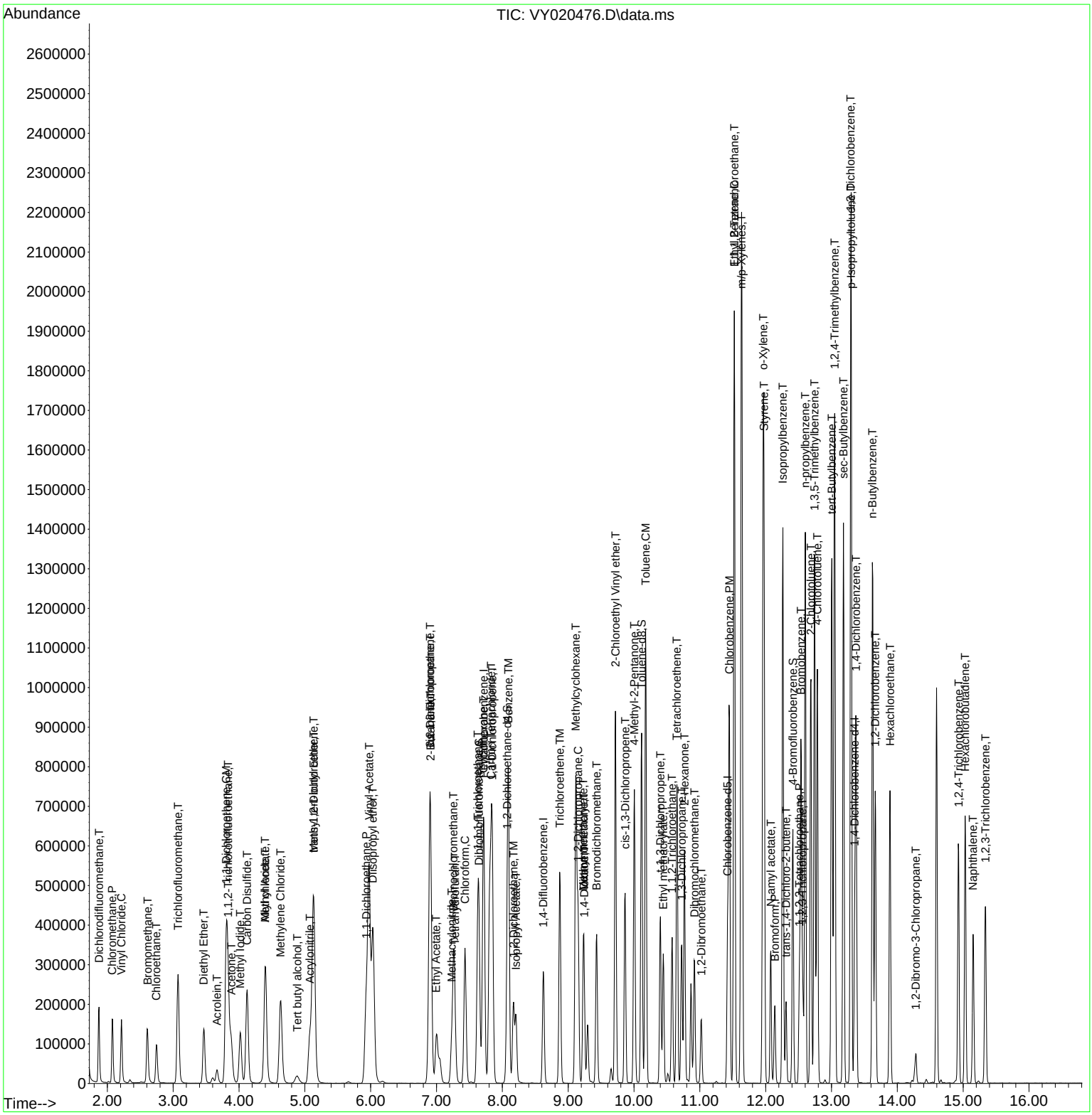
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020476.D
Acq On : 02 Dec 2024 10:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 14:35:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020477.D
Acq On : 02 Dec 2024 11:09
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 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:35:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	163098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	255701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	208400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	94390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	249913	150.665	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 301.320%#			
35) Dibromofluoromethane	7.646	113	238441	148.122	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 296.240%#			
50) Toluene-d8	10.115	98	911267	148.665	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 297.320%#			
62) 4-Bromofluorobenzene	12.413	95	310329	144.754	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 289.500%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	250310	157.336	ug/l	98
3) Chloromethane	2.074	50	253265	157.398	ug/l	98
4) Vinyl Chloride	2.214	62	257279	156.652	ug/l	99
5) Bromomethane	2.604	94	149699	155.348	ug/l	98
6) Chloroethane	2.744	64	155422	154.401	ug/l	98
7) Trichlorofluoromethane	3.074	101	470608	152.994	ug/l	100
8) Diethyl Ether	3.464	74	135260	155.197	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.829	101	262950	146.713	ug/l	98
10) Methyl Iodide	4.018	142	319792	158.942	ug/l	95
11) Tert butyl alcohol	4.878	59	80459	747.755	ug/l	100
12) 1,1-Dichloroethene	3.805	96	260339	153.767	ug/l	94
13) Acrolein	3.665	56	70632	701.110	ug/l	98
14) Allyl chloride	4.396	41	458146	151.721	ug/l	96
15) Acrylonitrile	5.073	53	280365	772.073	ug/l	99
16) Acetone	3.878	43	348316	844.522	ug/l	97
17) Carbon Disulfide	4.122	76	804833	166.091	ug/l	99
18) Methyl Acetate	4.396	43	136321	155.509	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	668245	154.551	ug/l	97
20) Methylene Chloride	4.634	84	265981	151.599	ug/l	93
21) trans-1,2-Dichloroethene	5.128	96	280386	149.100	ug/l	96
22) Diisopropyl ether	6.030	45	885164	147.413	ug/l	98
23) Vinyl Acetate	5.975	43	2469485	777.532	ug/l	99
24) 1,1-Dichloroethane	5.933	63	532934	147.421	ug/l	99
25) 2-Butanone	6.908	43	418806	804.149	ug/l	97
26) 2,2-Dichloropropane	6.902	77	501474	146.664	ug/l	99
27) cis-1,2-Dichloroethene	6.908	96	328949	149.807	ug/l	98
28) Bromochloromethane	7.256	49	207149	153.446	ug/l	92
29) Tetrahydrofuran	7.274	42	228857	770.269	ug/l	98
30) Chloroform	7.433	83	543649	146.530	ug/l	98
31) Cyclohexane	7.713	56	465462	142.423	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	521442	145.958	ug/l	97
36) 1,1-Dichloropropene	7.847	75	399699	147.034	ug/l	99
37) Ethyl Acetate	6.994	43	164255	152.516	ug/l	98
38) Carbon Tetrachloride	7.829	117	482482	148.710	ug/l	99
39) Methylcyclohexane	9.115	83	517160	153.312	ug/l	98
40) Benzene	8.091	78	1180011	147.226	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020477.D
Acq On : 02 Dec 2024 11:09
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 14:35:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.231	41	102358	87.558	ug/l		94
42) 1,2-Dichloroethane	8.164	62	318221	151.101	ug/l		99
43) Isopropyl Acetate	8.207	43	343314	157.866	ug/l		97
44) Trichloroethene	8.871	130	292267	147.919	ug/l		97
45) 1,2-Dichloropropane	9.152	63	270734	144.347	ug/l		97
46) Dibromomethane	9.237	93	140922	151.752	ug/l		97
47) Bromodichloromethane	9.432	83	407222	148.839	ug/l		99
48) Methyl methacrylate	9.225	41	165171	162.875	ug/l		97
49) 1,4-Dioxane	9.237	88	26423	2976.762	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.005	43	836534	778.910	ug/l		98
52) Toluene	10.176	92	746875	149.355	ug/l		98
53) t-1,3-Dichloropropene	10.401	75	381443	155.290	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	442462	152.419	ug/l		96
55) 1,1,2-Trichloroethane	10.578	97	182844	147.602	ug/l		98
56) Ethyl methacrylate	10.444	69	285155	162.688	ug/l		94
57) 1,3-Dichloropropane	10.725	76	329078	148.350	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	647294	788.744	ug/l		96
59) 2-Hexanone	10.767	43	624603	806.169	ug/l		97
60) Dibromochloromethane	10.920	129	258183	149.700	ug/l		99
61) 1,2-Dibromoethane	11.023	107	170763	150.740	ug/l		99
64) Tetrachloroethene	10.651	164	260616	148.000	ug/l		98
65) Chlorobenzene	11.450	112	775088	148.381	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	272452	147.070	ug/l		98
67) Ethyl Benzene	11.523	91	1453683	148.467	ug/l		99
68) m/p-Xylenes	11.633	106	1059213	295.432	ug/l		98
69) o-Xylene	11.962	106	497513	148.119	ug/l		98
70) Styrene	11.974	104	834148	148.854	ug/l		99
71) Bromoform	12.139	173	143847	152.724	ug/l	#	99
73) Isopropylbenzene	12.261	105	1352223	148.063	ug/l		99
74) N-amyl acetate	12.078	43	292853	163.605	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	196043	149.268	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	151365m	84.913	ug/l		
77) Bromobenzene	12.535	156	282989	149.627	ug/l		97
78) n-propylbenzene	12.602	91	1581416	146.253	ug/l		98
79) 2-Chlorotoluene	12.688	91	891790	146.161	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	1084359	148.163	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	74170	158.274	ug/l		96
82) 4-Chlorotoluene	12.785	91	912739	146.591	ug/l		98
83) tert-Butylbenzene	13.005	119	969775	146.561	ug/l		99
84) 1,2,4-Trimethylbenzene	13.047	105	1047513	147.256	ug/l		99
85) sec-Butylbenzene	13.181	105	1386634	146.227	ug/l		99
86) p-Isopropyltoluene	13.297	119	1162926	148.404	ug/l		99
87) 1,3-Dichlorobenzene	13.297	146	539573	147.931	ug/l		100
88) 1,4-Dichlorobenzene	13.370	146	526394	147.418	ug/l		99
89) n-Butylbenzene	13.627	91	1089026	149.841	ug/l		99
90) Hexachloroethane	13.889	117	229363	150.189	ug/l		95
91) 1,2-Dichlorobenzene	13.663	146	464183	150.066	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	31544	158.651	ug/l		98
93) 1,2,4-Trichlorobenzene	14.931	180	285244	163.997	ug/l		100
94) Hexachlorobutadiene	15.035	225	184727	151.815	ug/l		99
95) Naphthalene	15.151	128	494521	175.698	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	231642	165.051	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020477.D
Acq On : 02 Dec 2024 11:09
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 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:35:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 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

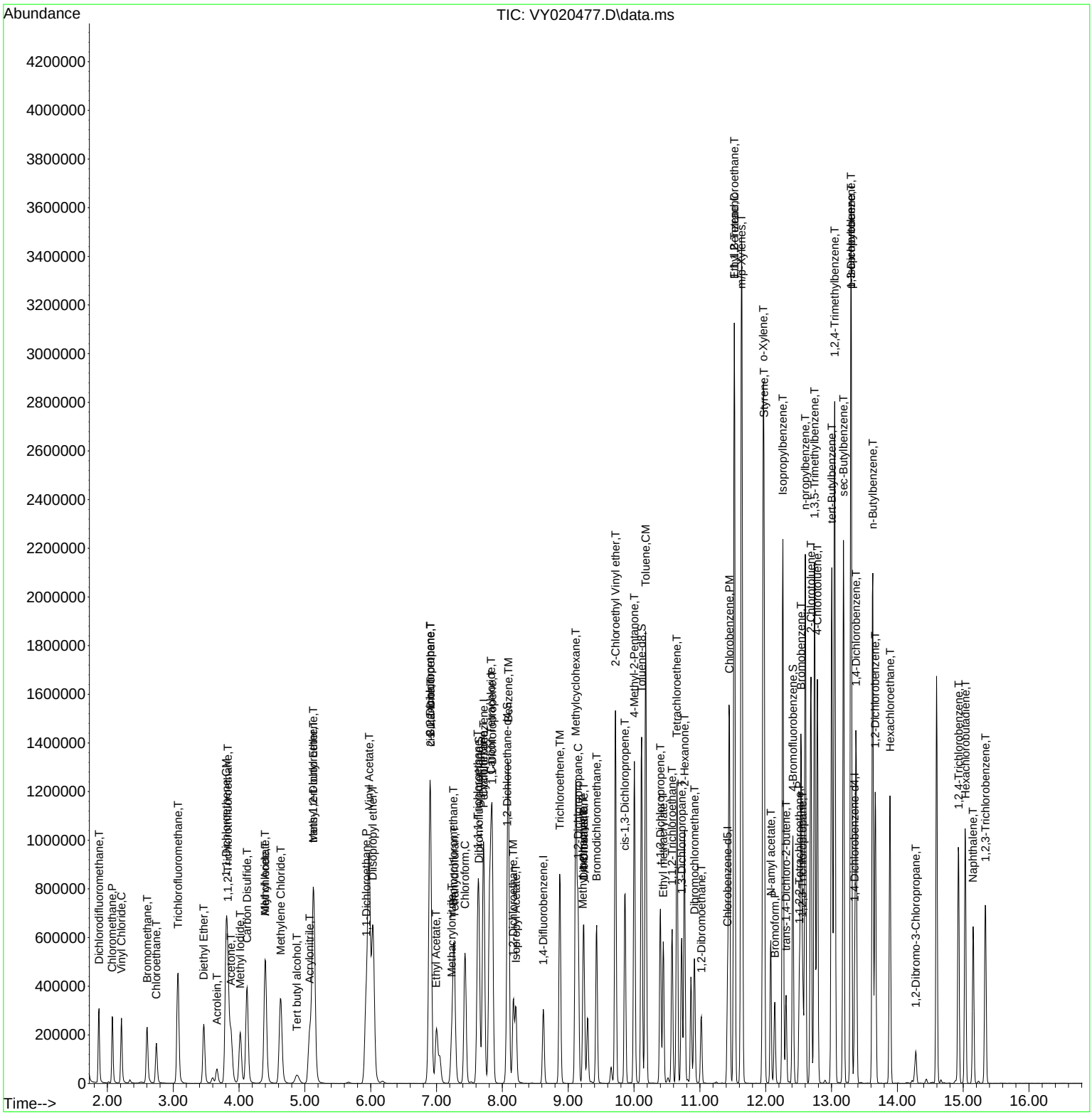
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020477.D
Acq On : 02 Dec 2024 11:09
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 14:35:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:33:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020479.D
Acq On : 02 Dec 2024 12:11
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120224

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:49:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:47:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	158616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	248904	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	203284	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.358	152	95038	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	83021	51.465	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.940%			
35) Dibromofluoromethane	7.652	113	80954	51.663	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.320%			
50) Toluene-d8	10.115	98	308281	51.666	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.340%			
62) 4-Bromofluorobenzene	12.414	95	103252	49.477	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 98.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	80494	52.025	ug/l	98
3) Chloromethane	2.080	50	82796	52.853	ug/l	96
4) Vinyl Chloride	2.220	62	83549	52.309	ug/l	97
5) Bromomethane	2.617	94	48802	52.075	ug/l	99
6) Chloroethane	2.751	64	51603	52.712	ug/l	97
7) Trichlorofluoromethane	3.074	101	150777	50.402	ug/l	100
8) Diethyl Ether	3.470	74	40546	47.837	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.836	101	83228	47.749	ug/l	97
10) Methyl Iodide	4.025	142	98793	50.489	ug/l	96
11) Tert butyl alcohol	4.884	59	22531	215.311	ug/l	99
12) 1,1-Dichloroethene	3.811	96	82141	49.887	ug/l	94
13) Acrolein	3.671	56	20781	212.106	ug/l	99
14) Allyl chloride	4.403	41	143793	48.965	ug/l	96
15) Acrylonitrile	5.073	53	84091	238.114	ug/l	99
16) Acetone	3.885	43	101273	252.484	ug/l	99
17) Carbon Disulfide	4.128	76	252983	53.683	ug/l	100
18) Methyl Acetate	4.403	43	40533	47.545	ug/l	97
19) Methyl tert-butyl Ether	5.134	73	199569	47.460	ug/l	98
20) Methylene Chloride	4.641	84	82414	48.300	ug/l	94
21) trans-1,2-Dichloroethene	5.140	96	90162	49.300	ug/l	96
22) Diisopropyl ether	6.037	45	281593	48.221	ug/l	98
23) Vinyl Acetate	5.976	43	756007	244.759	ug/l	98
24) 1,1-Dichloroethane	5.939	63	168041	47.797	ug/l	98
25) 2-Butanone	6.908	43	121376	239.639	ug/l	97
26) 2,2-Dichloropropane	6.902	77	157455	47.351	ug/l	99
27) cis-1,2-Dichloroethene	6.908	96	102245	47.879	ug/l	98
28) Bromochloromethane	7.262	49	68730	52.351	ug/l	93
29) Tetrahydrofuran	7.280	42	67109	232.253	ug/l	99
30) Chloroform	7.439	83	170035	47.125	ug/l	99
31) Cyclohexane	7.719	56	151000	47.509	ug/l	95
32) 1,1,1-Trichloroethane	7.634	97	165156	47.536	ug/l	97
36) 1,1-Dichloropropene	7.853	75	127603	48.222	ug/l	99
37) Ethyl Acetate	7.000	43	48698	46.452	ug/l	97
38) Carbon Tetrachloride	7.835	117	152484	48.282	ug/l	98
39) Methylcyclohexane	9.121	83	162064	49.356	ug/l	97
40) Benzene	8.091	78	372666	47.766	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020479.D
Acq On : 02 Dec 2024 12:11
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120224

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:49:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:47:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.238	41	27182	45.611 ug/l	96
42) 1,2-Dichloroethane	8.170	62	97533	47.576 ug/l	99
43) Isopropyl Acetate	8.207	43	99677	47.086 ug/l #	89
44) Trichloroethene	8.878	130	91945	47.805 ug/l	99
45) 1,2-Dichloropropane	9.152	63	85142	46.635 ug/l	99
46) Dibromomethane	9.243	93	41955	46.413 ug/l	97
47) Bromodichloromethane	9.432	83	123040	46.199 ug/l	98
48) Methyl methacrylate	9.231	41	46281	46.884 ug/l	95
49) 1,4-Dioxane	9.243	88	7538	872.406 ug/l #	91
51) 4-Methyl-2-Pentanone	10.005	43	241260	230.776 ug/l	99
52) Toluene	10.182	92	231949	47.650 ug/l	99
53) t-1,3-Dichloropropene	10.402	75	111365	46.576 ug/l	98
54) cis-1,3-Dichloropropene	9.865	75	133963	47.408 ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	55455	45.989 ug/l	98
56) Ethyl methacrylate	10.444	69	79937	46.851 ug/l	94
57) 1,3-Dichloropropane	10.725	76	100550	46.566 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	216217	270.661 ug/l	97
59) 2-Hexanone	10.768	43	174751	231.709 ug/l	97
60) Dibromochloromethane	10.920	129	77289	46.038 ug/l	99
61) 1,2-Dibromoethane	11.024	107	50658	45.939 ug/l	99
64) Tetrachloroethene	10.658	164	79718	46.410 ug/l	95
65) Chlorobenzene	11.450	112	234076	45.939 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.523	131	83396	46.150 ug/l	97
67) Ethyl Benzene	11.530	91	447970	46.903 ug/l	99
68) m/p-Xylenes	11.639	106	326520	93.364 ug/l	98
69) o-Xylene	11.962	106	151793	46.329 ug/l	98
70) Styrene	11.975	104	254087	46.483 ug/l	99
71) Bromoform	12.139	173	41691	45.378 ug/l #	100
73) Isopropylbenzene	12.261	105	422132	45.907 ug/l	99
74) N-amyl acetate	12.078	43	79887	44.325 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	57863	43.757 ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	45279m	46.769 ug/l	
77) Bromobenzene	12.542	156	86329	45.334 ug/l	96
78) n-propylbenzene	12.603	91	495485	45.511 ug/l	99
79) 2-Chlorotoluene	12.688	91	279551	45.505 ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	335870	45.579 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	21115	44.751 ug/l	96
82) 4-Chlorotoluene	12.785	91	280651	44.767 ug/l	99
83) tert-Butylbenzene	13.005	119	302712	45.437 ug/l	98
84) 1,2,4-Trimethylbenzene	13.054	105	326760	45.622 ug/l	100
85) sec-Butylbenzene	13.182	105	438603	45.937 ug/l	100
86) p-Isopropyltoluene	13.298	119	364035	46.139 ug/l	100
87) 1,3-Dichlorobenzene	13.298	146	165214	44.987 ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	161095	44.807 ug/l	100
89) n-Butylbenzene	13.627	91	335948	45.909 ug/l	99
90) Hexachloroethane	13.889	117	69201	45.004 ug/l	95
91) 1,2-Dichlorobenzene	13.669	146	138770	44.557 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	8643	43.174 ug/l	95
93) 1,2,4-Trichlorobenzene	14.931	180	79210	45.230 ug/l	99
94) Hexachlorobutadiene	15.035	225	53757	43.878 ug/l	99
95) Naphthalene	15.157	128	126616	44.679 ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	63113	44.663 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020479.D
Acq On : 02 Dec 2024 12:11
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120224

