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Cover Page

Order ID : P5362

Project ID : Con Ed Non-MGP - East River SI 453648

Client : PARSONS Main of New York, Inc.

Lab Sample Number	Client Sample Number
P5362-01	WC-SOIL-20241219
P5362-02	WC-SOIL-20241219

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

Signature : _____

Date: 1/2/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5362**

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

QA Review Signature: **NILESH PRAJAPATI** **Date:** **01/02/2025**

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LAB CHRONICLE

OrderID:	P5362	**OrderDate:**	12/20/2024 10:07:00 AM
Client:	PARSONS Main of New York, Inc.	**Project:**	Con Ed Non-MGP - East River SI 453648
Contact:	Stephen Liberatore	**Location:**	N21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5362-01	**WC-SOIL-20241219**	**SOIL**			**12/19/24**			**12/19/24**
			VOC-TCLVOA-10	8260D			12/27/24	
P5362-02	**WC-SOIL-20241219**	**TCLP**			**12/19/24**			**12/19/24**
			TCLP VOA	8260D			12/27/24	

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Hit Summary Sheet
SW-846

SDG No.: P5362

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

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Surrogate Summary

SDG No.: P5362

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5362-01	WC-SOIL-20241219	1,2-Dichloroethane-d4	50	61.0	122	50	163
		Dibromofluoromethane	50	56.9	114	54	147
		Toluene-d8	50	52.5	105	58	134
		4-Bromofluorobenzene	50	47.1	94	29	146
VY1227SBL01	VY1227SBL01	1,2-Dichloroethane-d4	50	63.5	127	50	163
		Dibromofluoromethane	50	57.1	114	54	147
		Toluene-d8	50	53.3	107	58	134
		4-Bromofluorobenzene	50	48.3	97	29	146
VY1227SBS01	VY1227SBS01	1,2-Dichloroethane-d4	50	54.8	110	50	163
		Dibromofluoromethane	50	54.3	109	54	147
		Toluene-d8	50	52.6	105	58	134
		4-Bromofluorobenzene	50	53.1	106	29	146
VY1227SBSD01	VY1227SBSD01	1,2-Dichloroethane-d4	50	55.9	112	50	163
		Dibromofluoromethane	50	53.6	107	54	147
		Toluene-d8	50	52.8	105	58	134
		4-Bromofluorobenzene	50	53.2	106	29	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5362

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260D **Datafile :** VY020732.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1227SBS01	Dichlorodifluoromethane	20	19.2	ug/Kg	96			64	136	
	Chloromethane	20	20.9	ug/Kg	104			70	130	
	Vinyl chloride	20	19.6	ug/Kg	98			72	129	
	Bromomethane	20	19.9	ug/Kg	100			58	141	
	Chloroethane	20	20.3	ug/Kg	102			69	130	
	Trichlorofluoromethane	20	18.3	ug/Kg	92			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/Kg	102			81	123	
	1,1-Dichloroethene	20	19.6	ug/Kg	98			79	121	
	Acetone	100	91.0	ug/Kg	91			60	131	
	Carbon disulfide	20	19.0	ug/Kg	95			45	154	
	Methyl tert-butyl Ether	20	20.1	ug/Kg	101			77	129	
	Methyl Acetate	20	22.1	ug/Kg	111			69	149	
	Methylene Chloride	20	20.6	ug/Kg	103			56	174	
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101			80	123	
	1,1-Dichloroethane	20	21.2	ug/Kg	106			82	123	
	Cyclohexane	20	20.0	ug/Kg	100			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	18.6	ug/Kg	93			76	129	
	cis-1,2-Dichloroethene	20	20.4	ug/Kg	102			82	123	
	Bromochloromethane	20	19.1	ug/Kg	96			80	127	
	Chloroform	20	20.6	ug/Kg	103			82	125	
	1,1,1-Trichloroethane	20	19.3	ug/Kg	97			80	126	
	Methylcyclohexane	20	19.8	ug/Kg	99			77	123	
	Benzene	20	20.7	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	19.3	ug/Kg	97			81	126	
	Trichloroethene	20	19.9	ug/Kg	100			83	122	
	1,2-Dichloropropane	20	21.6	ug/Kg	108			83	122	
	Bromodichloromethane	20	19.7	ug/Kg	99			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	20.4	ug/Kg	102			83	122	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			78	124	
	cis-1,3-Dichloropropene	20	19.8	ug/Kg	99			81	122	
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103			82	125	
	2-Hexanone	100	100	ug/Kg	100			66	138	
	Dibromochloromethane	20	19.7	ug/Kg	99			79	125	
	1,2-Dibromoethane	20	19.9	ug/Kg	100			80	125	
	Tetrachloroethene	20	20.0	ug/Kg	100			83	125	
	Chlorobenzene	20	20.6	ug/Kg	103			84	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	41.9	ug/Kg	105			83	124	
	o-Xylene	20	20.6	ug/Kg	103			83	123	
	Styrene	20	21.0	ug/Kg	105			82	124	
	Bromoform	20	19.9	ug/Kg	100			75	127	
	Isopropylbenzene	20	20.2	ug/Kg	101			82	124	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/Kg	102			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.1	ug/Kg	101			84	121	
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5362

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260D **Datafile :** VY020732.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1227SBS01	1,2-Dibromo-3-Chloropropane	20	17.8	ug/Kg	89			66	134	
	1,2,4-Trichlorobenzene	20	18.7	ug/Kg	94			78	127	
	1,2,3-Trichlorobenzene	20	18.9	ug/Kg	95			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5362

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260D **Datafile :** VY020733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1227SBSD01	Dichlorodifluoromethane	20	19.6	ug/Kg	98	2		64	136	20
	Chloromethane	20	22.9	ug/Kg	115	10		70	130	20
	Vinyl chloride	20	19.8	ug/Kg	99	1		72	129	20
	Bromomethane	20	20.8	ug/Kg	104	4		58	141	20
	Chloroethane	20	21.3	ug/Kg	106	4		69	130	20
	Trichlorofluoromethane	20	18.7	ug/Kg	94	2		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104	2		81	123	20
	1,1-Dichloroethene	20	20.4	ug/Kg	102	4		79	121	20
	Acetone	100	100	ug/Kg	100	9		60	131	20
	Carbon disulfide	20	19.8	ug/Kg	99	4		45	154	20
	Methyl tert-butyl Ether	20	20.7	ug/Kg	104	3		77	129	20
	Methyl Acetate	20	23.0	ug/Kg	115	4		69	149	20
	Methylene Chloride	20	21.3	ug/Kg	106	3		56	174	20
	trans-1,2-Dichloroethene	20	20.7	ug/Kg	104	3		80	123	20
	1,1-Dichloroethane	20	22.0	ug/Kg	110	4		82	123	20
	Cyclohexane	20	20.5	ug/Kg	103	3		76	122	20
	2-Butanone	100	120	ug/Kg	120	18		69	131	20
	Carbon Tetrachloride	20	19.3	ug/Kg	97	4		76	129	20
	cis-1,2-Dichloroethene	20	21.4	ug/Kg	107	5		82	123	20
	Bromochloromethane	20	19.3	ug/Kg	97	1		80	127	20
	Chloroform	20	21.7	ug/Kg	109	6		82	125	20
	1,1,1-Trichloroethane	20	20.7	ug/Kg	104	7		80	126	20
	Methylcyclohexane	20	20.2	ug/Kg	101	2		77	123	20
	Benzene	20	21.2	ug/Kg	106	2		84	121	20
	1,2-Dichloroethane	20	20.2	ug/Kg	101	4		81	126	20
	Trichloroethene	20	20.6	ug/Kg	103	3		83	122	20
	1,2-Dichloropropane	20	22.0	ug/Kg	110	2		83	122	20
	Bromodichloromethane	20	20.6	ug/Kg	103	4		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	10		70	135	20
	Toluene	20	21.1	ug/Kg	106	4		83	122	20
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103	5		78	124	20
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	4		81	122	20
	1,1,2-Trichloroethane	20	21.7	ug/Kg	109	6		82	125	20
	2-Hexanone	100	110	ug/Kg	110	10		66	138	20
	Dibromochloromethane	20	20.6	ug/Kg	103	4		79	125	20
	1,2-Dibromoethane	20	20.7	ug/Kg	104	4		80	125	20
	Tetrachloroethene	20	20.8	ug/Kg	104	4		83	125	20
	Chlorobenzene	20	20.7	ug/Kg	104	1		84	122	20
	Ethyl Benzene	20	21.1	ug/Kg	106	2		82	124	20
	m/p-Xylenes	40	42.4	ug/Kg	106	1		83	124	20
	o-Xylene	20	21.0	ug/Kg	105	2		83	123	20
	Styrene	20	20.9	ug/Kg	104	1		82	124	20
	Bromoform	20	20.8	ug/Kg	104	4		75	127	20
	Isopropylbenzene	20	21.2	ug/Kg	106	5		82	124	20
	1,1,2,2-Tetrachloroethane	20	22.3	ug/Kg	112	9		77	127	20
	1,3-Dichlorobenzene	20	21.0	ug/Kg	105	3		83	122	20
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105	4		84	121	20
	1,2-Dichlorobenzene	20	20.7	ug/Kg	104	3		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5362

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260D **Datafile :** VY020733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1227SBSD01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99	11		66	134	20
	1,2,4-Trichlorobenzene	20	19.6	ug/Kg	98	4		78	127	20
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100	5		70	137	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1227SBL01

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG NO.: P5362

Lab File ID: VY020731.D Lab Sample ID: VY1227SBL01

Date Analyzed: 12/27/2024 Time Analyzed: 11:24

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
VY1227SBS01	VY1227SBS01	VY020732.D	12/27/2024
VY1227SBSD01	VY1227SBSD01	VY020733.D	12/27/2024
WC-SOIL-20241219	P5362-01	VY020738.D	12/27/2024

COMMENTS:

Raw Data: **VY020705.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG NO.: P5362

Lab File ID: VY020705.D BFB Injection Date: 12/26/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:29

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	17.9
75	30.0 - 60.0% of mass 95	56.5
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	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	88.9
175	5.0 - 9.0% of mass 174	4.7 (5.3) 1
176	95.0 - 101.0% of mass 174	85.2 (95.8) 1
177	5.0 - 9.0% of mass 176	6 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY020706.D	12/26/2024	09:31
VSTDICC010	VSTDICC010	VY020707.D	12/26/2024	09:53
VSTDICC020	VSTDICC020	VY020708.D	12/26/2024	10:16
VSTDICCC050	VSTDICCC050	VY020709.D	12/26/2024	10:39
VSTDICC150	VSTDICC150	VY020710.D	12/26/2024	11:01
VSTDICC100	VSTDICC100	VY020711.D	12/26/2024	11:51

Raw Data: **VY020729.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG NO.: P5362

Lab File ID: VY020729.D BFB Injection Date: 12/27/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:05

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	16.1
75	30.0 - 60.0% of mass 95	54.4
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	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	93.8
175	5.0 - 9.0% of mass 174	8 (8.5) 1
176	95.0 - 101.0% of mass 174	90.5 (96.5) 1
177	5.0 - 9.0% of mass 176	6.1 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020730.D	12/27/2024	10:20
VY1227SBL01	VY1227SBL01	VY020731.D	12/27/2024	11:24
VY1227SBS01	VY1227SBS01	VY020732.D	12/27/2024	12:03
VY1227SBSD01	VY1227SBSD01	VY020733.D	12/27/2024	12:26
WC-SOIL-20241219	P5362-01	VY020738.D	12/27/2024	14:47

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG NO.: P5362

Lab File ID: VY020730.D Date Analyzed: 12/27/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:20

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	133845	7.72	187374	8.63	158006	11.43
UPPER LIMIT	267690	8.219	374748	9.128	316012	11.926
LOWER LIMIT	66922.5	7.219	93687	8.128	79003	10.926
EPA SAMPLE NO.						
WC-SOIL-20241219	105597	7.71	170705	8.62	143916	11.42
VY1227SBL01	112620	7.72	180909	8.62	153112	11.42
VY1227SBS01	136570	7.72	194898	8.62	164208	11.43
VY1227SBSD01	129413	7.72	186352	8.62	158160	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG NO.: P5362

Lab File ID: VY020730.D Date Analyzed: 12/27/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:20

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

	IS4 AREA #	RT #				
12 HOUR STD	79722	13.358				
UPPER LIMIT	159444	13.858				
LOWER LIMIT	39861	12.858				
EPA SAMPLE NO.						
WC-SOIL-20241219	57023	13.35				
VY1227SBL01	62475	13.35				
VY1227SBS01	85032	13.36				
VY1227SBSD01	79149	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: **VY020738.D**

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/19/24
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219	SDG No.:	P5362
Lab Sample ID:	P5362-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92
Sample Wt/Vol:	6.14 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
VY020738.D	1		12/27/24 14:47	VY122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	4.40	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.40	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.40	ug/Kg
74-83-9	Bromomethane	0.91	U	0.91	4.40	ug/Kg
75-00-3	Chloroethane	0.89	U	0.89	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.81	U	0.81	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.95	U	0.95	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.69	U	0.69	4.40	ug/Kg
67-64-1	Acetone	5.50	U	5.50	22.1	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.40	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	4.40	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.56	U	0.56	4.40	ug/Kg
110-82-7	Cyclohexane	0.61	U	0.61	4.40	ug/Kg
78-93-3	2-Butanone	5.00	U	5.00	22.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	U	0.77	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.54	U	0.54	4.40	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	4.40	ug/Kg
67-66-3	Chloroform	0.59	U	0.59	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.69	U	0.69	4.40	ug/Kg
108-87-2	Methylcyclohexane	0.77	U	0.77	4.40	ug/Kg
71-43-2	Benzene	0.64	U	0.64	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.54	U	0.54	4.40	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.58	U	0.58	4.40	ug/Kg
75-27-4	Bromodichloromethane	0.50	U	0.50	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.90	U	3.90	22.1	ug/Kg
108-88-3	Toluene	0.59	U	0.59	4.40	ug/Kg

Raw Data: **VY020738.D**

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/19/24
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219	SDG No.:	P5362
Lab Sample ID:	P5362-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92
Sample Wt/Vol:	6.14 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
VY020738.D	1		12/27/24 14:47	VY122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.74	U	0.74	4.40	ug/Kg
591-78-6	2-Hexanone	4.20	U	4.20	22.1	ug/Kg
124-48-1	Dibromochloromethane	0.58	U	0.58	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.70	U	0.70	4.40	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	4.40	ug/Kg
108-90-7	Chlorobenzene	0.66	U	0.66	4.40	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.40	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	8.90	ug/Kg
95-47-6	o-Xylene	0.62	U	0.62	4.40	ug/Kg
100-42-5	Styrene	0.53	U	0.53	4.40	ug/Kg
75-25-2	Bromoform	0.72	U	0.72	4.40	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.66	U	0.66	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.71	U	0.71	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.52	U	0.52	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.70	U	0.70	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.69	U	0.69	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.0		50 - 163	122%	SPK: 50
1868-53-7	Dibromofluoromethane	56.9		54 - 147	114%	SPK: 50
2037-26-5	Toluene-d8	52.5		58 - 134	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		29 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	106000	7.713			
540-36-3	1,4-Difluorobenzene	171000	8.615			
3114-55-4	Chlorobenzene-d5	144000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	57000	13.352			

Raw Data: **VY020738.D**

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/19/24
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219	SDG No.:	P5362
Lab Sample ID:	P5362-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92
Sample Wt/Vol:	6.14 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
VY020738.D	1		12/27/24 14:47	VY122724

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: **VY020738.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020738.D
Acq On : 27 Dec 2024 14:47
Operator : SY/MD
Sample : P5362-01
Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20241219

Quant Time: Dec 28 03:03:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	105597	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.615	114	170705	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	143916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	57023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	52789	61.032	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.060%			
35) Dibromofluoromethane	7.640	113	53520	56.920	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.840%			
50) Toluene-d8	10.109	98	196489	52.462	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.920%			
62) 4-Bromofluorobenzene	12.407	95	58828	47.078	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 94.160%			
Target Compounds						Qvalue

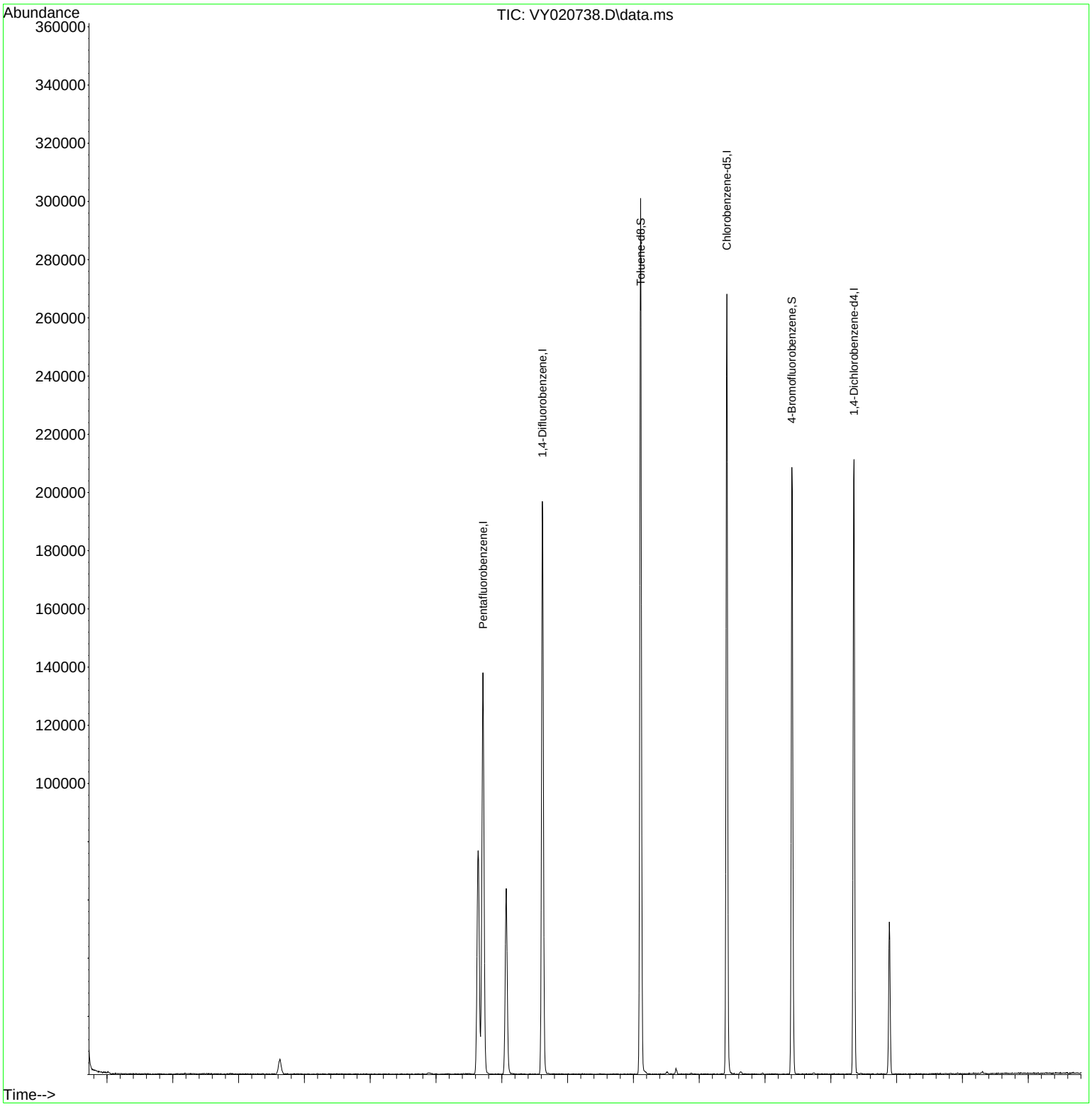
(#) = qualifier out of range (m) = manual integration (+) = signals summed

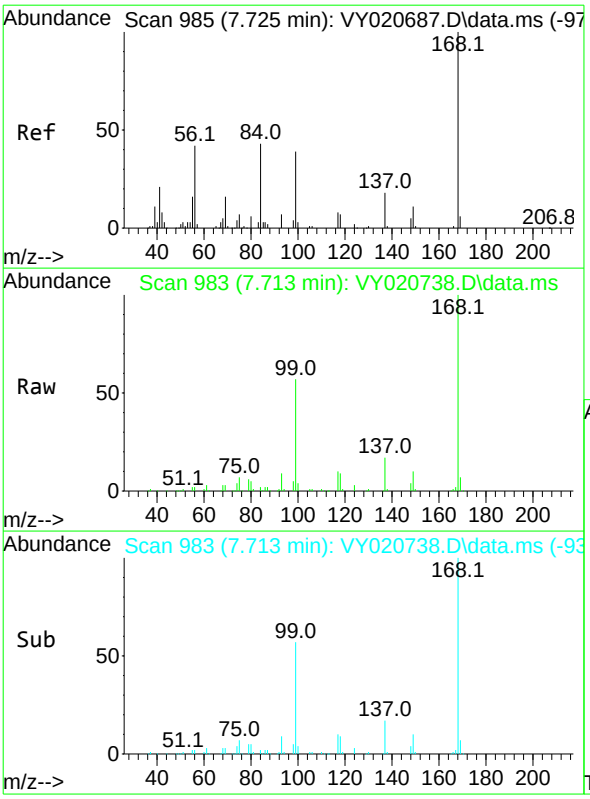
Sample Results: **VY020738.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020738.D
Acq On : 27 Dec 2024 14:47
Operator : SY/MD
Sample : P5362-01
Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20241219

Quant Time: Dec 28 03:03:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration



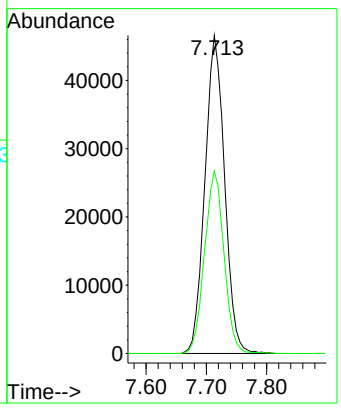


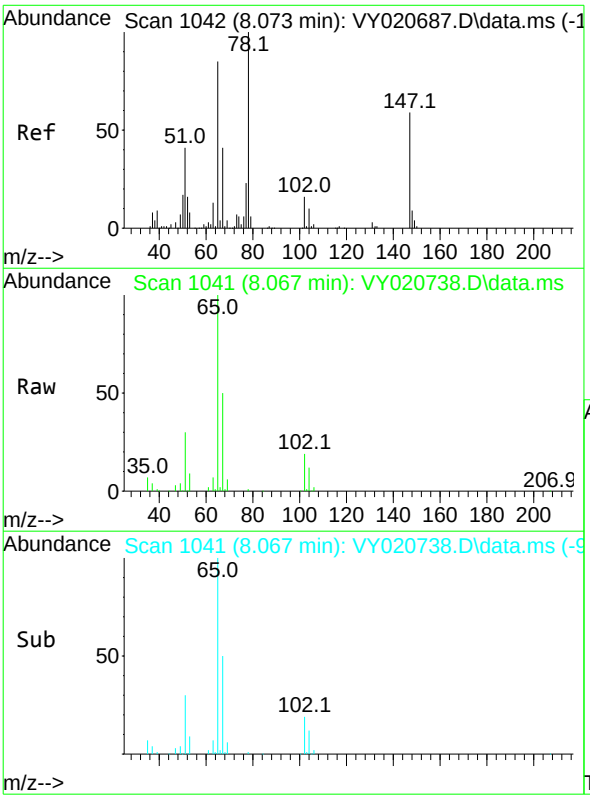
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020738.D
Acq: 27 Dec 2024 14:47

Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20241219

Tgt Ion:168 Resp: 105597

Ion	Ratio	Lower	Upper
168	100		
99	57.3	43.8	65.6

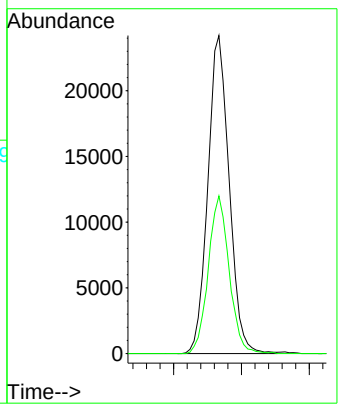


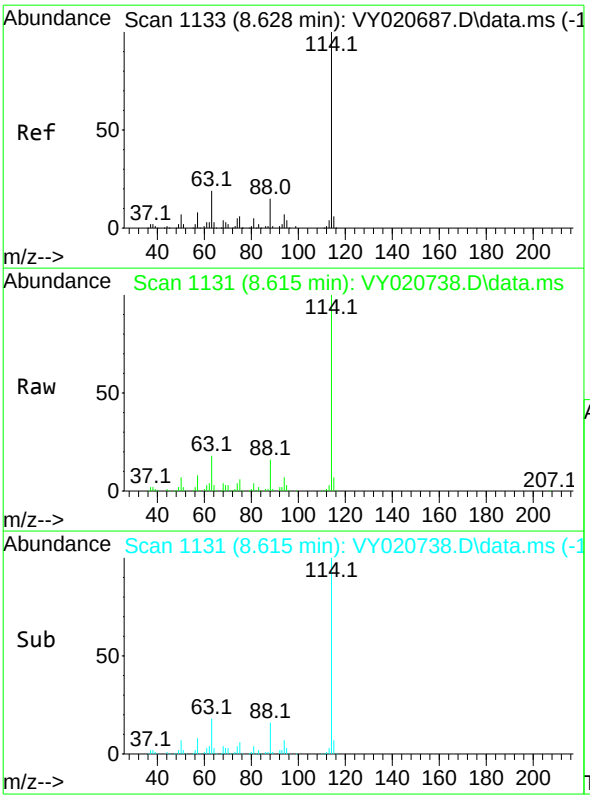


#33
1,2-Dichloroethane-d4
Concen: 61.032 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020738.D
Acq: 27 Dec 2024 14:47

Tgt Ion: 65 Resp: 52789

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	98.0



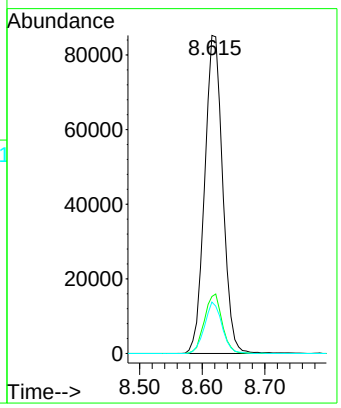


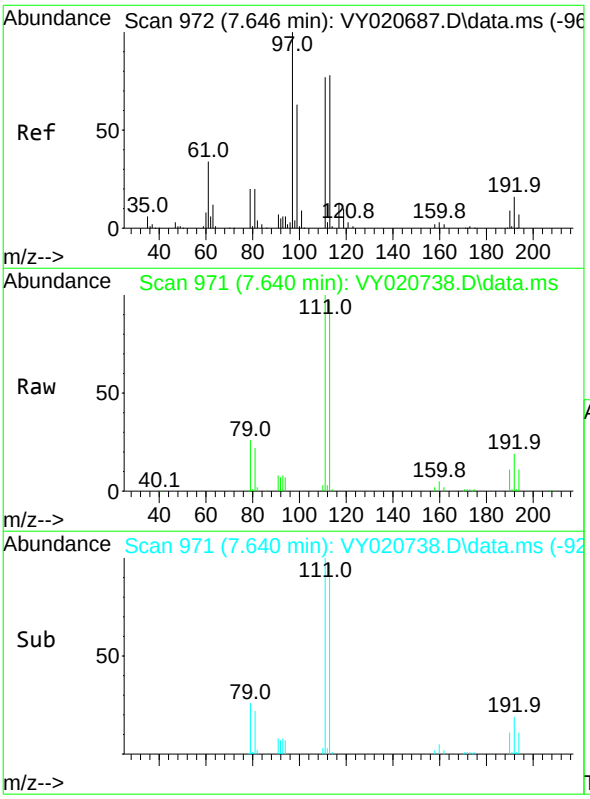
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.013 min
Lab File: VY020738.D
Acq: 27 Dec 2024 14:47

Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20241219

Tgt Ion:114 Resp: 170705

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.4
88	16.2	0.0	30.4

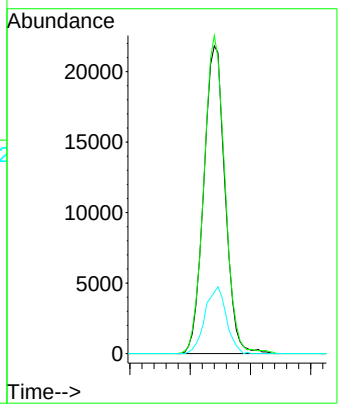


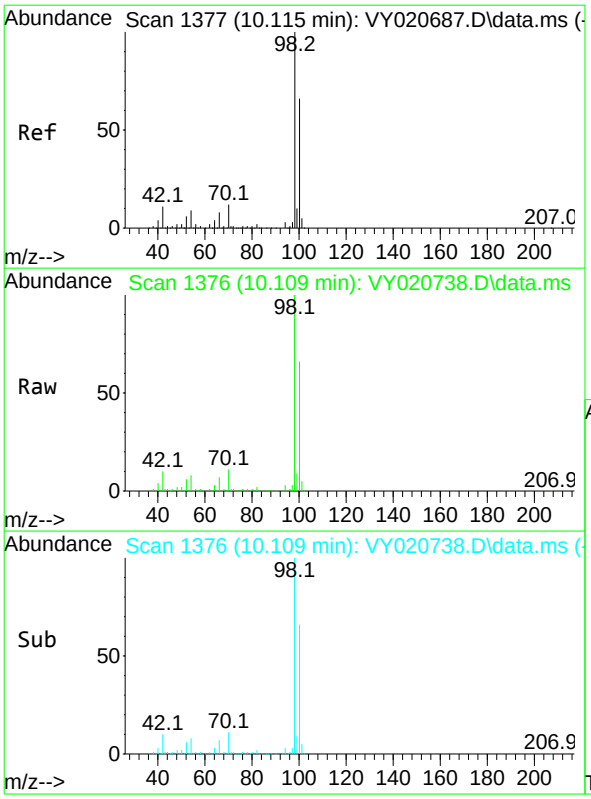


#35
Dibromofluoromethane
Concen: 56.920 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.006 min
Lab File: VY020738.D
Acq: 27 Dec 2024 14:47

Tgt Ion:113 Resp: 53520

Ion	Ratio	Lower	Upper
113	100		
111	102.3	79.8	119.8
192	21.7	17.0	25.6



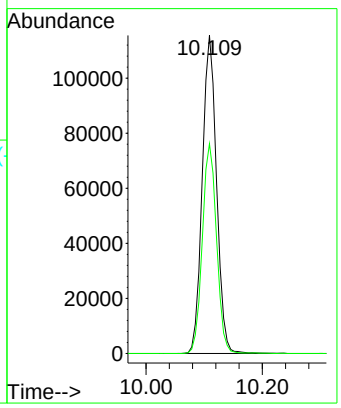


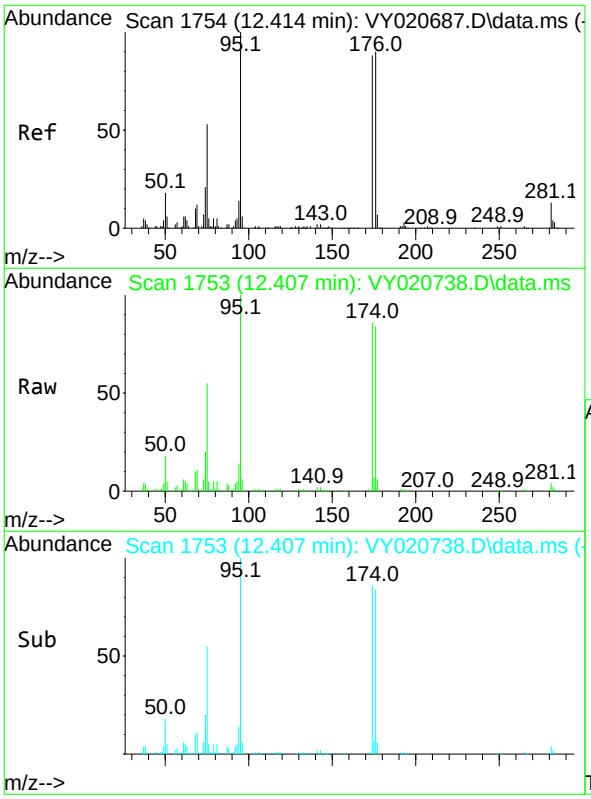
#50
Toluene-d8
Concen: 52.462 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020738.D
Acq: 27 Dec 2024 14:47

Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20241219

Tgt Ion: 98 Resp: 196489

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4

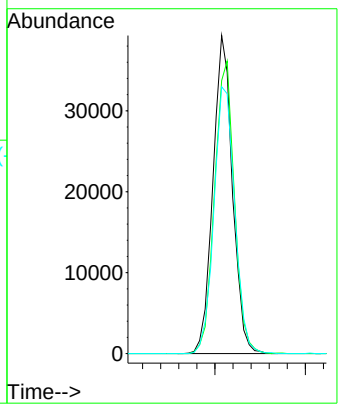


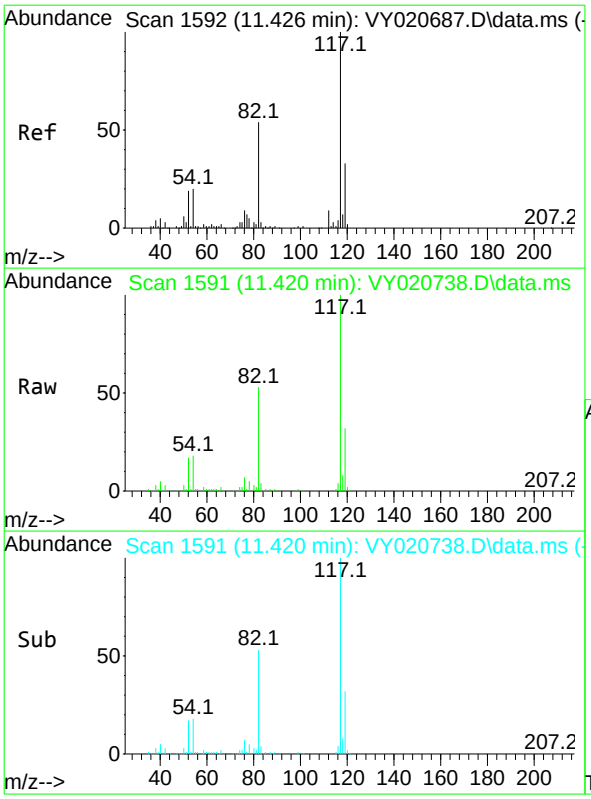


#62
4-Bromofluorobenzene
Concen: 47.078 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.007 min
Lab File: VY020738.D
Acq: 27 Dec 2024 14:47

Tgt Ion: 95 Resp: 58828

Ion	Ratio	Lower	Upper
95	100		
174	93.7	0.0	179.2
176	89.6	0.0	179.8



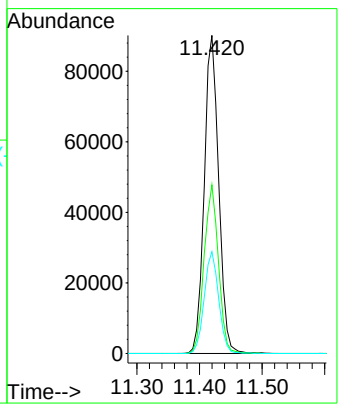


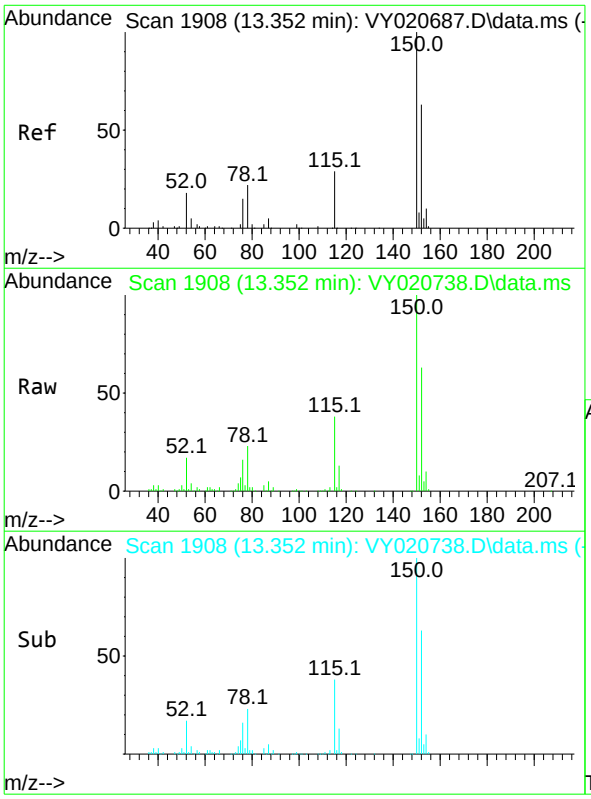
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020738.D
Acq: 27 Dec 2024 14:47

Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20241219

Tgt Ion:117 Resp: 143916

Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.4	65.2
119	32.0	26.6	39.8

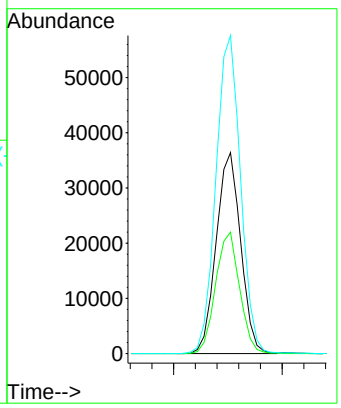




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020738.D
Acq: 27 Dec 2024 14:47

Tgt Ion:152 Resp: 57023

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.3	90.9
150	159.2	0.0	349.0



Sample Results: **VY020738.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020738.D
Acq On : 27 Dec 2024 14:47
Operator : SY/MD
Sample : P5362-01
Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20241219

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\82Y122624S.M
Title : SW846 8260

Signal : TIC: VY020738.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.628	466	477	486	rBV3	5180	15605	3.04%	0.569%
2	7.640	960	971	977	rBV2	76788	188545	36.73%	6.878%
3	7.713	977	983	1000	rVB	137930	309699	60.33%	11.297%
4	8.067	1032	1041	1052	rBV	63851	137814	26.85%	5.027%
5	8.615	1123	1131	1143	rBV	196774	387045	75.40%	14.119%
6	10.109	1367	1376	1395	rBV	300944	513303	100.00%	18.725%
7	11.420	1584	1591	1602	rBV	267921	430439	83.86%	15.702%
8	12.407	1747	1753	1765	rVB2	208524	339601	66.16%	12.388%
9	13.352	1900	1908	1914	rBV	211216	335712	65.40%	12.246%
10	13.889	1987	1996	2003	rBV2	52304	83568	16.28%	3.048%

Sum of corrected areas: 2741331

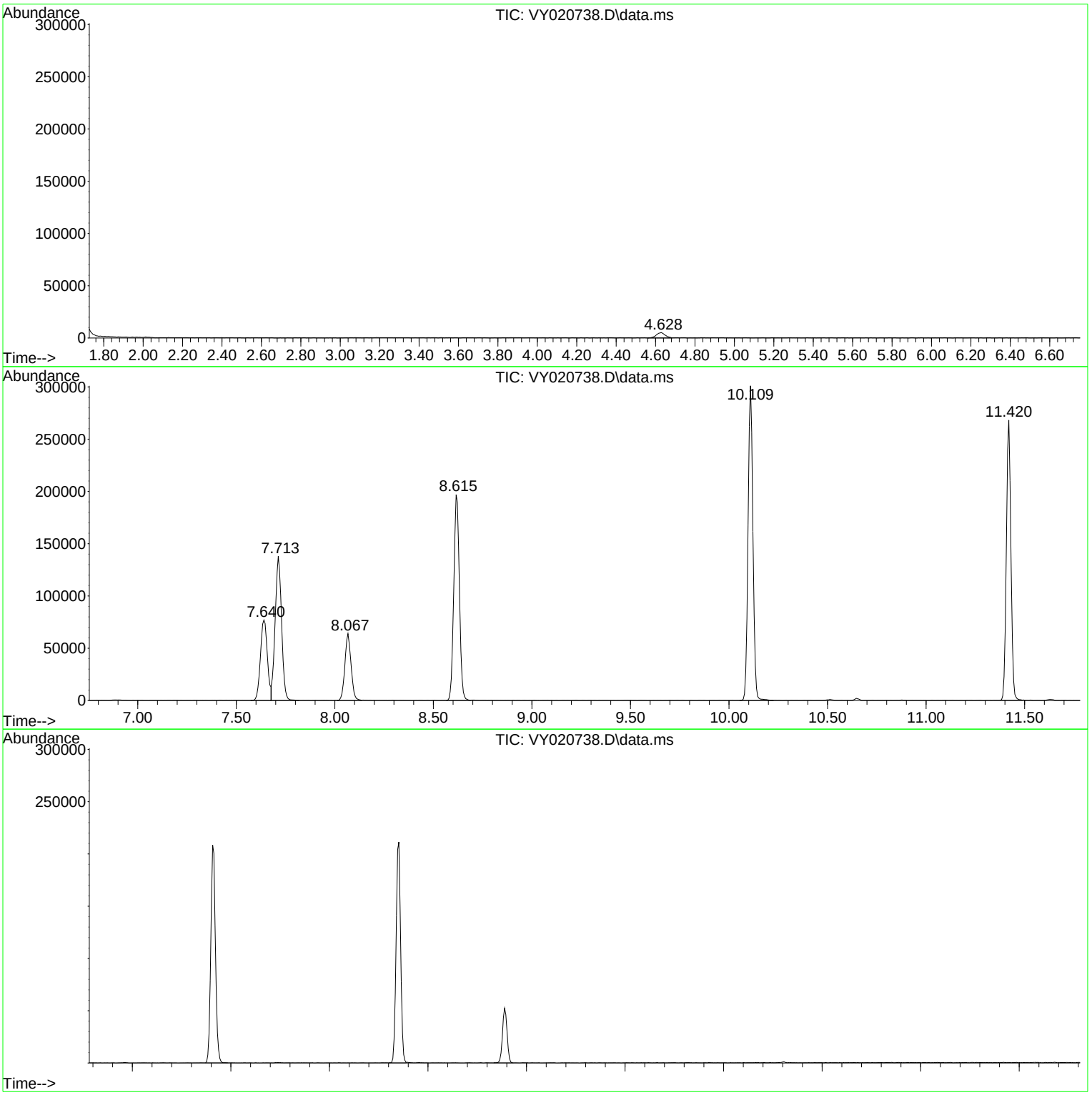
Sample Results: **VY020738.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020738.D
Acq On : 27 Dec 2024 14:47
Operator : SY/MD
Sample : P5362-01
Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20241219

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020738.D
Acq On : 27 Dec 2024 14:47
Operator : SY/MD
Sample : P5362-01
Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20241219

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.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\VY122724\
Data File : VY020738.D
Acq On : 27 Dec 2024 14:47
Operator : SY/MD
Sample : P5362-01
Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20241219

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG No.: P5362

Instrument ID: MSVOA_Y Calibration Date(s): 12/26/2024 12/26/2024

Heated Purge: (Y/N) Y Calibration Time(s): 09:31 11:51

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

LAB FILE ID: RRF005 = VY020706.D RRF010 = VY020707.D RRF020 = VY020708.D
RRF050 = VY020709.D RRF150 = VY020710.D RRF100 = VY020711.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF150	RRF100	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.368	0.453	0.375	0.405	0.376	0.385	0.394	8
Chloromethane	0.136	0.154	0.131	0.157	0.148	0.155	0.147	7.5
Vinyl Chloride	0.168	0.195	0.176	0.192	0.178	0.181	0.182	5.6
Bromomethane	0.131	0.149	0.128	0.141	0.136	0.138	0.137	5.5
Chloroethane	0.101	0.116	0.102	0.113	0.112	0.111	0.109	5.6
Trichlorofluoromethane	0.651	0.767	0.686	0.715	0.689	0.689	0.699	5.5
1,1,2-Trichlorotrifluoroethane	0.346	0.428	0.378	0.391	0.376	0.385	0.384	6.9
1,1-Dichloroethene	0.326	0.359	0.330	0.352	0.340	0.344	0.342	3.7
Acetone	0.050	0.068	0.045	0.054	0.048	0.046	0.052	16.8
Carbon Disulfide	0.745	0.854	0.769	0.906	0.867	0.889	0.838	7.9
Methyl tert-butyl Ether	0.880	1.004	0.922	1.015	0.942	0.951	0.952	5.3
Methyl Acetate	0.115	0.155	0.132	0.159	0.144	0.140	0.141	11.4
Methylene Chloride	0.324	0.365	0.328	0.343	0.329	0.338	0.338	4.5
trans-1,2-Dichloroethene	0.339	0.378	0.356	0.391	0.368	0.378	0.368	5
1,1-Dichloroethane	0.571	0.661	0.596	0.620	0.591	0.620	0.609	5.1
Cyclohexane	0.629	0.582	0.493	0.510	0.463	0.479	0.526	12.4
2-Butanone	0.069	0.069	0.066	0.080	0.071	0.067	0.070	7
Carbon Tetrachloride	0.556	0.644	0.581	0.614	0.593	0.606	0.599	5
cis-1,2-Dichloroethene	0.419	0.460	0.426	0.462	0.432	0.447	0.441	4.1
Bromochloromethane	0.133	0.151	0.129	0.193	0.178	0.184	0.161	16.9
Chloroform	0.839	0.821	0.753	0.788	0.742	0.762	0.784	5
1,1,1-Trichloroethane	0.814	0.897	0.826	0.859	0.816	0.831	0.840	3.8
Methylcyclohexane	0.427	0.483	0.462	0.485	0.468	0.474	0.466	4.5
Benzene	0.969	1.104	1.040	1.089	1.041	1.083	1.054	4.7
1,2-Dichloroethane	0.297	0.352	0.325	0.364	0.342	0.348	0.338	7
Trichloroethene	0.288	0.336	0.315	0.324	0.309	0.317	0.315	5.1
1,2-Dichloropropane	0.205	0.230	0.205	0.225	0.204	0.211	0.213	5.3
Bromodichloromethane	0.384	0.444	0.415	0.433	0.416	0.421	0.419	4.9
4-Methyl-2-Pentanone	0.111	0.123	0.117	0.140	0.126	0.121	0.123	7.8
Toluene	0.654	0.751	0.722	0.745	0.723	0.741	0.723	4.9

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

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: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG No.: P5362

Instrument ID: MSVOA_Y Calibration Date(s): 12/26/2024 12/26/2024

Heated Purge: (Y/N) Y Calibration Time(s): 09:31 11:51

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

LAB FILE ID: RRF005 = VY020706.D RRF010 = VY020707.D RRF020 = VY020708.D
RRF050 = VY020709.D RRF150 = VY020710.D RRF100 = VY020711.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF150	RRF100	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.318	0.366	0.352	0.403	0.382	0.386	0.368	8.2
cis-1,3-Dichloropropene	0.361	0.408	0.395	0.430	0.410	0.413	0.403	5.8
1,1,2-Trichloroethane	0.182	0.187	0.186	0.199	0.189	0.188	0.188	3.1
2-Hexanone	0.066	0.077	0.078	0.096	0.087	0.083	0.081	12.4
Dibromochloromethane	0.276	0.321	0.294	0.316	0.309	0.312	0.305	5.5
1,2-Dibromoethane	0.158	0.179	0.175	0.191	0.184	0.178	0.177	6.1
Tetrachloroethene	0.308	0.360	0.348	0.351	0.337	0.346	0.342	5.3
Chlorobenzene	0.925	1.044	0.976	1.002	0.943	0.985	0.979	4.3
Ethyl Benzene	1.540	1.810	1.715	1.778	1.682	1.743	1.711	5.6
m/p-Xylenes	0.590	0.691	0.649	0.675	0.643	0.667	0.653	5.4
o-Xylene	0.552	0.666	0.639	0.650	0.603	0.632	0.624	6.6
Styrene	0.958	1.076	1.061	1.090	1.022	1.075	1.047	4.7
Bromoform	0.188	0.227	0.212	0.241	0.218	0.222	0.218	8.2
Isopropylbenzene	3.123	3.801	3.508	3.476	3.402	3.474	3.464	6.3
1,1,2,2-Tetrachloroethane	0.430	0.438	0.438	0.476	0.451	0.431	0.444	3.9
1,3-Dichlorobenzene	1.428	1.670	1.567	1.578	1.529	1.579	1.559	5.1
1,4-Dichlorobenzene	1.492	1.625	1.562	1.572	1.502	1.549	1.550	3.1
1,2-Dichlorobenzene	1.197	1.374	1.362	1.410	1.328	1.347	1.336	5.5
1,2-Dibromo-3-Chloropropane	0.068	0.089	0.086	0.098	0.090	0.086	0.086	11.8
1,2,4-Trichlorobenzene	0.666	0.826	0.811	0.902	0.947	0.944	0.849	12.6
1,2,3-Trichlorobenzene	0.531	0.678	0.678	0.773	0.796	0.787	0.707	14.3
1,2-Dichloroethane-d4	0.335	0.402	0.313	0.516	0.433	0.457	0.410	18.7
Dibromofluoromethane	0.235	0.274	0.232	0.319	0.284	0.307	0.275	13.1
Toluene-d8	0.733	0.883	0.733	1.227	1.093	1.158	0.971	22.4
4-Bromofluorobenzene	0.303	0.378	0.319	0.426	0.373	0.397	0.366	12.8

* 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 : 82Y122624S.M
Title : SW846 8260
Last Update : Thu Dec 26 16:12:28 2024
Response Via : Initial Calibration

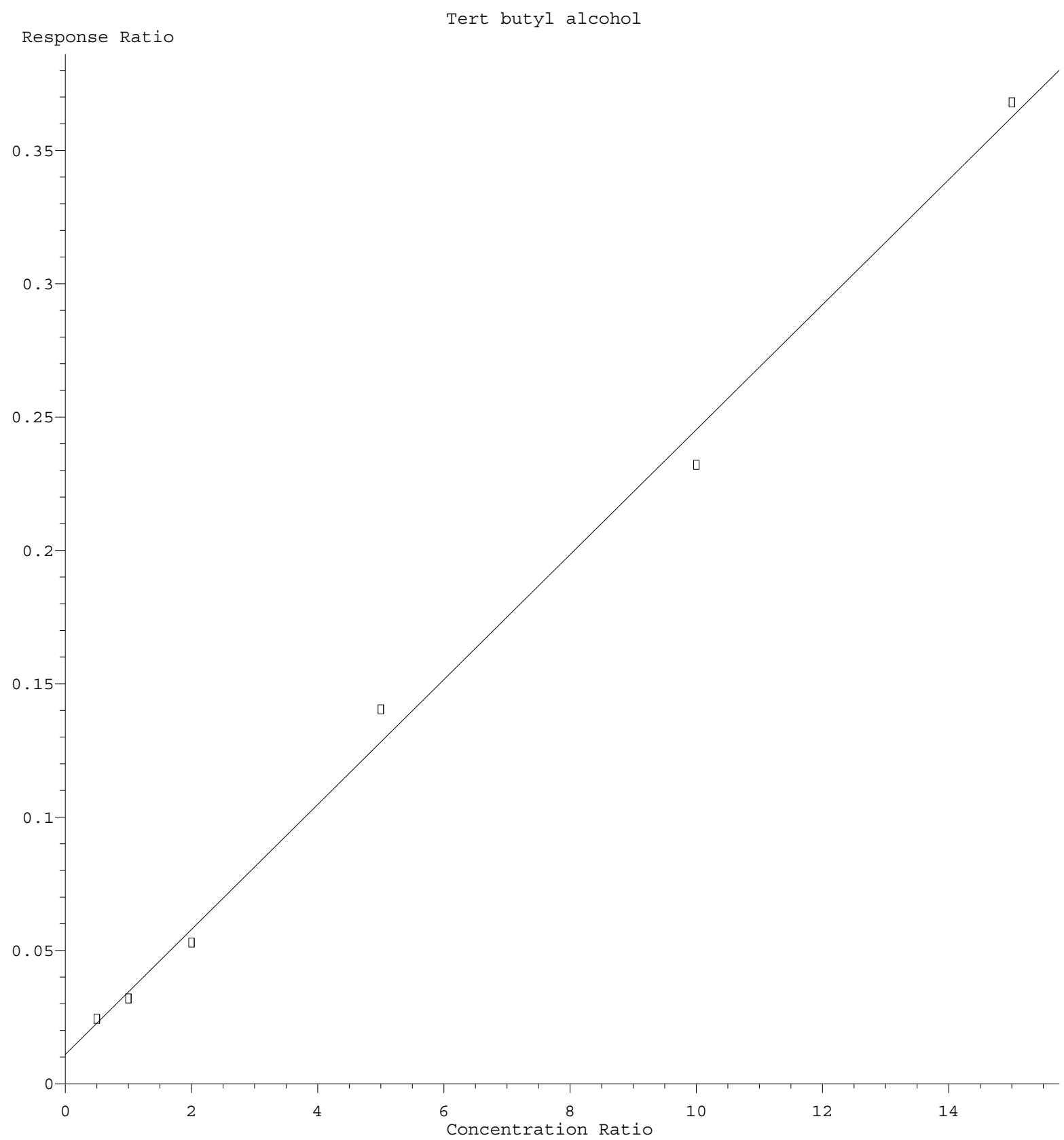
Calibration Files
5 =VY020706.D 10 =VY020707.D 20 =VY020708.D 50 =VY020709.D 100 =VY020711.D 150 =VY020710.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.368	0.453	0.375	0.405	0.385	0.376	0.394	8.03
3)	P	Chloromethane	0.136	0.154	0.131	0.157	0.155	0.148	0.147	7.55
4)	C	Vinyl Chloride	0.168	0.195	0.176	0.192	0.181	0.178	0.182	5.65#
5)	T	Bromomethane	0.131	0.149	0.128	0.141	0.138	0.136	0.137	5.45
6)	T	Chloroethane	0.101	0.116	0.102	0.113	0.111	0.112	0.109	5.60
7)	T	Trichlorofluor...	0.651	0.767	0.686	0.715	0.689	0.689	0.699	5.55
8)	T	Diethyl Ether	0.149	0.171	0.156	0.178	0.175	0.169	0.166	6.77
9)	T	1,1,2-Trichlor...	0.346	0.428	0.378	0.391	0.385	0.376	0.384	6.92
10)	T	Methyl Iodide	0.355	0.420	0.396	0.453	0.450	0.445	0.420	9.20
11)	T	Tert butyl alc...	0.049	0.032	0.026	0.028	0.023	0.025	0.031	30.94
12)	CM	1,1-Dichloroet...	0.326	0.359	0.330	0.352	0.344	0.340	0.342	3.73#
13)	T	Acrolein	0.010	0.012	0.012	0.006	0.006	0.006	0.009	33.13
14)	T	Allyl chloride	0.356	0.425	0.389	0.414	0.412	0.403	0.400	6.16
15)	T	Acrylonitrile	0.058	0.068	0.060	0.071	0.064	0.065	0.064	7.69
16)	T	Acetone	0.050	0.068	0.045	0.054	0.046	0.048	0.052	16.75
17)	T	Carbon Disulfide	0.745	0.854	0.769	0.906	0.889	0.867	0.838	7.86
18)	T	Methyl Acetate	0.115	0.155	0.132	0.159	0.140	0.144	0.141	11.41
19)	T	Methyl tert-bu...	0.880	1.004	0.922	1.015	0.951	0.942	0.952	5.34
20)	T	Methylene Chlo...	0.324	0.365	0.328	0.343	0.338	0.329	0.338	4.47
21)	T	trans-1,2-Dich...	0.339	0.378	0.356	0.391	0.378	0.368	0.368	4.98
22)	T	Diisopropyl ether	0.729	0.884	0.804	0.857	0.819	0.785	0.813	6.73
23)	T	Vinyl Acetate	0.430	0.498	0.469	0.537	0.491	0.488	0.486	7.27
24)	P	1,1-Dichloroet...	0.571	0.661	0.596	0.620	0.620	0.591	0.609	5.11
25)	T	2-Butanone	0.069	0.069	0.066	0.080	0.067	0.071	0.070	6.95
26)	T	2,2-Dichloropr...	0.755	0.811	0.722	0.750	0.725	0.713	0.746	4.78
27)	T	cis-1,2-Dichlo...	0.419	0.460	0.426	0.462	0.447	0.432	0.441	4.08
28)	T	Bromochloromet...	0.133	0.151	0.129	0.193	0.184	0.178	0.161	16.93
29)	T	Tetrahydrofuran	0.040	0.045	0.040	0.049	0.041	0.044	0.043	8.24
30)	C	Chloroform	0.839	0.821	0.753	0.788	0.762	0.742	0.784	4.99#
31)	T	Cyclohexane	0.629	0.582	0.493	0.510	0.479	0.463	0.526	12.40
32)	T	1,1,1-Trichlor...	0.814	0.897	0.826	0.859	0.831	0.816	0.840	3.78
33)	S	1,2-Dichloroet...	0.335	0.402	0.313	0.516	0.457	0.433	0.410	18.66
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.235	0.274	0.232	0.319	0.307	0.284	0.275	13.05
36)	T	1,1-Dichloropr...	0.337	0.393	0.350	0.374	0.370	0.359	0.364	5.34
37)	T	Ethyl Acetate	0.116	0.110	0.120	0.133	0.117	0.123	0.120	6.49
38)	T	Carbon Tetrach...	0.556	0.644	0.581	0.614	0.606	0.593	0.599	5.03
39)	T	Methylcyclohexane	0.427	0.483	0.462	0.485	0.474	0.468	0.466	4.55
40)	TM	Benzene	0.969	1.104	1.040	1.089	1.083	1.041	1.054	4.68
41)	T	Methacrylonitrile	0.051	0.058	0.067	0.056	0.065	0.065	0.061	10.48
42)	TM	1,2-Dichloroet...	0.297	0.352	0.325	0.364	0.348	0.342	0.338	7.04
43)	T	Isopropyl Acetate	0.229	0.246	0.240	0.287	0.261	0.265	0.255	8.13
44)	TM	Trichloroethene	0.288	0.336	0.315	0.324	0.317	0.309	0.315	5.06
45)	C	1,2-Dichloropr...	0.205	0.230	0.205	0.225	0.211	0.204	0.213	5.29#
46)	T	Dibromomethane	0.138	0.153	0.140	0.159	0.148	0.148	0.148	5.32
47)	T	Bromodichlorom...	0.384	0.444	0.415	0.433	0.421	0.416	0.419	4.89
48)	T	Methyl methacr...	0.106	0.119	0.112	0.131	0.124	0.122	0.119	7.40
49)	T	1,4-Dioxane	0.001	0.001	0.001	0.002	0.001	0.002	0.001	16.30
50)	S	Toluene-d8	0.733	0.883	0.733	1.227	1.158	1.093	0.971	22.39
51)	T	4-Methyl-2-Pen...	0.111	0.123	0.117	0.140	0.121	0.126	0.123	7.76
52)	CM	Toluene	0.654	0.751	0.722	0.745	0.741	0.723	0.723	4.92#
53)	T	t-1,3-Dichloro...	0.318	0.366	0.352	0.403	0.386	0.382	0.368	8.17
54)	T	cis-1,3-Dichlo...	0.361	0.408	0.395	0.430	0.413	0.410	0.403	5.78
55)	T	1,1,2-Trichlor...	0.182	0.187	0.186	0.199	0.188	0.189	0.188	3.08

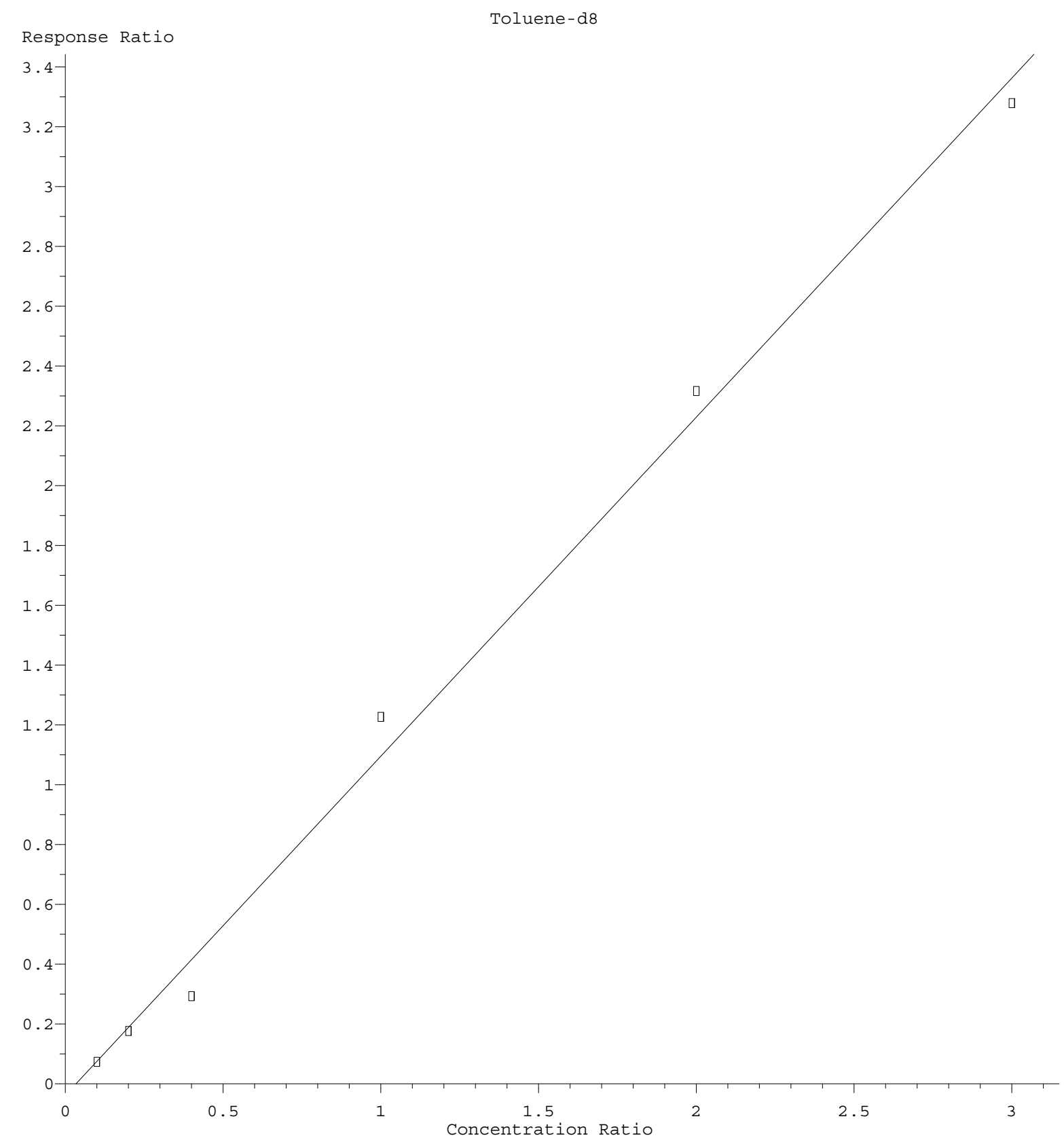
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y122624S.M

56)	T	Ethyl methacry...	0.193	0.249	0.243	0.277	0.258	0.266	0.248	11.94
57)	T	1,3-Dichloropr...	0.265	0.310	0.299	0.334	0.315	0.312	0.306	7.47
58)	T	2-Chloroethyl ...	0.067	0.079	0.079	0.102	0.095	0.096	0.086	15.15
59)	T	2-Hexanone	0.066	0.077	0.078	0.096	0.083	0.087	0.081	12.38
60)	T	Dibromochlorom...	0.276	0.321	0.294	0.316	0.312	0.309	0.305	5.52
61)	T	1,2-Dibromoethane	0.158	0.179	0.175	0.191	0.178	0.184	0.177	6.11
62)	S	4-Bromofluorob...	0.303	0.378	0.319	0.426	0.397	0.373	0.366	12.82
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.308	0.360	0.348	0.351	0.346	0.337	0.342	5.28
65)	PM	Chlorobenzene	0.925	1.044	0.976	1.002	0.985	0.943	0.979	4.33
66)	T	1,1,1,2-Tetrac...	0.365	0.406	0.367	0.390	0.383	0.366	0.379	4.39
67)	C	Ethyl Benzene	1.540	1.810	1.715	1.778	1.743	1.682	1.711	5.57#
68)	T	m/p-Xylenes	0.590	0.691	0.649	0.675	0.667	0.643	0.653	5.40
69)	T	o-Xylene	0.552	0.666	0.639	0.650	0.632	0.603	0.624	6.56
70)	T	Styrene	0.958	1.076	1.061	1.090	1.075	1.022	1.047	4.71
71)	P	Bromoform	0.188	0.227	0.212	0.241	0.222	0.218	0.218	8.20
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.123	3.801	3.508	3.476	3.474	3.402	3.464	6.27
74)	T	N-amyl acetate	0.391	0.483	0.476	0.547	0.518	0.538	0.492	11.64
75)	P	1,1,2,2-Tetrac...	0.430	0.438	0.438	0.476	0.431	0.451	0.444	3.85
76)	T	1,2,3-Trichlor...	0.376	0.226	0.360	0.300	0.284	0.362	0.318	18.29
77)	T	Bromobenzene	0.762	0.827	0.779	0.816	0.805	0.796	0.797	3.01
78)	T	n-propylbenzene	3.521	4.231	3.972	3.896	3.902	3.774	3.883	6.02
79)	T	2-Chlorotoluene	2.010	2.378	2.228	2.258	2.226	2.180	2.213	5.43
80)	T	1,3,5-Trimethy...	2.645	3.101	2.909	2.947	2.903	2.812	2.886	5.24
81)	T	trans-1,4-Dich...	0.151	0.153	0.155	0.175	0.165	0.165	0.161	5.87
82)	T	4-Chlorotoluene	2.099	2.437	2.294	2.344	2.310	2.240	2.287	4.95
83)	T	tert-Butylbenzene	2.487	2.888	2.751	2.727	2.687	2.632	2.695	4.94
84)	T	1,2,4-Trimethy...	2.513	2.946	2.860	2.888	2.867	2.777	2.809	5.51
85)	T	sec-Butylbenzene	3.316	3.880	3.730	3.676	3.653	3.540	3.633	5.25
86)	T	p-Isopropyltol...	2.922	3.487	3.288	3.295	3.259	3.173	3.237	5.74
87)	T	1,3-Dichlorobe...	1.428	1.670	1.567	1.578	1.579	1.529	1.559	5.06
88)	T	1,4-Dichlorobe...	1.492	1.625	1.562	1.572	1.549	1.502	1.550	3.15
89)	T	n-Butylbenzene	2.356	2.894	2.764	2.757	2.760	2.683	2.702	6.77
90)	T	Hexachloroethane	0.586	0.657	0.601	0.616	0.625	0.609	0.616	3.97
91)	T	1,2-Dichlorobe...	1.197	1.374	1.362	1.410	1.347	1.328	1.336	5.50
92)	T	1,2-Dibromo-3-...	0.068	0.089	0.086	0.098	0.086	0.090	0.086	11.75
93)	T	1,2,4-Trichlor...	0.666	0.826	0.811	0.902	0.944	0.947	0.849	12.58
94)	T	Hexachlorobuta...	0.538	0.652	0.608	0.624	0.658	0.635	0.619	7.05
95)	T	Naphthalene	0.979	1.248	1.290	1.528	1.513	1.604	1.360	17.19
96)	T	1,2,3-Trichlor...	0.531	0.678	0.678	0.773	0.787	0.796	0.707	14.34

