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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

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LAB CHRONICLE

OrderID:	P5194	**OrderDate:**	12/6/2024 3:08:24 PM
Client:	JPCL Engineering	**Project:**	1454 to 1460 Haddon Avenue, Camden, NJ
Contact:	Paul Rotondi	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5194-03	**WP-1**	**SOIL**			**12/05/24**			**12/06/24**
			VOC-TCLVOA-10	8260D			12/10/24	
P5194-04	**WP-2**	**SOIL**			**12/05/24**			**12/06/24**
			VOC-TCLVOA-10	8260D			12/10/24	
P5194-05	**WP-3**	**SOIL**			**12/05/24**			**12/06/24**
			VOC-TCLVOA-10	8260D			12/10/24	
P5194-06	**WP-4**	**SOIL**			**12/05/24**			**12/06/24**
			VOC-TCLVOA-10	8260D			12/10/24	

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Hit Summary Sheet
SW-846

SDG No.: P5194

Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**WP-2**							
P5194-04	WP-2	SOIL	Acetone	17.3	J	7.40	29.5	ug/Kg
			Total Voc :	17.3				
			Total Concentration:	17.3				

QC SUMMARY

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Surrogate Summary

SDG No.: P5194

Client: JPCL Engineering

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5194-03	WP-1	1,2-Dichloroethane-d4	50	63.3	127	50	163
		Dibromofluoromethane	50	52.8	106	54	147
		Toluene-d8	50	50.8	102	58	134
		4-Bromofluorobenzene	50	46.1	92	29	146
P5194-04	WP-2	1,2-Dichloroethane-d4	50	57.3	115	50	163
		Dibromofluoromethane	50	50.7	101	54	147
		Toluene-d8	50	50.8	102	58	134
		4-Bromofluorobenzene	50	45.1	90	29	146
P5194-05	WP-3	1,2-Dichloroethane-d4	50	59.5	119	50	163
		Dibromofluoromethane	50	51.5	103	54	147
		Toluene-d8	50	50.7	101	58	134
		4-Bromofluorobenzene	50	45.2	90	29	146
P5194-06	WP-4	1,2-Dichloroethane-d4	50	55.8	112	50	163
		Dibromofluoromethane	50	50.8	102	54	147
		Toluene-d8	50	49.8	100	58	134
		4-Bromofluorobenzene	50	43.8	88	29	146
VY1210SBL01	VY1210SBL01	1,2-Dichloroethane-d4	50	51.8	104	50	163
		Dibromofluoromethane	50	48.7	97	54	147
		Toluene-d8	50	49.9	100	58	134
		4-Bromofluorobenzene	50	42.9	86	29	146
VY1210SBS01	VY1210SBS01	1,2-Dichloroethane-d4	50	54.8	110	50	163
		Dibromofluoromethane	50	54.2	108	54	147
		Toluene-d8	50	52.5	105	58	134
		4-Bromofluorobenzene	50	55.0	110	29	146
VY1210SBSD01	VY1210SBSD01	1,2-Dichloroethane-d4	50	50.2	100	50	163
		Dibromofluoromethane	50	49.1	98	54	147
		Toluene-d8	50	47.8	96	58	134
		4-Bromofluorobenzene	50	48.3	97	29	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5194

Client: JPCL Engineering

Analytical Method: SW8260D **Datafile :** VY020562.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1210SBS01	Dichlorodifluoromethane	20	18.5	ug/Kg	93			64	136	
	Chloromethane	20	18.4	ug/Kg	92			70	130	
	Vinyl chloride	20	18.6	ug/Kg	93			72	129	
	Bromomethane	20	19.7	ug/Kg	99			58	141	
	Chloroethane	20	19.0	ug/Kg	95			69	130	
	Trichlorofluoromethane	20	19.8	ug/Kg	99			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	20.1	ug/Kg	101			79	121	
	Acetone	100	130	ug/Kg	130			60	131	
	Carbon disulfide	20	17.1	ug/Kg	86			45	154	
	Methyl tert-butyl Ether	20	24.0	ug/Kg	120			77	129	
	Methyl Acetate	20	26.2	ug/Kg	131			69	149	
	Methylene Chloride	20	23.1	ug/Kg	116			56	174	
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101			80	123	
	1,1-Dichloroethane	20	22.5	ug/Kg	113			82	123	
	Cyclohexane	20	18.9	ug/Kg	95			76	122	
	2-Butanone	100	130	ug/Kg	130			69	131	
	Carbon Tetrachloride	20	20.5	ug/Kg	103			76	129	
	cis-1,2-Dichloroethene	20	22.3	ug/Kg	112			82	123	
	Bromochloromethane	20	20.9	ug/Kg	104			80	127	
	Chloroform	20	22.7	ug/Kg	114			82	125	
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106			80	126	
	Methylcyclohexane	20	18.7	ug/Kg	94			77	123	
	Benzene	20	21.1	ug/Kg	106			84	121	
	1,2-Dichloroethane	20	22.7	ug/Kg	114			81	126	
	Trichloroethene	20	21.4	ug/Kg	107			83	122	
	1,2-Dichloropropane	20	22.7	ug/Kg	114			83	122	
	Bromodichloromethane	20	23.0	ug/Kg	115			82	123	
	4-Methyl-2-Pentanone	100	130	ug/Kg	130			70	135	
	Toluene	20	21.7	ug/Kg	109			83	122	
	t-1,3-Dichloropropene	20	22.8	ug/Kg	114			78	124	
	cis-1,3-Dichloropropene	20	22.8	ug/Kg	114			81	122	
	1,1,2-Trichloroethane	20	24.7	ug/Kg	124			82	125	
	2-Hexanone	100	130	ug/Kg	130			66	138	
	Dibromochloromethane	20	23.9	ug/Kg	119			79	125	
	1,2-Dibromoethane	20	24.0	ug/Kg	120			80	125	
	Tetrachloroethene	20	20.2	ug/Kg	101			83	125	
	Chlorobenzene	20	21.7	ug/Kg	109			84	122	
	Ethyl Benzene	20	21.2	ug/Kg	106			82	124	
	m/p-Xylenes	40	42.5	ug/Kg	106			83	124	
	o-Xylene	20	22.0	ug/Kg	110			83	123	
	Styrene	20	22.4	ug/Kg	112			82	124	
	Bromoform	20	24.5	ug/Kg	123			75	127	
	Isopropylbenzene	20	19.3	ug/Kg	97			82	124	
	1,1,2,2-Tetrachloroethane	20	22.1	ug/Kg	111			77	127	
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106			83	122	
	1,4-Dichlorobenzene	20	21.4	ug/Kg	107			84	121	
	1,2-Dichlorobenzene	20	21.5	ug/Kg	108			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5194

Client: JPCL Engineering

Analytical Method: SW8260D **Datafile :** VY020562.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1210SBS01	1,2-Dibromo-3-Chloropropane	20	21.8	ug/Kg	109			66	134	
	1,2,4-Trichlorobenzene	20	22.9	ug/Kg	115			78	127	
	1,2,3-Trichlorobenzene	20	23.7	ug/Kg	119			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5194

Client: JPCL Engineering

Analytical Method: SW8260D **Datafile :** VY020563.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1210SBSD01	Dichlorodifluoromethane	20	16.2	ug/Kg	81	14		64	136	20
	Chloromethane	20	16.2	ug/Kg	81	13		70	130	20
	Vinyl chloride	20	16.3	ug/Kg	81	14		72	129	20
	Bromomethane	20	17.6	ug/Kg	88	12		58	141	20
	Chloroethane	20	17.7	ug/Kg	89	7		69	130	20
	Trichlorofluoromethane	20	17.7	ug/Kg	89	11		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/Kg	93	11		81	123	20
	1,1-Dichloroethene	20	18.1	ug/Kg	91	10		79	121	20
	Acetone	100	110	ug/Kg	110	17		60	131	20
	Carbon disulfide	20	15.1	ug/Kg	76	12		45	154	20
	Methyl tert-butyl Ether	20	21.5	ug/Kg	108	11		77	129	20
	Methyl Acetate	20	23.5	ug/Kg	117	11		69	149	20
	Methylene Chloride	20	20.6	ug/Kg	103	12		56	174	20
	trans-1,2-Dichloroethene	20	18.6	ug/Kg	93	8		80	123	20
	1,1-Dichloroethane	20	19.6	ug/Kg	98	14		82	123	20
	Cyclohexane	20	16.9	ug/Kg	85	11		76	122	20
	2-Butanone	100	110	ug/Kg	110	17		69	131	20
	Carbon Tetrachloride	20	18.0	ug/Kg	90	13		76	129	20
	cis-1,2-Dichloroethene	20	20.1	ug/Kg	101	10		82	123	20
	Bromochloromethane	20	18.7	ug/Kg	94	10		80	127	20
	Chloroform	20	19.6	ug/Kg	98	15		82	125	20
	1,1,1-Trichloroethane	20	18.7	ug/Kg	94	12		80	126	20
	Methylcyclohexane	20	16.6	ug/Kg	83	12		77	123	20
	Benzene	20	18.8	ug/Kg	94	12		84	121	20
	1,2-Dichloroethane	20	20.0	ug/Kg	100	13		81	126	20
	Trichloroethene	20	19.2	ug/Kg	96	11		83	122	20
	1,2-Dichloropropane	20	19.4	ug/Kg	97	16		83	122	20
	Bromodichloromethane	20	20.0	ug/Kg	100	14		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	17		70	135	20
	Toluene	20	19.3	ug/Kg	97	12		83	122	20
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101	12		78	124	20
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101	12		81	122	20
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105	17		82	125	20
	2-Hexanone	100	110	ug/Kg	110	17		66	138	20
	Dibromochloromethane	20	20.8	ug/Kg	104	13		79	125	20
	1,2-Dibromoethane	20	21.5	ug/Kg	108	11		80	125	20
	Tetrachloroethene	20	18.4	ug/Kg	92	9		83	125	20
	Chlorobenzene	20	19.4	ug/Kg	97	12		84	122	20
	Ethyl Benzene	20	18.9	ug/Kg	95	11		82	124	20
	m/p-Xylenes	40	38.3	ug/Kg	96	10		83	124	20
	o-Xylene	20	19.7	ug/Kg	99	11		83	123	20
	Styrene	20	20.0	ug/Kg	100	11		82	124	20
	Bromoform	20	21.9	ug/Kg	110	11		75	127	20
	Isopropylbenzene	20	17.6	ug/Kg	88	10		82	124	20
	1,1,2,2-Tetrachloroethane	20	20.5	ug/Kg	103	7		77	127	20
	1,3-Dichlorobenzene	20	19.7	ug/Kg	99	7		83	122	20
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98	9		84	121	20
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102	6		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5194

Client: JPCL Engineering

Analytical Method: SW8260D **Datafile :** VY020563.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1210SBSD01	1,2-Dibromo-3-Chloropropane	20	21.0	ug/Kg	105	4		66	134	20
	1,2,4-Trichlorobenzene	20	21.5	ug/Kg	108	6		78	127	20
	1,2,3-Trichlorobenzene	20	22.6	ug/Kg	113	5		70	137	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1210SBL01

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P5194 SAS No.: P5194 SDG NO.: P5194

Lab File ID: VY020561.D Lab Sample ID: VY1210SBL01

Date Analyzed: 12/10/2024 Time Analyzed: 11:19

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1210SBS01	VY1210SBS01	VY020562.D	12/10/2024
VY1210SBSD01	VY1210SBSD01	VY020563.D	12/10/2024
WP-4	P5194-06	VY020574.D	12/10/2024
WP-1	P5194-03	VY020575.D	12/10/2024
WP-2	P5194-04	VY020576.D	12/10/2024
WP-3	P5194-05	VY020577.D	12/10/2024

COMMENTS:

Raw Data: **VY020471.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P5194 SAS No.: P5194 SDG NO.: P5194

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

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P5194 SAS No.: P5194 SDG NO.: P5194

Lab File ID: VY020559.D BFB Injection Date: 12/10/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:57

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	18.9
75	30.0 - 60.0% of mass 95	53.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (0.9) 1
174	50.0 - 100.0% of mass 95	79.6
175	5.0 - 9.0% of mass 174	6 (7.6) 1
176	95.0 - 101.0% of mass 174	76.5 (96.2) 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
VSTDCCC050	VSTDCCC050	VY020560.D	12/10/2024	10:42
VY1210SBL01	VY1210SBL01	VY020561.D	12/10/2024	11:19
VY1210SBS01	VY1210SBS01	VY020562.D	12/10/2024	11:54
VY1210SBSD01	VY1210SBSD01	VY020563.D	12/10/2024	12:17
WP-4	P5194-06	VY020574.D	12/10/2024	17:20
WP-1	P5194-03	VY020575.D	12/10/2024	17:43
WP-2	P5194-04	VY020576.D	12/10/2024	18:06
WP-3	P5194-05	VY020577.D	12/10/2024	18:30

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P5194 SAS No.: P5194 SDG NO.: P5194

Lab File ID: VY020560.D Date Analyzed: 12/10/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:42

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	176773	7.71	282168	8.62	241362	11.41
UPPER LIMIT	353546	8.207	564336	9.116	482724	11.914
LOWER LIMIT	88386.5	7.207	141084	8.116	120681	10.914
EPA SAMPLE NO.						
WP-1	97195	7.71	167005	8.62	147227	11.41
WP-2	154588	7.71	267938	8.61	230686	11.41
WP-3	144830	7.71	254650	8.61	223520	11.41
WP-4	151423	7.71	263038	8.61	223099	11.41
VY1210SBL01	179482	7.71	302822	8.62	250929	11.41
VY1210SBS01	155321	7.71	247103	8.61	209823	11.41
VY1210SBSD01	165679	7.71	267297	8.61	223946	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P5194 SAS No.: P5194 SDG NO.: P5194

Lab File ID: VY020560.D Date Analyzed: 12/10/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:42

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

	IS4 AREA #	RT #				
12 HOUR STD	116370	13.347				
UPPER LIMIT	232740	13.847				
LOWER LIMIT	58185	12.847				
EPA SAMPLE NO.						
WP-1	59459	13.35				
WP-2	95035	13.35				
WP-3	90631	13.35				
WP-4	90370	13.35				
VY1210SBL01	97035	13.35				
VY1210SBS01	107923	13.35				
VY1210SBSD01	111842	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: **VY020575.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-1	SDG No.:	P5194
Lab Sample ID:	P5194-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.67 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
VY020575.D	1		12/10/24 17:43	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.50	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.85	U	0.85	5.50	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.86	U	0.86	5.50	ug/Kg
67-64-1	Acetone	6.90	U	6.90	27.5	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.50	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.50	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	11.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.92	U	0.92	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	5.50	ug/Kg
110-82-7	Cyclohexane	0.76	U	0.76	5.50	ug/Kg
78-93-3	2-Butanone	6.20	U	6.20	27.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.96	U	0.96	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.67	U	0.67	5.50	ug/Kg
74-97-5	Bromochloromethane	2.70	U	2.70	5.50	ug/Kg
67-66-3	Chloroform	0.74	U	0.74	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.86	U	0.86	5.50	ug/Kg
108-87-2	Methylcyclohexane	0.96	U	0.96	5.50	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.67	U	0.67	5.50	ug/Kg
79-01-6	Trichloroethene	0.82	U	0.82	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.80	U	4.80	27.5	ug/Kg
108-88-3	Toluene	0.74	U	0.74	5.50	ug/Kg

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-1	SDG No.:	P5194
Lab Sample ID:	P5194-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.67 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
VY020575.D	1		12/10/24 17:43	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.66	U	0.66	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.50	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	27.5	ug/Kg
124-48-1	Dibromochloromethane	0.71	U	0.71	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.87	U	0.87	5.50	ug/Kg
127-18-4	Tetrachloroethene	0.98	U	0.98	5.50	ug/Kg
108-90-7	Chlorobenzene	0.81	U	0.81	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.50	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	11.0	ug/Kg
95-47-6	o-Xylene	0.77	U	0.77	5.50	ug/Kg
100-42-5	Styrene	0.66	U	0.66	5.50	ug/Kg
75-25-2	Bromoform	0.89	U	0.89	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.81	U	0.81	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.88	U	0.88	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.65	U	0.65	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.87	U	0.87	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.86	U	0.86	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.3		50 - 163	127%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		54 - 147	106%	SPK: 50
2037-26-5	Toluene-d8	50.8		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		29 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	97200	7.707			
540-36-3	1,4-Difluorobenzene	167000	8.615			
3114-55-4	Chlorobenzene-d5	147000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	59500	13.346			

Raw Data: **VY020575.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-1	SDG No.:	P5194
Lab Sample ID:	P5194-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.67 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
VY020575.D	1		12/10/24 17:43	VY121024

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: **VY020575.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020575.D
Acq On : 10 Dec 2024 17:43
Operator : SY/MD
Sample : P5194-03
Misc : 4.67g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-1

Quant Time: Dec 11 00:52:44 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	7.707	168	97195	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.615	114	167005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	147227	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	59459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	62596	63.325	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.640%			
35) Dibromofluoromethane	7.634	113	55516	52.803	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.600%			
50) Toluene-d8	10.103	98	203365	50.797	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.600%			
62) 4-Bromofluorobenzene	12.401	95	64510	46.072	ug/l	-0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.140%			
Target Compounds						Qvalue

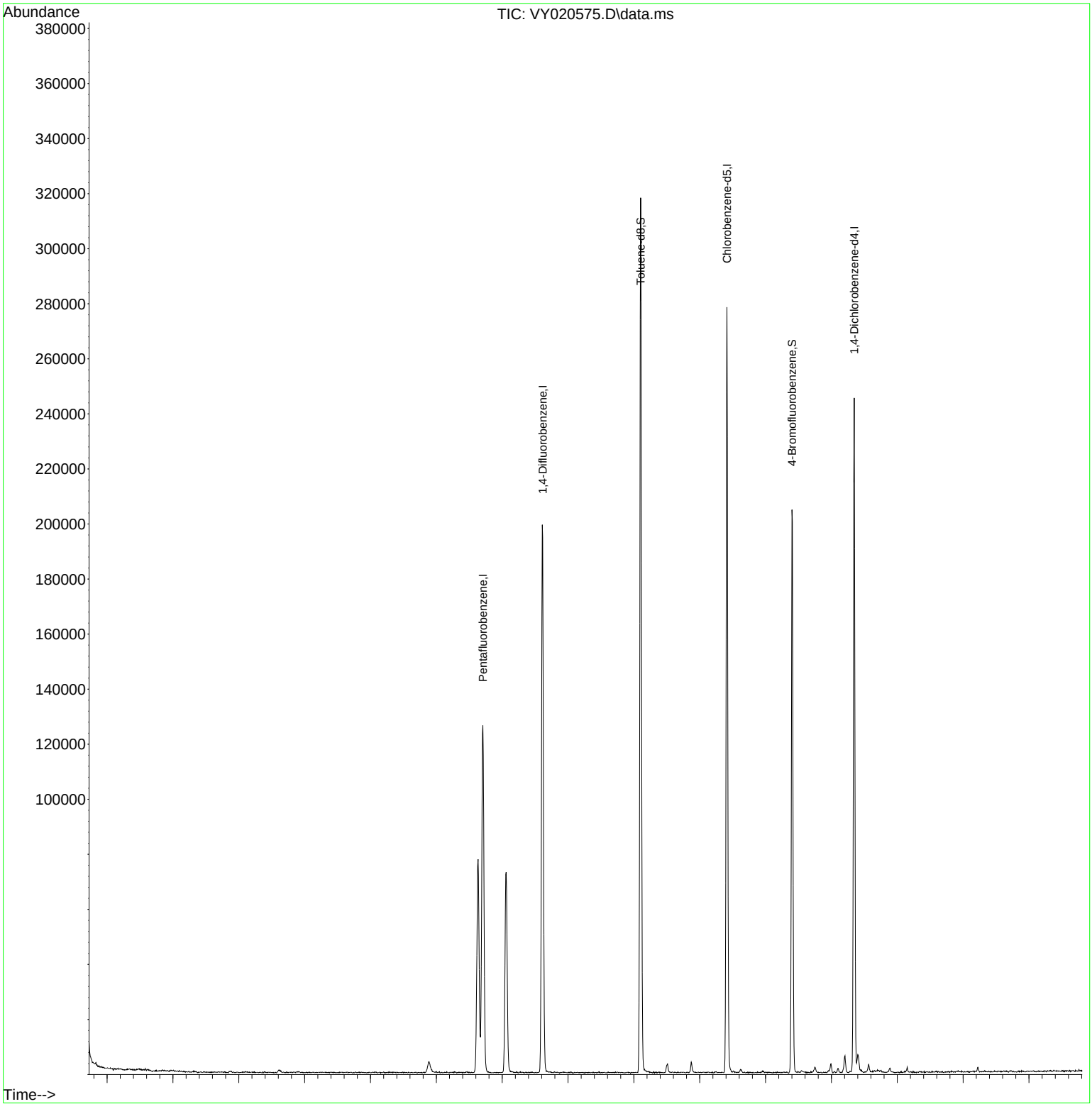
(#) = qualifier out of range (m) = manual integration (+) = signals summed

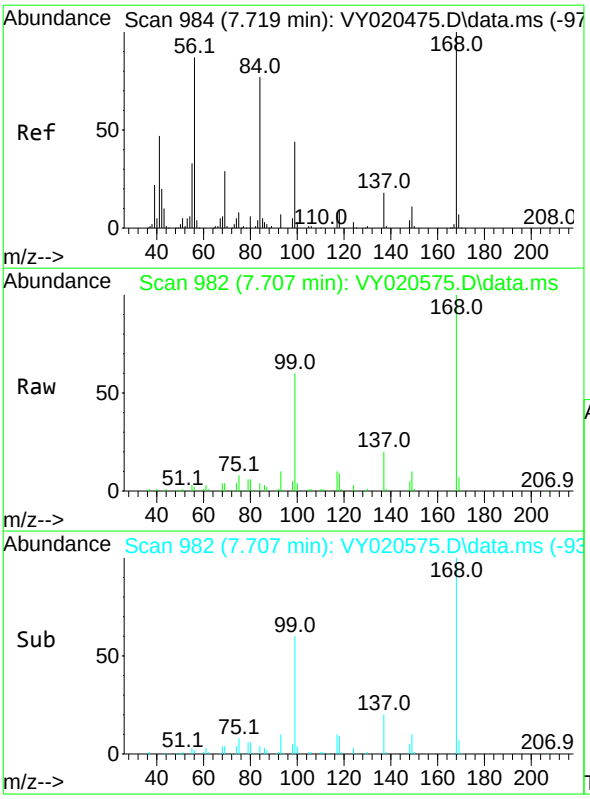
Sample Results: **VY020575.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020575.D
Acq On : 10 Dec 2024 17:43
Operator : SY/MD
Sample : P5194-03
Misc : 4.67g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-1

Quant Time: Dec 11 00:52:44 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



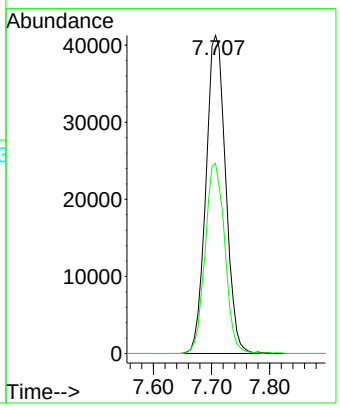


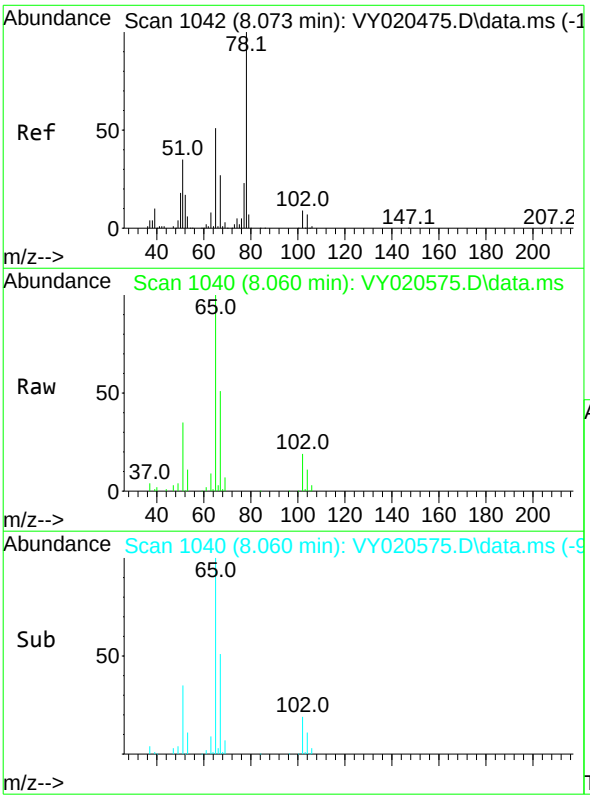
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020575.D
Acq: 10 Dec 2024 17:43

Instrument :
MSVOA_Y
ClientSampleId :
WP-1

Tgt Ion:168 Resp: 97195

Ion	Ratio	Lower	Upper
168	100		
99	59.8	46.6	69.8

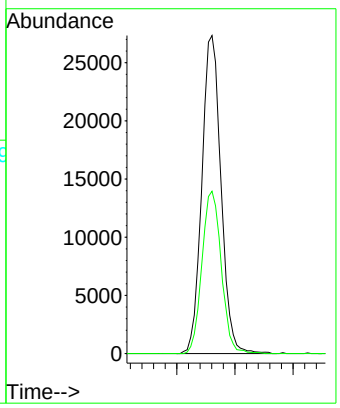


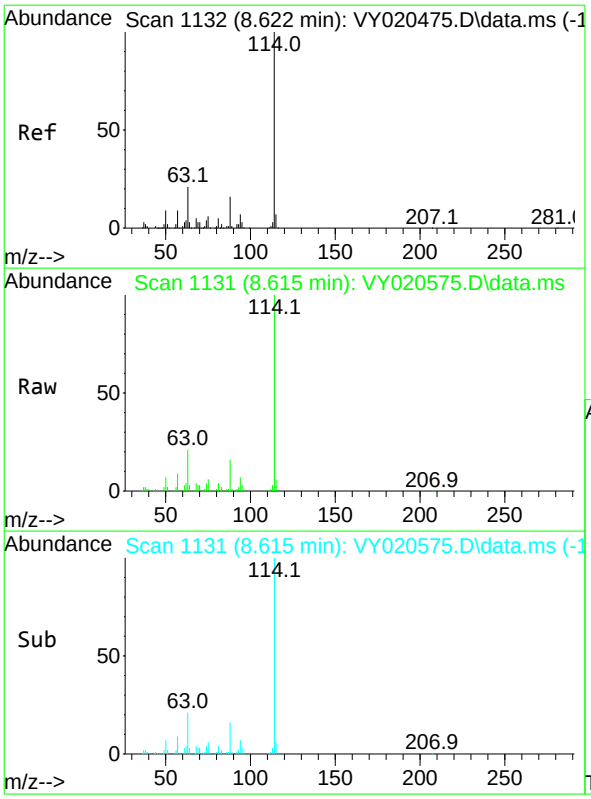


#33
1,2-Dichloroethane-d4
Concen: 63.325 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.013 min
Lab File: VY020575.D
Acq: 10 Dec 2024 17:43

Tgt Ion: 65 Resp: 62596

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	105.8



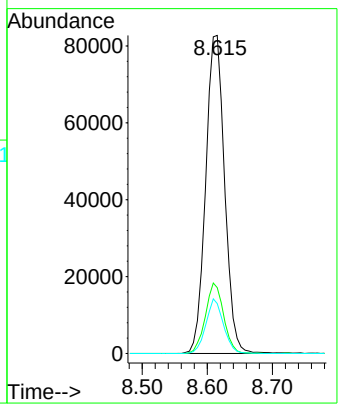


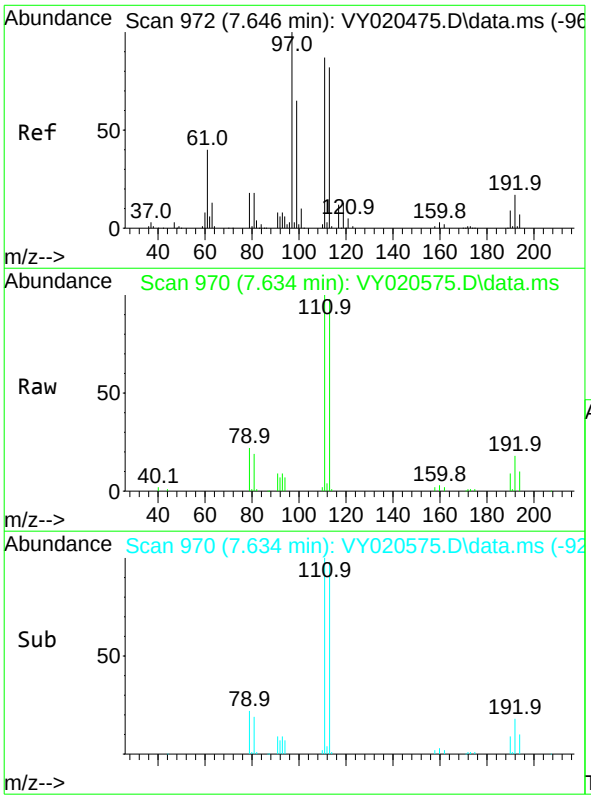
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020575.D
Acq: 10 Dec 2024 17:43

Instrument :
MSVOA_Y
ClientSampleId :
WP-1

Tgt Ion:114 Resp: 167005

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	44.8
88	15.7	0.0	32.0

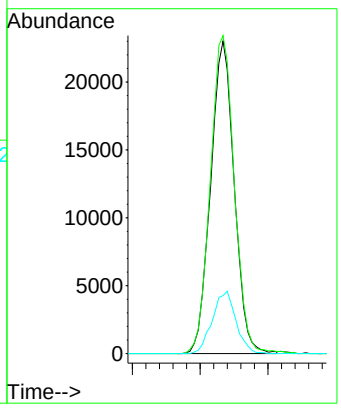


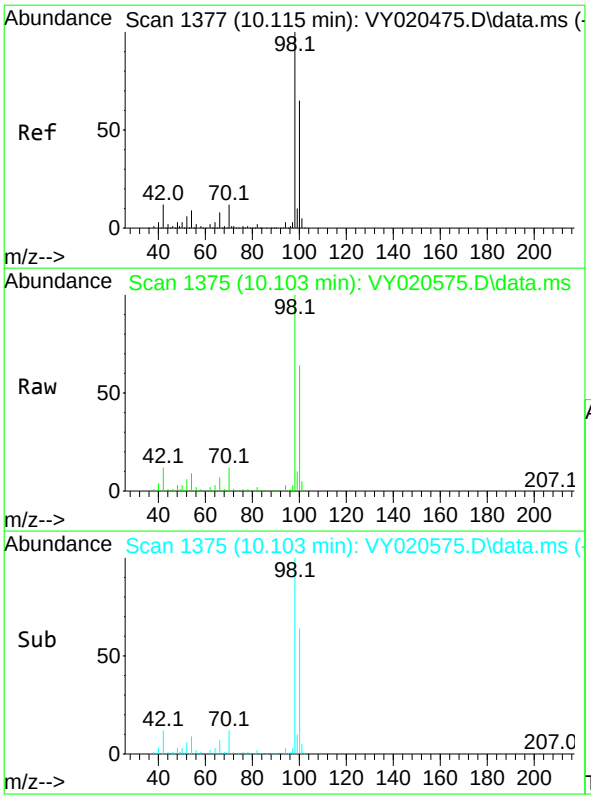


#35
Dibromofluoromethane
Concen: 52.803 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.013 min
Lab File: VY020575.D
Acq: 10 Dec 2024 17:43

Tgt Ion:113 Resp: 55516

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.0
192	20.0	15.1	22.7



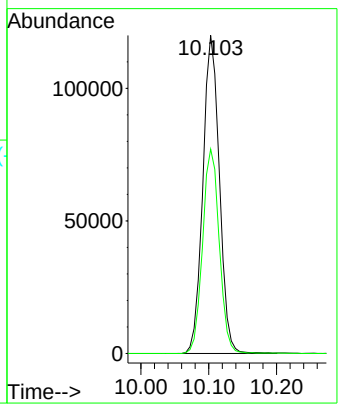


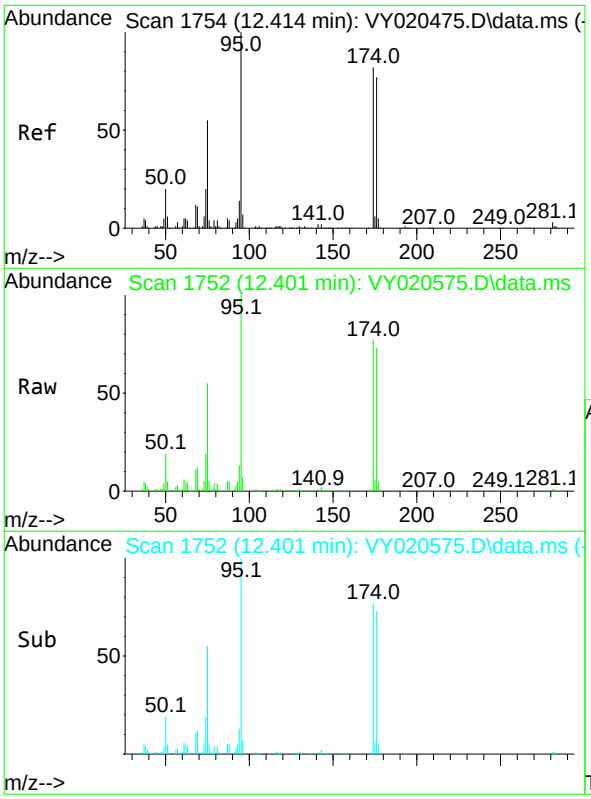
#50
Toluene-d8
Concen: 50.797 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.013 min
Lab File: VY020575.D
Acq: 10 Dec 2024 17:43