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:49:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:47:59 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

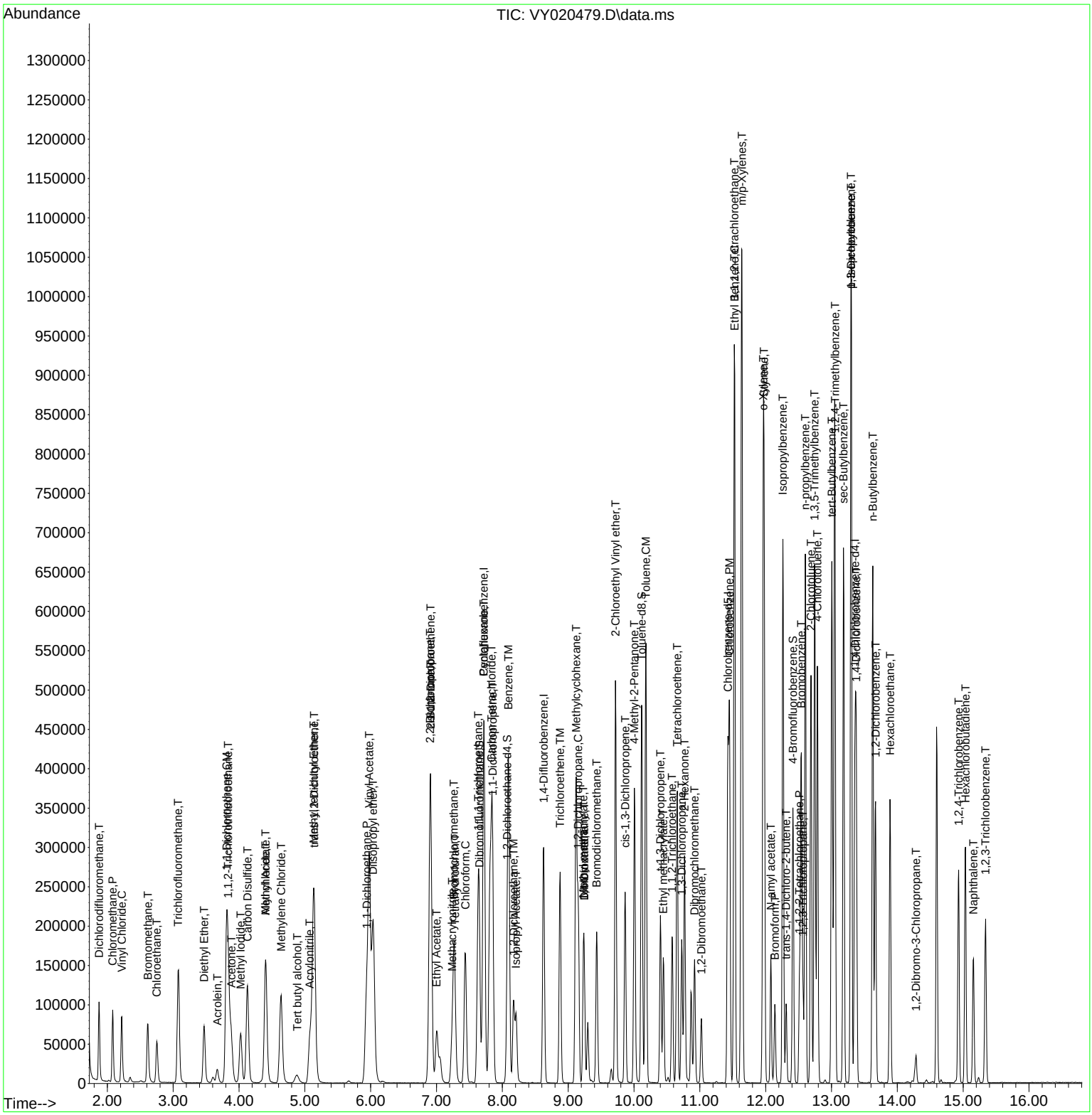
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020479.D
Acq On : 02 Dec 2024 12:11
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 02 14:49:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:47:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120224

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020479.D
Acq On : 02 Dec 2024 12:11
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120224

Quant Time: Dec 02 14:49:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:47:59 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	102	0.00
2	T	Dichlorodifluoromethane	0.488	0.507	-3.9	98	0.00
3	P	Chloromethane	0.494	0.522	-5.7	101	0.00
4	C	Vinyl Chloride	0.503	0.527	-4.8#	99	0.00
5	T	Bromomethane	0.295	0.308	-4.4	102	0.00
6	T	Chloroethane	0.309	0.325	-5.2	104	0.00
7	T	Trichlorofluoromethane	0.943	0.951	-0.8	100	0.00
8	T	Diethyl Ether	0.267	0.256	4.1	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.525	4.4	97	0.00
10	T	Methyl Iodide	0.617	0.623	-1.0	96	0.00
11	T	Tert butyl alcohol	0.033	0.028	15.2	86	0.00
12	CM	1,1-Dichloroethene	0.519	0.518	0.2#	99	0.00
13	T	Acrolein	0.031	0.026	16.1	96	0.00
14	T	Allyl chloride	0.926	0.907	2.1	98	0.00
15	T	Acrylonitrile	0.111	0.106	4.5	93	0.00
16	T	Acetone	0.126	0.128	-1.6	89	0.00
17	T	Carbon Disulfide	1.486	1.595	-7.3	98	0.00
18	T	Methyl Acetate	0.269	0.256	4.8	93	0.00
19	T	Methyl tert-butyl Ether	1.326	1.258	5.1	94	0.00
20	T	Methylene Chloride	0.538	0.520	3.3	98	0.00
21	T	trans-1,2-Dichloroethene	0.576	0.568	1.4	100	0.00
22	T	Diisopropyl ether	1.841	1.775	3.6	97	0.00
23	T	Vinyl Acetate	0.974	0.953	2.2	94	0.00
24	P	1,1-Dichloroethane	1.108	1.059	4.4	99	0.00
25	T	2-Butanone	0.160	0.153	4.4	87	0.00
26	T	2,2-Dichloropropane	1.048	0.993	5.2	98	0.00
27	T	cis-1,2-Dichloroethene	0.673	0.645	4.2	97	0.00
28	T	Bromochloromethane	0.414	0.433	-4.6	99	0.00
29	T	Tetrahydrofuran	0.091	0.085	6.6	88	0.00
30	C	Chloroform	1.137	1.072	5.7#	98	0.00
31	T	Cyclohexane	1.002	0.952	5.0	97	0.00
32	T	1,1,1-Trichloroethane	1.095	1.041	4.9	98	0.00
33	S	1,2-Dichloroethane-d4	0.509	0.523	-2.8	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.315	0.325	-3.2	97	0.00
36	T	1,1-Dichloropropene	0.532	0.513	3.6	97	0.00
37	T	Ethyl Acetate	0.211	0.196	7.1	93	0.00
38	T	Carbon Tetrachloride	0.634	0.613	3.3	98	0.00
39	T	Methylcyclohexane	0.660	0.651	1.4	97	0.00
40	TM	Benzene	1.567	1.497	4.5	98	0.00
41	T	Methacrylonitrile	0.120	0.109	9.2	85	0.00
42	TM	1,2-Dichloroethane	0.412	0.392	4.9	95	0.00
43	T	Isopropyl Acetate	0.425	0.400	5.9	92	0.00
44	TM	Trichloroethene	0.386	0.369	4.4	99	0.00
45	C	1,2-Dichloropropane	0.367	0.342	6.8#	99	0.00
46	T	Dibromomethane	0.182	0.169	7.1	95	0.00
47	T	Bromodichloromethane	0.535	0.494	7.7	96	0.00
48	T	Methyl methacrylate	0.198	0.186	6.1	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020479.D
Acq On : 02 Dec 2024 12:11
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120224

Quant Time: Dec 02 14:49:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:47:59 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	83	0.00
50	S	Toluene-d8	1.199	1.239	-3.3	97	0.00
51	T	4-Methyl-2-Pentanone	0.210	0.194	7.6	89	0.00
52	CM	Toluene	0.978	0.932	4.7#	97	0.00
53	T	t-1,3-Dichloropropene	0.480	0.447	6.9	94	0.00
54	T	cis-1,3-Dichloropropene	0.568	0.538	5.3	96	0.00
55	T	1,1,2-Trichloroethane	0.242	0.223	7.9	94	0.00
56	T	Ethyl methacrylate	0.343	0.321	6.4	90	0.00
57	T	1,3-Dichloropropane	0.434	0.404	6.9	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.160	0.174	-8.7	90	0.00
59	T	2-Hexanone	0.152	0.140	7.9	85	0.00
60	T	Dibromochloromethane	0.337	0.311	7.7	93	0.00
61	T	1,2-Dibromoethane	0.222	0.204	8.1	93	0.00
62	S	4-Bromofluorobenzene	0.419	0.415	1.0	95	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.422	0.392	7.1	95	0.00
65	PM	Chlorobenzene	1.253	1.151	8.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.444	0.410	7.7	97	0.00
67	C	Ethyl Benzene	2.349	2.204	6.2#	96	0.00
68	T	m/p-Xylenes	0.860	0.803	6.6	97	0.00
69	T	o-Xylene	0.806	0.747	7.3	95	0.00
70	T	Styrene	1.344	1.250	7.0	95	0.00
71	P	Bromoform	0.226	0.205	9.3	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	4.838	4.442	8.2	97	0.00
74	T	N-amyl acetate	0.948	0.841	11.3	84	0.00
75	P	1,1,2,2-Tetrachloroethane	0.696	0.609	12.5	89	0.00
76	T	1,2,3-Trichloropropane	0.509	0.476	6.5	113	0.00
77	T	Bromobenzene	1.002	0.908	9.4	94	0.00
78	T	n-propylbenzene	5.728	5.214	9.0	95	0.00
79	T	2-Chlorotoluene	3.232	2.941	9.0	96	0.00
80	T	1,3,5-Trimethylbenzene	3.877	3.534	8.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.248	0.222	10.5	88	0.00
82	T	4-Chlorotoluene	3.298	2.953	10.5	94	0.00
83	T	tert-Butylbenzene	3.505	3.185	9.1	96	0.00
84	T	1,2,4-Trimethylbenzene	3.768	3.438	8.8	95	0.00
85	T	sec-Butylbenzene	5.023	4.615	8.1	97	0.00
86	T	p-Isopropyltoluene	4.151	3.830	7.7	96	0.00
87	T	1,3-Dichlorobenzene	1.932	1.738	10.0	94	0.00
88	T	1,4-Dichlorobenzene	1.891	1.695	10.4	94	0.00
89	T	n-Butylbenzene	3.850	3.535	8.2	95	0.00
90	T	Hexachloroethane	0.809	0.728	10.0	96	0.00
91	T	1,2-Dichlorobenzene	1.639	1.460	10.9	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.105	0.091	13.3	84	0.00
93	T	1,2,4-Trichlorobenzene	0.921	0.833	9.6	90	0.00
94	T	Hexachlorobutadiene	0.645	0.566	12.2	87	0.00
95	T	Naphthalene	1.491	1.332	10.7	83	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020479.D
Acq On : 02 Dec 2024 12:11
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120224

Quant Time: Dec 02 14:49:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:47:59 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	0.743	0.664	10.6	87	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\VY120224\
Data File : VY020479.D
Acq On : 02 Dec 2024 12:11
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120224

Quant Time: Dec 02 14:49:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:47:59 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	102	0.00
2	T	Dichlorodifluoromethane	50.000	52.025	-4.0	98	0.00
3	P	Chloromethane	50.000	52.853	-5.7	101	0.00
4	C	Vinyl Chloride	50.000	52.309	-4.6#	99	0.00
5	T	Bromomethane	50.000	52.075	-4.2	102	0.00
6	T	Chloroethane	50.000	52.712	-5.4	104	0.00
7	T	Trichlorofluoromethane	50.000	50.402	-0.8	100	0.00
8	T	Diethyl Ether	50.000	47.837	4.3	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.749	4.5	97	0.00
10	T	Methyl Iodide	50.000	50.489	-1.0	96	0.00
11	T	Tert butyl alcohol	250.000	215.311	13.9	86	0.00
12	CM	1,1-Dichloroethene	50.000	49.887	0.2#	99	0.00
13	T	Acrolein	250.000	212.106	15.2	96	0.00
14	T	Allyl chloride	50.000	48.965	2.1	98	0.00
15	T	Acrylonitrile	250.000	238.114	4.8	93	0.00
16	T	Acetone	250.000	252.484	-1.0	89	0.00
17	T	Carbon Disulfide	50.000	53.683	-7.4	98	0.00
18	T	Methyl Acetate	50.000	47.545	4.9	93	0.00
19	T	Methyl tert-butyl Ether	50.000	47.460	5.1	94	0.00
20	T	Methylene Chloride	50.000	48.300	3.4	98	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.300	1.4	100	0.00
22	T	Diisopropyl ether	50.000	48.221	3.6	97	0.00
23	T	Vinyl Acetate	250.000	244.759	2.1	94	0.00
24	P	1,1-Dichloroethane	50.000	47.797	4.4	99	0.00
25	T	2-Butanone	250.000	239.639	4.1	87	0.00
26	T	2,2-Dichloropropane	50.000	47.351	5.3	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.879	4.2	97	0.00
28	T	Bromochloromethane	50.000	52.351	-4.7	99	0.00
29	T	Tetrahydrofuran	250.000	232.253	7.1	88	0.00
30	C	Chloroform	50.000	47.125	5.8#	98	0.00
31	T	Cyclohexane	50.000	47.509	5.0	97	0.00
32	T	1,1,1-Trichloroethane	50.000	47.536	4.9	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.465	-2.9	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	51.663	-3.3	97	0.00
36	T	1,1-Dichloropropene	50.000	48.222	3.6	97	0.00
37	T	Ethyl Acetate	50.000	46.452	7.1	93	0.00
38	T	Carbon Tetrachloride	50.000	48.282	3.4	98	0.00
39	T	Methylcyclohexane	50.000	49.356	1.3	97	0.00
40	TM	Benzene	50.000	47.766	4.5	98	0.00
41	T	Methacrylonitrile	50.000	45.611	8.8	85	0.00
42	TM	1,2-Dichloroethane	50.000	47.576	4.8	95	0.00
43	T	Isopropyl Acetate	50.000	47.086	5.8	92	0.00
44	TM	Trichloroethene	50.000	47.805	4.4	99	0.00
45	C	1,2-Dichloropropane	50.000	46.635	6.7#	99	0.00
46	T	Dibromomethane	50.000	46.413	7.2	95	0.00
47	T	Bromodichloromethane	50.000	46.199	7.6	96	0.00
48	T	Methyl methacrylate	50.000	46.884	6.2	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020479.D
Acq On : 02 Dec 2024 12:11
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120224

Quant Time: Dec 02 14:49:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:47:59 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	872.406	12.8	83	0.00
50	S	Toluene-d8	50.000	51.666	-3.3	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	230.776	7.7	89	0.00
52	CM	Toluene	50.000	47.650	4.7#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	46.576	6.8	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.408	5.2	96	0.00
55	T	1,1,2-Trichloroethane	50.000	45.989	8.0	94	0.00
56	T	Ethyl methacrylate	50.000	46.851	6.3	90	0.00
57	T	1,3-Dichloropropane	50.000	46.566	6.9	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	270.661	-8.3	90	0.00
59	T	2-Hexanone	250.000	231.709	7.3	85	0.00
60	T	Dibromochloromethane	50.000	46.038	7.9	93	0.00
61	T	1,2-Dibromoethane	50.000	45.939	8.1	93	0.00
62	S	4-Bromofluorobenzene	50.000	49.477	1.0	95	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	46.410	7.2	95	0.00
65	PM	Chlorobenzene	50.000	45.939	8.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.150	7.7	97	0.00
67	C	Ethyl Benzene	50.000	46.903	6.2#	96	0.00
68	T	m/p-Xylenes	100.000	93.364	6.6	97	0.00
69	T	o-Xylene	50.000	46.329	7.3	95	0.00
70	T	Styrene	50.000	46.483	7.0	95	0.00
71	P	Bromoform	50.000	45.378	9.2	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	45.907	8.2	97	0.00
74	T	N-amyl acetate	50.000	44.325	11.3	84	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	43.757	12.5	89	0.00
76	T	1,2,3-Trichloropropane	50.000	46.769	6.5	113	0.00
77	T	Bromobenzene	50.000	45.334	9.3	94	0.00
78	T	n-propylbenzene	50.000	45.511	9.0	95	0.00
79	T	2-Chlorotoluene	50.000	45.505	9.0	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	45.579	8.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.751	10.5	88	0.00
82	T	4-Chlorotoluene	50.000	44.767	10.5	94	0.00
83	T	tert-Butylbenzene	50.000	45.437	9.1	96	0.00
84	T	1,2,4-Trimethylbenzene	50.000	45.622	8.8	95	0.00
85	T	sec-Butylbenzene	50.000	45.937	8.1	97	0.00
86	T	p-Isopropyltoluene	50.000	46.139	7.7	96	0.00
87	T	1,3-Dichlorobenzene	50.000	44.987	10.0	94	0.00
88	T	1,4-Dichlorobenzene	50.000	44.807	10.4	94	0.00
89	T	n-Butylbenzene	50.000	45.909	8.2	95	0.00
90	T	Hexachloroethane	50.000	45.004	10.0	96	0.00
91	T	1,2-Dichlorobenzene	50.000	44.557	10.9	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	43.174	13.7	84	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.230	9.5	90	0.00
94	T	Hexachlorobutadiene	50.000	43.878	12.2	87	0.00
95	T	Naphthalene	50.000	44.679	10.6	83	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020479.D
Acq On : 02 Dec 2024 12:11
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120224

Quant Time: Dec 02 14:49:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 02 14:47:59 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	44.663	10.7	87	0.00

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

Raw Data: **VY020528.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: TULL02

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG No.: P5112

Instrument ID: MSVOA_Y Calibration Date/Time: 12/06/2024 10:54

Lab File ID: VY020528.D Init. Calib. Date(s): 12/02/2024 12/02/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:16 11:09

