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

Cover Page

Order ID : P4595

Project ID : Pitkin Yard

Client : Tully Construction Co., Inc.

Lab Sample Number	Client Sample Number
P4595-01	PITKIN-COMP
P4595-02	PITKIN-COMP
P4595-03	PITKIN-THP2
P4595-04	PITKIN-TPH3
P4595-05	PITKIN-GRAB

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

Signature : _____

Date: 11/6/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4595**

	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: **PRIYANKA DAVE** **Date:** **11/06/2024**

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

LAB CHRONICLE

OrderID:	P4595	**OrderDate:**	10/28/2024 11:31:00 AM
Client:	Tully Construction Co., Inc.	**Project:**	Pitkin Yard
Contact:	Dean Devoe	**Location:**	K61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4595-05	**PITKIN-GRAB**	**SOIL**			**10/28/24**			**10/28/24**
			VOC-TCLVOA-10	8260D			10/29/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4595

Client: Tully Construction Co., Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**PITKIN-GRAB**							
P4595-05	PITKIN-GRAB	SOIL	Methylene Chloride	0.0057	J	0.0031	0.0092	mg/Kg
			Total Voc :	0.0057				
			Total Concentration:	0.0057				

QC SUMMARY

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

Surrogate Summary

SDG No.: P4595

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4595-05	PITKIN-GRAB	1,2-Dichloroethane-d4	50	52.1	104	50	163
		Dibromofluoromethane	50	49.4	99	54	147
		Toluene-d8	50	51.3	103	58	134
		4-Bromofluorobenzene	50	39.7	79	29	146
VY1029SBL01	VY1029SBL01	1,2-Dichloroethane-d4	50	55.3	111	50	163
		Dibromofluoromethane	50	49.6	99	54	147
		Toluene-d8	50	50.6	101	58	134
		4-Bromofluorobenzene	50	39.5	79	29	146
VY1029SBS01	VY1029SBS01	1,2-Dichloroethane-d4	50	51.8	104	50	163
		Dibromofluoromethane	50	51.2	102	54	147
		Toluene-d8	50	50.3	101	58	134
		4-Bromofluorobenzene	50	50.0	100	29	146
VY1029SBSD01	VY1029SBSD01	1,2-Dichloroethane-d4	50	54.5	109	50	163
		Dibromofluoromethane	50	52.5	105	54	147
		Toluene-d8	50	49.3	99	58	134
		4-Bromofluorobenzene	50	50.1	100	29	146

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4595

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D **Datafile :** VY020051.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1029SBS01	Dichlorodifluoromethane	20	14.9	ug/Kg	75			64	136	
	Chloromethane	20	15.7	ug/Kg	79			70	130	
	Vinyl chloride	20	17.8	ug/Kg	89			72	129	
	Bromomethane	20	18.5	ug/Kg	93			58	141	
	Chloroethane	20	19.7	ug/Kg	99			69	130	
	Trichlorofluoromethane	20	19.3	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/Kg	102			81	123	
	1,1-Dichloroethene	20	17.4	ug/Kg	87			79	121	
	Acetone	100	140	ug/Kg	140		*	60	131	
	Carbon disulfide	20	10.2	ug/Kg	51			45	154	
	Methyl tert-butyl Ether	20	21.2	ug/Kg	106			77	129	
	Methyl Acetate	20	21.6	ug/Kg	108			69	149	
	Methylene Chloride	20	21.8	ug/Kg	109			56	174	
	trans-1,2-Dichloroethene	20	17.6	ug/Kg	88			80	123	
	1,1-Dichloroethane	20	22.3	ug/Kg	112			82	123	
	Cyclohexane	20	16.9	ug/Kg	85			76	122	
	2-Butanone	100	130	ug/Kg	130			69	131	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			76	129	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			82	123	
	Bromochloromethane	20	23.4	ug/Kg	117			80	127	
	Chloroform	20	23.3	ug/Kg	117			82	125	
	1,1,1-Trichloroethane	20	21.7	ug/Kg	109			80	126	
	Methylcyclohexane	20	16.1	ug/Kg	81			77	123	
	Benzene	20	19.9	ug/Kg	100			84	121	
	1,2-Dichloroethane	20	21.0	ug/Kg	105			81	126	
	Trichloroethene	20	18.6	ug/Kg	93			83	122	
	1,2-Dichloropropane	20	22.5	ug/Kg	113			83	122	
	Bromodichloromethane	20	22.5	ug/Kg	113			82	123	
	4-Methyl-2-Pentanone	100	120	ug/Kg	120			70	135	
	Toluene	20	20.4	ug/Kg	102			83	122	
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			81	122	
	1,1,2-Trichloroethane	20	22.8	ug/Kg	114			82	125	
	2-Hexanone	100	130	ug/Kg	130			66	138	
	Dibromochloromethane	20	21.7	ug/Kg	109			79	125	
	1,2-Dibromoethane	20	20.9	ug/Kg	104			80	125	
	Tetrachloroethene	20	17.8	ug/Kg	89			83	125	
	Chlorobenzene	20	20.3	ug/Kg	102			84	122	
	Ethyl Benzene	20	20.6	ug/Kg	103			82	124	
	m/p-Xylenes	40	40.8	ug/Kg	102			83	124	
	o-Xylene	20	20.2	ug/Kg	101			83	123	
	Styrene	20	21.2	ug/Kg	106			82	124	
	Bromoform	20	21.7	ug/Kg	109			75	127	
	Isopropylbenzene	20	21.4	ug/Kg	107			82	124	
	1,1,2,2-Tetrachloroethane	20	23.9	ug/Kg	119			77	127	
	1,3-Dichlorobenzene	20	21.2	ug/Kg	106			83	122	
	1,4-Dichlorobenzene	20	21.4	ug/Kg	107			84	121	
	1,2-Dichlorobenzene	20	21.6	ug/Kg	108			83	124	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4595

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D **Datafile :** VY020051.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1029SBS01	1,2-Dibromo-3-Chloropropane	20	22.3	ug/Kg	112			66	134	
	1,2,4-Trichlorobenzene	20	19.1	ug/Kg	96			78	127	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70	137	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4595

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D **Datafile :** VY020072.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1029SBSD01	Dichlorodifluoromethane	17.7	14.2	ug/Kg	80	6		64	136	20
	Chloromethane	17.7	15.9	ug/Kg	90	13		70	130	20
	Vinyl chloride	17.7	15.8	ug/Kg	89	0		72	129	20
	Bromomethane	17.7	18.4	ug/Kg	104	11		58	141	20
	Chloroethane	17.7	17.9	ug/Kg	101	2		69	130	20
	Trichlorofluoromethane	17.7	17.6	ug/Kg	99	2		69	134	20
	1,1,2-Trichlorotrifluoroethane	17.7	18.4	ug/Kg	104	2		81	123	20
	1,1-Dichloroethene	17.7	15.2	ug/Kg	86	1		79	121	20
	Acetone	88.7	110	ug/Kg	124	12		60	131	20
	Carbon disulfide	17.7	9.00	ug/Kg	51	0		45	154	20
	Methyl tert-butyl Ether	17.7	20.9	ug/Kg	118	11		77	129	20
	Methyl Acetate	17.7	24.0	ug/Kg	136	23	*	69	149	20
	Methylene Chloride	17.7	22.8	ug/Kg	129	17		56	174	20
	trans-1,2-Dichloroethene	17.7	15.9	ug/Kg	90	2		80	123	20
	1,1-Dichloroethane	17.7	20.5	ug/Kg	116	4		82	123	20
	Cyclohexane	17.7	15.3	ug/Kg	86	1		76	122	20
	2-Butanone	88.7	120	ug/Kg	135	4	*	69	131	20
	Carbon Tetrachloride	17.7	17.8	ug/Kg	101	1		76	129	20
	cis-1,2-Dichloroethene	17.7	19.2	ug/Kg	108	5		82	123	20
	Bromochloromethane	17.7	20.6	ug/Kg	116	1		80	127	20
	Chloroform	17.7	21.7	ug/Kg	123	5		82	125	20
	1,1,1-Trichloroethane	17.7	20.1	ug/Kg	114	4		80	126	20
	Methylcyclohexane	17.7	14.2	ug/Kg	80	1		77	123	20
	Benzene	17.7	18.2	ug/Kg	103	3		84	121	20
	1,2-Dichloroethane	17.7	19.5	ug/Kg	110	5		81	126	20
	Trichloroethene	17.7	17.8	ug/Kg	101	8		83	122	20
	1,2-Dichloropropane	17.7	20.4	ug/Kg	115	2		83	122	20
	Bromodichloromethane	17.7	21.7	ug/Kg	123	8		82	123	20
	4-Methyl-2-Pentanone	88.7	110	ug/Kg	124	3		70	135	20
	Toluene	17.7	18.4	ug/Kg	104	2		83	122	20
	t-1,3-Dichloropropene	17.7	18.6	ug/Kg	105	3		78	124	20
	cis-1,3-Dichloropropene	17.7	19.0	ug/Kg	107	4		81	122	20
	1,1,2-Trichloroethane	17.7	21.9	ug/Kg	124	8		82	125	20
	2-Hexanone	88.7	110	ug/Kg	124	5		66	138	20
	Dibromochloromethane	17.7	20.8	ug/Kg	118	8		79	125	20
	1,2-Dibromoethane	17.7	20.5	ug/Kg	116	11		80	125	20
	Tetrachloroethene	17.7	19.5	ug/Kg	110	21	*	83	125	20
	Chlorobenzene	17.7	18.8	ug/Kg	106	4		84	122	20
	Ethyl Benzene	17.7	18.3	ug/Kg	103	0		82	124	20
	m/p-Xylenes	35.5	36.2	ug/Kg	102	0		83	124	20
	o-Xylene	17.7	18.9	ug/Kg	107	6		83	123	20
	Styrene	17.7	19.2	ug/Kg	108	2		82	124	20
	Bromoform	17.7	20.7	ug/Kg	117	7		75	127	20
	Isopropylbenzene	17.7	18.3	ug/Kg	103	4		82	124	20
	1,1,2,2-Tetrachloroethane	17.7	22.1	ug/Kg	125	5		77	127	20
	1,3-Dichlorobenzene	17.7	18.8	ug/Kg	106	0		83	122	20
	1,4-Dichlorobenzene	17.7	19.5	ug/Kg	110	3		84	121	20
	1,2-Dichlorobenzene	17.7	19.4	ug/Kg	110	2		83	124	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4595

Client: Tully Construction Co., Inc.

Analytical Method: SW8260D **Datafile :** VY020072.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1029SBSD01	1,2-Dibromo-3-Chloropropane	17.7	22.7	ug/Kg	128	13		66	134	20
	1,2,4-Trichlorobenzene	17.7	18.3	ug/Kg	103	7		78	127	20
	1,2,3-Trichlorobenzene	17.7	19.1	ug/Kg	108	13		70	137	20

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1029SBL01

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P4595 SAS No.: P4595 SDG NO.: P4595

Lab File ID: VY020050.D Lab Sample ID: VY1029SBL01

Date Analyzed: 10/29/2024 Time Analyzed: 10:01

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
VY1029SBS01	VY1029SBS01	VY020051.D	10/29/2024
PITKIN-GRAB	P4595-05	VY020065.D	10/29/2024
VY1029SBSD01	VY1029SBSD01	VY020072.D	10/29/2024

COMMENTS:

Raw Data: **VY019826.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P4595 SAS No.: P4595 SDG NO.: P4595

Lab File ID: VY019826.D BFB Injection Date: 10/09/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:33

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	22.4
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	76.9
175	5.0 - 9.0% of mass 174	5.6 (7.3) 1
176	95.0 - 101.0% of mass 174	73.9 (96.2) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY019827.D	10/09/2024	10:18
VSTDICC010	VSTDICC010	VY019828.D	10/09/2024	10:41
VSTDICC020	VSTDICC020	VY019829.D	10/09/2024	11:04
VSTDICCC050	VSTDICCC050	VY019830.D	10/09/2024	11:26
VSTDICC100	VSTDICC100	VY019831.D	10/09/2024	11:49
VSTDICC150	VSTDICC150	VY019832.D	10/09/2024	12:11

Raw Data: **VY020048.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P4595 SAS No.: P4595 SDG NO.: P4595

Lab File ID: VY020048.D BFB Injection Date: 10/29/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:58

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.9
75	30.0 - 60.0% of mass 95	59.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	71.8
175	5.0 - 9.0% of mass 174	5.8 (8) 1
176	95.0 - 101.0% of mass 174	68.4 (95.3) 1
177	5.0 - 9.0% of mass 176	4.8 (7.1) 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	VY020049.D	10/29/2024	09:31
VY1029SBL01	VY1029SBL01	VY020050.D	10/29/2024	10:01
VY1029SBS01	VY1029SBS01	VY020051.D	10/29/2024	11:04
PITKIN-GRAB	P4595-05	VY020065.D	10/29/2024	16:46
VY1029SBSD01	VY1029SBSD01	VY020072.D	10/29/2024	19:28

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P4595 SAS No.: P4595 SDG NO.: P4595

Lab File ID: VY020049.D Date Analyzed: 10/29/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:31

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	196359	7.72	345491	8.62	298572	11.42
UPPER LIMIT	392718	8.219	690982	9.122	597144	11.92
LOWER LIMIT	98179.5	7.219	172746	8.122	149286	10.92
EPA SAMPLE NO.						
PITKIN-GRAB	173611	7.71	361686	8.62	321061	11.41
VY1029SBL01	196117	7.71	412090	8.62	365725	11.42
VY1029SBS01	186283	7.72	334192	8.62	285725	11.42
VY1029SBSD01	154974	7.71	284535	8.62	247291	11.41

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P4595 SAS No.: P4595 SDG NO.: P4595

Lab File ID: VY020049.D Date Analyzed: 10/29/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:31

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

	IS4 AREA #	RT #				
12 HOUR STD	148124	13.352				
UPPER LIMIT	296248	13.852				
LOWER LIMIT	74062	12.852				
EPA SAMPLE NO.						
PITKIN-GRAB	107370	13.35				
VY1029SBL01	118867	13.35				
VY1029SBS01	134900	13.35				
VY1029SBSD01	121579	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: **VY020065.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-GRAB	SDG No.:	P4595
Lab Sample ID:	P4595-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.7
Sample Wt/Vol:	5.69 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
VY020065.D	1		10/29/24 16:46	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0015	U	0.0015	0.0046	mg/Kg
74-87-3	Chloromethane	0.0011	U	0.0011	0.0046	mg/Kg
75-01-4	Vinyl Chloride	0.00071	U	0.00071	0.0046	mg/Kg
74-83-9	Bromomethane	0.00095	U	0.00095	0.0046	mg/Kg
75-00-3	Chloroethane	0.00093	U	0.00093	0.0046	mg/Kg
75-69-4	Trichlorofluoromethane	0.00084	U	0.00084	0.0046	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00098	U	0.00098	0.0046	mg/Kg
75-35-4	1,1-Dichloroethene	0.00072	U	0.00072	0.0046	mg/Kg
67-64-1	Acetone	0.0057	UQ	0.0057	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0012	U	0.0012	0.0046	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00062	U	0.00062	0.0046	mg/Kg
79-20-9	Methyl Acetate	0.0017	U	0.0017	0.0046	mg/Kg
75-09-2	Methylene Chloride	0.0057	J	0.0031	0.0092	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00077	U	0.00077	0.0046	mg/Kg
75-34-3	1,1-Dichloroethane	0.00058	U	0.00058	0.0046	mg/Kg
110-82-7	Cyclohexane	0.00063	U	0.00063	0.0046	mg/Kg
78-93-3	2-Butanone	0.0052	UQ	0.0052	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.00080	U	0.00080	0.0046	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00056	U	0.00056	0.0046	mg/Kg
74-97-5	Bromochloromethane	0.0022	U	0.0022	0.0046	mg/Kg
67-66-3	Chloroform	0.00062	U	0.00062	0.0046	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00072	U	0.00072	0.0046	mg/Kg
108-87-2	Methylcyclohexane	0.00080	U	0.00080	0.0046	mg/Kg
71-43-2	Benzene	0.00066	U	0.00066	0.0046	mg/Kg
107-06-2	1,2-Dichloroethane	0.00056	U	0.00056	0.0046	mg/Kg
79-01-6	Trichloroethene	0.00069	U	0.00069	0.0046	mg/Kg
78-87-5	1,2-Dichloropropane	0.00061	U	0.00061	0.0046	mg/Kg
75-27-4	Bromodichloromethane	0.00051	U	0.00051	0.0046	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0040	U	0.0040	0.023	mg/Kg
108-88-3	Toluene	0.00062	U	0.00062	0.0046	mg/Kg