(#) = Out of Range



Response = 2.347e-002 * Amt + 1.057e-002
Coef of Det (r^2) = 0.995835 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y122624S.M
Calibration Table Last Updated: Thu Dec 26 16:12:28 2024



Response = 1.134e+000 * Amt - 3.913e-002
Coef of Det (r^2) = 0.994604 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y122624S.M
Calibration Table Last Updated: Thu Dec 26 16:12:28 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020706.D
Acq On : 26 Dec 2024 09:31
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:01:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 15:59:15 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.720	168	118156	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	168634	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	139342	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	68108	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	3955	4.087	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	8.180%#			
35) Dibromofluoromethane	7.646	113	3966	4.270	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.540%#			
50) Toluene-d8	10.115	98	12366	4.957	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.920%#			
62) 4-Bromofluorobenzene	12.414	95	5109	4.139	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	8.280%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	4346	4.673	ug/l		85
3) Chloromethane	2.074	50	1604	4.624	ug/l		98
4) Vinyl Chloride	2.214	62	1987	4.624	ug/l		97
5) Bromomethane	2.611	94	1547	4.768	ug/l		81
6) Chloroethane	2.757	64	1195	4.635	ug/l	#	81
7) Trichlorofluoromethane	3.074	101	7688	4.652	ug/l		88
8) Diethyl Ether	3.470	74	1765	4.488	ug/l		83
9) 1,1,2-Trichlorotrifluo...	3.824	101	4090	4.508	ug/l		93
10) Methyl Iodide	4.019	142	4193	4.226	ug/l		99
11) Tert butyl alcohol	4.885	59	2879m	29.170	ug/l		
12) 1,1-Dichloroethene	3.818	96	3846	4.763	ug/l	#	80
13) Acrolein	3.678	56	596	29.459	ug/l		93
14) Allyl chloride	4.403	41	4206	4.451	ug/l		99
15) Acrylonitrile	5.074	53	3397	22.361	ug/l	#	89
16) Acetone	3.897	43	2982	24.288	ug/l		95
17) Carbon Disulfide	4.129	76	8806	4.445	ug/l		97
18) Methyl Acetate	4.403	43	1356	4.081	ug/l		99
19) Methyl tert-butyl Ether	5.129	73	10398	4.620	ug/l		97
20) Methylene Chloride	4.641	84	3827m	4.796	ug/l		
21) trans-1,2-Dichloroethene	5.122	96	4008	4.606	ug/l		91
22) Diisopropyl ether	6.031	45	8608	4.481	ug/l	#	86
23) Vinyl Acetate	5.982	43	25395	22.132	ug/l		99
24) 1,1-Dichloroethane	5.927	63	6745	4.683	ug/l		93
25) 2-Butanone	6.909	43	4081	24.607	ug/l		94
26) 2,2-Dichloropropane	6.890	77	8915	5.057	ug/l		94
27) cis-1,2-Dichloroethene	6.915	96	4953	4.753	ug/l		95
28) Bromochloromethane	7.268	49	1572	4.127	ug/l	#	100
29) Tetrahydrofuran	7.281	42	2337	22.956	ug/l		95
30) Chloroform	7.433	83	9912	5.350	ug/l		93
31) Cyclohexane	7.713	56	7429	5.976	ug/l	#	81
32) 1,1,1-Trichloroethane	7.634	97	9621	4.844	ug/l		98
36) 1,1-Dichloropropene	7.848	75	5685	4.633	ug/l		96
37) Ethyl Acetate	7.012	43	1951	4.825	ug/l	#	86
38) Carbon Tetrachloride	7.829	117	9371	4.638	ug/l		97
39) Methylcyclohexane	9.122	83	7196	4.576	ug/l		95
40) Benzene	8.098	78	16340	4.595	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020706.D
Acq On : 26 Dec 2024 09:31
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Dec 26 16:01:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 15:59:15 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	865	4.235	ug/l	#	84
42) 1,2-Dichloroethane	8.171	62	5012	4.396	ug/l		99
43) Isopropyl Acetate	8.201	43	3867	4.500	ug/l		99
44) Trichloroethene	8.872	130	4862	4.578	ug/l		98
45) 1,2-Dichloropropane	9.152	63	3462	4.810	ug/l		94
46) Dibromomethane	9.238	93	2330	4.678	ug/l		96
47) Bromodichloromethane	9.433	83	6469	4.581	ug/l		89
48) Methyl methacrylate	9.238	41	1784	4.445	ug/l		92
49) 1,4-Dioxane	9.250	88	342	72.090	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.006	43	9383	22.620	ug/l		99
52) Toluene	10.182	92	11031	4.526	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	5357	4.320	ug/l		97
54) cis-1,3-Dichloropropene	9.865	75	6091	4.481	ug/l		92
55) 1,1,2-Trichloroethane	10.579	97	3068	4.826	ug/l	#	93
56) Ethyl methacrylate	10.445	69	3250	3.891	ug/l		94
57) 1,3-Dichloropropane	10.725	76	4475	4.337	ug/l		95
58) 2-Chloroethyl Vinyl ether	9.719	63	5665	19.451	ug/l		95
59) 2-Hexanone	10.768	43	5560	20.301	ug/l		95
60) Dibromochloromethane	10.920	129	4656	4.532	ug/l		100
61) 1,2-Dibromoethane	11.024	107	2672	4.467	ug/l		93
64) Tetrachloroethene	10.652	164	4294	4.511	ug/l		92
65) Chlorobenzene	11.451	112	12888	4.724	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	5080	4.806	ug/l		95
67) Ethyl Benzene	11.524	91	21456	4.499	ug/l		100
68) m/p-Xylenes	11.640	106	16447	9.042	ug/l		99
69) o-Xylene	11.963	106	7691	4.425	ug/l		95
70) Styrene	11.981	104	13353	4.577	ug/l		96
71) Bromoform	12.146	173	2618	4.308	ug/l	#	98
73) Isopropylbenzene	12.261	105	21271	4.508	ug/l		97
74) N-amyl acetate	12.078	43	2662	3.970	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.511	83	2932	4.847	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	2559m	5.265	ug/l		
77) Bromobenzene	12.542	156	5187	4.775	ug/l		95
78) n-propylbenzene	12.603	91	23980	4.534	ug/l		99
79) 2-Chlorotoluene	12.688	91	13687	4.540	ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	18014	4.582	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	1030	4.700	ug/l		94
82) 4-Chlorotoluene	12.786	91	14294	4.588	ug/l		97
83) tert-Butylbenzene	13.005	119	16938	4.613	ug/l		99
84) 1,2,4-Trimethylbenzene	13.054	105	17114	4.473	ug/l		97
85) sec-Butylbenzene	13.182	105	22583	4.564	ug/l		97
86) p-Isopropyltoluene	13.298	119	19901	4.513	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	9727	4.582	ug/l		95
88) 1,4-Dichlorobenzene	13.377	146	10161	4.811	ug/l		93
89) n-Butylbenzene	13.627	91	16045	4.359	ug/l		98
90) Hexachloroethane	13.883	117	3991	4.760	ug/l		95
91) 1,2-Dichlorobenzene	13.670	146	8154	4.480	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.291	75	460	3.921	ug/l		86
93) 1,2,4-Trichlorobenzene	14.932	180	4536	3.920	ug/l		95
94) Hexachlorobutadiene	15.035	225	3664	4.345	ug/l		98
95) Naphthalene	15.157	128	6669	3.599	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	3615	3.753	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020706.D
Acq On : 26 Dec 2024 09:31
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:01:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 15:59:15 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

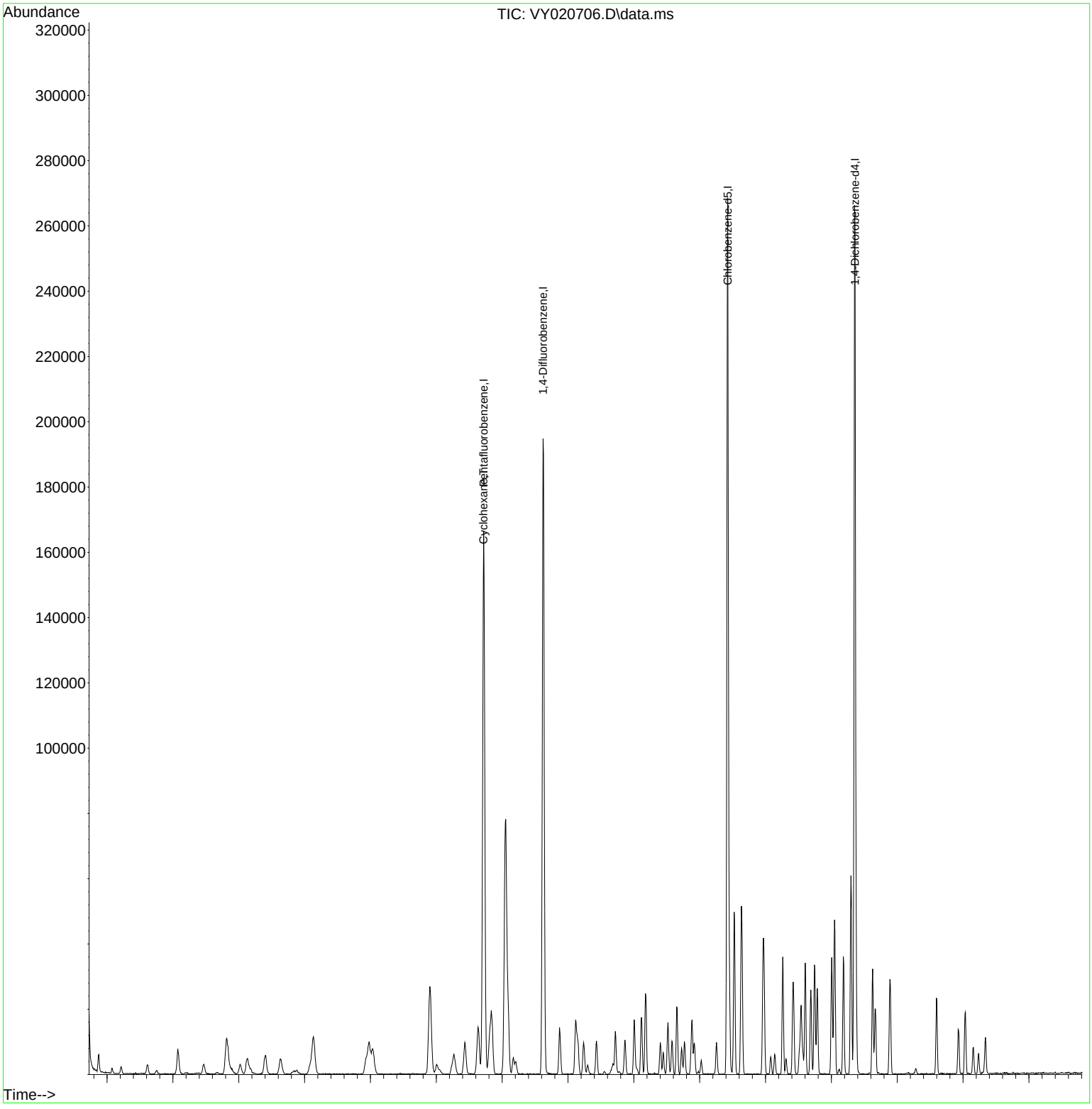
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020706.D
Acq On : 26 Dec 2024 09:31
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 26 16:01:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 15:59:15 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020707.D
Acq On : 26 Dec 2024 09:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:05:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	113806	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.621	114	160513	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	134187	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	67536	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	9148	9.814	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.620%#			
35) Dibromofluoromethane	7.646	113	8811	9.966	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.940%#			
50) Toluene-d8	10.115	98	28333	9.506	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.020%#			
62) 4-Bromofluorobenzene	12.413	95	12144	10.336	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	20.680%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	10304	11.503	ug/l		90
3) Chloromethane	2.080	50	3515	10.521	ug/l		97
4) Vinyl Chloride	2.214	62	4449	10.748	ug/l		97
5) Bromomethane	2.610	94	3397	10.870	ug/l		93
6) Chloroethane	2.751	64	2641	10.636	ug/l		90
7) Trichlorofluoromethane	3.074	101	17447	10.961	ug/l		95
8) Diethyl Ether	3.464	74	3903	10.304	ug/l		93
9) 1,1,2-Trichlorotrifluo...	3.830	101	9745	11.152	ug/l		99
10) Methyl Iodide	4.019	142	9549	9.993	ug/l		100
11) Tert butyl alcohol	4.872	59	3641	45.628	ug/l		99
12) 1,1-Dichloroethene	3.811	96	8169	10.503	ug/l		90
13) Acrolein	3.677	56	1325	67.996	ug/l		90
14) Allyl chloride	4.403	41	9677	10.632	ug/l		94
15) Acrylonitrile	5.079	53	7720	52.760	ug/l		94
16) Acetone	3.891	43	7777	65.764	ug/l		90
17) Carbon Disulfide	4.122	76	19437	10.187	ug/l		99
18) Methyl Acetate	4.397	43	3518	10.992	ug/l		95
19) Methyl tert-butyl Ether	5.134	73	22860	10.545	ug/l		97
20) Methylene Chloride	4.640	84	8316	10.812	ug/l	#	88
21) trans-1,2-Dichloroethene	5.134	96	8600	10.261	ug/l		98
22) Diisopropyl ether	6.030	45	20110	10.869	ug/l		93
23) Vinyl Acetate	5.976	43	56669	51.276	ug/l		98
24) 1,1-Dichloroethane	5.939	63	15035	10.838	ug/l	#	95
25) 2-Butanone	6.914	43	7858	49.191	ug/l		93
26) 2,2-Dichloropropane	6.902	77	18453	10.868	ug/l		96
27) cis-1,2-Dichloroethene	6.908	96	10464	10.425	ug/l		98
28) Bromochloromethane	7.262	49	3437	9.369	ug/l	#	92
29) Tetrahydrofuran	7.274	42	5125	52.267	ug/l		99
30) Chloroform	7.433	83	18692	10.474	ug/l		88
31) Cyclohexane	7.719	56	13258	11.072	ug/l	#	92
32) 1,1,1-Trichloroethane	7.634	97	20406	10.668	ug/l		98
36) 1,1-Dichloropropene	7.847	75	12601	10.790	ug/l		98
37) Ethyl Acetate	6.994	43	3547	9.217	ug/l		100
38) Carbon Tetrachloride	7.829	117	20683	10.755	ug/l		94
39) Methylcyclohexane	9.115	83	15497	10.353	ug/l		95
40) Benzene	8.091	78	35447	10.473	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020707.D
Acq On : 26 Dec 2024 09:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 26 16:05:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	1876	9.650	ug/l	#	68
42) 1,2-Dichloroethane	8.170	62	11313	10.424	ug/l		99
43) Isopropyl Acetate	8.207	43	7905	9.664	ug/l	#	87
44) Trichloroethene	8.878	130	10790	10.673	ug/l		96
45) 1,2-Dichloropropane	9.146	63	7377	10.767	ug/l		91
46) Dibromomethane	9.237	93	4900	10.336	ug/l		94
47) Bromodichloromethane	9.432	83	14245	10.599	ug/l		98
48) Methyl methacrylate	9.231	41	3827	10.018	ug/l		94
49) 1,4-Dioxane	9.243	88	924	204.624	ug/l		90
51) 4-Methyl-2-Pentanone	10.005	43	19722	49.951	ug/l		99
52) Toluene	10.176	92	24111	10.393	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	11736	9.942	ug/l		98
54) cis-1,3-Dichloropropene	9.865	75	13095	10.121	ug/l		97
55) 1,1,2-Trichloroethane	10.578	97	5992	9.902	ug/l		94
56) Ethyl methacrylate	10.444	69	7986	10.046	ug/l		96
57) 1,3-Dichloropropane	10.725	76	9956	10.137	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.719	63	12740	45.957	ug/l		97
59) 2-Hexanone	10.767	43	12416	47.628	ug/l		100
60) Dibromochloromethane	10.920	129	10320	10.554	ug/l		96
61) 1,2-Dibromoethane	11.023	107	5732	10.067	ug/l		97
64) Tetrachloroethene	10.658	164	9654	10.530	ug/l		93
65) Chlorobenzene	11.450	112	28012	10.661	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	10891	10.699	ug/l		99
67) Ethyl Benzene	11.529	91	48565	10.575	ug/l		97
68) m/p-Xylenes	11.639	106	37110	21.184	ug/l		99
69) o-Xylene	11.962	106	17878	10.682	ug/l		99
70) Styrene	11.975	104	28883	10.280	ug/l		99
71) Bromoform	12.133	173	6103	10.428	ug/l	#	98
73) Isopropylbenzene	12.261	105	51343	10.973	ug/l		99
74) N-amyl acetate	12.078	43	6525	9.813	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	5918	9.866	ug/l		94
76) 1,2,3-Trichloropropane	12.566	75	3057m	5.738	ug/l		
77) Bromobenzene	12.541	156	11164	10.365	ug/l		94
78) n-propylbenzene	12.602	91	57154	10.898	ug/l		100
79) 2-Chlorotoluene	12.688	91	32123	10.745	ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	41891	10.746	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	2060	9.480	ug/l		92
82) 4-Chlorotoluene	12.785	91	32918	10.654	ug/l		100
83) tert-Butylbenzene	13.005	119	39005	10.714	ug/l		100
84) 1,2,4-Trimethylbenzene	13.054	105	39791	10.489	ug/l		96
85) sec-Butylbenzene	13.182	105	52410	10.682	ug/l		97
86) p-Isopropyltoluene	13.297	119	47106	10.773	ug/l		99
87) 1,3-Dichlorobenzene	13.297	146	22556	10.715	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	21947	10.480	ug/l		96
89) n-Butylbenzene	13.627	91	39091	10.710	ug/l		99
90) Hexachloroethane	13.889	117	8880	10.680	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	18554	10.279	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.285	75	1198	10.298	ug/l		98
93) 1,2,4-Trichlorobenzene	14.931	180	11153	9.721	ug/l		97
94) Hexachlorobutadiene	15.035	225	8808	10.534	ug/l		98
95) Naphthalene	15.151	128	16857	9.174	ug/l		98
96) 1,2,3-Trichlorobenzene	15.340	180	9155	9.584	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020707.D
Acq On : 26 Dec 2024 09:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:05:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 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

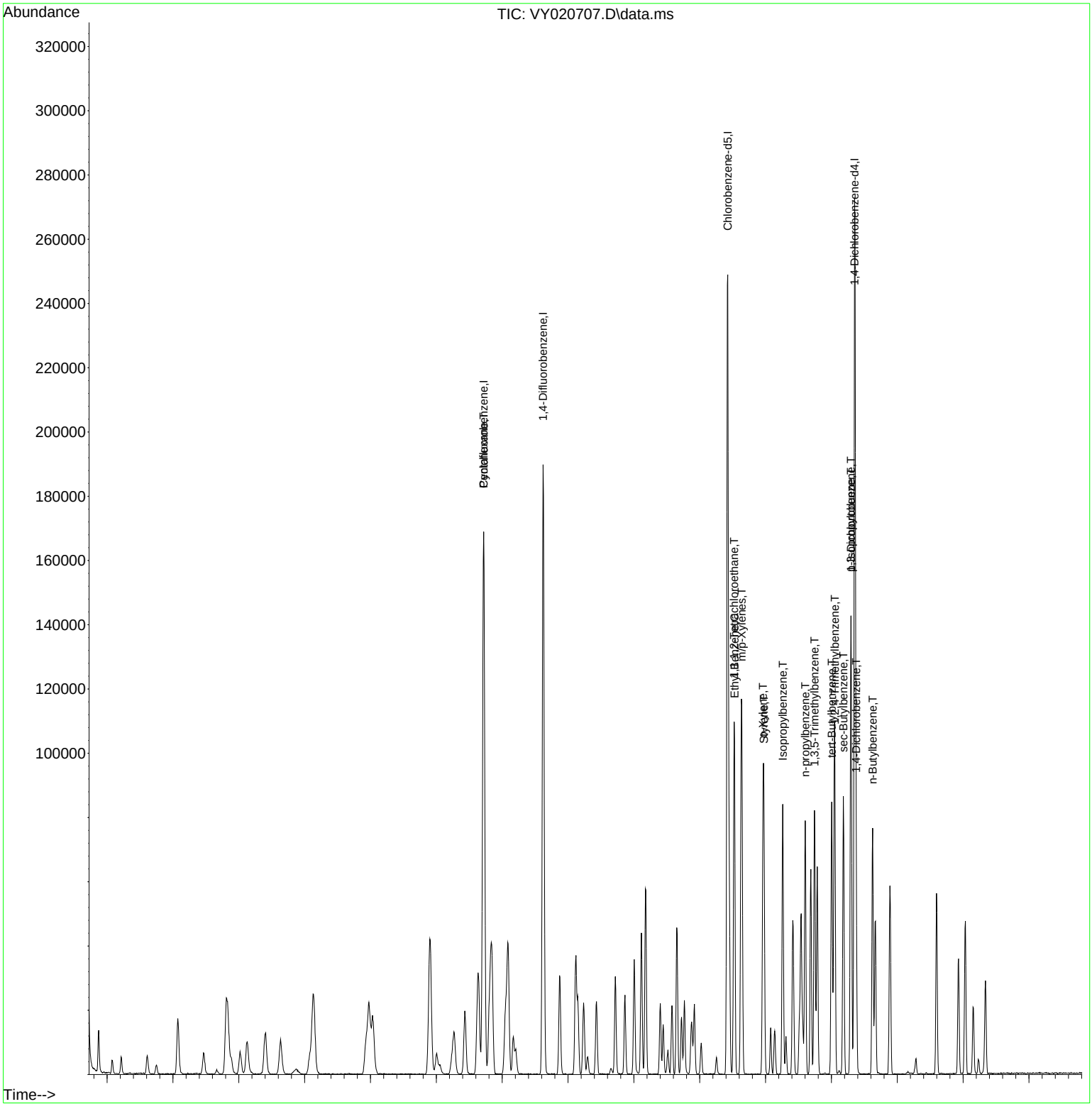
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020707.D
Acq On : 26 Dec 2024 09:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 26 16:05:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020708.D
Acq On : 26 Dec 2024 10:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:05:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.720	168	124056	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	173311	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	146011	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	74311	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	15547	15.300	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	30.600%#			
35) Dibromofluoromethane	7.646	113	16110	16.876	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	33.760%#			
50) Toluene-d8	10.115	98	50794	14.644	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	29.280%#			
62) 4-Bromofluorobenzene	12.414	95	22093	17.414	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	34.820%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	18601	19.049	ug/l		92
3) Chloromethane	2.074	50	6487	17.813	ug/l		96
4) Vinyl Chloride	2.214	62	8742	19.375	ug/l		98
5) Bromomethane	2.611	94	6370	18.699	ug/l		96
6) Chloroethane	2.745	64	5058	18.687	ug/l		96
7) Trichlorofluoromethane	3.074	101	34026	19.610	ug/l		99
8) Diethyl Ether	3.470	74	7737	18.739	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.824	101	18742	19.675	ug/l		97
10) Methyl Iodide	4.019	142	19652	18.866	ug/l		99
11) Tert butyl alcohol	4.897	59	6567	90.235	ug/l	#	88
12) 1,1-Dichloroethene	3.806	96	16374	19.312	ug/l		93
13) Acrolein	3.665	56	2867	134.971	ug/l		94
14) Allyl chloride	4.403	41	19316	19.468	ug/l		96
15) Acrylonitrile	5.074	53	14919	93.535	ug/l		99
16) Acetone	3.885	43	11272	87.443	ug/l		99
17) Carbon Disulfide	4.123	76	38140	18.338	ug/l		96
18) Methyl Acetate	4.403	43	6527	18.708	ug/l		93
19) Methyl tert-butyl Ether	5.135	73	45739	19.355	ug/l		97
20) Methylene Chloride	4.629	84	16287	19.426	ug/l		87
21) trans-1,2-Dichloroethene	5.128	96	17672	19.342	ug/l		96
22) Diisopropyl ether	6.031	45	39891	19.778	ug/l		97
23) Vinyl Acetate	5.976	43	116269	96.512	ug/l		99
24) 1,1-Dichloroethane	5.939	63	29556	19.545	ug/l		98
25) 2-Butanone	6.903	43	16336	93.814	ug/l		95
26) 2,2-Dichloropropane	6.903	77	35847	19.368	ug/l		99
27) cis-1,2-Dichloroethene	6.909	96	21139	19.320	ug/l		98
28) Bromochloromethane	7.256	49	6388	15.974	ug/l		93
29) Tetrahydrofuran	7.274	42	9908	92.698	ug/l		94
30) Chloroform	7.433	83	37350	19.200	ug/l		97
31) Cyclohexane	7.720	56	24456	18.736	ug/l	#	95
32) 1,1,1-Trichloroethane	7.628	97	40987	19.656	ug/l		99
36) 1,1-Dichloropropene	7.848	75	24262	19.240	ug/l		98
37) Ethyl Acetate	6.994	43	8299	19.972	ug/l		96
38) Carbon Tetrachloride	7.829	117	40302	19.409	ug/l		96
39) Methylcyclohexane	9.116	83	32007	19.803	ug/l		94
40) Benzene	8.091	78	72108	19.731	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020708.D
Acq On : 26 Dec 2024 10:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Dec 26 16:05:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	4661	22.206	ug/l		97
42) 1,2-Dichloroethane	8.171	62	22531	19.227	ug/l		99
43) Isopropyl Acetate	8.207	43	16635	18.834	ug/l		98
44) Trichloroethene	8.878	130	21859	20.026	ug/l		88
45) 1,2-Dichloropropane	9.152	63	14245	19.256	ug/l		92
46) Dibromomethane	9.238	93	9719	18.988	ug/l		97
47) Bromodichloromethane	9.433	83	28737	19.803	ug/l		96
48) Methyl methacrylate	9.225	41	7787	18.879	ug/l		99
49) 1,4-Dioxane	9.238	88	1825	374.309	ug/l		94
51) 4-Methyl-2-Pentanone	10.006	43	40592	95.218	ug/l		99
52) Toluene	10.176	92	50060	19.986	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	24428	19.166	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	27417	19.625	ug/l		99
55) 1,1,2-Trichloroethane	10.579	97	12886	19.722	ug/l		94
56) Ethyl methacrylate	10.445	69	16830	19.607	ug/l		97
57) 1,3-Dichloropropane	10.725	76	20740	19.558	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.719	63	27533	91.985	ug/l		99
59) 2-Hexanone	10.768	43	27109	96.312	ug/l		100
60) Dibromochloromethane	10.920	129	20354	19.279	ug/l		99
61) 1,2-Dibromoethane	11.018	107	12098	19.678	ug/l		97
64) Tetrachloroethene	10.658	164	20307	20.357	ug/l		97
65) Chlorobenzene	11.451	112	56993	19.935	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	21420	19.338	ug/l		96
67) Ethyl Benzene	11.524	91	100148	20.042	ug/l		99
68) m/p-Xylenes	11.633	106	75856	39.796	ug/l		99
69) o-Xylene	11.963	106	37301	20.482	ug/l		96
70) Styrene	11.975	104	61946	20.262	ug/l		98
71) Bromoform	12.139	173	12354	19.400	ug/l	#	96
73) Isopropylbenzene	12.261	105	104274	20.254	ug/l		100
74) N-amyl acetate	12.078	43	14154	19.346	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.511	83	13030	19.742	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	10691m	18.239	ug/l		
77) Bromobenzene	12.536	156	23151	19.534	ug/l		98
78) n-propylbenzene	12.603	91	118053	20.458	ug/l		99
79) 2-Chlorotoluene	12.688	91	66234	20.135	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	86460	20.157	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	4620	19.322	ug/l		91
82) 4-Chlorotoluene	12.786	91	68187	20.057	ug/l		100
83) tert-Butylbenzene	13.005	119	81757	20.410	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	85025	20.370	ug/l		97
85) sec-Butylbenzene	13.182	105	110869	20.536	ug/l		99
86) p-Isopropyltoluene	13.298	119	97722	20.311	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	46587	20.113	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	46439	20.154	ug/l		98
89) n-Butylbenzene	13.627	91	82147	20.454	ug/l		99
90) Hexachloroethane	13.889	117	17856	19.517	ug/l		98
91) 1,2-Dichlorobenzene	13.664	146	40471	20.378	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2548	19.905	ug/l		97
93) 1,2,4-Trichlorobenzene	14.932	180	24098	19.089	ug/l		97
94) Hexachlorobutadiene	15.029	225	18082	19.654	ug/l		99
95) Naphthalene	15.151	128	38351	18.968	ug/l		98
96) 1,2,3-Trichlorobenzene	15.340	180	20167	19.187	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020708.D
Acq On : 26 Dec 2024 10:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:05:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 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