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.488	0.499		2.25	20
Chloromethane	0.494	0.500	0.1	1.22	20
Vinyl Chloride	0.503	0.511		1.59	20
Bromomethane	0.295	0.305		3.39	20
Chloroethane	0.309	0.308		-0.32	20
Trichlorofluoromethane	0.943	0.921		-2.33	20
1,1,2-Trichlorotrifluoroethane	0.549	0.532		-3.1	20
1,1-Dichloroethene	0.519	0.516		-0.58	20
Acetone	0.126	0.141		11.9	20
Carbon Disulfide	1.486	1.570		5.65	20
Methyl tert-butyl Ether	1.326	1.286		-3.02	20
Methyl Acetate	0.269	0.266		-1.12	20
Methylene Chloride	0.538	0.545		1.3	20
trans-1,2-Dichloroethene	0.576	0.582		1.04	20
1,1-Dichloroethane	1.108	1.106	0.1	-0.18	20
Cyclohexane	1.002	0.940		-6.19	20
2-Butanone	0.160	0.162		1.25	20
Carbon Tetrachloride	0.634	0.635		0.16	20
cis-1,2-Dichloroethene	0.673	0.674		0.15	20
Bromochloromethane	0.414	0.416		0.48	20
Chloroform	1.137	1.120		-1.5	20
1,1,1-Trichloroethane	1.095	1.066		-2.65	20
Methylcyclohexane	0.660	0.653		-1.06	20
Benzene	1.567	1.563		-0.25	20
1,2-Dichloroethane	0.412	0.420		1.94	20
Trichloroethene	0.386	0.390		1.04	20
1,2-Dichloropropane	0.367	0.358		-2.45	20
Bromodichloromethane	0.535	0.537		0.37	20
4-Methyl-2-Pentanone	0.210	0.209		-0.48	20
Toluene	0.978	0.994		1.64	20
t-1,3-Dichloropropene	0.480	0.485		1.04	20
cis-1,3-Dichloropropene	0.568	0.581		2.29	20
1,1,2-Trichloroethane	0.242	0.242		0	20
2-Hexanone	0.152	0.154		1.32	20
Dibromochloromethane	0.337	0.345		2.37	20
1,2-Dibromoethane	0.222	0.211		-4.95	20
Tetrachloroethene	0.422	0.403		-4.5	20
Chlorobenzene	1.253	1.223	0.3	-2.39	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG No.: P5112

Instrument ID: MSVOA_Y Calibration Date/Time: 12/06/2024 10:54

Lab File ID: VY020528.D Init. Calib. Date(s): 12/02/2024 12/02/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:16 11:09

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.349	2.315		-1.45	20
m/p-Xylenes	0.860	0.850		-1.16	20
o-Xylene	0.806	0.791		-1.86	20
Styrene	1.344	1.341		-0.22	20
Bromoform	0.226	0.225	0.1	-0.44	20
Isopropylbenzene	4.838	4.301		-11.1	20
1,1,2,2-Tetrachloroethane	0.696	0.601	0.3	-13.65	20
1,3-Dichlorobenzene	1.932	1.754		-9.21	20
1,4-Dichlorobenzene	1.892	1.693		-10.52	20
1,2-Dichlorobenzene	1.639	1.508		-7.99	20
1,2-Dibromo-3-Chloropropane	0.105	0.093		-11.43	20
1,2,4-Trichlorobenzene	0.921	0.876		-4.89	20
1,2,3-Trichlorobenzene	0.743	0.724		-2.56	20
1,2-Dichloroethane-d4	0.509	0.468		-8.06	20
Dibromofluoromethane	0.315	0.294		-6.67	20
Toluene-d8	1.199	1.118		-6.76	20
4-Bromofluorobenzene	0.419	0.390		-6.92	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: **VY020528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020528.D
Acq On : 06 Dec 2024 10:54
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 03:21:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	147499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	227967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	192490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	98467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	69011	46.005	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 92.000%			
35) Dibromofluoromethane	7.646	113	66965	46.660	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.320%			
50) Toluene-d8	10.115	98	254853	46.635	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.260%			
62) 4-Bromofluorobenzene	12.414	95	88959	46.544	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 93.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	73664	51.199	ug/l	100
3) Chloromethane	2.074	50	73734	50.615	ug/l	99
4) Vinyl Chloride	2.208	62	75399	50.764	ug/l	99
5) Bromomethane	2.604	94	44945	51.574	ug/l	96
6) Chloroethane	2.745	64	45357	49.824	ug/l	98
7) Trichlorofluoromethane	3.068	101	135790	48.814	ug/l	100
8) Diethyl Ether	3.464	74	37268	47.284	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	78399	48.369	ug/l	99
10) Methyl Iodide	4.013	142	93368	51.313	ug/l	95
11) Tert butyl alcohol	4.872	59	24038	247.026	ug/l	100
12) 1,1-Dichloroethene	3.799	96	76054	49.671	ug/l	94
13) Acrolein	3.659	56	17545	192.574	ug/l	99
14) Allyl chloride	4.397	41	136176	49.866	ug/l	97
15) Acrylonitrile	5.067	53	81067	246.853	ug/l	99
16) Acetone	3.872	43	103932	278.642	ug/l	98
17) Carbon Disulfide	4.116	76	231626	52.855	ug/l	100
18) Methyl Acetate	4.391	43	39242	49.500	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	189628	48.495	ug/l	97
20) Methylene Chloride	4.628	84	80415	50.681	ug/l	97
21) trans-1,2-Dichloroethene	5.128	96	85799	50.450	ug/l	95
22) Diisopropyl ether	6.031	45	269396	49.609	ug/l	97
23) Vinyl Acetate	5.970	43	719736	250.579	ug/l	98
24) 1,1-Dichloroethane	5.927	63	163122	49.895	ug/l	99
25) 2-Butanone	6.902	43	119478	253.671	ug/l	99
26) 2,2-Dichloropropane	6.896	77	154299	49.900	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	99442	50.076	ug/l	98
28) Bromochloromethane	7.256	49	61352	50.253	ug/l	93
29) Tetrahydrofuran	7.268	42	64114	238.611	ug/l	98
30) Chloroform	7.427	83	165256	49.252	ug/l	99
31) Cyclohexane	7.707	56	138651	46.911	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	157261	48.675	ug/l	98
36) 1,1-Dichloropropene	7.841	75	119832	49.444	ug/l	99
37) Ethyl Acetate	6.994	43	48231	50.232	ug/l	98
38) Carbon Tetrachloride	7.829	117	144677	50.017	ug/l	100
39) Methylcyclohexane	9.115	83	148871	49.502	ug/l	98
40) Benzene	8.085	78	356382	49.874	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020528.D
Acq On : 06 Dec 2024 10:54
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 03:21:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	26642	48.810	ug/l		92
42) 1,2-Dichloroethane	8.164	62	95762	51.002	ug/l		99
43) Isopropyl Acetate	8.201	43	94393	48.685	ug/l		96
44) Trichloroethene	8.872	130	88865	50.447	ug/l		97
45) 1,2-Dichloropropane	9.146	63	81604	48.802	ug/l		97
46) Dibromomethane	9.237	93	42553	51.398	ug/l		99
47) Bromodichloromethane	9.426	83	122524	50.230	ug/l		96
48) Methyl methacrylate	9.225	41	43910	48.567	ug/l		96
49) 1,4-Dioxane	9.237	88	8531	1078.009	ug/l		96
51) 4-Methyl-2-Pentanone	10.006	43	238163	248.736	ug/l		99
52) Toluene	10.176	92	226650	50.838	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	110537	50.476	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	132459	51.181	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	55189	49.972	ug/l		99
56) Ethyl methacrylate	10.444	69	78793	50.422	ug/l		95
57) 1,3-Dichloropropane	10.725	76	99728	50.427	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	199974	273.318	ug/l		97
59) 2-Hexanone	10.761	43	175974	254.760	ug/l		97
60) Dibromochloromethane	10.914	129	78637	51.143	ug/l		100
61) 1,2-Dibromoethane	11.024	107	48083	47.609	ug/l		95
64) Tetrachloroethene	10.652	164	77566	47.689	ug/l		99
65) Chlorobenzene	11.450	112	235505	48.811	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	81926	47.879	ug/l		98
67) Ethyl Benzene	11.524	91	445589	49.270	ug/l		99
68) m/p-Xylenes	11.633	106	327409	98.868	ug/l		99
69) o-Xylene	11.962	106	152263	49.079	ug/l		97
70) Styrene	11.975	104	258061	49.857	ug/l		99
71) Bromoform	12.139	173	43237	49.699	ug/l	#	99
73) Isopropylbenzene	12.261	105	423521	44.454	ug/l		99
74) N-amyl acetate	12.078	43	81848	43.832	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	59212	43.218	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	45009m	44.871	ug/l		
77) Bromobenzene	12.536	156	87883	44.543	ug/l		97
78) n-propylbenzene	12.603	91	504021	44.683	ug/l		99
79) 2-Chlorotoluene	12.688	91	279887	43.973	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	342297	44.834	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	21620	44.225	ug/l		95
82) 4-Chlorotoluene	12.786	91	289442	44.561	ug/l		99
83) tert-Butylbenzene	13.005	119	310017	44.913	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	336656	45.367	ug/l		99
85) sec-Butylbenzene	13.182	105	449236	45.412	ug/l		100
86) p-Isopropyltoluene	13.298	119	374460	45.807	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	172673	45.380	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	166671	44.744	ug/l		99
89) n-Butylbenzene	13.627	91	349933	46.154	ug/l		99
90) Hexachloroethane	13.889	117	72337	45.406	ug/l		94
91) 1,2-Dichlorobenzene	13.663	146	148484	46.016	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	9136	44.047	ug/l		98
93) 1,2,4-Trichlorobenzene	14.931	180	86224	47.521	ug/l		100
94) Hexachlorobutadiene	15.035	225	60470	47.639	ug/l		99
95) Naphthalene	15.151	128	140403	47.818	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	71260	48.672	ug/l		99

Sample Results: **VY020528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020528.D
Acq On : 06 Dec 2024 10:54
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 03:21:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

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

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

Sample Results: **VY020528.D**

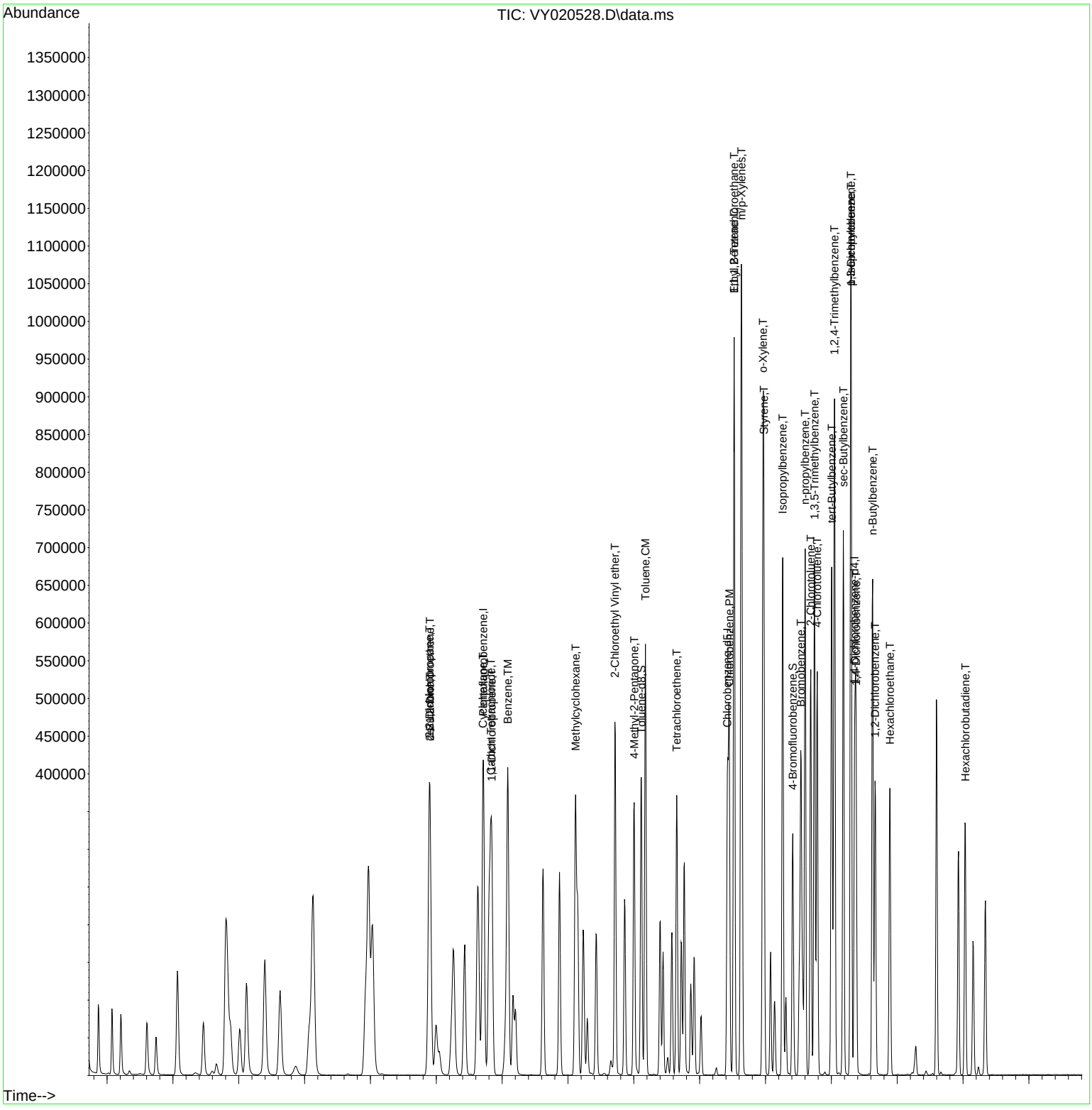
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020528.D
Acq On : 06 Dec 2024 10:54
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 03:21:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



Sample Results: **VY020528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020528.D
Acq On : 06 Dec 2024 10:54
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: Dec 07 03:21:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	0.488	0.499	-2.3	90	0.00
3	P	Chloromethane	0.494	0.500	-1.2	90	0.00
4	C	Vinyl Chloride	0.503	0.511	-1.6#	90	0.00
5	T	Bromomethane	0.295	0.305	-3.4	94	0.00
6	T	Chloroethane	0.309	0.308	0.3	92	0.00
7	T	Trichlorofluoromethane	0.943	0.921	2.3	90	0.00
8	T	Diethyl Ether	0.267	0.253	5.2	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.532	3.1	91	0.00
10	T	Methyl Iodide	0.617	0.633	-2.6	90	0.00
11	T	Tert butyl alcohol	0.033	0.033	0.0	92	0.00
12	CM	1,1-Dichloroethene	0.519	0.516	0.6#	91	0.00
13	T	Acrolein	0.031	0.024	22.6	81	0.00
14	T	Allyl chloride	0.926	0.923	0.3	93	0.00
15	T	Acrylonitrile	0.111	0.110	0.9	90	0.00
16	T	Acetone	0.126	0.141	-11.9	91	-0.01
17	T	Carbon Disulfide	1.486	1.570	-5.7	90	0.00
18	T	Methyl Acetate	0.269	0.266	1.1	90	-0.01
19	T	Methyl tert-butyl Ether	1.326	1.286	3.0	90	-0.01
20	T	Methylene Chloride	0.538	0.545	-1.3	96	0.00
21	T	trans-1,2-Dichloroethene	0.576	0.582	-1.0	95	0.00
22	T	Diisopropyl ether	1.841	1.826	0.8	93	0.00
23	T	Vinyl Acetate	0.974	0.976	-0.2	90	0.00
24	P	1,1-Dichloroethane	1.108	1.106	0.2	96	0.00
25	T	2-Butanone	0.160	0.162	-1.3	86	0.00
26	T	2,2-Dichloropropane	1.048	1.046	0.2	96	0.00
27	T	cis-1,2-Dichloroethene	0.673	0.674	-0.1	95	0.00
28	T	Bromochloromethane	0.414	0.416	-0.5	89	0.00
29	T	Tetrahydrofuran	0.091	0.087	4.4	84	0.00
30	C	Chloroform	1.137	1.120	1.5#	95	0.00
31	T	Cyclohexane	1.002	0.940	6.2	89	0.00
32	T	1,1,1-Trichloroethane	1.095	1.066	2.6	93	0.00
33	S	1,2-Dichloroethane-d4	0.509	0.468	8.1	79	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35	S	Dibromofluoromethane	0.315	0.294	6.7	81	0.00
36	T	1,1-Dichloropropene	0.532	0.526	1.1	91	0.00
37	T	Ethyl Acetate	0.211	0.212	-0.5	92	0.00
38	T	Carbon Tetrachloride	0.634	0.635	-0.2	93	0.00
39	T	Methylcyclohexane	0.660	0.653	1.1	89	0.00
40	TM	Benzene	1.567	1.563	0.3	94	0.00
41	T	Methacrylonitrile	0.120	0.117	2.5	83	0.00
42	TM	1,2-Dichloroethane	0.412	0.420	-1.9	93	0.00
43	T	Isopropyl Acetate	0.425	0.414	2.6	87	0.00
44	TM	Trichloroethene	0.386	0.390	-1.0	95	0.00
45	C	1,2-Dichloropropane	0.367	0.358	2.5#	94	0.00
46	T	Dibromomethane	0.182	0.187	-2.7	96	0.00
47	T	Bromodichloromethane	0.535	0.537	-0.4	96	0.00
48	T	Methyl methacrylate	0.198	0.193	2.5	87	0.00

Sample Results: **VY020528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020528.D
Acq On : 06 Dec 2024 10:54
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: Dec 07 03:21:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 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	94	0.00
50	S	Toluene-d8	1.199	1.118	6.8	80	0.00
51	T	4-Methyl-2-Pentanone	0.210	0.209	0.5	88	0.00
52	CM	Toluene	0.978	0.994	-1.6#	95	0.00
53	T	t-1,3-Dichloropropene	0.480	0.485	-1.0	93	0.00
54	T	cis-1,3-Dichloropropene	0.568	0.581	-2.3	95	0.00
55	T	1,1,2-Trichloroethane	0.242	0.242	0.0	93	0.00
56	T	Ethyl methacrylate	0.343	0.346	-0.9	89	0.00
57	T	1,3-Dichloropropane	0.434	0.437	-0.7	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.160	0.175	-9.4	84	0.00
59	T	2-Hexanone	0.152	0.154	-1.3	85	0.00
60	T	Dibromochloromethane	0.337	0.345	-2.4	95	0.00
61	T	1,2-Dibromoethane	0.222	0.211	5.0	88	0.00
62	S	4-Bromofluorobenzene	0.419	0.390	6.9	82	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.422	0.403	4.5	93	0.00
65	PM	Chlorobenzene	1.253	1.223	2.4	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.444	0.426	4.1	95	0.00
67	C	Ethyl Benzene	2.349	2.315	1.4#	95	0.00
68	T	m/p-Xylenes	0.860	0.850	1.2	97	0.00
69	T	o-Xylene	0.806	0.791	1.9	95	0.00
70	T	Styrene	1.344	1.341	0.2	96	0.00
71	P	Bromoform	0.226	0.225	0.4	94	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	4.838	4.301	11.1	97	0.00
74	T	N-amyl acetate	0.948	0.831	12.3	86	0.00
75	P	1,1,2,2-Tetrachloroethane	0.696	0.601	13.6	91	0.00
76	T	1,2,3-Trichloropropane	0.509	0.457	10.2	112	0.00
77	T	Bromobenzene	1.002	0.893	10.9	96	0.00
78	T	n-propylbenzene	5.728	5.119	10.6	97	0.00
79	T	2-Chlorotoluene	3.232	2.842	12.1	96	0.00
80	T	1,3,5-Trimethylbenzene	3.877	3.476	10.3	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.248	0.220	11.3	90	0.00
82	T	4-Chlorotoluene	3.298	2.939	10.9	97	0.00
83	T	tert-Butylbenzene	3.505	3.148	10.2	98	0.00
84	T	1,2,4-Trimethylbenzene	3.768	3.419	9.3	98	0.00
85	T	sec-Butylbenzene	5.023	4.562	9.2	99	0.00
86	T	p-Isopropyltoluene	4.151	3.803	8.4	99	0.00
87	T	1,3-Dichlorobenzene	1.932	1.754	9.2	98	0.00
88	T	1,4-Dichlorobenzene	1.891	1.693	10.5	97	0.00
89	T	n-Butylbenzene	3.850	3.554	7.7	99	0.00
90	T	Hexachloroethane	0.809	0.735	9.1	100	0.00
91	T	1,2-Dichlorobenzene	1.639	1.508	8.0	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.105	0.093	11.4	89	0.00
93	T	1,2,4-Trichlorobenzene	0.921	0.876	4.9	98	0.00
94	T	Hexachlorobutadiene	0.645	0.614	4.8	98	0.00
95	T	Naphthalene	1.491	1.426	4.4	92	0.00

Sample Results: **VY020528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020528.D
Acq On : 06 Dec 2024 10:54
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: Dec 07 03:21:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 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	0.743	0.724	2.6	99	0.00