Raw Data: **VY020065.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-GRAB	SDG No.:	P4595
Lab Sample ID:	P4595-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.7
Sample Wt/Vol:	5.69 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
VY020065.D	1		10/29/24 16:46	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.00055	U	0.00055	0.0046	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00052	U	0.00052	0.0046	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00077	U	0.00077	0.0046	mg/Kg
591-78-6	2-Hexanone	0.0044	U	0.0044	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.00060	U	0.00060	0.0046	mg/Kg
106-93-4	1,2-Dibromoethane	0.00073	U	0.00073	0.0046	mg/Kg
127-18-4	Tetrachloroethene	0.00082	U	0.00082	0.0046	mg/Kg
108-90-7	Chlorobenzene	0.00068	U	0.00068	0.0046	mg/Kg
100-41-4	Ethyl Benzene	0.00057	U	0.00057	0.0046	mg/Kg
179601-23-1	m/p-Xylenes	0.0012	U	0.0012	0.0092	mg/Kg
95-47-6	o-Xylene	0.00064	U	0.00064	0.0046	mg/Kg
100-42-5	Styrene	0.00055	U	0.00055	0.0046	mg/Kg
75-25-2	Bromoform	0.00074	U	0.00074	0.0046	mg/Kg
98-82-8	Isopropylbenzene	0.00062	U	0.00062	0.0046	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.0046	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00068	U	0.00068	0.0046	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00073	U	0.00073	0.0046	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00054	U	0.00054	0.0046	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.0046	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00073	U	0.00073	0.0046	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.00072	U	0.00072	0.0046	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		50 - 163	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		54 - 147	99%	SPK: 50
2037-26-5	Toluene-d8	51.3		58 - 134	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.7		29 - 146	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	7.713			
540-36-3	1,4-Difluorobenzene	362000	8.616			
3114-55-4	Chlorobenzene-d5	321000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	107000	13.346			

Raw Data: **VY020065.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-GRAB	SDG No.:	P4595
Lab Sample ID:	P4595-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.7
Sample Wt/Vol:	5.69 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
VY020065.D	1		10/29/24 16:46	VY102924

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\VY102924\
Data File : VY020065.D
Acq On : 29 Oct 2024 16:46
Operator : SY/MD
Sample : P4595-05
Misc : 5.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PITKIN-GRAB

Quant Time: Oct 30 01:27:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

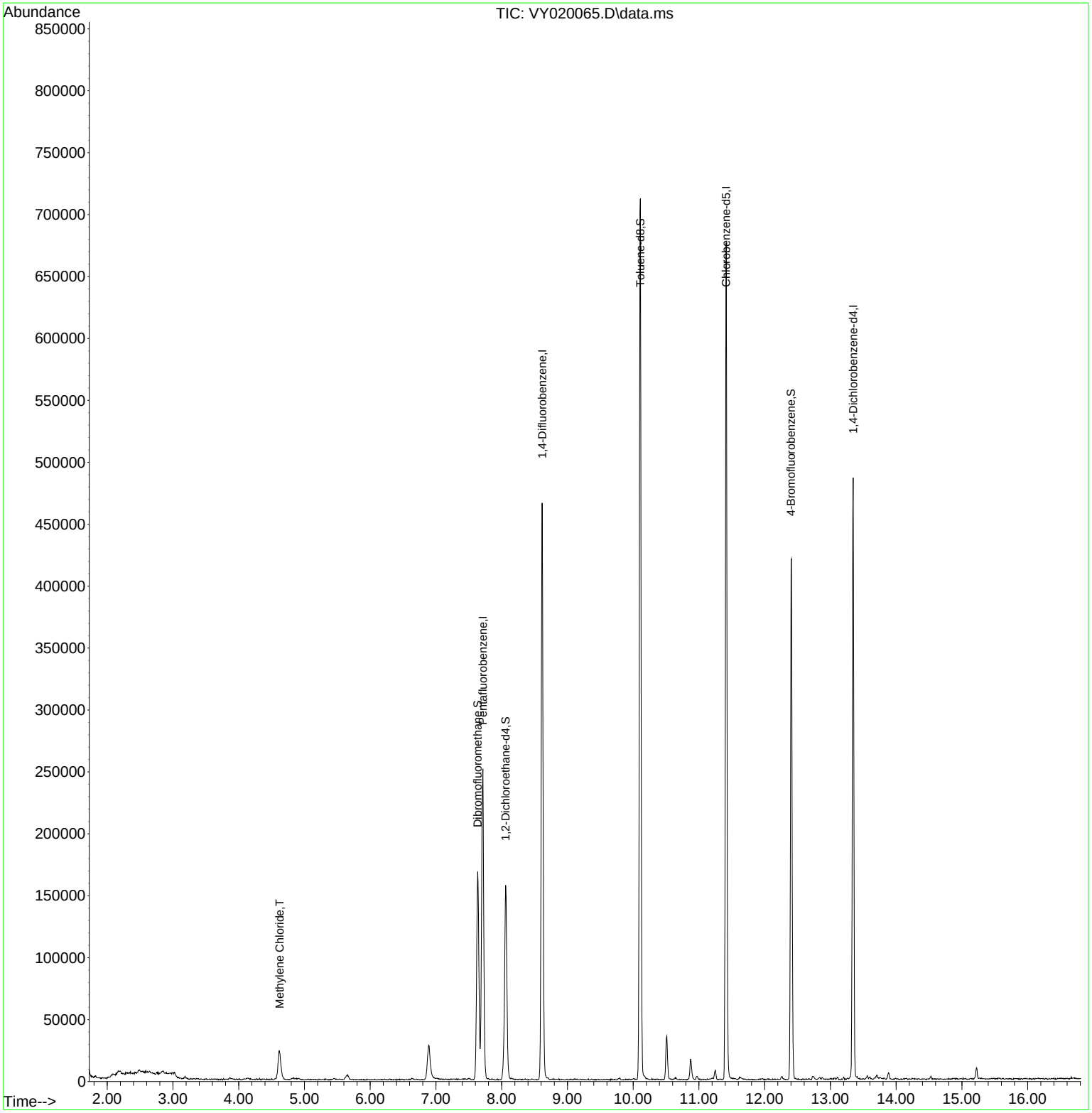
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	173611	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	361686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	321061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	107370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	111384	52.105	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.220%			
35) Dibromofluoromethane	7.634	113	117989	49.435	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.880%			
50) Toluene-d8	10.109	98	451824	51.263	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.520%			
62) 4-Bromofluorobenzene	12.401	95	126304	39.659	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 79.320%			
Target Compounds						Qvalue
20) Methylene Chloride	4.622	84	14244	6.222	ug/l #	76

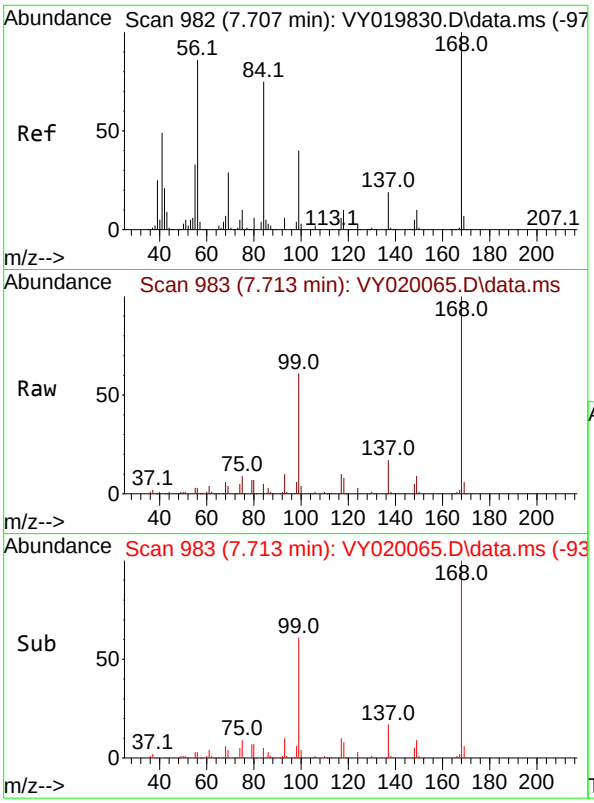
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020065.D
Acq On : 29 Oct 2024 16:46
Operator : SY/MD
Sample : P4595-05
Misc : 5.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PITKIN-GRAB

Quant Time: Oct 30 01:27:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



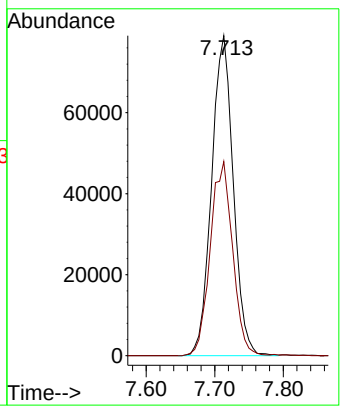


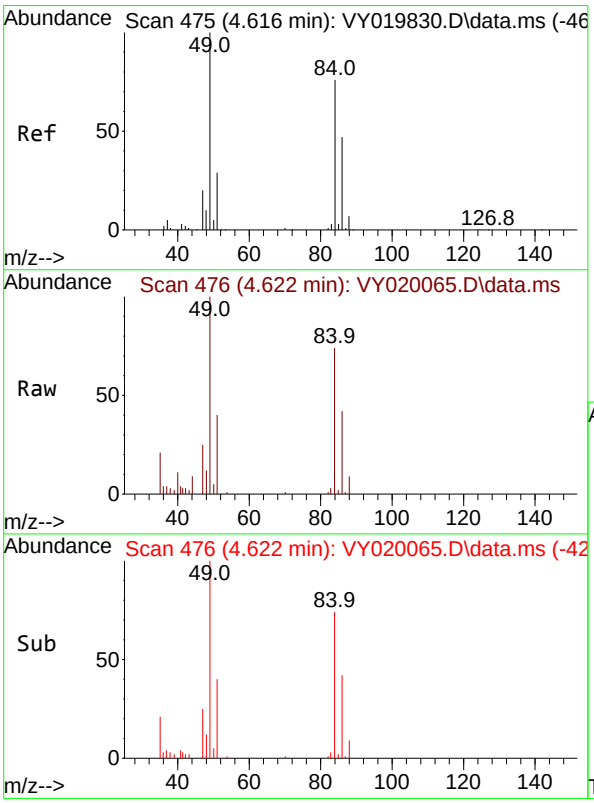
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020065.D
Acq: 29 Oct 2024 16:46

Instrument :
MSVOA_Y
ClientSampleId :
PITKIN-GRAB

Tgt Ion:168 Resp: 173611

Ion	Ratio	Lower	Upper
168	100		
99	60.6	39.1	58.7#

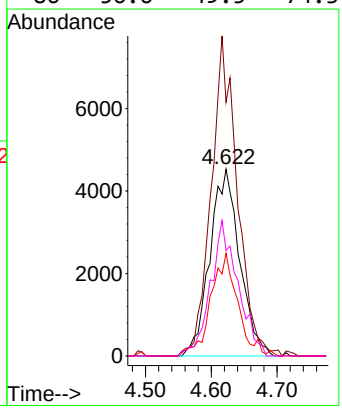


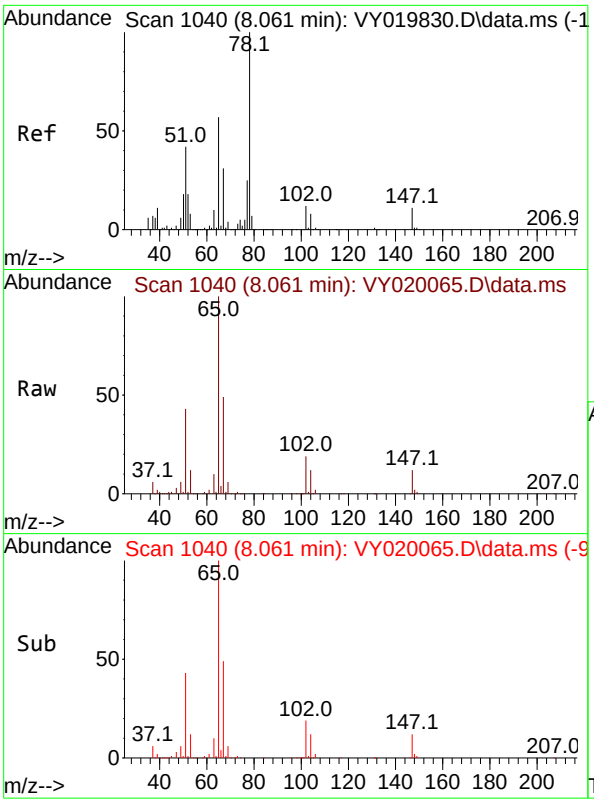


#20
Methylene Chloride
Concen: 6.222 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020065.D
Acq: 29 Oct 2024 16:46

Tgt Ion: 84 Resp: 14244

Ion	Ratio	Lower	Upper
84	100		
49	135.9	84.4	126.6#
51	54.9	26.0	39.0#
86	56.6	49.5	74.3



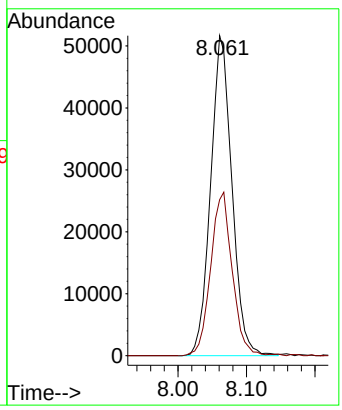


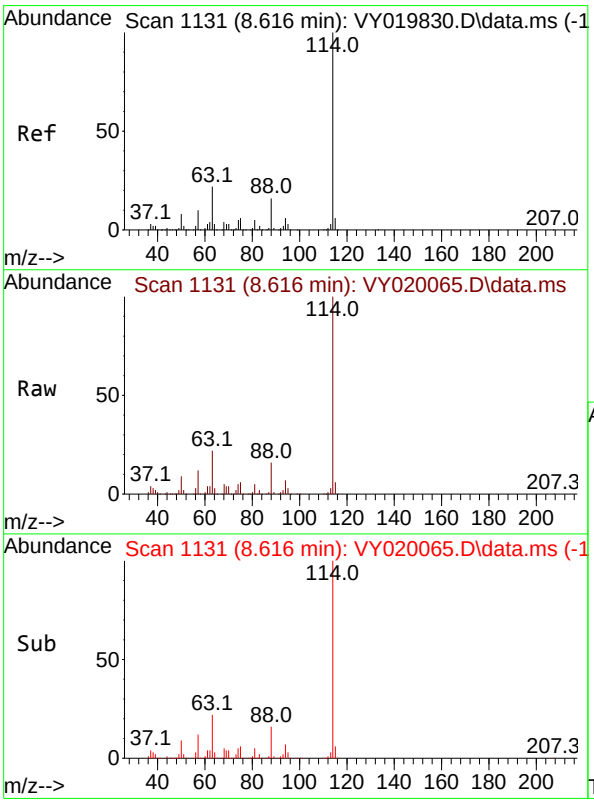
#33
1,2-Dichloroethane-d4
Concen: 52.105 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020065.D
Acq: 29 Oct 2024 16:46

Instrument :
MSVOA_Y
ClientSampleId :
PITKIN-GRAB

Tgt Ion: 65 Resp: 111384

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	109.6

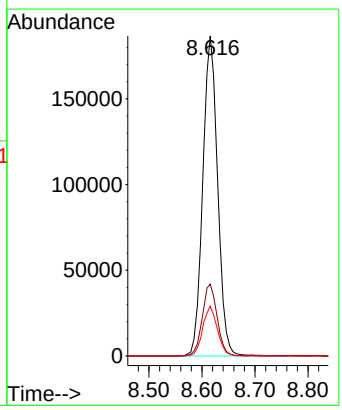


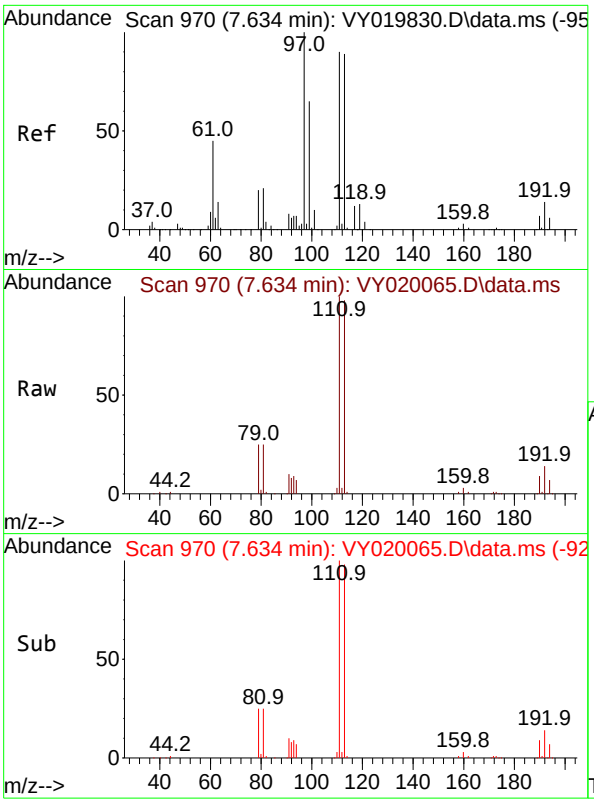


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020065.D
Acq: 29 Oct 2024 16:46