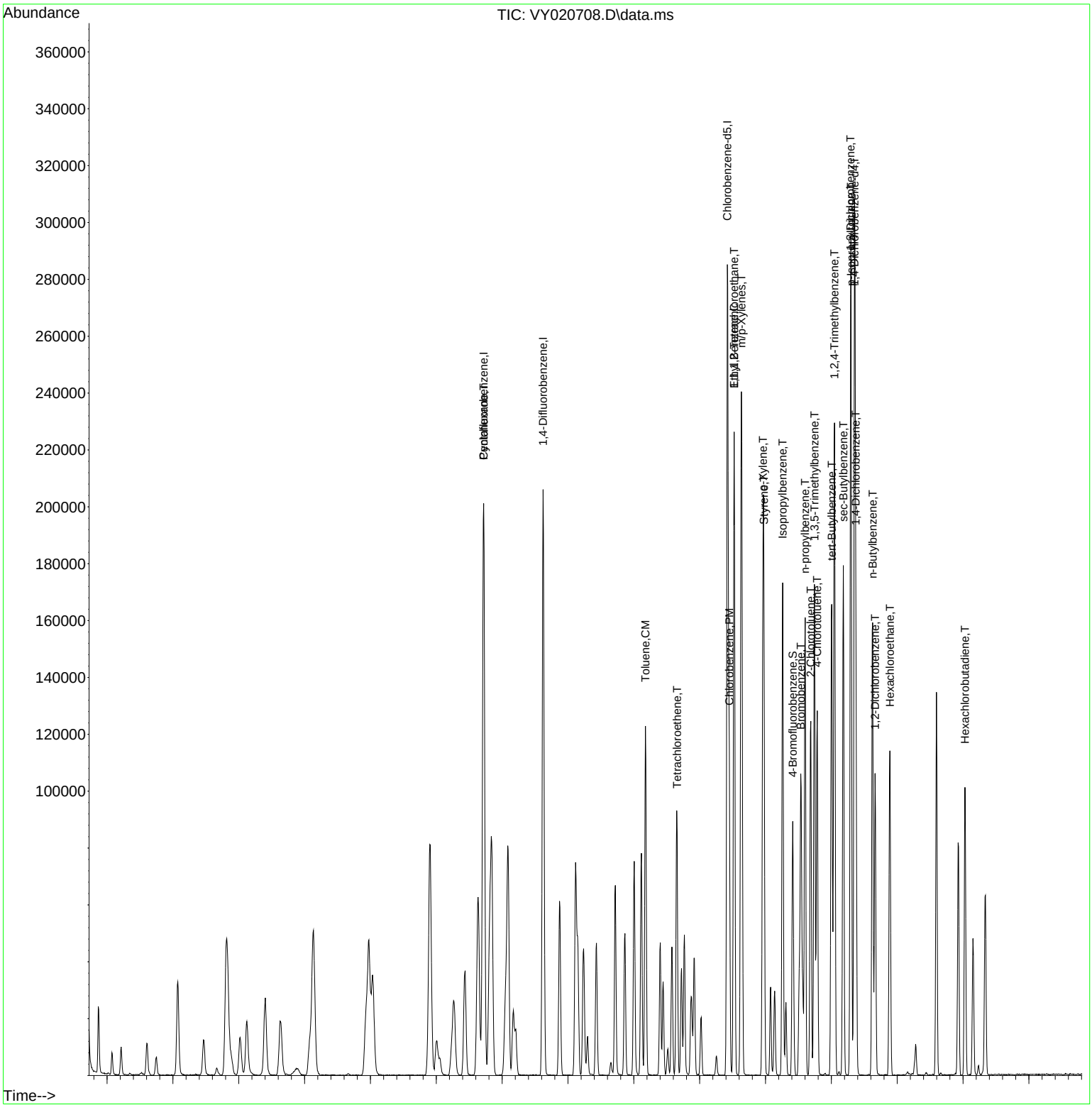
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020708.D
Acq On : 26 Dec 2024 10:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 26 16:05:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020709.D
Acq On : 26 Dec 2024 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Dec 26 16:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	95919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	134605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	116249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	60351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	49534	63.047	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.100%			
35) Dibromofluoromethane	7.646	113	42955	57.936	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.880%			
50) Toluene-d8	10.115	98	165135	55.802	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.600%			
62) 4-Bromofluorobenzene	12.414	95	57393	58.248	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 116.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	38801	51.393	ug/l	98
3) Chloromethane	2.074	50	15038	53.407	ug/l	98
4) Vinyl Chloride	2.214	62	18435	52.843	ug/l	99
5) Bromomethane	2.611	94	13527	51.355	ug/l	93
6) Chloroethane	2.745	64	10817	51.686	ug/l	98
7) Trichlorofluoromethane	3.074	101	68580	51.119	ug/l	99
8) Diethyl Ether	3.464	74	17063	53.449	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.830	101	37468	50.872	ug/l	99
10) Methyl Iodide	4.019	142	43478	53.984	ug/l	97
11) Tert butyl alcohol	4.879	59	13467	276.533	ug/l #	91
12) 1,1-Dichloroethene	3.806	96	33758	51.495	ug/l	97
13) Acrolein	3.665	56	3048	185.584	ug/l	98
14) Allyl chloride	4.397	41	39674	51.717	ug/l	96
15) Acrylonitrile	5.074	53	34070	276.260	ug/l	98
16) Acetone	3.879	43	26066	261.525	ug/l	97
17) Carbon Disulfide	4.123	76	86912	54.046	ug/l	100
18) Methyl Acetate	4.397	43	15232	56.466	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	97389	53.300	ug/l	96
20) Methylene Chloride	4.635	84	32892	50.741	ug/l	93
21) trans-1,2-Dichloroethene	5.128	96	37498	53.081	ug/l	95
22) Diisopropyl ether	6.031	45	82233	52.731	ug/l	98
23) Vinyl Acetate	5.976	43	257552	276.499	ug/l	99
24) 1,1-Dichloroethane	5.933	63	59422	50.822	ug/l	99
25) 2-Butanone	6.903	43	38144	283.310	ug/l	97
26) 2,2-Dichloropropane	6.896	77	71954	50.280	ug/l	100
27) cis-1,2-Dichloroethene	6.903	96	44338	52.410	ug/l	97
28) Bromochloromethane	7.256	49	18465	59.719	ug/l	96
29) Tetrahydrofuran	7.274	42	23409	283.255	ug/l	96
30) Chloroform	7.433	83	75540	50.224	ug/l	93
31) Cyclohexane	7.713	56	48960	48.512	ug/l	99
32) 1,1,1-Trichloroethane	7.628	97	82365	51.087	ug/l	99
36) 1,1-Dichloropropene	7.848	75	50348	51.408	ug/l	99
37) Ethyl Acetate	7.000	43	17946	55.607	ug/l	99
38) Carbon Tetrachloride	7.829	117	82604	51.220	ug/l	97
39) Methylcyclohexane	9.116	83	65222	51.957	ug/l	99
40) Benzene	8.091	78	146525	51.623	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020709.D
Acq On : 26 Dec 2024 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Dec 26 16:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	7518	46.116	ug/l	#	71
42) 1,2-Dichloroethane	8.165	62	49005	53.844	ug/l		100
43) Isopropyl Acetate	8.207	43	38693	56.406	ug/l		99
44) Trichloroethene	8.872	130	43575	51.399	ug/l		90
45) 1,2-Dichloropropane	9.152	63	30307	52.749	ug/l		95
46) Dibromomethane	9.238	93	21455	53.969	ug/l		97
47) Bromodichloromethane	9.433	83	58285	51.714	ug/l		93
48) Methyl methacrylate	9.225	41	17575	54.863	ug/l		99
49) 1,4-Dioxane	9.238	88	4523	1194.426	ug/l		98
51) 4-Methyl-2-Pentanone	10.006	43	93936	283.711	ug/l		99
52) Toluene	10.176	92	100248	51.531	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	54221	54.774	ug/l		100
54) cis-1,3-Dichloropropene	9.865	75	57850	53.316	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	26808	52.828	ug/l		99
56) Ethyl methacrylate	10.445	69	37346	56.020	ug/l		98
57) 1,3-Dichloropropane	10.725	76	44949	54.576	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	68375	294.122	ug/l		100
59) 2-Hexanone	10.768	43	64500	295.048	ug/l		98
60) Dibromochloromethane	10.920	129	42531	51.869	ug/l		96
61) 1,2-Dibromoethane	11.018	107	25662	53.744	ug/l		98
64) Tetrachloroethene	10.652	164	40834	51.414	ug/l		96
65) Chlorobenzene	11.451	112	116432	51.151	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	45293	51.360	ug/l		99
67) Ethyl Benzene	11.524	91	206644	51.942	ug/l		98
68) m/p-Xylenes	11.633	106	156992	103.449	ug/l		99
69) o-Xylene	11.963	106	75564	52.115	ug/l		99
70) Styrene	11.975	104	126718	52.061	ug/l		99
71) Bromoform	12.139	173	28066	55.357	ug/l	#	99
73) Isopropylbenzene	12.261	105	209755	50.166	ug/l		99
74) N-amyl acetate	12.078	43	33024	55.579	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	28705	53.553	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	18132m	38.088	ug/l		
77) Bromobenzene	12.536	156	49237	51.155	ug/l		98
78) n-propylbenzene	12.603	91	235128	50.173	ug/l		100
79) 2-Chlorotoluene	12.688	91	136280	51.012	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	177863	51.057	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	10590	54.534	ug/l		98
82) 4-Chlorotoluene	12.786	91	141476	51.241	ug/l		99
83) tert-Butylbenzene	13.005	119	164603	50.596	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	174321	51.423	ug/l		99
85) sec-Butylbenzene	13.182	105	221870	50.603	ug/l		99
86) p-Isopropyltoluene	13.298	119	198854	50.891	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	95245	50.631	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	94865	50.694	ug/l		99
89) n-Butylbenzene	13.621	91	166380	51.010	ug/l		99
90) Hexachloroethane	13.889	117	37154	50.005	ug/l		99
91) 1,2-Dichlorobenzene	13.664	146	85113	52.769	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5917	56.916	ug/l		95
93) 1,2,4-Trichlorobenzene	14.932	180	54457	53.117	ug/l		100
94) Hexachlorobutadiene	15.029	225	37636	50.369	ug/l		99
95) Naphthalene	15.151	128	92244	56.177	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	46678	54.682	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020709.D
Acq On : 26 Dec 2024 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 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

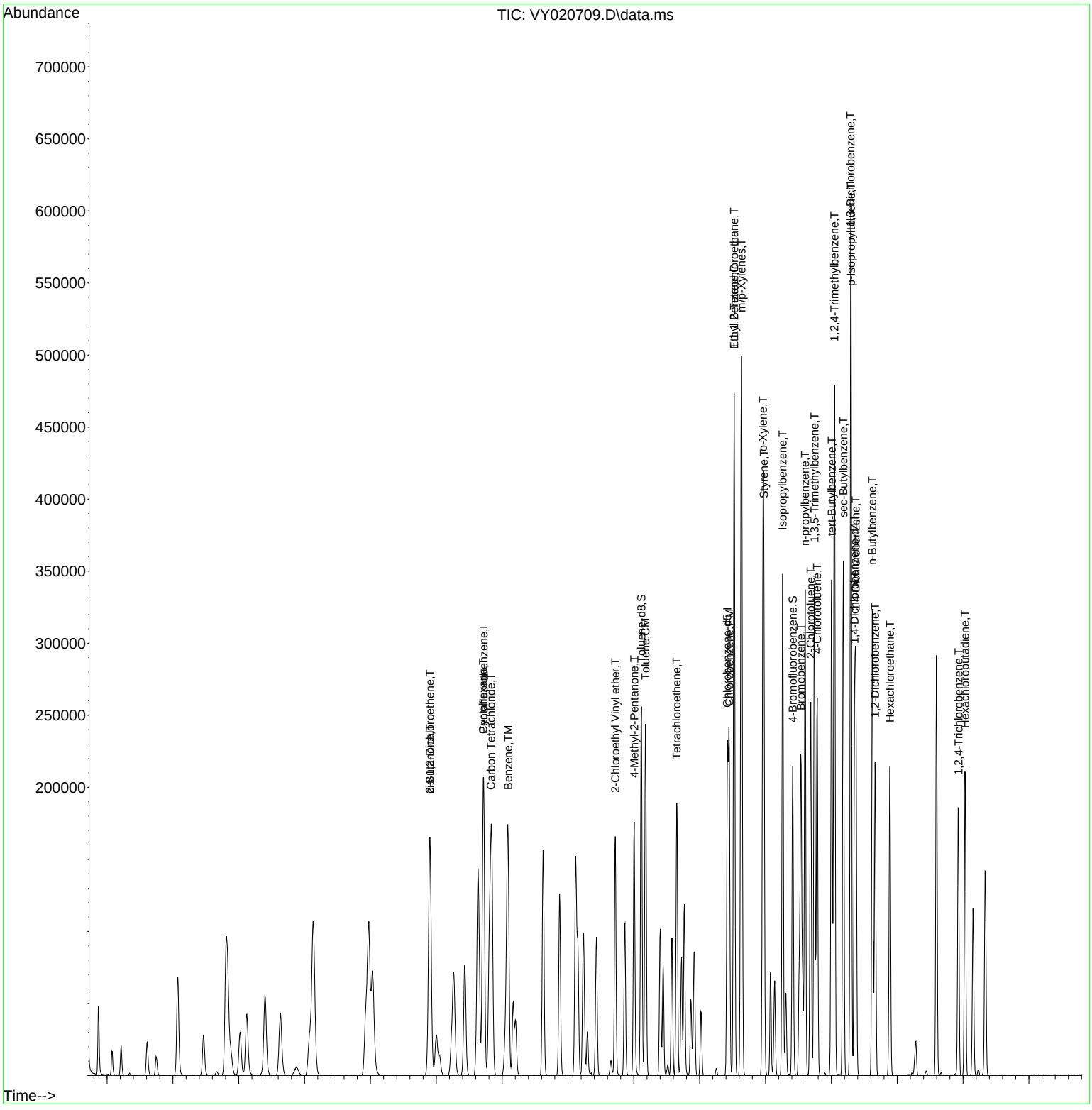
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020709.D
Acq On : 26 Dec 2024 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 26 16:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020710.D
Acq On : 26 Dec 2024 11:01
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 :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:06:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	114988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	158039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	137996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	68495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	149540	158.772	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 317.540%#			
35) Dibromofluoromethane	7.646	113	134770	154.819	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 309.640%#			
50) Toluene-d8	10.115	98	518209	146.261	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 292.520%#			
62) 4-Bromofluorobenzene	12.413	95	176701	152.741	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 305.480%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	129832	143.447	ug/l	98
3) Chloromethane	2.074	50	50886	150.751	ug/l	94
4) Vinyl Chloride	2.214	62	61386	146.779	ug/l	100
5) Bromomethane	2.598	94	46855	148.385	ug/l	93
6) Chloroethane	2.744	64	38539	153.610	ug/l	92
7) Trichlorofluoromethane	3.067	101	237769	147.839	ug/l	99
8) Diethyl Ether	3.464	74	58291	152.312	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.829	101	129702	146.898	ug/l	98
10) Methyl Iodide	4.012	142	153490	158.974	ug/l	98
11) Tert butyl alcohol	4.878	59	42318	761.366	ug/l #	78
12) 1,1-Dichloroethene	3.805	96	117146	149.063	ug/l	100
13) Acrolein	3.665	56	9943	505.005	ug/l	97
14) Allyl chloride	4.396	41	139044	151.192	ug/l	97
15) Acrylonitrile	5.073	53	112334	759.818	ug/l	99
16) Acetone	3.878	43	82039	686.613	ug/l	99
17) Carbon Disulfide	4.122	76	299085	155.142	ug/l	99
18) Methyl Acetate	4.396	43	49673	153.605	ug/l	98
19) Methyl tert-butyl Ether	5.134	73	325123	148.428	ug/l	100
20) Methylene Chloride	4.634	84	113659	146.259	ug/l	94
21) trans-1,2-Dichloroethene	5.134	96	126864	149.805	ug/l	97
22) Diisopropyl ether	6.030	45	270897	144.902	ug/l	98
23) Vinyl Acetate	5.975	43	842460	754.449	ug/l	99
24) 1,1-Dichloroethane	5.927	63	203786	145.390	ug/l	98
25) 2-Butanone	6.908	43	121750	754.322	ug/l	95
26) 2,2-Dichloropropane	6.896	77	245949	143.362	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	149023	146.943	ug/l	98
28) Bromochloromethane	7.256	49	61393	165.629	ug/l	95
29) Tetrahydrofuran	7.274	42	75734	764.431	ug/l	97
30) Chloroform	7.433	83	255843	141.892	ug/l	94
31) Cyclohexane	7.713	56	159686	131.985	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	281529	145.661	ug/l	99
36) 1,1-Dichloropropene	7.847	75	170324	148.123	ug/l	99
37) Ethyl Acetate	6.994	43	58258	153.750	ug/l	100
38) Carbon Tetrachloride	7.829	117	281225	148.522	ug/l	96
39) Methylcyclohexane	9.115	83	222062	150.669	ug/l	96
40) Benzene	8.091	78	493419	148.061	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020710.D
Acq On : 26 Dec 2024 11:01
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 26 16:06:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	30977	161.841	ug/l		94
42) 1,2-Dichloroethane	8.170	62	162177	151.768	ug/l		99
43) Isopropyl Acetate	8.207	43	125433	155.741	ug/l		98
44) Trichloroethene	8.871	130	146621	147.303	ug/l		93
45) 1,2-Dichloropropane	9.146	63	96524	143.087	ug/l		95
46) Dibromomethane	9.237	93	70177	150.351	ug/l		99
47) Bromodichloromethane	9.432	83	197163	148.994	ug/l		93
48) Methyl methacrylate	9.225	41	57813	153.712	ug/l		99
49) 1,4-Dioxane	9.237	88	14810	3331.078	ug/l		98
51) 4-Methyl-2-Pentanone	10.005	43	297779	766.010	ug/l		100
52) Toluene	10.176	92	342599	149.994	ug/l		100
53) t-1,3-Dichloropropene	10.401	75	180957	155.696	ug/l		98
54) cis-1,3-Dichloropropene	9.865	75	194591	152.747	ug/l		97
55) 1,1,2-Trichloroethane	10.578	97	89814	150.745	ug/l		97
56) Ethyl methacrylate	10.444	69	125990	160.965	ug/l		99
57) 1,3-Dichloropropane	10.725	76	147770	152.813	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	227376	833.052	ug/l		99
59) 2-Hexanone	10.767	43	205596	801.023	ug/l		99
60) Dibromochloromethane	10.920	129	146356	152.023	ug/l		99
61) 1,2-Dibromoethane	11.023	107	87182	155.511	ug/l		99
64) Tetrachloroethene	10.651	164	139334	147.787	ug/l		97
65) Chlorobenzene	11.450	112	390317	144.451	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	151401	144.626	ug/l		99
67) Ethyl Benzene	11.523	91	696321	147.444	ug/l		99
68) m/p-Xylenes	11.633	106	532697	295.699	ug/l		100
69) o-Xylene	11.962	106	249576	145.003	ug/l		98
70) Styrene	11.974	104	422920	146.372	ug/l		100
71) Bromoform	12.139	173	90423	150.242	ug/l	#	100
73) Isopropylbenzene	12.261	105	699104	147.320	ug/l		100
74) N-amyl acetate	12.078	43	110622	164.040	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	92629	152.263	ug/l		99
76) 1,2,3-Trichloropropane	12.566	75	74431m	137.761	ug/l		
77) Bromobenzene	12.541	156	163665	149.824	ug/l		98
78) n-propylbenzene	12.602	91	775459	145.797	ug/l		99
79) 2-Chlorotoluene	12.688	91	447942	147.735	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	577812	146.144	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	33964	154.104	ug/l		97
82) 4-Chlorotoluene	12.785	91	460319	146.900	ug/l		99
83) tert-Butylbenzene	13.005	119	540775	146.461	ug/l		99
84) 1,2,4-Trimethylbenzene	13.047	105	570579	148.302	ug/l		99
85) sec-Butylbenzene	13.181	105	727401	146.177	ug/l		99
86) p-Isopropyltoluene	13.297	119	651978	147.017	ug/l		99
87) 1,3-Dichlorobenzene	13.297	146	314188	147.160	ug/l		98
88) 1,4-Dichlorobenzene	13.377	146	308690	145.345	ug/l		98
89) n-Butylbenzene	13.627	91	551311	148.927	ug/l		100
90) Hexachloroethane	13.889	117	125073	148.318	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	272976	149.118	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	18575	157.429	ug/l		97
93) 1,2,4-Trichlorobenzene	14.931	180	194628	167.268	ug/l		99
94) Hexachlorobutadiene	15.029	225	130414	153.785	ug/l		99
95) Naphthalene	15.151	128	329555	176.838	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	163465	168.727	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020710.D
Acq On : 26 Dec 2024 11:01
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 :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:06:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 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

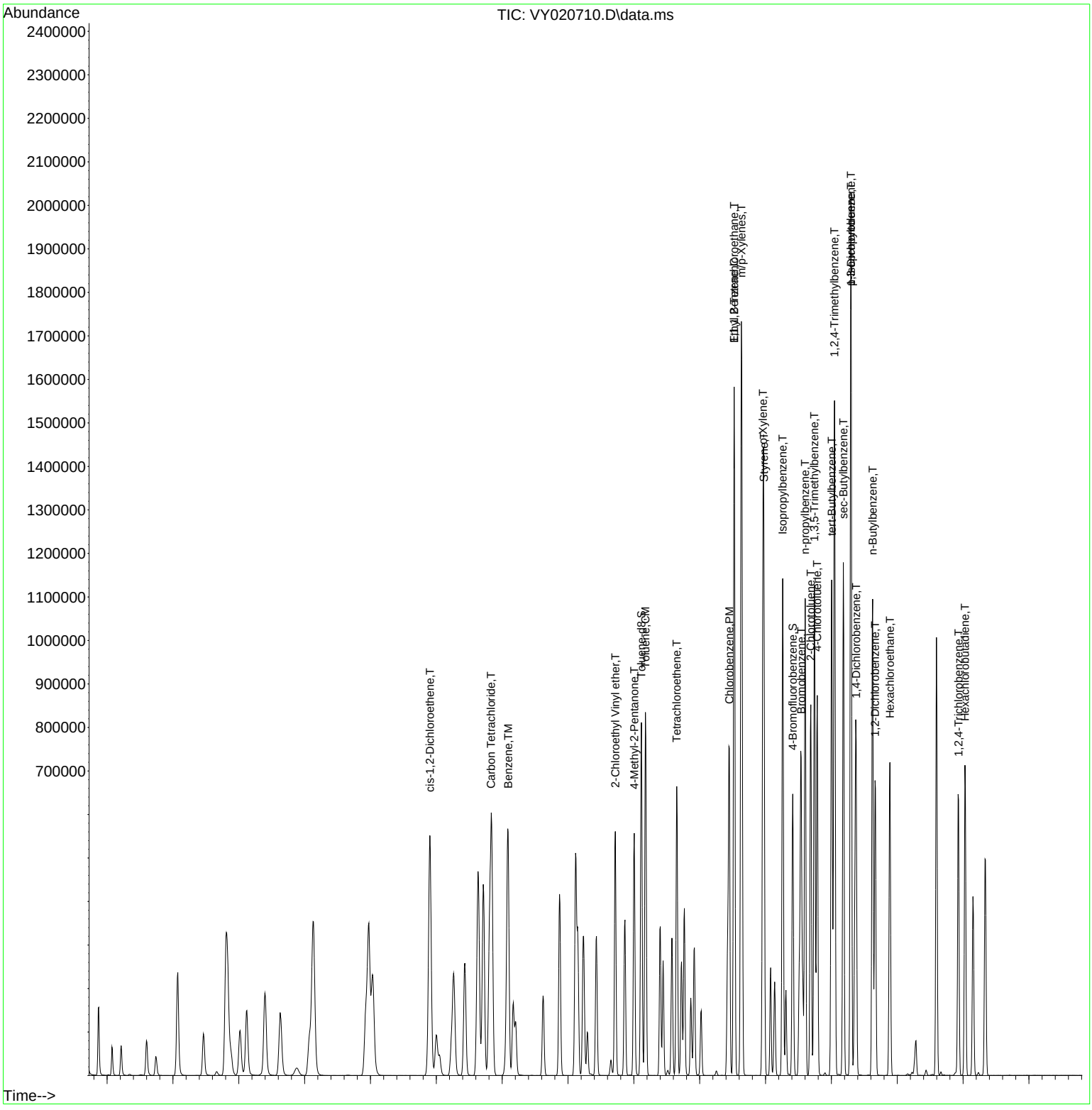
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020710.D
Acq On : 26 Dec 2024 11:01
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 26 16:06:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020711.D
Acq On : 26 Dec 2024 11:51
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 26 16:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	116833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	159804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	137258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	69727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	106883	111.689	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 223.380%#			
35) Dibromofluoromethane	7.646	113	98131	111.484	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 222.960%#			
50) Toluene-d8	10.115	98	370174	103.831	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 207.660%#			
62) 4-Bromofluorobenzene	12.414	95	126890	108.473	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 216.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	89983	97.849	ug/l	98
3) Chloromethane	2.074	50	36325	105.914	ug/l	97
4) Vinyl Chloride	2.214	62	42335	99.628	ug/l	99
5) Bromomethane	2.605	94	32346	100.819	ug/l	92
6) Chloroethane	2.745	64	25930	101.721	ug/l	92
7) Trichlorofluoromethane	3.074	101	160967	98.505	ug/l	97
8) Diethyl Ether	3.464	74	40852	105.059	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	89952	100.269	ug/l	98
10) Methyl Iodide	4.019	142	105224	107.262	ug/l	99
11) Tert butyl alcohol	4.872	59	27117	471.856	ug/l #	76
12) 1,1-Dichloroethene	3.799	96	80482	100.793	ug/l	98
13) Acrolein	3.665	56	6965	348.166	ug/l	98
14) Allyl chloride	4.397	41	96335	103.097	ug/l	97
15) Acrylonitrile	5.074	53	74874	498.444	ug/l	98
16) Acetone	3.879	43	53244	438.581	ug/l	99
17) Carbon Disulfide	4.116	76	207648	106.011	ug/l	99
18) Methyl Acetate	4.397	43	32722	99.589	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	222187	99.833	ug/l	100
20) Methylene Chloride	4.629	84	78882	99.904	ug/l	95
21) trans-1,2-Dichloroethene	5.128	96	88224	102.532	ug/l	97
22) Diisopropyl ether	6.037	45	191362	100.743	ug/l	97
23) Vinyl Acetate	5.976	43	574176	506.073	ug/l	100
24) 1,1-Dichloroethane	5.927	63	144777	101.659	ug/l	99
25) 2-Butanone	6.903	43	78288	477.386	ug/l	97
26) 2,2-Dichloropropane	6.896	77	169441	97.206	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	104390	101.307	ug/l	97
28) Bromochloromethane	7.256	49	42948	114.037	ug/l	95
29) Tetrahydrofuran	7.274	42	48175	478.582	ug/l	94
30) Chloroform	7.433	83	178101	97.216	ug/l	97
31) Cyclohexane	7.713	56	111954	91.072	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	194164	98.873	ug/l	99
36) 1,1-Dichloropropene	7.848	75	118213	101.669	ug/l	99
37) Ethyl Acetate	6.994	43	37453	97.751	ug/l	97
38) Carbon Tetrachloride	7.829	117	193743	101.190	ug/l	98
39) Methylcyclohexane	9.116	83	151388	101.582	ug/l	96
40) Benzene	8.091	78	346286	102.763	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020711.D
Acq On : 26 Dec 2024 11:51
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	20832	107.636	ug/l		96
42) 1,2-Dichloroethane	8.165	62	111130	102.849	ug/l		99
43) Isopropyl Acetate	8.207	43	83521	102.557	ug/l	#	86
44) Trichloroethene	8.872	130	101237	100.585	ug/l		95
45) 1,2-Dichloropropane	9.146	63	67508	98.968	ug/l		98
46) Dibromomethane	9.238	93	47179	99.962	ug/l		99
47) Bromodichloromethane	9.427	83	134627	100.613	ug/l		96
48) Methyl methacrylate	9.225	41	39672	104.314	ug/l		97
49) 1,4-Dioxane	9.244	88	9130	2030.846	ug/l		97
51) 4-Methyl-2-Pentanone	10.006	43	194141	493.895	ug/l		99
52) Toluene	10.176	92	236867	102.558	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	123413	105.012	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	132154	102.590	ug/l		97
55) 1,1,2-Trichloroethane	10.579	97	60063	99.697	ug/l		99
56) Ethyl methacrylate	10.445	69	82573	104.330	ug/l		98
57) 1,3-Dichloropropane	10.725	76	100785	103.074	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.719	63	151207	547.868	ug/l		99
59) 2-Hexanone	10.768	43	132885	512.015	ug/l		99
60) Dibromochloromethane	10.920	129	99612	102.326	ug/l		99
61) 1,2-Dibromoethane	11.024	107	56939	100.443	ug/l		100
64) Tetrachloroethene	10.652	164	95043	101.351	ug/l		97
65) Chlorobenzene	11.451	112	270485	100.641	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	105235	101.066	ug/l		98
67) Ethyl Benzene	11.524	91	478506	101.867	ug/l		99
68) m/p-Xylenes	11.633	106	366100	204.314	ug/l		100
69) o-Xylene	11.963	106	173536	101.366	ug/l		99
70) Styrene	11.975	104	294999	102.647	ug/l		99
71) Bromoform	12.139	173	60872	101.685	ug/l	#	98
73) Isopropylbenzene	12.261	105	484532	100.300	ug/l		100
74) N-amyl acetate	12.078	43	72233	105.221	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	60116	97.073	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	39557m	71.921	ug/l		
77) Bromobenzene	12.542	156	112291	100.978	ug/l		97
78) n-propylbenzene	12.603	91	544130	100.496	ug/l		100
79) 2-Chlorotoluene	12.688	91	310413	100.568	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	404786	100.572	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	23063	102.794	ug/l		97
82) 4-Chlorotoluene	12.786	91	322204	101.007	ug/l		99
83) tert-Butylbenzene	13.005	119	374773	99.709	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	399805	102.079	ug/l		100
85) sec-Butylbenzene	13.182	105	509425	100.564	ug/l		99
86) p-Isopropyltoluene	13.298	119	454433	100.661	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	220131	101.283	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	216013	99.911	ug/l		98
89) n-Butylbenzene	13.627	91	384958	102.152	ug/l		100
90) Hexachloroethane	13.889	117	87162	101.535	ug/l		97
91) 1,2-Dichlorobenzene	13.670	146	187803	100.778	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	12047	100.298	ug/l		98
93) 1,2,4-Trichlorobenzene	14.932	180	131697	111.184	ug/l		100
94) Hexachlorobutadiene	15.029	225	91705	106.228	ug/l		98
95) Naphthalene	15.151	128	210953	111.196	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	109793	111.325	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020711.D
Acq On : 26 Dec 2024 11:51
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 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

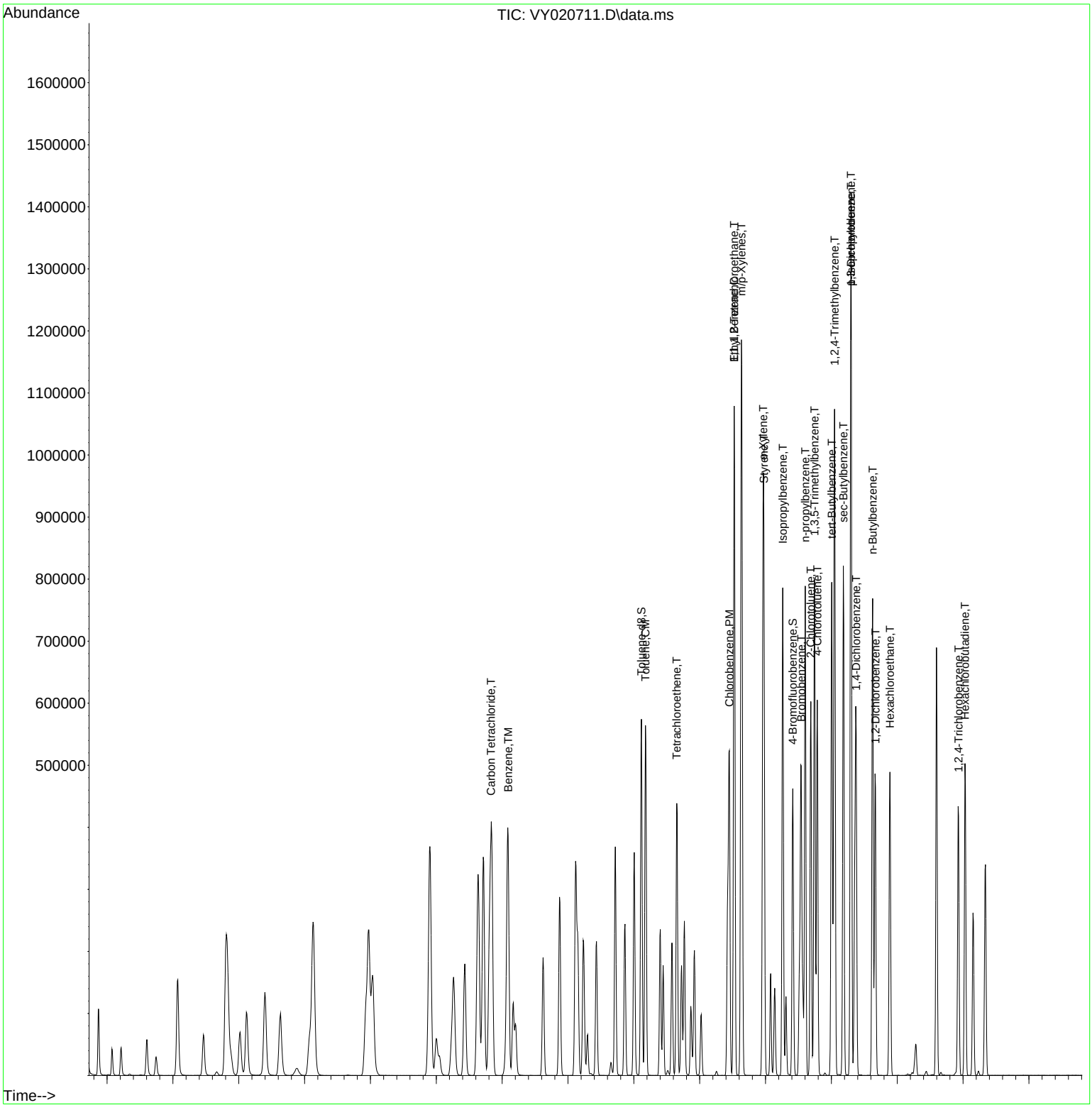
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020711.D
Acq On : 26 Dec 2024 11:51
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 26 16:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	116912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	160856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	136421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	70383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	50667	52.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.820%			
35) Dibromofluoromethane	7.646	113	46763	52.779	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.560%			
50) Toluene-d8	10.115	98	184089	52.171	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.340%			
62) 4-Bromofluorobenzene	12.413	95	62660	53.215	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 106.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	43692	47.479	ug/l	98
3) Chloromethane	2.080	50	18877	55.003	ug/l	99
4) Vinyl Chloride	2.214	62	21107	49.638	ug/l	97
5) Bromomethane	2.610	94	16385	51.036	ug/l	92
6) Chloroethane	2.750	64	13110	51.394	ug/l	100
7) Trichlorofluoromethane	3.074	101	79960	48.899	ug/l	100
8) Diethyl Ether	3.470	74	19539	50.215	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.830	101	43422	48.370	ug/l	98
10) Methyl Iodide	4.019	142	50185	51.123	ug/l	99
11) Tert butyl alcohol	4.878	59	12665	208.224	ug/l #	85
12) 1,1-Dichloroethene	3.805	96	39605	49.566	ug/l	99
13) Acrolein	3.677	56	2881	143.918	ug/l	97
14) Allyl chloride	4.403	41	47747	51.064	ug/l	96
15) Acrylonitrile	5.073	53	34113	226.940	ug/l	99
16) Acetone	3.878	43	25249	207.840	ug/l	99
17) Carbon Disulfide	4.122	76	103010	52.554	ug/l	99
18) Methyl Acetate	4.403	43	15970	48.572	ug/l	100
19) Methyl tert-butyl Ether	5.134	73	106703	47.911	ug/l	100
20) Methylene Chloride	4.628	84	39747	50.306	ug/l	90
21) trans-1,2-Dichloroethene	5.134	96	43912	50.999	ug/l	98
22) Diisopropyl ether	6.030	45	95914	50.460	ug/l	98
23) Vinyl Acetate	5.976	43	275873	242.987	ug/l	100
24) 1,1-Dichloroethane	5.933	63	72030	50.544	ug/l	99
25) 2-Butanone	6.908	43	36966	225.260	ug/l	97
26) 2,2-Dichloropropane	6.902	77	82553	47.328	ug/l	100
27) cis-1,2-Dichloroethene	6.908	96	51212	49.666	ug/l	98
28) Bromochloromethane	7.262	49	20413	54.165	ug/l	90
29) Tetrahydrofuran	7.280	42	22616	224.521	ug/l	95
30) Chloroform	7.433	83	88644	48.353	ug/l	95
31) Cyclohexane	7.713	56	55329	44.979	ug/l	94
32) 1,1,1-Trichloroethane	7.634	97	95277	48.484	ug/l	99
36) 1,1-Dichloropropene	7.847	75	57746	49.340	ug/l	99
37) Ethyl Acetate	7.000	43	18046	46.791	ug/l	97
38) Carbon Tetrachloride	7.829	117	94603	49.087	ug/l	98
39) Methylcyclohexane	9.121	83	76295	50.860	ug/l	95
40) Benzene	8.091	78	173716	51.214	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.237	41	9136	46.896	ug/l		94
42) 1,2-Dichloroethane	8.170	62	52925	48.661	ug/l		99
43) Isopropyl Acetate	8.207	43	38101	46.479	ug/l		97
44) Trichloroethene	8.877	130	50355	49.703	ug/l		92
45) 1,2-Dichloropropane	9.152	63	34051	49.593	ug/l		99
46) Dibromomethane	9.237	93	22170	46.666	ug/l		97
47) Bromodichloromethane	9.432	83	65991	48.995	ug/l		94
48) Methyl methacrylate	9.231	41	17544	45.829	ug/l		99
49) 1,4-Dioxane	9.237	88	4519	998.617	ug/l		96
51) 4-Methyl-2-Pentanone	10.005	43	91062	230.147	ug/l		99
52) Toluene	10.182	92	119622	51.455	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	57734	48.805	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	64766	49.949	ug/l		98
55) 1,1,2-Trichloroethane	10.578	97	29233	48.206	ug/l		99
56) Ethyl methacrylate	10.444	69	37050	46.506	ug/l		99
57) 1,3-Dichloropropane	10.725	76	48458	49.234	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.719	63	67974	244.679	ug/l		97
59) 2-Hexanone	10.767	43	59853	229.110	ug/l		97
60) Dibromochloromethane	10.920	129	47597	48.574	ug/l		100
61) 1,2-Dibromoethane	11.023	107	27610	48.387	ug/l		100
64) Tetrachloroethene	10.658	164	46724	50.131	ug/l		95
65) Chlorobenzene	11.450	112	133203	49.866	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	52397	50.630	ug/l		98
67) Ethyl Benzene	11.529	91	238810	51.151	ug/l		98
68) m/p-Xylenes	11.639	106	183706	103.152	ug/l		98
69) o-Xylene	11.962	106	86833	51.032	ug/l		99
70) Styrene	11.981	104	144868	50.717	ug/l		99
71) Bromoform	12.139	173	28995	48.733	ug/l	#	98
73) Isopropylbenzene	12.261	105	242449	49.720	ug/l		99
74) N-amyl acetate	12.078	43	33272	48.015	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	29166	46.657	ug/l		99
76) 1,2,3-Trichloropropane	12.566	75	20390m	45.549	ug/l		
77) Bromobenzene	12.541	156	56640	50.459	ug/l		96
78) n-propylbenzene	12.602	91	273917	50.119	ug/l		99
79) 2-Chlorotoluene	12.688	91	154710	49.656	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	205116	50.488	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	11017	48.646	ug/l		94
82) 4-Chlorotoluene	12.785	91	161536	50.168	ug/l		99
83) tert-Butylbenzene	13.005	119	188052	49.565	ug/l		99
84) 1,2,4-Trimethylbenzene	13.054	105	203012	51.350	ug/l		99
85) sec-Butylbenzene	13.188	105	258622	50.578	ug/l		99
86) p-Isopropyltoluene	13.303	119	230385	50.557	ug/l		100
87) 1,3-Dichlorobenzene	13.297	146	108941	49.657	ug/l		97
88) 1,4-Dichlorobenzene	13.377	146	107603	49.305	ug/l		98
89) n-Butylbenzene	13.627	91	194314	51.082	ug/l		99
90) Hexachloroethane	13.889	117	42996	49.619	ug/l		100
91) 1,2-Dichlorobenzene	13.669	146	95132	50.573	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5601	46.197	ug/l		95
93) 1,2,4-Trichlorobenzene	14.931	180	62409	52.197	ug/l		99
94) Hexachlorobutadiene	15.035	225	44277	50.811	ug/l		98
95) Naphthalene	15.157	128	94983	49.600	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	51411	51.643	ug/l		100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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