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

Sample Results: **VY020528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020528.D
Acq On : 06 Dec 2024 10:54
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: Dec 07 03:21:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	50.000	51.199	-2.4	90	0.00
3	P	Chloromethane	50.000	50.615	-1.2	90	0.00
4	C	Vinyl Chloride	50.000	50.764	-1.5#	90	0.00
5	T	Bromomethane	50.000	51.574	-3.1	94	0.00
6	T	Chloroethane	50.000	49.824	0.4	92	0.00
7	T	Trichlorofluoromethane	50.000	48.814	2.4	90	0.00
8	T	Diethyl Ether	50.000	47.284	5.4	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.369	3.3	91	0.00
10	T	Methyl Iodide	50.000	51.313	-2.6	90	0.00
11	T	Tert butyl alcohol	250.000	247.026	1.2	92	0.00
12	CM	1,1-Dichloroethene	50.000	49.671	0.7#	91	0.00
13	T	Acrolein	250.000	192.574	23.0	81	0.00
14	T	Allyl chloride	50.000	49.866	0.3	93	0.00
15	T	Acrylonitrile	250.000	246.853	1.3	90	0.00
16	T	Acetone	250.000	278.642	-11.5	91	-0.01
17	T	Carbon Disulfide	50.000	52.855	-5.7	90	0.00
18	T	Methyl Acetate	50.000	49.500	1.0	90	-0.01
19	T	Methyl tert-butyl Ether	50.000	48.495	3.0	90	-0.01
20	T	Methylene Chloride	50.000	50.681	-1.4	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.450	-0.9	95	0.00
22	T	Diisopropyl ether	50.000	49.609	0.8	93	0.00
23	T	Vinyl Acetate	250.000	250.579	-0.2	90	0.00
24	P	1,1-Dichloroethane	50.000	49.895	0.2	96	0.00
25	T	2-Butanone	250.000	253.671	-1.5	86	0.00
26	T	2,2-Dichloropropane	50.000	49.900	0.2	96	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.076	-0.2	95	0.00
28	T	Bromochloromethane	50.000	50.253	-0.5	89	0.00
29	T	Tetrahydrofuran	250.000	238.611	4.6	84	0.00
30	C	Chloroform	50.000	49.252	1.5#	95	0.00
31	T	Cyclohexane	50.000	46.911	6.2	89	0.00
32	T	1,1,1-Trichloroethane	50.000	48.675	2.7	93	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.005	8.0	79	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35	S	Dibromofluoromethane	50.000	46.660	6.7	81	0.00
36	T	1,1-Dichloropropene	50.000	49.444	1.1	91	0.00
37	T	Ethyl Acetate	50.000	50.232	-0.5	92	0.00
38	T	Carbon Tetrachloride	50.000	50.017	-0.0	93	0.00
39	T	Methylcyclohexane	50.000	49.502	1.0	89	0.00
40	TM	Benzene	50.000	49.874	0.3	94	0.00
41	T	Methacrylonitrile	50.000	48.810	2.4	83	0.00
42	TM	1,2-Dichloroethane	50.000	51.002	-2.0	93	0.00
43	T	Isopropyl Acetate	50.000	48.685	2.6	87	0.00
44	TM	Trichloroethene	50.000	50.447	-0.9	95	0.00
45	C	1,2-Dichloropropane	50.000	48.802	2.4#	94	0.00
46	T	Dibromomethane	50.000	51.398	-2.8	96	0.00
47	T	Bromodichloromethane	50.000	50.230	-0.5	96	0.00
48	T	Methyl methacrylate	50.000	48.567	2.9	87	0.00

Sample Results: **VY020528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020528.D
Acq On : 06 Dec 2024 10:54
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: Dec 07 03:21:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 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	1078.009	-7.8	94	0.00
50	S	Toluene-d8	50.000	46.635	6.7	80	0.00
51	T	4-Methyl-2-Pentanone	250.000	248.736	0.5	88	0.00
52	CM	Toluene	50.000	50.838	-1.7#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	50.476	-1.0	93	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.181	-2.4	95	0.00
55	T	1,1,2-Trichloroethane	50.000	49.972	0.1	93	0.00
56	T	Ethyl methacrylate	50.000	50.422	-0.8	89	0.00
57	T	1,3-Dichloropropane	50.000	50.427	-0.9	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	273.318	-9.3	84	0.00
59	T	2-Hexanone	250.000	254.760	-1.9	85	0.00
60	T	Dibromochloromethane	50.000	51.143	-2.3	95	0.00
61	T	1,2-Dibromoethane	50.000	47.609	4.8	88	0.00
62	S	4-Bromofluorobenzene	50.000	46.544	6.9	82	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	47.689	4.6	93	0.00
65	PM	Chlorobenzene	50.000	48.811	2.4	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.879	4.2	95	0.00
67	C	Ethyl Benzene	50.000	49.270	1.5#	95	0.00
68	T	m/p-Xylenes	100.000	98.868	1.1	97	0.00
69	T	o-Xylene	50.000	49.079	1.8	95	0.00
70	T	Styrene	50.000	49.857	0.3	96	0.00
71	P	Bromoform	50.000	49.699	0.6	94	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	44.454	11.1	97	0.00
74	T	N-amyl acetate	50.000	43.832	12.3	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	43.218	13.6	91	0.00
76	T	1,2,3-Trichloropropane	50.000	44.871	10.3	112	0.00
77	T	Bromobenzene	50.000	44.543	10.9	96	0.00
78	T	n-propylbenzene	50.000	44.683	10.6	97	0.00
79	T	2-Chlorotoluene	50.000	43.973	12.1	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	44.834	10.3	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.225	11.5	90	0.00
82	T	4-Chlorotoluene	50.000	44.561	10.9	97	0.00
83	T	tert-Butylbenzene	50.000	44.913	10.2	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	45.367	9.3	98	0.00
85	T	sec-Butylbenzene	50.000	45.412	9.2	99	0.00
86	T	p-Isopropyltoluene	50.000	45.807	8.4	99	0.00
87	T	1,3-Dichlorobenzene	50.000	45.380	9.2	98	0.00
88	T	1,4-Dichlorobenzene	50.000	44.744	10.5	97	0.00
89	T	n-Butylbenzene	50.000	46.154	7.7	99	0.00
90	T	Hexachloroethane	50.000	45.406	9.2	100	0.00
91	T	1,2-Dichlorobenzene	50.000	46.016	8.0	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.047	11.9	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.521	5.0	98	0.00
94	T	Hexachlorobutadiene	50.000	47.639	4.7	98	0.00
95	T	Naphthalene	50.000	47.818	4.4	92	0.00

Sample Results: **VY020528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020528.D
Acq On : 06 Dec 2024 10:54
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: Dec 07 03:21:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 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	48.672	2.7	99	0.00

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

QC SAMPLE DATA

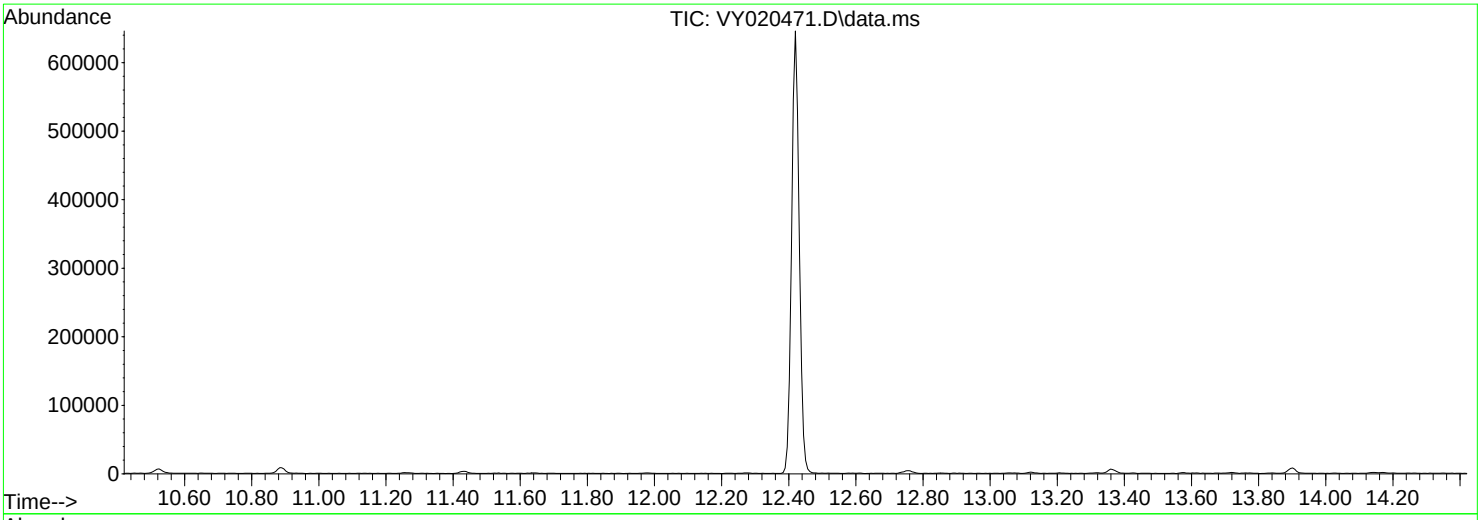
Sample Results: **VY020471.D**

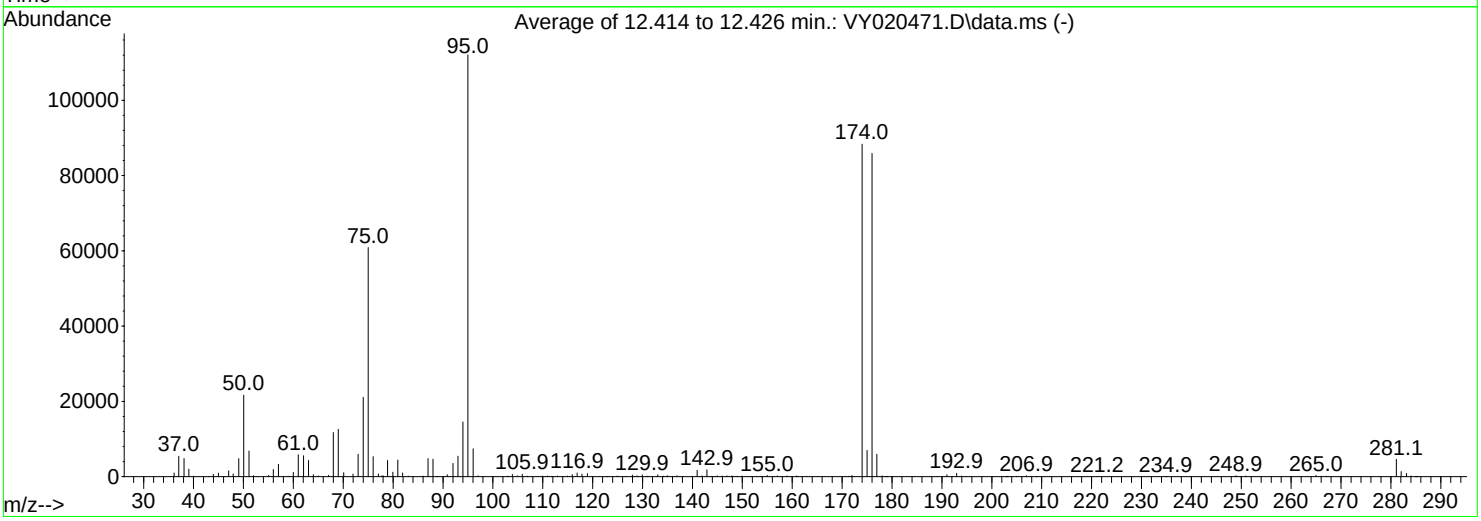
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020471.D
Acq On : 02 Dec 2024 08:23
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Title : SW846 8260
Last Update : Tue Dec 03 01:39:23 2024





AutoFind: Scans 1754, 1755, 1756; Background Corrected with Scan 1746

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	21643	PASS
75	95	30	60	54.3	60867	PASS
95	95	100	100	100.0	112075	PASS
96	95	5	9	6.6	7403	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.8	88365	PASS
175	174	5	9	7.9	6989	PASS
176	174	95	101	97.2	85864	PASS
177	176	5	9	6.9	5960	PASS

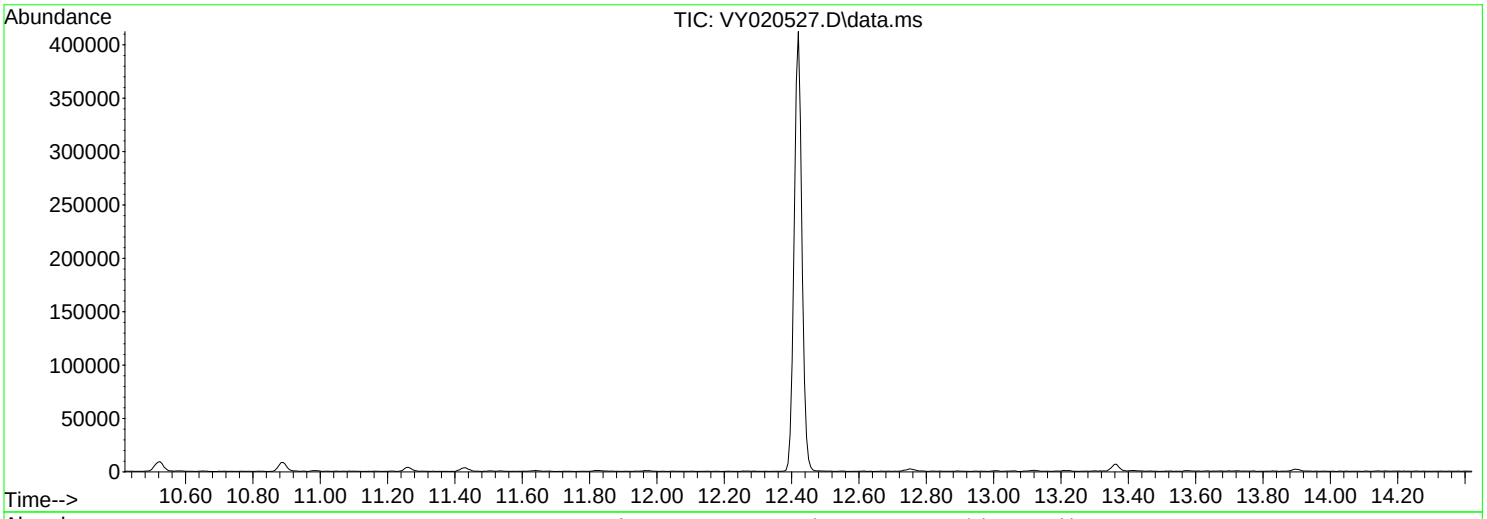
Sample Results: **VY020527.D**

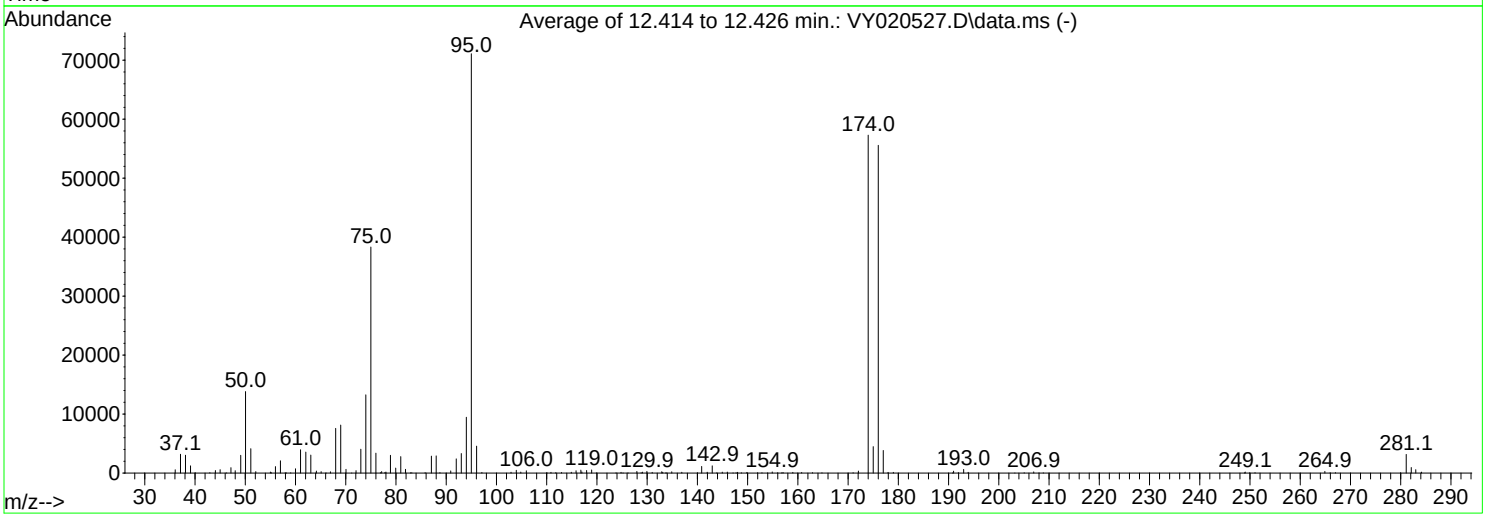
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020527.D
Acq On : 06 Dec 2024 09:07
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Title : SW846 8260
Last Update : Tue Dec 03 01:39:23 2024





AutoFind: Scans 1754, 1755, 1756; Background Corrected with Scan 1746

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	13822	PASS
75	95	30	60	53.9	38320	PASS
95	95	100	100	100.0	71093	PASS
96	95	5	9	6.4	4566	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	80.6	57293	PASS
175	174	5	9	7.8	4489	PASS
176	174	95	101	97.0	55568	PASS
177	176	5	9	6.9	3839	PASS

Raw Data: **VY020529.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	10th Street & 2nd Avenue	Date Received:	
Client Sample ID:	VY1206SBL01	SDG No.:	P5112
Lab Sample ID:	VY1206SBL01	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
VY020529.D	1		12/06/24 11:31	VY120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0017	U	0.0017	0.0050	mg/Kg
74-87-3	Chloromethane	0.0012	U	0.0012	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.00077	U	0.00077	0.0050	mg/Kg
74-83-9	Bromomethane	0.0010	U	0.0010	0.0050	mg/Kg
75-00-3	Chloroethane	0.0010	U	0.0010	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.00091	U	0.00091	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0011	U	0.0011	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.00078	U	0.00078	0.0050	mg/Kg
67-64-1	Acetone	0.0062	U	0.0062	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0013	U	0.0013	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00067	U	0.00067	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.0018	U	0.0018	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0034	U	0.0034	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00084	U	0.00084	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.00063	U	0.00063	0.0050	mg/Kg
110-82-7	Cyclohexane	0.00069	U	0.00069	0.0050	mg/Kg
78-93-3	2-Butanone	0.0057	U	0.0057	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.00087	U	0.00087	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00061	U	0.00061	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.0024	U	0.0024	0.0050	mg/Kg
67-66-3	Chloroform	0.00067	U	0.00067	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00078	U	0.00078	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.00087	U	0.00087	0.0050	mg/Kg
71-43-2	Benzene	0.00072	U	0.00072	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.00061	U	0.00061	0.0050	mg/Kg
79-01-6	Trichloroethene	0.00075	U	0.00075	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.00066	U	0.00066	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.00056	U	0.00056	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0044	U	0.0044	0.025	mg/Kg
108-88-3	Toluene	0.00067	U	0.00067	0.0050	mg/Kg

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	10th Street & 2nd Avenue	Date Received:	
Client Sample ID:	VY1206SBL01	SDG No.:	P5112
Lab Sample ID:	VY1206SBL01	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
VY020529.D	1		12/06/24 11:31	VY120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.00060	U	0.00060	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00057	U	0.00057	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00084	U	0.00084	0.0050	mg/Kg
591-78-6	2-Hexanone	0.0048	U	0.0048	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.00065	U	0.00065	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.00079	U	0.00079	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.00089	U	0.00089	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.00074	U	0.00074	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.00062	U	0.00062	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0014	U	0.0014	0.010	mg/Kg
95-47-6	o-Xylene	0.00070	U	0.00070	0.0050	mg/Kg
100-42-5	Styrene	0.00060	U	0.00060	0.0050	mg/Kg
75-25-2	Bromoform	0.00081	U	0.00081	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.00067	U	0.00067	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00074	U	0.00074	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00080	U	0.00080	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00059	U	0.00059	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00079	U	0.00079	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.00078	U	0.00078	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		50 - 163	105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		54 - 147	98%	SPK: 50
2037-26-5	Toluene-d8	50.5		58 - 134	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		29 - 146	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	7.719			
540-36-3	1,4-Difluorobenzene	263000	8.622			
3114-55-4	Chlorobenzene-d5	218000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	85700	13.353			