Tgt Ion:114 Resp: 361686

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	35.0
88	15.5	0.0	27.2



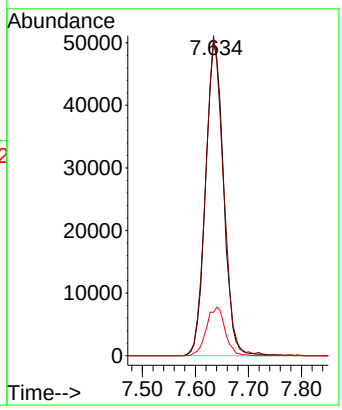


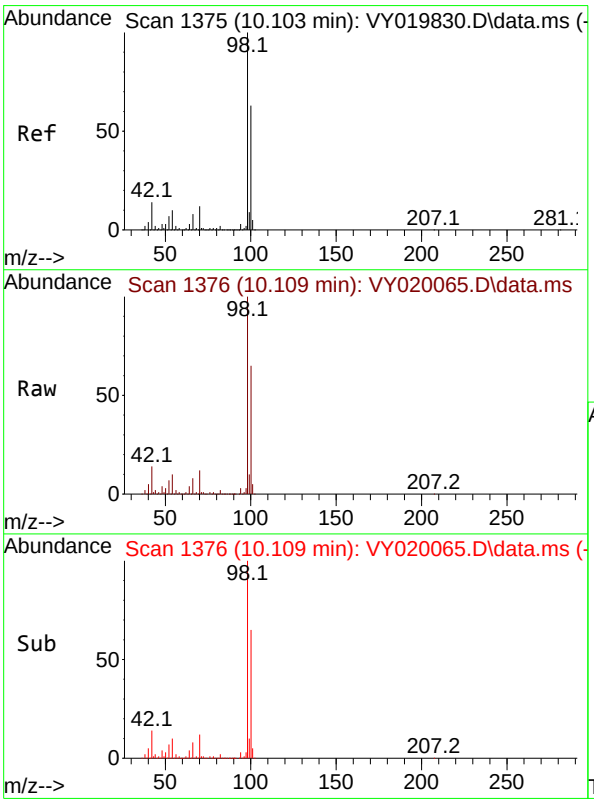
#35
Dibromofluoromethane
Concen: 49.435 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020065.D
Acq: 29 Oct 2024 16:46

Instrument :
MSVOA_Y
ClientSampleId :
PITKIN-GRAB

Tgt Ion:113 Resp: 117989

Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.2	123.4
192	16.1	15.9	23.9

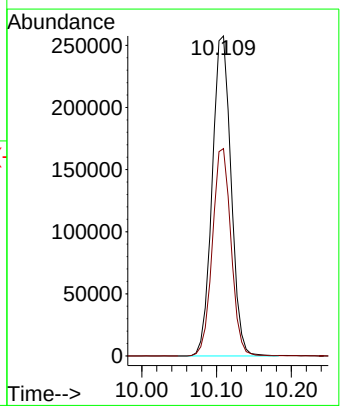


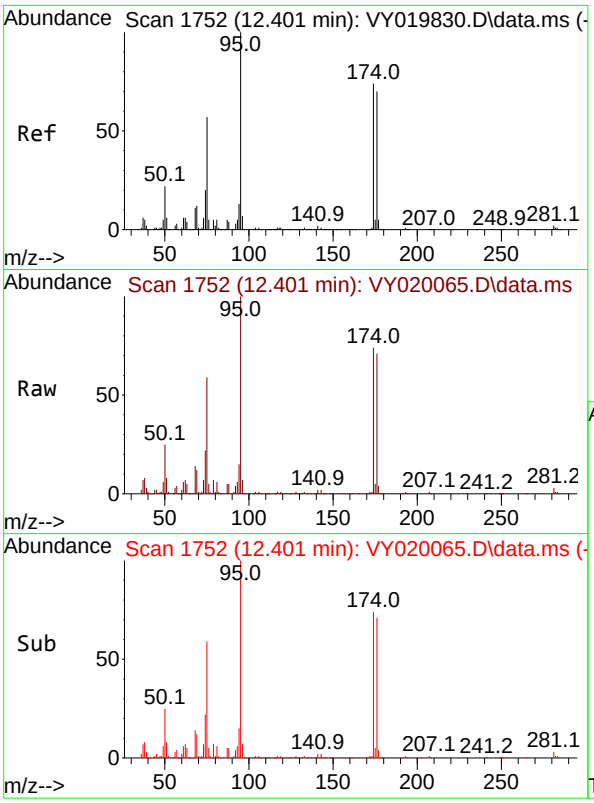


#50
Toluene-d8
Concen: 51.263 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020065.D
Acq: 29 Oct 2024 16:46

Tgt Ion: 98 Resp: 451824

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0



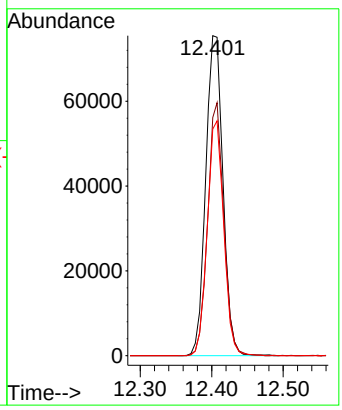


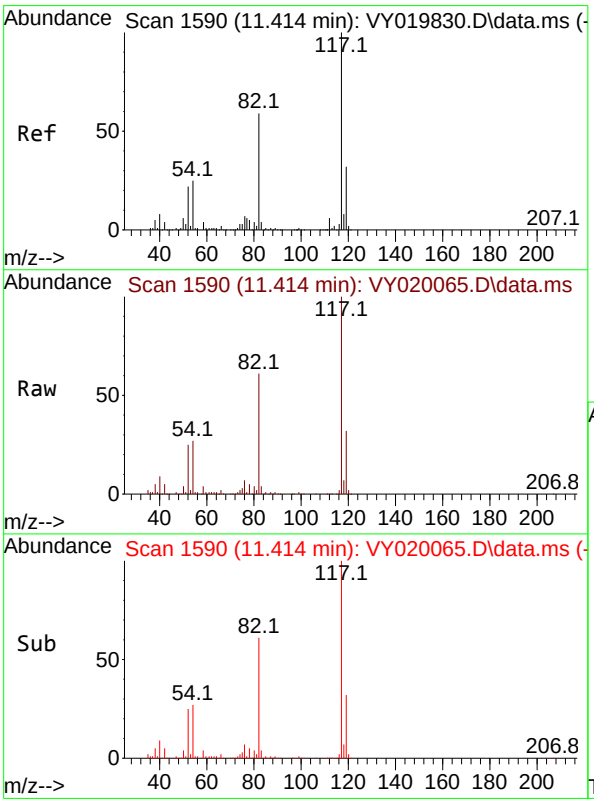
#62
4-Bromofluorobenzene
Concen: 39.659 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020065.D
Acq: 29 Oct 2024 16:46

Instrument :
MSVOA_Y
ClientSampleId :
PITKIN-GRAB

Tgt Ion: 95 Resp: 126304

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	175.6
176	70.2	0.0	171.4

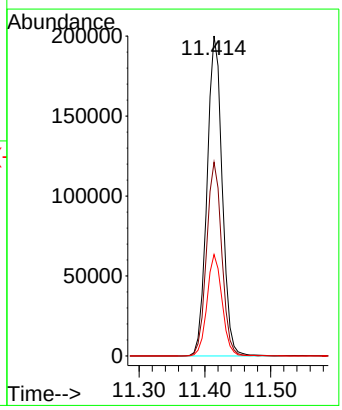


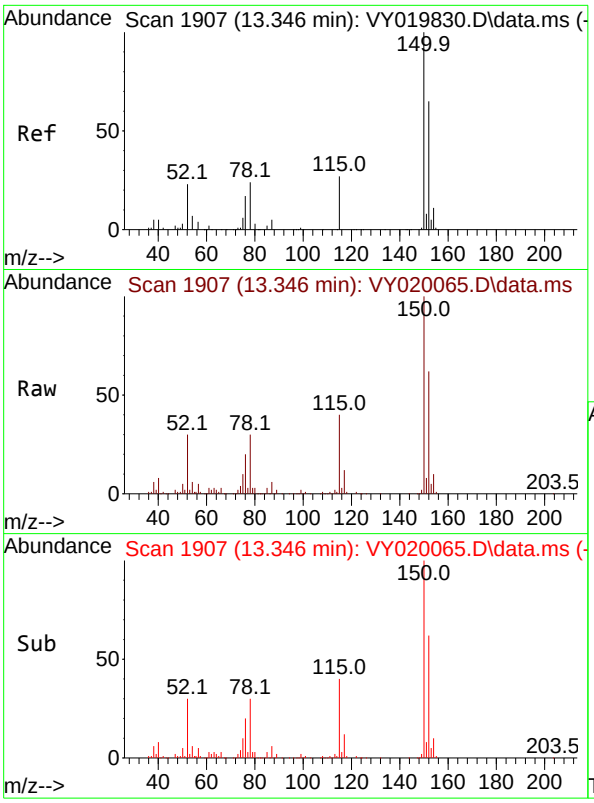


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020065.D
Acq: 29 Oct 2024 16:46

Tgt Ion:117 Resp: 321061

Ion	Ratio	Lower	Upper
117	100		
82	60.5	42.4	63.6
119	31.7	25.9	38.9



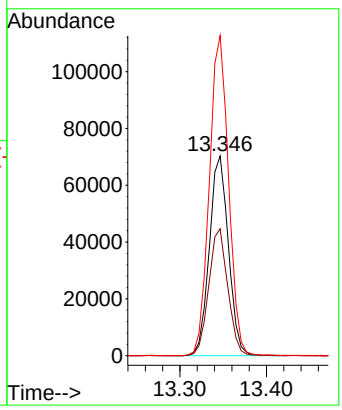


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020065.D
Acq: 29 Oct 2024 16:46

Instrument :
MSVOA_Y
ClientSampleId :
PITKIN-GRAB

Tgt Ion:152 Resp: 107370

Ion	Ratio	Lower	Upper
152	100		
115	63.5	28.2	84.7
150	161.7	0.0	345.6



Sample Results: **VY020065.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020065.D
Acq On : 29 Oct 2024 16:46
Operator : SY/MD
Sample : P4595-05
Misc : 5.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PITKIN-GRAB

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\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY020065.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	466	475	487	rVB2	22954	68926	5.50%	1.084%
2	6.890	837	848	864	rBV2	27824	90473	7.22%	1.422%
3	7.634	960	970	976	rBV2	168072	396592	31.64%	6.235%
4	7.713	976	983	996	rVB2	250529	572807	45.70%	9.006%
5	8.061	1028	1040	1052	rBV2	156980	379596	30.28%	5.968%
6	8.616	1122	1131	1142	rBV	465416	901474	71.92%	14.173%
7	10.109	1368	1376	1390	rBV	711163	1253442	100.00%	19.707%
8	10.512	1435	1442	1450	rBV	35022	65349	5.21%	1.027%
9	10.871	1496	1501	1511	rVB2	16273	30920	2.47%	0.486%
10	11.249	1558	1563	1568	rVB2	7635	13033	1.04%	0.205%
11	11.414	1583	1590	1602	rBV	675319	1084476	86.52%	17.050%
12	12.408	1743	1753	1762	rBV2	420433	725370	57.87%	11.404%
13	13.346	1896	1907	1916	rBV	485529	761334	60.74%	11.970%
14	15.224	2208	2215	2220	rBV3	9300	16608	1.32%	0.261%

Sum of corrected areas: 6360400

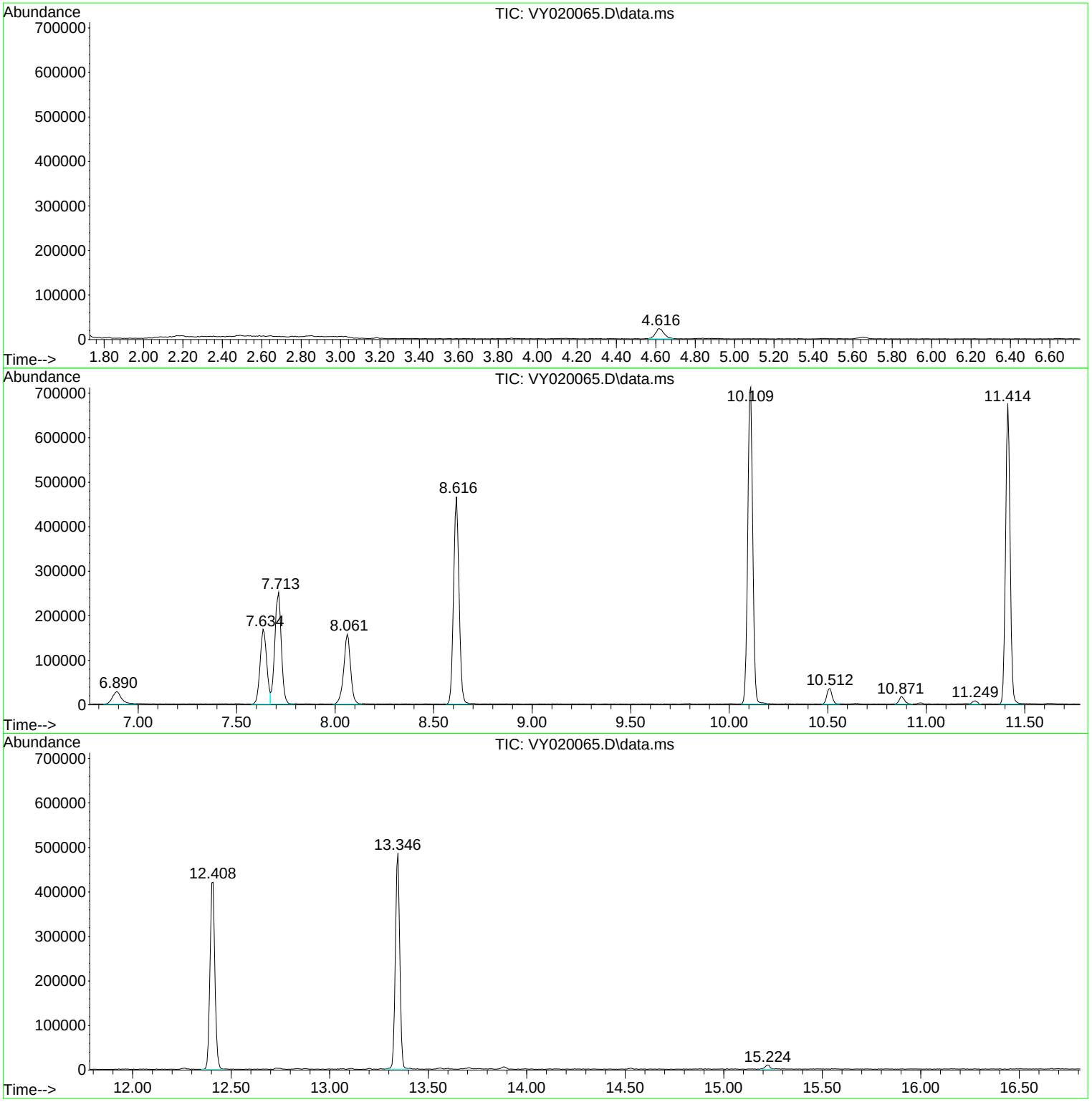
Sample Results: **VY020065.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020065.D
Acq On : 29 Oct 2024 16:46
Operator : SY/MD
Sample : P4595-05
Misc : 5.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PITKIN-GRAB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020065.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020065.D
Acq On : 29 Oct 2024 16:46
Operator : SY/MD
Sample : P4595-05
Misc : 5.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PITKIN-GRAB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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\VY102924\
Data File : VY020065.D
Acq On : 29 Oct 2024 16:46
Operator : SY/MD
Sample : P4595-05
Misc : 5.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PITKIN-GRAB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P4595 SAS No.: P4595 SDG No.: P4595

Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11

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

LAB FILE ID: RRF005 = VY019827.D RRF010 = VY019828.D RRF020 = VY019829.D
RRF050 = VY019830.D RRF100 = VY019831.D RRF150 = VY019832.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.500	0.498	0.410	0.458	0.434	0.492	0.465	8.1
Chloromethane	0.643	0.637	0.517	0.616	0.550	0.671	0.606	9.8
Vinyl Chloride	0.707	0.685	0.579	0.688	0.624	0.716	0.667	8
Bromomethane	0.458	0.447	0.357	0.433	0.390	0.447	0.422	9.4
Chloroethane	0.493	0.469	0.390	0.456	0.408	0.472	0.448	8.9
Trichlorofluoromethane	1.101	1.016	0.868	1.000	0.915	1.051	0.992	8.7
1,1,2-Trichlorotrifluoroethane	0.619	0.611	0.509	0.581	0.535	0.606	0.577	7.8
1,1-Dichloroethene	0.588	0.558	0.453	0.550	0.499	0.570	0.536	9.4
Acetone	0.196	0.156	0.134	0.170	0.152	0.153	0.160	12.9
Carbon Disulfide	1.501	1.392	1.193	1.552	1.404	1.586	1.438	10
Methyl tert-butyl Ether	1.719	1.559	1.334	1.574	1.443	1.617	1.541	8.8
Methyl Acetate	0.393	0.334	0.301	0.350	0.321	0.372	0.345	9.7
Methylene Chloride	0.869	0.695	0.551	0.619	0.543	0.603	0.647	18.9
trans-1,2-Dichloroethene	0.630	0.597	0.511	0.605	0.547	0.612	0.584	7.7
1,1-Dichloroethane	1.288	1.219	1.025	1.202	1.084	1.214	1.172	8.3
Cyclohexane	1.262	1.098	0.863	1.009	0.915	1.024	1.029	13.8
2-Butanone	0.251	0.217	0.186	0.222	0.201	0.211	0.215	10.2
Carbon Tetrachloride	0.525	0.505	0.446	0.527	0.495	0.559	0.510	7.5
cis-1,2-Dichloroethene	0.777	0.766	0.628	0.740	0.669	0.749	0.721	8.2
Bromochloromethane	0.607	0.470	0.502	0.529	0.483	0.504	0.516	9.5
Chloroform	1.318	1.238	1.055	1.225	1.102	1.229	1.195	8.1
1,1,1-Trichloroethane	1.118	1.091	0.915	1.067	0.978	1.112	1.047	7.9
Methylcyclohexane	0.629	0.584	0.512	0.629	0.581	0.658	0.599	8.6
Benzene	1.512	1.474	1.283	1.488	1.361	1.514	1.439	6.6
1,2-Dichloroethane	0.448	0.399	0.368	0.430	0.398	0.436	0.413	7.3
Trichloroethene	0.381	0.340	0.300	0.366	0.333	0.370	0.348	8.7
1,2-Dichloropropane	0.390	0.375	0.322	0.366	0.337	0.371	0.360	7.1
Bromodichloromethane	0.549	0.524	0.456	0.543	0.501	0.560	0.522	7.4
4-Methyl-2-Pentanone	0.281	0.247	0.220	0.269	0.254	0.275	0.258	8.7
Toluene	0.930	0.892	0.800	0.940	0.866	0.960	0.898	6.5

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P4595 SAS No.: P4595 SDG No.: P4595

Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11

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

LAB FILE ID: RRF005 = VY019827.D RRF010 = VY019828.D RRF020 = VY019829.D
RRF050 = VY019830.D RRF100 = VY019831.D RRF150 = VY019832.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.477	0.448	0.408	0.497	0.464	0.524	0.470	8.6
cis-1,3-Dichloropropene	0.577	0.537	0.489	0.579	0.542	0.603	0.554	7.3
1,1,2-Trichloroethane	0.280	0.257	0.230	0.269	0.248	0.271	0.259	6.9
2-Hexanone	0.193	0.173	0.160	0.197	0.185	0.197	0.184	8.1
Dibromochloromethane	0.348	0.317	0.294	0.344	0.328	0.364	0.333	7.5
1,2-Dibromoethane	0.244	0.234	0.207	0.246	0.226	0.248	0.234	6.7
Tetrachloroethene	0.379	0.366	0.316	0.368	0.328	0.377	0.356	7.6
Chlorobenzene	1.226	1.167	1.032	1.171	1.064	1.202	1.144	6.8
Ethyl Benzene	2.177	2.100	1.861	2.164	1.953	2.209	2.077	6.7
m/p-Xylenes	0.802	0.781	0.691	0.796	0.720	0.813	0.767	6.5
o-Xylene	0.750	0.756	0.665	0.769	0.700	0.783	0.737	6.1
Styrene	1.276	1.238	1.120	1.304	1.191	1.333	1.244	6.3
Bromoform	0.208	0.198	0.180	0.220	0.204	0.232	0.207	8.7
Isopropylbenzene	4.420	4.371	3.794	4.268	3.912	4.470	4.206	6.7
1,1,2,2-Tetrachloroethane	0.796	0.737	0.664	0.763	0.719	0.805	0.747	7
1,3-Dichlorobenzene	1.968	1.892	1.598	1.819	1.651	1.887	1.802	8.1
1,4-Dichlorobenzene	1.928	1.831	1.572	1.801	1.635	1.856	1.771	7.8
1,2-Dichlorobenzene	1.716	1.620	1.416	1.612	1.474	1.663	1.584	7.3
1,2-Dibromo-3-Chloropropane	0.133	0.115	0.100	0.121	0.118	0.129	0.119	9.7
1,2,4-Trichlorobenzene	0.860	0.832	0.758	0.965	0.886	1.027	0.888	10.8
1,2,3-Trichlorobenzene	0.716	0.698	0.634	0.823	0.761	0.872	0.751	11.5
1,2-Dichloroethane-d4	0.701	0.656	0.566	0.581	0.583	0.607	0.616	8.5
Dibromofluoromethane	0.356	0.335	0.300	0.321	0.326	0.341	0.330	5.8
Toluene-d8	1.299	1.254	1.134	1.185	1.191	1.246	1.218	4.9
4-Bromofluorobenzene	0.498	0.438	0.402	0.426	0.427	0.450	0.440	7.4

* 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 : 82Y100924S.M
Title : SW846 8260
Last Update : Thu Oct 10 05:30:07 2024
Response Via : Initial Calibration

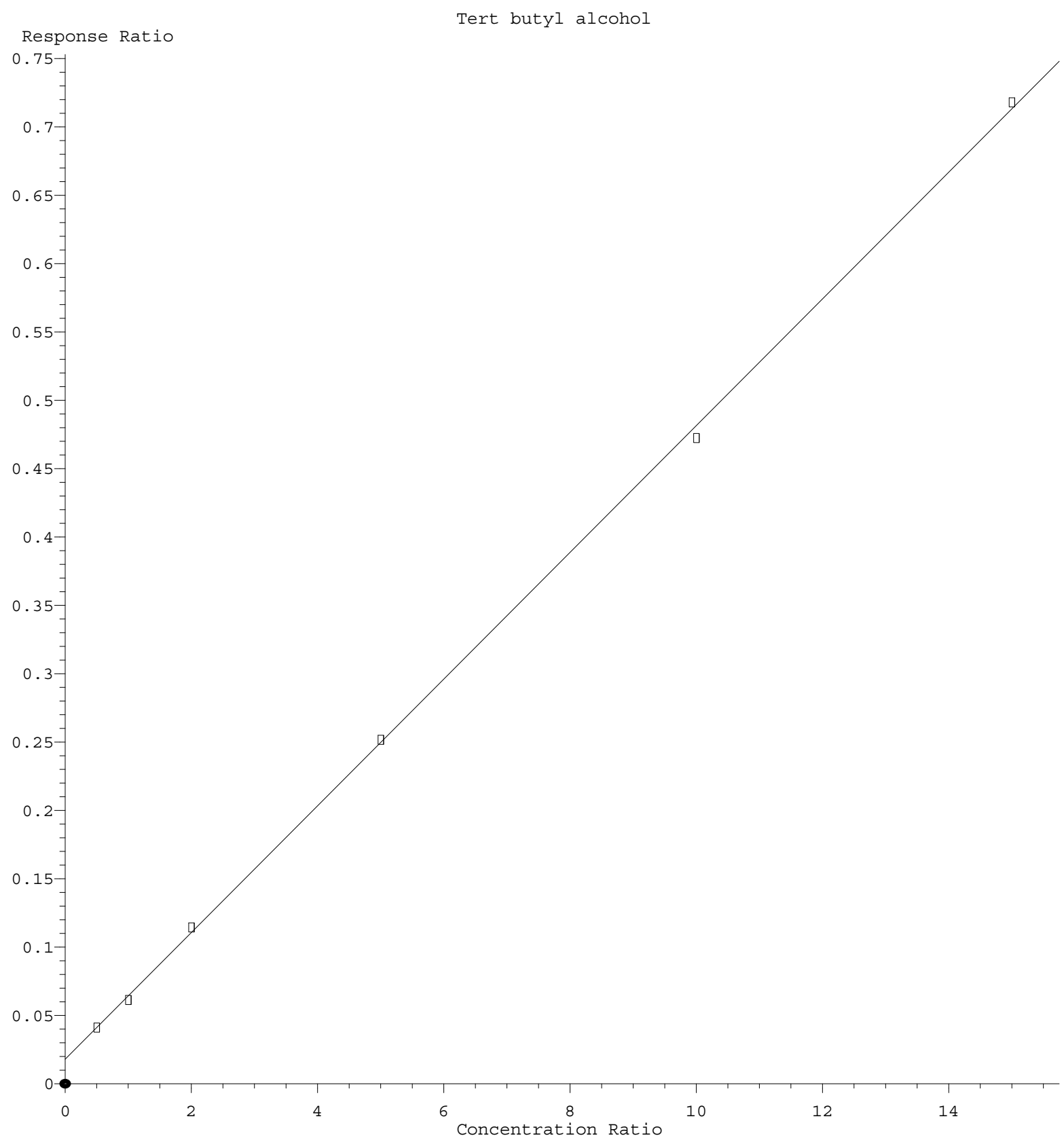
Calibration Files
5 =VY019827.D 10 =VY019828.D 20 =VY019829.D 50 =VY019830.D 100 =VY019831.D 150 =VY019832.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.500	0.498	0.410	0.458	0.434	0.492	0.465	8.07
3)	P	Chloromethane	0.643	0.637	0.517	0.616	0.550	0.671	0.606	9.80
4)	C	Vinyl Chloride	0.707	0.685	0.579	0.688	0.624	0.716	0.667	8.02#
5)	T	Bromomethane	0.458	0.447	0.357	0.433	0.390	0.447	0.422	9.42
6)	T	Chloroethane	0.493	0.469	0.390	0.456	0.408	0.472	0.448	8.94
7)	T	Trichlorofluor...	1.101	1.016	0.868	1.000	0.915	1.051	0.992	8.69
8)	T	Diethyl Ether	0.317	0.304	0.268	0.314	0.284	0.322	0.301	6.96
9)	T	1,1,2-Trichlor...	0.619	0.611	0.509	0.581	0.535	0.606	0.577	7.82
10)	T	Methyl Iodide	0.569	0.584	0.518	0.633	0.569	0.628	0.584	7.29
11)	T	Tert butyl alc...	0.082	0.061	0.057	0.050	0.047	0.048	0.058	22.92
12)	CM	1,1-Dichloroet...	0.588	0.558	0.453	0.550	0.499	0.570	0.536	9.39#
13)	T	Acrolein	0.061	0.049	0.046	0.040	0.036	0.040	0.045	19.69
14)	T	Allyl chloride	1.054	0.975	0.843	1.011	0.902	1.022	0.968	8.28
15)	T	Acrylonitrile	0.154	0.136	0.119	0.143	0.132	0.143	0.138	8.58
16)	T	Acetone	0.196	0.156	0.134	0.170	0.152	0.153	0.160	12.95
17)	T	Carbon Disulfide	1.501	1.392	1.193	1.552	1.404	1.586	1.438	9.95
18)	T	Methyl Acetate	0.393	0.334	0.301	0.350	0.321	0.372	0.345	9.74
19)	T	Methyl tert-bu...	1.719	1.559	1.334	1.574	1.443	1.617	1.541	8.78
20)	T	Methylene Chlo...	0.869	0.695	0.551	0.619	0.543	0.603	0.647	18.87
21)	T	trans-1,2-Dich...	0.630	0.597	0.511	0.605	0.547	0.612	0.584	7.74
22)	T	Diisopropyl ether	2.286	2.223	1.874	2.166	1.942	2.159	2.108	7.75
23)	T	Vinyl Acetate	1.289	1.218	1.042	1.275	1.161	1.266	1.209	7.78
24)	P	1,1-Dichloroet...	1.288	1.219	1.025	1.202	1.084	1.214	1.172	8.33
25)	T	2-Butanone	0.251	0.217	0.186	0.222	0.201	0.211	0.215	10.18
26)	T	2,2-Dichloropr...	1.228	1.071	0.911	1.045	0.945	1.062	1.044	10.70
27)	T	cis-1,2-Dichlo...	0.777	0.766	0.628	0.740	0.669	0.749	0.721	8.23
28)	T	Bromochloromet...	0.607	0.470	0.502	0.529	0.483	0.504	0.516	9.47
29)	T	Tetrahydrofuran	0.140	0.120	0.105	0.128	0.118	0.125	0.122	9.65
30)	C	Chloroform	1.318	1.238	1.055	1.225	1.102	1.229	1.195	8.14#
31)	T	Cyclohexane	1.262	1.098	0.863	1.009	0.915	1.024	1.029	13.76
32)	T	1,1,1-Trichlor...	1.118	1.091	0.915	1.067	0.978	1.112	1.047	7.85
33)	S	1,2-Dichloroet...	0.701	0.656	0.566	0.581	0.583	0.607	0.616	8.48
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.356	0.335	0.300	0.321	0.326	0.341	0.330	5.77
36)	T	1,1-Dichloropr...	0.514	0.464	0.415	0.496	0.455	0.509	0.475	7.98
37)	T	Ethyl Acetate	0.270	0.238	0.217	0.258	0.247	0.258	0.248	7.60
38)	T	Carbon Tetrach...	0.525	0.505	0.446	0.527	0.495	0.559	0.510	7.54
39)	T	Methylcyclohexane	0.629	0.584	0.512	0.629	0.581	0.658	0.599	8.64
40)	TM	Benzene	1.512	1.474	1.283	1.488	1.361	1.514	1.439	6.58
41)	T	Methacrylonitrile	0.126	0.120	0.123	0.156	0.129	0.151	0.134	11.38
42)	TM	1,2-Dichloroet...	0.448	0.399	0.368	0.430	0.398	0.436	0.413	7.28
43)	T	Isopropyl Acetate	0.547	0.491	0.436	0.524	0.496	0.538	0.505	8.05
44)	TM	Trichloroethene	0.381	0.340	0.300	0.366	0.333	0.370	0.348	8.65
45)	C	1,2-Dichloropr...	0.390	0.375	0.321	0.366	0.337	0.371	0.360	7.13#
46)	T	Dibromomethane	0.220	0.190	0.174	0.204	0.188	0.205	0.197	8.23
47)	T	Bromodichlorom...	0.549	0.524	0.456	0.543	0.501	0.560	0.522	7.36
48)	T	Methyl methacr...	0.221	0.201	0.189	0.237	0.228	0.258	0.222	11.21
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.76
50)	S	Toluene-d8	1.299	1.254	1.134	1.185	1.191	1.246	1.218	4.86
51)	T	4-Methyl-2-Pen...	0.281	0.247	0.220	0.269	0.254	0.275	0.258	8.66
52)	CM	Toluene	0.930	0.892	0.800	0.940	0.866	0.960	0.898	6.54#
53)	T	t-1,3-Dichloro...	0.477	0.448	0.408	0.497	0.464	0.524	0.470	8.55
54)	T	cis-1,3-Dichlo...	0.577	0.537	0.489	0.579	0.542	0.603	0.554	7.30
55)	T	1,1,2-Trichlor...	0.280	0.257	0.230	0.269	0.248	0.271	0.259	6.93
56)	T	Ethyl methacry...	0.376	0.330	0.316	0.403	0.381	0.426	0.372	11.38