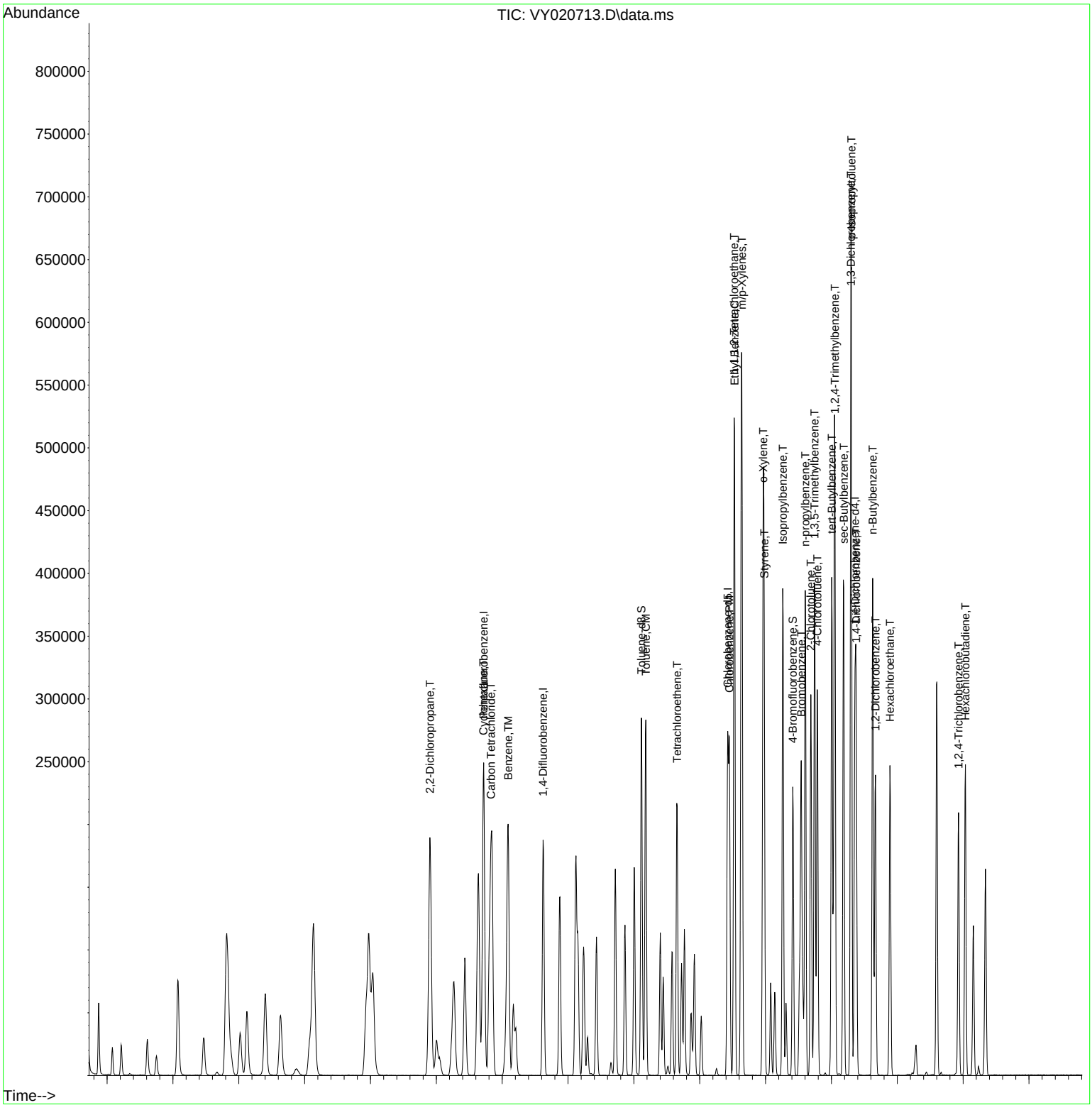
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	122	0.00
2	T	Dichlorodifluoromethane	0.394	0.374	5.1	113	0.00
3	P	Chloromethane	0.147	0.161	-9.5	126	0.00
4	C	Vinyl Chloride	0.182	0.181	0.5#	114	0.00
5	T	Bromomethane	0.137	0.140	-2.2	121	0.00
6	T	Chloroethane	0.109	0.112	-2.8	121	0.00
7	T	Trichlorofluoromethane	0.699	0.684	2.1	117	0.00
8	T	Diethyl Ether	0.166	0.167	-0.6	115	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.384	0.371	3.4	116	0.00
10	T	Methyl Iodide	0.420	0.429	-2.1	115	0.00
11	T	Tert butyl alcohol	0.031	0.022	29.0#	94	0.00
12	CM	1,1-Dichloroethene	0.342	0.339	0.9#	117	0.00
13	T	Acrolein	0.009	0.005	44.4#	95	0.00
14	T	Allyl chloride	0.400	0.408	-2.0	120	0.00
15	T	Acrylonitrile	0.064	0.058	9.4	100	0.00
16	T	Acetone	0.052	0.043	17.3	97	0.00
17	T	Carbon Disulfide	0.838	0.881	-5.1	119	0.00
18	T	Methyl Acetate	0.141	0.137	2.8	105	0.00
19	T	Methyl tert-butyl Ether	0.952	0.913	4.1	110	0.00
20	T	Methylene Chloride	0.338	0.340	-0.6	121	0.00
21	T	trans-1,2-Dichloroethene	0.368	0.376	-2.2	117	0.00
22	T	Diisopropyl ether	0.813	0.820	-0.9	117	0.00
23	T	Vinyl Acetate	0.486	0.472	2.9	107	0.00
24	P	1,1-Dichloroethane	0.609	0.616	-1.1	121	0.00
25	T	2-Butanone	0.070	0.063	10.0	97	0.00
26	T	2,2-Dichloropropane	0.746	0.706	5.4	115	0.00
27	T	cis-1,2-Dichloroethene	0.441	0.438	0.7	116	0.00
28	T	Bromochloromethane	0.161	0.175	-8.7	111	0.00
29	T	Tetrahydrofuran	0.043	0.039	9.3	97	0.00
30	C	Chloroform	0.784	0.758	3.3#	117	0.00
31	T	Cyclohexane	0.526	0.473	10.1	113	0.00
32	T	1,1,1-Trichloroethane	0.840	0.815	3.0	116	0.00
33	S	1,2-Dichloroethane-d4	0.410	0.433	-5.6	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	120	0.00
35	S	Dibromofluoromethane	0.275	0.291	-5.8	109	0.00
36	T	1,1-Dichloropropene	0.364	0.359	1.4	115	0.00
37	T	Ethyl Acetate	0.120	0.112	6.7	101	0.00
38	T	Carbon Tetrachloride	0.599	0.588	1.8	115	0.00
39	T	Methylcyclohexane	0.466	0.474	-1.7	117	0.00
40	TM	Benzene	1.054	1.080	-2.5	119	0.00
41	T	Methacrylonitrile	0.061	0.057	6.6	122	0.00
42	TM	1,2-Dichloroethane	0.338	0.329	2.7	108	0.00
43	T	Isopropyl Acetate	0.255	0.237	7.1	98	0.00
44	TM	Trichloroethene	0.315	0.313	0.6	116	0.00
45	C	1,2-Dichloropropane	0.213	0.212	0.5#	112	0.00
46	T	Dibromomethane	0.148	0.138	6.8	103	0.00
47	T	Bromodichloromethane	0.419	0.410	2.1	113	0.00
48	T	Methyl methacrylate	0.119	0.109	8.4	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	0.001	0.001	0.0	100	0.00
50	S	Toluene-d8	0.971	1.144	-17.8	111	0.00
51	T	4-Methyl-2-Pentanone	0.123	0.113	8.1	97	0.00
52	CM	Toluene	0.723	0.744	-2.9#	119	0.00
53	T	t-1,3-Dichloropropene	0.368	0.359	2.4	106	0.00
54	T	cis-1,3-Dichloropropene	0.403	0.403	0.0	112	0.00
55	T	1,1,2-Trichloroethane	0.188	0.182	3.2	109	0.00
56	T	Ethyl methacrylate	0.248	0.230	7.3	99	0.00
57	T	1,3-Dichloropropane	0.306	0.301	1.6	108	0.00
58	T	2-Chloroethyl Vinyl ether	0.086	0.085	1.2	99	0.00
59	T	2-Hexanone	0.081	0.074	8.6	93	0.00
60	T	Dibromochloromethane	0.305	0.296	3.0	112	0.00
61	T	1,2-Dibromoethane	0.177	0.172	2.8	108	0.00
62	S	4-Bromofluorobenzene	0.366	0.390	-6.6	109	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	117	0.00
64	T	Tetrachloroethene	0.342	0.342	0.0	114	0.00
65	PM	Chlorobenzene	0.979	0.976	0.3	114	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.384	-1.3	116	0.00
67	C	Ethyl Benzene	1.711	1.751	-2.3#	116	0.00
68	T	m/p-Xylenes	0.653	0.673	-3.1	117	0.00
69	T	o-Xylene	0.624	0.637	-2.1	115	0.00
70	T	Styrene	1.047	1.062	-1.4	114	0.00
71	P	Bromoform	0.218	0.213	2.3	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00
73	T	Isopropylbenzene	3.464	3.445	0.5	116	0.00
74	T	N-amyl acetate	0.492	0.473	3.9	101	0.00
75	P	1,1,2,2-Tetrachloroethane	0.444	0.414	6.8	102	0.00
76	T	1,2,3-Trichloropropane	0.318	0.290	8.8	112	0.00
77	T	Bromobenzene	0.797	0.805	-1.0	115	0.00
78	T	n-propylbenzene	3.883	3.892	-0.2	116	0.00
79	T	2-Chlorotoluene	2.213	2.198	0.7	114	0.00
80	T	1,3,5-Trimethylbenzene	2.886	2.914	-1.0	115	0.00
81	T	trans-1,4-Dichloro-2-butene	0.161	0.157	2.5	104	0.00
82	T	4-Chlorotoluene	2.287	2.295	-0.3	114	0.00
83	T	tert-Butylbenzene	2.695	2.672	0.9	114	0.00
84	T	1,2,4-Trimethylbenzene	2.809	2.884	-2.7	116	0.00
85	T	sec-Butylbenzene	3.633	3.674	-1.1	117	0.00
86	T	p-Isopropyltoluene	3.237	3.273	-1.1	116	0.00
87	T	1,3-Dichlorobenzene	1.559	1.548	0.7	114	0.00
88	T	1,4-Dichlorobenzene	1.550	1.529	1.4	113	0.00
89	T	n-Butylbenzene	2.702	2.761	-2.2	117	0.00
90	T	Hexachloroethane	0.616	0.611	0.8	116	0.00
91	T	1,2-Dichlorobenzene	1.336	1.352	-1.2	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.086	0.080	7.0	95	0.00
93	T	1,2,4-Trichlorobenzene	0.849	0.887	-4.5	115	0.00
94	T	Hexachlorobutadiene	0.619	0.629	-1.6	118	0.00
95	T	Naphthalene	1.360	1.350	0.7	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	0.707	0.730	-3.3	110	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\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	122	0.00
2	T	Dichlorodifluoromethane	50.000	47.479	5.0	113	0.00
3	P	Chloromethane	50.000	55.003	-10.0	126	0.00
4	C	Vinyl Chloride	50.000	49.638	0.7#	114	0.00
5	T	Bromomethane	50.000	51.036	-2.1	121	0.00
6	T	Chloroethane	50.000	51.394	-2.8	121	0.00
7	T	Trichlorofluoromethane	50.000	48.899	2.2	117	0.00
8	T	Diethyl Ether	50.000	50.215	-0.4	115	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.370	3.3	116	0.00
10	T	Methyl Iodide	50.000	51.123	-2.2	115	0.00
11	T	Tert butyl alcohol	250.000	208.224	16.7	94	0.00
12	CM	1,1-Dichloroethene	50.000	49.566	0.9#	117	0.00
13	T	Acrolein	250.000	143.918	42.4#	95	0.00
14	T	Allyl chloride	50.000	51.064	-2.1	120	0.00
15	T	Acrylonitrile	250.000	226.940	9.2	100	0.00
16	T	Acetone	250.000	207.840	16.9	97	0.00
17	T	Carbon Disulfide	50.000	52.554	-5.1	119	0.00
18	T	Methyl Acetate	50.000	48.572	2.9	105	0.00
19	T	Methyl tert-butyl Ether	50.000	47.911	4.2	110	0.00
20	T	Methylene Chloride	50.000	50.306	-0.6	121	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.999	-2.0	117	0.00
22	T	Diisopropyl ether	50.000	50.460	-0.9	117	0.00
23	T	Vinyl Acetate	250.000	242.987	2.8	107	0.00
24	P	1,1-Dichloroethane	50.000	50.544	-1.1	121	0.00
25	T	2-Butanone	250.000	225.260	9.9	97	0.00
26	T	2,2-Dichloropropane	50.000	47.328	5.3	115	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.666	0.7	116	0.00
28	T	Bromochloromethane	50.000	54.165	-8.3	111	0.00
29	T	Tetrahydrofuran	250.000	224.521	10.2	97	0.00
30	C	Chloroform	50.000	48.353	3.3#	117	0.00
31	T	Cyclohexane	50.000	44.979	10.0	113	0.00
32	T	1,1,1-Trichloroethane	50.000	48.484	3.0	116	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.910	-5.8	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	120	0.00
35	S	Dibromofluoromethane	50.000	52.779	-5.6	109	0.00
36	T	1,1-Dichloropropene	50.000	49.340	1.3	115	0.00
37	T	Ethyl Acetate	50.000	46.791	6.4	101	0.00
38	T	Carbon Tetrachloride	50.000	49.087	1.8	115	0.00
39	T	Methylcyclohexane	50.000	50.860	-1.7	117	0.00
40	TM	Benzene	50.000	51.214	-2.4	119	0.00
41	T	Methacrylonitrile	50.000	46.896	6.2	122	0.00
42	TM	1,2-Dichloroethane	50.000	48.661	2.7	108	0.00
43	T	Isopropyl Acetate	50.000	46.479	7.0	98	0.00
44	TM	Trichloroethene	50.000	49.703	0.6	116	0.00
45	C	1,2-Dichloropropane	50.000	49.593	0.8#	112	0.00
46	T	Dibromomethane	50.000	46.666	6.7	103	0.00
47	T	Bromodichloromethane	50.000	48.995	2.0	113	0.00
48	T	Methyl methacrylate	50.000	45.829	8.3	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	998.617	0.1	100	0.00
50	S	Toluene-d8	50.000	52.171	-4.3	111	0.00
51	T	4-Methyl-2-Pentanone	250.000	230.147	7.9	97	0.00
52	CM	Toluene	50.000	51.455	-2.9#	119	0.00
53	T	t-1,3-Dichloropropene	50.000	48.805	2.4	106	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.949	0.1	112	0.00
55	T	1,1,2-Trichloroethane	50.000	48.206	3.6	109	0.00
56	T	Ethyl methacrylate	50.000	46.506	7.0	99	0.00
57	T	1,3-Dichloropropane	50.000	49.234	1.5	108	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	244.679	2.1	99	0.00
59	T	2-Hexanone	250.000	229.110	8.4	93	0.00
60	T	Dibromochloromethane	50.000	48.574	2.9	112	0.00
61	T	1,2-Dibromoethane	50.000	48.387	3.2	108	0.00
62	S	4-Bromofluorobenzene	50.000	53.215	-6.4	109	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	117	0.00
64	T	Tetrachloroethene	50.000	50.131	-0.3	114	0.00
65	PM	Chlorobenzene	50.000	49.866	0.3	114	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.630	-1.3	116	0.00
67	C	Ethyl Benzene	50.000	51.151	-2.3#	116	0.00
68	T	m/p-Xylenes	100.000	103.152	-3.2	117	0.00
69	T	o-Xylene	50.000	51.032	-2.1	115	0.00
70	T	Styrene	50.000	50.717	-1.4	114	0.00
71	P	Bromoform	50.000	48.733	2.5	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	117	0.00
73	T	Isopropylbenzene	50.000	49.720	0.6	116	0.00
74	T	N-amyl acetate	50.000	48.015	4.0	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.657	6.7	102	0.00
76	T	1,2,3-Trichloropropane	50.000	45.549	8.9	112	0.00
77	T	Bromobenzene	50.000	50.459	-0.9	115	0.00
78	T	n-propylbenzene	50.000	50.119	-0.2	116	0.00
79	T	2-Chlorotoluene	50.000	49.656	0.7	114	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.488	-1.0	115	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.646	2.7	104	0.00
82	T	4-Chlorotoluene	50.000	50.168	-0.3	114	0.00
83	T	tert-Butylbenzene	50.000	49.565	0.9	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.350	-2.7	116	0.00
85	T	sec-Butylbenzene	50.000	50.578	-1.2	117	0.00
86	T	p-Isopropyltoluene	50.000	50.557	-1.1	116	0.00
87	T	1,3-Dichlorobenzene	50.000	49.657	0.7	114	0.00
88	T	1,4-Dichlorobenzene	50.000	49.305	1.4	113	0.00
89	T	n-Butylbenzene	50.000	51.082	-2.2	117	0.00
90	T	Hexachloroethane	50.000	49.619	0.8	116	0.00
91	T	1,2-Dichlorobenzene	50.000	50.573	-1.1	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.197	7.6	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.197	-4.4	115	0.00
94	T	Hexachlorobutadiene	50.000	50.811	-1.6	118	0.00
95	T	Naphthalene	50.000	49.600	0.8	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	51.643	-3.3	110	0.00

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

Raw Data: **VY020730.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: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG No.: P5362

Instrument ID: MSVOA_Y Calibration Date/Time: 12/27/2024 10:20

Lab File ID: VY020730.D Init. Calib. Date(s): 12/26/2024 12/26/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:31 11:51

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.394	0.383		-2.79	20
Chloromethane	0.147	0.173	0.1	17.69	20
Vinyl Chloride	0.182	0.200		9.89	20
Bromomethane	0.137	0.142		3.65	20
Chloroethane	0.109	0.125		14.68	20
Trichlorofluoromethane	0.699	0.680		-2.72	20
1,1,2-Trichlorotrifluoroethane	0.384	0.394		2.6	20
1,1-Dichloroethene	0.342	0.353		3.22	20
Acetone	0.052	0.044		-15.39	20
Carbon Disulfide	0.838	0.923		10.14	20
Methyl tert-butyl Ether	0.952	0.920		-3.36	20
Methyl Acetate	0.141	0.146		3.55	20
Methylene Chloride	0.338	0.353		4.44	20
trans-1,2-Dichloroethene	0.368	0.385		4.62	20
1,1-Dichloroethane	0.609	0.641	0.1	5.26	20
Cyclohexane	0.526	0.515		-2.09	20
2-Butanone	0.070	0.069		-1.43	20
Carbon Tetrachloride	0.599	0.575		-4.01	20
cis-1,2-Dichloroethene	0.441	0.454		2.95	20
Bromochloromethane	0.161	0.204		26.71	20
Chloroform	0.784	0.765		-2.42	20
1,1,1-Trichloroethane	0.840	0.807		-3.93	20
Methylcyclohexane	0.466	0.486		4.29	20
Benzene	1.054	1.087		3.13	20
1,2-Dichloroethane	0.338	0.319		-5.62	20
Trichloroethene	0.315	0.315		0	20
1,2-Dichloropropane	0.213	0.226		6.1	20
Bromodichloromethane	0.419	0.406		-3.1	20
4-Methyl-2-Pentanone	0.123	0.120		-2.44	20
Toluene	0.723	0.739		2.21	20
t-1,3-Dichloropropene	0.368	0.368		0	20
cis-1,3-Dichloropropene	0.403	0.412		2.23	20
1,1,2-Trichloroethane	0.188	0.185		-1.6	20
2-Hexanone	0.081	0.078		-3.7	20
Dibromochloromethane	0.305	0.289		-5.25	20
1,2-Dibromoethane	0.177	0.170		-3.95	20
Tetrachloroethene	0.342	0.350		2.34	20
Chlorobenzene	0.979	0.984	0.3	0.51	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: **VY020730.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG No.: P5362

Instrument ID: MSVOA_Y Calibration Date/Time: 12/27/2024 10:20

Lab File ID: VY020730.D Init. Calib. Date(s): 12/26/2024 12/26/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:31 11:51

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.711	1.764		3.04	20
m/p-Xylenes	0.653	0.667		2.14	20
o-Xylene	0.624	0.636		1.92	20
Styrene	1.047	1.070		2.2	20
Bromoform	0.218	0.211	0.1	-3.21	20
Isopropylbenzene	3.464	3.535		2.05	20
1,1,2,2-Tetrachloroethane	0.444	0.443	0.3	-0.22	20
1,3-Dichlorobenzene	1.559	1.537		-1.41	20
1,4-Dichlorobenzene	1.550	1.525		-1.61	20
1,2-Dichlorobenzene	1.336	1.338		0.15	20
1,2-Dibromo-3-Chloropropane	0.086	0.080		-6.98	20
1,2,4-Trichlorobenzene	0.849	0.823		-3.06	20
1,2,3-Trichlorobenzene	0.707	0.668		-5.52	20
1,2-Dichloroethane-d4	0.410	0.430		4.88	20
Dibromofluoromethane	0.275	0.292		6.18	20
Toluene-d8	0.971	1.153		18.74	20
4-Bromofluorobenzene	0.366	0.385		5.19	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020730.D
Acq On : 27 Dec 2024 10:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 28 02:58:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	133845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	187374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	158006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	79722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	57614	52.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.100%			
35) Dibromofluoromethane	7.652	113	54795	53.092	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.180%			
50) Toluene-d8	10.115	98	216107	52.564	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.120%			
62) 4-Bromofluorobenzene	12.414	95	72054	52.533	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 105.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	51228	48.626	ug/l	95
3) Chloromethane	2.080	50	23141	58.897	ug/l	97
4) Vinyl Chloride	2.214	62	26766	54.983	ug/l	89
5) Bromomethane	2.610	94	18970	51.612	ug/l	98
6) Chloroethane	2.751	64	16702	57.192	ug/l	92
7) Trichlorofluoromethane	3.080	101	91073	48.649	ug/l	100
8) Diethyl Ether	3.470	74	23214	52.112	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.836	101	52713	51.291	ug/l	98
10) Methyl Iodide	4.025	142	59452	52.901	ug/l	95
11) Tert butyl alcohol	4.891	59	14856	213.899	ug/l #	88
12) 1,1-Dichloroethene	3.805	96	47296	51.703	ug/l	98
13) Acrolein	3.665	56	3847	167.861	ug/l	93
14) Allyl chloride	4.403	41	58687	54.824	ug/l	92
15) Acrylonitrile	5.073	53	43598	253.347	ug/l	96
16) Acetone	3.885	43	29746	213.880	ug/l	98
17) Carbon Disulfide	4.128	76	123531	55.051	ug/l	99
18) Methyl Acetate	4.397	43	19514	51.842	ug/l	97
19) Methyl tert-butyl Ether	5.134	73	123169	48.308	ug/l	96
20) Methylene Chloride	4.634	84	47276	52.265	ug/l	96
21) trans-1,2-Dichloroethene	5.134	96	51566	52.312	ug/l	98
22) Diisopropyl ether	6.037	45	118838	54.611	ug/l	98
23) Vinyl Acetate	5.982	43	334445	257.310	ug/l	98
24) 1,1-Dichloroethane	5.939	63	85791	52.584	ug/l	99
25) 2-Butanone	6.908	43	46137	245.577	ug/l	95
26) 2,2-Dichloropropane	6.902	77	96125	48.137	ug/l	99
27) cis-1,2-Dichloroethene	6.908	96	60776	51.485	ug/l	98
28) Bromochloromethane	7.262	49	27369	63.435	ug/l	98
29) Tetrahydrofuran	7.274	42	28016	242.943	ug/l	99
30) Chloroform	7.439	83	102428	48.804	ug/l	94
31) Cyclohexane	7.713	56	68981	48.982	ug/l	99
32) 1,1,1-Trichloroethane	7.628	97	108074	48.039	ug/l	99
36) 1,1-Dichloropropene	7.847	75	70228	51.513	ug/l	98
37) Ethyl Acetate	7.000	43	22212	49.443	ug/l	98
38) Carbon Tetrachloride	7.835	117	107755	47.999	ug/l	98
39) Methylcyclohexane	9.121	83	91105	52.137	ug/l	98
40) Benzene	8.091	78	203662	51.545	ug/l	99

Sample Results: **VY020730.D**

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

Quant Time: Dec 28 02:58:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	12968	57.145	ug/l		96
42) 1,2-Dichloroethane	8.170	62	59741	47.154	ug/l		98
43) Isopropyl Acetate	8.207	43	46484	48.680	ug/l		99
44) Trichloroethene	8.878	130	59012	50.005	ug/l		98
45) 1,2-Dichloropropane	9.152	63	42264	52.843	ug/l		96
46) Dibromomethane	9.243	93	26669	48.192	ug/l		99
47) Bromodichloromethane	9.432	83	76106	48.509	ug/l		95
48) Methyl methacrylate	9.231	41	21784	48.851	ug/l		95
49) 1,4-Dioxane	9.243	88	5205	987.428	ug/l		90
51) 4-Methyl-2-Pentanone	10.005	43	112082	243.182	ug/l		99
52) Toluene	10.182	92	138423	51.115	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	68883	49.988	ug/l		96
54) cis-1,3-Dichloropropene	9.865	75	77141	51.073	ug/l		99
55) 1,1,2-Trichloroethane	10.585	97	34585	48.960	ug/l		98
56) Ethyl methacrylate	10.450	69	45059	48.555	ug/l		98
57) 1,3-Dichloropropane	10.725	76	58035	50.620	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	90878	280.828	ug/l		97
59) 2-Hexanone	10.767	43	73439	241.330	ug/l		100
60) Dibromochloromethane	10.920	129	54194	47.479	ug/l		99
61) 1,2-Dibromoethane	11.024	107	31902	47.996	ug/l		98
64) Tetrachloroethene	10.658	164	55299	51.226	ug/l		97
65) Chlorobenzene	11.450	112	155423	50.236	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	59092	49.299	ug/l		99
67) Ethyl Benzene	11.530	91	278643	51.530	ug/l		98
68) m/p-Xylenes	11.639	106	210736	102.165	ug/l		99
69) o-Xylene	11.962	106	100416	50.953	ug/l		99
70) Styrene	11.981	104	169065	51.103	ug/l		98
71) Bromoform	12.139	173	33360	48.410	ug/l	#	98
73) Isopropylbenzene	12.261	105	281788	51.018	ug/l		100
74) N-amyl acetate	12.078	43	40220	51.243	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.517	83	35282	49.829	ug/l		98
76) 1,2,3-Trichloropropane	12.566	75	24010m	47.353	ug/l		
77) Bromobenzene	12.542	156	63340	49.818	ug/l		99
78) n-propylbenzene	12.603	91	320025	51.696	ug/l		100
79) 2-Chlorotoluene	12.688	91	182465	51.704	ug/l		100
80) 1,3,5-Trimethylbenzene	12.749	105	230643	50.121	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	12742	49.672	ug/l		95
82) 4-Chlorotoluene	12.785	91	185289	50.803	ug/l		100
83) tert-Butylbenzene	13.005	119	212202	49.378	ug/l		99
84) 1,2,4-Trimethylbenzene	13.054	105	228098	50.937	ug/l		98
85) sec-Butylbenzene	13.188	105	294934	50.923	ug/l		99
86) p-Isopropyltoluene	13.298	119	261181	50.601	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	122537	49.311	ug/l		96
88) 1,4-Dichlorobenzene	13.377	146	121606	49.194	ug/l		98
89) n-Butylbenzene	13.627	91	220197	51.106	ug/l		98
90) Hexachloroethane	13.889	117	48174	49.082	ug/l		99
91) 1,2-Dichlorobenzene	13.669	146	106646	50.053	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	6343	46.188	ug/l		98
93) 1,2,4-Trichlorobenzene	14.931	180	65595	48.435	ug/l		99
94) Hexachlorobutadiene	15.035	225	47909	48.539	ug/l		99
95) Naphthalene	15.157	128	100561	46.361	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	53264	47.236	ug/l		99

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Instrument :
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ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