Raw Data: **VY020529.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	10th Street & 2nd Avenue	Date Received:	
Client Sample ID:	VY1206SBL01	SDG No.:	P5112
Lab Sample ID:	VY1206SBL01	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
VY020529.D	1		12/06/24 11:31	VY120624

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\VY120624\
Data File : VY020529.D
Acq On : 06 Dec 2024 11:31
Operator : SY/MD
Sample : VY1206SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBL01

Quant Time: Dec 07 03:22:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

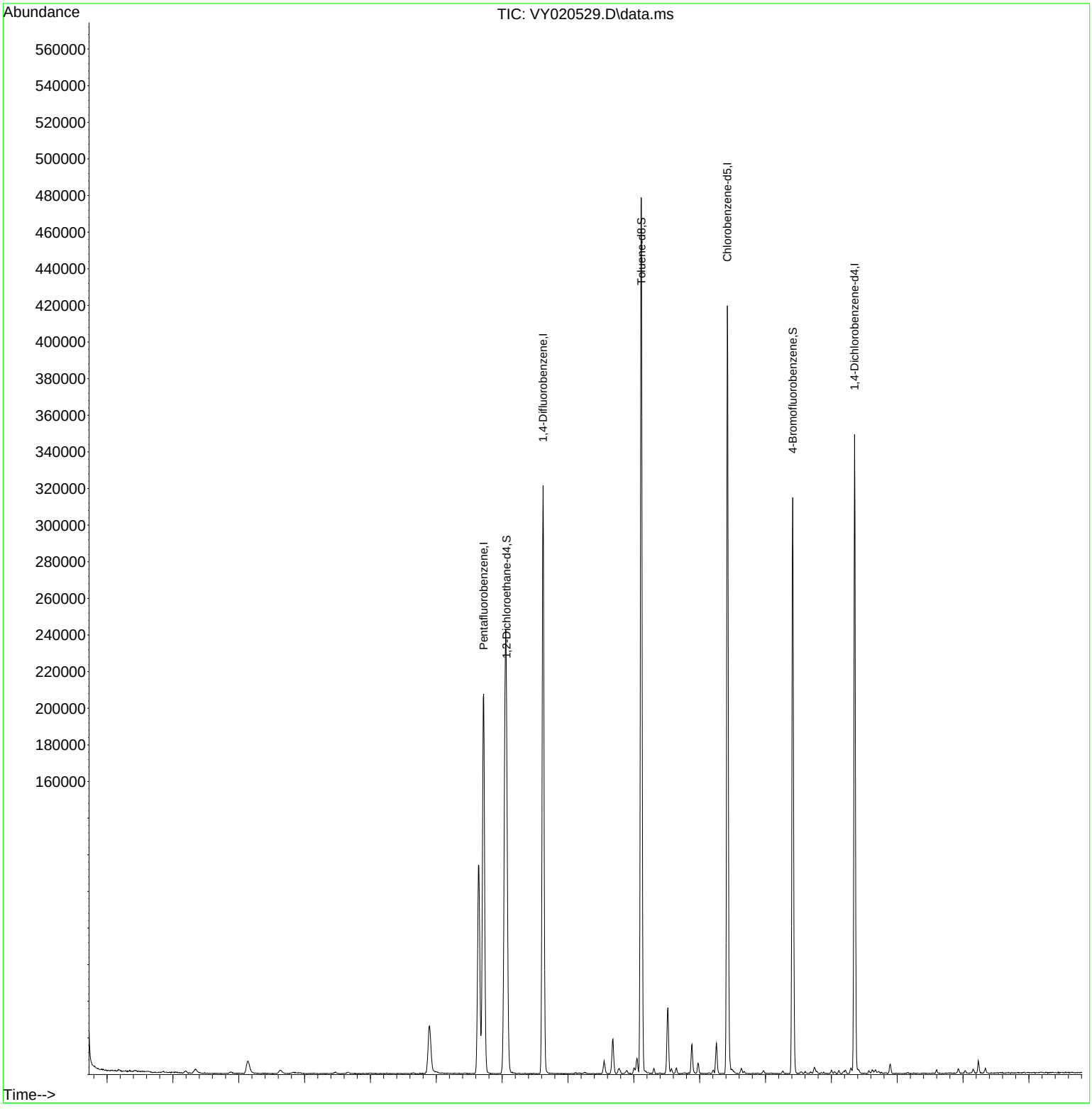
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	155816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	263214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	218185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	85714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	82823	52.265	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.540%			
35) Dibromofluoromethane	7.646	113	81516	49.193	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.380%			
50) Toluene-d8	10.115	98	318895	50.540	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.414	95	91953	41.668	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 83.340%			
Target Compounds						Qvalue

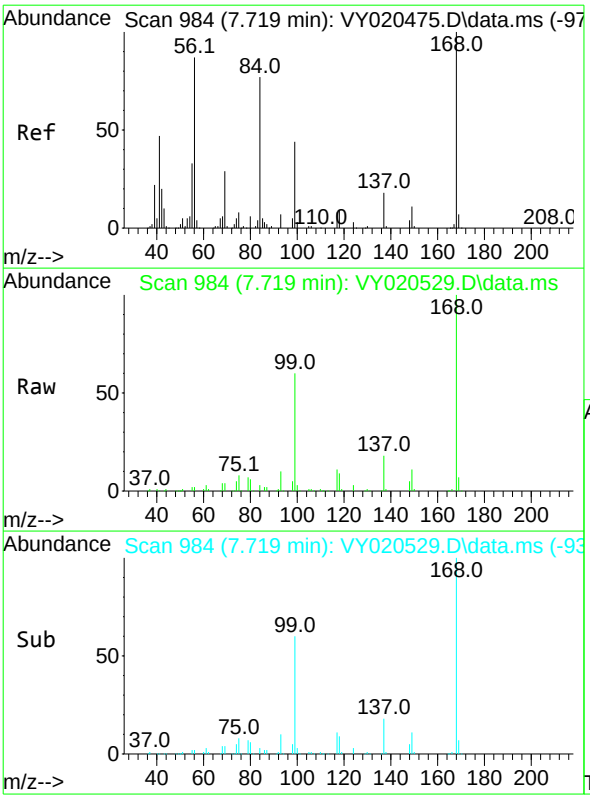
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020529.D
Acq On : 06 Dec 2024 11:31
Operator : SY/MD
Sample : VY1206SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBL01

Quant Time: Dec 07 03:22:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration



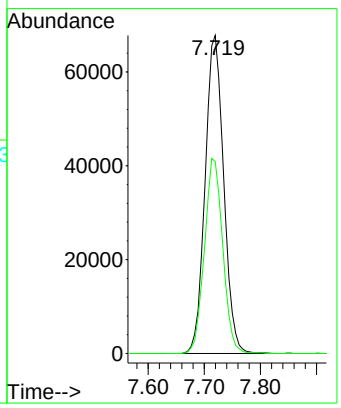


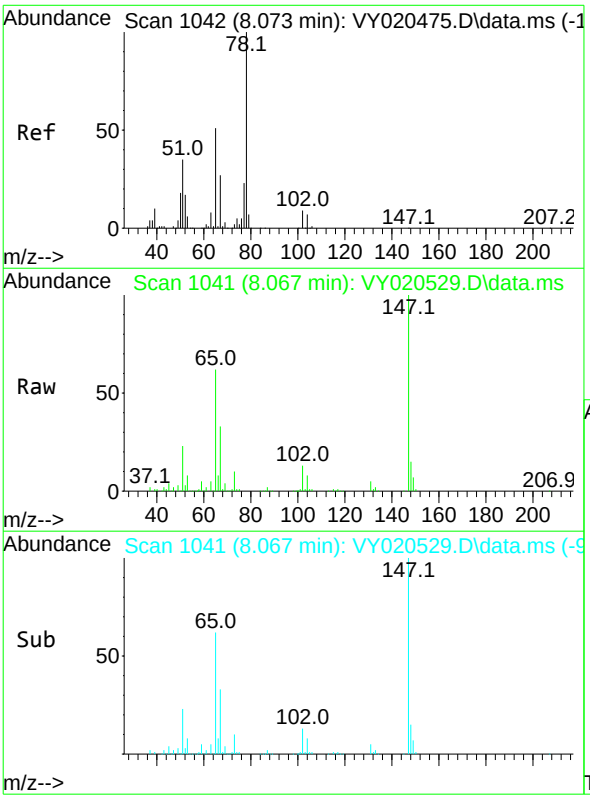
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020529.D
Acq: 06 Dec 2024 11:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBL01

Tgt Ion:168 Resp: 155816

Ion	Ratio	Lower	Upper
168	100		
99	60.3	46.6	69.8

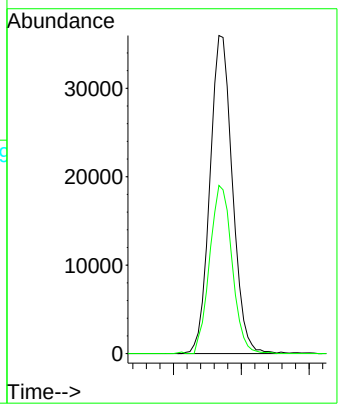


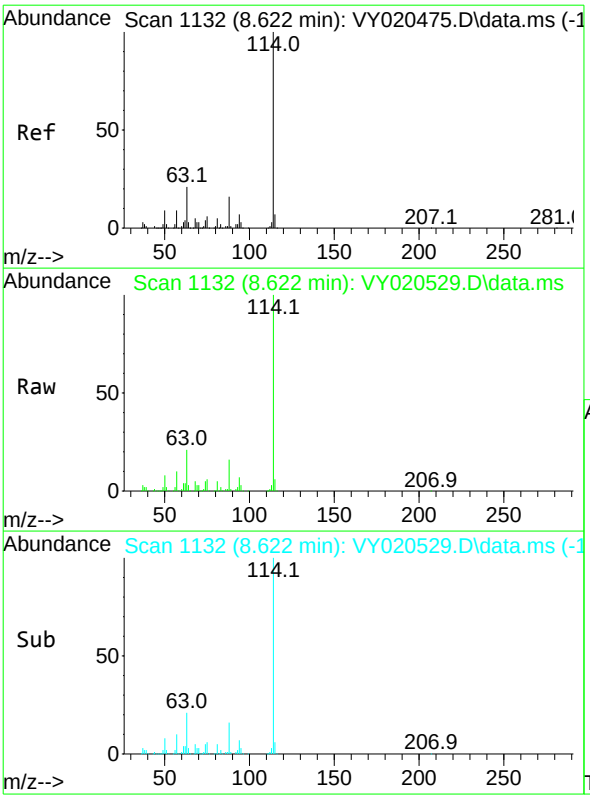


#33
1,2-Dichloroethane-d4
Concen: 52.265 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020529.D
Acq: 06 Dec 2024 11:31

Tgt Ion: 65 Resp: 82823

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.8



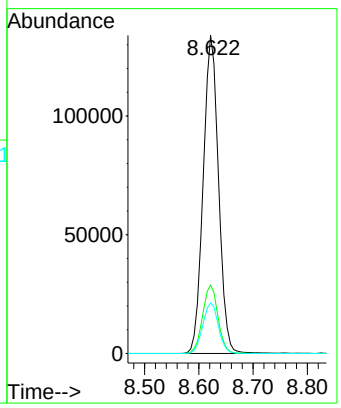


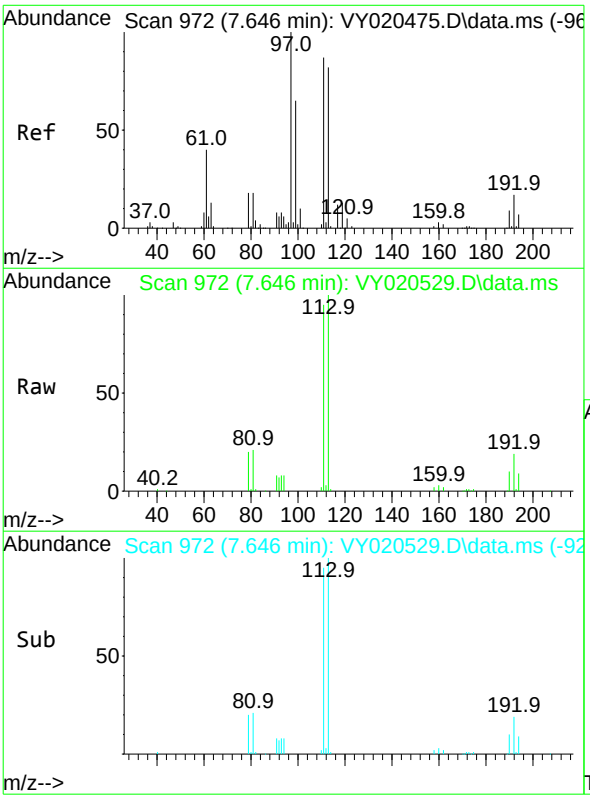
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020529.D
Acq: 06 Dec 2024 11:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBL01

Tgt Ion:114 Resp: 263214

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	44.8
88	15.9	0.0	32.0

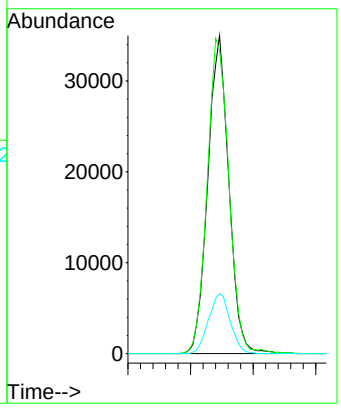


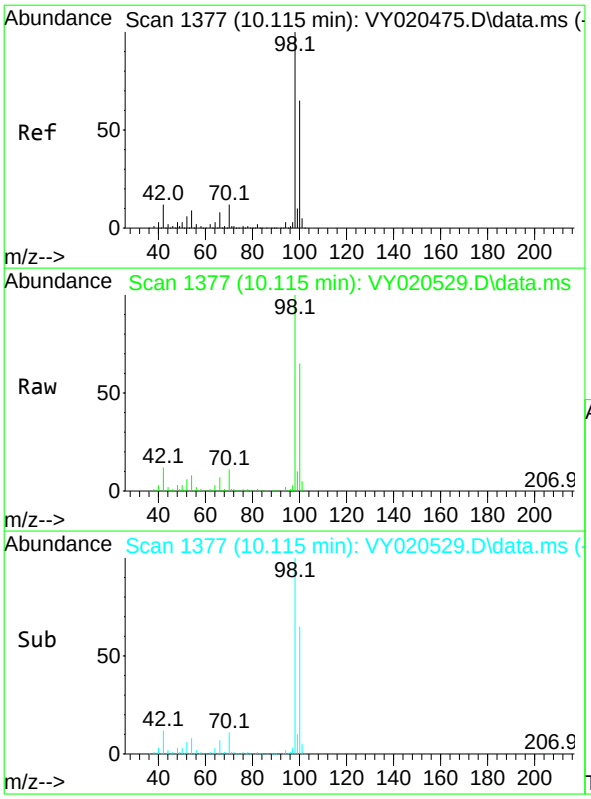


#35
Dibromofluoromethane
Concen: 49.193 ug/l
RT: 7.646 min Scan# 972
Delta R.T. -0.000 min
Lab File: VY020529.D
Acq: 06 Dec 2024 11:31

Tgt Ion:113 Resp: 81516

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	19.4	15.1	22.7



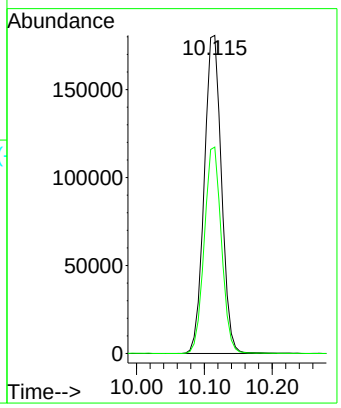


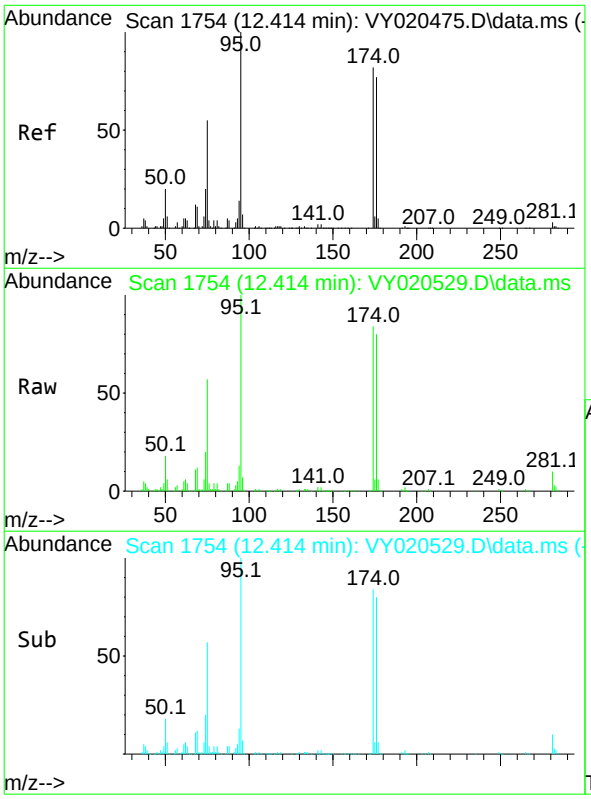
#50
Toluene-d8
Concen: 50.540 ug/l
RT: 10.115 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020529.D
Acq: 06 Dec 2024 11:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBL01

Tgt Ion: 98 Resp: 318895

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.3	76.9

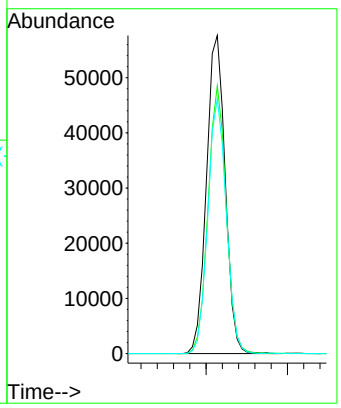


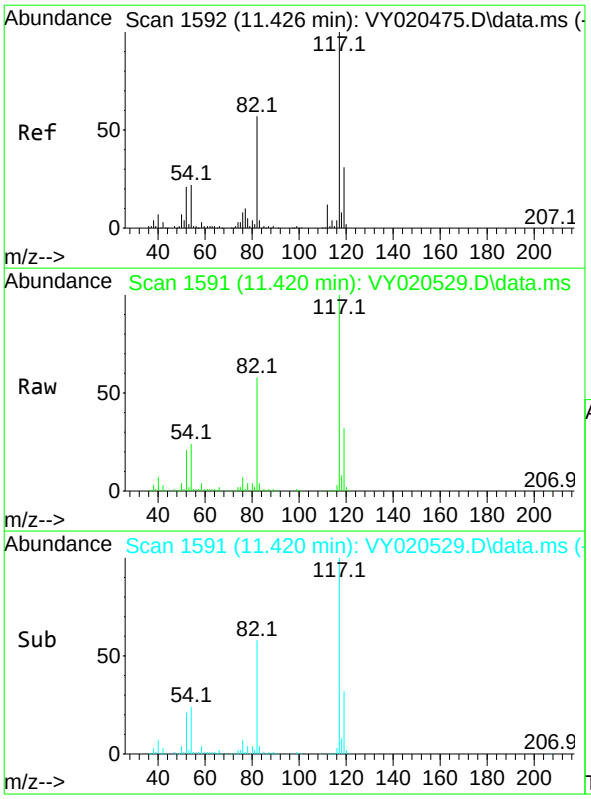


#62
4-Bromofluorobenzene
Concen: 41.668 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020529.D
Acq: 06 Dec 2024 11:31