Instrument :
MSVOA_Y
ClientSampleId :
WP-1

Tgt Ion: 98 Resp: 203365

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.3	76.9

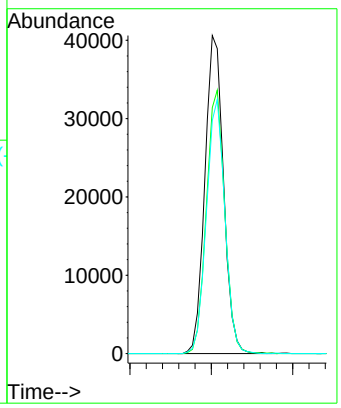


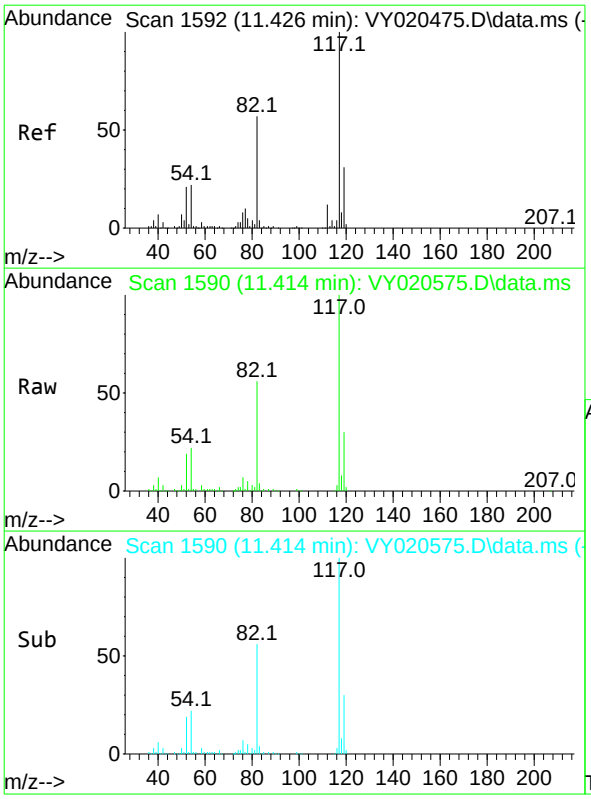


#62
4-Bromofluorobenzene
Concen: 46.072 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.013 min
Lab File: VY020575.D
Acq: 10 Dec 2024 17:43

Tgt Ion: 95 Resp: 64510

Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	156.8
176	79.1	0.0	152.0



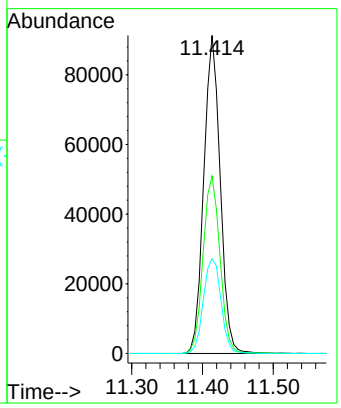


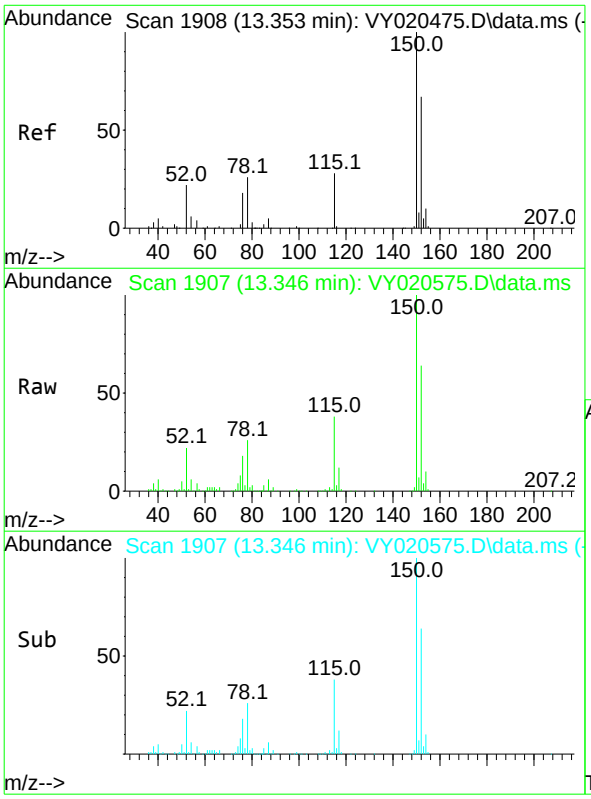
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.013 min
Lab File: VY020575.D
Acq: 10 Dec 2024 17:43

Instrument :
MSVOA_Y
ClientSampleId :
WP-1

Tgt Ion:117 Resp: 147227

Ion	Ratio	Lower	Upper
117	100		
82	55.8	48.2	72.4
119	29.8	25.8	38.8

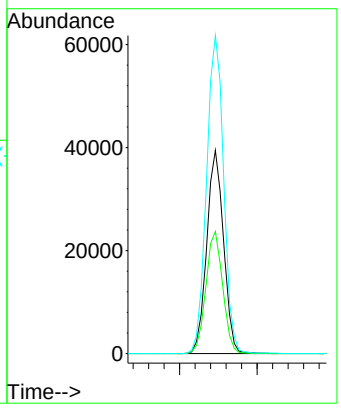




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY020575.D
Acq: 10 Dec 2024 17:43

Tgt Ion:152 Resp: 59459

Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.0	90.0
150	159.0	0.0	348.2



Sample Results: **VY020575.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020575.D
Acq On : 10 Dec 2024 17:43
Operator : SY/MD
Sample : P5194-03
Misc : 4.67g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-1

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: VY020575.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	837	848	856	rBV	4061	12760	2.35%	0.453%
2	7.634	958	970	976	rBV2	77511	190548	35.09%	6.759%
3	7.707	976	982	993	rVB	125719	292675	53.89%	10.381%
4	8.060	1030	1040	1052	rBV	72790	169175	31.15%	6.001%
5	8.609	1121	1130	1140	rBV	198961	397713	73.23%	14.107%
6	10.103	1368	1375	1388	rBV	317823	543068	100.00%	19.263%
7	10.511	1435	1442	1446	rBV2	3153	6050	1.11%	0.215%
8	10.871	1495	1501	1511	rBV3	3901	6556	1.21%	0.233%
9	11.414	1582	1590	1603	rBV	278094	462155	85.10%	16.393%
10	12.401	1744	1752	1765	rBV	204701	336246	61.92%	11.927%
11	12.993	1838	1849	1854	rVB2	3337	6797	1.25%	0.241%
12	13.206	1876	1884	1892	rBV2	6165	11129	2.05%	0.395%
13	13.346	1899	1907	1913	rBV	244816	373742	68.82%	13.257%
14	13.401	1913	1916	1922	rVB3	5660	10602	1.95%	0.376%

Sum of corrected areas: 2819216

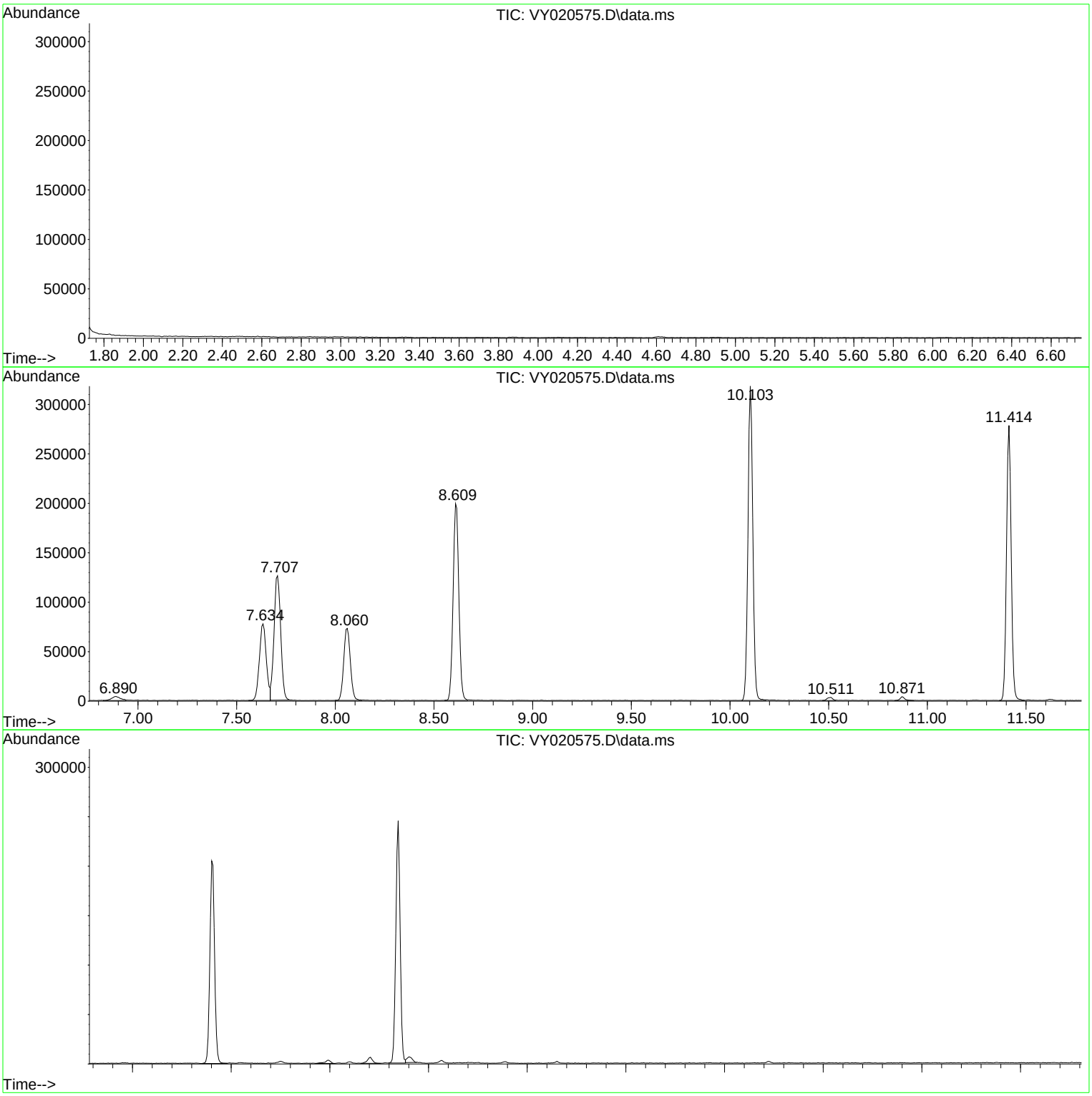
Sample Results: **VY020575.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020575.D
Acq On : 10 Dec 2024 17:43
Operator : SY/MD
Sample : P5194-03
Misc : 4.67g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-1

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: **VY020575.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020575.D
Acq On : 10 Dec 2024 17:43
Operator : SY/MD
Sample : P5194-03
Misc : 4.67g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-1

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\VY121024\
Data File : VY020575.D
Acq On : 10 Dec 2024 17:43
Operator : SY/MD
Sample : P5194-03
Misc : 4.67g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-1

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: **VY020576.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-2	SDG No.:	P5194
Lab Sample ID:	P5194-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020576.D	1		12/10/24 18:06	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.90	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	5.90	ug/Kg
75-01-4	Vinyl Chloride	0.91	U	0.91	5.90	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.90	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	5.90	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	5.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	5.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.92	U	0.92	5.90	ug/Kg
67-64-1	Acetone	17.3	J	7.40	29.5	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	5.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.79	U	0.79	5.90	ug/Kg
79-20-9	Methyl Acetate	2.10	U	2.10	5.90	ug/Kg
75-09-2	Methylene Chloride	4.00	U	4.00	11.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.99	U	0.99	5.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.74	U	0.74	5.90	ug/Kg
110-82-7	Cyclohexane	0.81	U	0.81	5.90	ug/Kg
78-93-3	2-Butanone	6.70	U	6.70	29.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.72	U	0.72	5.90	ug/Kg
74-97-5	Bromochloromethane	2.90	U	2.90	5.90	ug/Kg
67-66-3	Chloroform	0.79	U	0.79	5.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.92	U	0.92	5.90	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.90	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	5.90	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	5.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.78	U	0.78	5.90	ug/Kg
75-27-4	Bromodichloromethane	0.66	U	0.66	5.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.10	U	5.10	29.5	ug/Kg
108-88-3	Toluene	0.79	U	0.79	5.90	ug/Kg

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-2	SDG No.:	P5194
Lab Sample ID:	P5194-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020576.D	1		12/10/24 18:06	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.71	U	0.71	5.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.99	U	0.99	5.90	ug/Kg
591-78-6	2-Hexanone	5.60	U	5.60	29.5	ug/Kg
124-48-1	Dibromochloromethane	0.77	U	0.77	5.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.93	U	0.93	5.90	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.90	ug/Kg
108-90-7	Chlorobenzene	0.87	U	0.87	5.90	ug/Kg
100-41-4	Ethyl Benzene	0.73	U	0.73	5.90	ug/Kg
179601-23-1	m/p-Xylenes	1.60	U	1.60	11.8	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.90	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.90	ug/Kg
75-25-2	Bromoform	0.95	U	0.95	5.90	ug/Kg
98-82-8	Isopropylbenzene	0.79	U	0.79	5.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.87	U	0.87	5.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.94	U	0.94	5.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.70	U	0.70	5.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.93	U	0.93	5.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.92	U	0.92	5.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.3		50 - 163	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		54 - 147	101%	SPK: 50
2037-26-5	Toluene-d8	50.8		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		29 - 146	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	155000	7.707			
540-36-3	1,4-Difluorobenzene	268000	8.61			
3114-55-4	Chlorobenzene-d5	231000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	95000	13.347			

Raw Data: **VY020576.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-2	SDG No.:	P5194
Lab Sample ID:	P5194-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020576.D	1		12/10/24 18:06	VY121024

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\VY121024\
Data File : VY020576.D
Acq On : 10 Dec 2024 18:06
Operator : SY/MD
Sample : P5194-04
Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-2

Quant Time: Dec 11 00:53:04 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

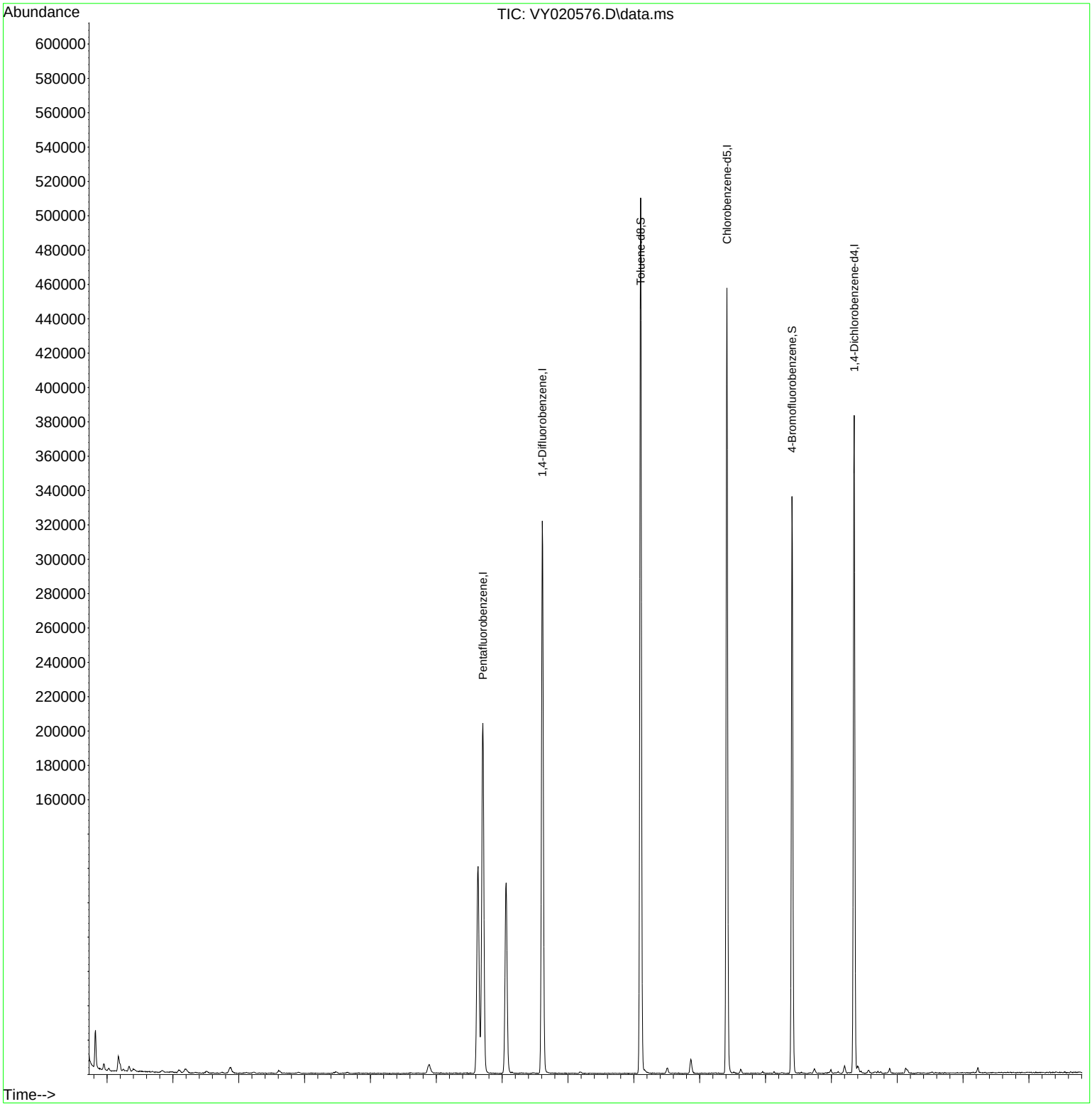
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	154588	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	267938	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	230686	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	95035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	90041	57.271	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.540%			
35) Dibromofluoromethane	7.634	113	85553	50.719	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.440%			
50) Toluene-d8	10.103	98	325971	50.750	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.500%			
62) 4-Bromofluorobenzene	12.402	95	101435	45.154	ug/l	-0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 90.300%			
Target Compounds						Qvalue
16) Acetone	3.867	43	5731	14.660	ug/l	99

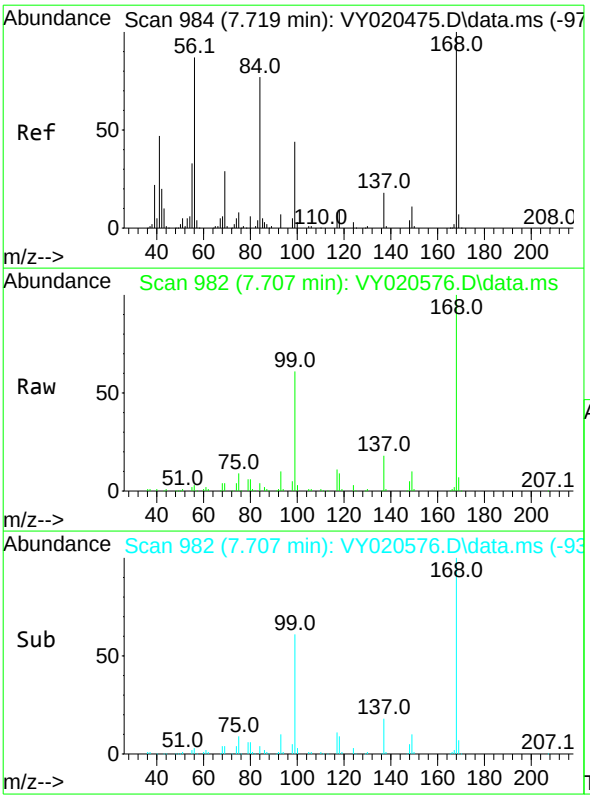
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020576.D
Acq On : 10 Dec 2024 18:06
Operator : SY/MD
Sample : P5194-04
Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-2

Quant Time: Dec 11 00:53:04 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



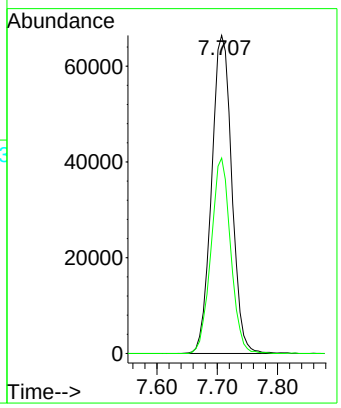


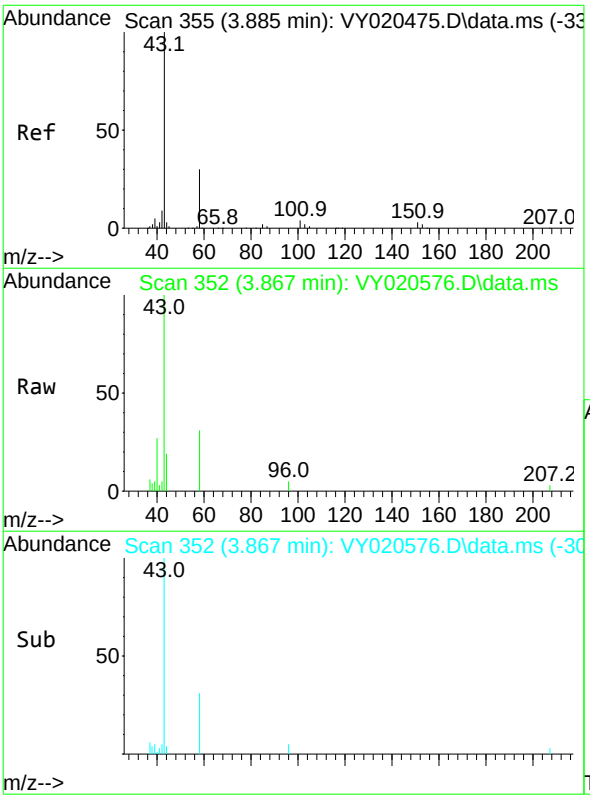
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020576.D
Acq: 10 Dec 2024 18:06

Instrument :
MSVOA_Y
ClientSampleId :
WP-2

Tgt Ion:168 Resp: 154588

Ion	Ratio	Lower	Upper
168	100		
99	61.4	46.6	69.8

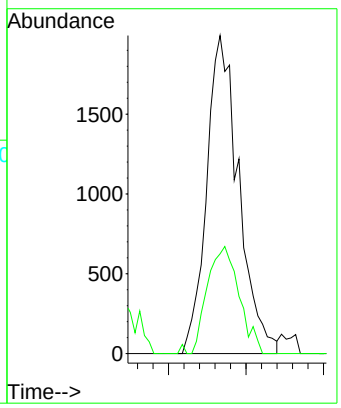


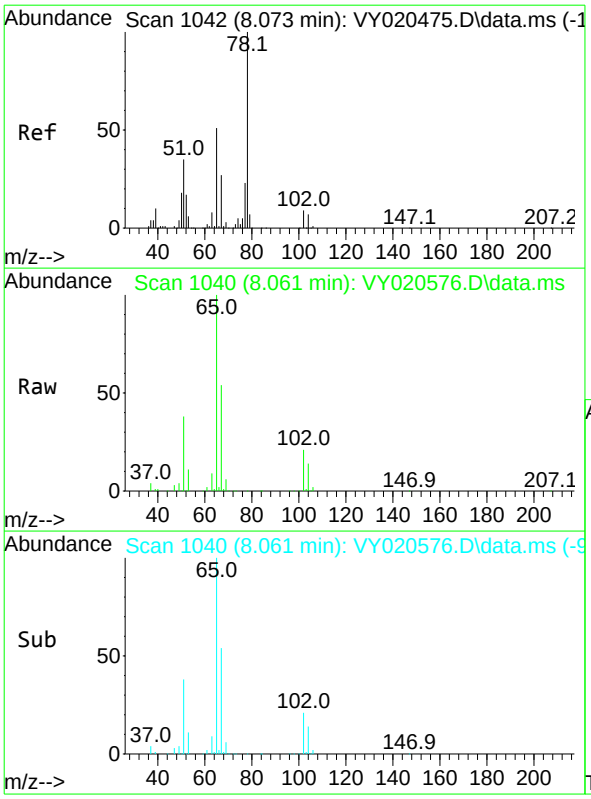


#16
Acetone
Concen: 14.660 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.018 min
Lab File: VY020576.D
Acq: 10 Dec 2024 18:06

Tgt Ion: 43 Resp: 5731

Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.7	38.5



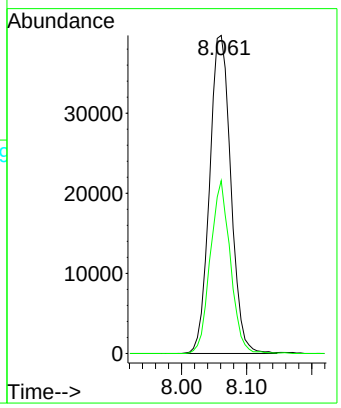


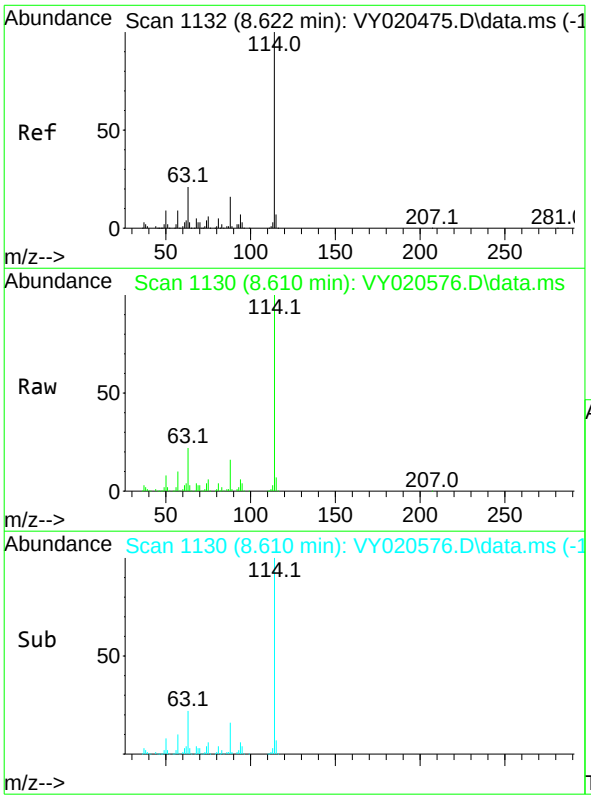
#33
1,2-Dichloroethane-d4
Concen: 57.271 ug/l
RT: 8.061 min Scan# 10
Delta R.T. -0.012 min
Lab File: VY020576.D
Acq: 10 Dec 2024 18:06

Instrument :
MSVOA_Y
ClientSampleId :
WP-2

Tgt Ion: 65 Resp: 90041

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	105.8

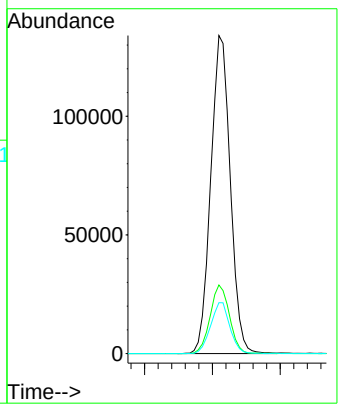


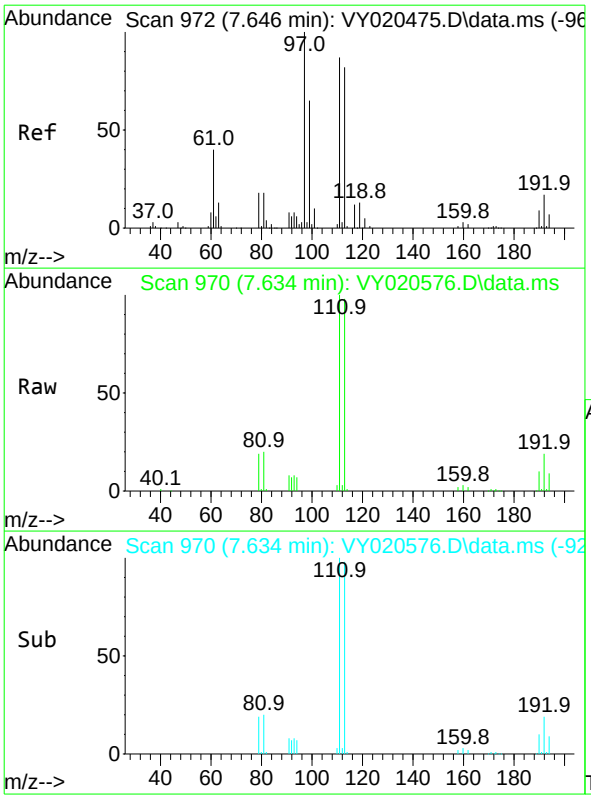


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.012 min
Lab File: VY020576.D
Acq: 10 Dec 2024 18:06

Tgt Ion:114 Resp: 267938

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.8
88	16.0	0.0	32.0



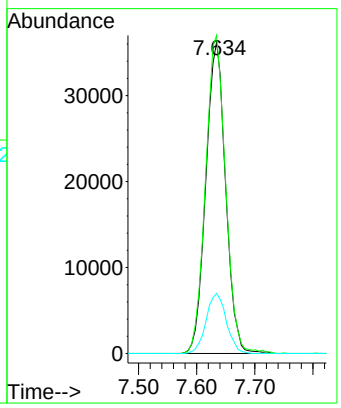


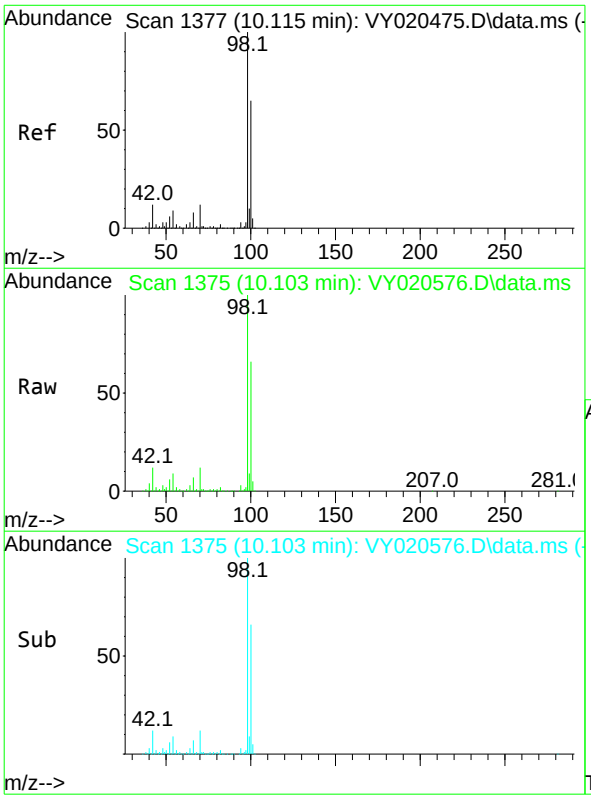
#35
Dibromofluoromethane
Concen: 50.719 ug/l
RT: 7.634 min Scan# 97
Delta R.T. -0.012 min
Lab File: VY020576.D
Acq: 10 Dec 2024 18:06

Instrument :
MSVOA_Y
ClientSampleId :
WP-2

Tgt Ion:113 Resp: 85553

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.4	122.0
192	19.7	15.1	22.7

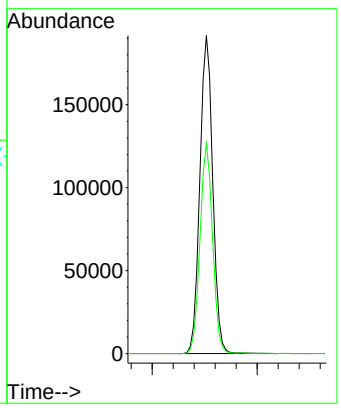


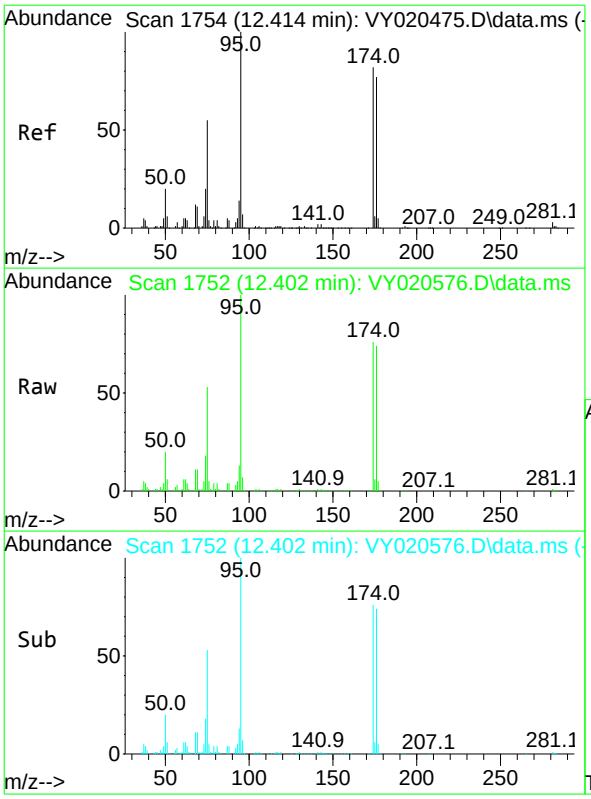


#50
Toluene-d8
Concen: 50.750 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.012 min
Lab File: VY020576.D
Acq: 10 Dec 2024 18:06