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

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

Sample Results: **VY020730.D**

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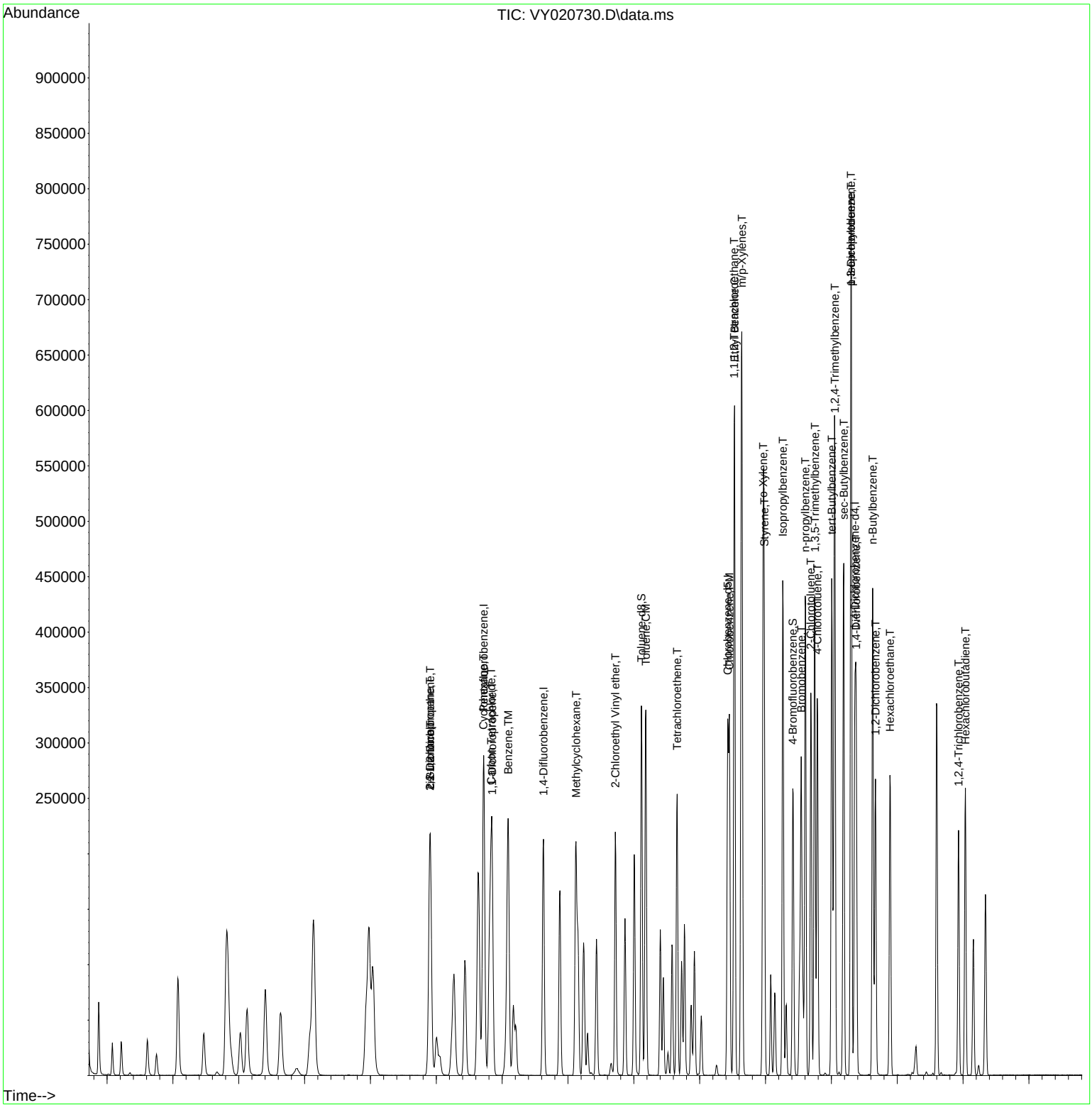

Sample Results: **VY020730.D**

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Quant Title : SW846 8260
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Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	140	0.00
2	T	Dichlorodifluoromethane	0.394	0.383	2.8	132	0.00
3	P	Chloromethane	0.147	0.173	-17.7	154#	0.00
4	C	Vinyl Chloride	0.182	0.200	-9.9#	145	0.00
5	T	Bromomethane	0.137	0.142	-3.6	140	0.00
6	T	Chloroethane	0.109	0.125	-14.7	154#	0.00
7	T	Trichlorofluoromethane	0.699	0.680	2.7	133	0.00
8	T	Diethyl Ether	0.166	0.173	-4.2	136	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.384	0.394	-2.6	141	0.00
10	T	Methyl Iodide	0.420	0.444	-5.7	137	0.00
11	T	Tert butyl alcohol	0.031	0.022	29.0#	110	0.01
12	CM	1,1-Dichloroethene	0.342	0.353	-3.2#	140	0.00
13	T	Acrolein	0.009	0.006	33.3#	126	0.00
14	T	Allyl chloride	0.400	0.438	-9.5	148	0.00
15	T	Acrylonitrile	0.064	0.065	-1.6	128	0.00
16	T	Acetone	0.052	0.044	15.4	114	0.00
17	T	Carbon Disulfide	0.838	0.923	-10.1	142	0.00
18	T	Methyl Acetate	0.141	0.146	-3.5	128	0.00
19	T	Methyl tert-butyl Ether	0.952	0.920	3.4	126	0.00
20	T	Methylene Chloride	0.338	0.353	-4.4	144	0.00
21	T	trans-1,2-Dichloroethene	0.368	0.385	-4.6	138	0.00
22	T	Diisopropyl ether	0.813	0.888	-9.2	145	0.00
23	T	Vinyl Acetate	0.486	0.500	-2.9	130	0.00
24	P	1,1-Dichloroethane	0.609	0.641	-5.3	144	0.00
25	T	2-Butanone	0.070	0.069	1.4	121	0.00
26	T	2,2-Dichloropropane	0.746	0.718	3.8	134	0.00
27	T	cis-1,2-Dichloroethene	0.441	0.454	-2.9	137	0.00
28	T	Bromochloromethane	0.161	0.204	-26.7#	148	0.00
29	T	Tetrahydrofuran	0.043	0.042	2.3	120	0.00
30	C	Chloroform	0.784	0.765	2.4#	136	0.00
31	T	Cyclohexane	0.526	0.515	2.1	141	0.00
32	T	1,1,1-Trichloroethane	0.840	0.807	3.9	131	0.00
33	S	1,2-Dichloroethane-d4	0.410	0.430	-4.9	116	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	139	0.00
35	S	Dibromofluoromethane	0.275	0.292	-6.2	128	0.00
36	T	1,1-Dichloropropene	0.364	0.375	-3.0	139	0.00
37	T	Ethyl Acetate	0.120	0.119	0.8	124	0.00
38	T	Carbon Tetrachloride	0.599	0.575	4.0	130	0.00
39	T	Methylcyclohexane	0.466	0.486	-4.3	140	0.00
40	TM	Benzene	1.054	1.087	-3.1	139	0.00
41	T	Methacrylonitrile	0.061	0.069	-13.1	172#	0.00
42	TM	1,2-Dichloroethane	0.338	0.319	5.6	122	0.00
43	T	Isopropyl Acetate	0.255	0.248	2.7	120	0.00
44	TM	Trichloroethene	0.315	0.315	0.0	135	0.00
45	C	1,2-Dichloropropane	0.213	0.226	-6.1#	139	0.00
46	T	Dibromomethane	0.148	0.142	4.1	124	0.00
47	T	Bromodichloromethane	0.419	0.406	3.1	131	0.00
48	T	Methyl methacrylate	0.119	0.116	2.5	124	0.00

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Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.001	0.001	0.0	115	0.00
50	S	Toluene-d8	0.971	1.153	-18.7	131	0.00
51	T	4-Methyl-2-Pentanone	0.123	0.120	2.4	119	0.00
52	CM	Toluene	0.723	0.739	-2.2#	138	0.00
53	T	t-1,3-Dichloropropene	0.368	0.368	0.0	127	0.00
54	T	cis-1,3-Dichloropropene	0.403	0.412	-2.2	133	0.00
55	T	1,1,2-Trichloroethane	0.188	0.185	1.6	129	0.00
56	T	Ethyl methacrylate	0.248	0.240	3.2	121	0.00
57	T	1,3-Dichloropropane	0.306	0.310	-1.3	129	0.00
58	T	2-Chloroethyl Vinyl ether	0.086	0.097	-12.8	133	0.00
59	T	2-Hexanone	0.081	0.078	3.7	114	0.00
60	T	Dibromochloromethane	0.305	0.289	5.2	127	0.00
61	T	1,2-Dibromoethane	0.177	0.170	4.0	124	0.00
62	S	4-Bromofluorobenzene	0.366	0.385	-5.2	126	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	136	0.00
64	T	Tetrachloroethene	0.342	0.350	-2.3	135	0.00
65	PM	Chlorobenzene	0.979	0.984	-0.5	133	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.374	1.3	130	0.00
67	C	Ethyl Benzene	1.711	1.763	-3.0#	135	0.00
68	T	m/p-Xylenes	0.653	0.667	-2.1	134	0.00
69	T	o-Xylene	0.624	0.636	-1.9	133	0.00
70	T	Styrene	1.047	1.070	-2.2	133	0.00
71	P	Bromoform	0.218	0.211	3.2	119	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	132	0.00
73	T	Isopropylbenzene	3.464	3.535	-2.0	134	0.00
74	T	N-amyl acetate	0.492	0.505	-2.6	122	0.00
75	P	1,1,2,2-Tetrachloroethane	0.444	0.443	0.2	123	0.00
76	T	1,2,3-Trichloropropane	0.318	0.301	5.3	132	0.00
77	T	Bromobenzene	0.797	0.795	0.3	129	0.00
78	T	n-propylbenzene	3.883	4.014	-3.4	136	0.00
79	T	2-Chlorotoluene	2.213	2.289	-3.4	134	0.00
80	T	1,3,5-Trimethylbenzene	2.886	2.893	-0.2	130	0.00
81	T	trans-1,4-Dichloro-2-butene	0.161	0.160	0.6	120	0.00
82	T	4-Chlorotoluene	2.287	2.324	-1.6	131	0.00
83	T	tert-Butylbenzene	2.695	2.662	1.2	129	0.00
84	T	1,2,4-Trimethylbenzene	2.809	2.861	-1.9	131	0.00
85	T	sec-Butylbenzene	3.633	3.700	-1.8	133	0.00
86	T	p-Isopropyltoluene	3.237	3.276	-1.2	131	0.00
87	T	1,3-Dichlorobenzene	1.559	1.537	1.4	129	0.00
88	T	1,4-Dichlorobenzene	1.550	1.525	1.6	128	0.00
89	T	n-Butylbenzene	2.702	2.762	-2.2	132	0.00
90	T	Hexachloroethane	0.616	0.604	1.9	130	0.00
91	T	1,2-Dichlorobenzene	1.336	1.338	-0.1	125	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.086	0.080	7.0	107	0.00
93	T	1,2,4-Trichlorobenzene	0.849	0.823	3.1	120	0.00
94	T	Hexachlorobutadiene	0.619	0.601	2.9	127	0.00
95	T	Naphthalene	1.360	1.261	7.3	109	0.00

Sample Results: **VY020730.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020730.D
Acq On : 27 Dec 2024 10:20
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 28 02:58:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	0.707	0.668	5.5	114	0.00

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

Sample Results: **VY020730.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020730.D
Acq On : 27 Dec 2024 10:20
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 28 02:58:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	140	0.00
2	T	Dichlorodifluoromethane	50.000	48.626	2.7	132	0.00
3	P	Chloromethane	50.000	58.897	-17.8	154	0.00
4	C	Vinyl Chloride	50.000	54.983	-10.0#	145	0.00
5	T	Bromomethane	50.000	51.612	-3.2	140	0.00
6	T	Chloroethane	50.000	57.192	-14.4	154	0.00
7	T	Trichlorofluoromethane	50.000	48.649	2.7	133	0.00
8	T	Diethyl Ether	50.000	52.112	-4.2	136	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.291	-2.6	141	0.00
10	T	Methyl Iodide	50.000	52.901	-5.8	137	0.00
11	T	Tert butyl alcohol	250.000	213.899	14.4	110	0.01
12	CM	1,1-Dichloroethene	50.000	51.703	-3.4#	140	0.00
13	T	Acrolein	250.000	167.861	32.9#	126	0.00
14	T	Allyl chloride	50.000	54.824	-9.6	148	0.00
15	T	Acrylonitrile	250.000	253.347	-1.3	128	0.00
16	T	Acetone	250.000	213.880	14.4	114	0.00
17	T	Carbon Disulfide	50.000	55.051	-10.1	142	0.00
18	T	Methyl Acetate	50.000	51.842	-3.7	128	0.00
19	T	Methyl tert-butyl Ether	50.000	48.308	3.4	126	0.00
20	T	Methylene Chloride	50.000	52.265	-4.5	144	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.312	-4.6	138	0.00
22	T	Diisopropyl ether	50.000	54.611	-9.2	145	0.00
23	T	Vinyl Acetate	250.000	257.310	-2.9	130	0.00
24	P	1,1-Dichloroethane	50.000	52.584	-5.2	144	0.00
25	T	2-Butanone	250.000	245.577	1.8	121	0.00
26	T	2,2-Dichloropropane	50.000	48.137	3.7	134	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.485	-3.0	137	0.00
28	T	Bromochloromethane	50.000	63.435	-26.9#	148	0.00
29	T	Tetrahydrofuran	250.000	242.943	2.8	120	0.00
30	C	Chloroform	50.000	48.804	2.4#	136	0.00
31	T	Cyclohexane	50.000	48.982	2.0	141	0.00
32	T	1,1,1-Trichloroethane	50.000	48.039	3.9	131	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.553	-5.1	116	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	139	0.00
35	S	Dibromofluoromethane	50.000	53.092	-6.2	128	0.00
36	T	1,1-Dichloropropene	50.000	51.513	-3.0	139	0.00
37	T	Ethyl Acetate	50.000	49.443	1.1	124	0.00
38	T	Carbon Tetrachloride	50.000	47.999	4.0	130	0.00
39	T	Methylcyclohexane	50.000	52.137	-4.3	140	0.00
40	TM	Benzene	50.000	51.545	-3.1	139	0.00
41	T	Methacrylonitrile	50.000	57.145	-14.3	172	0.00
42	TM	1,2-Dichloroethane	50.000	47.154	5.7	122	0.00
43	T	Isopropyl Acetate	50.000	48.680	2.6	120	0.00
44	TM	Trichloroethene	50.000	50.005	-0.0	135	0.00
45	C	1,2-Dichloropropane	50.000	52.843	-5.7#	139	0.00
46	T	Dibromomethane	50.000	48.192	3.6	124	0.00
47	T	Bromodichloromethane	50.000	48.509	3.0	131	0.00
48	T	Methyl methacrylate	50.000	48.851	2.3	124	0.00

Sample Results: **VY020730.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020730.D
Acq On : 27 Dec 2024 10:20
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 28 02:58:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	987.428	1.3	115	0.00
50	S	Toluene-d8	50.000	52.564	-5.1	131	0.00
51	T	4-Methyl-2-Pentanone	250.000	243.182	2.7	119	0.00
52	CM	Toluene	50.000	51.115	-2.2#	138	0.00
53	T	t-1,3-Dichloropropene	50.000	49.988	0.0	127	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.073	-2.1	133	0.00
55	T	1,1,2-Trichloroethane	50.000	48.960	2.1	129	0.00
56	T	Ethyl methacrylate	50.000	48.555	2.9	121	0.00
57	T	1,3-Dichloropropane	50.000	50.620	-1.2	129	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.828	-12.3	133	0.00
59	T	2-Hexanone	250.000	241.330	3.5	114	0.00
60	T	Dibromochloromethane	50.000	47.479	5.0	127	0.00
61	T	1,2-Dibromoethane	50.000	47.996	4.0	124	0.00
62	S	4-Bromofluorobenzene	50.000	52.533	-5.1	126	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	136	0.00
64	T	Tetrachloroethene	50.000	51.226	-2.5	135	0.00
65	PM	Chlorobenzene	50.000	50.236	-0.5	133	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.299	1.4	130	0.00
67	C	Ethyl Benzene	50.000	51.530	-3.1#	135	0.00
68	T	m/p-Xylenes	100.000	102.165	-2.2	134	0.00
69	T	o-Xylene	50.000	50.953	-1.9	133	0.00
70	T	Styrene	50.000	51.103	-2.2	133	0.00
71	P	Bromoform	50.000	48.410	3.2	119	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	132	0.00
73	T	Isopropylbenzene	50.000	51.018	-2.0	134	0.00
74	T	N-amyl acetate	50.000	51.243	-2.5	122	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.829	0.3	123	0.00
76	T	1,2,3-Trichloropropane	50.000	47.353	5.3	132	0.00
77	T	Bromobenzene	50.000	49.818	0.4	129	0.00
78	T	n-propylbenzene	50.000	51.696	-3.4	136	0.00
79	T	2-Chlorotoluene	50.000	51.704	-3.4	134	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.121	-0.2	130	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.672	0.7	120	0.00
82	T	4-Chlorotoluene	50.000	50.803	-1.6	131	0.00
83	T	tert-Butylbenzene	50.000	49.378	1.2	129	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.937	-1.9	131	0.00
85	T	sec-Butylbenzene	50.000	50.923	-1.8	133	0.00
86	T	p-Isopropyltoluene	50.000	50.601	-1.2	131	0.00
87	T	1,3-Dichlorobenzene	50.000	49.311	1.4	129	0.00
88	T	1,4-Dichlorobenzene	50.000	49.194	1.6	128	0.00
89	T	n-Butylbenzene	50.000	51.106	-2.2	132	0.00
90	T	Hexachloroethane	50.000	49.082	1.8	130	0.00
91	T	1,2-Dichlorobenzene	50.000	50.053	-0.1	125	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.188	7.6	107	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.435	3.1	120	0.00
94	T	Hexachlorobutadiene	50.000	48.539	2.9	127	0.00
95	T	Naphthalene	50.000	46.361	7.3	109	0.00

Sample Results: **VY020730.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020730.D
Acq On : 27 Dec 2024 10:20
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 28 02:58:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.236	5.5	114	0.00

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

QC SAMPLE DATA

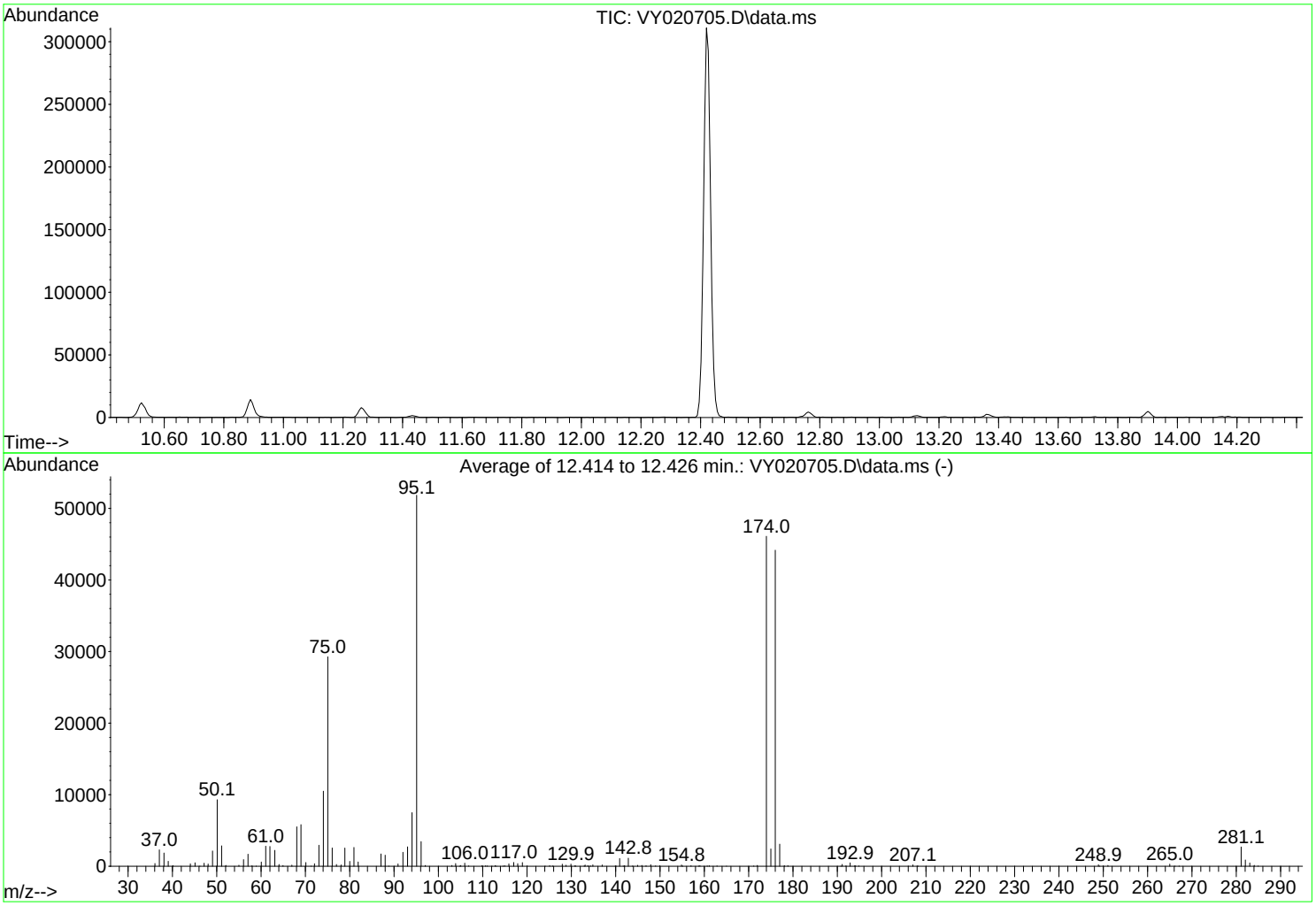
Sample Results: **VY020705.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020705.D
Acq On : 26 Dec 2024 08:29
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\82Y122624S.M
Title : SW846 8260
Last Update : Thu Dec 26 16:12:28 2024



AutoFind: Scans 1754, 1755, 1756; Background Corrected with Scan 1747

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	9300	PASS
75	95	30	60	56.5	29264	PASS
95	95	100	100	100.0	51840	PASS
96	95	5	9	6.7	3450	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	88.9	46104	PASS
175	174	5	9	5.3	2423	PASS
176	174	95	101	95.8	44160	PASS
177	176	5	9	7.0	3092	PASS

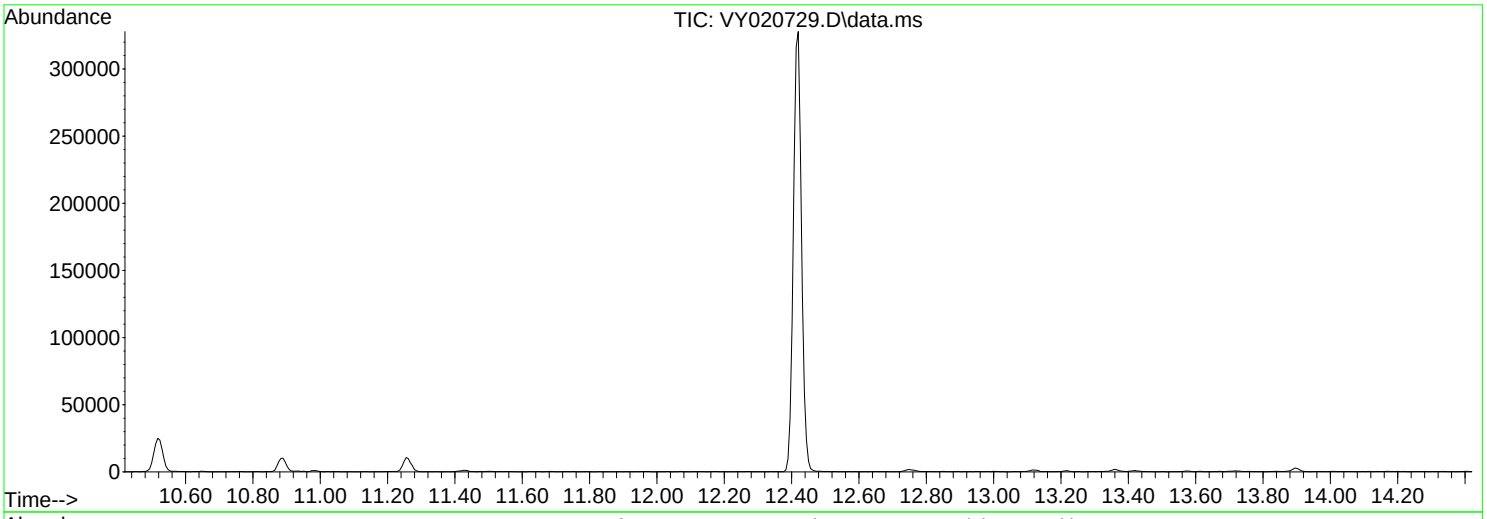
Sample Results: **VY020729.D**

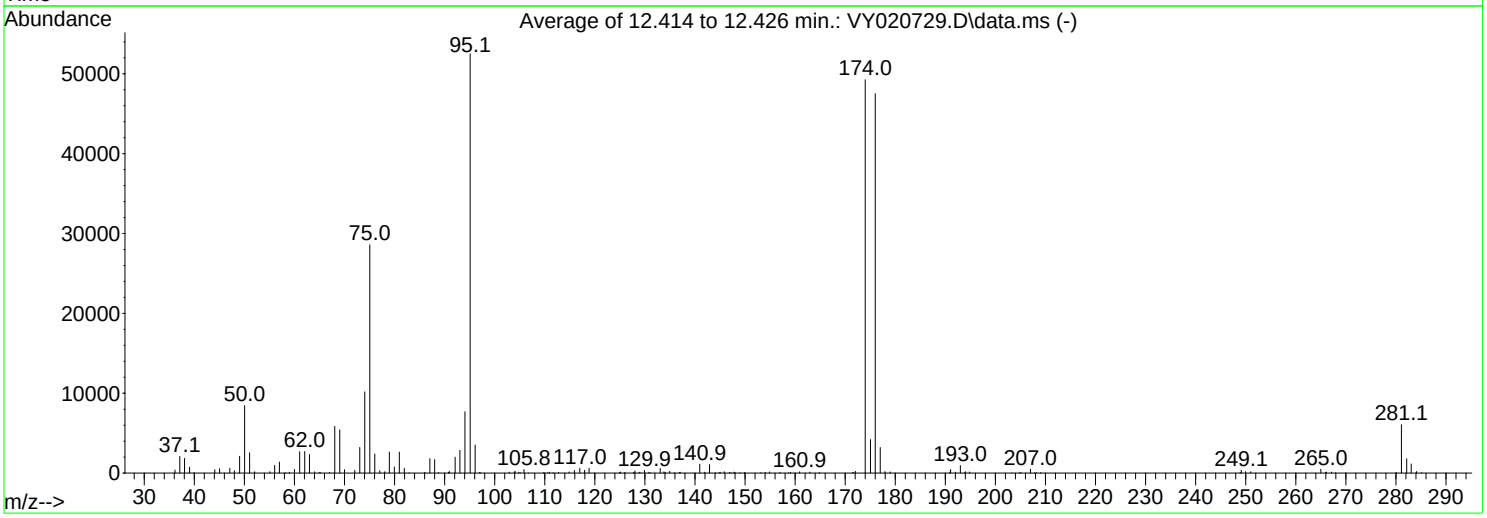
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020729.D
Acq On : 27 Dec 2024 09:05
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Title : SW846 8260
Last Update : Thu Dec 26 16:12:28 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	16.1	8453	PASS
75	95	30	60	54.4	28592	PASS
95	95	100	100	100.0	52515	PASS
96	95	5	9	6.7	3519	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	93.8	49264	PASS
175	174	5	9	8.5	4199	PASS
176	174	95	101	96.5	47520	PASS
177	176	5	9	6.7	3200	PASS

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	VY1227SBL01	SDG No.:	P5362
Lab Sample ID:	VY1227SBL01	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
VY020731.D	1		12/27/24 11:24	VY122724

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

Raw Data: **VY020731.D**

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	VY1227SBL01	SDG No.:	P5362
Lab Sample ID:	VY1227SBL01	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
VY020731.D	1		12/27/24 11:24	VY122724

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	63.5		50 - 163	127%	SPK: 50
1868-53-7	Dibromofluoromethane	57.1		54 - 147	114%	SPK: 50
2037-26-5	Toluene-d8	53.3		58 - 134	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		29 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	113000	7.719			
540-36-3	1,4-Difluorobenzene	181000	8.622			
3114-55-4	Chlorobenzene-d5	153000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	62500	13.352			

Raw Data: **VY020731.D**

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	VY1227SBL01	SDG No.:	P5362
Lab Sample ID:	VY1227SBL01	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
VY020731.D	1		12/27/24 11:24	VY122724

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\VY122724\
Data File : VY020731.D
Acq On : 27 Dec 2024 11:24
Operator : SY/MD
Sample : VY1227SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBL01

Quant Time: Dec 28 02:59:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	112620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	180909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	153112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	62475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	58576	63.500	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.000%			
35) Dibromofluoromethane	7.646	113	56931	57.133	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.260%			
50) Toluene-d8	10.115	98	211551	53.270	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.540%			
62) 4-Bromofluorobenzene	12.408	95	63919	48.267	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.540%			
Target Compounds						Qvalue

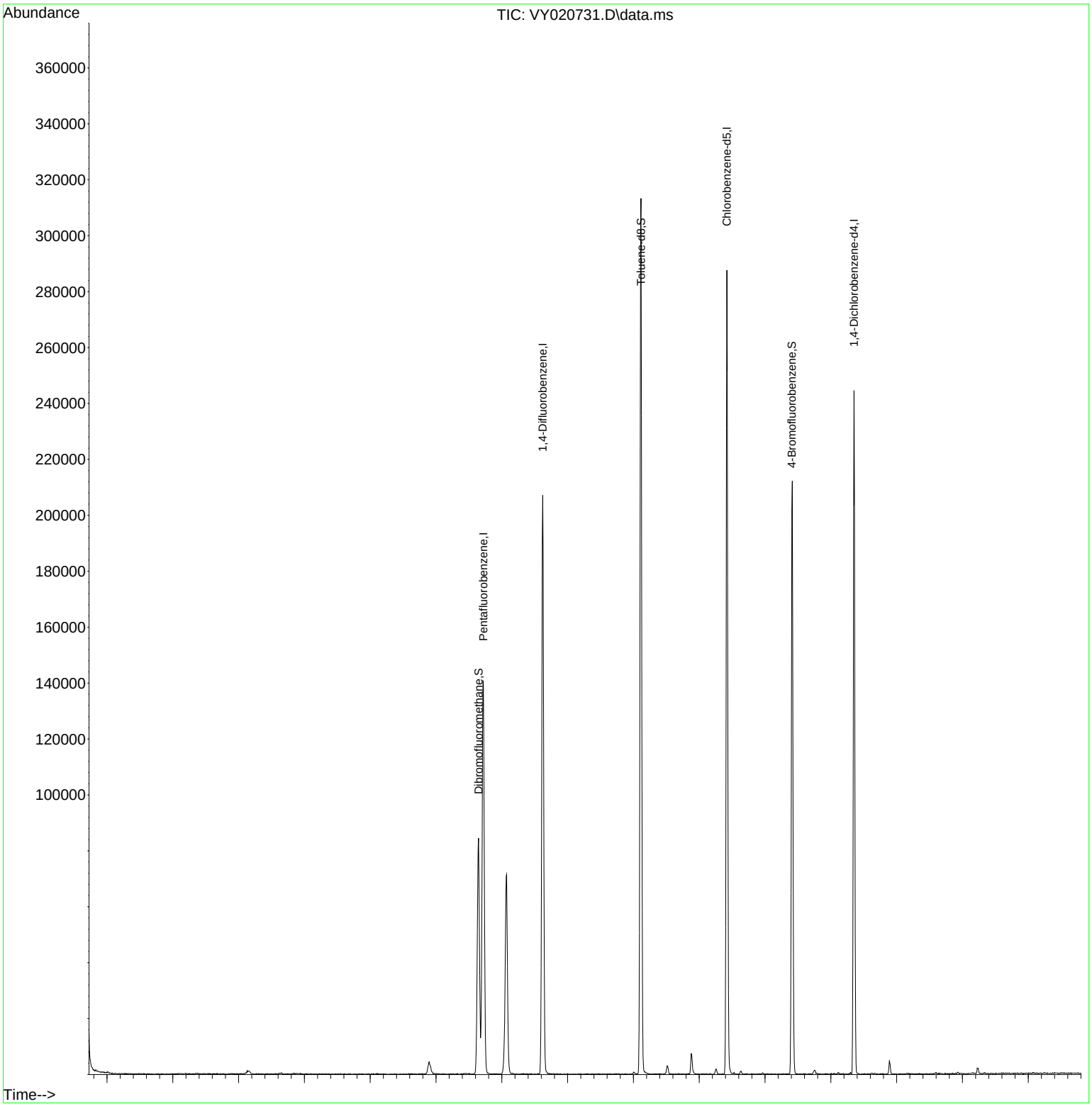
(#) = qualifier out of range (m) = manual integration (+) = signals summed

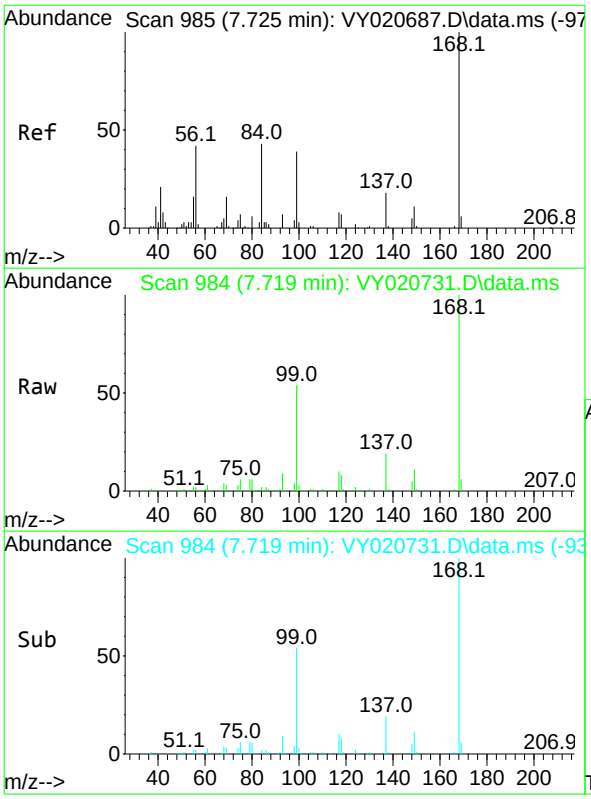
Sample Results: **VY020731.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020731.D
Acq On : 27 Dec 2024 11:24
Operator : SY/MD
Sample : VY1227SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBL01