Tgt Ion: 95 Resp: 91953

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	156.8
176	78.8	0.0	152.0



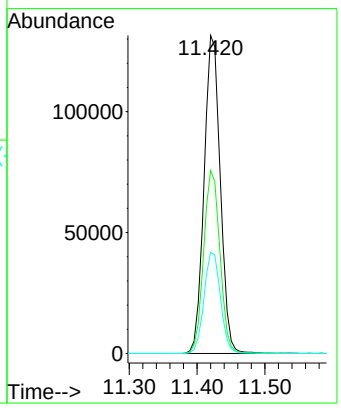


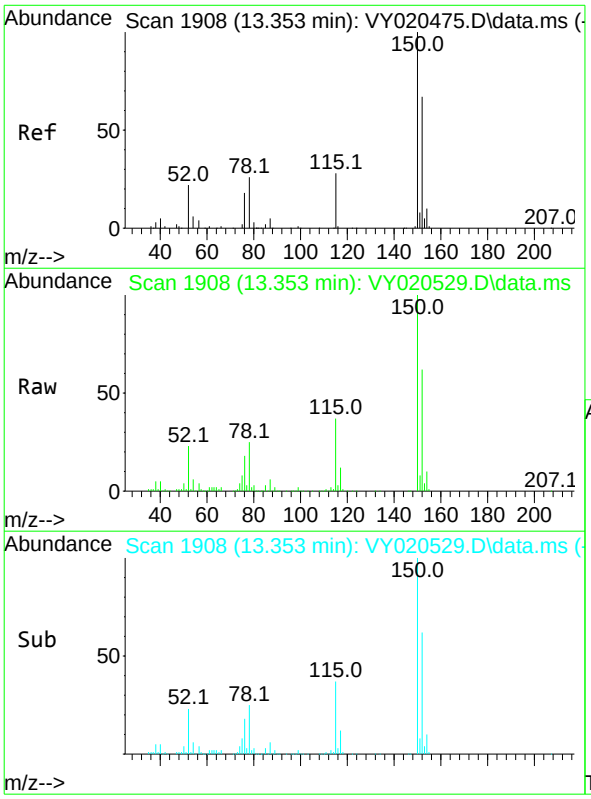
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020529.D
Acq: 06 Dec 2024 11:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBL01

Tgt Ion:117 Resp: 218185

Ion	Ratio	Lower	Upper
117	100		
82	57.5	48.2	72.4
119	31.8	25.8	38.8

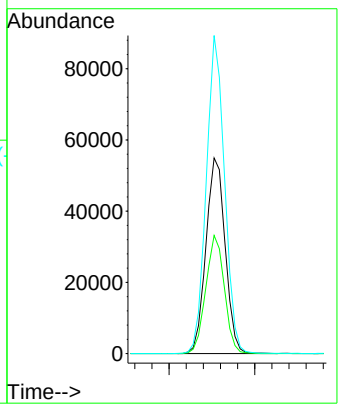




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY020529.D
Acq: 06 Dec 2024 11:31

Tgt Ion:152 Resp: 85714

Ion	Ratio	Lower	Upper
152	100		
115	58.3	30.0	90.0
150	154.8	0.0	348.2



Sample Results: **VY020529.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020529.D
Acq On : 06 Dec 2024 11:31
Operator : SY/MD
Sample : VY1206SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBL01

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\82Y120224S.M
Title : SW846 8260

Signal : TIC: VY020529.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.141	387	397	413	rBV2	6866	25876	3.07%	0.512%
2	6.896	837	849	863	rBV	26074	84126	9.97%	1.665%
3	7.640	961	971	977	rBV2	113758	273653	32.44%	5.414%
4	7.719	977	984	997	rVB	207063	480264	56.93%	9.502%
5	8.055	1026	1039	1052	rBV2	242470	744261	88.23%	14.726%
6	8.622	1124	1132	1147	rBV	321105	631354	74.85%	12.492%
7	9.548	1276	1284	1293	rBV2	7056	13114	1.55%	0.259%
8	9.683	1297	1306	1314	rBV	18873	37331	4.43%	0.739%
9	10.048	1361	1366	1370	rVV2	7943	13846	1.64%	0.274%
10	10.109	1370	1376	1387	rVV	477220	843531	100.00%	16.690%
11	10.518	1436	1443	1449	rBV	35908	64922	7.70%	1.285%
12	10.884	1497	1503	1513	rBV2	15797	27175	3.22%	0.538%
13	10.975	1513	1518	1524	rVB3	5676	9344	1.11%	0.185%
14	11.255	1559	1564	1572	rVB2	16471	27905	3.31%	0.552%
15	11.420	1584	1591	1602	rBV	419272	706593	83.77%	13.981%
16	12.414	1746	1754	1764	rBV2	314584	524853	62.22%	10.385%
17	13.353	1902	1908	1918	rVV	347723	527555	62.54%	10.438%
18	13.895	1991	1997	2003	rBV3	5150	8885	1.05%	0.176%
19	15.230	2212	2216	2222	rVB	6739	9529	1.13%	0.189%

Sum of corrected areas: 5054117

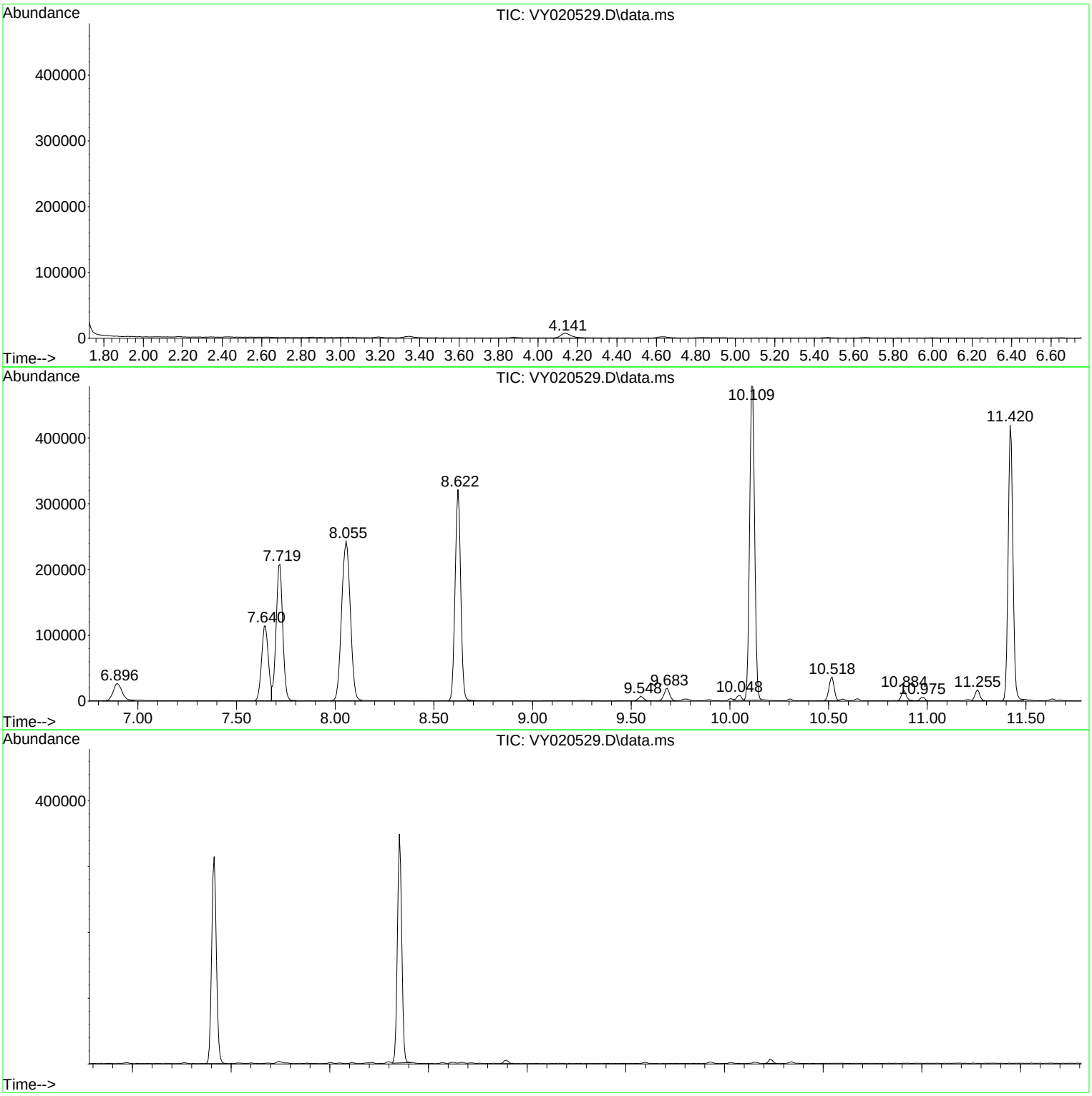
Sample Results: **VY020529.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020529.D
Acq On : 06 Dec 2024 11:31
Operator : SY/MD
Sample : VY1206SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020529.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020529.D
Acq On : 06 Dec 2024 11:31
Operator : SY/MD
Sample : VY1206SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.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\VY120624\
Data File : VY020529.D
Acq On : 06 Dec 2024 11:31
Operator : SY/MD
Sample : VY1206SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.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: **VY020530.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	10th Street & 2nd Avenue	Date Received:	
Client Sample ID:	VY1206SBS01	SDG No.:	P5112
Lab Sample ID:	VY1206SBS01	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
VY020530.D	1		12/06/24 12:19	VY120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.019		0.0017	0.0050	mg/Kg
74-87-3	Chloromethane	0.017		0.0012	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.018		0.00077	0.0050	mg/Kg
74-83-9	Bromomethane	0.018		0.0010	0.0050	mg/Kg
75-00-3	Chloroethane	0.018		0.0010	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.019		0.00091	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.0011	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.019		0.00078	0.0050	mg/Kg
67-64-1	Acetone	0.097		0.0062	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.016		0.0013	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.022		0.00067	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.024		0.0018	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.021		0.0034	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.019		0.00084	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.021		0.00063	0.0050	mg/Kg
110-82-7	Cyclohexane	0.018		0.00069	0.0050	mg/Kg
78-93-3	2-Butanone	0.11		0.0057	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.020		0.00087	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.021		0.00061	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.020		0.0024	0.0050	mg/Kg
67-66-3	Chloroform	0.021		0.00067	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.00078	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.018		0.00087	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00072	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.022		0.00061	0.0050	mg/Kg
79-01-6	Trichloroethene	0.021		0.00075	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.00066	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00056	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.12		0.0044	0.025	mg/Kg
108-88-3	Toluene	0.020		0.00067	0.0050	mg/Kg

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	10th Street & 2nd Avenue	Date Received:	
Client Sample ID:	VY1206SBS01	SDG No.:	P5112
Lab Sample ID:	VY1206SBS01	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
VY020530.D	1		12/06/24 12:19	VY120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.022		0.00060	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00057	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.023		0.00084	0.0050	mg/Kg
591-78-6	2-Hexanone	0.11		0.0048	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.022		0.00065	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.022		0.00079	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.020		0.00089	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00074	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00062	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.040		0.0014	0.010	mg/Kg
95-47-6	o-Xylene	0.020		0.00070	0.0050	mg/Kg
100-42-5	Styrene	0.021		0.00060	0.0050	mg/Kg
75-25-2	Bromoform	0.022		0.00081	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.018		0.00067	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.021		0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.020		0.00074	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.00080	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.021		0.00059	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.022		0.0016	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.021		0.00079	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.022		0.00078	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.0		50 - 163	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	51.9		58 - 134	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		29 - 146	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	137000	7.719			
540-36-3	1,4-Difluorobenzene	218000	8.622			
3114-55-4	Chlorobenzene-d5	187000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	94800	13.353			

Raw Data: **VY020530.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	10th Street & 2nd Avenue	Date Received:	
Client Sample ID:	VY1206SBS01	SDG No.:	P5112
Lab Sample ID:	VY1206SBS01	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
VY020530.D	1		12/06/24 12:19	VY120624

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: **VY020530.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020530.D
Acq On : 06 Dec 2024 12:19
Operator : SY/MD
Sample : VY1206SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 03:23:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	137074	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	217851	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	186835	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	94820	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	75264	53.989	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.980%				
35) Dibromofluoromethane	7.646	113	72240	52.673	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.340%				
50) Toluene-d8	10.115	98	271244	51.939	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.880%				
62) 4-Bromofluorobenzene	12.414	95	97788	53.539	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 107.080%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	25153	18.812	ug/l		99
3) Chloromethane	2.074	50	23272	17.190	ug/l		97
4) Vinyl Chloride	2.214	62	24434	17.702	ug/l		98
5) Bromomethane	2.605	94	14384	17.761	ug/l		90
6) Chloroethane	2.745	64	15368	18.166	ug/l		91
7) Trichlorofluoromethane	3.074	101	49992	19.338	ug/l		98
8) Diethyl Ether	3.464	74	15268	20.844	ug/l		95
9) 1,1,2-Trichlorotrifluo...	3.830	101	30565	20.291	ug/l		99
10) Methyl Iodide	4.019	142	31643	18.713	ug/l		92
11) Tert butyl alcohol	4.891	59	12509	138.325	ug/l		96
12) 1,1-Dichloroethene	3.806	96	26936	18.930	ug/l		96
13) Acrolein	3.671	56	10228	120.801	ug/l		100
14) Allyl chloride	4.397	41	49376	19.456	ug/l		96
15) Acrylonitrile	5.086	53	34841	114.161	ug/l		98
16) Acetone	3.891	43	33564	96.829	ug/l		100
17) Carbon Disulfide	4.123	76	66875	16.421	ug/l		98
18) Methyl Acetate	4.403	43	17729	24.064	ug/l		99
19) Methyl tert-butyl Ether	5.135	73	80314	22.102	ug/l		99
20) Methylene Chloride	4.635	84	31084	21.080	ug/l		97
21) trans-1,2-Dichloroethene	5.135	96	30259	19.146	ug/l		95
22) Diisopropyl ether	6.031	45	108643	21.528	ug/l		93
23) Vinyl Acetate	5.976	43	292171	109.457	ug/l		98
24) 1,1-Dichloroethane	5.933	63	62788	20.666	ug/l		99
25) 2-Butanone	6.915	43	48725	111.319	ug/l		99
26) 2,2-Dichloropropane	6.903	77	55545	19.329	ug/l		100
27) cis-1,2-Dichloroethene	6.909	96	38273	20.739	ug/l		98
28) Bromochloromethane	7.256	49	22390	19.734	ug/l		95
29) Tetrahydrofuran	7.281	42	28693	114.907	ug/l		98
30) Chloroform	7.433	83	65784	21.097	ug/l		94
31) Cyclohexane	7.713	56	50344	18.329	ug/l	#	93
32) 1,1,1-Trichloroethane	7.628	97	61773	20.574	ug/l		97
36) 1,1-Dichloropropene	7.847	75	45012	19.435	ug/l		99
37) Ethyl Acetate	7.000	43	21188	23.092	ug/l	#	97
38) Carbon Tetrachloride	7.829	117	55364	20.029	ug/l		98
39) Methylcyclohexane	9.116	83	52706	18.339	ug/l		97
40) Benzene	8.091	78	136992	20.062	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020530.D
Acq On : 06 Dec 2024 12:19
Operator : SY/MD
Sample : VY1206SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 03:23:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	11643	22.321	ug/l		96
42) 1,2-Dichloroethane	8.171	62	38893	21.676	ug/l		99
43) Isopropyl Acetate	8.207	43	42810	23.106	ug/l		98
44) Trichloroethene	8.878	130	34434	20.455	ug/l		94
45) 1,2-Dichloropropane	9.152	63	33712	21.097	ug/l		97
46) Dibromomethane	9.237	93	17297	21.862	ug/l		97
47) Bromodichloromethane	9.433	83	49437	21.208	ug/l		96
48) Methyl methacrylate	9.225	41	20311	23.508	ug/l		97
49) 1,4-Dioxane	9.244	88	3975	525.620	ug/l		97
51) 4-Methyl-2-Pentanone	10.006	43	109473	119.642	ug/l		100
52) Toluene	10.176	92	86674	20.344	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	45525	21.754	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	51514	20.829	ug/l		95
55) 1,1,2-Trichloroethane	10.579	97	23811	22.561	ug/l		98
56) Ethyl methacrylate	10.445	69	32573	21.812	ug/l		99
57) 1,3-Dichloropropane	10.725	76	41700	22.065	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	72171	103.222	ug/l		97
59) 2-Hexanone	10.768	43	73650	111.575	ug/l		96
60) Dibromochloromethane	10.920	129	32682	22.242	ug/l		97
61) 1,2-Dibromoethane	11.024	107	21033	21.793	ug/l		98
64) Tetrachloroethene	10.652	164	31041	19.662	ug/l		95
65) Chlorobenzene	11.450	112	95272	20.344	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	34369	20.694	ug/l		98
67) Ethyl Benzene	11.524	91	173004	19.709	ug/l		98
68) m/p-Xylenes	11.633	106	127133	39.552	ug/l		99
69) o-Xylene	11.963	106	61109	20.293	ug/l		100
70) Styrene	11.975	104	105115	20.923	ug/l		98
71) Bromoform	12.139	173	18804	22.269	ug/l	#	99
73) Isopropylbenzene	12.261	105	167370	18.243	ug/l		100
74) N-amyl acetate	12.078	43	37299	20.743	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	27019	20.479	ug/l		98
76) 1,2,3-Trichloropropane	12.566	75	16073m	16.640	ug/l		
77) Bromobenzene	12.536	156	36721	19.328	ug/l		96
78) n-propylbenzene	12.603	91	202071	18.603	ug/l		98
79) 2-Chlorotoluene	12.688	91	115933	18.915	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	138584	18.850	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	8848	18.795	ug/l		96
82) 4-Chlorotoluene	12.786	91	118712	18.979	ug/l		100
83) tert-Butylbenzene	13.005	119	125872	18.937	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	137039	19.177	ug/l		99
85) sec-Butylbenzene	13.182	105	180788	18.978	ug/l		98
86) p-Isopropyltoluene	13.298	119	151863	19.292	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	71659	19.557	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	72677	20.261	ug/l		99
89) n-Butylbenzene	13.621	91	141329	19.358	ug/l		100
90) Hexachloroethane	13.889	117	29722	19.374	ug/l		96
91) 1,2-Dichlorobenzene	13.664	146	64486	20.753	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	4364	21.849	ug/l		97
93) 1,2,4-Trichlorobenzene	14.932	180	36082	20.651	ug/l		100
94) Hexachlorobutadiene	15.029	225	24439	19.994	ug/l		99
95) Naphthalene	15.151	128	62137	21.977	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	31003	21.990	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020530.D
Acq On : 06 Dec 2024 12:19
Operator : SY/MD
Sample : VY1206SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 03:23:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