Tgt Ion: 98 Resp: 325971

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.3	76.9



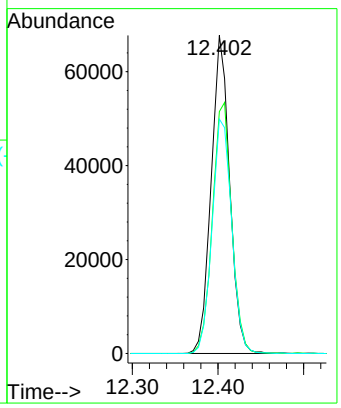


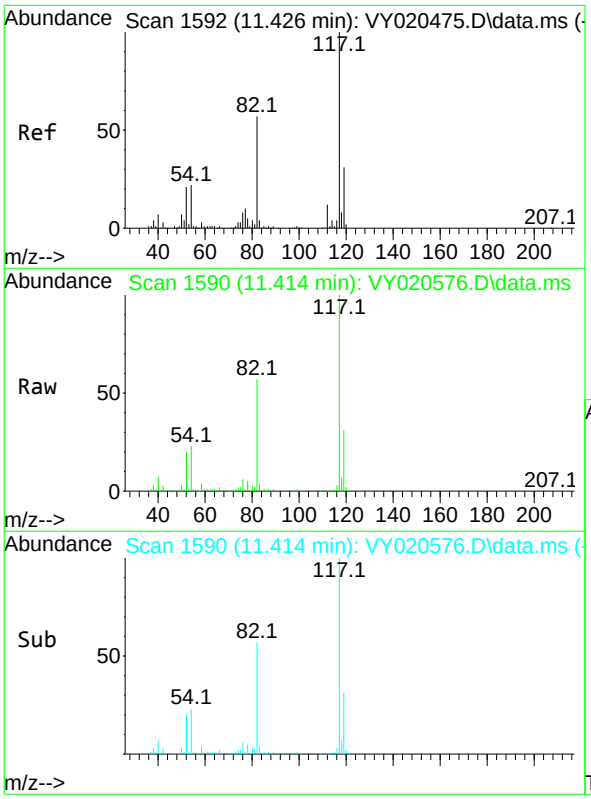
#62
4-Bromofluorobenzene
Concen: 45.154 ug/l
RT: 12.402 min Scan# 17
Delta R.T. -0.012 min
Lab File: VY020576.D
Acq: 10 Dec 2024 18:06

Instrument :
MSVOA_Y
ClientSampleId :
WP-2

Tgt Ion: 95 Resp: 101435

Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	156.8
176	78.3	0.0	152.0

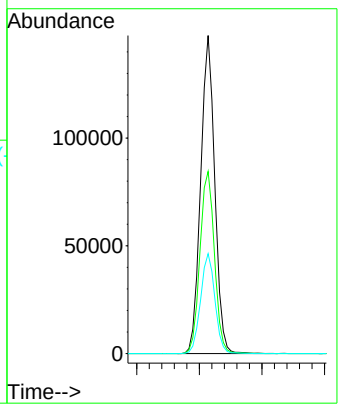


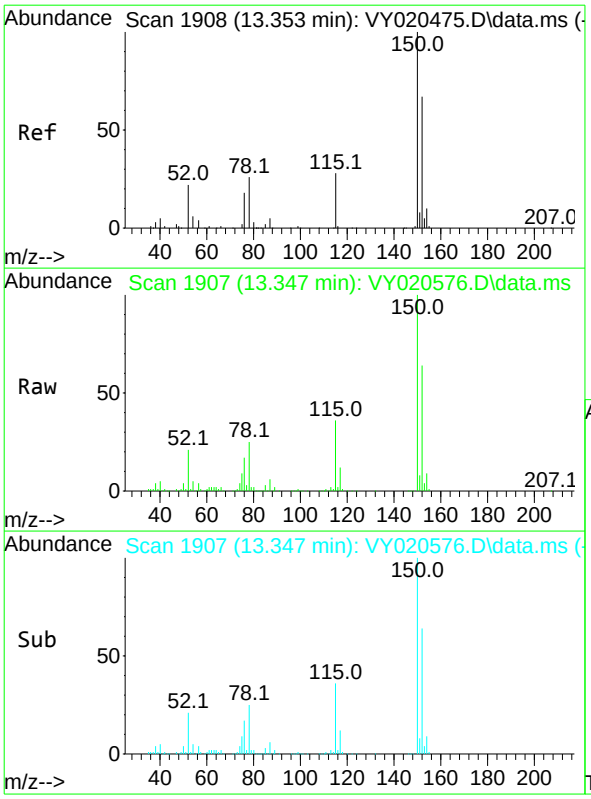


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.012 min
Lab File: VY020576.D
Acq: 10 Dec 2024 18:06

Tgt Ion:117 Resp: 230686

Ion	Ratio	Lower	Upper
117	100		
82	57.3	48.2	72.4
119	31.4	25.8	38.8



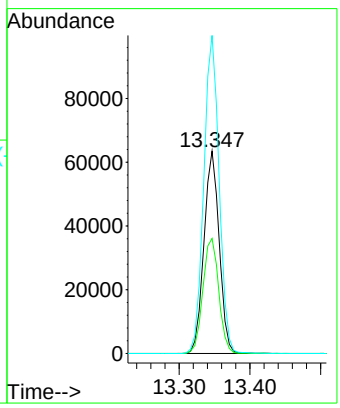


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020576.D
Acq: 10 Dec 2024 18:06

Instrument :
MSVOA_Y
ClientSampleId :
WP-2

Tgt Ion:152 Resp: 95035

Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.0	90.0
150	157.7	0.0	348.2



Sample Results: **VY020576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020576.D
Acq On : 10 Dec 2024 18:06
Operator : SY/MD
Sample : P5194-04
Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-2

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

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

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

Signal : TIC: VY020576.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	12	17	25	rVB	22242	31891	3.68%	0.716%
2	2.172	69	74	83	rBV3	8734	19050	2.20%	0.428%
3	3.879	345	354	358	rBV3	3255	8857	1.02%	0.199%
4	6.890	838	848	856	rBV3	5022	15190	1.75%	0.341%
5	7.634	958	970	975	rBV	120500	286907	33.08%	6.440%
6	7.707	975	982	999	rVB	203713	473852	54.63%	10.636%
7	8.061	1030	1040	1051	rBV	110912	248195	28.62%	5.571%
8	8.610	1120	1130	1141	rBV	321790	638247	73.59%	14.325%
9	10.103	1367	1375	1384	rBV	509757	867306	100.00%	19.467%
10	10.865	1491	1500	1511	rBV4	8319	17390	2.01%	0.390%
11	11.414	1583	1590	1602	rBV	457216	733095	84.53%	16.454%
12	12.402	1745	1752	1763	rBV	335912	526847	60.75%	11.825%
13	13.347	1900	1907	1913	rBV	382704	588534	67.86%	13.210%

Sum of corrected areas: 4455361

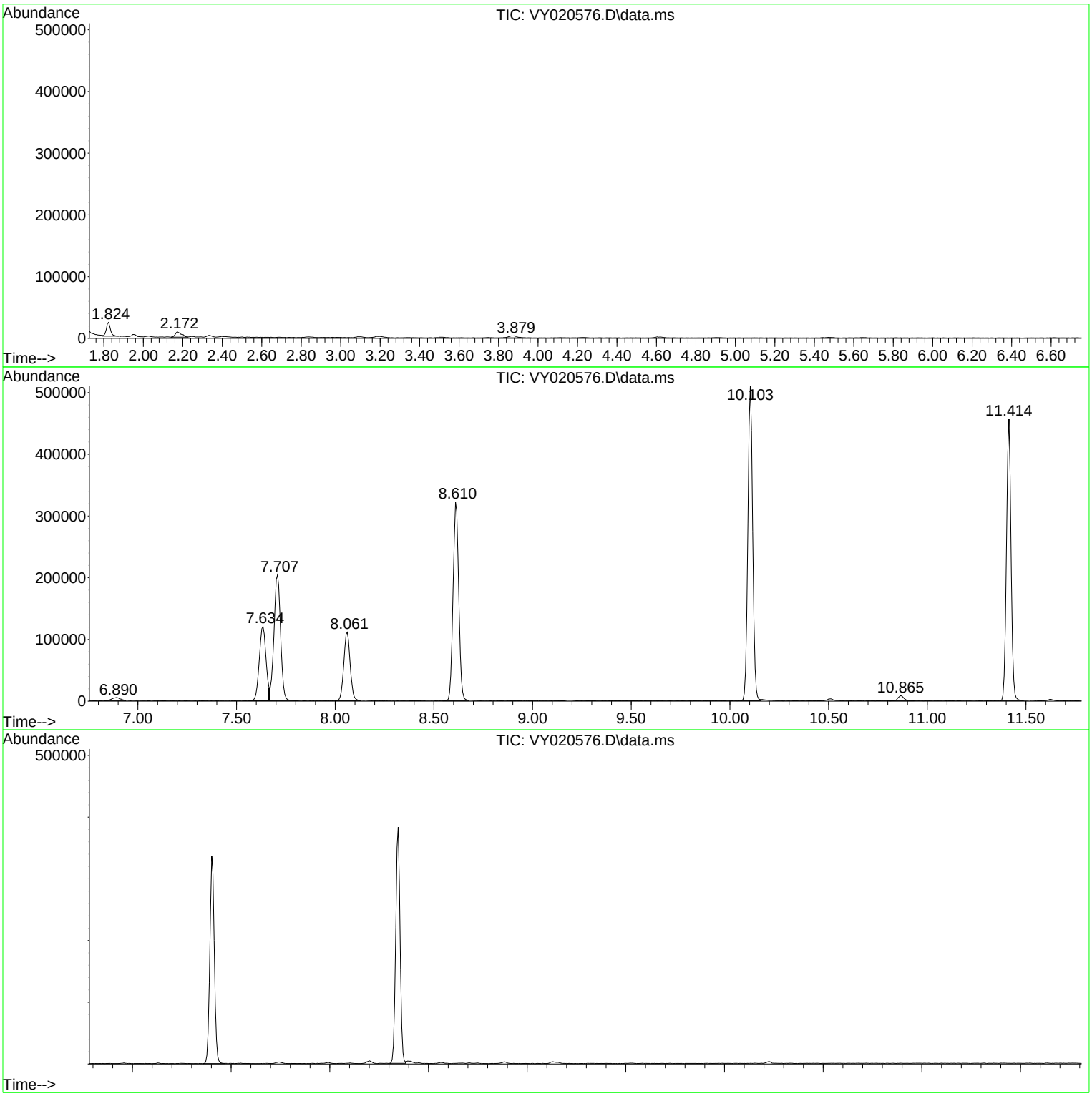
Sample Results: **VY020576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020576.D
Acq On : 10 Dec 2024 18:06
Operator : SY/MD
Sample : P5194-04
Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-2

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: **VY020576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020576.D
Acq On : 10 Dec 2024 18:06
Operator : SY/MD
Sample : P5194-04
Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-2

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\VY121024\
Data File : VY020576.D
Acq On : 10 Dec 2024 18:06
Operator : SY/MD
Sample : P5194-04
Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-2

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

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-3	SDG No.:	P5194
Lab Sample ID:	P5194-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89
Sample Wt/Vol:	5.05 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
VY020577.D	1		12/10/24 18:30	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.60	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.60	ug/Kg
75-01-4	Vinyl Chloride	0.86	U	0.86	5.60	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.60	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.60	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.87	U	0.87	5.60	ug/Kg
67-64-1	Acetone	6.90	U	6.90	27.8	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.75	U	0.75	5.60	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.60	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	11.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.93	U	0.93	5.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.70	U	0.70	5.60	ug/Kg
110-82-7	Cyclohexane	0.77	U	0.77	5.60	ug/Kg
78-93-3	2-Butanone	6.30	U	6.30	27.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	5.60	ug/Kg
74-97-5	Bromochloromethane	2.70	U	2.70	5.60	ug/Kg
67-66-3	Chloroform	0.75	U	0.75	5.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	5.60	ug/Kg
108-87-2	Methylcyclohexane	0.97	U	0.97	5.60	ug/Kg
71-43-2	Benzene	0.80	U	0.80	5.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	5.60	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	5.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	5.60	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	5.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.80	U	4.80	27.8	ug/Kg
108-88-3	Toluene	0.75	U	0.75	5.60	ug/Kg

Raw Data: **VY020577.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-3	SDG No.:	P5194
Lab Sample ID:	P5194-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89
Sample Wt/Vol:	5.05 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
VY020577.D	1		12/10/24 18:30	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.67	U	0.67	5.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.93	U	0.93	5.60	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	27.8	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	5.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.60	ug/Kg
127-18-4	Tetrachloroethene	0.99	U	0.99	5.60	ug/Kg
108-90-7	Chlorobenzene	0.82	U	0.82	5.60	ug/Kg
100-41-4	Ethyl Benzene	0.69	U	0.69	5.60	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	11.1	ug/Kg
95-47-6	o-Xylene	0.78	U	0.78	5.60	ug/Kg
100-42-5	Styrene	0.67	U	0.67	5.60	ug/Kg
75-25-2	Bromoform	0.90	U	0.90	5.60	ug/Kg
98-82-8	Isopropylbenzene	0.75	U	0.75	5.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	5.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.89	U	0.89	5.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.66	U	0.66	5.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.88	U	0.88	5.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.87	U	0.87	5.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.5		50 - 163	119%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		54 - 147	103%	SPK: 50
2037-26-5	Toluene-d8	50.7		58 - 134	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		29 - 146	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	145000	7.707			
540-36-3	1,4-Difluorobenzene	255000	8.61			
3114-55-4	Chlorobenzene-d5	224000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	90600	13.347			

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-3	SDG No.:	P5194
Lab Sample ID:	P5194-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89
Sample Wt/Vol:	5.05 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
VY020577.D	1		12/10/24 18:30	VY121024

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\VY121024\
Data File : VY020577.D
Acq On : 10 Dec 2024 18:30
Operator : SY/MD
Sample : P5194-05
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-3

Quant Time: Dec 11 00:53:26 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	7.707	168	144830	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	254650	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	223520	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	90631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87593	59.468	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.940%			
35) Dibromofluoromethane	7.634	113	82543	51.488	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.980%			
50) Toluene-d8	10.103	98	309468	50.695	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.400%			
62) 4-Bromofluorobenzene	12.402	95	96448	45.174	ug/l	-0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 90.340%			
Target Compounds						Qvalue

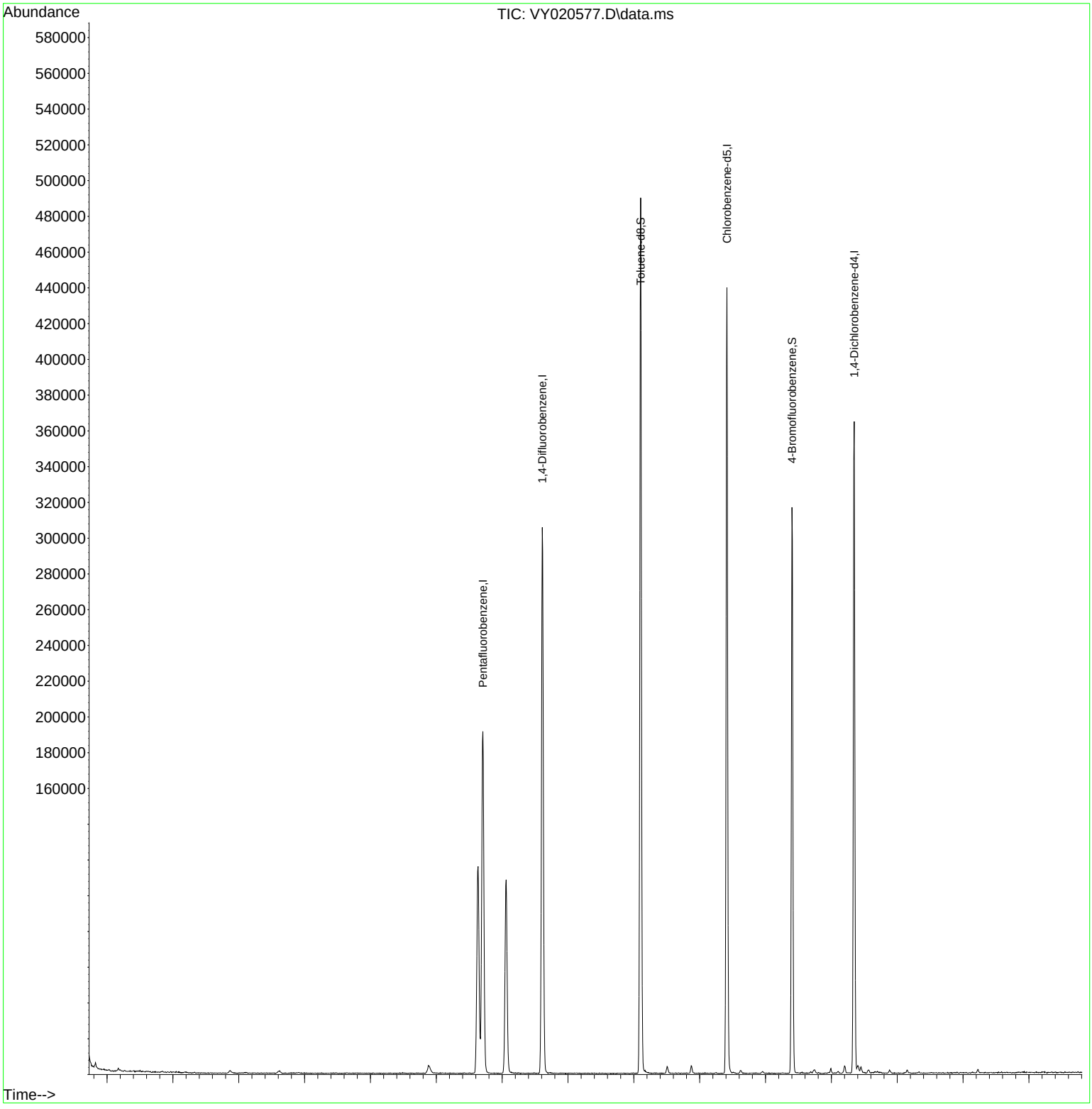
(#) = qualifier out of range (m) = manual integration (+) = signals summed

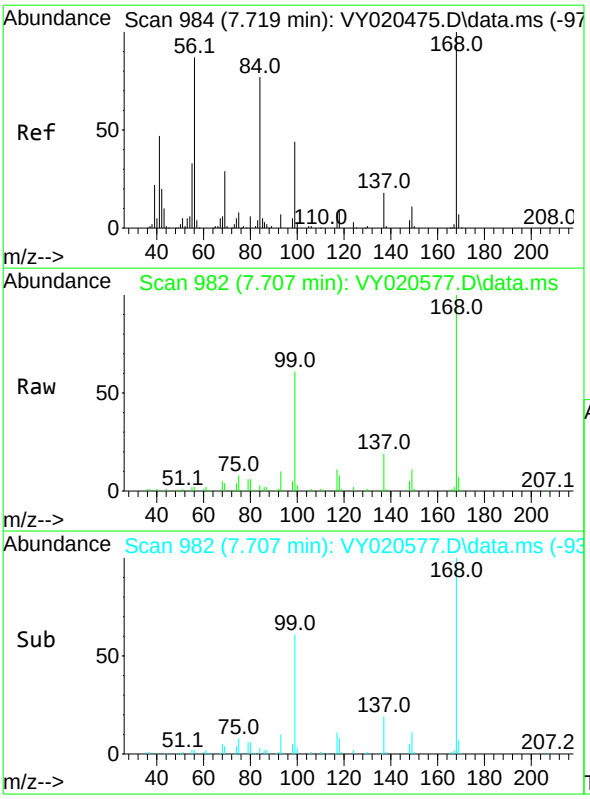
Sample Results: **VY020577.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020577.D
Acq On : 10 Dec 2024 18:30
Operator : SY/MD
Sample : P5194-05
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-3

Quant Time: Dec 11 00:53:26 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



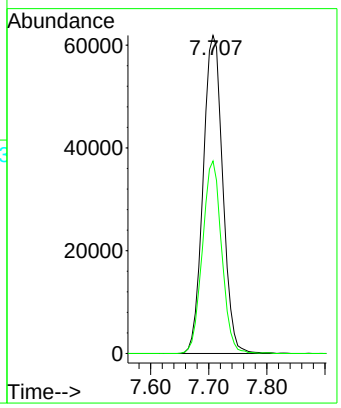


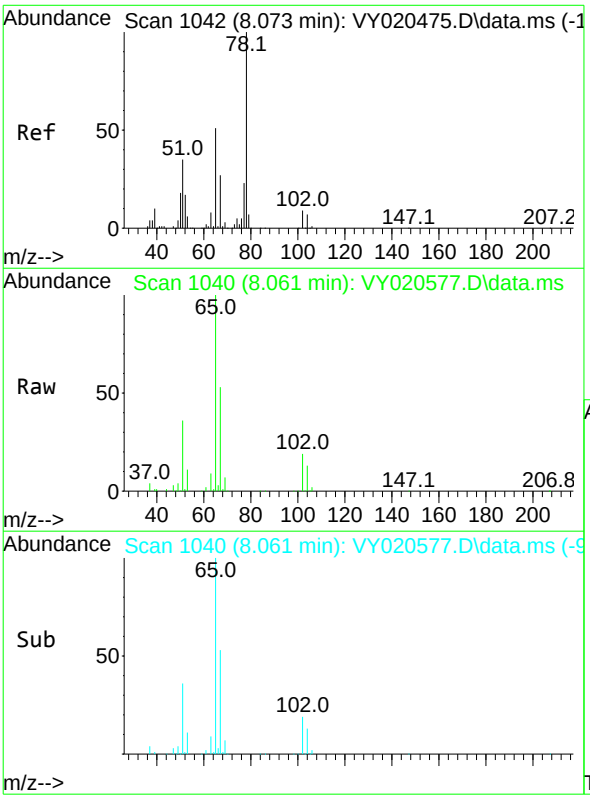
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020577.D
Acq: 10 Dec 2024 18:30

Instrument :
MSVOA_Y
ClientSampleId :
WP-3

Tgt Ion:168 Resp: 144830

Ion	Ratio	Lower	Upper
168	100		
99	60.5	46.6	69.8

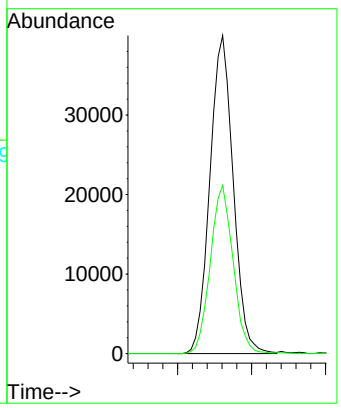


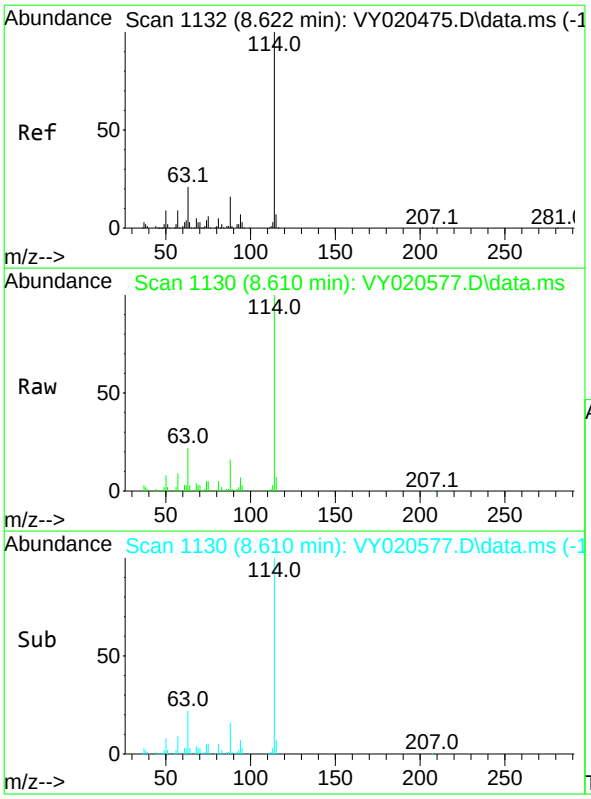


#33
1,2-Dichloroethane-d4
Concen: 59.468 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020577.D
Acq: 10 Dec 2024 18:30

Tgt Ion: 65 Resp: 87593

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.8



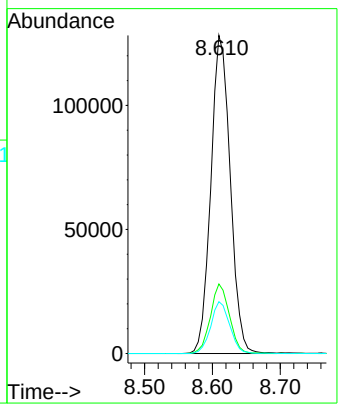


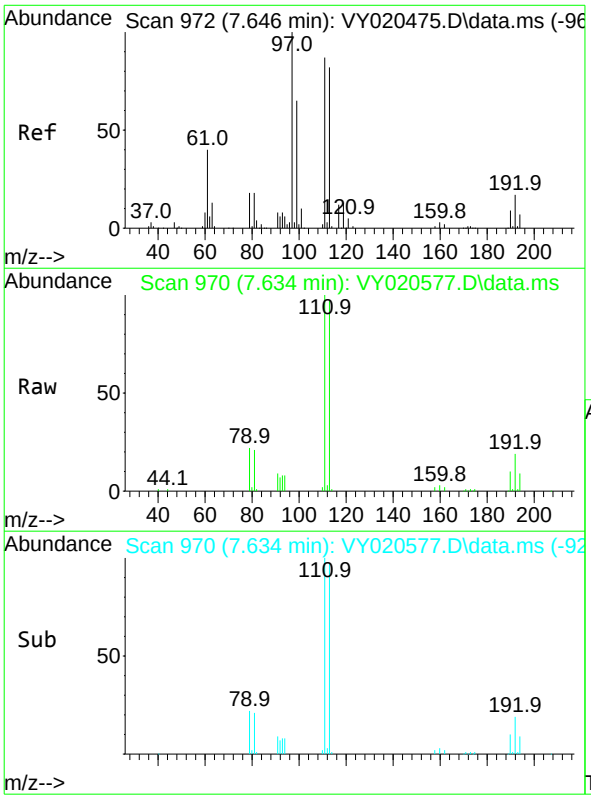
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY020577.D
Acq: 10 Dec 2024 18:30

Instrument :
MSVOA_Y
ClientSampleId :
WP-3

Tgt Ion:114 Resp: 254650

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.8
88	16.3	0.0	32.0

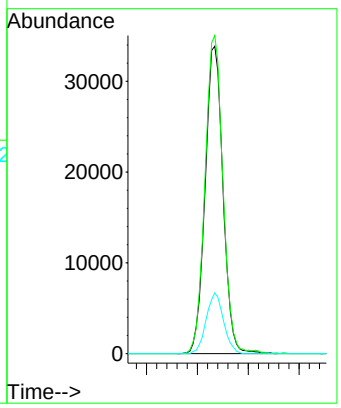


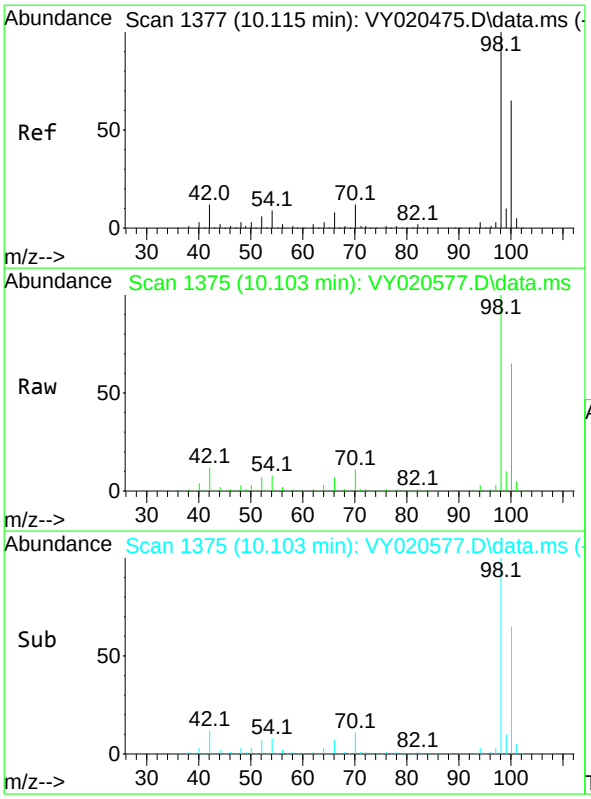


#35
Dibromofluoromethane
Concen: 51.488 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.012 min
Lab File: VY020577.D
Acq: 10 Dec 2024 18:30

Tgt Ion:113 Resp: 82543

Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.4	122.0
192	19.2	15.1	22.7



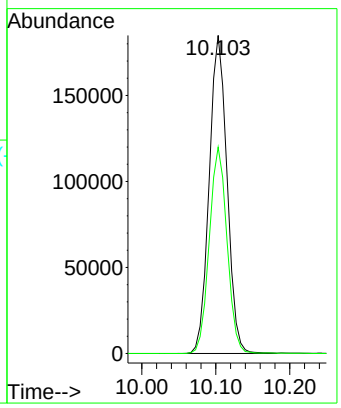


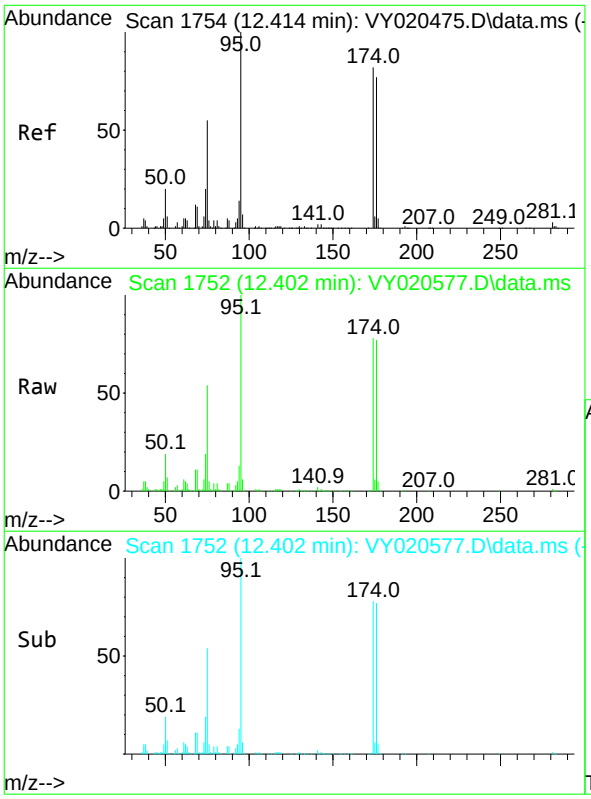
#50
Toluene-d8
Concen: 50.695 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.012 min
Lab File: VY020577.D
Acq: 10 Dec 2024 18:30

Instrument :
MSVOA_Y
ClientSampleId :
WP-3

Tgt Ion: 98 Resp: 309468

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.3	76.9

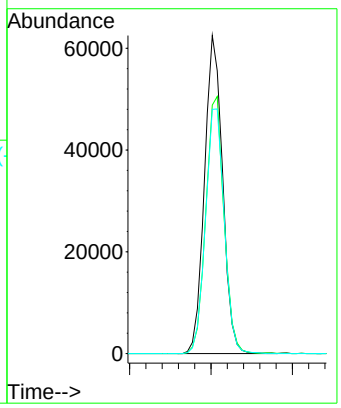


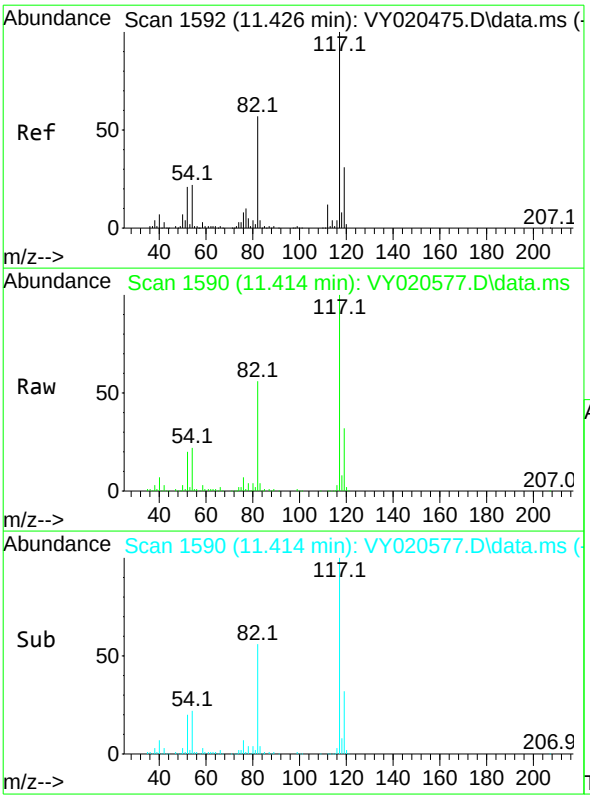


#62
4-Bromofluorobenzene
Concen: 45.174 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.012 min
Lab File: VY020577.D
Acq: 10 Dec 2024 18:30

Tgt Ion: 95 Resp: 96448

Ion	Ratio	Lower	Upper
95	100		
174	81.2	0.0	156.8
176	79.9	0.0	152.0



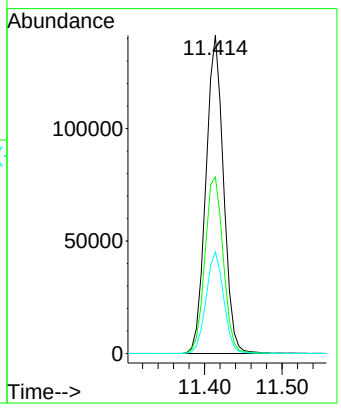


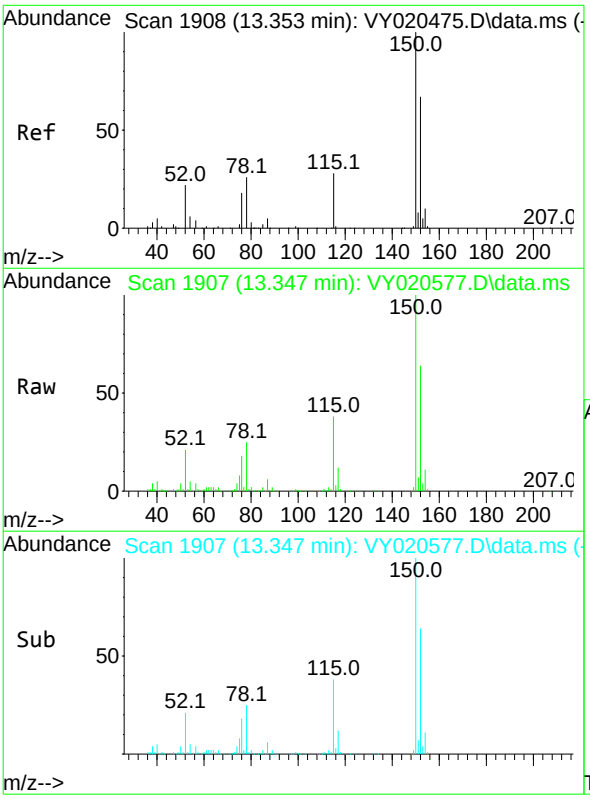
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.012 min
Lab File: VY020577.D
Acq: 10 Dec 2024 18:30