Quant Time: Dec 28 02:59:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration



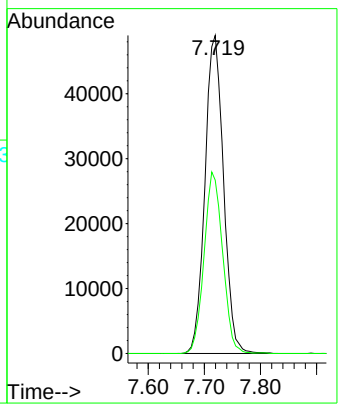


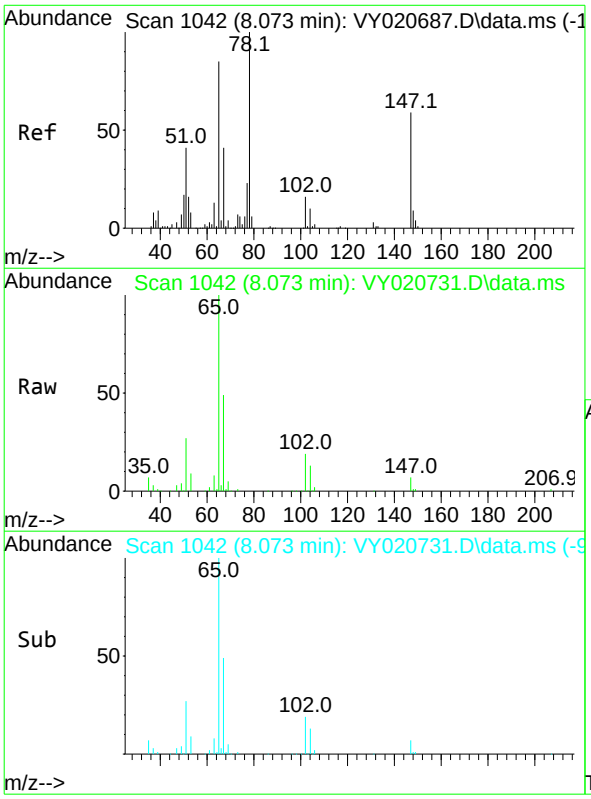
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020731.D
Acq: 27 Dec 2024 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBL01

Tgt Ion:168 Resp: 112620

Ion	Ratio	Lower	Upper
168	100		
99	54.5	43.8	65.6

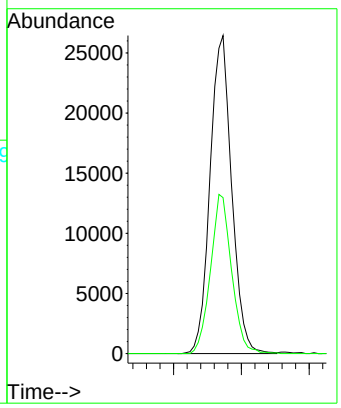


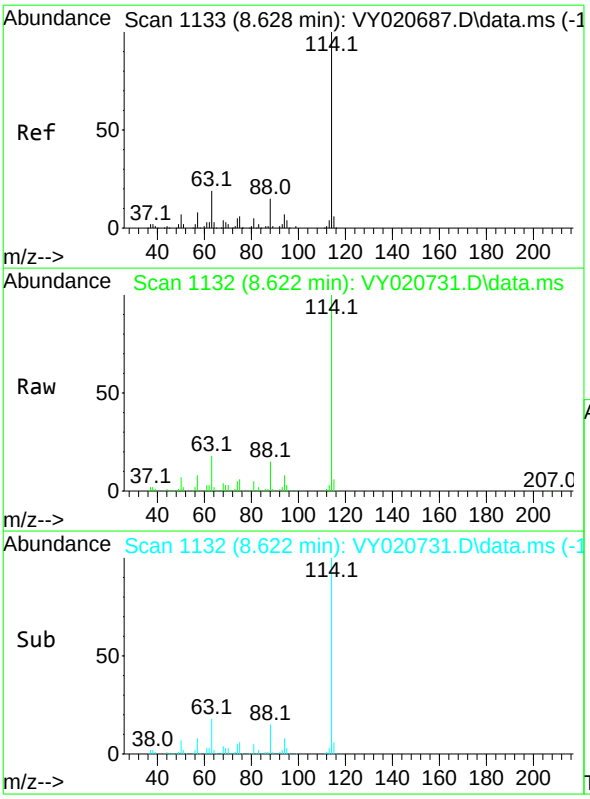


#33
1,2-Dichloroethane-d4
Concen: 63.500 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VY020731.D
Acq: 27 Dec 2024 11:24

Tgt Ion: 65 Resp: 58576

Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	98.0



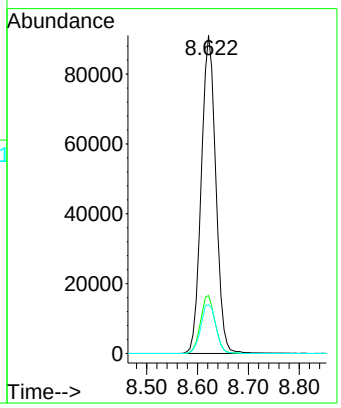


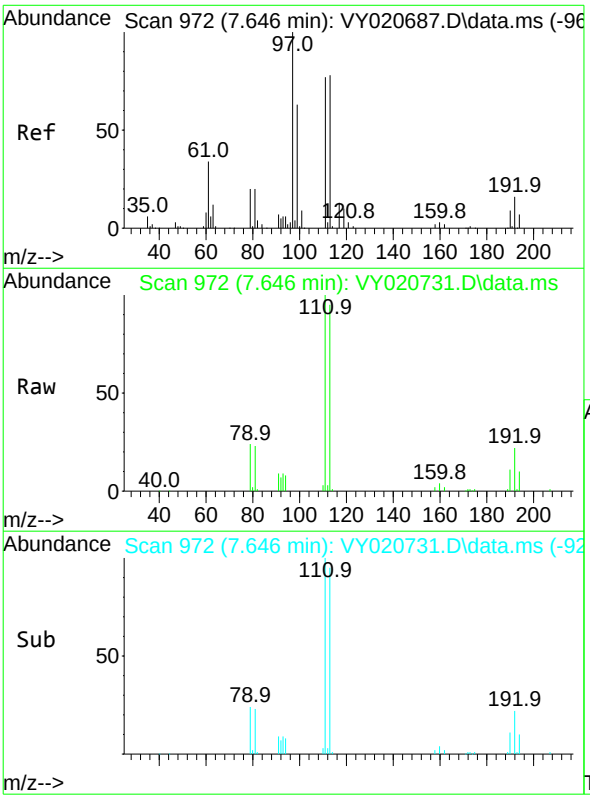
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020731.D
Acq: 27 Dec 2024 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBL01

Tgt Ion:114 Resp: 180909

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	38.4
88	15.3	0.0	30.4

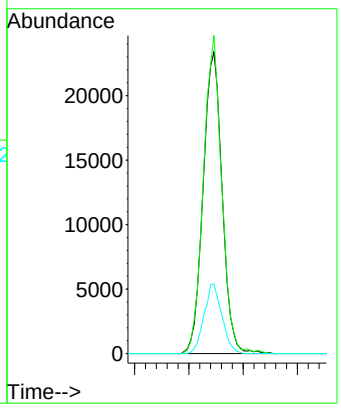


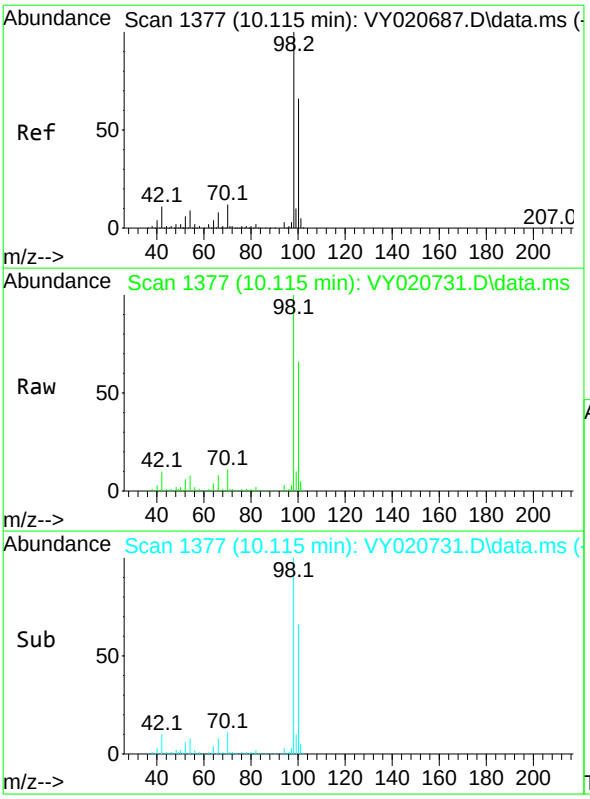


#35
Dibromofluoromethane
Concen: 57.133 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.000 min
Lab File: VY020731.D
Acq: 27 Dec 2024 11:24

Tgt Ion:113 Resp: 56931

Ion	Ratio	Lower	Upper
113	100		
111	101.7	79.8	119.8
192	21.7	17.0	25.6



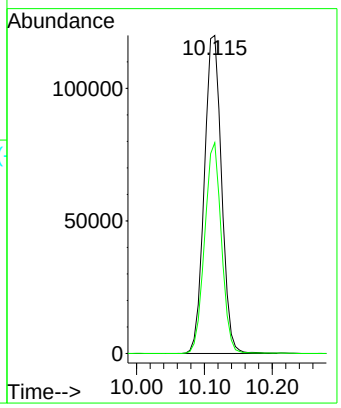


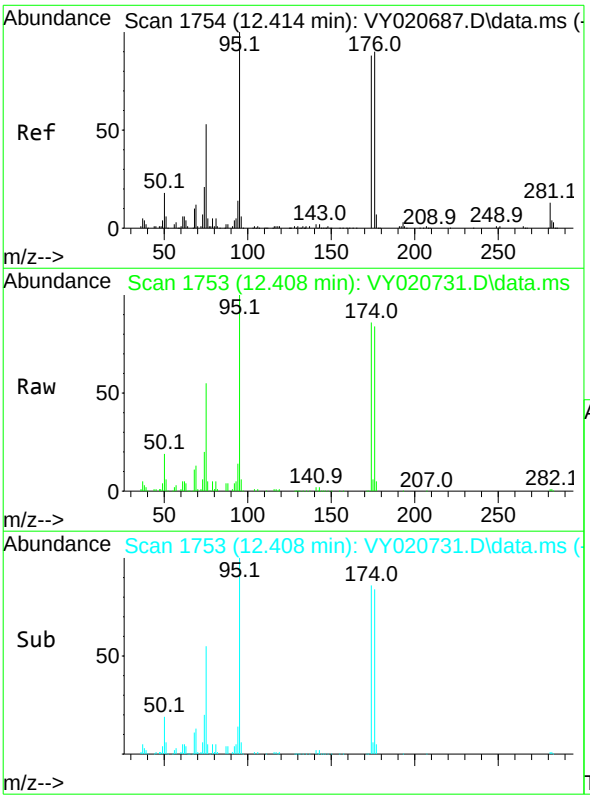
#50
Toluene-d8
Concen: 53.270 ug/l
RT: 10.115 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020731.D
Acq: 27 Dec 2024 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBL01

Tgt Ion: 98 Resp: 211551

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.4

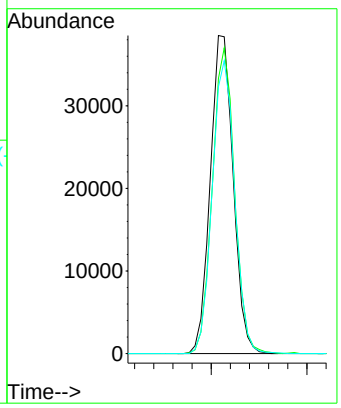


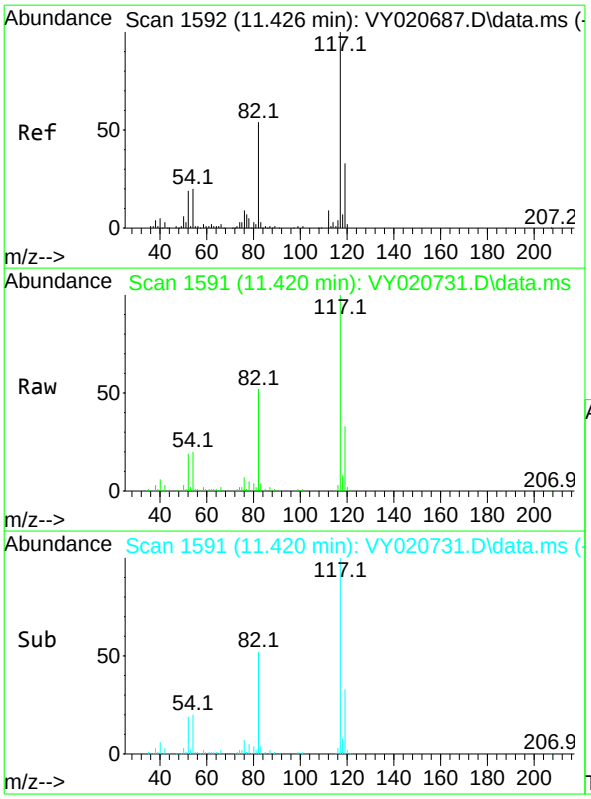


#62
4-Bromofluorobenzene
Concen: 48.267 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020731.D
Acq: 27 Dec 2024 11:24

Tgt Ion: 95 Resp: 63919

Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	179.2
176	90.8	0.0	179.8



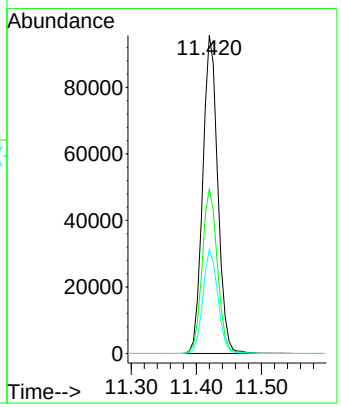


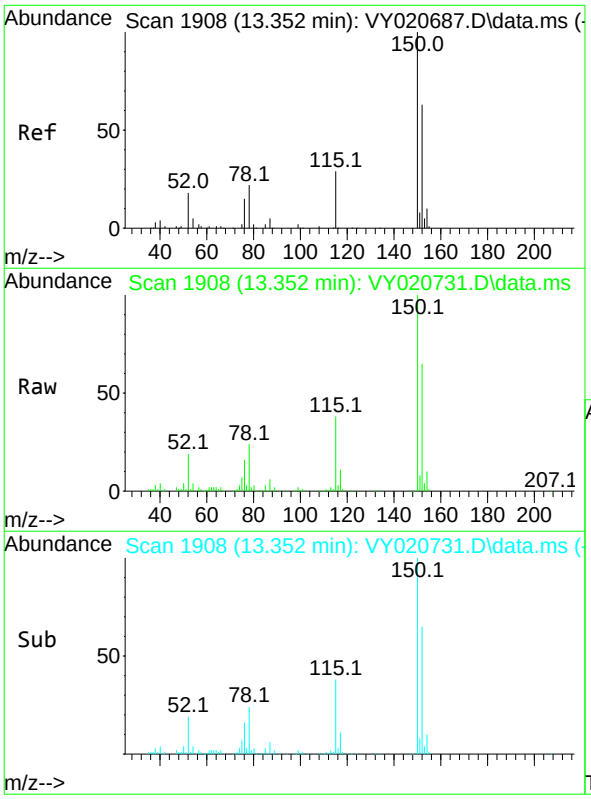
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020731.D
Acq: 27 Dec 2024 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBL01

Tgt Ion:117 Resp: 153112

Ion	Ratio	Lower	Upper
117	100		
82	51.7	43.4	65.2
119	32.7	26.6	39.8

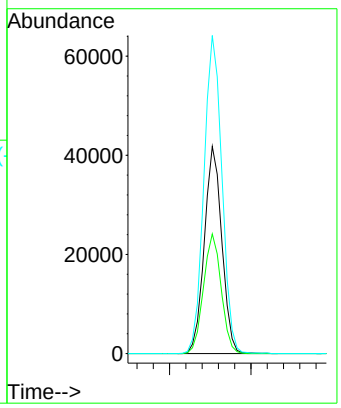




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020731.D
Acq: 27 Dec 2024 11:24

Tgt Ion:152 Resp: 62475

Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.3	90.9
150	157.9	0.0	349.0



Sample Results: **VY020731.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020731.D
Acq On : 27 Dec 2024 11:24
Operator : SY/MD
Sample : VY1227SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBL01

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\82Y122624S.M
Title : SW846 8260

Signal : TIC: VY020731.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.896	841	849	859	rVB	4296	12431	2.26%	0.431%
2	7.646	961	972	977	rBV	84384	197189	35.91%	6.838%
3	7.713	977	983	1002	rVB	140747	331451	60.37%	11.494%
4	8.073	1027	1042	1055	rBV2	71386	173579	31.61%	6.019%
5	8.622	1123	1132	1147	rBV	207045	414708	75.53%	14.381%
6	10.115	1366	1377	1390	rBV	313190	549073	100.00%	19.040%
7	10.512	1435	1442	1448	rBV	2976	5707	1.04%	0.198%
8	10.877	1497	1502	1513	rBV	7401	13337	2.43%	0.462%
9	11.420	1584	1591	1605	rBV	287586	461524	84.06%	16.004%
10	12.414	1747	1754	1764	rVB	212093	348499	63.47%	12.085%
11	13.352	1902	1908	1918	rBV	244367	368784	67.16%	12.788%
12	13.889	1989	1996	2005	rVB2	4714	7529	1.37%	0.261%

Sum of corrected areas: 2883811

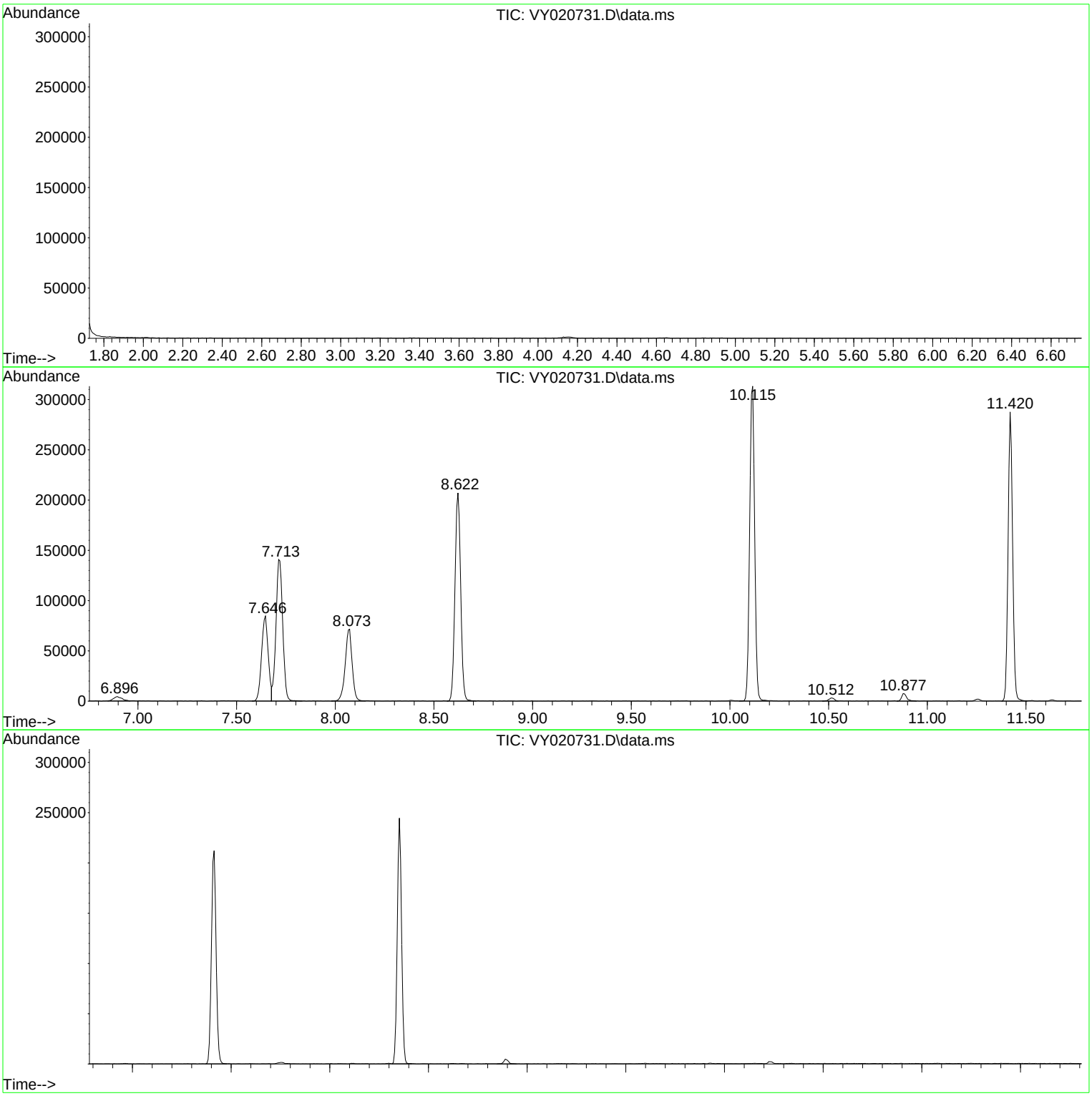
Sample Results: **VY020731.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020731.D
Acq On : 27 Dec 2024 11:24
Operator : SY/MD
Sample : VY1227SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020731.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020731.D
Acq On : 27 Dec 2024 11:24
Operator : SY/MD
Sample : VY1227SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.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\VY122724\
Data File : VY020731.D
Acq On : 27 Dec 2024 11:24
Operator : SY/MD
Sample : VY1227SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.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: **VY020732.D**

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	VY1227SBS01	SDG No.:	P5362
Lab Sample ID:	VY1227SBS01	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
VY020732.D	1		12/27/24 12:03	VY122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.9		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.6		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.3		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.3		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.6		0.78	5.00	ug/Kg
67-64-1	Acetone	91.0		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.0		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.1		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.1		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	20.2		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.2		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.6		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.4		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.1		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.6		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.3		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.8		0.87	5.00	ug/Kg
71-43-2	Benzene	20.7		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.3		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.9		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.6		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.7		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	20.4		0.67	5.00	ug/Kg

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	VY1227SBS01	SDG No.:	P5362
Lab Sample ID:	VY1227SBS01	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
VY020732.D	1		12/27/24 12:03	VY122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.8		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.7		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.0		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.6		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.9		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.6		0.70	5.00	ug/Kg
100-42-5	Styrene	21.0		0.60	5.00	ug/Kg
75-25-2	Bromoform	19.9		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.4		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.4		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.1		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.7		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.9		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	54.3		54 - 147	109%	SPK: 50
2037-26-5	Toluene-d8	52.7		58 - 134	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		29 - 146	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	137000	7.719			
540-36-3	1,4-Difluorobenzene	195000	8.622			
3114-55-4	Chlorobenzene-d5	164000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	85000	13.359			

Raw Data: **VY020732.D**

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	VY1227SBS01	SDG No.:	P5362
Lab Sample ID:	VY1227SBS01	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
VY020732.D	1		12/27/24 12:03	VY122724

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\VY122724\
Data File : VY020732.D
Acq On : 27 Dec 2024 12:03
Operator : SY/MD
Sample : VY1227SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 03:00:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	136570	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	194898	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	164208	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	85032	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	61288	54.788	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.580%				
35) Dibromofluoromethane	7.646	113	58304	54.311	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.620%				
50) Toluene-d8	10.115	98	225185	52.654	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.300%				
62) 4-Bromofluorobenzene	12.414	95	75736	53.086	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 106.180%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	20617	19.179	ug/l		95
3) Chloromethane	2.080	50	8371	20.880	ug/l		98
4) Vinyl Chloride	2.214	62	9756	19.641	ug/l		98
5) Bromomethane	2.605	94	7445	19.852	ug/l		97
6) Chloroethane	2.745	64	6050	20.304	ug/l		90
7) Trichlorofluoromethane	3.074	101	35014	18.330	ug/l		99
8) Diethyl Ether	3.464	74	9185	20.207	ug/l		91
9) 1,1,2-Trichlorotrifluo...	3.836	101	21341	20.351	ug/l		99
10) Methyl Iodide	4.019	142	22125	19.294	ug/l		96
11) Tert butyl alcohol	4.879	59	7516	94.705	ug/l	#	85
12) 1,1-Dichloroethene	3.806	96	18283	19.588	ug/l		91
13) Acrolein	3.671	56	2960	126.581	ug/l		94
14) Allyl chloride	4.397	41	24398	22.337	ug/l		89
15) Acrylonitrile	5.074	53	18364	104.583	ug/l		95
16) Acetone	3.885	43	12917	91.023	ug/l		90
17) Carbon Disulfide	4.123	76	43450	18.977	ug/l		97
18) Methyl Acetate	4.409	43	8490	22.105	ug/l		96
19) Methyl tert-butyl Ether	5.135	73	52162	20.050	ug/l		96
20) Methylene Chloride	4.635	84	18994	20.579	ug/l		96
21) trans-1,2-Dichloroethene	5.135	96	20359	20.241	ug/l		97
22) Diisopropyl ether	6.037	45	50468	22.729	ug/l	#	96
23) Vinyl Acetate	5.970	43	142300	107.296	ug/l		99
24) 1,1-Dichloroethane	5.933	63	35357	21.239	ug/l		96
25) 2-Butanone	6.909	43	19876	103.684	ug/l		99
26) 2,2-Dichloropropane	6.896	77	39768	19.517	ug/l		100
27) cis-1,2-Dichloroethene	6.909	96	24594	20.418	ug/l		99
28) Bromochloromethane	7.256	49	8410	19.103	ug/l		98
29) Tetrahydrofuran	7.274	42	12370	105.127	ug/l		97
30) Chloroform	7.433	83	44041	20.565	ug/l		94
31) Cyclohexane	7.713	56	28692	19.967	ug/l		98
32) 1,1,1-Trichloroethane	7.628	97	44263	19.282	ug/l		97
36) 1,1-Dichloropropene	7.848	75	28796	20.307	ug/l		97
37) Ethyl Acetate	6.994	43	9754	20.874	ug/l		99
38) Carbon Tetrachloride	7.829	117	43483	18.621	ug/l		94
39) Methylcyclohexane	9.116	83	35984	19.798	ug/l		97
40) Benzene	8.091	78	84932	20.666	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020732.D
Acq On : 27 Dec 2024 12:03
Operator : SY/MD
Sample : VY1227SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 28 03:00:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	4064	17.217	ug/l	#	68
42) 1,2-Dichloroethane	8.171	62	25446	19.309	ug/l		98
43) Isopropyl Acetate	8.207	43	20192	20.330	ug/l	#	82
44) Trichloroethene	8.878	130	24446	19.915	ug/l		86
45) 1,2-Dichloropropane	9.152	63	17969	21.600	ug/l		98
46) Dibromomethane	9.244	93	11176	19.416	ug/l		97
47) Bromodichloromethane	9.426	83	32107	19.674	ug/l		91
48) Methyl methacrylate	9.231	41	9360	20.180	ug/l		92
49) 1,4-Dioxane	9.244	88	2003	365.315	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.006	43	49210	102.648	ug/l		100
52) Toluene	10.182	92	57392	20.375	ug/l		97
53) t-1,3-Dichloropropene	10.402	75	28139	19.632	ug/l		97
54) cis-1,3-Dichloropropene	9.865	75	31092	19.790	ug/l		97
55) 1,1,2-Trichloroethane	10.579	97	15127	20.588	ug/l		95
56) Ethyl methacrylate	10.445	69	18880	19.559	ug/l		94
57) 1,3-Dichloropropane	10.725	76	25218	21.147	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	15490	46.019	ug/l		99
59) 2-Hexanone	10.768	43	31912	100.819	ug/l		99
60) Dibromochloromethane	10.920	129	23437	19.740	ug/l		99
61) 1,2-Dibromoethane	11.024	107	13756	19.897	ug/l		98
64) Tetrachloroethene	10.652	164	22452	20.013	ug/l		94
65) Chlorobenzene	11.451	112	66254	20.606	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	25379	20.373	ug/l		98
67) Ethyl Benzene	11.524	91	116126	20.664	ug/l		95
68) m/p-Xylenes	11.633	106	89907	41.941	ug/l		97
69) o-Xylene	11.963	106	42101	20.556	ug/l		99
70) Styrene	11.975	104	72046	20.955	ug/l		97
71) Bromoform	12.139	173	14274	19.931	ug/l	#	100
73) Isopropylbenzene	12.261	105	118788	20.164	ug/l		100
74) N-amyl acetate	12.078	43	17064	20.383	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	15441	20.446	ug/l		97
76) 1,2,3-Trichloropropane	12.566	75	12753m	23.581	ug/l		
77) Bromobenzene	12.536	156	27416	20.216	ug/l		99
78) n-propylbenzene	12.603	91	136035	20.602	ug/l		99
79) 2-Chlorotoluene	12.688	91	76331	20.279	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	97448	19.854	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	5233	19.126	ug/l		95
82) 4-Chlorotoluene	12.786	91	78159	20.092	ug/l		99
83) tert-Butylbenzene	13.005	119	92005	20.072	ug/l		97
84) 1,2,4-Trimethylbenzene	13.054	105	97726	20.461	ug/l		100
85) sec-Butylbenzene	13.182	105	125729	20.352	ug/l		99
86) p-Isopropyltoluene	13.298	119	110840	20.133	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	54011	20.378	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	52879	20.056	ug/l		98
89) n-Butylbenzene	13.627	91	93412	20.326	ug/l		99
90) Hexachloroethane	13.889	117	20938	20.001	ug/l		98
91) 1,2-Dichlorobenzene	13.670	146	45733	20.124	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	2614	17.846	ug/l		95
93) 1,2,4-Trichlorobenzene	14.932	180	26948	18.656	ug/l		99
94) Hexachlorobutadiene	15.035	225	20142	19.132	ug/l		99
95) Naphthalene	15.151	128	42514	18.376	ug/l		98
96) 1,2,3-Trichlorobenzene	15.340	180	22719	18.890	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020732.D
Acq On : 27 Dec 2024 12:03
Operator : SY/MD
Sample : VY1227SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 03:00:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

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

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

Sample Results: **VY020732.D**

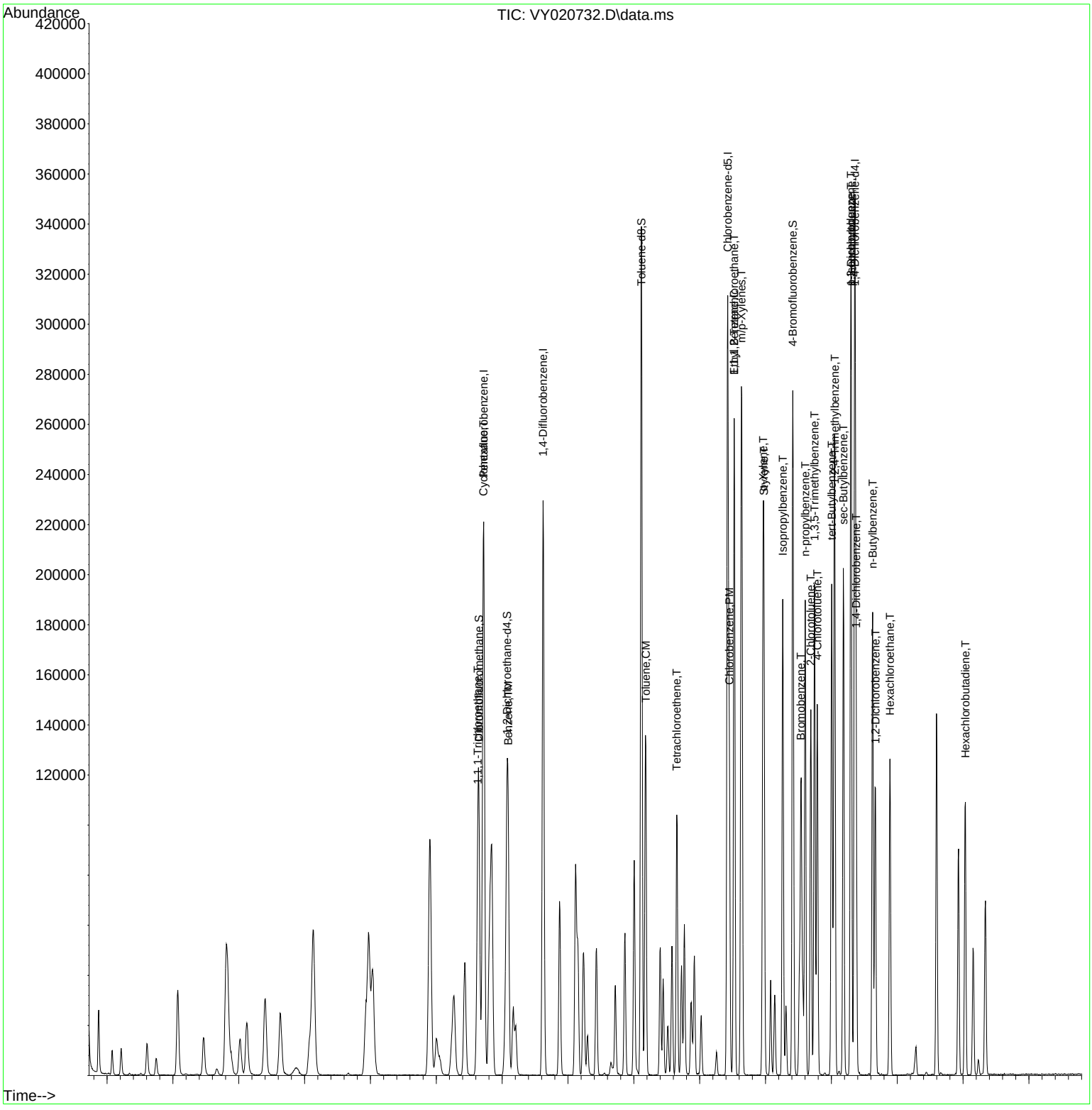
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020732.D
Acq On : 27 Dec 2024 12:03
Operator : SY/MD
Sample : VY1227SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 28 03:00:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