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

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

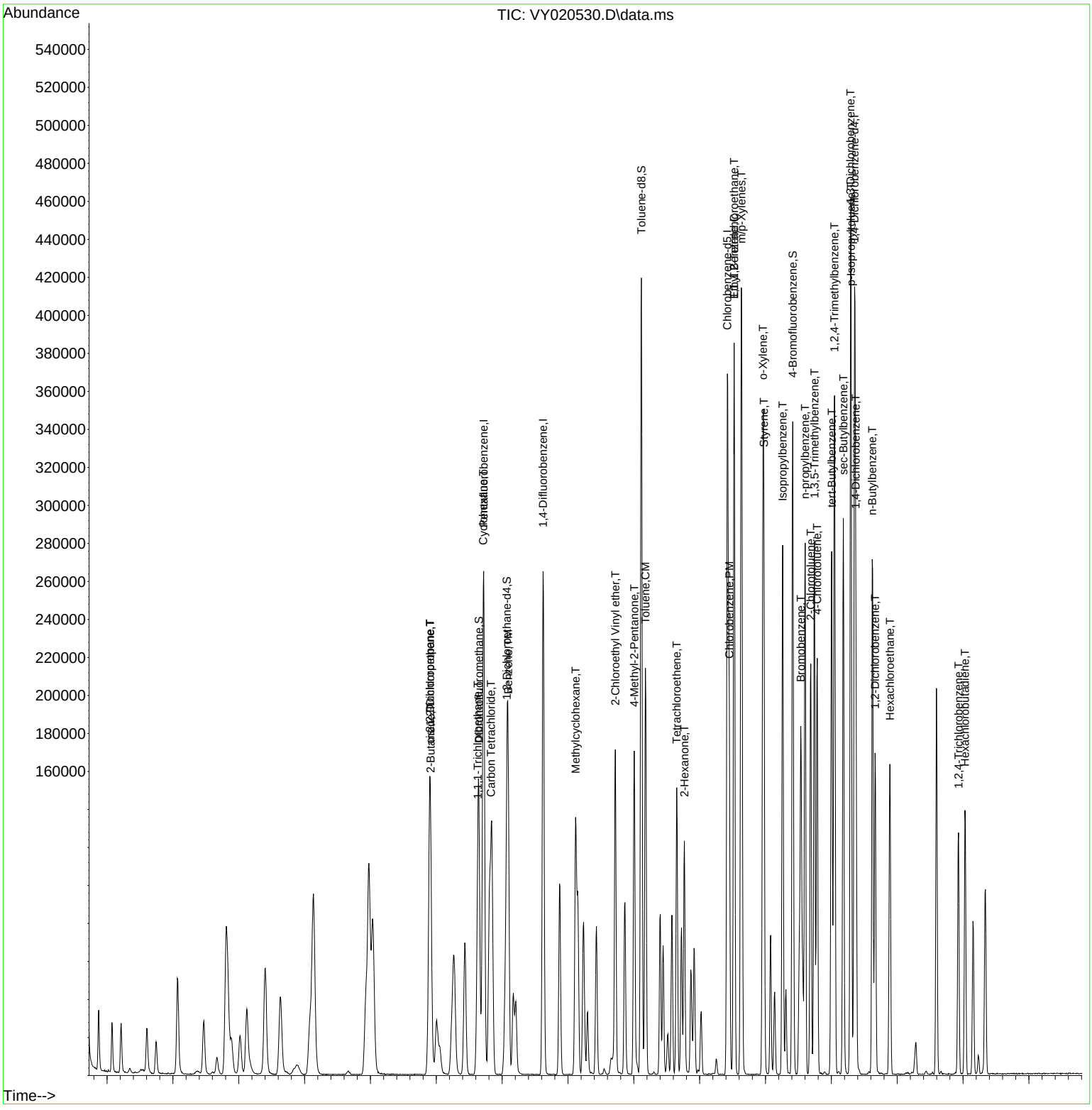
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020530.D
Acq On : 06 Dec 2024 12:19
Operator : SY/MD
Sample : VY1206SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 03:23:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



Raw Data: **VY020531.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	10th Street & 2nd Avenue	Date Received:	
Client Sample ID:	VY1206SBSD01	SDG No.:	P5112
Lab Sample ID:	VY1206SBSD01	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
VY020531.D	1		12/06/24 12:41	VY120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.019		0.0017	0.0050	mg/Kg
74-87-3	Chloromethane	0.018		0.0012	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.018		0.00077	0.0050	mg/Kg
74-83-9	Bromomethane	0.019		0.0010	0.0050	mg/Kg
75-00-3	Chloroethane	0.019		0.0010	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.019		0.00091	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.0011	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.020		0.00078	0.0050	mg/Kg
67-64-1	Acetone	0.10		0.0062	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.016		0.0013	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.023		0.00067	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.026		0.0018	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.023		0.0034	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.00084	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.021		0.00063	0.0050	mg/Kg
110-82-7	Cyclohexane	0.019		0.00069	0.0050	mg/Kg
78-93-3	2-Butanone	0.12		0.0057	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.020		0.00087	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.021		0.00061	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.021		0.0024	0.0050	mg/Kg
67-66-3	Chloroform	0.022		0.00067	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.00078	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.018		0.00087	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00072	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.023		0.00061	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00075	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.00066	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.022		0.00056	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.13		0.0044	0.025	mg/Kg
108-88-3	Toluene	0.021		0.00067	0.0050	mg/Kg

Raw Data: **VY020531.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	10th Street & 2nd Avenue	Date Received:	
Client Sample ID:	VY1206SBSD01	SDG No.:	P5112
Lab Sample ID:	VY1206SBSD01	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
VY020531.D	1		12/06/24 12:41	VY120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.022		0.00060	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00057	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.024		0.00084	0.0050	mg/Kg
591-78-6	2-Hexanone	0.12		0.0048	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.023		0.00065	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.023		0.00079	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.00089	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.021		0.00074	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00062	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.040		0.0014	0.010	mg/Kg
95-47-6	o-Xylene	0.020		0.00070	0.0050	mg/Kg
100-42-5	Styrene	0.021		0.00060	0.0050	mg/Kg
75-25-2	Bromoform	0.023		0.00081	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.019		0.00067	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.021		0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.00074	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.00080	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.021		0.00059	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.023		0.0016	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.022		0.00079	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.023		0.00078	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.3		50 - 163	117%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		54 - 147	108%	SPK: 50
2037-26-5	Toluene-d8	52.7		58 - 134	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		29 - 146	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	135000	7.713			
540-36-3	1,4-Difluorobenzene	217000	8.622			
3114-55-4	Chlorobenzene-d5	188000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	95200	13.353			

Raw Data: **VY020531.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	10th Street & 2nd Avenue	Date Received:	
Client Sample ID:	VY1206SBSD01	SDG No.:	P5112
Lab Sample ID:	VY1206SBSD01	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
VY020531.D	1		12/06/24 12:41	VY120624

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: **VY020531.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020531.D
Acq On : 06 Dec 2024 12:41
Operator : SY/MD
Sample : VY1206SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 03:23:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	134587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	216718	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	188190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	95244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	79787	58.291	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.580%			
35) Dibromofluoromethane	7.640	113	73989	54.231	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.460%			
50) Toluene-d8	10.109	98	273597	52.664	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.320%			
62) 4-Bromofluorobenzene	12.408	95	98798	54.374	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 108.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	24445	18.620	ug/l	98
3) Chloromethane	2.074	50	23637	17.783	ug/l	96
4) Vinyl Chloride	2.208	62	23998	17.707	ug/l	99
5) Bromomethane	2.598	94	14772	18.577	ug/l	97
6) Chloroethane	2.739	64	15389	18.526	ug/l	93
7) Trichlorofluoromethane	3.062	101	48899	19.265	ug/l	99
8) Diethyl Ether	3.464	74	15447	21.479	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	30208	20.425	ug/l	98
10) Methyl Iodide	4.013	142	32517	19.585	ug/l	94
11) Tert butyl alcohol	4.872	59	15753	177.416	ug/l	96
12) 1,1-Dichloroethene	3.793	96	27385	19.601	ug/l	87
13) Acrolein	3.659	56	10013	120.447	ug/l	98
14) Allyl chloride	4.391	41	48908	19.628	ug/l	97
15) Acrylonitrile	5.068	53	36422	121.547	ug/l	98
16) Acetone	3.879	43	35353	103.875	ug/l	100
17) Carbon Disulfide	4.116	76	65454	16.369	ug/l	98
18) Methyl Acetate	4.391	43	18751	25.922	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	83268	23.338	ug/l	98
20) Methylene Chloride	4.629	84	32597	22.515	ug/l	89
21) trans-1,2-Dichloroethene	5.122	96	30793	19.844	ug/l	96
22) Diisopropyl ether	6.025	45	109452	22.089	ug/l	95
23) Vinyl Acetate	5.970	43	299658	114.336	ug/l	98
24) 1,1-Dichloroethane	5.927	63	62081	20.811	ug/l	99
25) 2-Butanone	6.903	43	50930	118.507	ug/l	93
26) 2,2-Dichloropropane	6.890	77	56550	20.043	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	38333	21.155	ug/l	99
28) Bromochloromethane	7.250	49	22798	20.465	ug/l	92
29) Tetrahydrofuran	7.268	42	30954	126.253	ug/l	98
30) Chloroform	7.427	83	66805	21.820	ug/l	93
31) Cyclohexane	7.713	56	50105	18.579	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	60886	20.653	ug/l	97
36) 1,1-Dichloropropene	7.841	75	43892	19.051	ug/l	99
37) Ethyl Acetate	6.994	43	23296	25.522	ug/l	98
38) Carbon Tetrachloride	7.823	117	56002	20.366	ug/l	97
39) Methylcyclohexane	9.109	83	52335	18.305	ug/l	98
40) Benzene	8.085	78	138789	20.431	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020531.D
Acq On : 06 Dec 2024 12:41
Operator : SY/MD
Sample : VY1206SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 03:23:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.232	41	11251	21.683 ug/l		91
42) 1,2-Dichloroethane	8.165	62	40231	22.539 ug/l		99
43) Isopropyl Acetate	8.201	43	44952	24.388 ug/l	#	89
44) Trichloroethene	8.872	130	34238	20.445 ug/l		93
45) 1,2-Dichloropropane	9.146	63	33168	20.865 ug/l		100
46) Dibromomethane	9.238	93	18096	22.992 ug/l		98
47) Bromodichloromethane	9.427	83	50849	21.928 ug/l		99
48) Methyl methacrylate	9.225	41	20041	23.317 ug/l		95
49) 1,4-Dioxane	9.244	88	4051	538.470 ug/l		91
51) 4-Methyl-2-Pentanone	10.000	43	117388	128.963 ug/l		99
52) Toluene	10.176	92	87463	20.636 ug/l		99
53) t-1,3-Dichloropropene	10.396	75	46206	22.195 ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	52543	21.356 ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	24721	23.546 ug/l		98
56) Ethyl methacrylate	10.445	69	35228	23.714 ug/l		96
57) 1,3-Dichloropropane	10.719	76	43454	23.113 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	76789	110.400 ug/l		95
59) 2-Hexanone	10.762	43	77590	118.159 ug/l		97
60) Dibromochloromethane	10.914	129	34067	23.306 ug/l		100
61) 1,2-Dibromoethane	11.018	107	22160	23.080 ug/l		99
64) Tetrachloroethene	10.652	164	32600	20.501 ug/l		97
65) Chlorobenzene	11.444	112	97707	20.713 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	35174	21.026 ug/l		98
67) Ethyl Benzene	11.524	91	174491	19.735 ug/l		98
68) m/p-Xylenes	11.633	106	129146	39.889 ug/l		100
69) o-Xylene	11.957	106	61830	20.385 ug/l		99
70) Styrene	11.975	104	105375	20.824 ug/l		100
71) Bromoform	12.133	173	19816	23.298 ug/l	#	99
73) Isopropylbenzene	12.255	105	172217	18.688 ug/l		100
74) N-amyl acetate	12.072	43	38851	21.510 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	27870	21.030 ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	23573m	24.296 ug/l		
77) Bromobenzene	12.536	156	37099	19.440 ug/l		98
78) n-propylbenzene	12.597	91	203159	18.620 ug/l		100
79) 2-Chlorotoluene	12.682	91	116944	18.995 ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	140315	19.000 ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	9880	20.894 ug/l		93
82) 4-Chlorotoluene	12.780	91	120924	19.247 ug/l		100
83) tert-Butylbenzene	12.999	119	128580	19.258 ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	136970	19.082 ug/l		99
85) sec-Butylbenzene	13.182	105	181819	19.002 ug/l		100
86) p-Isopropyltoluene	13.298	119	153436	19.405 ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	75324	20.466 ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	73224	20.323 ug/l		98
89) n-Butylbenzene	13.621	91	141722	19.325 ug/l		98
90) Hexachloroethane	13.883	117	30293	19.658 ug/l		95
91) 1,2-Dichlorobenzene	13.664	146	65386	20.949 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4652	23.188 ug/l		98
93) 1,2,4-Trichlorobenzene	14.926	180	38560	21.971 ug/l		99
94) Hexachlorobutadiene	15.029	225	25000	20.362 ug/l		96
95) Naphthalene	15.151	128	67091	23.623 ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	32867	23.209 ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020531.D
Acq On : 06 Dec 2024 12:41
Operator : SY/MD
Sample : VY1206SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 03:23:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

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

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

Sample Results: **VY020531.D**

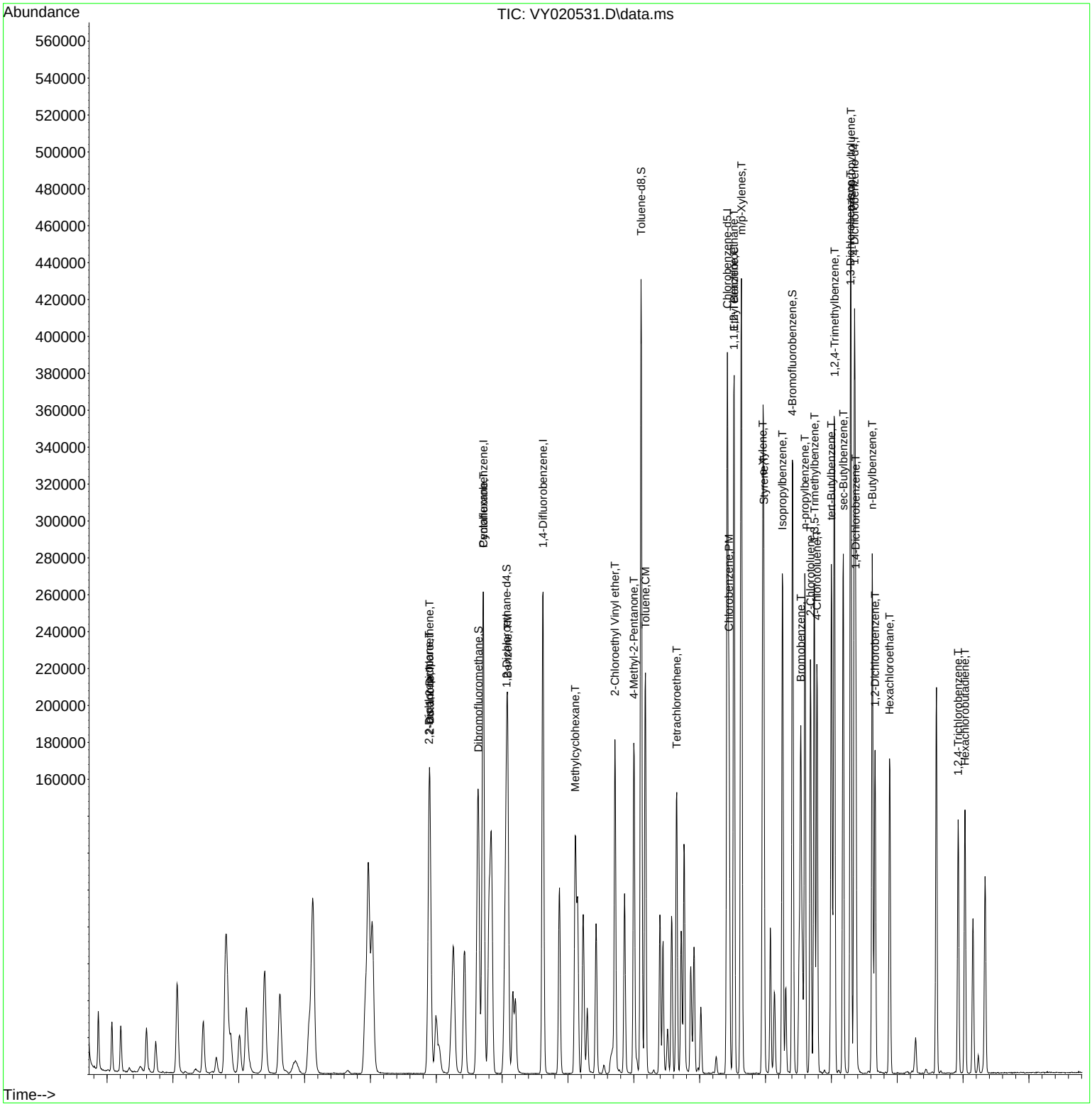
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020531.D
Acq On : 06 Dec 2024 12:41
Operator : SY/MD
Sample : VY1206SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 03:23:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



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

Manual Integration Report

Sequence:	vy120224	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY020472.D	1,2,3-Trichloropropane	Romaben	12/3/2024 9:55:09 AM	MMDadoda	12/3/2024 1:37:01 PM	Peak Integrated by Software
VSTDICC010	VY020473.D	1,2,3-Trichloropropane	Romaben	12/3/2024 9:55:16 AM	MMDadoda	12/3/2024 1:37:02 PM	Peak Integrated by Software
VSTDICC020	VY020474.D	1,2,3-Trichloropropane	Romaben	12/3/2024 9:55:19 AM	MMDadoda	12/3/2024 1:37:04 PM	Peak Integrated by Software
VSTDICCC050	VY020475.D	1,2,3-Trichloropropane	Romaben	12/3/2024 9:56:34 AM	MMDadoda	12/3/2024 1:37:06 PM	Peak Integrated by Software
VSTDICC100	VY020476.D	1,2,3-Trichloropropane	Romaben	12/3/2024 9:55:46 AM	MMDadoda	12/3/2024 1:37:08 PM	Peak Integrated by Software
VSTDICC150	VY020477.D	1,2,3-Trichloropropane	Romaben	12/3/2024 9:55:54 AM	MMDadoda	12/3/2024 1:37:09 PM	Peak Integrated by Software
VSTDICV050	VY020479.D	1,2,3-Trichloropropane	Romaben	12/3/2024 9:55:58 AM	MMDadoda	12/3/2024 1:37:11 PM	Peak Integrated by Software
VSTDCCC050	VY020491.D	1,2,3-Trichloropropane	Romaben	12/3/2024 9:56:17 AM	MMDadoda	12/3/2024 1:37:16 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY120624	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020528.D	1,2,3-Trichloropropane	MMDadoda	12/9/2024 8:30:09 AM	SAM	12/9/2024 8:35:02 AM	Peak Integrated by Software
VY1206SBS01	VY020530.D	1,2,3-Trichloropropane	MMDadoda	12/9/2024 8:30:13 AM	SAM	12/9/2024 8:35:05 AM	Peak Integrated by Software
VY1206SBSD01	VY020531.D	1,2,3-Trichloropropane	MMDadoda	12/9/2024 8:30:20 AM	SAM	12/9/2024 8:35:08 AM	Peak Integrated by Software
VSTDCCC050	VY020543.D	1,2,3-Trichloropropane	MMDadoda	12/9/2024 8:30:26 AM	SAM	12/9/2024 8:35:11 AM	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 # VY120224

Review By	Mahesh Dadoda	Review On	12/3/2024 1:38:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/3/2024 1:43:04 PM		
SubDirectory	VY120224	HP Acquire Method		HP Processing Method	82y120224s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131856
Initial Calibration Stds	VP131857,VP131858,VP131859,VP131860,VP131861,VP131862
CCC	VP131863
Internal Standard/PEM	VP131783
ICV/I.BLK	VP131870
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020471.D	02 Dec 2024 08:23	SY/MD	Ok
2	VSTDICC005	VY020472.D	02 Dec 2024 09:16	SY/MD	Ok,M
3	VSTDICC010	VY020473.D	02 Dec 2024 09:38	SY/MD	Ok,M
4	VSTDICC020	VY020474.D	02 Dec 2024 10:01	SY/MD	Ok,M
5	VSTDICCC050	VY020475.D	02 Dec 2024 10:24	SY/MD	Ok,M
6	VSTDICC100	VY020476.D	02 Dec 2024 10:46	SY/MD	Ok,M
7	VSTDICC150	VY020477.D	02 Dec 2024 11:09	SY/MD	Ok,M
8	VIBLK	VY020478.D	02 Dec 2024 11:32	SY/MD	Ok
9	VSTDICV050	VY020479.D	02 Dec 2024 12:11	SY/MD	Ok,M
10	VY1202SBL01	VY020480.D	02 Dec 2024 12:54	SY/MD	Ok
11	VY1202SBS01	VY020481.D	02 Dec 2024 13:26	SY/MD	Ok,M
12	VY1202SBSD01	VY020482.D	02 Dec 2024 13:49	SY/MD	Ok,M
13	P5019-01	VY020483.D	02 Dec 2024 14:24	SY/MD	Ok
14	P5005-01	VY020484.D	02 Dec 2024 14:47	SY/MD	Not Ok
15	P5045-01RE	VY020485.D	02 Dec 2024 15:11	SY/MD	Confirms
16	P5046-01	VY020486.D	02 Dec 2024 15:34	SY/MD	Ok
17	P5048-03	VY020487.D	02 Dec 2024 15:58	SY/MD	Ok
18	P5026-04	VY020488.D	02 Dec 2024 16:21	SY/MD	Ok
19	P5026-08	VY020489.D	02 Dec 2024 16:44	SY/MD	Ok
20	P5025-04	VY020490.D	02 Dec 2024 17:08	SY/MD	Ok
21	VSTDCCC050	VY020491.D	02 Dec 2024 17:38	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 # VY120624