Instrument :
MSVOA_Y
ClientSampleId :
WP-3

Tgt Ion:117 Resp: 223520

Ion	Ratio	Lower	Upper
117	100		
82	55.5	48.2	72.4
119	31.9	25.8	38.8

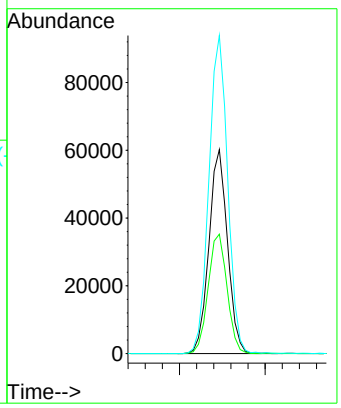




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY020577.D
Acq: 10 Dec 2024 18:30

Tgt Ion:152 Resp: 90631

Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.0	90.0
150	157.4	0.0	348.2



Sample Results: **VY020577.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020577.D
Acq On : 10 Dec 2024 18:30
Operator : SY/MD
Sample : P5194-05
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-3

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

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

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

Signal : TIC: VY020577.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.878	839	846	859	rBV2	4423	13992	1.70%	0.334%
2	7.634	957	970	976	rBV	115680	281618	34.17%	6.731%
3	7.707	976	982	996	rVB	191088	439905	53.38%	10.515%
4	8.061	1029	1040	1052	rBV	108329	242400	29.41%	5.794%
5	8.610	1121	1130	1144	rBV	305502	607739	73.74%	14.527%
6	10.103	1367	1375	1385	rBV	489683	824116	100.00%	19.699%
7	11.414	1582	1590	1602	rBV	439491	707343	85.83%	16.908%
8	12.402	1744	1752	1764	rBV	316579	501024	60.80%	11.976%
9	13.347	1898	1907	1913	rBV	364505	565461	68.61%	13.516%

Sum of corrected areas: 4183598

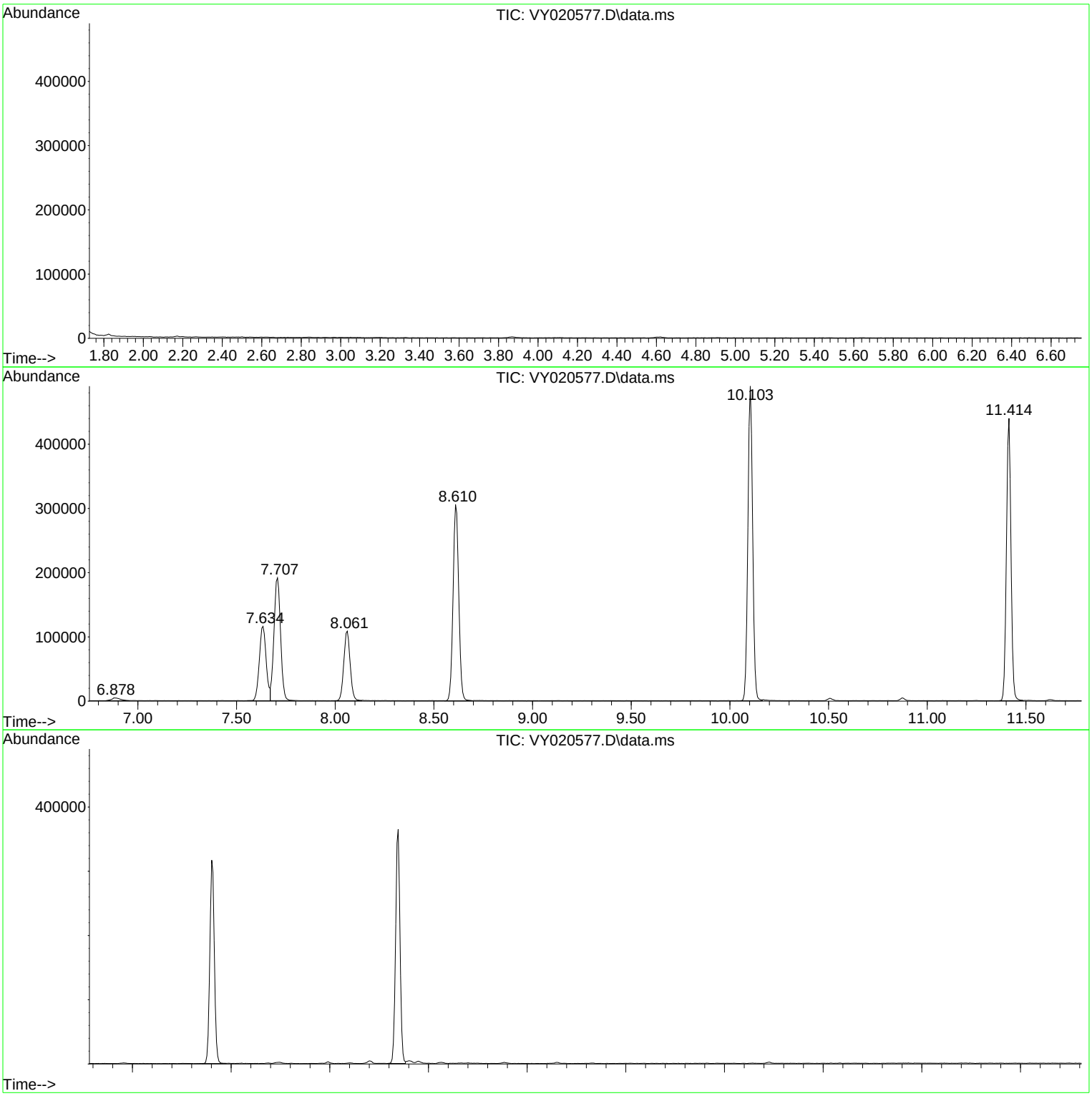
Sample Results: **VY020577.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020577.D
Acq On : 10 Dec 2024 18:30
Operator : SY/MD
Sample : P5194-05
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-3

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: **VY020577.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020577.D
Acq On : 10 Dec 2024 18:30
Operator : SY/MD
Sample : P5194-05
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-3

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\VY121024\
Data File : VY020577.D
Acq On : 10 Dec 2024 18:30
Operator : SY/MD
Sample : P5194-05
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-3

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: **VY020574.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-4	SDG No.:	P5194
Lab Sample ID:	P5194-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.51 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
VY020574.D	1		12/10/24 17:20	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.70	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.70	ug/Kg
75-01-4	Vinyl Chloride	0.88	U	0.88	5.70	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.70	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.89	U	0.89	5.70	ug/Kg
67-64-1	Acetone	7.10	U	7.10	28.5	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	5.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.76	U	0.76	5.70	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.70	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.96	U	0.96	5.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.72	U	0.72	5.70	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.70	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	28.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	5.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.69	U	0.69	5.70	ug/Kg
74-97-5	Bromochloromethane	2.80	U	2.80	5.70	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	5.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.89	U	0.89	5.70	ug/Kg
108-87-2	Methylcyclohexane	0.99	U	0.99	5.70	ug/Kg
71-43-2	Benzene	0.82	U	0.82	5.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.69	U	0.69	5.70	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	5.70	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	5.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.00	U	5.00	28.5	ug/Kg
108-88-3	Toluene	0.76	U	0.76	5.70	ug/Kg

Raw Data: **VY020574.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-4	SDG No.:	P5194
Lab Sample ID:	P5194-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.51 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
VY020574.D	1		12/10/24 17:20	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.68	U	0.68	5.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.65	U	0.65	5.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.96	U	0.96	5.70	ug/Kg
591-78-6	2-Hexanone	5.50	U	5.50	28.5	ug/Kg
124-48-1	Dibromochloromethane	0.74	U	0.74	5.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.90	U	0.90	5.70	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.70	ug/Kg
108-90-7	Chlorobenzene	0.84	U	0.84	5.70	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.70	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	11.4	ug/Kg
95-47-6	o-Xylene	0.80	U	0.80	5.70	ug/Kg
100-42-5	Styrene	0.68	U	0.68	5.70	ug/Kg
75-25-2	Bromoform	0.92	U	0.92	5.70	ug/Kg
98-82-8	Isopropylbenzene	0.76	U	0.76	5.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.84	U	0.84	5.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.91	U	0.91	5.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.90	U	0.90	5.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.89	U	0.89	5.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.8		50 - 163	112%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		54 - 147	102%	SPK: 50
2037-26-5	Toluene-d8	49.8		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		29 - 146	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	151000	7.707			
540-36-3	1,4-Difluorobenzene	263000	8.61			
3114-55-4	Chlorobenzene-d5	223000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	90400	13.347			

Raw Data: **VY020574.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-4	SDG No.:	P5194
Lab Sample ID:	P5194-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.51 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
VY020574.D	1		12/10/24 17:20	VY121024

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: **VY020574.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020574.D
Acq On : 10 Dec 2024 17:20
Operator : SY/MD
Sample : P5194-06
Misc : 4.51g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-4

Quant Time: Dec 11 00:52:22 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	7.707	168	151423	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	263038	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	223099	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	90370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85874	55.762	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.520%			
35) Dibromofluoromethane	7.634	113	84129	50.804	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.600%			
50) Toluene-d8	10.103	98	314056	49.806	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.620%			
62) 4-Bromofluorobenzene	12.402	95	96656	43.828	ug/l	-0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 87.660%			
Target Compounds						Qvalue

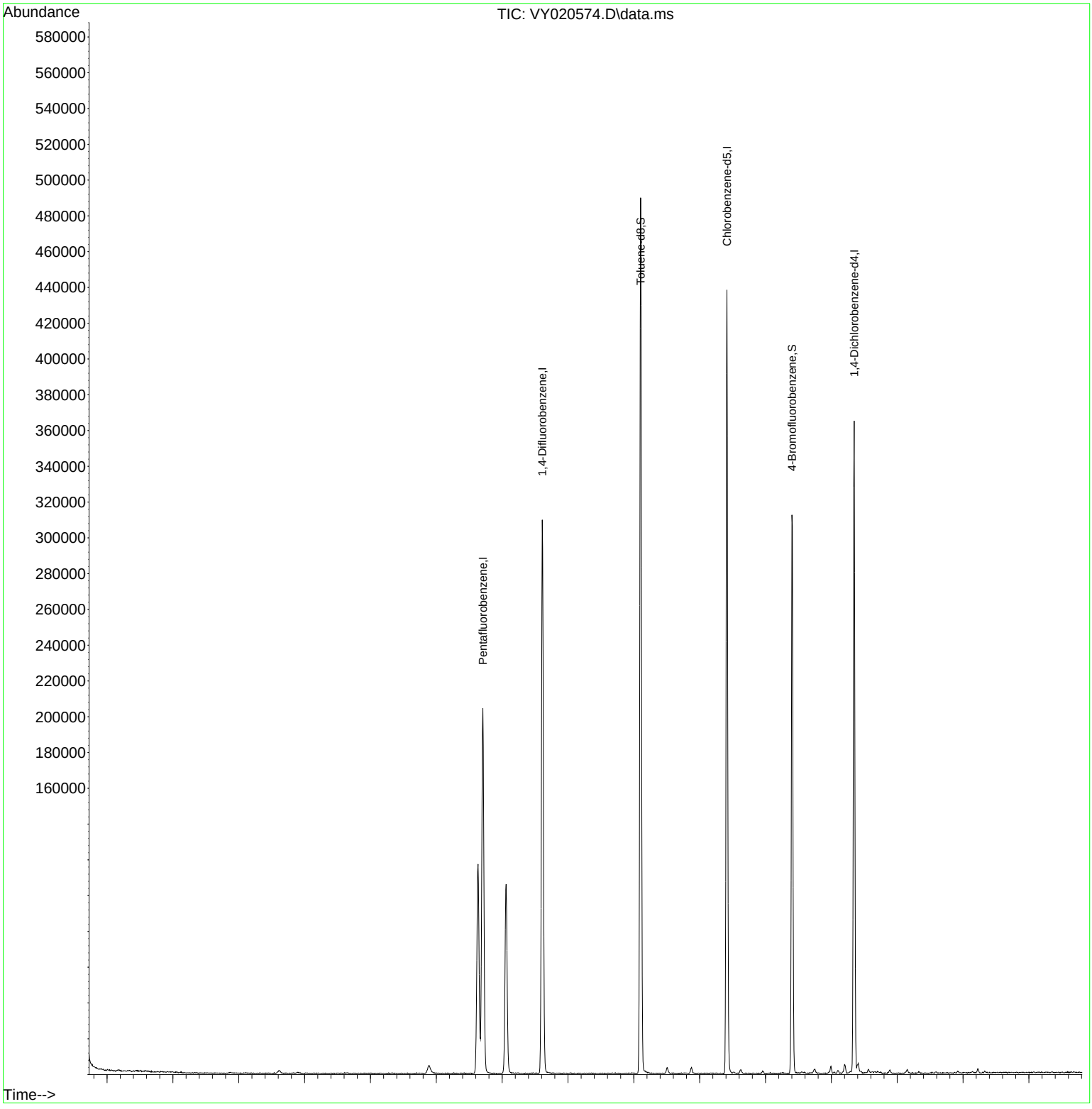
(#) = qualifier out of range (m) = manual integration (+) = signals summed

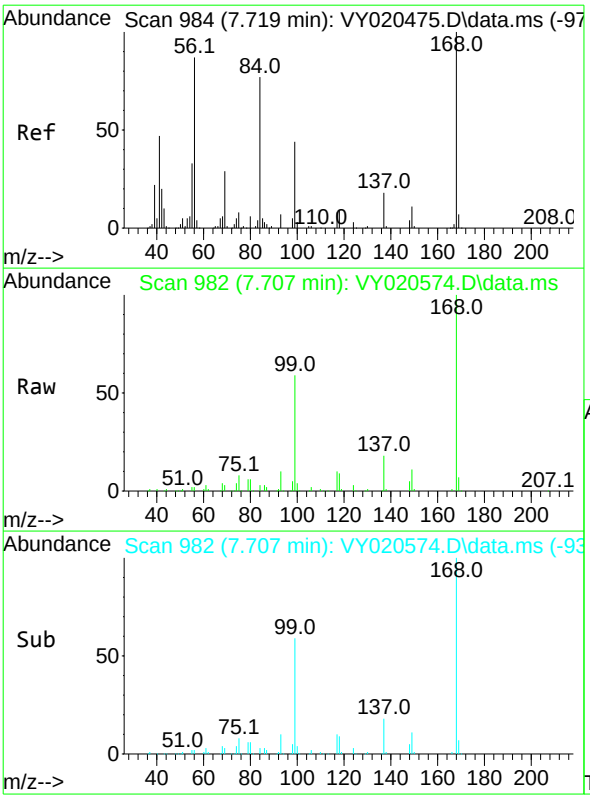
Sample Results: **VY020574.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020574.D
Acq On : 10 Dec 2024 17:20
Operator : SY/MD
Sample : P5194-06
Misc : 4.51g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-4

Quant Time: Dec 11 00:52:22 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



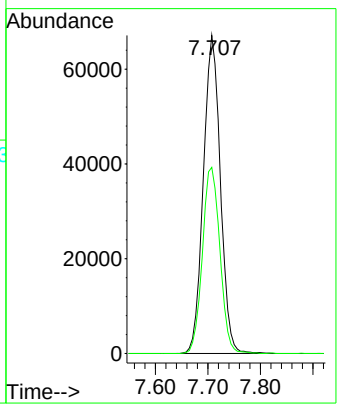


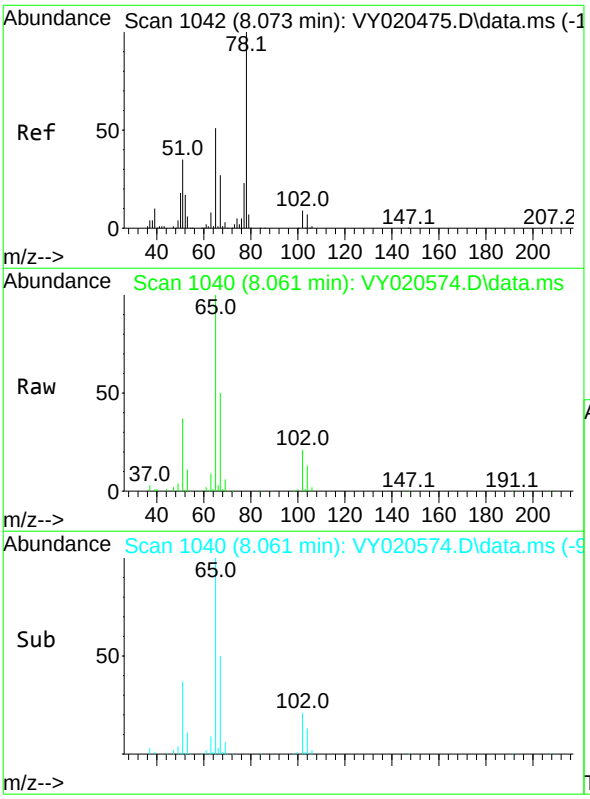
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020574.D
Acq: 10 Dec 2024 17:20

Instrument :
MSVOA_Y
ClientSampleId :
WP-4

Tgt Ion:168 Resp: 151423

Ion	Ratio	Lower	Upper
168	100		
99	58.5	46.6	69.8

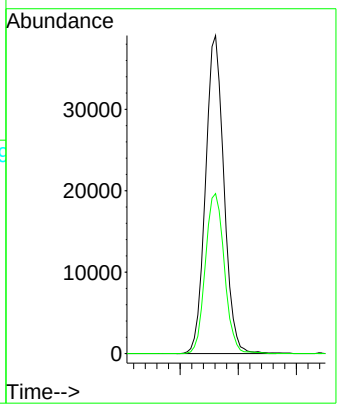


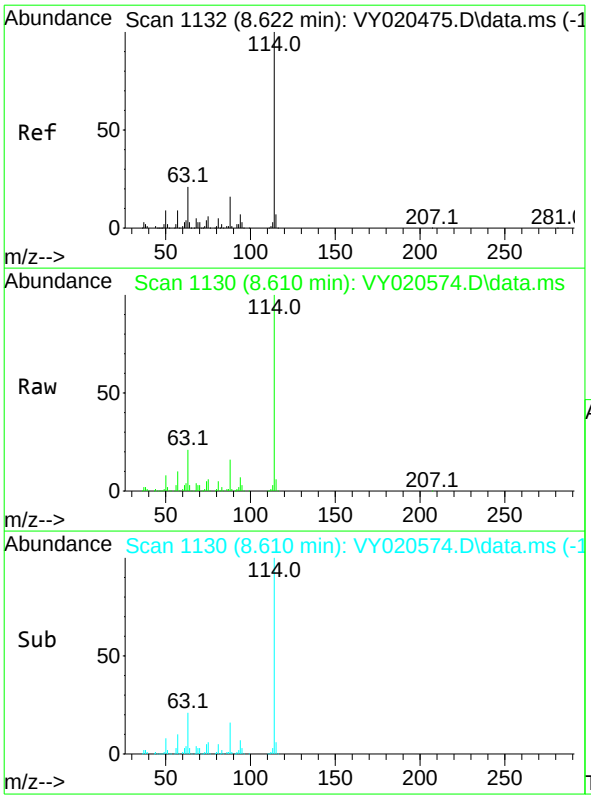


#33
1,2-Dichloroethane-d4
Concen: 55.762 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020574.D
Acq: 10 Dec 2024 17:20

Tgt Ion: 65 Resp: 85874

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	105.8



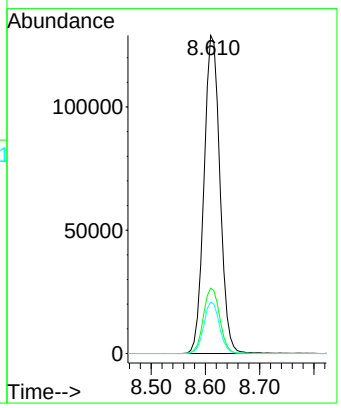


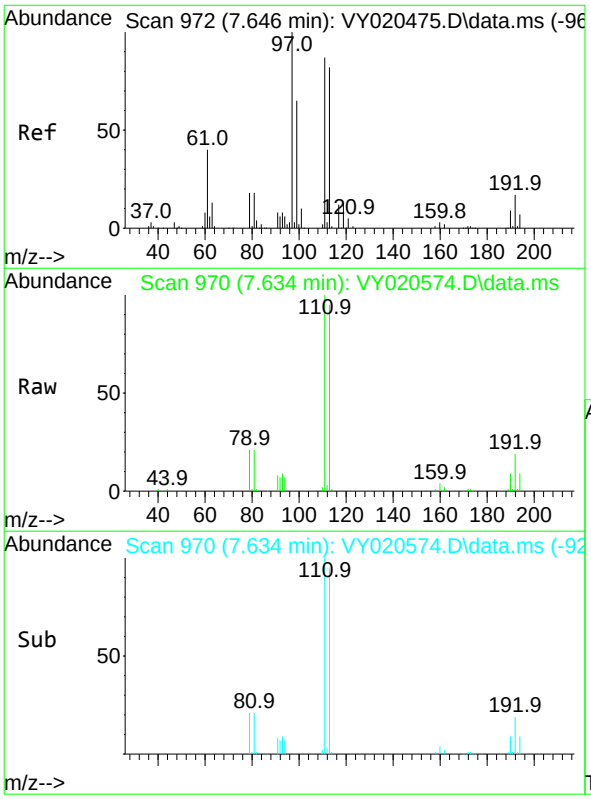
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY020574.D
Acq: 10 Dec 2024 17:20

Instrument :
MSVOA_Y
ClientSampleId :
WP-4

Tgt Ion:114 Resp: 263038

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	44.8
88	16.2	0.0	32.0

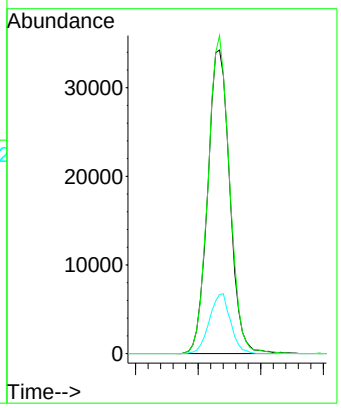


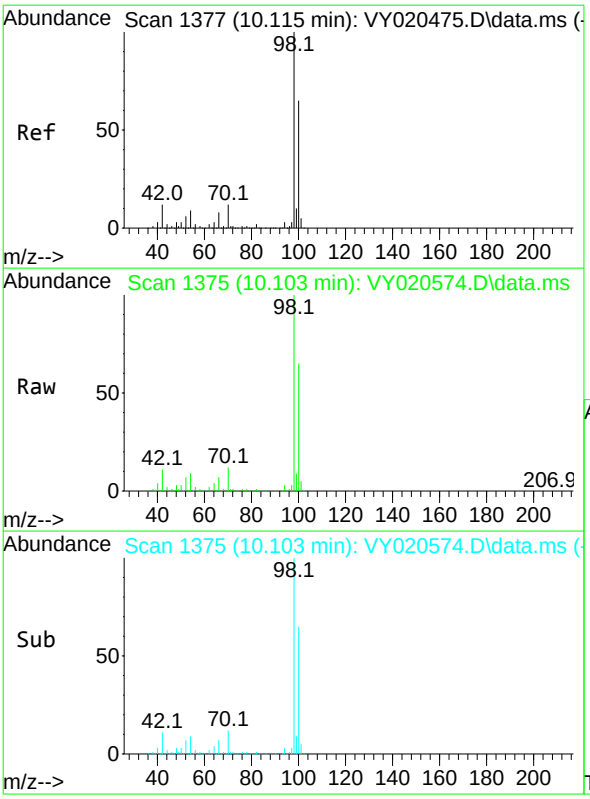


#35
Dibromofluoromethane
Concen: 50.804 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.012 min
Lab File: VY020574.D
Acq: 10 Dec 2024 17:20

Tgt Ion:113 Resp: 84129

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	18.8	15.1	22.7



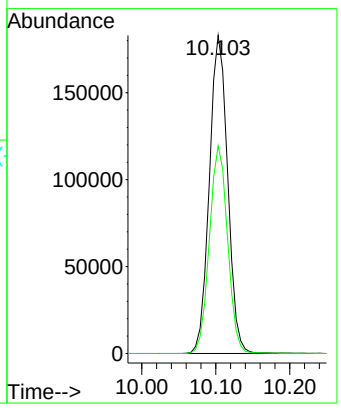


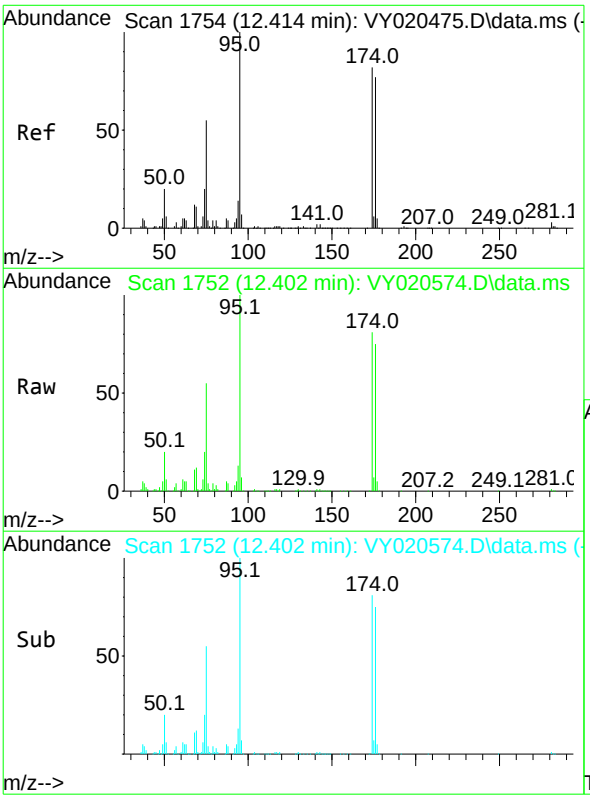
#50
Toluene-d8
Concen: 49.806 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.012 min
Lab File: VY020574.D
Acq: 10 Dec 2024 17:20

Instrument :
MSVOA_Y
ClientSampleId :
WP-4

Tgt Ion: 98 Resp: 314056

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.3	76.9

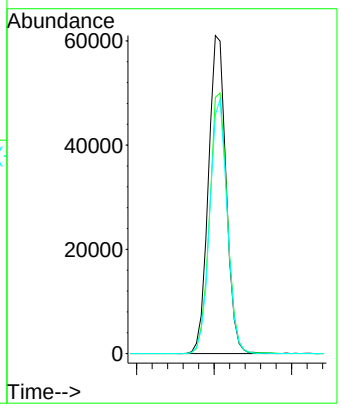


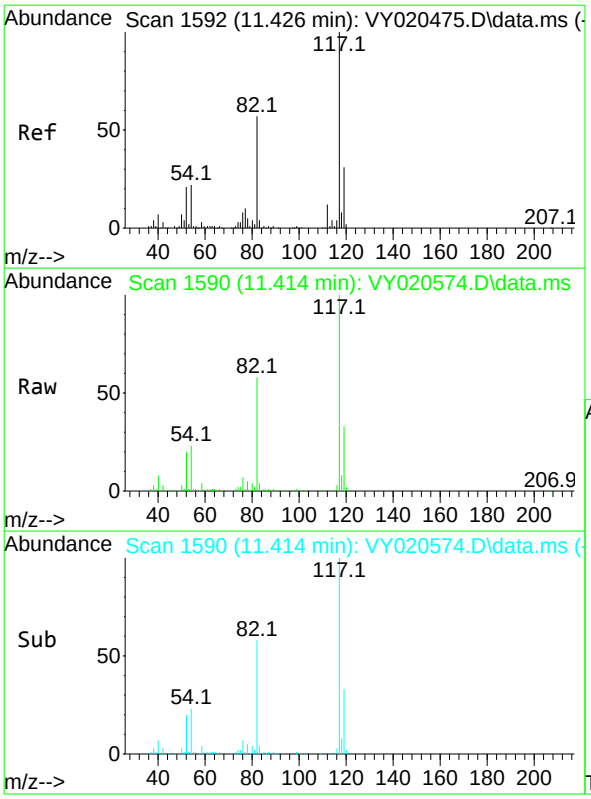


#62
4-Bromofluorobenzene
Concen: 43.828 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.012 min
Lab File: VY020574.D
Acq: 10 Dec 2024 17:20

Tgt Ion: 95 Resp: 96656

Ion	Ratio	Lower	Upper
95	100		
174	82.4	0.0	156.8
176	78.7	0.0	152.0



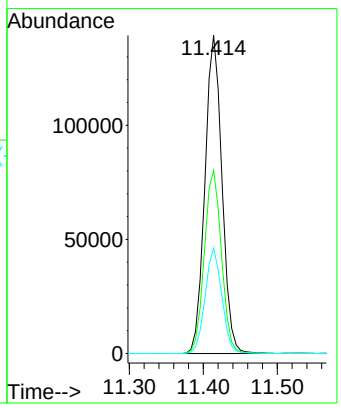


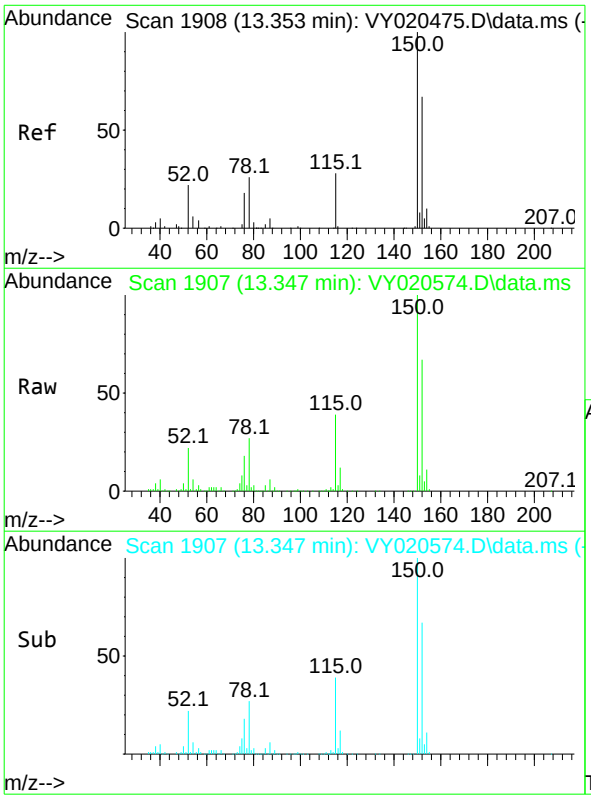
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.012 min
Lab File: VY020574.D
Acq: 10 Dec 2024 17:20

Instrument :
MSVOA_Y
ClientSampleId :
WP-4

Tgt Ion:117 Resp: 223099

Ion	Ratio	Lower	Upper
117	100		
82	57.6	48.2	72.4
119	33.2	25.8	38.8

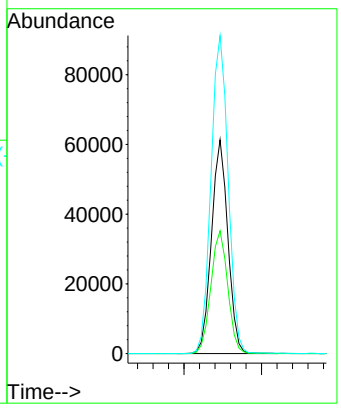




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY020574.D
Acq: 10 Dec 2024 17:20

Tgt Ion:152 Resp: 90370

Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.0	90.0
150	155.1	0.0	348.2



Sample Results: **VY020574.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020574.D
Acq On : 10 Dec 2024 17:20
Operator : SY/MD
Sample : P5194-06
Misc : 4.51g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-4

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

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

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

Signal : TIC: VY020574.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	838	848	859	rBV2	4410	14626	1.75%	0.346%
2	7.634	960	970	976	rBV2	116931	282970	33.84%	6.688%
3	7.707	976	982	995	rVB	203664	458651	54.84%	10.841%
4	8.061	1029	1040	1053	rBV	105826	235684	28.18%	5.571%
5	8.610	1121	1130	1142	rBV	309461	624330	74.66%	14.757%
6	10.103	1365	1375	1385	rBV	489491	836280	100.00%	19.766%
7	11.414	1582	1590	1603	rBV	438217	711611	85.09%	16.820%
8	12.402	1745	1752	1761	rBV	312255	501822	60.01%	11.861%
9	13.200	1876	1883	1888	rBV6	4993	9737	1.16%	0.230%
10	13.347	1900	1907	1913	rBV	363664	555098	66.38%	13.120%