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y100924S.M

57)	T	1,3-Dichloropr...	0.481	0.460	0.400	0.474	0.439	0.476	0.455	6.77
58)	T	2-Chloroethyl ...	0.179	0.168	0.164	0.171	0.176	0.182	0.173	4.02
59)	T	2-Hexanone	0.193	0.173	0.160	0.197	0.185	0.197	0.184	8.12
60)	T	Dibromochlorom...	0.348	0.317	0.294	0.344	0.328	0.364	0.333	7.47
61)	T	1,2-Dibromoethane	0.244	0.234	0.207	0.246	0.226	0.248	0.234	6.70
62)	S	4-Bromofluorob...	0.498	0.438	0.402	0.426	0.427	0.450	0.440	7.41
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.379	0.366	0.316	0.368	0.328	0.377	0.356	7.55
65)	PM	Chlorobenzene	1.226	1.167	1.032	1.171	1.064	1.202	1.144	6.79
66)	T	1,1,1,2-Tetrac...	0.409	0.386	0.350	0.398	0.366	0.414	0.387	6.47
67)	C	Ethyl Benzene	2.177	2.100	1.861	2.164	1.953	2.209	2.077	6.73#
68)	T	m/p-Xylenes	0.802	0.781	0.691	0.796	0.720	0.813	0.767	6.47
69)	T	o-Xylene	0.750	0.756	0.665	0.769	0.700	0.783	0.737	6.15
70)	T	Styrene	1.276	1.238	1.120	1.304	1.191	1.333	1.244	6.30
71)	P	Bromoform	0.208	0.198	0.180	0.220	0.204	0.232	0.207	8.74
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.420	4.371	3.794	4.268	3.912	4.470	4.206	6.75
74)	T	N-amyl acetate	1.098	1.055	0.965	1.174	1.123	1.269	1.114	9.30
75)	P	1,1,2,2-Tetrac...	0.796	0.737	0.664	0.763	0.719	0.805	0.747	7.05
76)	T	1,2,3-Trichlor...	0.596	0.495	0.526	0.507	0.478	0.523	0.521	7.84
77)	T	Bromobenzene	0.945	0.920	0.784	0.913	0.841	0.952	0.892	7.41
78)	T	n-propylbenzene	5.289	5.250	4.615	5.213	4.752	5.371	5.082	6.22
79)	T	2-Chlorotoluene	3.136	3.010	2.606	2.975	2.688	3.066	2.913	7.39
80)	T	1,3,5-Trimethy...	3.576	3.494	3.067	3.470	3.180	3.593	3.396	6.47
81)	T	trans-1,4-Dich...	0.244	0.233	0.206	0.251	0.242	0.280	0.243	10.01
82)	T	4-Chlorotoluene	3.184	3.129	2.650	3.029	2.749	3.132	2.979	7.53
83)	T	tert-Butylbenzene	3.236	3.178	2.709	3.100	2.829	3.204	3.043	7.22
84)	T	1,2,4-Trimethy...	3.532	3.450	3.024	3.466	3.155	3.578	3.367	6.66
85)	T	sec-Butylbenzene	4.798	4.743	4.008	4.719	4.218	4.791	4.546	7.55
86)	T	p-Isopropyltol...	3.923	3.757	3.275	3.810	3.460	3.923	3.691	7.19
87)	T	1,3-Dichlorobe...	1.968	1.892	1.598	1.819	1.651	1.887	1.802	8.15
88)	T	1,4-Dichlorobe...	1.928	1.831	1.572	1.801	1.635	1.856	1.771	7.77
89)	T	n-Butylbenzene	3.608	3.686	3.180	3.827	3.415	3.912	3.605	7.51
90)	T	Hexachloroethane	0.730	0.732	0.616	0.739	0.692	0.804	0.719	8.62
91)	T	1,2-Dichlorobe...	1.716	1.620	1.416	1.612	1.474	1.663	1.584	7.26
92)	T	1,2-Dibromo-3-...	0.133	0.115	0.100	0.121	0.118	0.129	0.119	9.66
93)	T	1,2,4-Trichlor...	0.860	0.832	0.758	0.965	0.886	1.027	0.888	10.80
94)	T	Hexachlorobuta...	0.502	0.489	0.423	0.529	0.472	0.548	0.494	8.97
95)	T	Naphthalene	1.486	1.440	1.390	1.845	1.806	2.082	1.675	16.55
96)	T	1,2,3-Trichlor...	0.716	0.698	0.634	0.823	0.761	0.872	0.751	11.53

(#) = Out of Range



Response = 4.638e-002 * Amt + 1.751e-002
Coef of Det (r^2) = 0.999639 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100924S.M
Calibration Table Last Updated: Thu Oct 10 05:30:07 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019827.D
Acq On : 09 Oct 2024 10:18
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 05:15:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel
10/10/2024
Supervised By :Mahesh Dadoda
10/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	374343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	666511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	557182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	257354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	26224	5.689	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 11.380%#			
35) Dibromofluoromethane	7.640	113	23731	5.396	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 10.800%#			
50) Toluene-d8	10.103	98	86603	5.332	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 10.660%#			
62) 4-Bromofluorobenzene	12.402	95	33223	5.661	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 11.320%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	18708	5.368	ug/l	98
3) Chloromethane	2.074	50	24088	5.311	ug/l	99
4) Vinyl Chloride	2.208	62	26464	5.302	ug/l	96
5) Bromomethane	2.605	94	17128	5.422	ug/l	96
6) Chloroethane	2.739	64	18439	5.499	ug/l	97
7) Trichlorofluoromethane	3.062	101	41227	5.551	ug/l	91
8) Diethyl Ether	3.452	74	11854	5.252	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.824	101	23186	5.367	ug/l	99
10) Methyl Iodide	4.001	142	21313	4.878	ug/l	97
11) Tert butyl alcohol	4.860	59	15386	25.435	ug/l #	86
12) 1,1-Dichloroethene	3.793	96	21994	5.477	ug/l	96
13) Acrolein	3.653	56	11407	33.680	ug/l	99
14) Allyl chloride	4.385	41	39466	5.447	ug/l	100
15) Acrylonitrile	5.061	53	28849	27.944	ug/l	97
16) Acetone	3.873	43	36615	30.516	ug/l	92
17) Carbon Disulfide	4.110	76	56179	5.219	ug/l	97
18) Methyl Acetate	4.391	43	14714	5.693	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	64344	5.577	ug/l	93
20) Methylene Chloride	4.616	84	32544	6.721	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	23585	5.396	ug/l	93
22) Diisopropyl ether	6.019	45	85560	5.421	ug/l #	90
23) Vinyl Acetate	5.964	43	241204	26.658	ug/l	99
24) 1,1-Dichloroethane	5.921	63	48212	5.495	ug/l	99
25) 2-Butanone	6.896	43	46904	29.204	ug/l	96
26) 2,2-Dichloropropane	6.884	77	45964	5.883	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	29094	5.386	ug/l	96
28) Bromochloromethane	7.250	49	22704	5.879	ug/l	94
29) Tetrahydrofuran	7.262	42	26280	28.658	ug/l	97
30) Chloroform	7.421	83	49340	5.517	ug/l	99
31) Cyclohexane	7.701	56	47253	6.136	ug/l #	85
32) 1,1,1-Trichloroethane	7.616	97	41860	5.341	ug/l	97
36) 1,1-Dichloropropene	7.835	75	34242	5.404	ug/l	99
37) Ethyl Acetate	6.988	43	17987	5.444	ug/l	96
38) Carbon Tetrachloride	7.817	117	35007	5.153	ug/l	98
39) Methylcyclohexane	9.109	83	41950	5.254	ug/l	96
40) Benzene	8.079	78	100750	5.254	ug/l	97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019827.D
Acq On : 09 Oct 2024 10:18
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 05:15:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel
10/10/2024
Supervised By :Mahesh Dadoda
10/10/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	8419	4.708	ug/l	#	81
42) 1,2-Dichloroethane	8.158	62	29850	5.418	ug/l		99
43) Isopropyl Acetate	8.195	43	36465	5.412	ug/l	#	88
44) Trichloroethene	8.866	130	25386	5.466	ug/l		88
45) 1,2-Dichloropropane	9.140	63	26001	5.417	ug/l		94
46) Dibromomethane	9.231	93	14664	5.592	ug/l		95
47) Bromodichloromethane	9.420	83	36601	5.258	ug/l		97
48) Methyl methacrylate	9.225	41	14711	4.963	ug/l		92
49) 1,4-Dioxane	9.231	88	2943	100.270	ug/l	#	74
51) 4-Methyl-2-Pentanone	10.000	43	93808	27.294	ug/l		97
52) Toluene	10.170	92	62004	5.180	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	31813	5.080	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	38450	5.203	ug/l		94
55) 1,1,2-Trichloroethane	10.573	97	18629	5.392	ug/l		94
56) Ethyl methacrylate	10.438	69	25028	5.048	ug/l		97
57) 1,3-Dichloropropane	10.719	76	32075	5.286	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	59794	25.908	ug/l		100
59) 2-Hexanone	10.762	43	64389	26.230	ug/l		99
60) Dibromochloromethane	10.908	129	23206	5.233	ug/l		98
61) 1,2-Dibromoethane	11.012	107	16281	5.215	ug/l		94
64) Tetrachloroethene	10.646	164	21107	5.326	ug/l		95
65) Chlorobenzene	11.438	112	68313	5.360	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	22770	5.281	ug/l		97
67) Ethyl Benzene	11.518	91	121323	5.241	ug/l		95
68) m/p-Xylenes	11.627	106	89333	10.448	ug/l		100
69) o-Xylene	11.950	106	41807	5.089	ug/l		97
70) Styrene	11.969	104	71087	5.129	ug/l		98
71) Bromoform	12.127	173	11616	5.032	ug/l	#	96
73) Isopropylbenzene	12.255	105	113742	5.254	ug/l		99
74) N-amyl acetate	12.066	43	28262	4.929	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	20484	5.326	ug/l		92
76) 1,2,3-Trichloropropane	12.554	75	15329m	5.735	ug/l		
77) Bromobenzene	12.530	156	24308	5.292	ug/l		99
78) n-propylbenzene	12.591	91	136112	5.204	ug/l		100
79) 2-Chlorotoluene	12.676	91	80713	5.383	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	92022	5.264	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	6271	5.021	ug/l		97
82) 4-Chlorotoluene	12.773	91	81942	5.344	ug/l		100
83) tert-Butylbenzene	12.993	119	83271	5.317	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	90896	5.244	ug/l		99
85) sec-Butylbenzene	13.170	105	123488	5.278	ug/l		99
86) p-Isopropyltoluene	13.292	119	100964	5.314	ug/l		97
87) 1,3-Dichlorobenzene	13.286	146	50645	5.459	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	49614	5.444	ug/l		93
89) n-Butylbenzene	13.615	91	92858	5.005	ug/l		97
90) Hexachloroethane	13.883	117	18792	5.079	ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	44165	5.418	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3426	5.581	ug/l		91
93) 1,2,4-Trichlorobenzene	14.919	180	22142	4.845	ug/l		97
94) Hexachlorobutadiene	15.023	225	12910	5.081	ug/l		98
95) Naphthalene	15.145	128	38238	4.436	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	18432	4.771	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019827.D
Acq On : 09 Oct 2024 10:18
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 05:15:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel
10/10/2024
Supervised By :Mahesh Dadoda
10/10/2024

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\VY100924\
Data File : VY019827.D
Acq On : 09 Oct 2024 10:18
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 05:15:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