Review By	Mahesh Dadoda	Review On	12/9/2024 8:31:41 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2024 8:35:00 AM		
SubDirectory	VY120624	HP Acquire Method		HP Processing Method	82y120224s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131991
Initial Calibration Stds	
CCC	VP131992,VP131994
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020527.D	06 Dec 2024 09:07	SY/MD	Ok
2	VSTDCCC050	VY020528.D	06 Dec 2024 10:54	SY/MD	Ok,M
3	VY1206SBL01	VY020529.D	06 Dec 2024 11:31	SY/MD	Ok
4	VY1206SBS01	VY020530.D	06 Dec 2024 12:19	SY/MD	Ok,M
5	VY1206SBSD01	VY020531.D	06 Dec 2024 12:41	SY/MD	Ok,M
6	P5112-01	VY020532.D	06 Dec 2024 13:33	SY/MD	Ok
7	P5098-01	VY020533.D	06 Dec 2024 13:57	SY/MD	Not Ok
8	P5105-01	VY020534.D	06 Dec 2024 14:20	SY/MD	Not Ok
9	P5100-01	VY020535.D	06 Dec 2024 14:43	SY/MD	Ok
10	P5108-01	VY020536.D	06 Dec 2024 15:07	SY/MD	Ok
11	P5137-01	VY020537.D	06 Dec 2024 15:30	SY/MD	Ok
12	P5136-01	VY020538.D	06 Dec 2024 15:54	SY/MD	Ok
13	P5133-01	VY020539.D	06 Dec 2024 16:17	SY/MD	Dilution
14	P5096-03	VY020540.D	06 Dec 2024 16:41	SY/MD	Ok
15	P5096-07	VY020541.D	06 Dec 2024 17:04	SY/MD	Ok
16	P5095-03	VY020542.D	06 Dec 2024 17:27	SY/MD	Ok
17	VSTDCCC050	VY020543.D	06 Dec 2024 17:50	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 # VY120224

Review By	Mahesh Dadoda	Review On	12/3/2024 1:38:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/3/2024 1:43:04 PM		
SubDirectory	VY120224	HP Acquire Method		HP Processing Method	82y120224s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131856
Initial Calibration Stds	VP131857,VP131858,VP131859,VP131860,VP131861,VP131862
CCC	VP131863
Internal Standard/PEM	VP131783
ICV/I.BLK	VP131870
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020471.D	02 Dec 2024 08:23		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020472.D	02 Dec 2024 09:16		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY020473.D	02 Dec 2024 09:38		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020474.D	02 Dec 2024 10:01		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY020475.D	02 Dec 2024 10:24		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY020476.D	02 Dec 2024 10:46		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY020477.D	02 Dec 2024 11:09		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020478.D	02 Dec 2024 11:32		SY/MD	Ok
9	VSTDICV050	ICVVY120224	VY020479.D	02 Dec 2024 12:11		SY/MD	Ok,M
10	VY1202SBL01	VY1202SBL01	VY020480.D	02 Dec 2024 12:54		SY/MD	Ok
11	VY1202SBS01	VY1202SBS01	VY020481.D	02 Dec 2024 13:26		SY/MD	Ok,M
12	VY1202SBSD01	VY1202SBSD01	VY020482.D	02 Dec 2024 13:49		SY/MD	Ok,M
13	P5019-01	EO-02-11262024	VY020483.D	02 Dec 2024 14:24	vial-B	SY/MD	Ok
14	P5005-01	STOCK-PILE	VY020484.D	02 Dec 2024 14:47	vial-B Not purged	SY/MD	Not Ok
15	P5045-01RE	SU-04-11222024RE	VY020485.D	02 Dec 2024 15:11	vial-B Internal Standard Fail	SY/MD	Confirms
16	P5046-01	HD-01-11272024	VY020486.D	02 Dec 2024 15:34	vial-B Internal Standard Fail	SY/MD	Ok
17	P5048-03	MH-746--VOC	VY020487.D	02 Dec 2024 15:58	vial-B	SY/MD	Ok
18	P5026-04	SOIL-1-HAM-GRAB	VY020488.D	02 Dec 2024 16:21	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 # VY120224

Review By	Mahesh Dadoda	Review On	12/3/2024 1:38:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/3/2024 1:43:04 PM		
SubDirectory	VY120224	HP Acquire Method		HP Processing Method	82y120224s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131856
Initial Calibration Stds	VP131857,VP131858,VP131859,VP131860,VP131861,VP131862
CCC	VP131863
Internal Standard/PEM	VP131783
ICV/I.BLK	VP131870
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5026-08	SOIL-1-HAM-GRAB	VY020489.D	02 Dec 2024 16:44	vial-B	SY/MD	Ok
20	P5025-04	SOIL-WEST-GRAB	VY020490.D	02 Dec 2024 17:08	vial-B	SY/MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VY020491.D	02 Dec 2024 17:38		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 # VY120624

Review By	Mahesh Dadoda	Review On	12/9/2024 8:31:41 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2024 8:35:00 AM		
SubDirectory	VY120624	HP Acquire Method		HP Processing Method	82y120224s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131991
Initial Calibration Stds	
CCC	VP131992,VP131994
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020527.D	06 Dec 2024 09:07		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020528.D	06 Dec 2024 10:54		SY/MD	Ok,M
3	VY1206SBL01	VY1206SBL01	VY020529.D	06 Dec 2024 11:31		SY/MD	Ok
4	VY1206SBS01	VY1206SBS01	VY020530.D	06 Dec 2024 12:19		SY/MD	Ok,M
5	VY1206SBSD01	VY1206SBSD01	VY020531.D	06 Dec 2024 12:41		SY/MD	Ok,M
6	P5112-01	10TH-ST-SOIL	VY020532.D	06 Dec 2024 13:33	vial-B	SY/MD	Ok
7	P5098-01	TR-04-12042024	VY020533.D	06 Dec 2024 13:57	vial-B NOT PURGE	SY/MD	Not Ok
8	P5105-01	CTWK-COMP-1	VY020534.D	06 Dec 2024 14:20	vial-A NOT PURGE	SY/MD	Not Ok
9	P5100-01	324	VY020535.D	06 Dec 2024 14:43	vial-B Internal Standard Fail	SY/MD	Ok
10	P5108-01	ASPHALT-COMP	VY020536.D	06 Dec 2024 15:07	vial-B	SY/MD	Ok
11	P5137-01	LAW-OILY-STONES	VY020537.D	06 Dec 2024 15:30	vial-B	SY/MD	Ok
12	P5136-01	COMP-1	VY020538.D	06 Dec 2024 15:54	vial-B	SY/MD	Ok
13	P5133-01	MOO-24-00374	VY020539.D	06 Dec 2024 16:17	vial-A Internal Standard Fail; Need MEOH	SY/MD	Dilution
14	P5096-03	MH-B-VOC	VY020540.D	06 Dec 2024 16:41	vial-B	SY/MD	Ok
15	P5096-07	MH-A-VOC	VY020541.D	06 Dec 2024 17:04	vial-B	SY/MD	Ok
16	P5095-03	MH-764-VOC	VY020542.D	06 Dec 2024 17:27	vial-B	SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VY020543.D	06 Dec 2024 17:50		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/6/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/05/2024
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: 12/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133767

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
P5112-01	10TH-ST-SOIL	1	1.15	8.38	9.53	8.81	91.4	
P5113-01	FES-SB406-4345	2	1.15	8.81	9.96	8.94	88.4	
P5113-02	FES-SB406-7375	3	1.15	8.61	9.76	7.93	78.7	
P5117-01	TAPIAL3-SB04I-10-120324-00-T1	4	1.15	8.59	9.74	9.37	95.7	
P5117-02	TAPIAL2-IDW-SOIL-120424-00-T2	5	1.15	8.38	9.53	7.84	79.8	
P5120-01	TAPIAL2-IDW-SOIL-120424-00-T2	6	1.15	8.38	9.53	7.84	79.8	
P5133-01	MOO-24-00374	9	1.15	8.35	9.5	9.14	95.7	
P5134-01	MOO-24-00373	10	1.00	1.00	2.00	2.00	100.0	debris
P5135-01	LAW-23-00193	11	1.16	8.44	9.6	9.05	93.5	
P5136-01	COMP-1	12	1.16	8.49	9.65	7.26	71.8	
P5137-01	LAW-OILY-STONES	13	1.00	1.00	2.00	2.00	100.0	oily stone
P5137-02	LAW-OILY-STONES-E2	14	1.00	1.00	2.00	2.00	100.0	oily stone
P5144-01	60400	15	1.00	1.00	2.00	2.00	100.0	wipe sample
P5147-01	EX-8-TPH-1	7	1.15	8.82	9.97	8.29	81.0	
P5147-02	EX-8-TPH-2	8	1.15	8.76	9.91	8.1	79.3	

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

WORKLIST(Hardcopy Internal Chain)

VB 133767

WorkList Name : %1-120524 **WorkList ID :** 185988 **Department :** Wet-Chemistry **Date :** 12-05-2024 08:21:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5112-01	10TH-ST-SOIL	Solid	Percent Solids	Cool 4 deg C	TULL02	L51	12/05/2024	Chemtech -SO
P5113-01	FES-SB406-4345	Solid	Percent Solids	Cool 4 deg C	TETR06	L31	12/04/2024	Chemtech -SO
P5113-02	FES-SB406-7375	Solid	Percent Solids	Cool 4 deg C	TETR06	L31	12/04/2024	Chemtech -SO
P5117-01	TAPIAL3-SB04I-10-120324-00-	Solid	Percent Solids	Cool 4 deg C	WEST04	L41	12/05/2024	Chemtech -SO
P5117-02	TAPIAL2-IDW-SOIL-120424-00·	Solid	Percent Solids	Cool 4 deg C	WEST04	L41	12/05/2024	Chemtech -SO
P5120-01	TAPIAL2-IDW-SOIL-120424-00·	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	11/27/2024	Chemtech -SO
P5133-01	MOO-24-00374	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5134-01	MOO-24-00373	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5135-01	LAW-23-00193	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	12/05/2024	Chemtech -SO
P5136-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5137-01	LAW-OILY-STONES	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5137-02	LAW-OILY-STONES-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5147-01	EX-8-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	12/05/2024	Chemtech -SO
P5147-02	EX-8-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	12/05/2024	Chemtech -SO

Date/Time 12/05/24 15:40

Raw Sample Received by: TD WPC

Raw Sample Relinquished by: RJ CENT-(ab)

Date/Time 12/05/24 17:10

Raw Sample Received by: RJ CENT-(ab)

Raw Sample Relinquished by: TD WPC

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. P5112
COC Number 2040992

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Tully Construction
ADDRESS: 10th St. & 2nd Ave
CITY Brooklyn STATE: NY ZIP:
ATTENTION: Franco / Dean Denoe
PHONE: (917) 391-8200 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Coney Island Yard Long Term Flood Mitigation 2024
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 VOCs 2 SVOC, PCB 3 TCLP Extraction 4 Corrosivity, Ignitability 5 Reac. Cyan. / Reac. Sulf. 6 Mercury, Met. TCL 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								E	E	E	E	E	E				← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	10th St. - Soil	S.	X		12/5	0822	13	X	X	X	X	X	X				PM-0-0
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1.	DATE/TIME: 0855 12/5/24	RECEIVED BY: 1.
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1020 12/5/24	RECEIVED BY: 3.

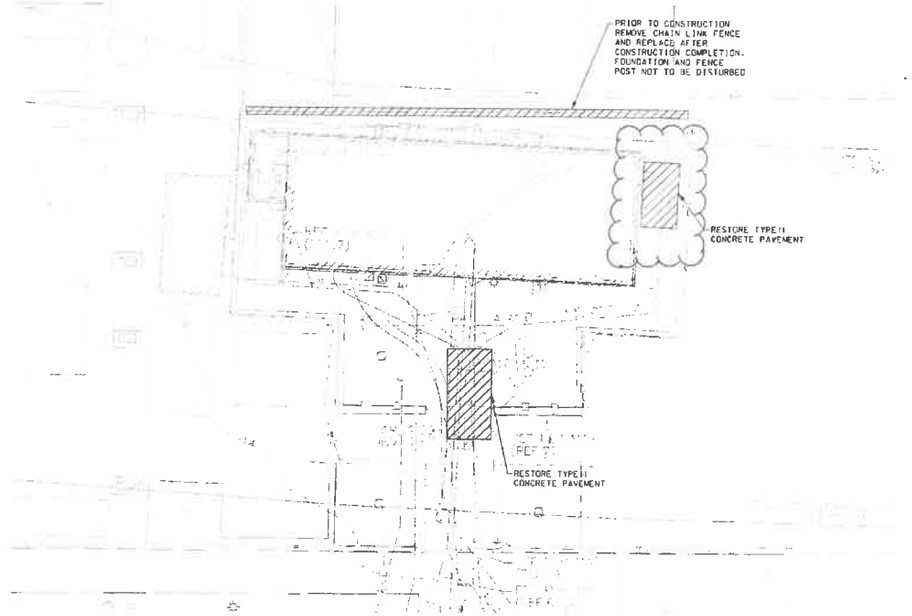
Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5°C °C
Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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



SITE PAVEMENT PLAN
SCALE: 1"=1'-0"

REVISION	DESCRIPTION	DATE	APPROVED

REVISIONS

MTA CONSTRUCTION & DEVELOPMENT

CONTRACT P-36343
FLOOD MITIGATION AT TWENTY-SIX (26) SUBSTATIONS
IN THE BOROUGH OF BROOKLYN, MANHATTAN AND QUEENS

10TH STREET SUBSTATION
SITE PAVEMENT PLAN

DRAWN BY	B. HOSAMATH		DATE: 12/08/2023
DESIGNED BY	L. KARDOS, PE	Leyla Kardos	DISCIPLINE: CIVIL
CHECKED BY	M. NAYAMATULLAH, PE	Manjura Nayamatullah	P36343-10T-CG-101
APPROVED BY	S. KHONDKER, PE	Sufian Khondker	REVISION

$DESIGNSFILE$EXPANDED$SPECS

PRINT AS OF $DATE$OF$PLOTTING$ USER$NAME

CHEMTECH
Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Coney Island Yard Long Term Flood Mitigation 2024
Service Order #: —
Work Order #: —
Labor WBS #: —
Facility/Site: —
Site Address: 10th St. & 2nd Ave Brooklyn NY

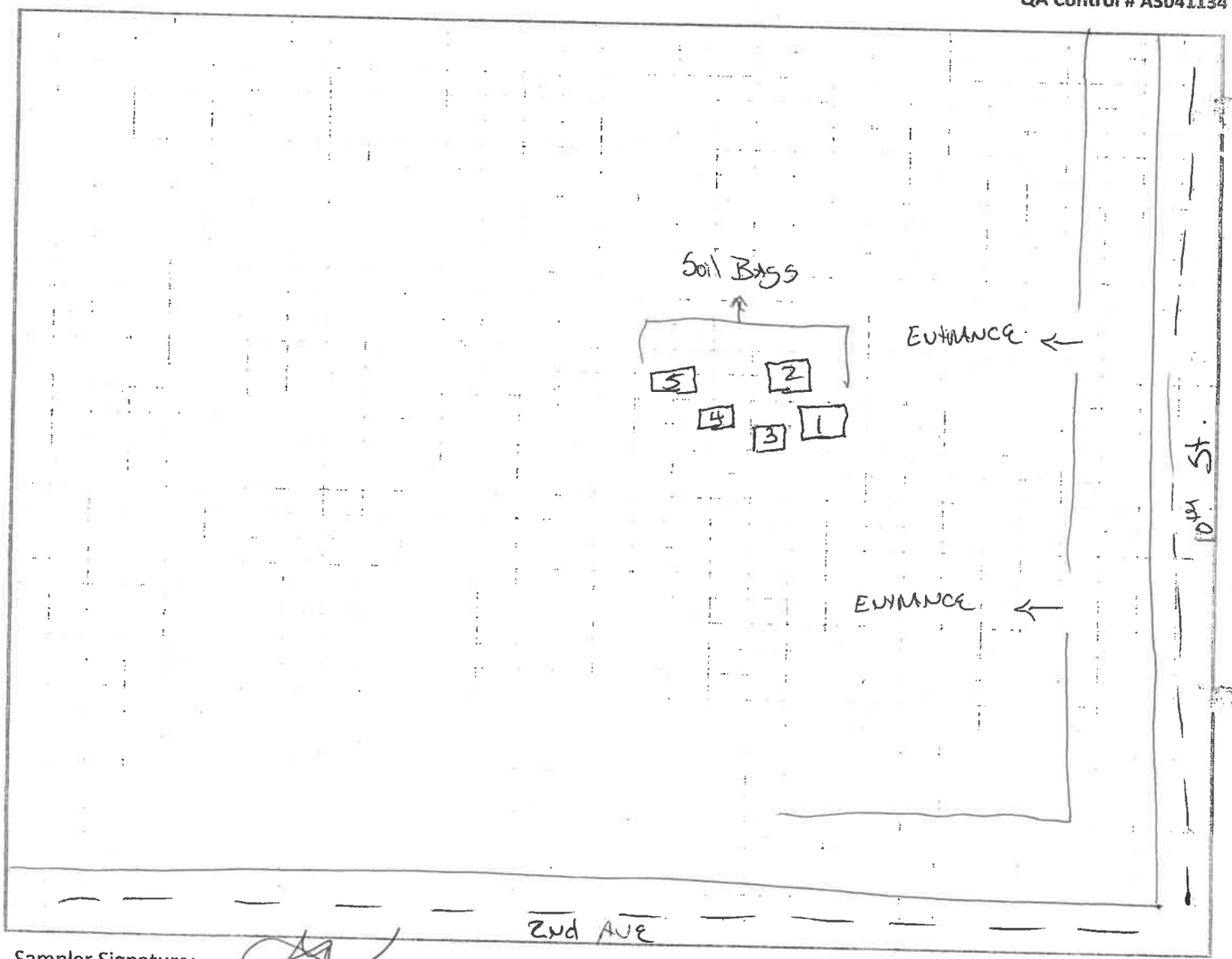
Chemtech Order ID: _____
Sampler Name: George Negron
Client Project Coordinator & Phone: Dean Devoe (917) 391-8200
Page #: 1 of 1
Date: 12-5-24
Arrive Time: 0730
Depart Time: 0855

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank
Sample Matrices (circle all that apply): Water / (Solid) / NAPL / Concrete / Wipe

Collection Depths: _____ **Dimensions/CY**: _____
Temp (range): _____ °C **PID Readings (range)**: 0-0 PPM **Odor**: Y / (N) **Color**: Y / (N)
Sample Description: Brown, Dark Brown Soil
Field Observations: (5) Total Soil Bags inside station

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: _____
Client Signature: _____
Supervisor Review/Date: _____
Date/Time Arrived at Lab: _____

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5112 TULL02
Client Name : Tully Construction Co., Inc.
Client Contact : Dean Devoe
Invoice Name : Tully Construction Co., Inc.
Invoice Contact : Dean Devoe

Order Date : 12/5/2024 10:43:00 AM
Project Name : 10th Street & 2nd Avenue
Receive DateTime : 12/5/2024 ~~12:00:00~~ 10:20 AM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : Excel NY 375
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5112-01	10TH-ST-SOIL	Solid	12/05/2024	00:00 8:22	VOC-TCLVOA-10		8260D	5 Bus. Days	

Relinguished By :
Date / Time : 12/5/24 1140

Received By :
Date / Time : 12/5/24 11:40
Storage Area : VOA Refridgerator Room