Sum of corrected areas: 4230809

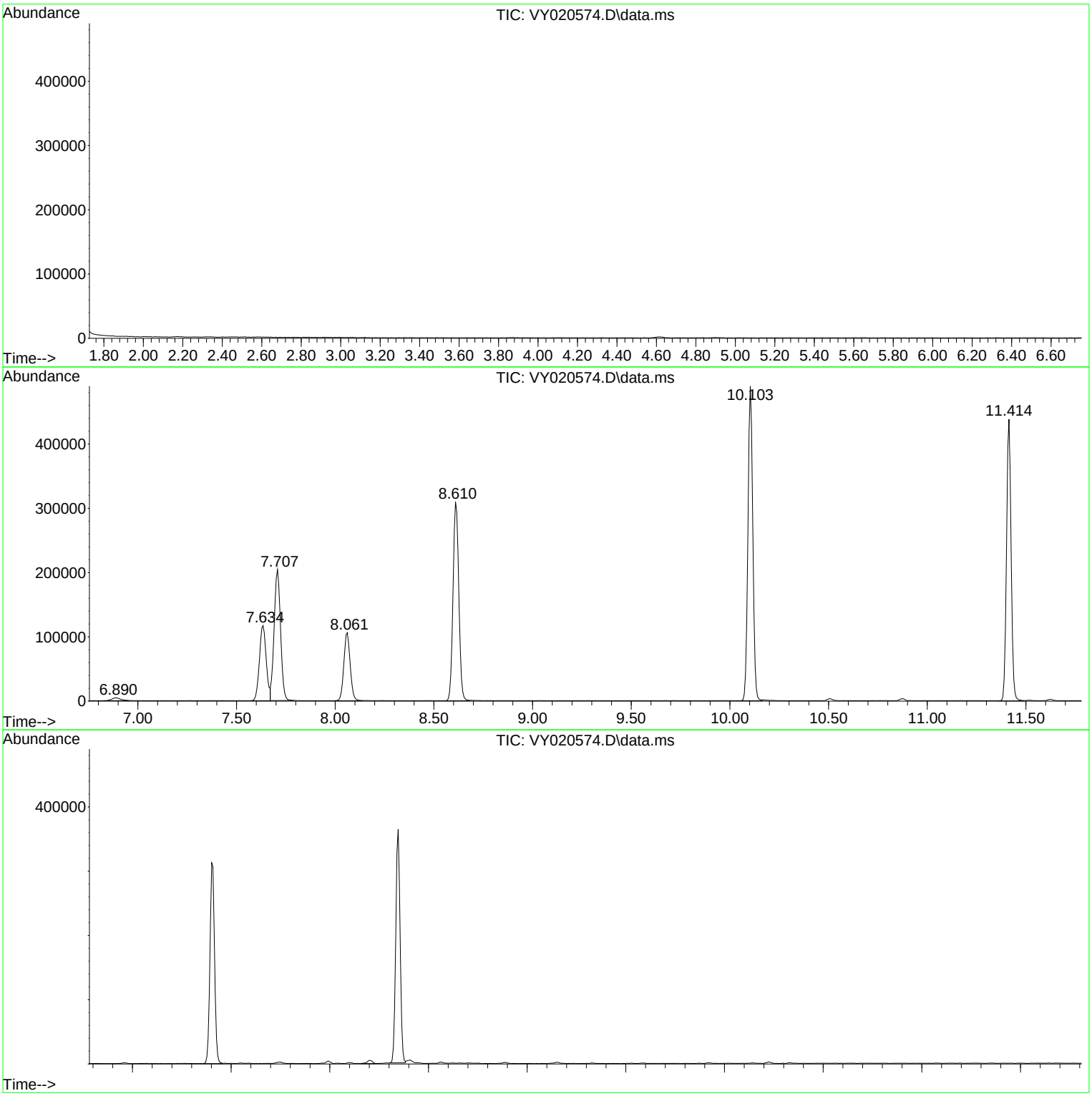
Sample Results: **VY020574.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020574.D
Acq On : 10 Dec 2024 17:20
Operator : SY/MD
Sample : P5194-06
Misc : 4.51g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-4

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: **VY020574.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020574.D
Acq On : 10 Dec 2024 17:20
Operator : SY/MD
Sample : P5194-06
Misc : 4.51g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-4

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\VY121024\
Data File : VY020574.D
Acq On : 10 Dec 2024 17:20
Operator : SY/MD
Sample : P5194-06
Misc : 4.51g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP-4

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

CALIBRATION SUMMARY

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: JPCL01

Lab Code: CHEM Case No.: P5194 SAS No.: P5194 SDG No.: P5194

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: JPCL01

Lab Code: CHEM Case No.: P5194 SAS No.: P5194 SDG No.: P5194

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

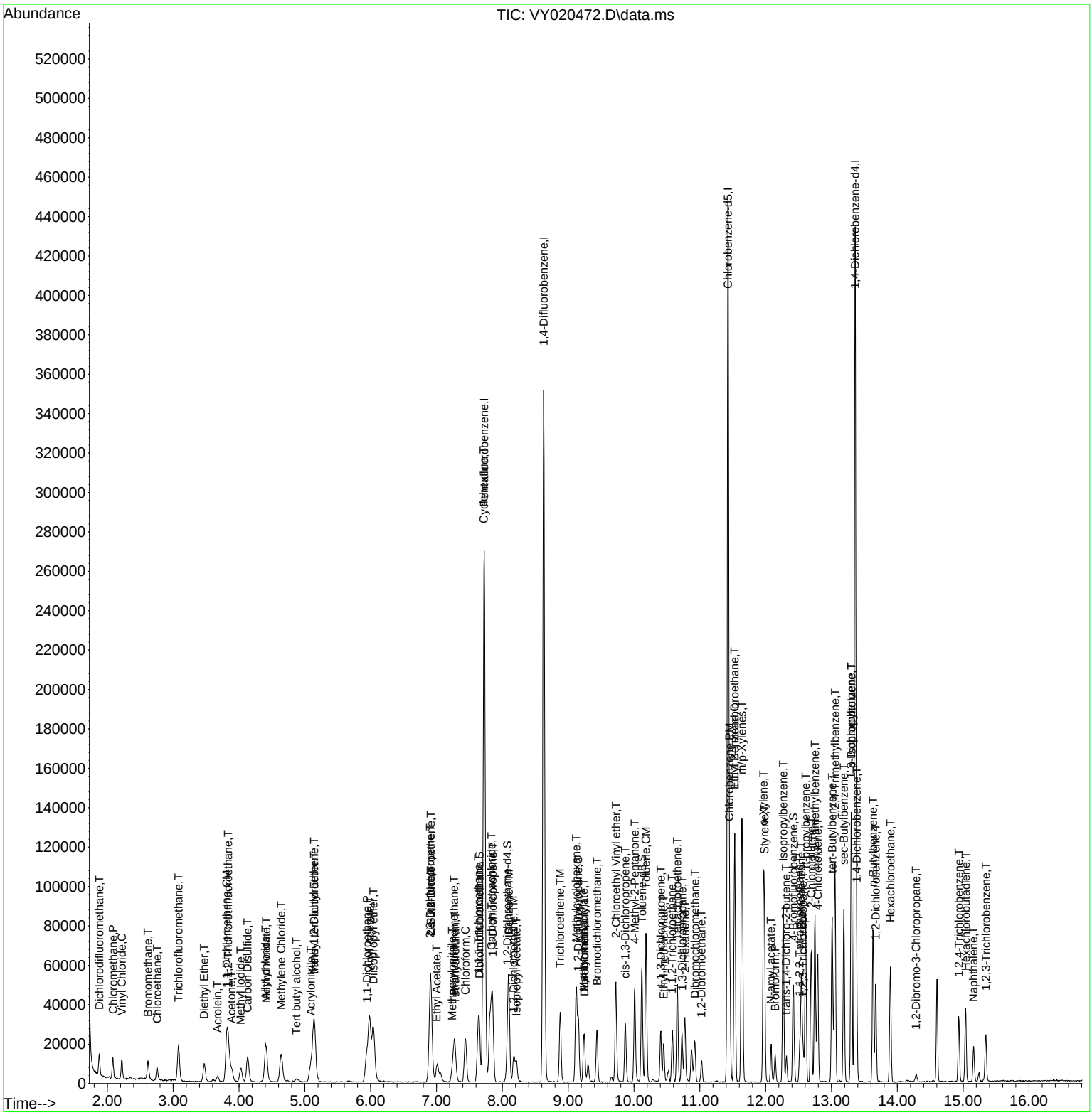
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020472.D
Acq On : 02 Dec 2024 09:16
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

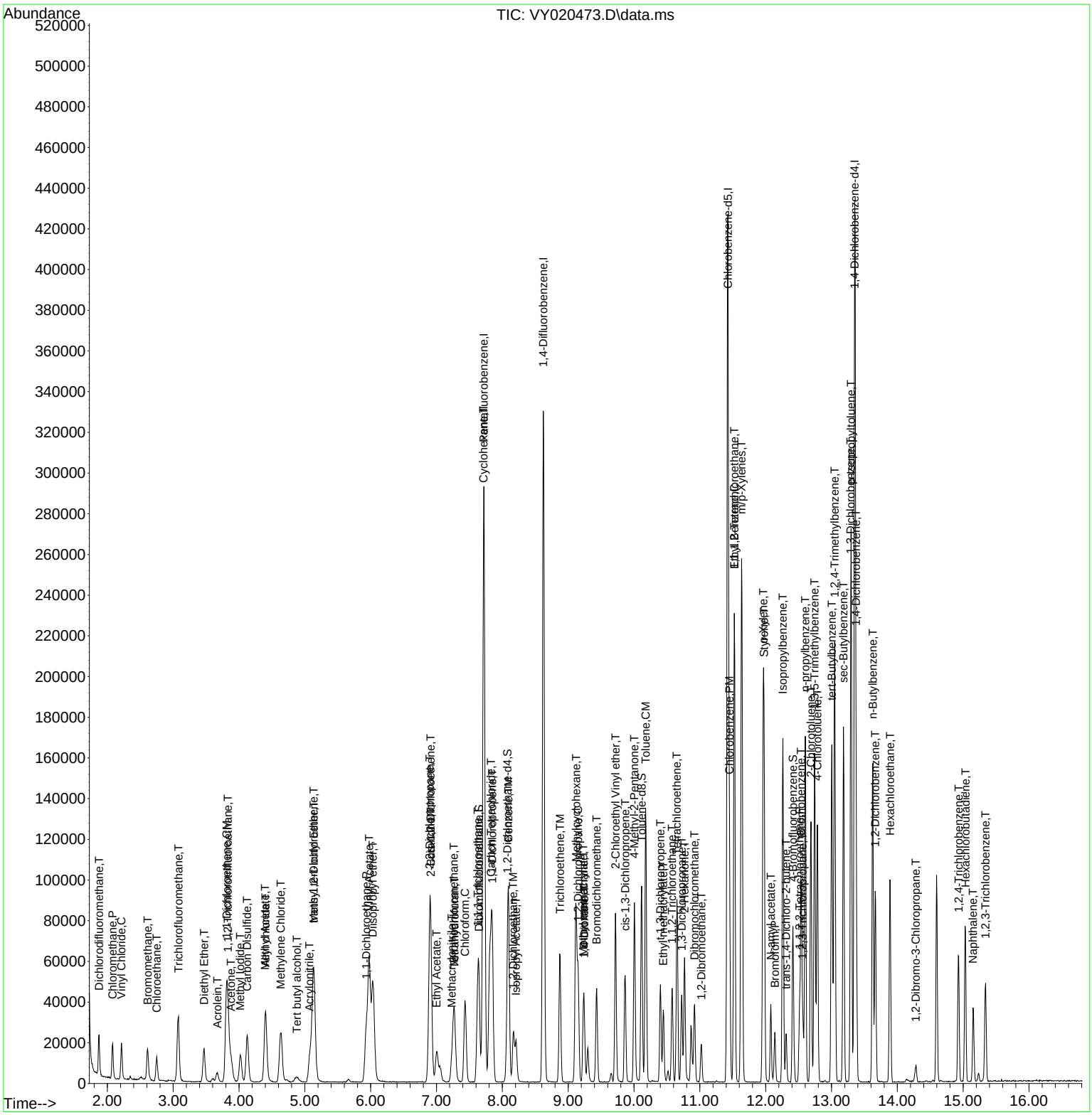
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020473.D
Acq On : 02 Dec 2024 09:38
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

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
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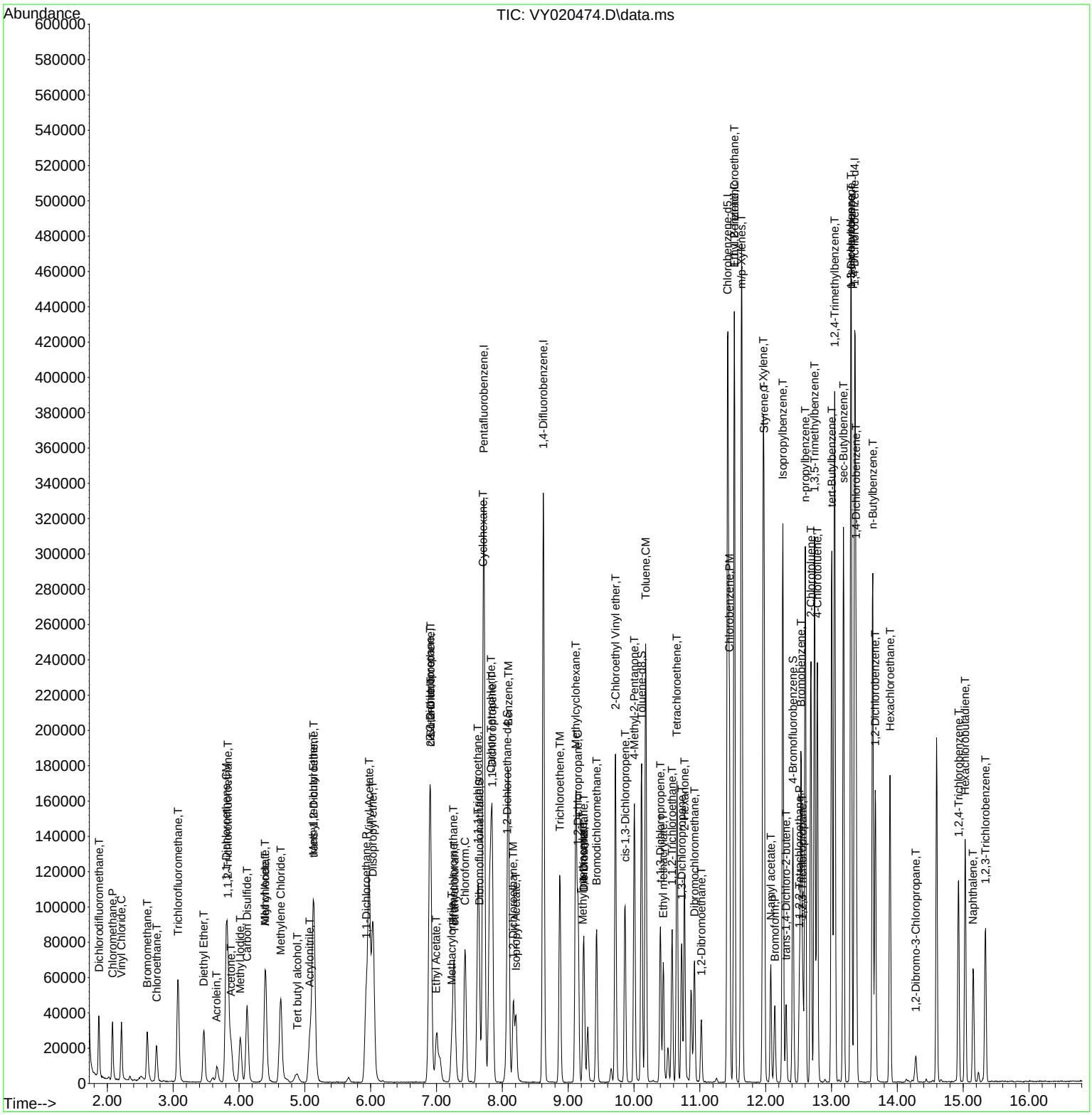
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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

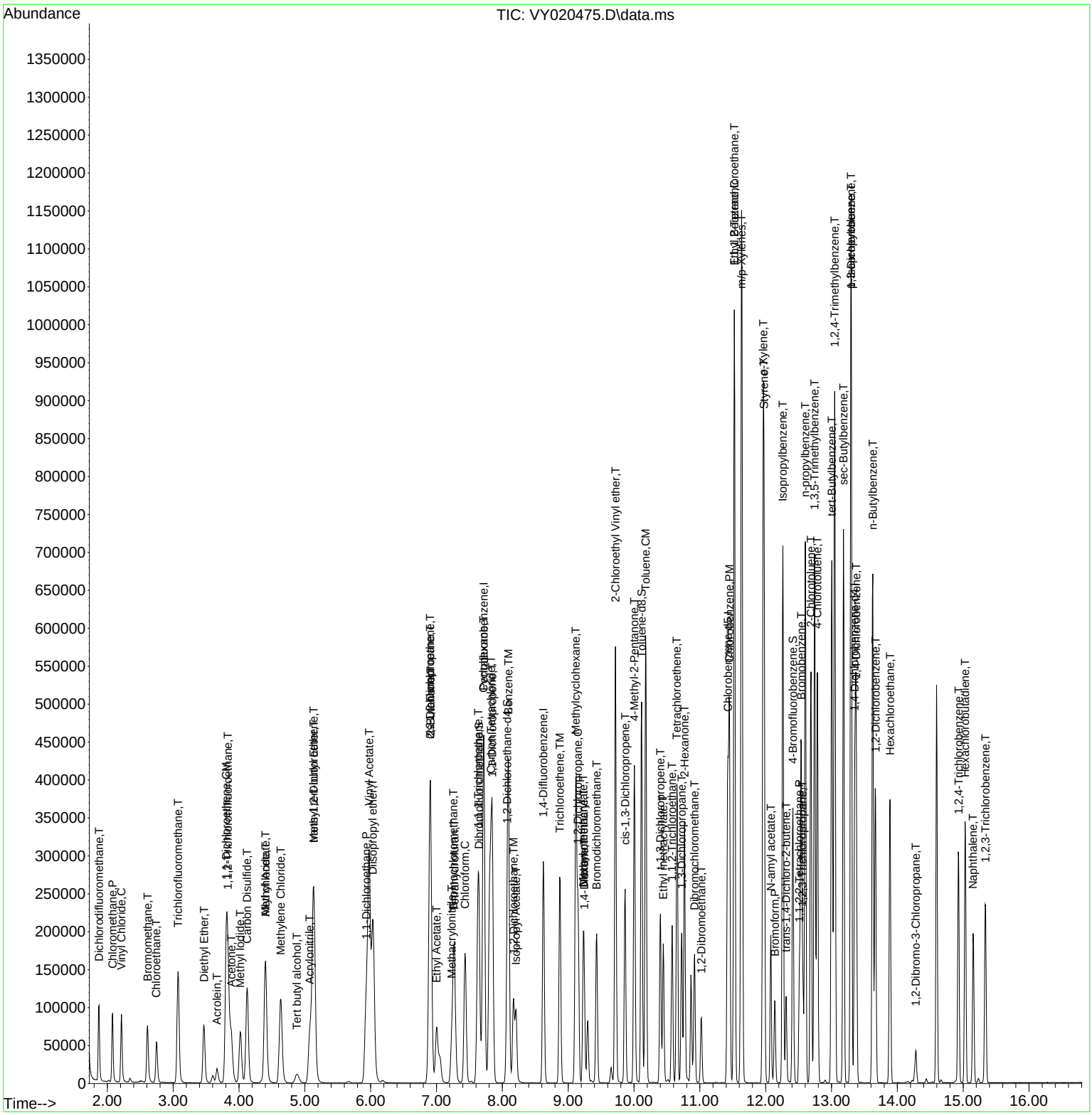
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020475.D
Acq On : 02 Dec 2024 10:24
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

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

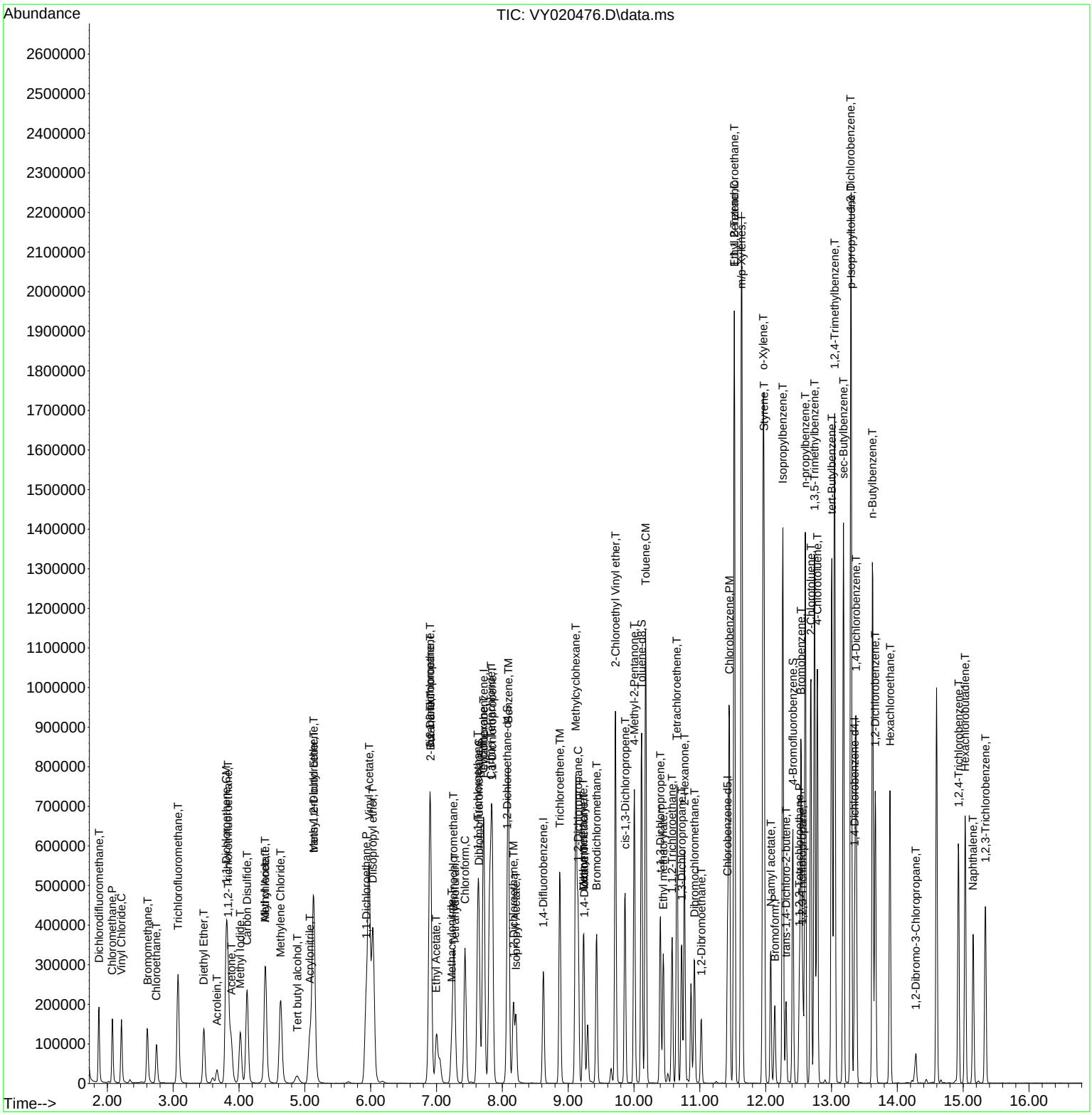
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020476.D
Acq On : 02 Dec 2024 10:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

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
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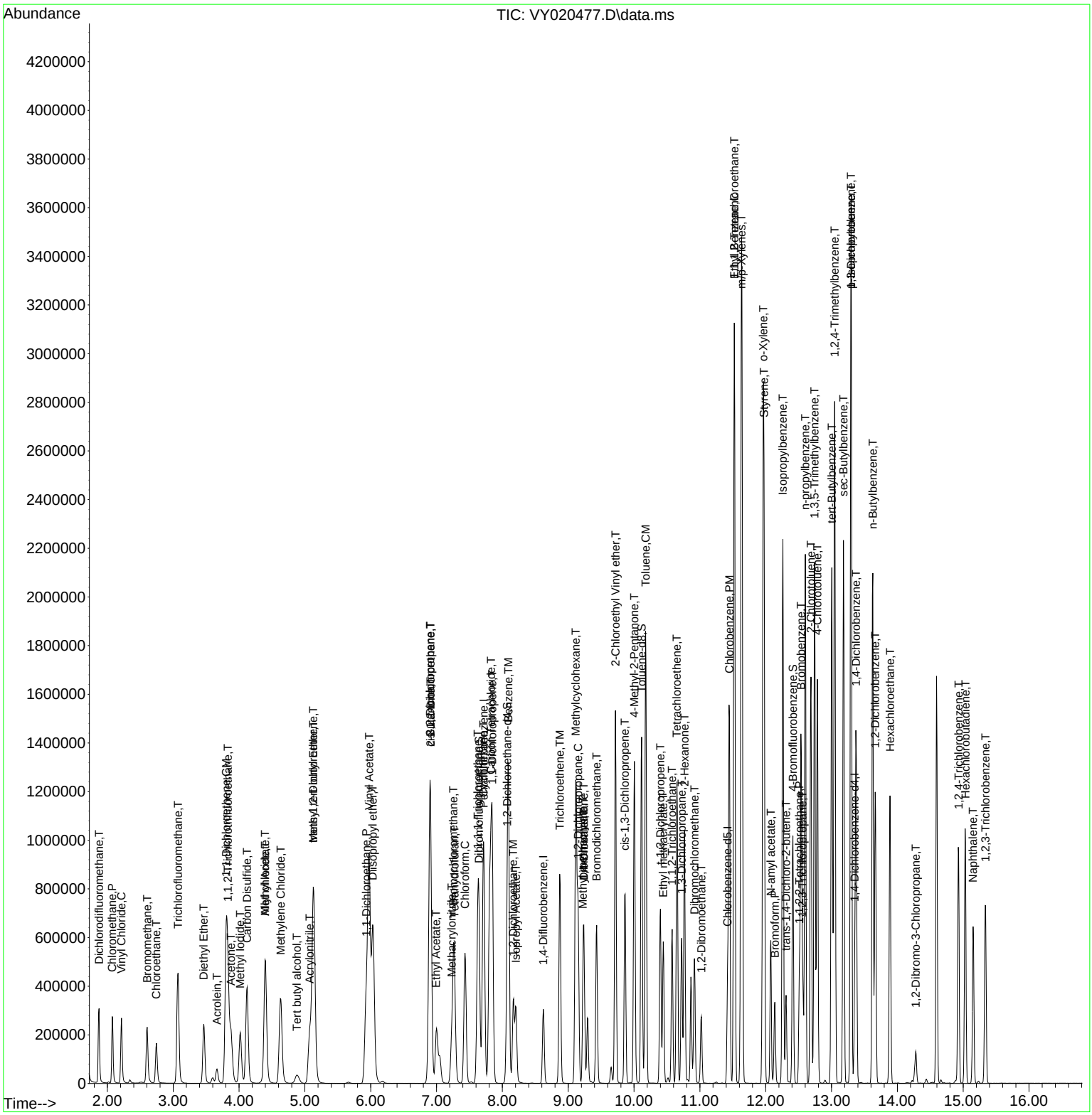


Quantitation Report (QT Reviewed)

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

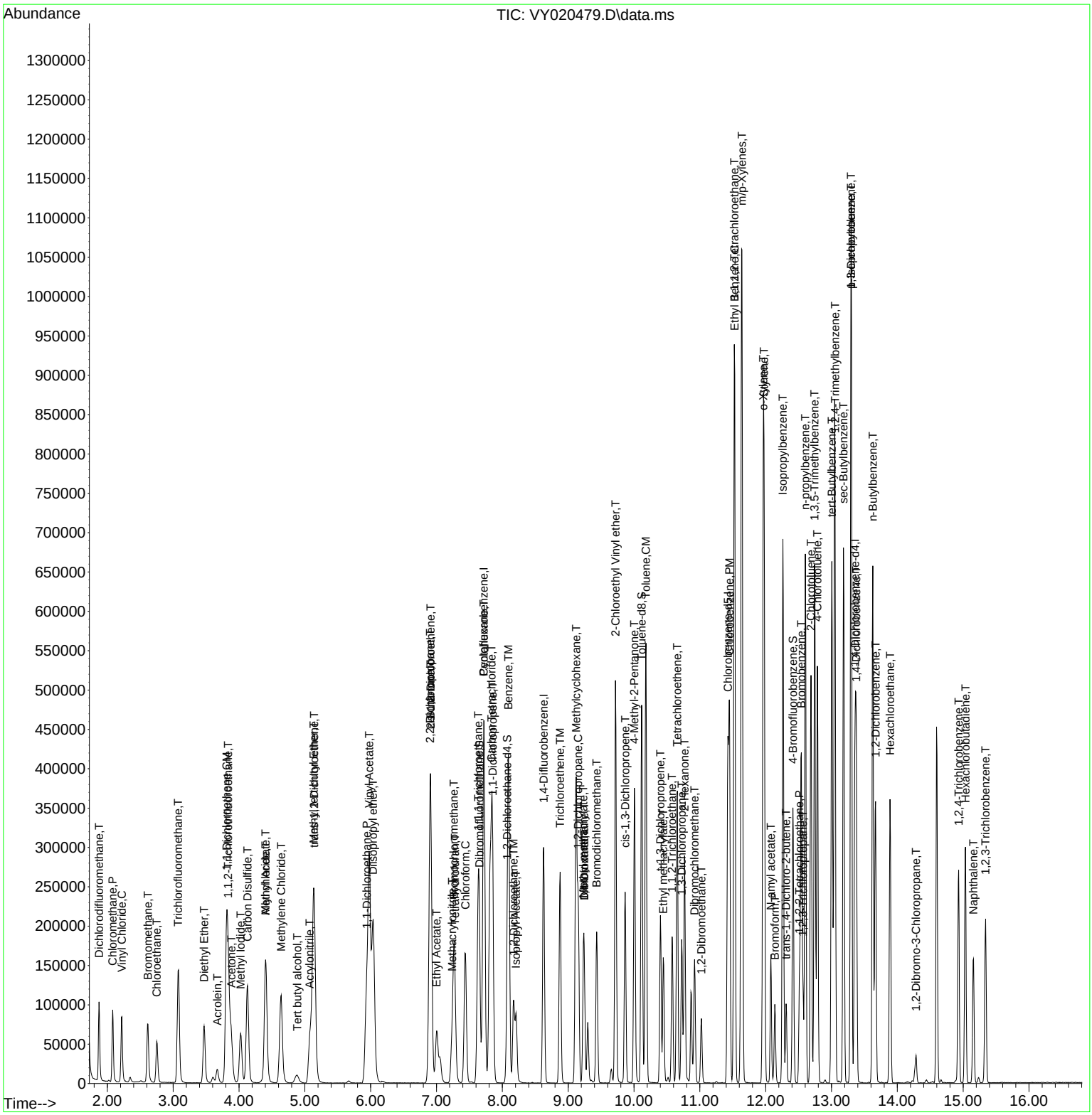
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020479.D
Acq On : 02 Dec 2024 12:11
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

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: **VY020560.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: JPCL01

Lab Code: CHEM Case No.: P5194 SAS No.: P5194 SDG No.: P5194

Instrument ID: MSVOA_Y Calibration Date/Time: 12/10/2024 10:42

Lab File ID: VY020560.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	0.451		-7.58	20
Chloromethane	0.494	0.472	0.1	-4.45	20
Vinyl Chloride	0.503	0.494		-1.79	20
Bromomethane	0.295	0.303		2.71	20
Chloroethane	0.309	0.313		1.29	20
Trichlorofluoromethane	0.943	0.883		-6.36	20
1,1,2-Trichlorotrifluoroethane	0.549	0.526		-4.19	20
1,1-Dichloroethene	0.519	0.517		-0.38	20
Acetone	0.126	0.158		25.4	20
Carbon Disulfide	1.486	1.498		0.81	20
Methyl tert-butyl Ether	1.326	1.443		8.82	20
Methyl Acetate	0.269	0.314		16.73	20
Methylene Chloride	0.538	0.571		6.13	20
trans-1,2-Dichloroethene	0.576	0.582		1.04	20
1,1-Dichloroethane	1.108	1.120	0.1	1.08	20
Cyclohexane	1.002	0.886		-11.58	20
2-Butanone	0.160	0.189		18.13	20
Carbon Tetrachloride	0.634	0.589		-7.1	20
cis-1,2-Dichloroethene	0.673	0.706		4.9	20
Bromochloromethane	0.414	0.436		5.31	20
Chloroform	1.137	1.148		0.97	20
1,1,1-Trichloroethane	1.095	1.051		-4.02	20
Methylcyclohexane	0.660	0.602		-8.79	20
Benzene	1.567	1.537		-1.91	20
1,2-Dichloroethane	0.412	0.422		2.43	20
Trichloroethene	0.386	0.379		-1.81	20
1,2-Dichloropropane	0.367	0.364		-0.82	20
Bromodichloromethane	0.535	0.539		0.75	20
4-Methyl-2-Pentanone	0.210	0.236		12.38	20
Toluene	0.978	0.962		-1.64	20
t-1,3-Dichloropropene	0.480	0.504		5	20
cis-1,3-Dichloropropene	0.568	0.590		3.87	20
1,1,2-Trichloroethane	0.242	0.256		5.78	20
2-Hexanone	0.152	0.172		13.16	20
Dibromochloromethane	0.337	0.357		5.93	20
1,2-Dibromoethane	0.222	0.235		5.86	20
Tetrachloroethene	0.422	0.382		-9.48	20
Chlorobenzene	1.253	1.201	0.3	-4.15	20

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

Raw Data: **VY020560.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P5194 SAS No.: P5194 SDG No.: P5194

Instrument ID: MSVOA_Y Calibration Date/Time: 12/10/2024 10:42

Lab File ID: VY020560.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	2.200		-6.34	20
m/p-Xylenes	0.860	0.817		-5	20
o-Xylene	0.806	0.774		-3.97	20
Styrene	1.344	1.312		-2.38	20
Bromoform	0.226	0.237	0.1	4.87	20
Isopropylbenzene	4.838	4.299		-11.14	20
1,1,2,2-Tetrachloroethane	0.696	0.694	0.3	-0.29	20
1,3-Dichlorobenzene	1.932	1.834		-5.07	20
1,4-Dichlorobenzene	1.892	1.803		-4.7	20
1,2-Dichlorobenzene	1.639	1.579		-3.66	20
1,2-Dibromo-3-Chloropropane	0.105	0.107		1.9	20
1,2,4-Trichlorobenzene	0.921	0.923		0.22	20
1,2,3-Trichlorobenzene	0.743	0.764		2.83	20
1,2-Dichloroethane-d4	0.509	0.570		11.98	20
Dibromofluoromethane	0.315	0.351		11.43	20
Toluene-d8	1.199	1.287		7.34	20
4-Bromofluorobenzene	0.419	0.460		9.78	20