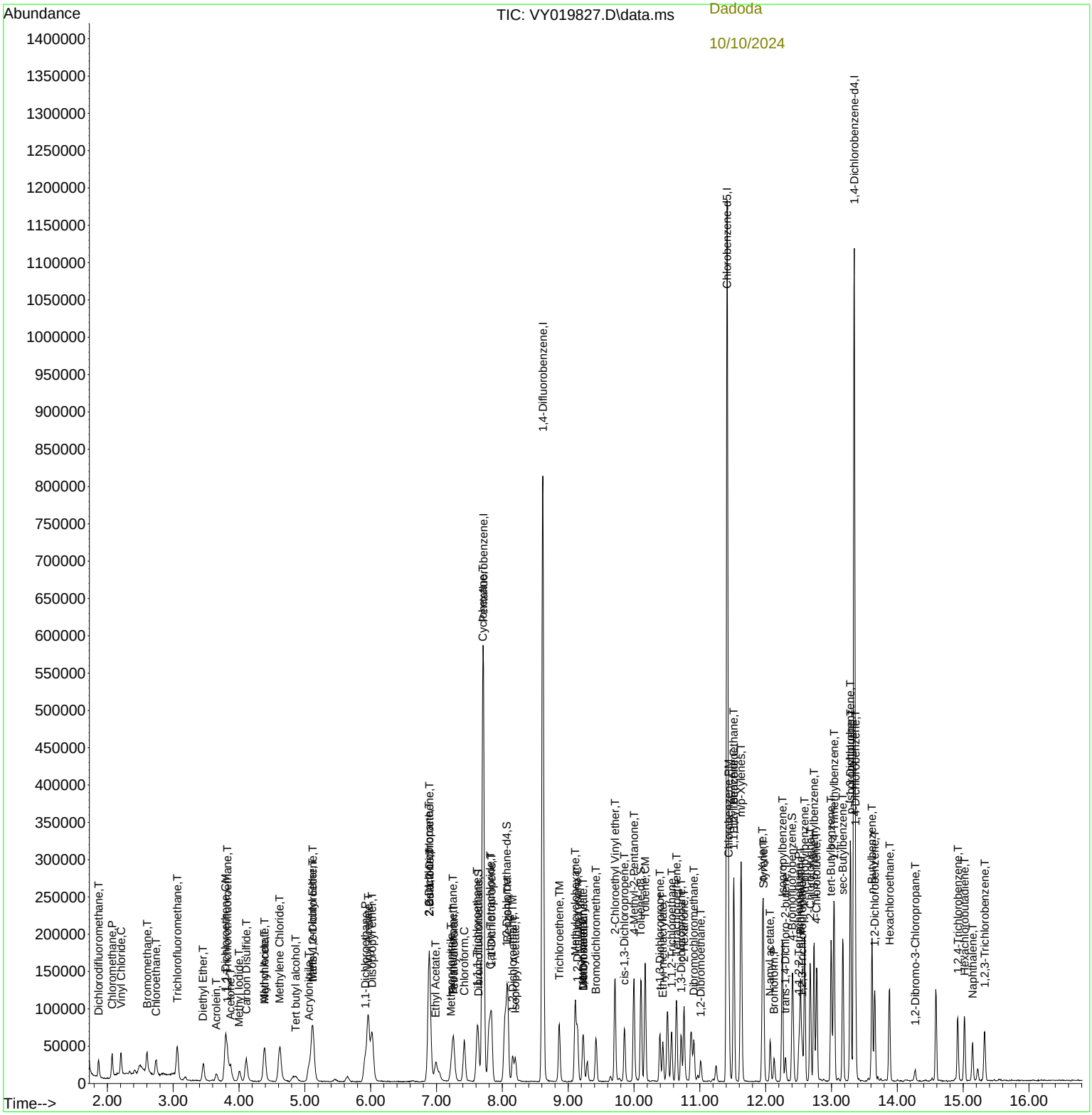
Manual Integrations APPROVED

Reviewed By :Romaben Patel

10/10/2024

Supervised By :Mahesh Dadoda

10/10/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019828.D
Acq On : 09 Oct 2024 10:41
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:16:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	361756	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.615	114	649579	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	541498	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	250102	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	47466	10.656	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 21.320%#				
35) Dibromofluoromethane	7.640	113	43577	10.166	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 20.340%#				
50) Toluene-d8	10.103	98	162940	10.293	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 20.580%#				
62) 4-Bromofluorobenzene	12.401	95	56875	9.944	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 19.880%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	36061	10.708	ug/l		93
3) Chloromethane	2.068	50	46110	10.520	ug/l		95
4) Vinyl Chloride	2.208	62	49569	10.277	ug/l		97
5) Bromomethane	2.598	94	32366	10.602	ug/l		96
6) Chloroethane	2.738	64	33901	10.462	ug/l		99
7) Trichlorofluoromethane	3.062	101	73540	10.247	ug/l		97
8) Diethyl Ether	3.458	74	21982	10.078	ug/l		96
9) 1,1,2-Trichlorotrifluo...	3.818	101	44208	10.590	ug/l		99
10) Methyl Iodide	4.007	142	42256	10.008	ug/l		98
11) Tert butyl alcohol	4.854	59	22157	47.157	ug/l	#	93
12) 1,1-Dichloroethene	3.793	96	40380	10.405	ug/l		100
13) Acrolein	3.659	56	17589	53.740	ug/l		97
14) Allyl chloride	4.385	41	70509	10.069	ug/l		98
15) Acrylonitrile	5.061	53	49104	49.218	ug/l	#	87
16) Acetone	3.872	43	56442	48.677	ug/l		95
17) Carbon Disulfide	4.104	76	100680	9.679	ug/l		95
18) Methyl Acetate	4.385	43	24175	9.678	ug/l		98
19) Methyl tert-butyl Ether	5.122	73	112810	10.118	ug/l		97
20) Methylene Chloride	4.616	84	50288	10.746	ug/l		98
21) trans-1,2-Dichloroethene	5.116	96	43174	10.221	ug/l		90
22) Diisopropyl ether	6.024	45	160865	10.547	ug/l		96
23) Vinyl Acetate	5.964	43	440610	50.390	ug/l		99
24) 1,1-Dichloroethane	5.915	63	88167	10.399	ug/l		98
25) 2-Butanone	6.896	43	78586	50.633	ug/l		97
26) 2,2-Dichloropropane	6.884	77	77467	10.260	ug/l		100
27) cis-1,2-Dichloroethene	6.896	96	55404	10.614	ug/l		98
28) Bromochloromethane	7.244	49	34014	9.115	ug/l		99
29) Tetrahydrofuran	7.268	42	43254	48.809	ug/l		98
30) Chloroform	7.421	83	89550	10.361	ug/l		95
31) Cyclohexane	7.701	56	79459	10.676	ug/l	#	93
32) 1,1,1-Trichloroethane	7.622	97	78955	10.424	ug/l		98
36) 1,1-Dichloropropene	7.835	75	60218	9.751	ug/l		97
37) Ethyl Acetate	6.982	43	30870	9.587	ug/l		98
38) Carbon Tetrachloride	7.817	117	65606	9.910	ug/l		95
39) Methylcyclohexane	9.103	83	75887	9.753	ug/l		95
40) Benzene	8.079	78	191485	10.246	ug/l		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019828.D
Acq On : 09 Oct 2024 10:41
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 10 05:16:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	15599	8.950	ug/l	#	86
42) 1,2-Dichloroethane	8.158	62	51825	9.652	ug/l		99
43) Isopropyl Acetate	8.201	43	63799	9.715	ug/l		98
44) Trichloroethene	8.865	130	44163	9.756	ug/l		88
45) 1,2-Dichloropropane	9.140	63	48706	10.412	ug/l		96
46) Dibromomethane	9.231	93	24667	9.651	ug/l		98
47) Bromodichloromethane	9.420	83	68101	10.039	ug/l		99
48) Methyl methacrylate	9.219	41	26161	9.056	ug/l		98
49) 1,4-Dioxane	9.225	88	5712	199.684	ug/l		93
51) 4-Methyl-2-Pentanone	9.999	43	160710	47.978	ug/l		99
52) Toluene	10.170	92	115871	9.932	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	58244	9.542	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	69712	9.679	ug/l		97
55) 1,1,2-Trichloroethane	10.566	97	33430	9.928	ug/l		98
56) Ethyl methacrylate	10.438	69	42834	8.865	ug/l		94
57) 1,3-Dichloropropane	10.713	76	59776	10.109	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	108860	48.397	ug/l		98
59) 2-Hexanone	10.761	43	112424	46.991	ug/l		100
60) Dibromochloromethane	10.908	129	41215	9.536	ug/l		99
61) 1,2-Dibromoethane	11.011	107	30363	9.978	ug/l		99
64) Tetrachloroethene	10.646	164	39617	10.286	ug/l		95
65) Chlorobenzene	11.438	112	126362	10.203	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	41840	9.985	ug/l		99
67) Ethyl Benzene	11.517	91	227448	10.109	ug/l		98
68) m/p-Xylenes	11.627	106	169252	20.369	ug/l		99
69) o-Xylene	11.950	106	81860	10.254	ug/l		98
70) Styrene	11.969	104	134039	9.951	ug/l		99
71) Bromoform	12.127	173	21482	9.576	ug/l	#	99
73) Isopropylbenzene	12.249	105	218641	10.393	ug/l		100
74) N-amyl acetate	12.066	43	52756	9.468	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	36874	9.865	ug/l		95
76) 1,2,3-Trichloropropane	12.554	75	24777m	9.539	ug/l		
77) Bromobenzene	12.529	156	46028	10.311	ug/l		97
78) n-propylbenzene	12.590	91	262629	10.332	ug/l		100
79) 2-Chlorotoluene	12.676	91	150549	10.331	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	174773	10.287	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	11638	9.588	ug/l		96
82) 4-Chlorotoluene	12.773	91	156522	10.504	ug/l		98
83) tert-Butylbenzene	12.993	119	158944	10.443	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	172551	10.244	ug/l		99
85) sec-Butylbenzene	13.170	105	237239	10.433	ug/l		98
86) p-Isopropyltoluene	13.285	119	187930	10.178	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	94640	10.498	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	91597	10.342	ug/l		97
89) n-Butylbenzene	13.615	91	184390	10.227	ug/l		99
90) Hexachloroethane	13.877	117	36632	10.188	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	81041	10.231	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	5750	9.639	ug/l		91
93) 1,2,4-Trichlorobenzene	14.913	180	41597	9.365	ug/l		98
94) Hexachlorobutadiene	15.023	225	24452	9.902	ug/l		98
95) Naphthalene	15.139	128	72035	8.599	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	34928	9.303	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019828.D
Acq On : 09 Oct 2024 10:41
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:16:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 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

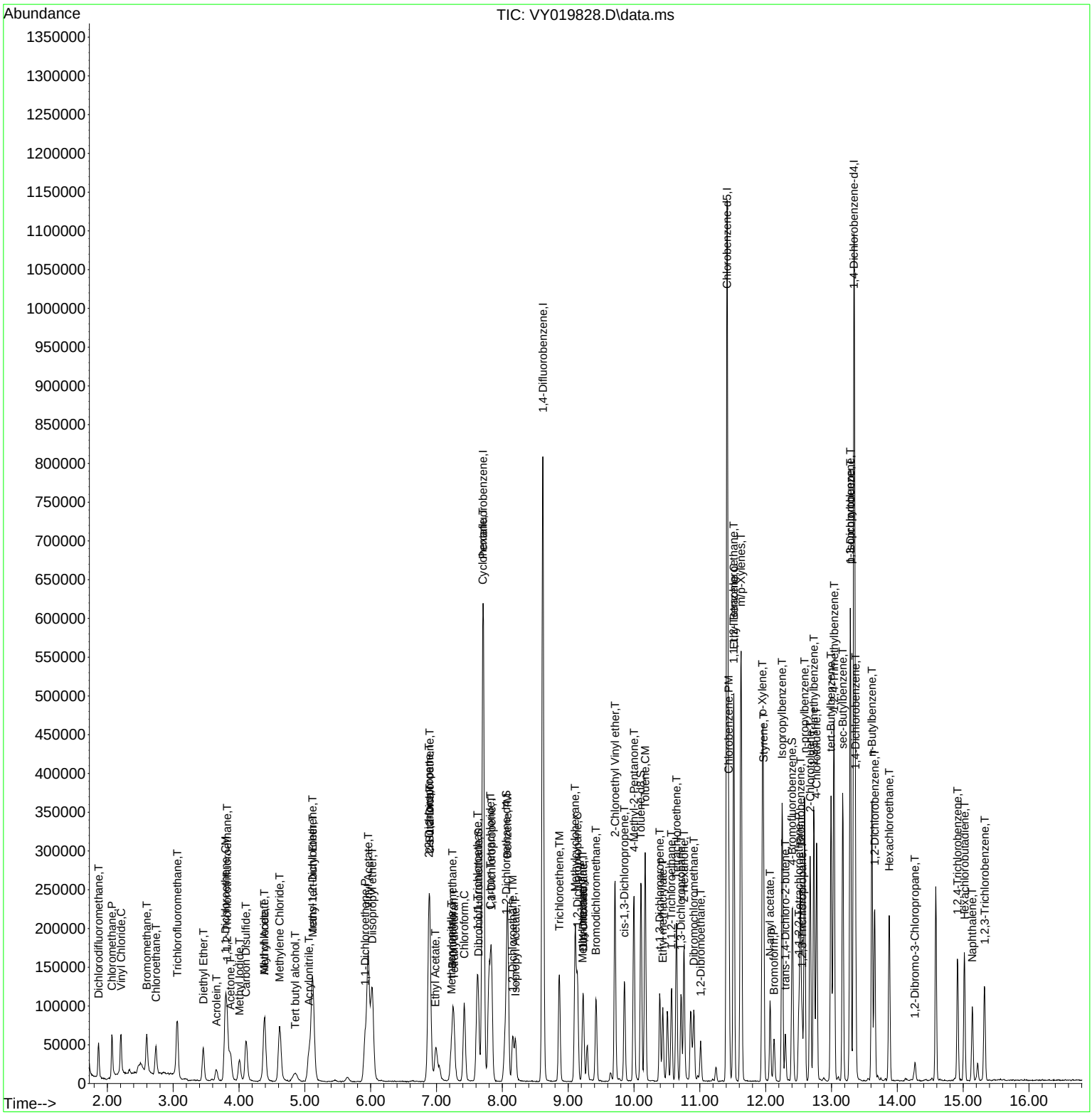
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019828.D
Acq On : 09 Oct 2024 10:41
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 10 05:16:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019829.D
Acq On : 09 Oct 2024 11:04
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:16:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	399493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	686198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	579144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	274774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	90500	18.398	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	36.800%#		
35) Dibromofluoromethane	7.634	113	82440	18.206	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	36.420%#		
50) Toluene-d8	10.103	98	311327	18.618	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	37.240%#		
62) 4-Bromofluorobenzene	12.401	95	110377	18.268	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	36.540%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	65577	17.633	ug/l	99
3) Chloromethane	2.068	50	82646	17.075	ug/l	93
4) Vinyl Chloride	2.208	62	92581	17.381	ug/l	96
5) Bromomethane	2.592	94	57060	16.925	ug/l	90
6) Chloroethane	2.732	64	62255	17.398	ug/l	99
7) Trichlorofluoromethane	3.056	101	138779	17.510	ug/l	99
8) Diethyl Ether	3.458	74	42857	17.792	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	81370	17.650	ug/l	100
10) Methyl Iodide	4.000	142	82834	17.766	ug/l	99
11) Tert butyl alcohol	4.854	59	45691	104.433	ug/l #	82
12) 1,1-Dichloroethene	3.793	96	72442	16.903	ug/l	94
13) Acrolein	3.653	56	36692	101.515	ug/l	98
14) Allyl chloride	4.385	41	134749	17.426	ug/l	100
15) Acrylonitrile	5.061	53	95289	86.488	ug/l	99
16) Acetone	3.872	43	107331	83.821	ug/l	96
17) Carbon Disulfide	4.104	76	190574	16.590	ug/l	100
18) Methyl Acetate	4.391	43	48137	17.451	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	213153	17.312	ug/l	98
20) Methylene Chloride	4.616	84	88015	17.032	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	81678	17.511	ug/l	97
22) Diisopropyl ether	6.018	45	299406	17.776	ug/l	94
23) Vinyl Acetate	5.964	43	832605	86.226	ug/l	99
24) 1,1-Dichloroethane	5.915	63	163823	17.497	ug/l	98
25) 2-Butanone	6.890	43	148441	86.607	ug/l	99
26) 2,2-Dichloropropane	6.884	77	145596	17.461	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	100404	17.418	ug/l	98
28) Bromochloromethane	7.244	49	80239	19.470	ug/l	99
29) Tetrahydrofuran	7.262	42	83724	85.552	ug/l	100
30) Chloroform	7.421	83	168532	17.658	ug/l	93
31) Cyclohexane	7.701	56	137858	16.773	ug/l #	95
32) 1,1,1-Trichloroethane	7.622	97	146196	17.478	ug/l	99
36) 1,1-Dichloropropene	7.835	75	113949	17.467	ug/l	99
37) Ethyl Acetate	6.982	43	59463	17.481	ug/l	98
38) Carbon Tetrachloride	7.817	117	122286	17.486	ug/l	98
39) Methylcyclohexane	9.109	83	140509	17.094	ug/l	95
40) Benzene	8.079	78	352281	17.843	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019829.D
Acq On : 09 Oct 2024 11:04
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 05:16:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	33626	18.264	ug/l		94
42) 1,2-Dichloroethane	8.158	62	100933	17.795	ug/l		100
43) Isopropyl Acetate	8.195	43	119654	17.248	ug/l		100
44) Trichloroethene	8.865	130	82242	17.199	ug/l		98
45) 1,2-Dichloropropane	9.140	63	88245	17.858	ug/l		97
46) Dibromomethane	9.231	93	47694	17.665	ug/l		99
47) Bromodichloromethane	9.420	83	125156	17.464	ug/l		99
48) Methyl methacrylate	9.219	41	51848	16.991	ug/l		97
49) 1,4-Dioxane	9.225	88	10924	361.508	ug/l		100
51) 4-Methyl-2-Pentanone	9.999	43	302570	85.508	ug/l		100
52) Toluene	10.170	92	219564	17.816	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	112037	17.376	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	134322	17.655	ug/l		97
55) 1,1,2-Trichloroethane	10.566	97	63230	17.776	ug/l		96
56) Ethyl methacrylate	10.438	69	86703	16.987	ug/l		99
57) 1,3-Dichloropropane	10.713	76	109903	17.594	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	224798	94.607	ug/l		99
59) 2-Hexanone	10.755	43	219312	86.777	ug/l		100
60) Dibromochloromethane	10.908	129	80781	17.693	ug/l		97
61) 1,2-Dibromoethane	11.011	107	56934	17.712	ug/l		99
64) Tetrachloroethene	10.646	164	73174	17.763	ug/l		95
65) Chlorobenzene	11.438	112	239056	18.047	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	81007	18.075	ug/l		99
67) Ethyl Benzene	11.517	91	431084	17.915	ug/l		99
68) m/p-Xylenes	11.627	106	320381	36.051	ug/l		99
69) o-Xylene	11.950	106	154055	18.042	ug/l		99
70) Styrene	11.969	104	259526	18.015	ug/l		99
71) Bromoform	12.127	173	41644	17.357	ug/l	#	99
73) Isopropylbenzene	12.249	105	416954	18.041	ug/l		99
74) N-amyl acetate	12.066	43	106042	17.323	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	72967	17.768	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	57760m	20.240	ug/l		
77) Bromobenzene	12.529	156	86210	17.578	ug/l		99
78) n-propylbenzene	12.590	91	507193	18.161	ug/l		100
79) 2-Chlorotoluene	12.676	91	286378	17.887	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	337042	18.057	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	22618	16.960	ug/l		99
82) 4-Chlorotoluene	12.773	91	291230	17.790	ug/l		100
83) tert-Butylbenzene	12.993	119	297787	17.809	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	332348	17.959	ug/l		99
85) sec-Butylbenzene	13.170	105	440520	17.633	ug/l		100
86) p-Isopropyltoluene	13.285	119	359998	17.746	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	175584	17.728	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	172734	17.752	ug/l		98
89) n-Butylbenzene	13.615	91	349496	17.644	ug/l		100
90) Hexachloroethane	13.877	117	67690	17.136	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	155633	17.883	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11020	16.814	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	83360	17.083	ug/l		99
94) Hexachlorobutadiene	15.023	225	46439	17.117	ug/l		97
95) Naphthalene	15.139	128	152742	16.596	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	69691	16.894	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019829.D
Acq On : 09 Oct 2024 11:04
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:16:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 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