Raw Data: **VY020733.D**

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	VY1227SBSD01	SDG No.:	P5362
Lab Sample ID:	VY1227SBSD01	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
VY020733.D	1		12/27/24 12:26	VY122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		1.70	5.00	ug/Kg
74-87-3	Chloromethane	22.9		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.8		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.3		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.7		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	20.4		0.78	5.00	ug/Kg
67-64-1	Acetone	100		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.8		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.7		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	23.0		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.7		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.0		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	20.5		0.69	5.00	ug/Kg
78-93-3	2-Butanone	120		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.3		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.4		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.3		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.7		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.7		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.2		0.87	5.00	ug/Kg
71-43-2	Benzene	21.2		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.2		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.0		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	21.1		0.67	5.00	ug/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	VY1227SBSD01	SDG No.:	P5362
Lab Sample ID:	VY1227SBSD01	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
VY020733.D	1		12/27/24 12:26	VY122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.5		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.7		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.6		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.7		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.8		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.1		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.4		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.0		0.70	5.00	ug/Kg
100-42-5	Styrene	20.9		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.8		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.0		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.0		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.7		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.6		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.0		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		50 - 163	112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		54 - 147	107%	SPK: 50
2037-26-5	Toluene-d8	52.7		58 - 134	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		29 - 146	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	129000	7.72			
540-36-3	1,4-Difluorobenzene	186000	8.622			
3114-55-4	Chlorobenzene-d5	158000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	79100	13.353			

Raw Data: **VY020733.D**

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	VY1227SBSD01	SDG No.:	P5362
Lab Sample ID:	VY1227SBSD01	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
VY020733.D	1		12/27/24 12:26	VY122724

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: **VY020733.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020733.D
Acq On : 27 Dec 2024 12:26
Operator : SY/MD
Sample : VY1227SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 28 03:01:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBSD01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.720	168	129413	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	186352	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	158160	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	79149	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	59243	55.889	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.780%				
35) Dibromofluoromethane	7.640	113	55021	53.603	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.200%				
50) Toluene-d8	10.109	98	215701	52.746	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.500%				
62) 4-Bromofluorobenzene	12.408	95	72611	53.229	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 106.460%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	19975	19.610	ug/l		92
3) Chloromethane	2.074	50	8689	22.872	ug/l		95
4) Vinyl Chloride	2.214	62	9331	19.824	ug/l		93
5) Bromomethane	2.605	94	7379	20.764	ug/l		99
6) Chloroethane	2.739	64	6014	21.299	ug/l	#	86
7) Trichlorofluoromethane	3.068	101	33875	18.715	ug/l		97
8) Diethyl Ether	3.464	74	9258	21.494	ug/l		96
9) 1,1,2-Trichlorotrifluo...	3.824	101	20789	20.921	ug/l		98
10) Methyl Iodide	4.013	142	21673	19.945	ug/l		98
11) Tert butyl alcohol	4.879	59	8443	116.445	ug/l		100
12) 1,1-Dichloroethene	3.799	96	18053	20.411	ug/l		98
13) Acrolein	3.659	56	3505	158.176	ug/l		95
14) Allyl chloride	4.397	41	23099	22.317	ug/l		92
15) Acrylonitrile	5.074	53	18890	113.528	ug/l		97
16) Acetone	3.879	43	13905	103.404	ug/l		96
17) Carbon Disulfide	4.117	76	42853	19.751	ug/l		99
18) Methyl Acetate	4.397	43	8386	23.042	ug/l		99
19) Methyl tert-butyl Ether	5.129	73	51019	20.695	ug/l		100
20) Methylene Chloride	4.623	84	18611	21.280	ug/l		90
21) trans-1,2-Dichloroethene	5.122	96	19728	20.699	ug/l		98
22) Diisopropyl ether	6.025	45	49974	23.751	ug/l		98
23) Vinyl Acetate	5.970	43	141793	112.826	ug/l		100
24) 1,1-Dichloroethane	5.921	63	34737	22.020	ug/l		97
25) 2-Butanone	6.903	43	21027	115.755	ug/l		97
26) 2,2-Dichloropropane	6.896	77	39062	20.231	ug/l		98
27) cis-1,2-Dichloroethene	6.903	96	24416	21.392	ug/l		99
28) Bromochloromethane	7.256	49	8041	19.275	ug/l		99
29) Tetrahydrofuran	7.268	42	13347	119.703	ug/l		98
30) Chloroform	7.427	83	44126	21.745	ug/l		100
31) Cyclohexane	7.707	56	27969	20.540	ug/l	#	93
32) 1,1,1-Trichloroethane	7.628	97	45099	20.733	ug/l		99
36) 1,1-Dichloropropene	7.841	75	27889	20.569	ug/l		99
37) Ethyl Acetate	6.994	43	10313	23.082	ug/l		99
38) Carbon Tetrachloride	7.829	117	43183	19.341	ug/l		95
39) Methylcyclohexane	9.116	83	35058	20.173	ug/l		96
40) Benzene	8.085	78	83465	21.240	ug/l		95

Sample Results: **VY020733.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020733.D
Acq On : 27 Dec 2024 12:26
Operator : SY/MD
Sample : VY1227SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 28 03:01:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	4599m	20.377	ug/l		
42) 1,2-Dichloroethane	8.165	62	25498	20.236	ug/l		99
43) Isopropyl Acetate	8.201	43	20040	21.102	ug/l	#	88
44) Trichloroethene	8.872	130	24167	20.591	ug/l		90
45) 1,2-Dichloropropane	9.146	63	17474	21.968	ug/l		100
46) Dibromomethane	9.238	93	11329	20.584	ug/l		98
47) Bromodichloromethane	9.427	83	32115	20.582	ug/l		97
48) Methyl methacrylate	9.225	41	9774	22.039	ug/l		94
49) 1,4-Dioxane	9.231	88	2199	419.455	ug/l	#	85
51) 4-Methyl-2-Pentanone	10.000	43	51510	112.373	ug/l		100
52) Toluene	10.176	92	56698	21.052	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	28098	20.503	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	30822	20.518	ug/l		95
55) 1,1,2-Trichloroethane	10.579	97	15234	21.684	ug/l		90
56) Ethyl methacrylate	10.445	69	19587	21.222	ug/l		97
57) 1,3-Dichloropropane	10.719	76	25216	22.115	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	34970	108.656	ug/l		98
59) 2-Hexanone	10.762	43	32879	108.637	ug/l		98
60) Dibromochloromethane	10.914	129	23351	20.570	ug/l		98
61) 1,2-Dibromoethane	11.018	107	13663	20.669	ug/l		100
64) Tetrachloroethene	10.652	164	22493	20.816	ug/l		92
65) Chlorobenzene	11.444	112	64038	20.678	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.524	131	25358	21.135	ug/l		96
67) Ethyl Benzene	11.524	91	114075	21.076	ug/l		100
68) m/p-Xylenes	11.633	106	87611	42.432	ug/l		97
69) o-Xylene	11.957	106	41401	20.987	ug/l		98
70) Styrene	11.975	104	69293	20.925	ug/l		98
71) Bromoform	12.139	173	14328	20.771	ug/l	#	99
73) Isopropylbenzene	12.261	105	116466	21.239	ug/l		99
74) N-amyl acetate	12.078	43	17162	22.024	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	15699	22.332	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	13640m	27.096	ug/l		
77) Bromobenzene	12.536	156	26425	20.934	ug/l		99
78) n-propylbenzene	12.597	91	130855	21.291	ug/l		100
79) 2-Chlorotoluene	12.682	91	74872	21.370	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	96868	21.203	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	5753	22.589	ug/l		92
82) 4-Chlorotoluene	12.780	91	77903	21.514	ug/l		99
83) tert-Butylbenzene	12.999	119	91029	21.335	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	94951	21.357	ug/l		99
85) sec-Butylbenzene	13.182	105	121641	21.154	ug/l		98
86) p-Isopropyltoluene	13.298	119	107600	20.997	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	51752	20.977	ug/l		96
88) 1,4-Dichlorobenzene	13.371	146	51614	21.031	ug/l		99
89) n-Butylbenzene	13.621	91	90120	21.067	ug/l		99
90) Hexachloroethane	13.883	117	20125	20.653	ug/l		100
91) 1,2-Dichlorobenzene	13.664	146	43886	20.746	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2700	19.803	ug/l		96
93) 1,2,4-Trichlorobenzene	14.926	180	26417	19.647	ug/l		99
94) Hexachlorobutadiene	15.029	225	19308	19.703	ug/l		98
95) Naphthalene	15.151	128	42532	19.750	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	22351	19.965	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020733.D
Acq On : 27 Dec 2024 12:26
Operator : SY/MD
Sample : VY1227SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 03:01:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

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

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

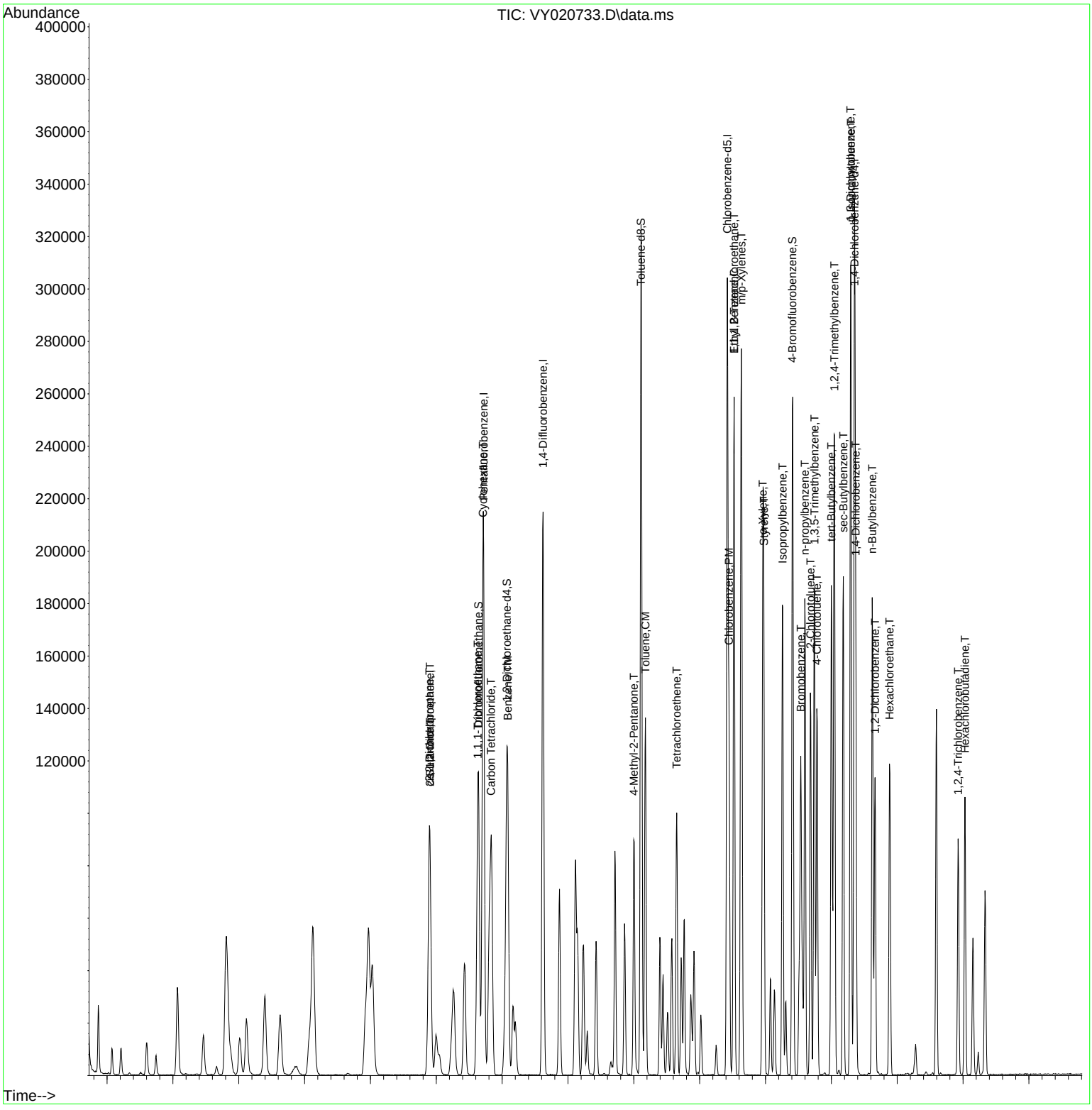
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020733.D
Acq On : 27 Dec 2024 12:26
Operator : SY/MD
Sample : VY1227SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 28 03:01:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



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Manual Integration Report

Sequence:	VY122624	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY020706.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:16 AM	SAM	12/27/2024 9:59:40 AM	Peak Integrated by Software
VSTDICC005	VY020706.D	Methylene Chloride	MMDadoda	12/27/2024 9:56:16 AM	SAM	12/27/2024 9:59:40 AM	Peak Integrated by Software
VSTDICC005	VY020706.D	Tert butyl alcohol	MMDadoda	12/27/2024 9:56:16 AM	SAM	12/27/2024 9:59:40 AM	Peak Integrated by Software
VSTDICC010	VY020707.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:18 AM	SAM	12/27/2024 9:59:42 AM	Peak Integrated by Software
VSTDICC020	VY020708.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:21 AM	SAM	12/27/2024 9:59:45 AM	Peak Integrated by Software
VSTDICCC050	VY020709.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:23 AM	SAM	12/27/2024 9:59:47 AM	Peak Integrated by Software
VSTDICC150	VY020710.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:26 AM	SAM	12/27/2024 9:59:49 AM	Peak Integrated by Software
VSTDICC100	VY020711.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:28 AM	SAM	12/27/2024 9:59:51 AM	Peak Integrated by Software
VSTDICV050	VY020713.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:30 AM	SAM	12/27/2024 9:59:53 AM	Peak Integrated by Software
VSTDCCC050	VY020728.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:37 AM	SAM	12/27/2024 10:00:00 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY122724	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020730.D	1,2,3-Trichloropropane	SAM	12/30/2024 8:42:25 AM	MMDadoda	12/30/2024 12:44:09 PM	Peak Integrated by Software
VY1227SBS01	VY020732.D	1,2,3-Trichloropropane	SAM	12/30/2024 8:42:29 AM	MMDadoda	12/30/2024 12:44:11 PM	Peak Integrated by Software
VY1227SBSD01	VY020733.D	1,2,3-Trichloropropane	SAM	12/30/2024 8:42:34 AM	MMDadoda	12/30/2024 12:44:13 PM	Peak Integrated by Software
VY1227SBSD01	VY020733.D	Methacrylonitrile	SAM	12/30/2024 8:42:34 AM	MMDadoda	12/30/2024 12:44:13 PM	Peak Integrated by Software
VSTDCCC050	VY020749.D	1,2,3-Trichloropropane	SAM	12/30/2024 8:42:45 AM	MMDadoda	12/30/2024 12:44:16 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122624

Review By	Mahesh Dadoda	Review On	12/27/2024 9:56:45 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/27/2024 10:00:03 AM				
SubDirectory	VY122624	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122624S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP132321
Initial Calibration Stds	VP132326,VP132327,VP132328,VP132329,VP132330,VP132331
CCC	VP132333,VP132334
Internal Standard/PEM	
ICV/I.BLK	VP132332
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020705.D	26 Dec 2024 08:29	SY/MD	Ok
2	VSTDICC005	VY020706.D	26 Dec 2024 09:31	SY/MD	Ok,M
3	VSTDICC010	VY020707.D	26 Dec 2024 09:53	SY/MD	Ok,M
4	VSTDICC020	VY020708.D	26 Dec 2024 10:16	SY/MD	Ok,M
5	VSTDICCC050	VY020709.D	26 Dec 2024 10:39	SY/MD	Ok,M
6	VSTDICC150	VY020710.D	26 Dec 2024 11:01	SY/MD	Ok,M
7	VSTDICC100	VY020711.D	26 Dec 2024 11:51	SY/MD	Ok,M
8	VIBLK	VY020712.D	26 Dec 2024 12:13	SY/MD	Ok
9	VSTDICV050	VY020713.D	26 Dec 2024 12:51	SY/MD	Ok,M
10	VY1226SBL01	VY020714.D	26 Dec 2024 13:56	SY/MD	Ok
11	VY1226SBS01	VY020715.D	26 Dec 2024 14:32	SY/MD	Ok,M
12	VY1226SBSD01	VY020716.D	26 Dec 2024 14:54	SY/MD	Ok,M
13	P5383-01	VY020717.D	26 Dec 2024 15:18	SY/MD	Not Ok
14	P5316-01	VY020718.D	26 Dec 2024 15:41	SY/MD	Ok
15	P5383-01	VY020719.D	26 Dec 2024 16:04	SY/MD	ReRun
16	P5316-02	VY020720.D	26 Dec 2024 16:28	SY/MD	Ok
17	P5383-01	VY020721.D	26 Dec 2024 16:51	SY/MD	Ok
18	P5316-03	VY020722.D	26 Dec 2024 17:15	SY/MD	Ok
19	P5342-01RE	VY020723.D	26 Dec 2024 17:38	SY/MD	Confirms
20	P5342-03RE	VY020724.D	26 Dec 2024 18:01	SY/MD	Confirms
21	P5342-05RE	VY020725.D	26 Dec 2024 18:25	SY/MD	Confirms

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 # VY122624

Review By	Mahesh Dadoda	Review On	12/27/2024 9:56:45 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/27/2024 10:00:03 AM				
SubDirectory	VY122624	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122624S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP132321
Initial Calibration Stds	VP132326,VP132327,VP132328,VP132329,VP132330,VP132331
CCC	VP132333,VP132334
Internal Standard/PEM	
ICV/I.BLK	VP132332
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P5318-01	VY020726.D	26 Dec 2024 18:48	SY/MD	ReRun
23	P5382-01	VY020727.D	26 Dec 2024 19:12	SY/MD	Ok
24	VSTDCCC050	VY020728.D	26 Dec 2024 19:34	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 # VY122724

Review By	Mahesh Dadoda	Review On	12/30/2024 12:44:21 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/30/2024 12:46:36 PM				
SubDirectory	VY122724	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122624S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP132344
Initial Calibration Stds	
CCC	VP132345,VP132346
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020729.D	27 Dec 2024 09:05	SY/MD	Ok
2	VSTDCCC050	VY020730.D	27 Dec 2024 10:20	SY/MD	Ok,M
3	VY1227SBL01	VY020731.D	27 Dec 2024 11:24	SY/MD	Ok
4	VY1227SBS01	VY020732.D	27 Dec 2024 12:03	SY/MD	Ok,M
5	VY1227SBSD01	VY020733.D	27 Dec 2024 12:26	SY/MD	Ok,M
6	P5382-02	VY020734.D	27 Dec 2024 12:55	SY/MD	Ok
7	P5382-03	VY020735.D	27 Dec 2024 13:18	SY/MD	Ok
8	P5387-01	VY020736.D	27 Dec 2024 14:00	SY/MD	Not Ok
9	P5318-01	VY020737.D	27 Dec 2024 14:24	SY/MD	Not Ok
10	P5362-01	VY020738.D	27 Dec 2024 14:47	SY/MD	Ok
11	P5387-01	VY020739.D	27 Dec 2024 15:10	SY/MD	Not Ok
12	P5386-01	VY020740.D	27 Dec 2024 15:34	SY/MD	Dilution
13	VIBLK	VY020741.D	27 Dec 2024 15:57	SY/MD	Ok
14	VIBLK	VY020742.D	27 Dec 2024 16:21	SY/MD	Ok
15	P5318-01	VY020743.D	27 Dec 2024 16:44	SY/MD	Ok
16	VIBLK	VY020744.D	27 Dec 2024 17:07	SY/MD	Ok
17	P5387-01	VY020745.D	27 Dec 2024 17:31	SY/MD	Ok
18	P5390-01	VY020746.D	27 Dec 2024 17:54	SY/MD	ReRun
19	P5391-01	VY020747.D	27 Dec 2024 18:18	SY/MD	Not Ok
20	VIBLK	VY020748.D	27 Dec 2024 18:41	SY/MD	Ok
21	VSTDCCC050	VY020749.D	27 Dec 2024 19:04	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 # VY122624

Review By	Mahesh Dadoda	Review On	12/27/2024 9:56:45 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/27/2024 10:00:03 AM		
SubDirectory	VY122624	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122624S.M

STD. NAME	STD REF.#
Tune/Reschk	VP132321
Initial Calibration Stds	VP132326,VP132327,VP132328,VP132329,VP132330,VP132331
CCC	VP132333,VP132334
Internal Standard/PEM	
ICV/I.BLK	VP132332
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020705.D	26 Dec 2024 08:29		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020706.D	26 Dec 2024 09:31	Fail for acroline	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY020707.D	26 Dec 2024 09:53	LR-11,50	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020708.D	26 Dec 2024 10:16		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY020709.D	26 Dec 2024 10:39		SY/MD	Ok,M
6	VSTDICC150	VSTDICC150	VY020710.D	26 Dec 2024 11:01		SY/MD	Ok,M
7	VSTDICC100	VSTDICC100	VY020711.D	26 Dec 2024 11:51		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020712.D	26 Dec 2024 12:13		SY/MD	Ok
9	VSTDICV050	ICVVY122624	VY020713.D	26 Dec 2024 12:51		SY/MD	Ok,M
10	VY1226SBL01	VY1226SBL01	VY020714.D	26 Dec 2024 13:56		SY/MD	Ok
11	VY1226SBS01	VY1226SBS01	VY020715.D	26 Dec 2024 14:32		SY/MD	Ok,M
12	VY1226SBSD01	VY1226SBSD01	VY020716.D	26 Dec 2024 14:54		SY/MD	Ok,M
13	P5383-01	OK-02-12232024	VY020717.D	26 Dec 2024 15:18	Not purged,wrong purge	SY/MD	Not Ok
14	P5316-01	TT-304-IDWSO-202412	VY020718.D	26 Dec 2024 15:41	vial B	SY/MD	Ok
15	P5383-01	OK-02-12232024	VY020719.D	26 Dec 2024 16:04	ISTD Fail.vial B	SY/MD	ReRun
16	P5316-02	TT-304-IDWSO-202412	VY020720.D	26 Dec 2024 16:28	vial B	SY/MD	Ok
17	P5383-01	OK-02-12232024	VY020721.D	26 Dec 2024 16:51	vial A	SY/MD	Ok
18	P5316-03	TT-304-IDWSO-202412	VY020722.D	26 Dec 2024 17:15	vial B	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122624

Review By	Mahesh Dadoda	Review On	12/27/2024 9:56:45 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/27/2024 10:00:03 AM		
SubDirectory	VY122624	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122624S.M

STD. NAME	STD REF.#
Tune/Reschk	VP132321
Initial Calibration Stds	VP132326,VP132327,VP132328,VP132329,VP132330,VP132331
CCC	VP132333,VP132334
Internal Standard/PEM	
ICV/I.BLK	VP132332
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5342-01RE	CHRT26634RE	VY020723.D	26 Dec 2024 17:38	Internal Standard Fail ;Surrogate fail,vial B	SY/MD	Confirms
20	P5342-03RE	HT2651RE	VY020724.D	26 Dec 2024 18:01	Internal Standard Fail,surrogate fail,vial B	SY/MD	Confirms
21	P5342-05RE	RB21198RE	VY020725.D	26 Dec 2024 18:25	Internal Standard Fail,vial B	SY/MD	Confirms
22	P5318-01	AU-06-122024	VY020726.D	26 Dec 2024 18:48	Internal Standard Fail,vial A	SY/MD	ReRun
23	P5382-01	COMP-1	VY020727.D	26 Dec 2024 19:12	vial A	SY/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VY020728.D	26 Dec 2024 19:34		SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122724

Review By	Mahesh Dadoda	Review On	12/30/2024 12:44:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/30/2024 12:46:36 PM		
SubDirectory	VY122724	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122624S.M

STD. NAME	STD REF.#
Tune/Reschk	VP132344
Initial Calibration Stds	
CCC	VP132345,VP132346
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020729.D	27 Dec 2024 09:05		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020730.D	27 Dec 2024 10:20		SY/MD	Ok,M
3	VY1227SBL01	VY1227SBL01	VY020731.D	27 Dec 2024 11:24		SY/MD	Ok
4	VY1227SBS01	VY1227SBS01	VY020732.D	27 Dec 2024 12:03		SY/MD	Ok,M
5	VY1227SBSD01	VY1227SBSD01	VY020733.D	27 Dec 2024 12:26		SY/MD	Ok,M
6	P5382-02	COMP-2	VY020734.D	27 Dec 2024 12:55	vial A	SY/MD	Ok
7	P5382-03	COMP-3	VY020735.D	27 Dec 2024 13:18	vial A	SY/MD	Ok
8	P5387-01	TR-05-122624	VY020736.D	27 Dec 2024 14:00	NOT PURGE	SY/MD	Not Ok
9	P5318-01	AU-06-122024	VY020737.D	27 Dec 2024 14:24	NOT PURGE	SY/MD	Not Ok
10	P5362-01	WC-SOIL-20241219	VY020738.D	27 Dec 2024 14:47	vial A	SY/MD	Ok
11	P5387-01	TR-05-122624	VY020739.D	27 Dec 2024 15:10	NOT PURGE	SY/MD	Not Ok
12	P5386-01	MOO-24-00398	VY020740.D	27 Dec 2024 15:34	Need MeOH,vial A	SY/MD	Dilution
13	VIBLK	VIBLK	VY020741.D	27 Dec 2024 15:57		SY/MD	Ok
14	VIBLK	VIBLK	VY020742.D	27 Dec 2024 16:21		SY/MD	Ok
15	P5318-01	AU-06-122024	VY020743.D	27 Dec 2024 16:44	Internal standard fail,vial B	SY/MD	Ok
16	VIBLK	VIBLK	VY020744.D	27 Dec 2024 17:07		SY/MD	Ok
17	P5387-01	TR-05-122624	VY020745.D	27 Dec 2024 17:31	vial A	SY/MD	Ok
18	P5390-01	EO-01-12272024	VY020746.D	27 Dec 2024 17:54	Internal Standard Fail,vial A	SY/MD	ReRun

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122724

Review By	Mahesh Dadoda	Review On	12/30/2024 12:44:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/30/2024 12:46:36 PM		
SubDirectory	VY122724	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122624S.M

STD. NAME	STD REF.#
Tune/Reschk	VP132344
Initial Calibration Stds	
CCC	VP132345,VP132346
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5391-01	NB-07-12272024	VY020747.D	27 Dec 2024 18:18	NOT PURGE	SY/MD	Not Ok
20	VIBLK	VIBLK	VY020748.D	27 Dec 2024 18:41		SY/MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VY020749.D	27 Dec 2024 19:04		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/23/2024

OVENTEMP IN Celsius(°C): 106
Time IN: 16:30
In Date: 12/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 12/21/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134046

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
P5318-01	AU-06-122024	15	1.15	8.84	9.99	8.77	86.2	
P5319-01	AUD-1617	16	1.00	1.00	2.00	2.00	100.0	wipe sample
P5361-01	SB-01-20241219-7.0-7.5	1	1.14	8.41	9.55	8.85	91.7	
P5361-02	SB-01-20241219-9.0-9.5	2	1.19	8.48	9.67	8.58	87.1	
P5362-01	WC-SOIL-20241219	3	1.13	8.70	9.83	9.13	92.0	
P5365-01	TAPFTA-SB01I-4.5-121924-00-T1	4	1.13	8.56	9.69	8.84	90.1	
P5369-05	SVOC-GPC-BLANK	5	1.00	1.00	2.00	2.00	100.0	
P5369-06	PEST-GPC-BLANK	6	1.00	1.00	2.00	2.00	100.0	
P5369-07	PEST-GPC-BLANK-SPIKE	7	1.00	1.00	2.00	2.00	100.0	
P5369-08	PCB-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
P5369-09	PCB-GPC-BLANK-SPIKE	9	1.00	1.00	2.00	2.00	100.0	
P5369-10	SVOC-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
P5369-11	PEST-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
P5369-12	PEST-GPC2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
P5369-13	PCB-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
P5369-14	PCB-GPC2-BLANK-SPIKE	14	1.00	1.00	2.00	2.00	100.0	
P5377-01	GAS-TRE-1119	17	1.00	1.00	2.00	2.00	100.0	wipe sample

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

WORKLIST(Hardcopy Internal Chain)

VB34046

WorkList Name : %1-122024 **WorkList ID :** 186509 **Department :** Wet-Chemistry **Date :** 12-20-2024 08:05:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5318-01	AU-06-122024	Solid	Percent Solids	Cool 4 deg C	PSEG05	N31	12/20/2024	Chemtech -SO
P5319-01	AUD-1617	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	12/20/2024	Chemtech -SO
P5361-01	SB-01-20241219-7.0-7.5	Solid	Percent Solids	Cool 4 deg C	PARS02	N12	12/20/2024	Chemtech -SO
P5361-02	SB-01-20241219-9.0-9.5	Solid	Percent Solids	Cool 4 deg C	PARS02	N12	12/20/2024	Chemtech -SO
P5362-01	WC-SOIL-20241219	Solid	Percent Solids	Cool 4 deg C	PARS02	N21	12/19/2024	Chemtech -SO
P5365-01	TAPFTA-SB01I-4.5-121924-00-	Solid	Percent Solids	Cool 4 deg C	WEST04	N21	12/19/2024	Chemtech -SO
P5369-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5377-01	GAS-TRE-1119	Solid	Percent Solids	Cool 4 deg C	PSEG03	N13	12/20/2024	Chemtech -SO

Date/Time 12/20/24 16:15

Raw Sample Received by: TB WOC

Raw Sample Relinquished by: CB SM

Date/Time 12/20/24 17:30

Raw Sample Received by: CB SM

Raw Sample Relinquished by: TB WOC

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. P5362
QUOTE NO.
COC Number 2041513

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Parsons
ADDRESS: 301 Plainfield Road
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore
PHONE: (315)418-8767 FAX: —

CLIENT PROJECT INFORMATION

PROJECT NAME: Con Ed East River SI
PROJECT NO.: 453648 LOCATION: Manhattan NY
PROJECT MANAGER: S. Liberatore
e-mail: Stephen.Liberatore@parsons.com
PHONE: (315)418-8767 FAX: —

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#: 453648
ADDRESS: 301 Plainfield Road
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: S. Liberatore PHONE: (315)418-8767

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 VOCs, SVOCs
2 TAL metals
3 PCBs, TPH
4 TCLP VOCs, TCLP SVOCs
5 TCLP metals
6 TCLP pest, TCLP herb
7 Ignitability, reactivity
8 Corrosivity, pH
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								E 1	E 2	E 3	E 4	E 5	E 6	E 7	E 8	9	← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	WC-Soil-20241219	Soil	X		12/19/24	1430	14	X	X	X	X	X	X	X	X		
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. K Valenta	12-19-24/1630	1. 1630 12-19-24
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 5.1 °C
Comments:

Page ____ of ____

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

Shipment Complete ❑ YES ❑ NO

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

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5362 PARS02
Client Name : PARSONS Main of New Yc
Client Contact : Stephen Liberatore
Invoice Name : PARSONS Main of New Yc
Invoice Contact : Stephen Liberatore

Order Date : 12/20/2024 10:07:00 AM
Project Name : Con Edison Non-MGP - Ea:
Receive DateTime : 12/19/2024 4:30:00 PM
Purchase Order :

Project Mgr :
Report Type : Results Only
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5362-01	WC-SOIL-20241219	Solid	12/19/2024	14:30					
					VOC-TCLVOA-10		8260D		5 Bus. Days

Relinguished By :
Date / Time : 12-20-24 11:00

Received By :
Date / Time : 12/20/24 11:00

Storage Area : **VOA Refridgerator Room**

DgH 6
FZ2