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

Sample Results: **VY020560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020560.D
Acq On : 10 Dec 2024 10:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Quant Time: Dec 11 00:44:54 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	176773	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	282168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	241362	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	116370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	100694	56.009	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.020%			
35) Dibromofluoromethane	7.628	113	99024	55.745	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.480%			
50) Toluene-d8	10.103	98	363152	53.688	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.380%			
62) 4-Bromofluorobenzene	12.408	95	129829	54.879	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 109.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	79689	46.215	ug/l	100
3) Chloromethane	2.068	50	83436	47.791	ug/l	96
4) Vinyl Chloride	2.202	62	87397	49.098	ug/l	99
5) Bromomethane	2.592	94	53474	51.199	ug/l	96
6) Chloroethane	2.733	64	55310	50.696	ug/l	99
7) Trichlorofluoromethane	3.056	101	156175	46.845	ug/l	99
8) Diethyl Ether	3.452	74	50481	53.441	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	92986	47.868	ug/l	97
10) Methyl Iodide	4.001	142	116113	53.246	ug/l	96
11) Tert butyl alcohol	4.860	59	38239	327.887	ug/l	99
12) 1,1-Dichloroethene	3.787	96	91444	49.832	ug/l	93
13) Acrolein	3.653	56	17328	158.696	ug/l	98
14) Allyl chloride	4.385	41	165806	50.661	ug/l	95
15) Acrylonitrile	5.055	53	111612	283.582	ug/l	99
16) Acetone	3.860	43	139791	312.716	ug/l	99
17) Carbon Disulfide	4.104	76	264846	50.427	ug/l	99
18) Methyl Acetate	4.379	43	55478	58.391	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	255054	54.425	ug/l	99
20) Methylene Chloride	4.616	84	100986	53.106	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	102929	50.500	ug/l	94
22) Diisopropyl ether	6.019	45	338927	52.077	ug/l	97
23) Vinyl Acetate	5.958	43	945972	274.804	ug/l	99
24) 1,1-Dichloroethane	5.909	63	198022	50.540	ug/l	99
25) 2-Butanone	6.890	43	167158	296.131	ug/l	93
26) 2,2-Dichloropropane	6.878	77	181314	48.926	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	124821	52.447	ug/l	96
28) Bromochloromethane	7.244	49	77098	52.693	ug/l	92
29) Tetrahydrofuran	7.256	42	91573	284.366	ug/l	96
30) Chloroform	7.421	83	202936	50.466	ug/l	97
31) Cyclohexane	7.701	56	156565	44.200	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	185802	47.985	ug/l	97
36) 1,1-Dichloropropene	7.835	75	139764	46.591	ug/l	99
37) Ethyl Acetate	6.982	43	66978	56.358	ug/l	97
38) Carbon Tetrachloride	7.817	117	166061	46.382	ug/l	99
39) Methylcyclohexane	9.103	83	169779	45.610	ug/l	99
40) Benzene	8.079	78	433672	49.032	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020560.D
Acq On : 10 Dec 2024 10:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 11 00:44:54 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 :
VSTDCCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	36802	54.473	ug/l	97
42) 1,2-Dichloroethane	8.158	62	119126	51.259	ug/l	100
43) Isopropyl Acetate	8.195	43	130191	54.250	ug/l	97
44) Trichloroethene	8.866	130	106835	48.999	ug/l	96
45) 1,2-Dichloropropane	9.140	63	102691	49.616	ug/l	96
46) Dibromomethane	9.231	93	54356	53.043	ug/l	96
47) Bromodichloromethane	9.420	83	152073	50.369	ug/l	97
48) Methyl methacrylate	9.219	41	61878	55.294	ug/l	95
49) 1,4-Dioxane	9.225	88	12344	1260.209	ug/l	91
51) 4-Methyl-2-Pentanone	9.993	43	333283	281.217	ug/l	97
52) Toluene	10.170	92	271497	49.200	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	142302	52.499	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	166397	51.944	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	72140	52.773	ug/l	97
56) Ethyl methacrylate	10.438	69	108830	56.266	ug/l	93
57) 1,3-Dichloropropane	10.713	76	127753	52.190	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	270230	298.396	ug/l	97
59) 2-Hexanone	10.756	43	243132	284.373	ug/l	94
60) Dibromochloromethane	10.908	129	100871	53.001	ug/l	100
61) 1,2-Dibromoethane	11.012	107	66293	53.031	ug/l	100
64) Tetrachloroethene	10.646	164	92224	45.220	ug/l	95
65) Chlorobenzene	11.438	112	289782	47.899	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	103955	48.452	ug/l	98
67) Ethyl Benzene	11.518	91	530925	46.819	ug/l	99
68) m/p-Xylenes	11.627	106	394449	94.993	ug/l	100
69) o-Xylene	11.950	106	186701	47.994	ug/l	100
70) Styrene	11.969	104	316687	48.795	ug/l	100
71) Bromoform	12.133	173	57198	52.434	ug/l	100
73) Isopropylbenzene	12.255	105	500318	44.436	ug/l	99
74) N-amyl acetate	12.072	43	114763	52.004	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	80711	49.846	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	58177m	49.076	ug/l	
77) Bromobenzene	12.530	156	109284	46.869	ug/l	97
78) n-propylbenzene	12.597	91	592505	44.446	ug/l	99
79) 2-Chlorotoluene	12.682	91	341771	45.435	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	406605	45.063	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	29408	50.901	ug/l	93
82) 4-Chlorotoluene	12.780	91	352485	45.919	ug/l	99
83) tert-Butylbenzene	12.999	119	370618	45.432	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	400948	45.718	ug/l	100
85) sec-Butylbenzene	13.176	105	521855	44.637	ug/l	99
86) p-Isopropyltoluene	13.292	119	437382	45.273	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	213415	47.459	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	209766	47.650	ug/l	99
89) n-Butylbenzene	13.615	91	408886	45.633	ug/l	99
90) Hexachloroethane	13.883	117	87513	46.481	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	183747	48.184	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12484	50.929	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	107436	50.102	ug/l	100
94) Hexachlorobutadiene	15.023	225	72120	48.076	ug/l	98
95) Naphthalene	15.145	128	188119	54.213	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	88880	51.368	ug/l	100

Sample Results: **VY020560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020560.D
Acq On : 10 Dec 2024 10:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 11 00:44:54 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 :
VSTDCCC050

Manual Integrations APPROVED

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

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

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

Sample Results: **VY020560.D**

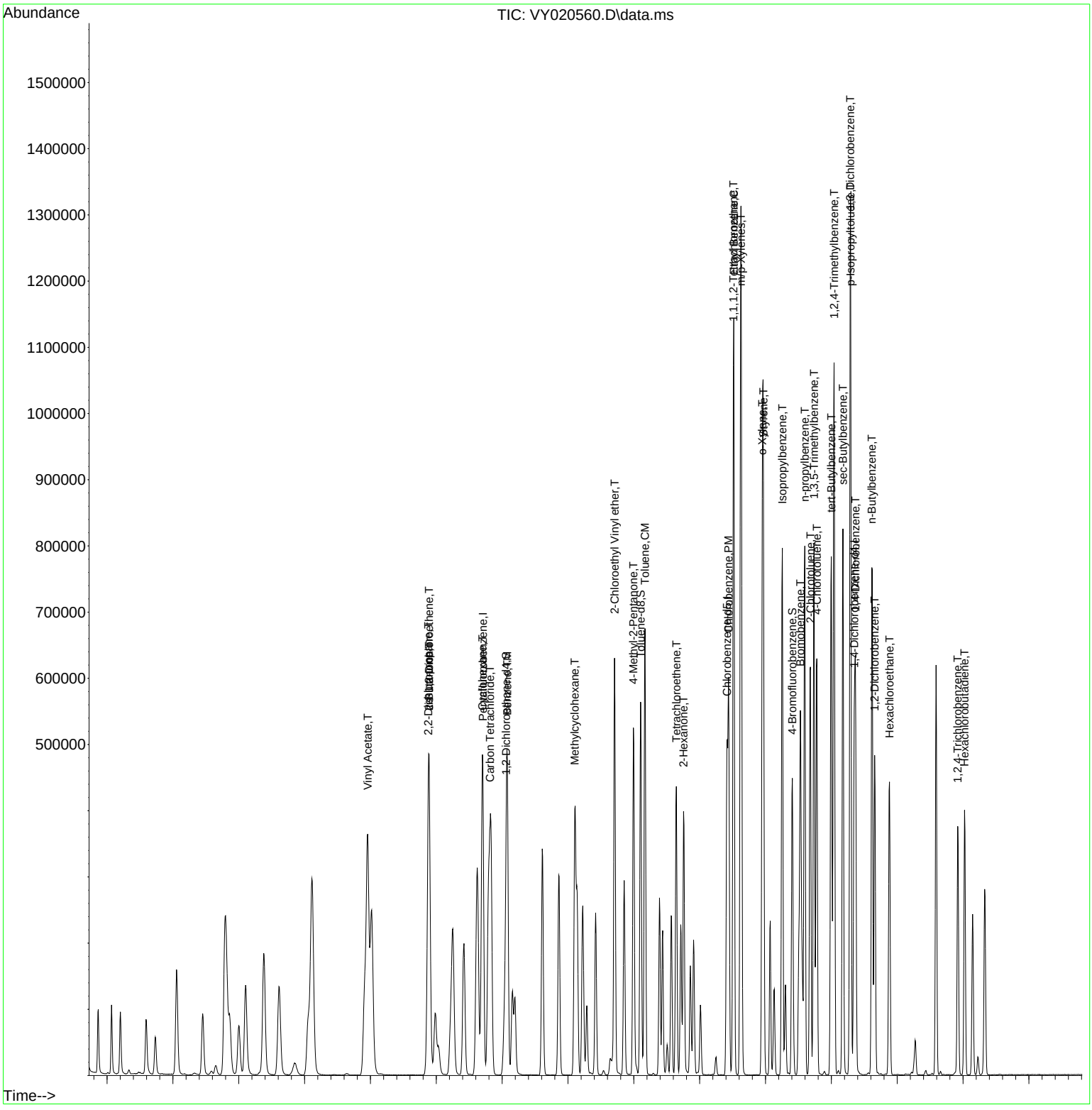
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020560.D
Acq On : 10 Dec 2024 10:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 11 00:44:54 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 :
VSTDCCC050

Manual Integrations APPROVED

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



Sample Results: **VY020560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020560.D
Acq On : 10 Dec 2024 10:42
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 11 00:44:54 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

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	113	-0.01
2	T	Dichlorodifluoromethane	0.488	0.451	7.6	97	0.00
3	P	Chloromethane	0.494	0.472	4.5	102	-0.01
4	C	Vinyl Chloride	0.503	0.494	1.8#	104	-0.01
5	T	Bromomethane	0.295	0.303	-2.7	112	-0.02
6	T	Chloroethane	0.309	0.313	-1.3	112	-0.01
7	T	Trichlorofluoromethane	0.943	0.883	6.4	103	-0.02
8	T	Diethyl Ether	0.267	0.286	-7.1	122	-0.02
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.526	4.2	108	-0.01
10	T	Methyl Iodide	0.617	0.657	-6.5	112	-0.02
11	T	Tert butyl alcohol	0.033	0.043	-30.3#	147	-0.02
12	CM	1,1-Dichloroethene	0.519	0.517	0.4#	110	-0.02
13	T	Acrolein	0.031	0.020	35.5#	80	-0.01
14	T	Allyl chloride	0.926	0.938	-1.3	113	-0.02
15	T	Acrylonitrile	0.111	0.126	-13.5	124	-0.02
16	T	Acetone	0.126	0.158	-25.4#	123	-0.02
17	T	Carbon Disulfide	1.486	1.498	-0.8	102	-0.02
18	T	Methyl Acetate	0.269	0.314	-16.7	128	-0.02
19	T	Methyl tert-butyl Ether	1.326	1.443	-8.8	121	-0.02
20	T	Methylene Chloride	0.538	0.571	-6.1	121	-0.02
21	T	trans-1,2-Dichloroethene	0.576	0.582	-1.0	114	-0.02
22	T	Diisopropyl ether	1.841	1.917	-4.1	117	-0.01
23	T	Vinyl Acetate	0.974	1.070	-9.9	118	-0.02
24	P	1,1-Dichloroethane	1.108	1.120	-1.1	116	-0.02
25	T	2-Butanone	0.160	0.189	-18.1	120	-0.02
26	T	2,2-Dichloropropane	1.048	1.026	2.1	113	-0.02
27	T	cis-1,2-Dichloroethene	0.673	0.706	-4.9	119	-0.01
28	T	Bromochloromethane	0.414	0.436	-5.3	111	-0.01
29	T	Tetrahydrofuran	0.091	0.104	-14.3	120	-0.02
30	C	Chloroform	1.137	1.148	-1.0#	117	-0.01
31	T	Cyclohexane	1.002	0.886	11.6	101	-0.01
32	T	1,1,1-Trichloroethane	1.095	1.051	4.0	110	-0.02
33	S	1,2-Dichloroethane-d4	0.509	0.570	-12.0	116	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	118	0.00
35	S	Dibromofluoromethane	0.315	0.351	-11.4	119	-0.02
36	T	1,1-Dichloropropene	0.532	0.495	7.0	106	-0.01
37	T	Ethyl Acetate	0.211	0.237	-12.3	127	-0.02
38	T	Carbon Tetrachloride	0.634	0.589	7.1	107	-0.01
39	T	Methylcyclohexane	0.660	0.602	8.8	102	-0.01
40	TM	Benzene	1.567	1.537	1.9	114	-0.01
41	T	Methacrylonitrile	0.120	0.130	-8.3	115	-0.01
42	TM	1,2-Dichloroethane	0.412	0.422	-2.4	116	-0.01
43	T	Isopropyl Acetate	0.425	0.461	-8.5	120	-0.01
44	TM	Trichloroethene	0.386	0.379	1.8	115	0.00
45	C	1,2-Dichloropropane	0.367	0.364	0.8#	119	0.00
46	T	Dibromomethane	0.182	0.193	-6.0	123	0.00
47	T	Bromodichloromethane	0.535	0.539	-0.7	119	-0.01
48	T	Methyl methacrylate	0.198	0.219	-10.6	122	-0.01

Sample Results: **VY020560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020560.D
Acq On : 10 Dec 2024 10:42
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 11 00:44:54 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

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	136	-0.02
50	S	Toluene-d8	1.199	1.287	-7.3	115	-0.01
51	T	4-Methyl-2-Pentanone	0.210	0.236	-12.4	123	-0.01
52	CM	Toluene	0.978	0.962	1.6#	114	0.00
53	T	t-1,3-Dichloropropene	0.480	0.504	-5.0	120	-0.01
54	T	cis-1,3-Dichloropropene	0.568	0.590	-3.9	119	-0.01
55	T	1,1,2-Trichloroethane	0.242	0.256	-5.8	122	0.00
56	T	Ethyl methacrylate	0.343	0.386	-12.5	123	0.00
57	T	1,3-Dichloropropane	0.434	0.453	-4.4	120	-0.01
58	T	2-Chloroethyl Vinyl ether	0.160	0.192	-20.0	113	-0.01
59	T	2-Hexanone	0.152	0.172	-13.2	118	-0.01
60	T	Dibromochloromethane	0.337	0.357	-5.9	121	-0.01
61	T	1,2-Dibromoethane	0.222	0.235	-5.9	122	-0.01
62	S	4-Bromofluorobenzene	0.419	0.460	-9.8	120	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	121	-0.01
64	T	Tetrachloroethene	0.422	0.382	9.5	110	0.00
65	PM	Chlorobenzene	1.253	1.201	4.2	118	-0.01
66	T	1,1,1,2-Tetrachloroethane	0.444	0.431	2.9	120	-0.01
67	C	Ethyl Benzene	2.349	2.200	6.3#	114	0.00
68	T	m/p-Xylenes	0.860	0.817	5.0	117	0.00
69	T	o-Xylene	0.806	0.774	4.0	116	-0.01
70	T	Styrene	1.344	1.312	2.4	118	0.00
71	P	Bromoform	0.226	0.237	-4.9	125	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00
73	T	Isopropylbenzene	4.838	4.299	11.1	115	0.00
74	T	N-amyl acetate	0.948	0.986	-4.0	121	0.00
75	P	1,1,2,2-Tetrachloroethane	0.696	0.694	0.3	124	0.00
76	T	1,2,3-Trichloropropane	0.509	0.500	1.8	145	0.00
77	T	Bromobenzene	1.002	0.939	6.3	119	-0.01
78	T	n-propylbenzene	5.728	5.092	11.1	114	0.00
79	T	2-Chlorotoluene	3.232	2.937	9.1	118	0.00
80	T	1,3,5-Trimethylbenzene	3.877	3.494	9.9	115	0.00
81	T	trans-1,4-Dichloro-2-butene	0.248	0.253	-2.0	123	0.00
82	T	4-Chlorotoluene	3.298	3.029	8.2	118	0.00
83	T	tert-Butylbenzene	3.505	3.185	9.1	118	0.00
84	T	1,2,4-Trimethylbenzene	3.768	3.445	8.6	117	0.00
85	T	sec-Butylbenzene	5.023	4.484	10.7	115	0.00
86	T	p-Isopropyltoluene	4.151	3.759	9.4	116	0.00
87	T	1,3-Dichlorobenzene	1.932	1.834	5.1	121	-0.01
88	T	1,4-Dichlorobenzene	1.891	1.803	4.7	122	-0.01
89	T	n-Butylbenzene	3.850	3.514	8.7	116	-0.01
90	T	Hexachloroethane	0.809	0.752	7.0	121	0.00
91	T	1,2-Dichlorobenzene	1.639	1.579	3.7	122	-0.01
92	T	1,2-Dibromo-3-Chloropropane	0.105	0.107	-1.9	121	0.00
93	T	1,2,4-Trichlorobenzene	0.921	0.923	-0.2	123	-0.01
94	T	Hexachlorobutadiene	0.645	0.620	3.9	117	0.00
95	T	Naphthalene	1.491	1.617	-8.5	123	0.00

Sample Results: **VY020560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020560.D
Acq On : 10 Dec 2024 10:42
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 11 00:44:54 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

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	0.764	-2.8	123	-0.01

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

Sample Results: **VY020560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020560.D
Acq On : 10 Dec 2024 10:42
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 11 00:44:54 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

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	113	-0.01
2	T	Dichlorodifluoromethane	50.000	46.215	7.6	97	0.00
3	P	Chloromethane	50.000	47.791	4.4	102	-0.01
4	C	Vinyl Chloride	50.000	49.098	1.8#	104	-0.01
5	T	Bromomethane	50.000	51.199	-2.4	112	-0.02
6	T	Chloroethane	50.000	50.696	-1.4	112	-0.01
7	T	Trichlorofluoromethane	50.000	46.845	6.3	103	-0.02
8	T	Diethyl Ether	50.000	53.441	-6.9	122	-0.02
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.868	4.3	108	-0.01
10	T	Methyl Iodide	50.000	53.246	-6.5	112	-0.02
11	T	Tert butyl alcohol	250.000	327.887	-31.2#	147	-0.02
12	CM	1,1-Dichloroethene	50.000	49.832	0.3#	110	-0.02
13	T	Acrolein	250.000	158.696	36.5#	80	-0.01
14	T	Allyl chloride	50.000	50.661	-1.3	113	-0.02
15	T	Acrylonitrile	250.000	283.582	-13.4	124	-0.02
16	T	Acetone	250.000	312.716	-25.1#	123	-0.02
17	T	Carbon Disulfide	50.000	50.427	-0.9	102	-0.02
18	T	Methyl Acetate	50.000	58.391	-16.8	128	-0.02
19	T	Methyl tert-butyl Ether	50.000	54.425	-8.8	121	-0.02
20	T	Methylene Chloride	50.000	53.106	-6.2	121	-0.02
21	T	trans-1,2-Dichloroethene	50.000	50.500	-1.0	114	-0.02
22	T	Diisopropyl ether	50.000	52.077	-4.2	117	-0.01
23	T	Vinyl Acetate	250.000	274.804	-9.9	118	-0.02
24	P	1,1-Dichloroethane	50.000	50.540	-1.1	116	-0.02
25	T	2-Butanone	250.000	296.131	-18.5	120	-0.02
26	T	2,2-Dichloropropane	50.000	48.926	2.1	113	-0.02
27	T	cis-1,2-Dichloroethene	50.000	52.447	-4.9	119	-0.01
28	T	Bromochloromethane	50.000	52.693	-5.4	111	-0.01
29	T	Tetrahydrofuran	250.000	284.366	-13.7	120	-0.02
30	C	Chloroform	50.000	50.466	-0.9#	117	-0.01
31	T	Cyclohexane	50.000	44.200	11.6	101	-0.01
32	T	1,1,1-Trichloroethane	50.000	47.985	4.0	110	-0.02
33	S	1,2-Dichloroethane-d4	50.000	56.009	-12.0	116	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	118	0.00
35	S	Dibromofluoromethane	50.000	55.745	-11.5	119	-0.02
36	T	1,1-Dichloropropene	50.000	46.591	6.8	106	-0.01
37	T	Ethyl Acetate	50.000	56.358	-12.7	127	-0.02
38	T	Carbon Tetrachloride	50.000	46.382	7.2	107	-0.01
39	T	Methylcyclohexane	50.000	45.610	8.8	102	-0.01
40	TM	Benzene	50.000	49.032	1.9	114	-0.01
41	T	Methacrylonitrile	50.000	54.473	-8.9	115	-0.01
42	TM	1,2-Dichloroethane	50.000	51.259	-2.5	116	-0.01
43	T	Isopropyl Acetate	50.000	54.250	-8.5	120	-0.01
44	TM	Trichloroethene	50.000	48.999	2.0	115	0.00
45	C	1,2-Dichloropropane	50.000	49.616	0.8#	119	0.00
46	T	Dibromomethane	50.000	53.043	-6.1	123	0.00
47	T	Bromodichloromethane	50.000	50.369	-0.7	119	-0.01
48	T	Methyl methacrylate	50.000	55.294	-10.6	122	-0.01

Sample Results: **VY020560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020560.D
Acq On : 10 Dec 2024 10:42
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 11 00:44:54 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

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	1260.209	-26.0#	136	-0.02
50	S	Toluene-d8	50.000	53.688	-7.4	115	-0.01
51	T	4-Methyl-2-Pentanone	250.000	281.217	-12.5	123	-0.01
52	CM	Toluene	50.000	49.200	1.6#	114	0.00
53	T	t-1,3-Dichloropropene	50.000	52.499	-5.0	120	-0.01
54	T	cis-1,3-Dichloropropene	50.000	51.944	-3.9	119	-0.01
55	T	1,1,2-Trichloroethane	50.000	52.773	-5.5	122	0.00
56	T	Ethyl methacrylate	50.000	56.266	-12.5	123	0.00
57	T	1,3-Dichloropropane	50.000	52.190	-4.4	120	-0.01
58	T	2-Chloroethyl Vinyl ether	250.000	298.396	-19.4	113	-0.01
59	T	2-Hexanone	250.000	284.373	-13.7	118	-0.01
60	T	Dibromochloromethane	50.000	53.001	-6.0	121	-0.01
61	T	1,2-Dibromoethane	50.000	53.031	-6.1	122	-0.01
62	S	4-Bromofluorobenzene	50.000	54.879	-9.8	120	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	121	-0.01
64	T	Tetrachloroethene	50.000	45.220	9.6	110	0.00
65	PM	Chlorobenzene	50.000	47.899	4.2	118	-0.01
66	T	1,1,1,2-Tetrachloroethane	50.000	48.452	3.1	120	-0.01
67	C	Ethyl Benzene	50.000	46.819	6.4#	114	0.00
68	T	m/p-Xylenes	100.000	94.993	5.0	117	0.00
69	T	o-Xylene	50.000	47.994	4.0	116	-0.01
70	T	Styrene	50.000	48.795	2.4	118	0.00
71	P	Bromoform	50.000	52.434	-4.9	125	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	122	0.00
73	T	Isopropylbenzene	50.000	44.436	11.1	115	0.00
74	T	N-amyl acetate	50.000	52.004	-4.0	121	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.846	0.3	124	0.00
76	T	1,2,3-Trichloropropane	50.000	49.076	1.8	145	0.00
77	T	Bromobenzene	50.000	46.869	6.3	119	-0.01
78	T	n-propylbenzene	50.000	44.446	11.1	114	0.00
79	T	2-Chlorotoluene	50.000	45.435	9.1	118	0.00
80	T	1,3,5-Trimethylbenzene	50.000	45.063	9.9	115	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.901	-1.8	123	0.00
82	T	4-Chlorotoluene	50.000	45.919	8.2	118	0.00
83	T	tert-Butylbenzene	50.000	45.432	9.1	118	0.00
84	T	1,2,4-Trimethylbenzene	50.000	45.718	8.6	117	0.00
85	T	sec-Butylbenzene	50.000	44.637	10.7	115	0.00
86	T	p-Isopropyltoluene	50.000	45.273	9.5	116	0.00
87	T	1,3-Dichlorobenzene	50.000	47.459	5.1	121	-0.01
88	T	1,4-Dichlorobenzene	50.000	47.650	4.7	122	-0.01
89	T	n-Butylbenzene	50.000	45.633	8.7	116	-0.01
90	T	Hexachloroethane	50.000	46.481	7.0	121	0.00
91	T	1,2-Dichlorobenzene	50.000	48.184	3.6	122	-0.01
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.929	-1.9	121	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.102	-0.2	123	-0.01
94	T	Hexachlorobutadiene	50.000	48.076	3.8	117	0.00
95	T	Naphthalene	50.000	54.213	-8.4	123	0.00

Sample Results: **VY020560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020560.D
Acq On : 10 Dec 2024 10:42
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 11 00:44:54 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

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.368	-2.7	123	-0.01

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

QC SAMPLE DATA

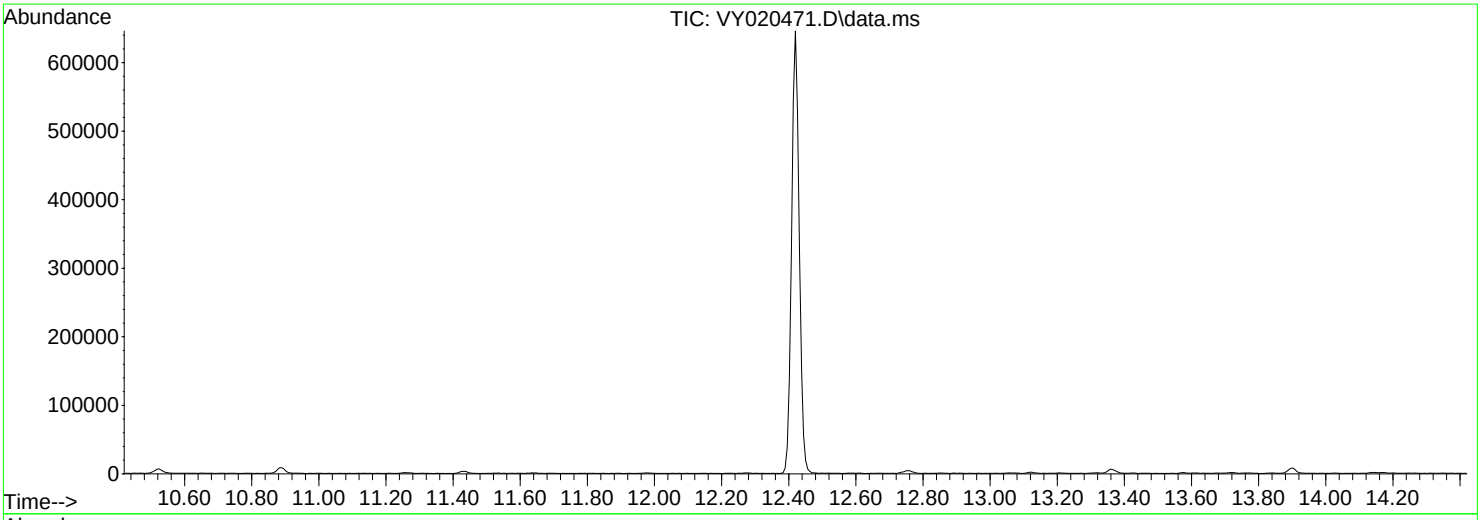
Sample Results: **VY020471.D**

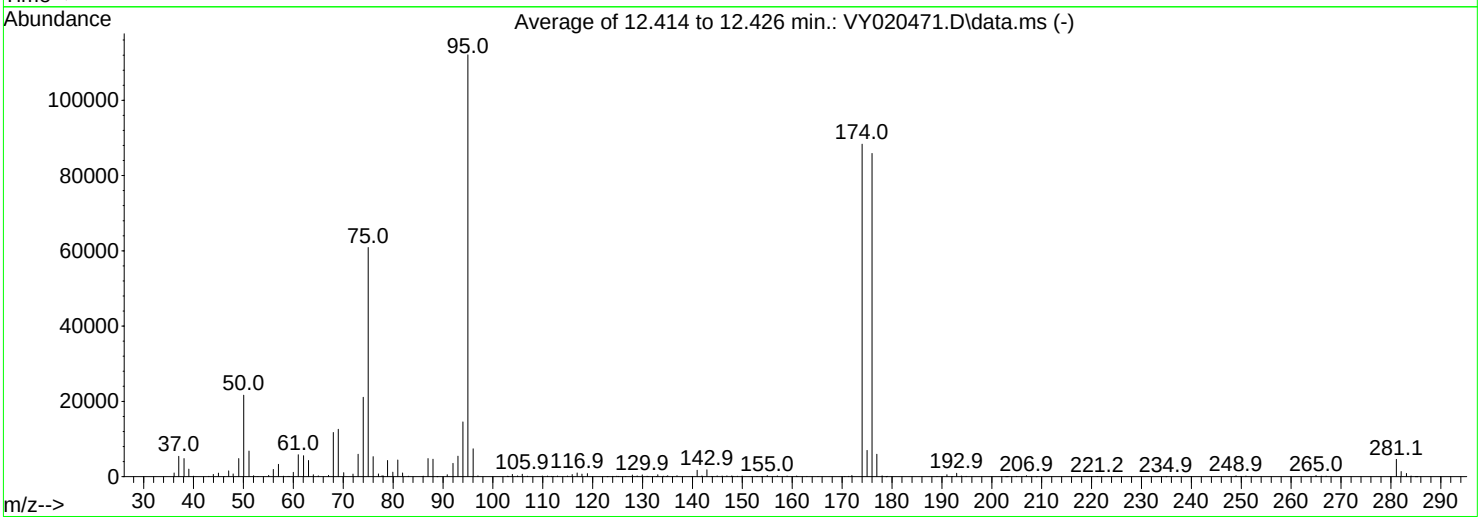
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
Data File : VY020471.D
Acq On : 02 Dec 2024 08:23
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

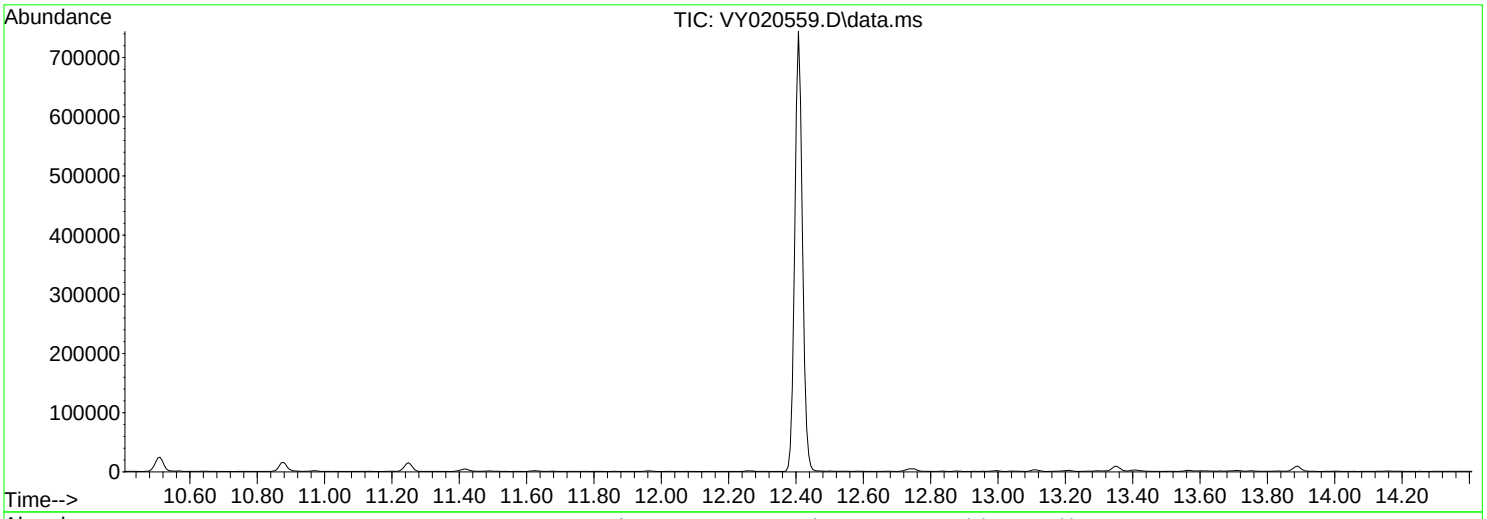
Sample Results: **VY020559.D**

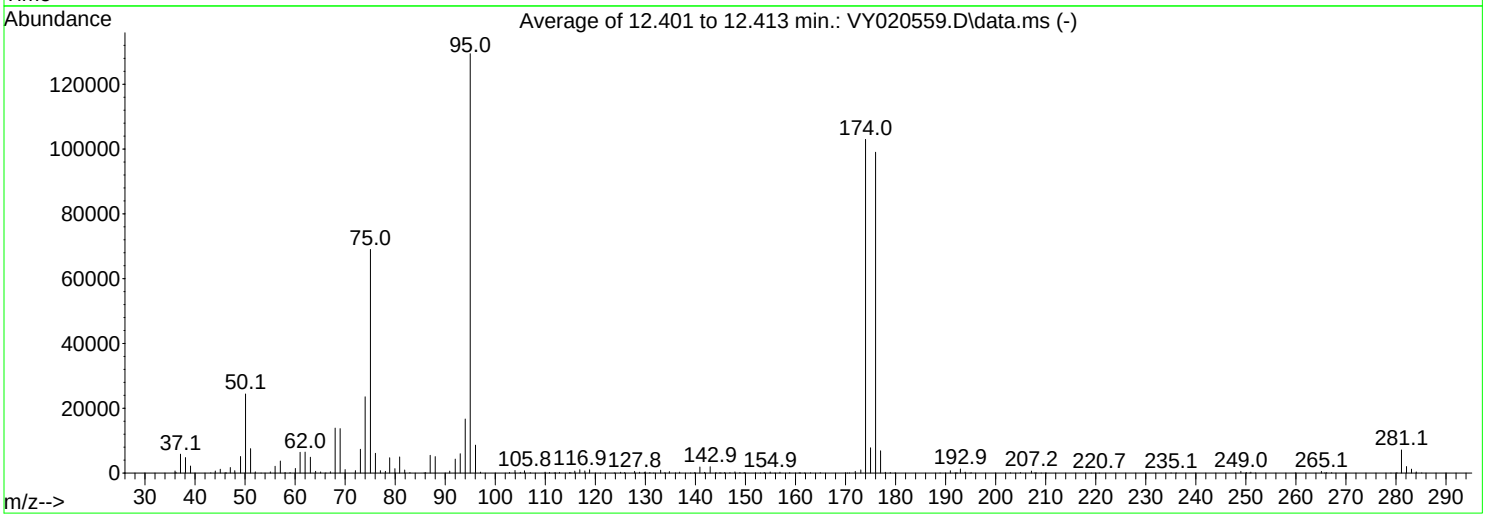
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020559.D
Acq On : 10 Dec 2024 08:57
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	24419	PASS
75	95	30	60	53.3	69019	PASS
95	95	100	100	100.0	129424	PASS
96	95	5	9	6.7	8631	PASS
173	174	0.00	2	0.9	976	PASS
174	95	50	100	79.6	102992	PASS
175	174	5	9	7.6	7803	PASS
176	174	95	101	96.2	99027	PASS
177	176	5	9	6.9	6876	PASS