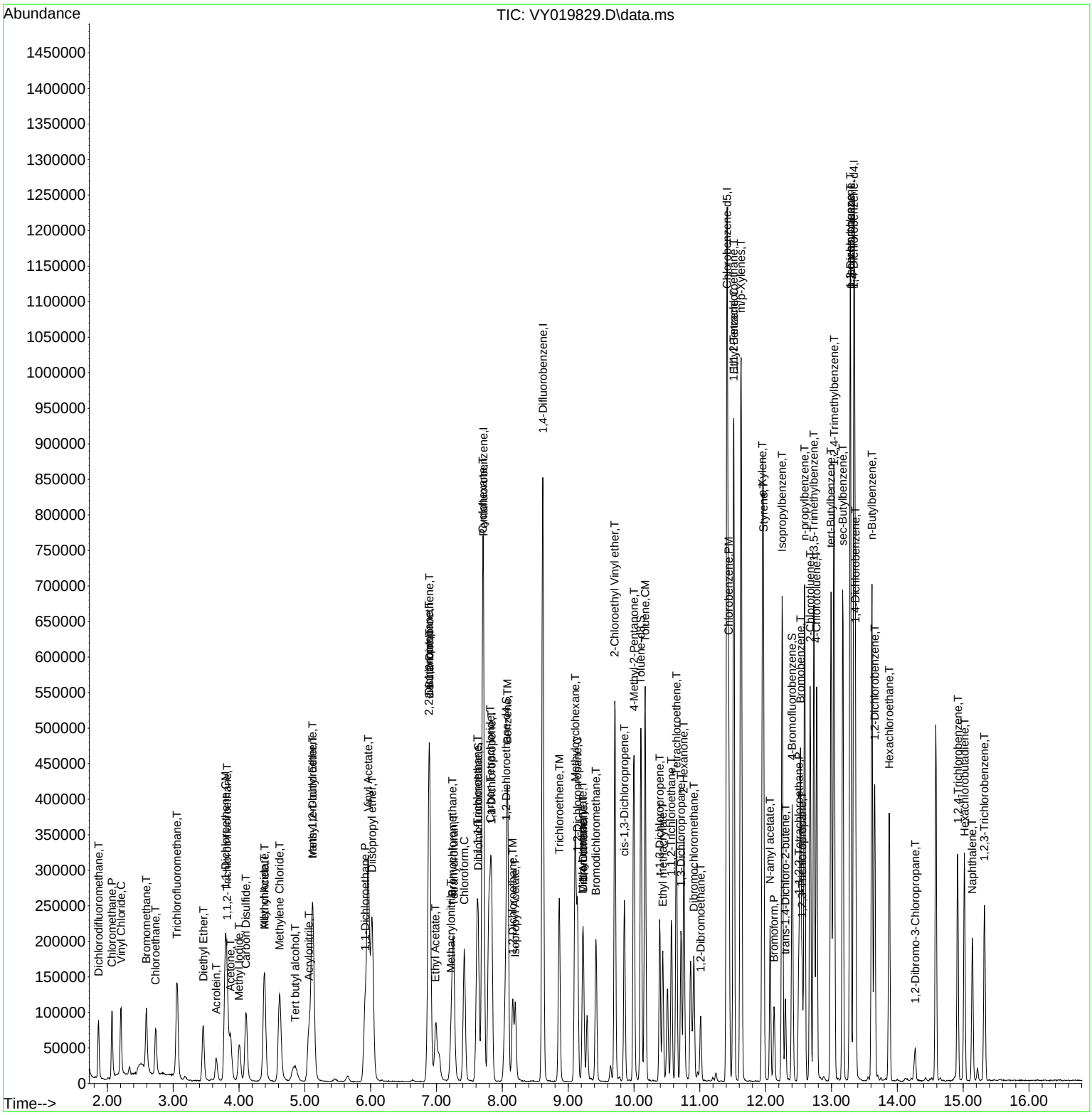
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019829.D
Acq On : 09 Oct 2024 11:04
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 05:16:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019830.D
Acq On : 09 Oct 2024 11:26
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:17:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	376582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	652229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	562284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	271955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	218635	47.152	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.300%			
35) Dibromofluoromethane	7.634	113	209339	48.638	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.280%			
50) Toluene-d8	10.103	98	772997	48.634	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.260%			
62) 4-Bromofluorobenzene	12.401	95	277970	48.402	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	172619	49.240	ug/l	100
3) Chloromethane	2.068	50	231921	50.830	ug/l	100
4) Vinyl Chloride	2.202	62	259124	51.608	ug/l	100
5) Bromomethane	2.598	94	163168	51.342	ug/l	100
6) Chloroethane	2.732	64	171731	50.912	ug/l	100
7) Trichlorofluoromethane	3.062	101	376466	50.389	ug/l	100
8) Diethyl Ether	3.458	74	118188	52.051	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	218828	50.355	ug/l	100
10) Methyl Iodide	4.007	142	238365	54.233	ug/l	100
11) Tert butyl alcohol	4.854	59	94744	252.374	ug/l	100
12) 1,1-Dichloroethene	3.793	96	206999	51.238	ug/l	100
13) Acrolein	3.653	56	75001	220.129	ug/l	100
14) Allyl chloride	4.385	41	380793	52.240	ug/l	100
15) Acrylonitrile	5.055	53	270020	259.992	ug/l	100
16) Acetone	3.866	43	320427	265.464	ug/l	100
17) Carbon Disulfide	4.110	76	584406	53.968	ug/l	100
18) Methyl Acetate	4.385	43	131986	50.760	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	592784	51.073	ug/l	100
20) Methylene Chloride	4.616	84	233261	47.884	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	228011	51.856	ug/l	100
22) Diisopropyl ether	6.024	45	815528	51.364	ug/l	100
23) Vinyl Acetate	5.964	43	2401557	263.841	ug/l	100
24) 1,1-Dichloroethane	5.921	63	452600	51.280	ug/l	100
25) 2-Butanone	6.896	43	417253	258.255	ug/l	100
26) 2,2-Dichloropropane	6.884	77	393618	50.078	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	278623	51.276	ug/l	100
28) Bromochloromethane	7.244	49	199378	51.324	ug/l	100
29) Tetrahydrofuran	7.256	42	240189	260.365	ug/l	100
30) Chloroform	7.421	83	461316	51.274	ug/l	100
31) Cyclohexane	7.701	56	380045	49.053	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	401679	50.944	ug/l	100
36) 1,1-Dichloropropene	7.835	75	323381	52.153	ug/l	100
37) Ethyl Acetate	6.982	43	168308	52.055	ug/l	100
38) Carbon Tetrachloride	7.817	117	343937	51.741	ug/l	100
39) Methylcyclohexane	9.109	83	410379	52.526	ug/l	100
40) Benzene	8.079	78	970532	51.718	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019830.D
Acq On : 09 Oct 2024 11:26
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 05:17:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	101564	58.039	ug/l		100
42) 1,2-Dichloroethane	8.158	62	280666	52.060	ug/l		100
43) Isopropyl Acetate	8.195	43	341732	51.825	ug/l		100
44) Trichloroethene	8.865	130	238984	52.581	ug/l		100
45) 1,2-Dichloropropane	9.140	63	238678	50.815	ug/l		100
46) Dibromomethane	9.231	93	132799	51.749	ug/l		100
47) Bromodichloromethane	9.420	83	353916	51.958	ug/l		100
48) Methyl methacrylate	9.219	41	154785	53.365	ug/l		100
49) 1,4-Dioxane	9.225	88	30969	1078.234	ug/l		100
51) 4-Methyl-2-Pentanone	9.999	43	877883	261.016	ug/l		100
52) Toluene	10.170	92	613036	52.335	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	324446	52.938	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	377341	52.179	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	175360	51.866	ug/l		100
56) Ethyl methacrylate	10.438	69	263123	54.236	ug/l		100
57) 1,3-Dichloropropane	10.713	76	309112	52.061	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	556812	246.542	ug/l		100
59) 2-Hexanone	10.755	43	641505	267.049	ug/l		100
60) Dibromochloromethane	10.908	129	224272	51.680	ug/l		100
61) 1,2-Dibromoethane	11.011	107	160393	52.497	ug/l		100
64) Tetrachloroethene	10.646	164	206807	51.709	ug/l		100
65) Chlorobenzene	11.438	112	658325	51.188	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	223562	51.379	ug/l		100
67) Ethyl Benzene	11.517	91	1216822	52.085	ug/l		100
68) m/p-Xylenes	11.627	106	895487	103.787	ug/l		100
69) o-Xylene	11.950	106	432232	52.139	ug/l		100
70) Styrene	11.969	104	733231	52.425	ug/l		100
71) Bromoform	12.127	173	123682	53.097	ug/l	#	100
73) Isopropylbenzene	12.249	105	1160583	50.736	ug/l		100
74) N-amyl acetate	12.066	43	319155	52.678	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	207455	51.039	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	137865m	48.811	ug/l		
77) Bromobenzene	12.529	156	248295	51.151	ug/l		100
78) n-propylbenzene	12.590	91	1417674	51.290	ug/l		100
79) 2-Chlorotoluene	12.676	91	808973	51.052	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	943653	51.081	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	68301	51.748	ug/l		100
82) 4-Chlorotoluene	12.773	91	823660	50.835	ug/l		100
83) tert-Butylbenzene	12.993	119	843078	50.943	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	942572	51.463	ug/l		100
85) sec-Butylbenzene	13.170	105	1283255	51.898	ug/l		100
86) p-Isopropyltoluene	13.285	119	1036077	51.602	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	494583	50.453	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	489868	50.867	ug/l		100
89) n-Butylbenzene	13.615	91	1040714	53.083	ug/l		100
90) Hexachloroethane	13.877	117	200883	51.381	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	438452	50.904	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	32794	50.555	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	262465	54.343	ug/l		100
94) Hexachlorobutadiene	15.017	225	143964	53.614	ug/l		100
95) Naphthalene	15.139	128	501768	55.083	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	223695	54.790	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019830.D
Acq On : 09 Oct 2024 11:26
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:17:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 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

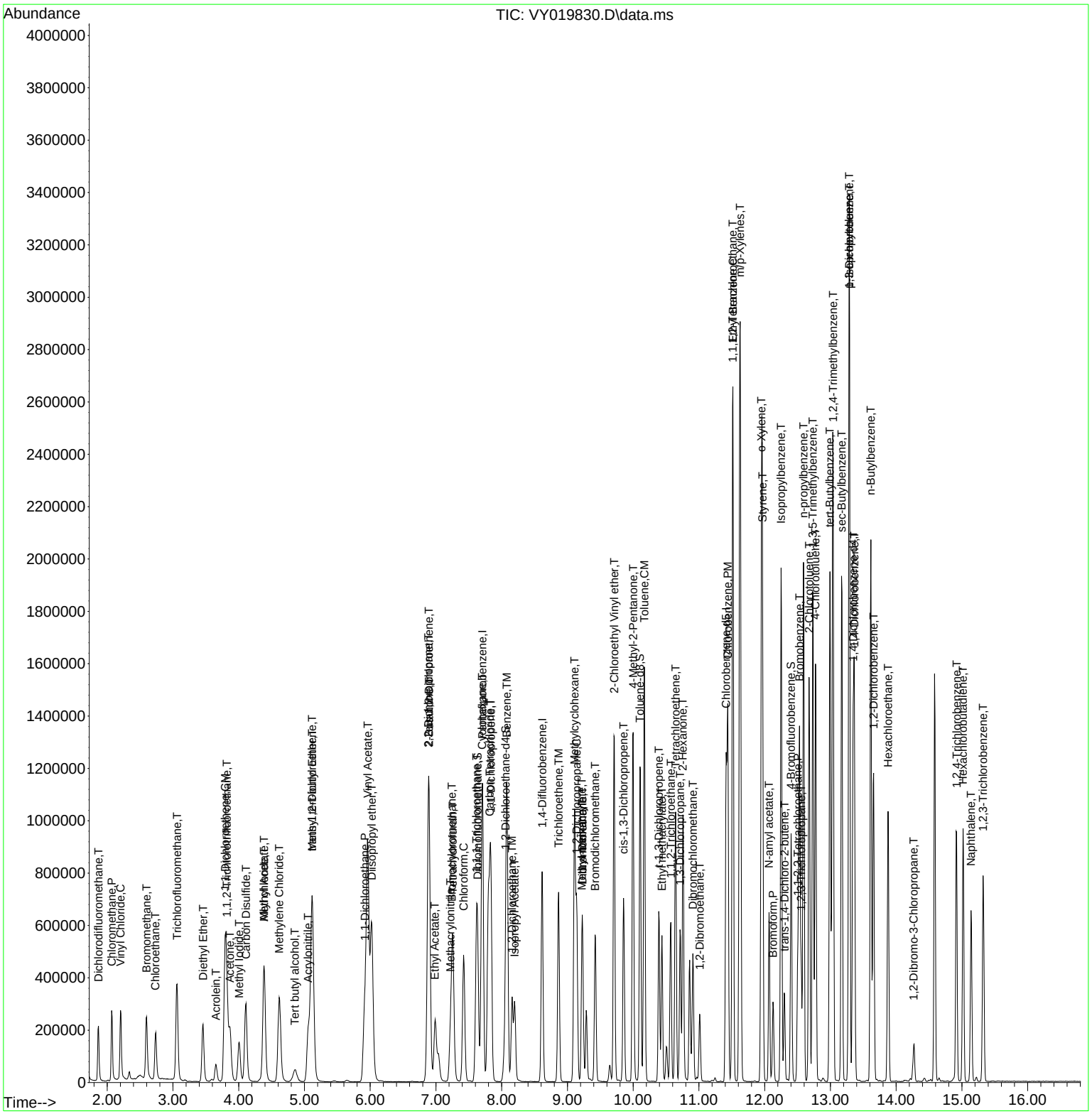
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019830.D
Acq On : 09 Oct 2024 11:26
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 05:17:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019831.D
Acq On : 09 Oct 2024 11:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.713	168	399543	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	674919	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	589258	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	280903	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	466054	94.735 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 189.480%#		
35) Dibromofluoromethane	7.634	113	439652	98.716 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 197.440%#		
50) Toluene-d8	10.103	98	1608316	97.788 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 195.580%#		
62) 4-Bromofluorobenzene	12.402	95	576291	96.973 ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 193.940%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	346639	93.197 ug/l	99
3) Chloromethane	2.068	50	439794	90.849 ug/l	97
4) Vinyl Chloride	2.202	62	498744	93.624 ug/l	98
5) Bromomethane	2.592	94	311487	92.379 ug/l	98
6) Chloroethane	2.733	64	326380	91.200 ug/l	99
7) Trichlorofluoromethane	3.056	101	731395	92.270 ug/l	98
8) Diethyl Ether	3.458	74	227317	94.358 ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	427581	92.738 ug/l	99
10) Methyl Iodide	4.007	142	454738	97.517 ug/l	99
11) Tert butyl alcohol	4.860	59	188738	490.425 ug/l	100
12) 1,1-Dichloroethene	3.787	96	399038	93.096 ug/l	98
13) Acrolein	3.653	56	145388	402.193 ug/l	99
14) Allyl chloride	4.385	41	720821	93.204 ug/l	99
15) Acrylonitrile	5.061	53	528321	479.466 ug/l	100
16) Acetone	3.866	43	607853	474.648 ug/l	100
17) Carbon Disulfide	4.104	76	1121588	97.624 ug/l	100
18) Methyl Acetate	4.385	43	256490	92.974 ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1152848	93.619 ug/l	99
20) Methylene Chloride	4.622	84	434102	83.991 ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	437256	93.729 ug/l	99
22) Diisopropyl ether	6.019	45	1551540	92.103 ug/l	98
23) Vinyl Acetate	5.964	43	4640029	480.470 ug/l	99
24) 1,1-Dichloroethane	5.915	63	865956	92.476 ug/l	100
25) 2-Butanone	6.896	43	802529	468.172 ug/l	98
26) 2,2-Dichloropropane	6.890	77	755135	90.550 ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	534246	92.669 ug/l	99
28) Bromochloromethane	7.244	49	385755	93.594 ug/l	98
29) Tetrahydrofuran	7.262	42	470106	480.310 ug/l	100
30) Chloroform	7.421	83	880963	92.290 ug/l	97
31) Cyclohexane	7.701	56	731399	88.978 ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	781774	93.453 ug/l	99
36) 1,1-Dichloropropene	7.835	75	614134	95.713 ug/l	99
37) Ethyl Acetate	6.988	43	333253	99.605 ug/l	100
38) Carbon Tetrachloride	7.817	117	668267	97.152 ug/l	97
39) Methylcyclohexane	9.109	83	784660	97.056 ug/l	99
40) Benzene	8.079	78	1836648	94.582 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019831.D
Acq On : 09 Oct 2024 11:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	174585	96.413	ug/l		90
42) 1,2-Dichloroethane	8.158	62	537873	96.414	ug/l		100
43) Isopropyl Acetate	8.195	43	670131	98.212	ug/l	#	89
44) Trichloroethene	8.866	130	449896	95.657	ug/l		97
45) 1,2-Dichloropropane	9.140	63	454844	93.582	ug/l		97
46) Dibromomethane	9.231	93	253769	95.564	ug/l		99
47) Bromodichloromethane	9.420	83	676772	96.016	ug/l		99
48) Methyl methacrylate	9.219	41	307095	102.316	ug/l		98
49) 1,4-Dioxane	9.225	88	58595	1971.492	ug/l		92
51) 4-Methyl-2-Pentanone	9.999	43	1712900	492.165	ug/l		99
52) Toluene	10.170	92	1169222	96.461	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	625756	98.669	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	731095	97.697	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	334601	95.637	ug/l		99
56) Ethyl methacrylate	10.438	69	513797	102.346	ug/l		99
57) 1,3-Dichloropropane	10.713	76	592969	96.510	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	1185407	507.222	ug/l		99
59) 2-Hexanone	10.755	43	1250214	502.949	ug/l		100
60) Dibromochloromethane	10.908	129	443160	98.687	ug/l		97
61) 1,2-Dibromoethane	11.012	107	304519	96.320	ug/l		99
64) Tetrachloroethene	10.646	164	386629	92.245	ug/l		98
65) Chlorobenzene	11.438	112	1254471	93.077	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	431042	94.527	ug/l		99
67) Ethyl Benzene	11.518	91	2301755	94.015	ug/l		99
68) m/p-Xylenes	11.627	106	1696340	187.606	ug/l		100
69) o-Xylene	11.950	106	824619	94.919	ug/l		100
70) Styrene	11.969	104	1403875	95.780	ug/l		100
71) Bromoform	12.127	173	240288	98.434	ug/l	#	100
73) Isopropylbenzene	12.249	105	2198054	93.029	ug/l		100
74) N-amyl acetate	12.066	43	630968	100.827	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	403664	96.148	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	268287m	91.961	ug/l		
77) Bromobenzene	12.530	156	472215	94.181	ug/l		99
78) n-propylbenzene	12.591	91	2669979	93.520	ug/l		99
79) 2-Chlorotoluene	12.676	91	1509965	92.254	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	1786278	93.613	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	136172	99.883	ug/l		96
82) 4-Chlorotoluene	12.773	91	1544655	92.297	ug/l		99
83) tert-Butylbenzene	12.993	119	1589606	92.992	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1772395	93.687	ug/l		100
85) sec-Butylbenzene	13.170	105	2369538	92.778	ug/l		100
86) p-Isopropyltoluene	13.286	119	1943974	93.735	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	927379	91.590	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	918591	92.346	ug/l		100
89) n-Butylbenzene	13.615	91	1918293	94.728	ug/l		100
90) Hexachloroethane	13.877	117	388866	96.294	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	828259	93.096	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	66288	98.933	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	497483	99.722	ug/l		100
94) Hexachlorobutadiene	15.017	225	265216	95.624	ug/l		99
95) Naphthalene	15.139	128	1014718	107.846	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	427428	101.356	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019831.D
Acq On : 09 Oct 2024 11:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 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