Raw Data: **VY020561.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	
Client Sample ID:	VY1210SBL01	SDG No.:	P5194
Lab Sample ID:	VY1210SBL01	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
VY020561.D	1		12/10/24 11:19	VY121024

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

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	
Client Sample ID:	VY1210SBL01	SDG No.:	P5194
Lab Sample ID:	VY1210SBL01	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
VY020561.D	1		12/10/24 11:19	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		50 - 163	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		54 - 147	97%	SPK: 50
2037-26-5	Toluene-d8	49.9		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		29 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	7.707			
540-36-3	1,4-Difluorobenzene	303000	8.616			
3114-55-4	Chlorobenzene-d5	251000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	97000	13.347			

Raw Data: **VY020561.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	
Client Sample ID:	VY1210SBL01	SDG No.:	P5194
Lab Sample ID:	VY1210SBL01	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
VY020561.D	1		12/10/24 11:19	VY121024

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\VY121024\
Data File : VY020561.D
Acq On : 10 Dec 2024 11:19
Operator : SY/MD
Sample : VY1210SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1210SBL01

Quant Time: Dec 11 00:45:53 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

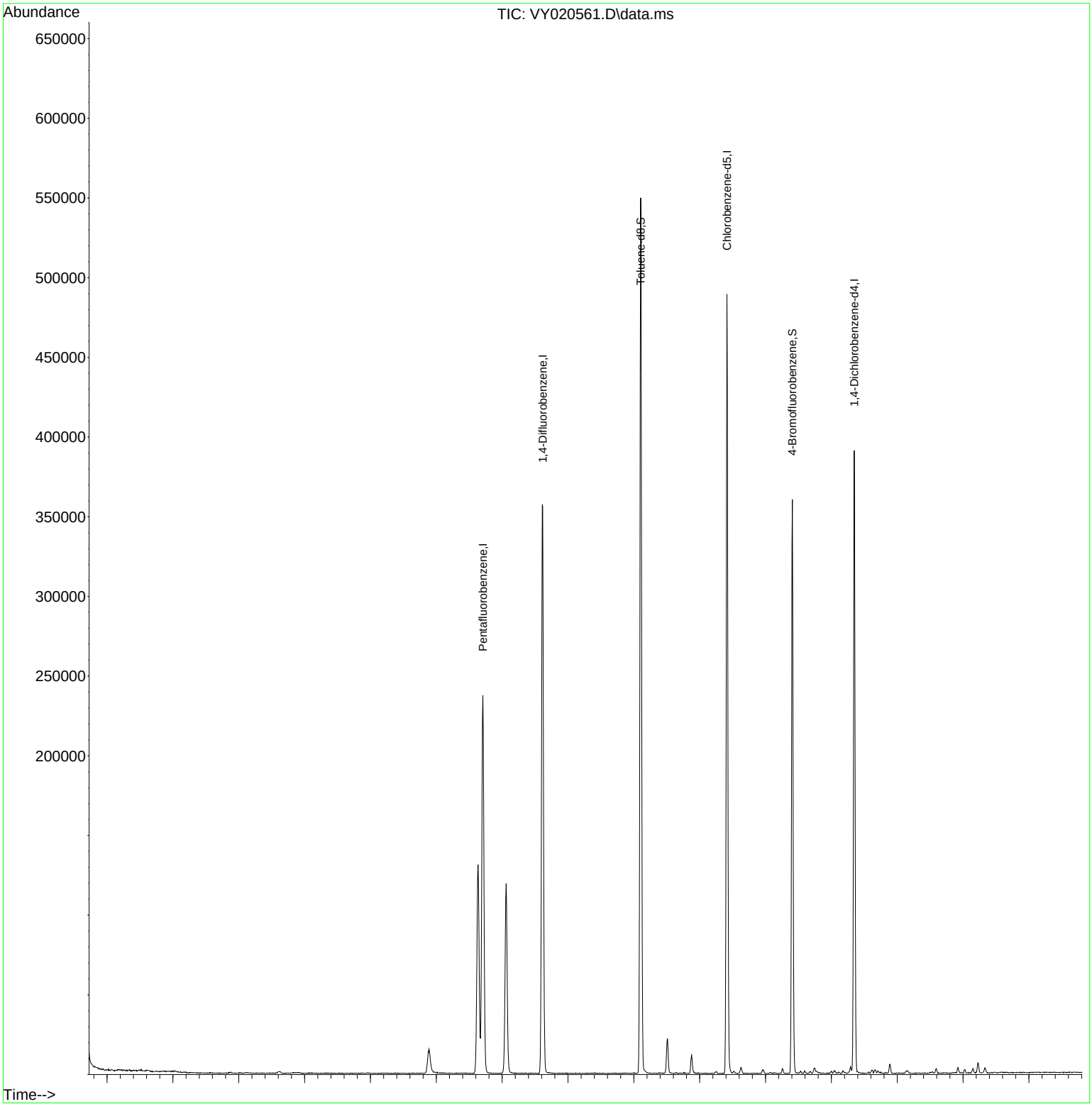
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	179482	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	302822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	250929	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	97035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	94605	51.828	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.660%			
35) Dibromofluoromethane	7.634	113	92925	48.744	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.480%			
50) Toluene-d8	10.103	98	362223	49.898	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.800%			
62) 4-Bromofluorobenzene	12.408	95	108834	42.867	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 85.740%			
Target Compounds						Qvalue

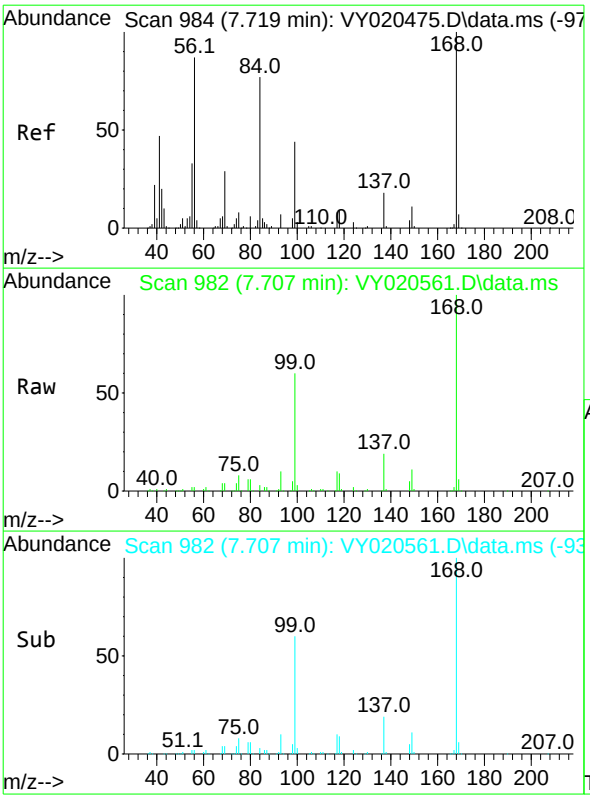
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020561.D
Acq On : 10 Dec 2024 11:19
Operator : SY/MD
Sample : VY1210SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1210SBL01

Quant Time: Dec 11 00:45:53 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



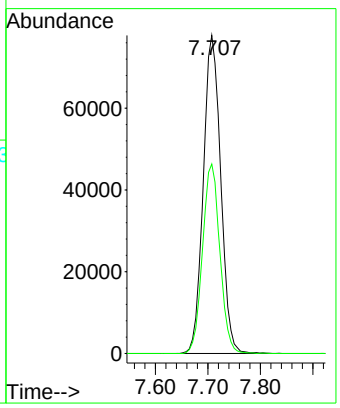


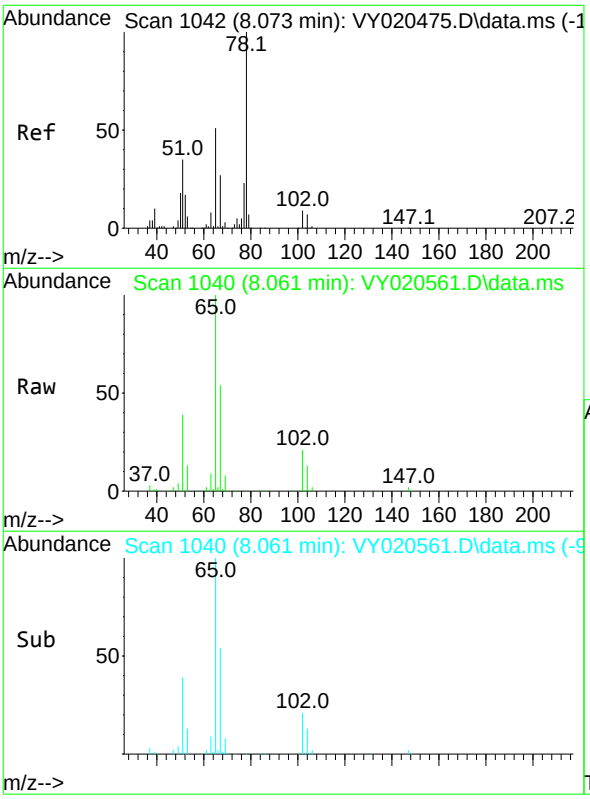
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020561.D
Acq: 10 Dec 2024 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY1210SBL01

Tgt Ion:168 Resp: 179482

Ion	Ratio	Lower	Upper
168	100		
99	59.6	46.6	69.8

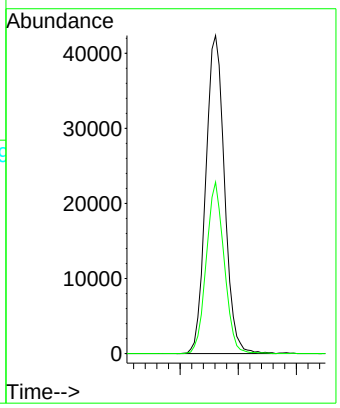


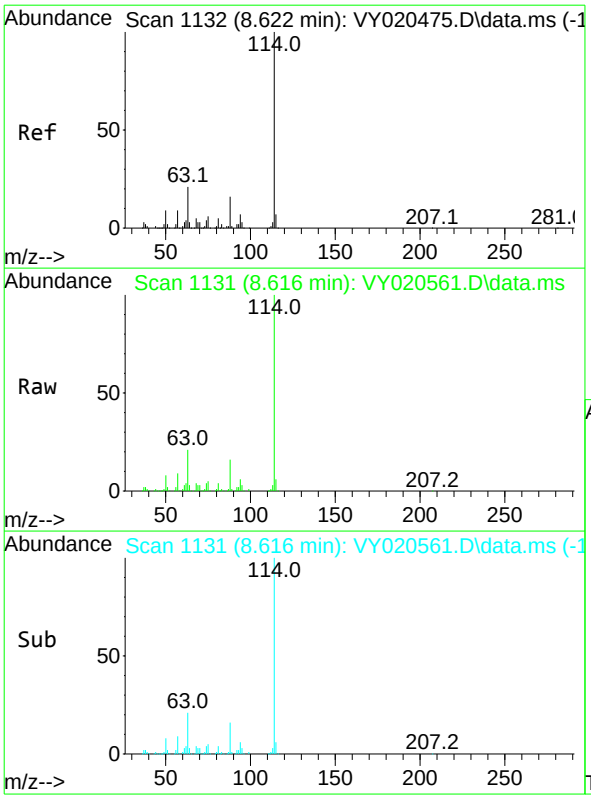


#33
1,2-Dichloroethane-d4
Concen: 51.828 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020561.D
Acq: 10 Dec 2024 11:19

Tgt Ion: 65 Resp: 94605

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.8



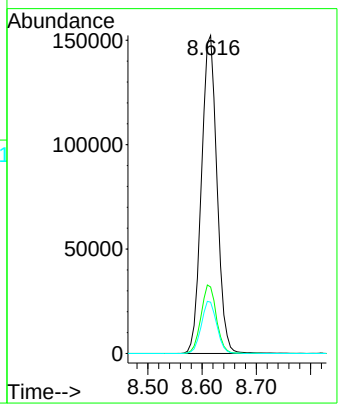


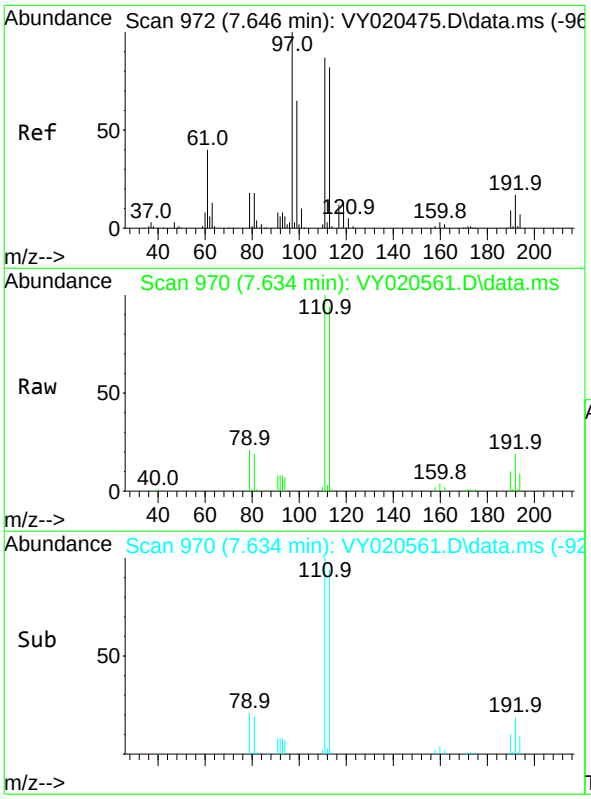
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020561.D
Acq: 10 Dec 2024 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY1210SBL01

Tgt Ion:114 Resp: 302822

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	44.8
88	16.1	0.0	32.0

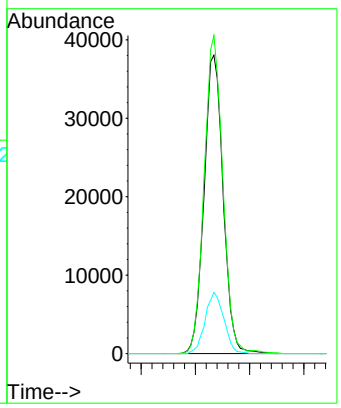


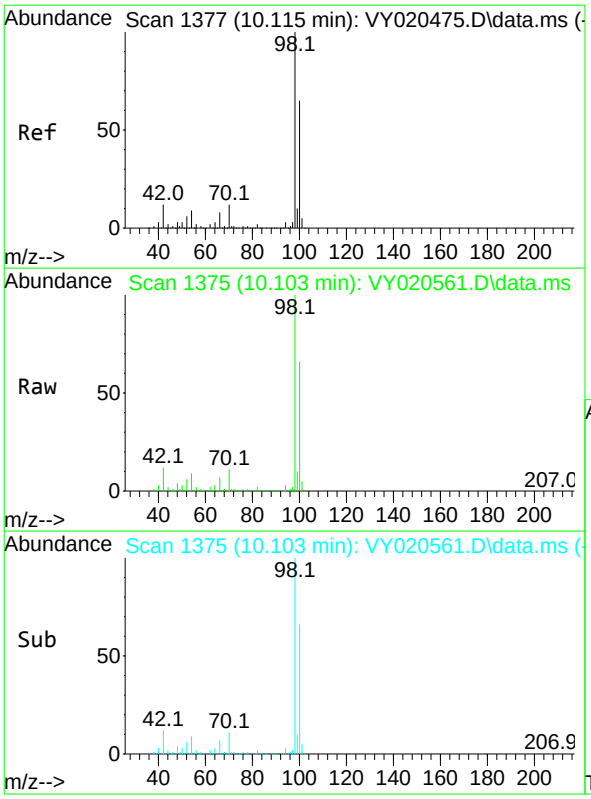


#35
Dibromofluoromethane
Concen: 48.744 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.012 min
Lab File: VY020561.D
Acq: 10 Dec 2024 11:19

Tgt Ion:113 Resp: 92925

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.4	122.0
192	20.2	15.1	22.7



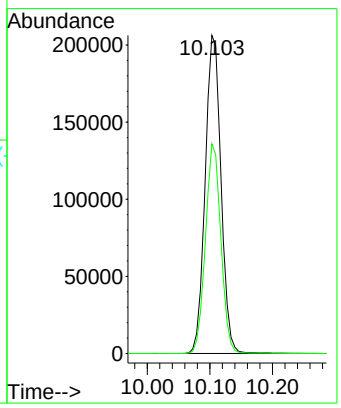


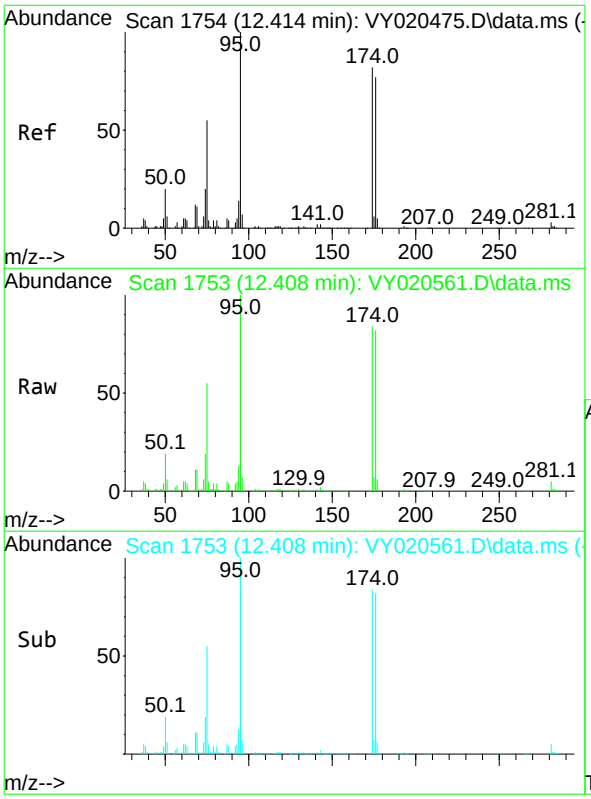
#50
Toluene-d8
Concen: 49.898 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.012 min
Lab File: VY020561.D
Acq: 10 Dec 2024 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY1210SBL01

Tgt Ion: 98 Resp: 362223

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.3	76.9

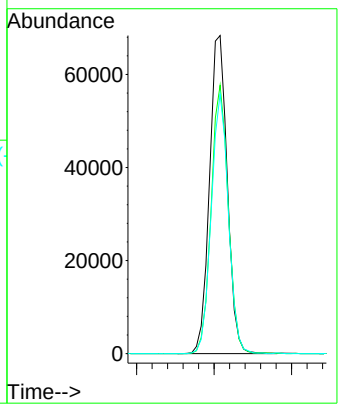


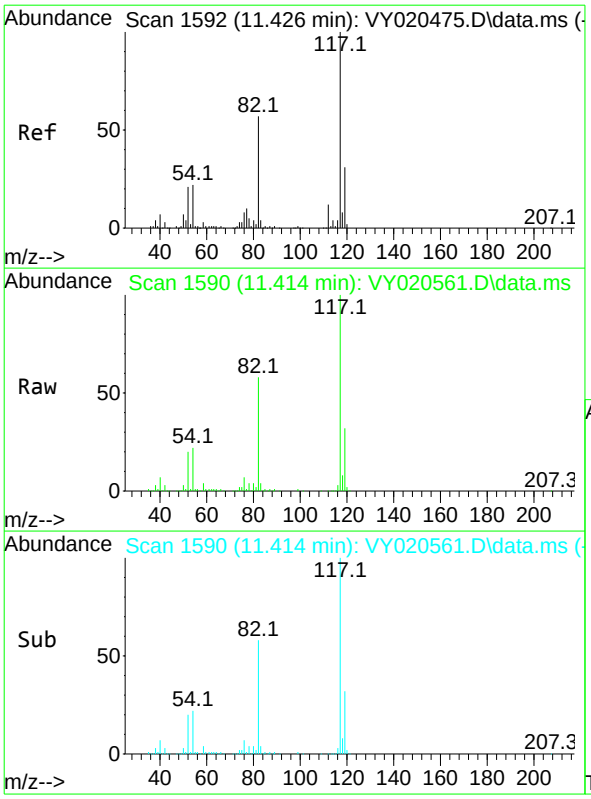


#62
4-Bromofluorobenzene
Concen: 42.867 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020561.D
Acq: 10 Dec 2024 11:19

Tgt Ion: 95 Resp: 108834

Ion	Ratio	Lower	Upper
95	100		
174	81.2	0.0	156.8
176	78.5	0.0	152.0



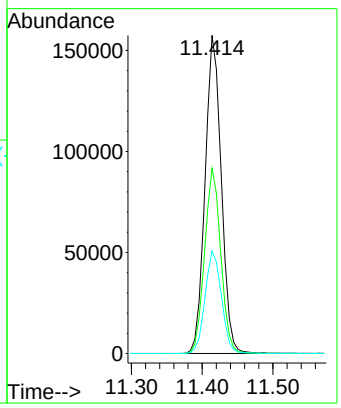


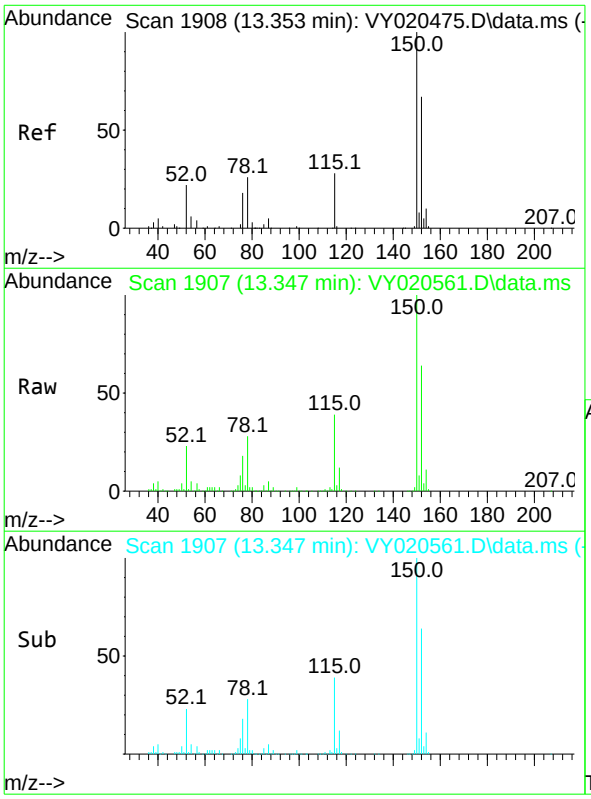
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.012 min
Lab File: VY020561.D
Acq: 10 Dec 2024 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY1210SBL01

Tgt Ion:117 Resp: 250929

Ion	Ratio	Lower	Upper
117	100		
82	58.2	48.2	72.4
119	32.2	25.8	38.8

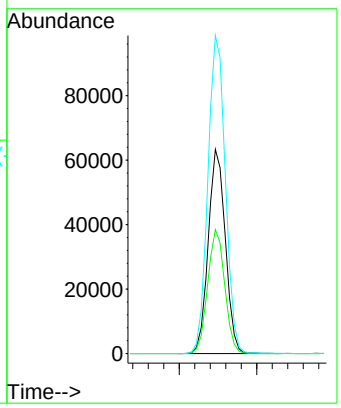




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY020561.D
Acq: 10 Dec 2024 11:19

Tgt Ion:152 Resp: 97035

Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.0	90.0
150	159.1	0.0	348.2



LSC Area Percent Report

Sample Results: **VY020561.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020561.D
Acq On : 10 Dec 2024 11:19
Operator : SY/MD
Sample : VY1210SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1210SBL01

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: VY020561.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	834	848	860	rBV	15217	48021	5.01%	0.984%
2	7.634	959	970	976	rBV	131071	319066	33.29%	6.537%
3	7.707	976	982	997	rVB	237104	536629	55.98%	10.995%
4	8.061	1030	1040	1051	rBV	118762	262020	27.34%	5.368%
5	8.610	1121	1130	1144	rBV	356995	718228	74.93%	14.715%
6	10.103	1367	1375	1391	rBV	549302	958523	100.00%	19.638%
7	10.512	1433	1442	1450	rBV	21525	40426	4.22%	0.828%
8	10.878	1496	1502	1511	rBV	11336	19812	2.07%	0.406%
9	11.414	1582	1590	1603	rBV	489112	791262	82.55%	16.212%
10	12.408	1745	1753	1764	rBV	360152	575464	60.04%	11.790%
11	13.347	1901	1907	1914	rVB	389944	601660	62.77%	12.327%
12	15.224	2211	2215	2220	rVB2	6133	9756	1.02%	0.200%

Sum of corrected areas: 4880867

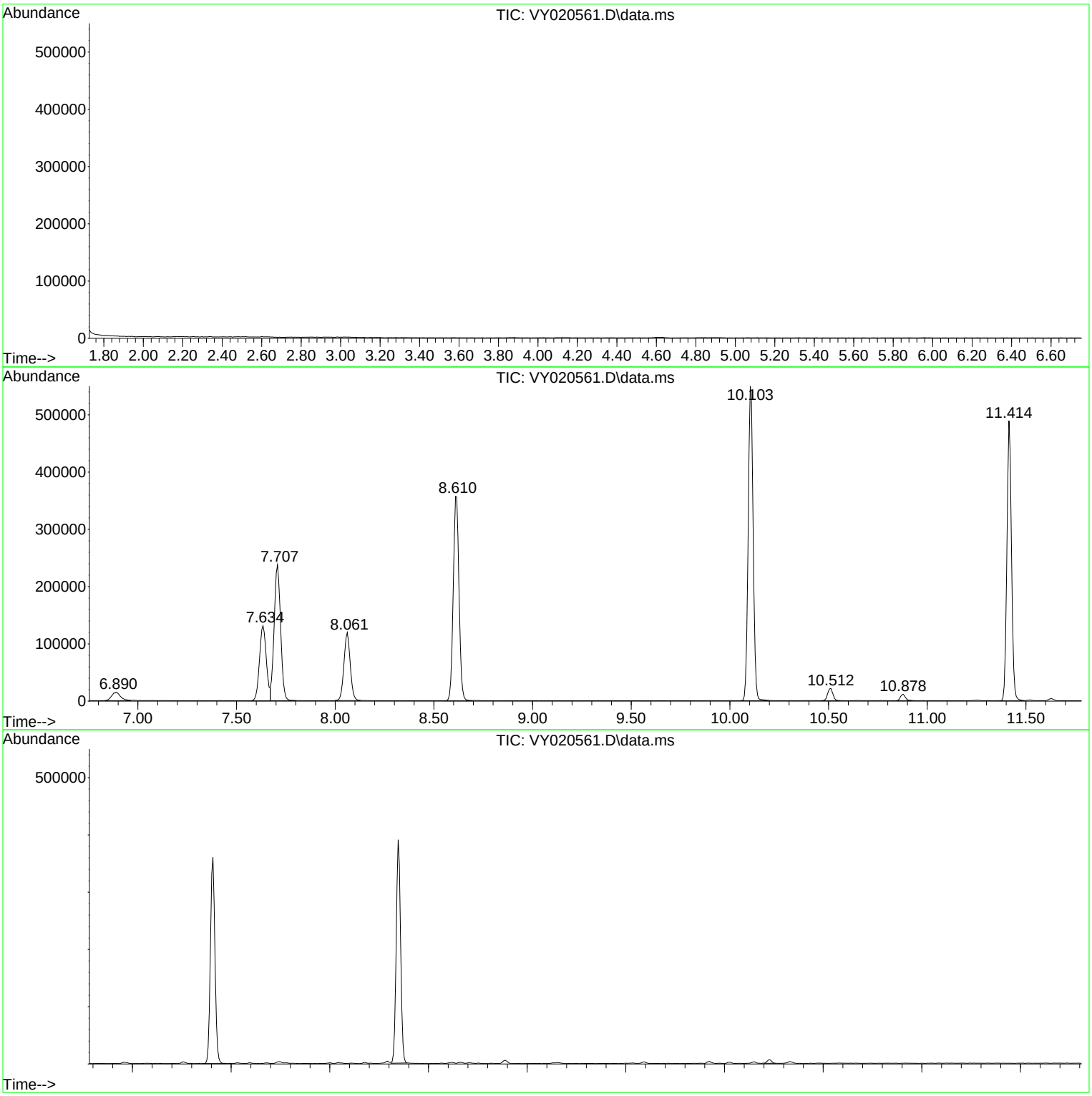
Sample Results: **VY020561.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020561.D
Acq On : 10 Dec 2024 11:19
Operator : SY/MD
Sample : VY1210SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1210SBL01

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: **VY020561.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020561.D
Acq On : 10 Dec 2024 11:19
Operator : SY/MD
Sample : VY1210SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1210SBL01

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\VY121024\
Data File : VY020561.D
Acq On : 10 Dec 2024 11:19
Operator : SY/MD
Sample : VY1210SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1210SBL01

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: **VY020562.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	
Client Sample ID:	VY1210SBS01	SDG No.:	P5194
Lab Sample ID:	VY1210SBS01	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
VY020562.D	1		12/10/24 11:54	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.5		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.4		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.6		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.7		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		0.78	5.00	ug/Kg
67-64-1	Acetone	130		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.1		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	24.0		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	26.2		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	23.1		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.2		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.5		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.9		0.69	5.00	ug/Kg
78-93-3	2-Butanone	130		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.5		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22.3		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	22.7		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.1		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.7		0.87	5.00	ug/Kg
71-43-2	Benzene	21.1		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.7		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	21.4		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.7		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	23.0		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	130		4.40	25.0	ug/Kg
108-88-3	Toluene	21.7		0.67	5.00	ug/Kg

Raw Data: **VY020562.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	
Client Sample ID:	VY1210SBS01	SDG No.:	P5194
Lab Sample ID:	VY1210SBS01	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
VY020562.D	1		12/10/24 11:54	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	22.8		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.8		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	24.7		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	130		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	23.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	24.0		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.2		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	21.7		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.2		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.5		1.40	10.0	ug/Kg
95-47-6	o-Xylene	22.0		0.70	5.00	ug/Kg
100-42-5	Styrene	22.4		0.60	5.00	ug/Kg
75-25-2	Bromoform	24.5		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.3		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.3		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.4		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.5		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	22.9		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	23.7		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.8		50 - 163	110%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		54 - 147	108%	SPK: 50
2037-26-5	Toluene-d8	52.5		58 - 134	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		29 - 146	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	155000	7.707			
540-36-3	1,4-Difluorobenzene	247000	8.61			
3114-55-4	Chlorobenzene-d5	210000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	108000	13.346			

Raw Data: **VY020562.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	
Client Sample ID:	VY1210SBS01	SDG No.:	P5194
Lab Sample ID:	VY1210SBS01	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
VY020562.D	1		12/10/24 11:54	VY121024

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\VY121024\
Data File : VY020562.D
Acq On : 10 Dec 2024 11:54
Operator : SY/MD
Sample : VY1210SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 11 00:46:15 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 :
VY1210SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	155321	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	247103	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	209823	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	107923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	86519	54.771	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.540%			
35) Dibromofluoromethane	7.634	113	84373	54.237	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.480%			
50) Toluene-d8	10.103	98	310958	52.495	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.980%			
62) 4-Bromofluorobenzene	12.402	95	113971	55.012	ug/l	-0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 110.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	28046	18.511	ug/l	97
3) Chloromethane	2.068	50	28247	18.414	ug/l	98
4) Vinyl Chloride	2.202	62	29142	18.632	ug/l	98
5) Bromomethane	2.592	94	18096	19.719	ug/l	96
6) Chloroethane	2.733	64	18251	19.039	ug/l	97
7) Trichlorofluoromethane	3.056	101	58141	19.848	ug/l	100
8) Diethyl Ether	3.452	74	18994	22.885	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.812	101	35671	20.899	ug/l	96
10) Methyl Iodide	4.001	142	39073	20.392	ug/l	96
11) Tert butyl alcohol	4.860	59	18212	177.730	ug/l	96
12) 1,1-Dichloroethene	3.787	96	32441	20.120	ug/l	93
13) Acrolein	3.647	56	11146	116.178	ug/l	100
14) Allyl chloride	4.379	41	59336	20.634	ug/l	96
15) Acrylonitrile	5.049	53	44932	129.930	ug/l	99
16) Acetone	3.866	43	50205	127.821	ug/l	98
17) Carbon Disulfide	4.104	76	79124	17.146	ug/l	99
18) Methyl Acetate	4.385	43	21864	26.190	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	98765	23.986	ug/l	99
20) Methylene Chloride	4.610	84	38547	23.070	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	36223	20.227	ug/l	96
22) Diisopropyl ether	6.019	45	133555	23.356	ug/l	96
23) Vinyl Acetate	5.958	43	361825	119.627	ug/l	98
24) 1,1-Dichloroethane	5.909	63	77336	22.464	ug/l	99
25) 2-Butanone	6.890	43	66084	133.241	ug/l	98
26) 2,2-Dichloropropane	6.884	77	71109	21.838	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	46644	22.306	ug/l	97
28) Bromochloromethane	7.244	49	26890	20.916	ug/l	91
29) Tetrahydrofuran	7.256	42	36473	128.904	ug/l	97
30) Chloroform	7.421	83	80124	22.677	ug/l	97
31) Cyclohexane	7.695	56	58812	18.896	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	71911	21.137	ug/l	96
36) 1,1-Dichloropropene	7.835	75	52156	19.854	ug/l	97
37) Ethyl Acetate	6.976	43	25922	24.907	ug/l	96
38) Carbon Tetrachloride	7.811	117	64251	20.492	ug/l	99
39) Methylcyclohexane	9.103	83	61008	18.715	ug/l	99
40) Benzene	8.079	78	163562	21.117	ug/l	99

Sample Results: **VY020562.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020562.D
Acq On : 10 Dec 2024 11:54
Operator : SY/MD
Sample : VY1210SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 11 00:46:15 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 :
VY1210SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	16455	27.812	ug/l	#	85
42) 1,2-Dichloroethane	8.152	62	46231	22.716	ug/l		99
43) Isopropyl Acetate	8.195	43	52277	24.875	ug/l		98
44) Trichloroethene	8.866	130	40861	21.400	ug/l		95
45) 1,2-Dichloropropane	9.140	63	41120	22.687	ug/l		100
46) Dibromomethane	9.231	93	21555	24.019	ug/l		97
47) Bromodichloromethane	9.420	83	60850	23.014	ug/l		100
48) Methyl methacrylate	9.219	41	23202	23.676	ug/l		94
49) 1,4-Dioxane	9.225	88	4933	575.079	ug/l		92
51) 4-Methyl-2-Pentanone	9.993	43	136105	131.139	ug/l		98
52) Toluene	10.170	92	105037	21.735	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	54073	22.780	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	63848	22.760	ug/l		95
55) 1,1,2-Trichloroethane	10.566	97	29585	24.714	ug/l		98
56) Ethyl methacrylate	10.438	69	41211	24.330	ug/l		93
57) 1,3-Dichloropropane	10.713	76	51060	23.819	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	83421	105.188	ug/l		97
59) 2-Hexanone	10.755	43	95309	127.295	ug/l		95
60) Dibromochloromethane	10.908	129	39760	23.856	ug/l		99
61) 1,2-Dibromoethane	11.012	107	26282	24.008	ug/l		98
64) Tetrachloroethene	10.646	164	35792	20.188	ug/l		97
65) Chlorobenzene	11.438	112	114212	21.716	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	41635	22.322	ug/l		99
67) Ethyl Benzene	11.518	91	209383	21.240	ug/l		99
68) m/p-Xylenes	11.627	106	153544	42.535	ug/l		99
69) o-Xylene	11.950	106	74441	22.012	ug/l		99
70) Styrene	11.969	104	126457	22.413	ug/l		99
71) Bromoform	12.133	173	23219	24.485	ug/l	#	98
73) Isopropylbenzene	12.255	105	201864	19.332	ug/l		99
74) N-amyl acetate	12.066	43	44793	21.886	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33205	22.112	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	22580m	20.539	ug/l		
77) Bromobenzene	12.530	156	44468	20.564	ug/l		98
78) n-propylbenzene	12.591	91	240435	19.448	ug/l		99
79) 2-Chlorotoluene	12.676	91	137342	19.687	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	166434	19.889	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	11834	22.086	ug/l		97
82) 4-Chlorotoluene	12.773	91	144042	20.233	ug/l		100
83) tert-Butylbenzene	12.999	119	153237	20.255	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	165793	20.384	ug/l		100
85) sec-Butylbenzene	13.176	105	217615	20.071	ug/l		100
86) p-Isopropyltoluene	13.292	119	182330	20.350	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	88641	21.255	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	87476	21.426	ug/l		99
89) n-Butylbenzene	13.615	91	168856	20.320	ug/l		98
90) Hexachloroethane	13.877	117	35313	20.224	ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	75978	21.483	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4952	21.783	ug/l		94
93) 1,2,4-Trichlorobenzene	14.925	180	45489	22.874	ug/l		98
94) Hexachlorobutadiene	15.023	225	30526	21.941	ug/l		97
95) Naphthalene	15.145	128	74821	23.250	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	38004	23.683	ug/l		99

Sample Results: **VY020562.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020562.D
Acq On : 10 Dec 2024 11:54
Operator : SY/MD
Sample : VY1210SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 11 00:46:15 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 :
VY1210SBS01

Manual Integrations APPROVED

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

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

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

Sample Results: **VY020562.D**

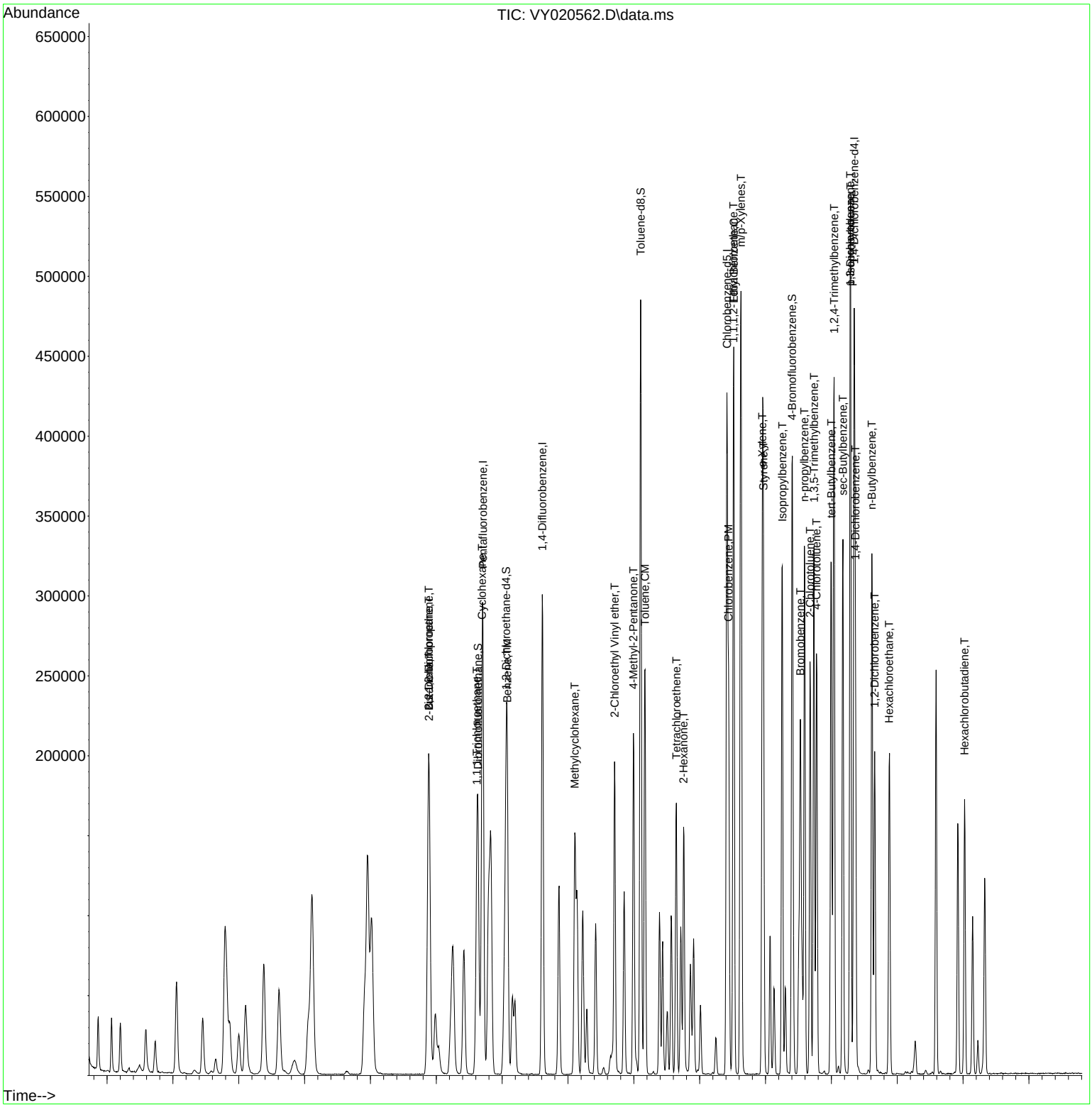
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020562.D
Acq On : 10 Dec 2024 11:54
Operator : SY/MD
Sample : VY1210SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 11 00:46:15 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 :
VY1210SBS01

Manual Integrations APPROVED

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



Raw Data: **VY020563.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	
Client Sample ID:	VY1210SBSD01	SDG No.:	P5194
Lab Sample ID:	VY1210SBSD01	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
VY020563.D	1		12/10/24 12:17	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	16.2		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	16.3		0.77	5.00	ug/Kg
74-83-9	Bromomethane	17.6		1.00	5.00	ug/Kg
75-00-3	Chloroethane	17.7		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	17.7		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.1		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	15.1		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.5		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	23.5		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.6		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.6		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	16.9		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.0		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.1		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	18.7		2.40	5.00	ug/Kg
67-66-3	Chloroform	19.6		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	18.7		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	16.6		0.87	5.00	ug/Kg
71-43-2	Benzene	18.8		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.0		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.2		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.4		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.0		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	19.3		0.67	5.00	ug/Kg

Raw Data: **VY020563.D**

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Fax : 908 789 8922

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	
Client Sample ID:	VY1210SBSD01	SDG No.:	P5194
Lab Sample ID:	VY1210SBSD01	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
VY020563.D	1		12/10/24 12:17	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.1		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.1		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.8		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.5		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.4		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.4		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.9		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.3		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.70	5.00	ug/Kg
100-42-5	Styrene	20.0		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.9		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.6		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.7		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.6		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.0		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.5		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	22.6		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		50 - 163	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		54 - 147	98%	SPK: 50
2037-26-5	Toluene-d8	47.8		58 - 134	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		29 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	166000	7.707			
540-36-3	1,4-Difluorobenzene	267000	8.61			
3114-55-4	Chlorobenzene-d5	224000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	112000	13.347			

Raw Data: **VY020563.D**

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	
Client Sample ID:	VY1210SBSD01	SDG No.:	P5194
Lab Sample ID:	VY1210SBSD01	Matrix:	SOIL
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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
VY020563.D	1		12/10/24 12:17	VY121024

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\VY121024\
Data File : VY020563.D
Acq On : 10 Dec 2024 12:17
Operator : SY/MD
Sample : VY1210SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 11 00:47:17 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 :
VY1210SBSD01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	165679	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	267297	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	223946	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	111842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84570	50.190	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.380%			
35) Dibromofluoromethane	7.634	113	82702	49.147	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.300%			
50) Toluene-d8	10.103	98	306158	47.780	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.560%			
62) 4-Bromofluorobenzene	12.402	95	108196	48.279	ug/l	-0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	26155	16.184	ug/l	99
3) Chloromethane	2.068	50	26433	16.154	ug/l	97
4) Vinyl Chloride	2.202	62	27261	16.340	ug/l	95
5) Bromomethane	2.586	94	17256	17.628	ug/l	98
6) Chloroethane	2.726	64	18138	17.738	ug/l	99
7) Trichlorofluoromethane	3.056	101	55308	17.700	ug/l	99
8) Diethyl Ether	3.452	74	17773	20.075	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.812	101	33941	18.642	ug/l	96
10) Methyl Iodide	4.001	142	37678	18.435	ug/l	98
11) Tert butyl alcohol	4.854	59	17516	160.251	ug/l #	94
12) 1,1-Dichloroethene	3.781	96	31191	18.136	ug/l	92
13) Acrolein	3.647	56	11123	108.690	ug/l	99
14) Allyl chloride	4.379	41	57426	18.721	ug/l	94
15) Acrylonitrile	5.055	53	41353	112.104	ug/l	99
16) Acetone	3.866	43	45574	108.777	ug/l	96
17) Carbon Disulfide	4.098	76	74144	15.063	ug/l	98
18) Methyl Acetate	4.385	43	20922	23.495	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	94493	21.514	ug/l	99
20) Methylene Chloride	4.610	84	36725	20.606	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	35593	18.632	ug/l	98
22) Diisopropyl ether	6.019	45	125309	20.543	ug/l	98
23) Vinyl Acetate	5.958	43	338395	104.886	ug/l	99
24) 1,1-Dichloroethane	5.915	63	71887	19.576	ug/l	99
25) 2-Butanone	6.890	43	60288	113.956	ug/l	100
26) 2,2-Dichloropropane	6.884	77	67110	19.322	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	44915	20.136	ug/l	97
28) Bromochloromethane	7.244	49	25709	18.747	ug/l	93
29) Tetrahydrofuran	7.262	42	33924	112.400	ug/l	96
30) Chloroform	7.415	83	73968	19.626	ug/l	100
31) Cyclohexane	7.701	56	56061	16.886	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	67959	18.726	ug/l	98
36) 1,1-Dichloropropene	7.835	75	51078	17.974	ug/l	98
37) Ethyl Acetate	6.982	43	24621	21.870	ug/l #	96
38) Carbon Tetrachloride	7.817	117	61004	17.987	ug/l	99
39) Methylcyclohexane	9.103	83	58493	16.588	ug/l	96
40) Benzene	8.079	78	157760	18.829	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020563.D
Acq On : 10 Dec 2024 12:17
Operator : SY/MD
Sample : VY1210SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 11 00:47:17 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 :
VY1210SBSD01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	13580	21.219 ug/l		95
42) 1,2-Dichloroethane	8.152	62	43934	19.956 ug/l		99
43) Isopropyl Acetate	8.195	43	48623	21.388 ug/l	#	87
44) Trichloroethene	8.866	130	39586	19.166 ug/l		91
45) 1,2-Dichloropropane	9.140	63	38098	19.432 ug/l		97
46) Dibromomethane	9.225	93	20595	21.216 ug/l		99
47) Bromodichloromethane	9.420	83	57254	20.018 ug/l		99
48) Methyl methacrylate	9.219	41	21711	20.480 ug/l		96
49) 1,4-Dioxane	9.219	88	4690	505.444 ug/l		93
51) 4-Methyl-2-Pentanone	9.993	43	128530	114.485 ug/l		97
52) Toluene	10.170	92	100854	19.293 ug/l		99
53) t-1,3-Dichloropropene	10.390	75	51624	20.105 ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	60859	20.055 ug/l		93
55) 1,1,2-Trichloroethane	10.567	97	27233	21.030 ug/l		97
56) Ethyl methacrylate	10.432	69	39166	21.376 ug/l		94
57) 1,3-Dichloropropane	10.713	76	48087	20.737 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	90070	104.991 ug/l		99
59) 2-Hexanone	10.756	43	92293	113.954 ug/l		97
60) Dibromochloromethane	10.908	129	37529	20.816 ug/l		98
61) 1,2-Dibromoethane	11.012	107	25472	21.510 ug/l		99
64) Tetrachloroethene	10.646	164	34909	18.448 ug/l		91
65) Chlorobenzene	11.438	112	109147	19.444 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	39922	20.054 ug/l		97
67) Ethyl Benzene	11.518	91	198492	18.865 ug/l		98
68) m/p-Xylenes	11.627	106	147521	38.290 ug/l		99
69) o-Xylene	11.950	106	70928	19.651 ug/l		98
70) Styrene	11.969	104	120287	19.975 ug/l		99
71) Bromoform	12.127	173	22118	21.853 ug/l	#	100
73) Isopropylbenzene	12.249	105	190432	17.598 ug/l		98
74) N-amyl acetate	12.066	43	43567	20.541 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	31963	20.539 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	21104m	18.523 ug/l		
77) Bromobenzene	12.530	156	42288	18.870 ug/l		96
78) n-propylbenzene	12.591	91	230685	18.005 ug/l		98
79) 2-Chlorotoluene	12.676	91	134286	18.575 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	160596	18.519 ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	10903	19.636 ug/l		95
82) 4-Chlorotoluene	12.773	91	137337	18.615 ug/l		99
83) tert-Butylbenzene	12.993	119	139749	17.825 ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	158125	18.760 ug/l		100
85) sec-Butylbenzene	13.170	105	206411	18.370 ug/l		99
86) p-Isopropyltoluene	13.292	119	174318	18.774 ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	85227	19.720 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	82935	19.602 ug/l		99
89) n-Butylbenzene	13.615	91	161804	18.789 ug/l		99
90) Hexachloroethane	13.877	117	33984	18.781 ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	74260	20.261 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4936	20.952 ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	44244	21.468 ug/l		98
94) Hexachlorobutadiene	15.023	225	28679	19.892 ug/l		99
95) Naphthalene	15.145	128	75347	22.593 ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	37584	22.601 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020563.D
Acq On : 10 Dec 2024 12:17
Operator : SY/MD
Sample : VY1210SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1210SBSD01

Manual Integrations APPROVED

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

Quant Time: Dec 11 00:47:17 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)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020563.D
Acq On : 10 Dec 2024 12:17
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Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1210SBSD01

Manual Integrations APPROVED

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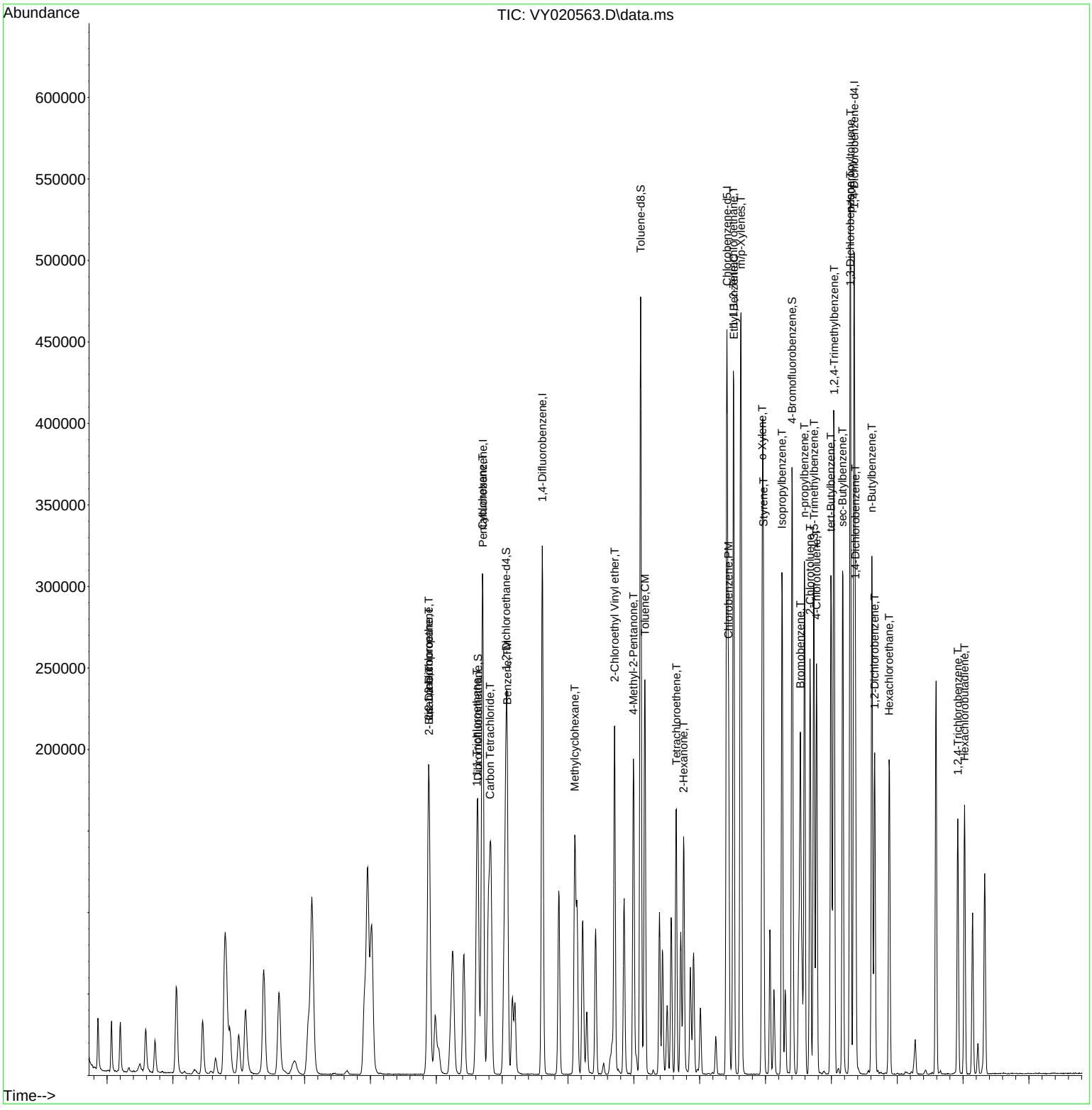

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

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:	VY121024	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020560.D	1,2,3-Trichloropropane	MMDadoda	12/11/2024 1:14:27 PM	SAM	12/11/2024 1:20:25 PM	Peak Integrated by Software
VY1210SBS01	VY020562.D	1,2,3-Trichloropropane	MMDadoda	12/11/2024 1:14:28 PM	SAM	12/11/2024 1:20:23 PM	Peak Integrated by Software
VY1210SBSD01	VY020563.D	1,2,3-Trichloropropane	MMDadoda	12/11/2024 1:14:30 PM	SAM	12/11/2024 1:20:23 PM	Peak Integrated by Software
VSTDCCC050	VY020578.D	1,2,3-Trichloropropane	MMDadoda	12/11/2024 1:14:35 PM	SAM	12/11/2024 1:20:22 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # 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 # VY121024

Review By	Mahesh Dadoda	Review On	12/11/2024 1:14:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/11/2024 1:20:31 PM		
SubDirectory	VY121024	HP Acquire Method		HP Processing Method	82y120224s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132051
Initial Calibration Stds	
CCC	VP132052,VP132053
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	VY020559.D	10 Dec 2024 08:57	SY/MD	Ok
2	VSTDCCC050	VY020560.D	10 Dec 2024 10:42	SY/MD	Ok,M
3	VY1210SBL01	VY020561.D	10 Dec 2024 11:19	SY/MD	Ok
4	VY1210SBS01	VY020562.D	10 Dec 2024 11:54	SY/MD	Ok,M
5	VY1210SBSD01	VY020563.D	10 Dec 2024 12:17	SY/MD	Ok,M
6	P5216-03RE	VY020564.D	10 Dec 2024 13:03	SY/MD	Confirms
7	P5216-11	VY020565.D	10 Dec 2024 13:26	SY/MD	Ok
8	P5176-01RE	VY020566.D	10 Dec 2024 13:49	SY/MD	Confirms
9	P5175-01RE	VY020567.D	10 Dec 2024 14:13	SY/MD	Confirms
10	P5196-03	VY020568.D	10 Dec 2024 15:00	SY/MD	Ok
11	P5219-01	VY020569.D	10 Dec 2024 15:23	SY/MD	Ok
12	P5219-02	VY020570.D	10 Dec 2024 15:47	SY/MD	Ok
13	P5219-03	VY020571.D	10 Dec 2024 16:10	SY/MD	ReRun
14	P5223-01	VY020572.D	10 Dec 2024 16:33	SY/MD	Not Ok
15	VY1210SBS02	VY020573.D	10 Dec 2024 16:56	SY/MD	Not Ok
16	P5194-06	VY020574.D	10 Dec 2024 17:20	SY/MD	Ok
17	P5194-03	VY020575.D	10 Dec 2024 17:43	SY/MD	Ok
18	P5194-04	VY020576.D	10 Dec 2024 18:06	SY/MD	Ok
19	P5194-05	VY020577.D	10 Dec 2024 18:30	SY/MD	Ok
20	VSTDCCC050	VY020578.D	10 Dec 2024 18:53	SY/MD	Ok,M

M : Manual Integration

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

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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,
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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121024

Review By	Mahesh Dadoda	Review On	12/11/2024 1:14:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/11/2024 1:20:31 PM		
SubDirectory	VY121024	HP Acquire Method		HP Processing Method	82y120224s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132051
Initial Calibration Stds	
CCC	VP132052,VP132053
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	VY020559.D	10 Dec 2024 08:57		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020560.D	10 Dec 2024 10:42	CCAL failed high for comp. #16	SY/MD	Ok,M
3	VY1210SBL01	VY1210SBL01	VY020561.D	10 Dec 2024 11:19		SY/MD	Ok
4	VY1210SBS01	VY1210SBS01	VY020562.D	10 Dec 2024 11:54		SY/MD	Ok,M
5	VY1210SBSD01	VY1210SBSD01	VY020563.D	10 Dec 2024 12:17		SY/MD	Ok,M
6	P5216-03RE	BP-G-6-VOCRE	VY020564.D	10 Dec 2024 13:03	vial-B Internal Standard Fail	SY/MD	Confirms
7	P5216-11	MH-744-VOC	VY020565.D	10 Dec 2024 13:26	vial-B	SY/MD	Ok
8	P5176-01RE	EO-02-12062024RE	VY020566.D	10 Dec 2024 13:49	vial-B Internal Standard Fail	SY/MD	Confirms
9	P5175-01RE	OK-01-12062024RE	VY020567.D	10 Dec 2024 14:13	vial-B Internal Standard Fail	SY/MD	Confirms
10	P5196-03	MH-761-VOC	VY020568.D	10 Dec 2024 15:00	vial-A	SY/MD	Ok
11	P5219-01	MR-CAM-09-MR-CAM-	VY020569.D	10 Dec 2024 15:23	vial-A	SY/MD	Ok
12	P5219-02	MR-CAM-011	VY020570.D	10 Dec 2024 15:47	vial-A	SY/MD	Ok
13	P5219-03	MR-CAM-012	VY020571.D	10 Dec 2024 16:10	vial-A CCAL failed high for comp. #16; Internal standard fail	SY/MD	ReRun
14	P5223-01	TR-05-120924	VY020572.D	10 Dec 2024 16:33	vial-A NOT PURGE	SY/MD	Not Ok
15	VY1210SBS02	VY1210SBS02	VY020573.D	10 Dec 2024 16:56	Not req.	SY/MD	Not Ok
16	P5194-06	WP-4	VY020574.D	10 Dec 2024 17:20	vial-A	SY/MD	Ok
17	P5194-03	WP-1	VY020575.D	10 Dec 2024 17:43	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121024

Review By	Mahesh Dadoda	Review On	12/11/2024 1:14:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/11/2024 1:20:31 PM		
SubDirectory	VY121024	HP Acquire Method		HP Processing Method	82y120224s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132051
Initial Calibration Stds	
CCC	VP132052,VP132053
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P5194-04	WP-2	VY020576.D	10 Dec 2024 18:06	vial-A	SY/MD	Ok
19	P5194-05	WP-3	VY020577.D	10 Dec 2024 18:30	vial-A	SY/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VY020578.D	10 Dec 2024 18:53		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/9/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 12/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 12/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133796

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
P5123-01	1439-BIDS-WHITE-WINDOW-1A-1B-1C	1	1.00	1.00	2.00	2.00	100.0	caluk
P5123-02	1939-1915-BIDS-2A-2B-2C-BUILDING-CONCRETE	2	1.00	1.00	2.00	2.00	100.0	caluk
P5159-01	COMP-A-B	3	1.15	8.81	9.96	6.61	62.0	
P5159-02	102824-A	4	1.18	8.81	9.99	6.29	58.0	
P5159-03	102824-B	5	1.14	8.64	9.78	7.00	67.8	
P5162-01	120624-A	6	1.00	1.00	2.00	2.00	100.0	wipe sample
P5162-02	120624-B	7	1.00	1.00	2.00	2.00	100.0	wipe sample
P5162-03	120624-C	8	1.00	1.00	2.00	2.00	100.0	wipe sample
P5174-01	ROLL-OFF-COMP	9	1.16	8.49	9.65	8.11	81.9	
P5175-01	OK-01-12062024	10	1.15	8.81	9.96	9.36	93.2	
P5175-02	OK-01-12062024-E2	11	1.16	8.47	9.63	8.88	91.1	
P5176-01	EO-02-12062024	12	1.15	8.40	9.55	8.88	92.0	
P5176-02	EO-02-12062024-E2	13	1.13	8.70	9.83	9.31	94.0	
P5176-03	EO-03-12062024	14	1.16	8.51	9.67	8.89	90.8	
P5176-04	EO-03-12062024-E2	15	1.13	8.74	9.87	8.1	79.7	
P5193-05	SVOC-GPC-BLANK	16	1.00	1.00	2.00	2.00	100.0	
P5193-06	PEST-GPC-BLANK	17	1.00	1.00	2.00	2.00	100.0	
P5193-07	PEST-GPC-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
P5193-08	PCB-GPC-BLANK	19	1.00	1.00	2.00	2.00	100.0	
P5193-09	PCB-GPC-BLANK-SPIKE	20	1.00	1.00	2.00	2.00	100.0	
P5193-10	SVOC-GPC2-BLANK	21	1.00	1.00	2.00	2.00	100.0	
P5193-11	PEST-GPC2-BLANK	22	1.00	1.00	2.00	2.00	100.0	
P5193-12	PEST-GPC2-BLANK-SPIKE	23	1.00	1.00	2.00	2.00	100.0	
P5193-13	PCB-GPC2-BLANK	24	1.00	1.00	2.00	2.00	100.0	
P5193-14	PCB-GPC2-BLANK-SPIKE	25	1.00	1.00	2.00	2.00	100.0	
P5194-01	UST-1	26	1.16	8.48	9.64	8.63	88.1	
P5194-02	UST-2	27	1.12	8.71	9.83	9.06	91.2	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/9/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 12/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 12/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133796

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
P5194-03	WP-1	28	1.18	8.44	9.62	9.4	97.4	
P5194-04	WP-2	29	1.12	8.54	9.66	9.17	94.3	
P5194-05	WP-3	30	1.17	8.80	9.97	9.00	89.0	
P5194-06	WP-4	31	1.13	7.67	8.8	8.6	97.4	
P5196-01	MH-761	32	1.15	8.68	9.83	8.54	85.1	
P5196-02	MH-761-EPH	33	1.15	8.84	9.99	9.05	89.4	
P5196-03	MH-761-VOC	34	1.15	8.84	9.99	9.11	90.0	

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

WORKLIST(Hardcopy Internal Chain)

VB 133796

WorkList Name : %1-120624 **WorkList ID :** 186038 **Department :** Wet-Chemistry **Date :** 12-06-2024 08:18:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5123-01	1439-BIDS-WHITE-WINDOW-1.	Solid	Percent Solids	Cool 4 deg C	ATCE02	M11	11/23/2024	Chemtech -SO
P5123-02	1939-1915-BIDS-2A-2B-2C-BUI	Solid	Percent Solids	Cool 4 deg C	ATCE02	M11	11/23/2024	Chemtech -SO
P5159-01	COMP-A-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/06/2024	Chemtech -SO
P5159-02	102824-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/06/2024	Chemtech -SO
P5159-03	102824-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/06/2024	Chemtech -SO
P5162-01	120624-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/06/2024	Chemtech -SO
P5162-02	120624-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/06/2024	Chemtech -SO
P5162-03	120624-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/06/2024	Chemtech -SO
P5174-01	ROLL-OFF-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/06/2024	Chemtech -SO
P5175-01	OK-01-12062024	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	12/06/2024	Chemtech -SO
P5175-02	OK-01-12062024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	12/06/2024	Chemtech -SO
P5176-01	EO-02-12062024	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	12/06/2024	Chemtech -SO
P5176-02	EO-02-12062024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	12/06/2024	Chemtech -SO
P5176-03	EO-03-12062024	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	12/06/2024	Chemtech -SO
P5176-04	EO-03-12062024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	12/06/2024	Chemtech -SO
P5193-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	12/06/2024	Chemtech -SO
P5193-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	12/02/2024	Chemtech -SO
P5193-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	12/02/2024	Chemtech -SO
P5193-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	12/02/2024	Chemtech -SO
P5193-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	12/02/2024	Chemtech -SO
P5193-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	12/02/2024	Chemtech -SO

Date/Time 12/06/24 1625

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 12-06-24 1735

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 133796

WorkList Name : %1-120624 **WorkList ID :** 186038 **Department :** Wet-Chemistry **Date :** 12-06-2024 08:18:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5193-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	12/02/2024	Chemtech -SO
P5193-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	12/02/2024	Chemtech -SO
P5193-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	12/02/2024	Chemtech -SO
P5193-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	12/02/2024	Chemtech -SO
P5194-01	UST-1	Solid	Percent Solids	Cool 4 deg C	JPCL01	L41	12/05/2024	Chemtech -SO
P5194-02	UST-2	Solid	Percent Solids	Cool 4 deg C	JPCL01	L41	12/05/2024	Chemtech -SO
P5194-03	WP-1	Solid	Percent Solids	Cool 4 deg C	JPCL01	L41	12/05/2024	Chemtech -SO
P5194-04	WP-2	Solid	Percent Solids	Cool 4 deg C	JPCL01	L41	12/05/2024	Chemtech -SO
P5194-05	WP-3	Solid	Percent Solids	Cool 4 deg C	JPCL01	L41	12/05/2024	Chemtech -SO
P5194-06	WP-4	Solid	Percent Solids	Cool 4 deg C	JPCL01	L41	12/05/2024	Chemtech -SO
P5196-01	MH-761	Solid	Percent Solids	Cool 4 deg C	JPCL01	L41	12/05/2024	Chemtech -SO
P5196-02	MH-761-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	12/06/2024	Chemtech -SO
P5196-03	MH-761-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	12/06/2024	Chemtech -SO

Date/Time 12/06/24 16:25
Raw Sample Received by: JB WC
Raw Sample Relinquished by: CSM

Date/Time 12/06/24 17:35
Raw Sample Received by: CSM
Raw Sample Relinquished by: JB WC

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. P5194
QUOTE NO.
COC Number 2041877

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: JPCL Engineering, LLC
ADDRESS: 2 Clerico Ln, Bldg 1
CITY Hillsborough STATE: NJ ZIP: 08844
ATTENTION: Paul Rotondi
PHONE: 609 203-3846 FAX: 609 460-4355

CLIENT PROJECT INFORMATION

PROJECT NAME: 1454-1460 Haddon Ave
PROJECT NO.: LOCATION: Camden, NJ
PROJECT MANAGER: P. Rotondi
e-mail: protondi@JPCLengineering.com
PHONE: 609 203-3846 FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- [x] 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 EPH/DRO
2 VOC+10
3 4 5 6 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
1.	UST-1	Soil		X	12/5	11:02	2	2									
2.	UST-2	Soil		X	12/5	11:02	2	2									
3.	WP-1	Soil		X	12/5	9:44	3		3								
4.	WP-2	Soil		X	↓	10:57	3		3								
5.	WP-3	Soil		X	↓	11:11	3		3								
6.	WP-4	Soil		X	↓	11:31	3		3								
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	12/6/13:00 R	1. [signature]
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: 5-DAY TAT PLEASE IR Gun #1

Page 1 of 1

CLIENT: [x] 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

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