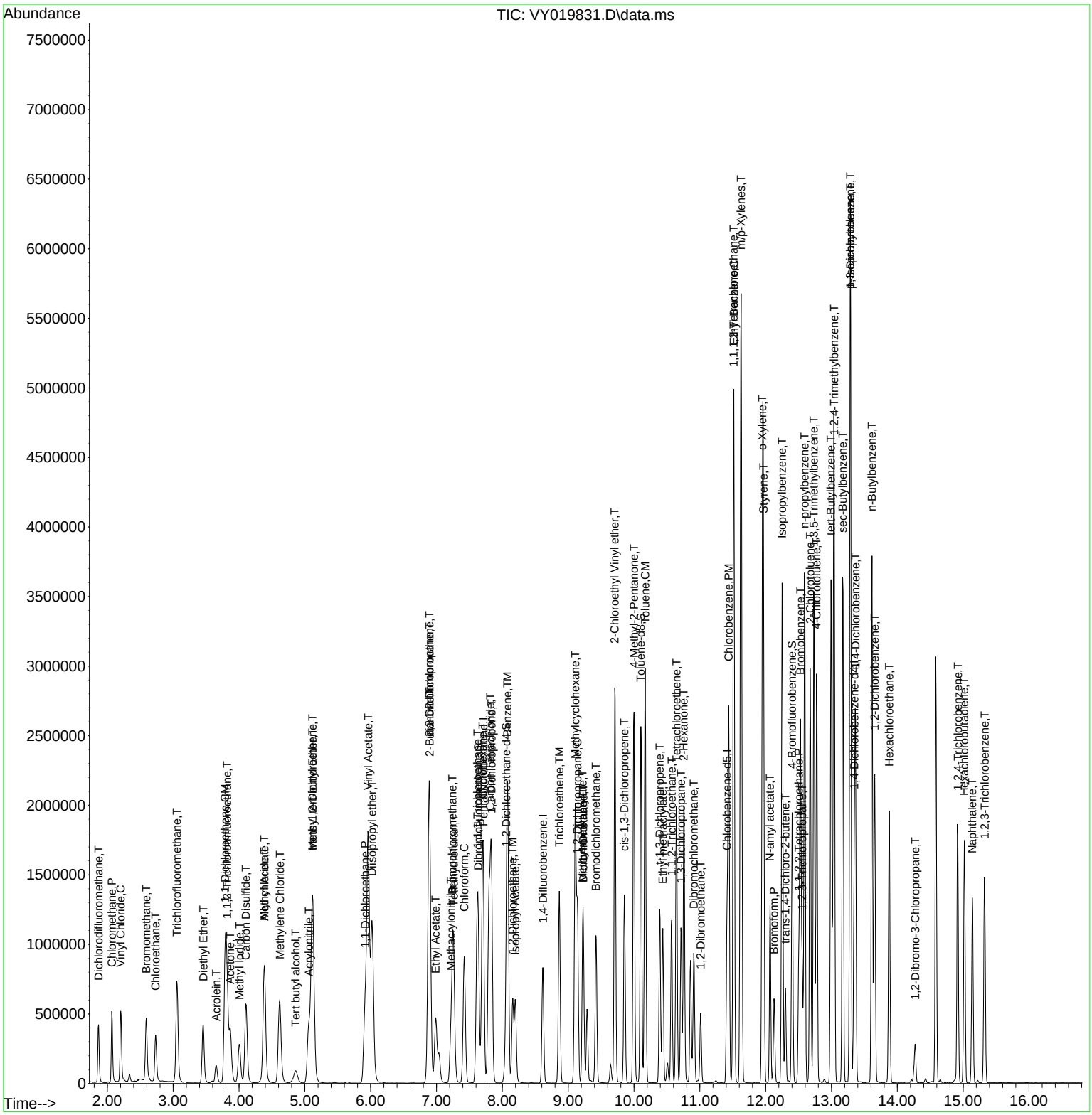
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019831.D
Acq On : 09 Oct 2024 11:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019832.D
Acq On : 09 Oct 2024 12:11
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:19:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	396915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	678680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	586330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	274686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	722957	147.929	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 295.860%#			
35) Dibromofluoromethane	7.634	113	694656	155.108	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 310.220%#			
50) Toluene-d8	10.109	98	2537328	153.418	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 306.840%#			
62) 4-Bromofluorobenzene	12.402	95	916338	153.339	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 306.680%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	585892	158.565	ug/l	98
3) Chloromethane	2.068	50	798560	166.053	ug/l	99
4) Vinyl Chloride	2.202	62	852845	161.156	ug/l	100
5) Bromomethane	2.592	94	531912	158.796	ug/l	100
6) Chloroethane	2.733	64	561947	158.064	ug/l	97
7) Trichlorofluoromethane	3.056	101	1251005	158.867	ug/l	96
8) Diethyl Ether	3.458	74	383280	160.151	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	721787	157.584	ug/l	99
10) Methyl Iodide	4.007	142	747271	161.311	ug/l	100
11) Tert butyl alcohol	4.885	59	284963	755.176	ug/l	99
12) 1,1-Dichloroethene	3.787	96	679168	159.500	ug/l	95
13) Acrolein	3.659	56	236461	658.464	ug/l	98
14) Allyl chloride	4.385	41	1216534	158.343	ug/l	100
15) Acrylonitrile	5.061	53	848983	775.578	ug/l	100
16) Acetone	3.879	43	912619	717.346	ug/l	97
17) Carbon Disulfide	4.104	76	1888753	165.487	ug/l	100
18) Methyl Acetate	4.391	43	442370	161.415	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	1925958	157.437	ug/l	98
20) Methylene Chloride	4.616	84	717870	139.815	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	729032	157.309	ug/l	99
22) Diisopropyl ether	6.025	45	2570555	153.605	ug/l	98
23) Vinyl Acetate	5.964	43	7535742	785.485	ug/l	100
24) 1,1-Dichloroethane	5.915	63	1445405	155.378	ug/l	99
25) 2-Butanone	6.896	43	1256383	737.790	ug/l	97
26) 2,2-Dichloropropane	6.884	77	1264317	152.611	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	891915	155.734	ug/l	99
28) Bromochloromethane	7.244	49	599875	146.508	ug/l	99
29) Tetrahydrofuran	7.268	42	743751	764.926	ug/l	99
30) Chloroform	7.421	83	1464004	154.385	ug/l	99
31) Cyclohexane	7.701	56	1219720	149.367	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	1323990	159.317	ug/l	100
36) 1,1-Dichloropropene	7.835	75	1036099	160.582	ug/l	99
37) Ethyl Acetate	6.988	43	525554	156.210	ug/l	100
38) Carbon Tetrachloride	7.817	117	1138895	164.654	ug/l	99
39) Methylcyclohexane	9.109	83	1339043	164.711	ug/l	98
40) Benzene	8.079	78	3082261	157.848	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019832.D
Acq On : 09 Oct 2024 12:11
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 10 05:19:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	307343	168.786	ug/l		94
42) 1,2-Dichloroethane	8.158	62	888679	158.413	ug/l		99
43) Isopropyl Acetate	8.201	43	1096296	159.778	ug/l		100
44) Trichloroethene	8.866	130	754171	159.464	ug/l		95
45) 1,2-Dichloropropane	9.140	63	755395	154.558	ug/l		98
46) Dibromomethane	9.231	93	417621	156.395	ug/l		98
47) Bromodichloromethane	9.420	83	1139669	160.793	ug/l		99
48) Methyl methacrylate	9.219	41	525958	174.265	ug/l		96
49) 1,4-Dioxane	9.237	88	92452	3093.409	ug/l		92
51) 4-Methyl-2-Pentanone	9.999	43	2795976	798.912	ug/l		100
52) Toluene	10.170	92	1953896	160.303	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	1067220	167.346	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	1228314	163.232	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	552194	156.956	ug/l		99
56) Ethyl methacrylate	10.438	69	867997	171.943	ug/l		100
57) 1,3-Dichloropropane	10.713	76	969272	156.883	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	1849035	786.796	ug/l		99
59) 2-Hexanone	10.762	43	2004280	801.835	ug/l		99
60) Dibromochloromethane	10.908	129	741465	164.201	ug/l		98
61) 1,2-Dibromoethane	11.012	107	505709	159.070	ug/l		99
64) Tetrachloroethene	10.646	164	664013	159.217	ug/l		98
65) Chlorobenzene	11.438	112	2113807	157.620	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	727387	160.312	ug/l		99
67) Ethyl Benzene	11.518	91	3885454	159.494	ug/l		98
68) m/p-Xylenes	11.627	106	2859768	317.854	ug/l		99
69) o-Xylene	11.950	106	1377967	159.404	ug/l		100
70) Styrene	11.969	104	2345126	160.796	ug/l		99
71) Bromoform	12.127	173	408699	168.260	ug/l	#	99
73) Isopropylbenzene	12.255	105	3683189	159.413	ug/l		100
74) N-amyl acetate	12.066	43	1045778	170.894	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	663721	161.669	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	430858m	151.028	ug/l		
77) Bromobenzene	12.530	156	784626	160.032	ug/l		99
78) n-propylbenzene	12.591	91	4426286	158.547	ug/l		99
79) 2-Chlorotoluene	12.676	91	2526778	157.872	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	2960841	158.681	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	231021	173.290	ug/l		95
82) 4-Chlorotoluene	12.773	91	2581267	157.729	ug/l		100
83) tert-Butylbenzene	12.993	119	2640275	157.952	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	2948705	159.393	ug/l		100
85) sec-Butylbenzene	13.176	105	3947759	158.071	ug/l		100
86) p-Isopropyltoluene	13.292	119	3233062	159.421	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	1554919	157.043	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	1529859	157.278	ug/l		99
89) n-Butylbenzene	13.615	91	3223421	162.780	ug/l		99
90) Hexachloroethane	13.877	117	662225	167.697	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	1370278	157.505	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	106025	161.821	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	846149	173.453	ug/l		100
94) Hexachlorobutadiene	15.023	225	451281	166.393	ug/l		99
95) Naphthalene	15.139	128	1715521	186.455	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	718465	174.226	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019832.D
Acq On : 09 Oct 2024 12:11
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:19:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 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

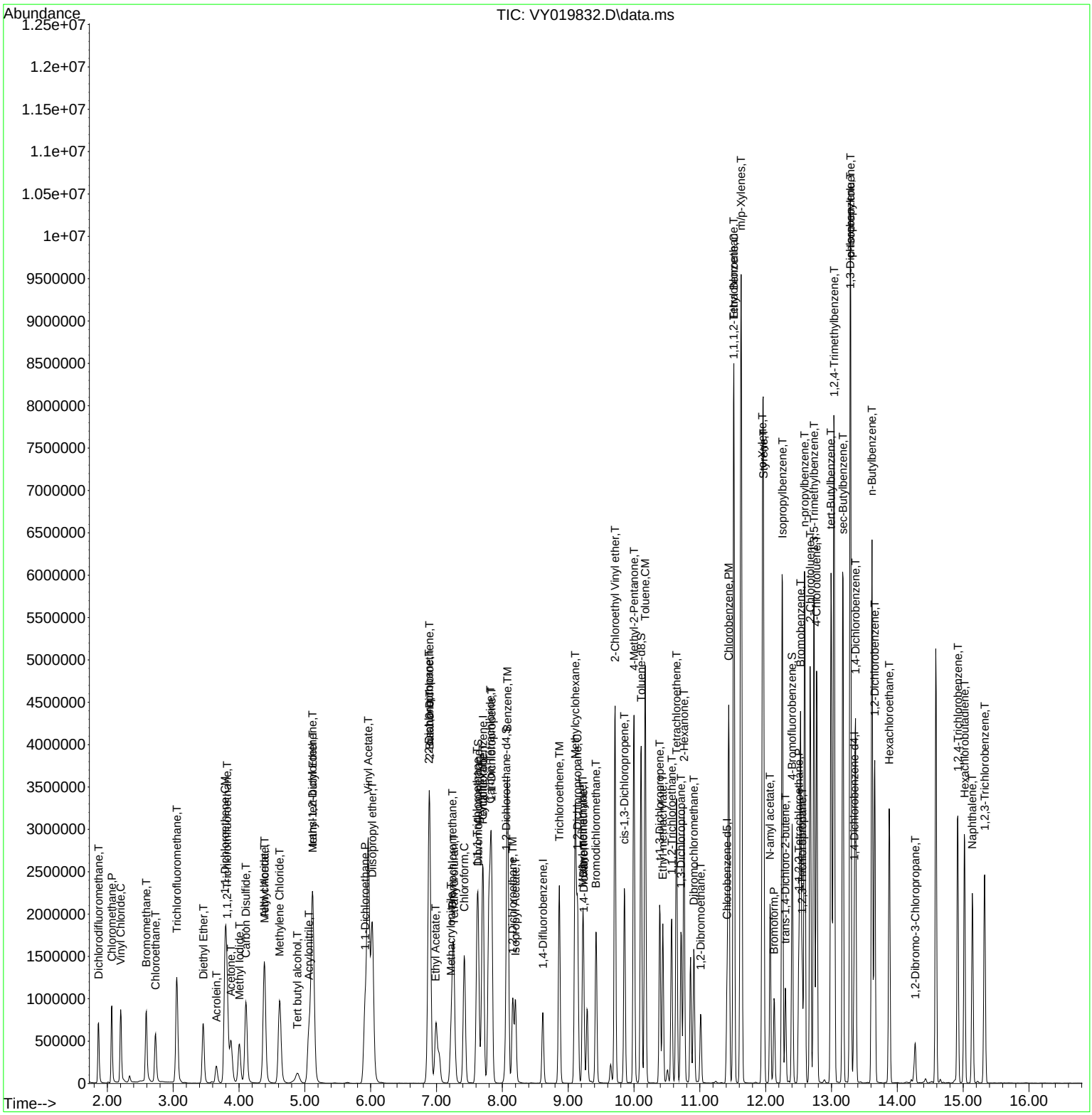
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019832.D
Acq On : 09 Oct 2024 12:11
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 10 05:19:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	430698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	723884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	604297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	285838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	233998	44.124	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 88.240%			
35) Dibromofluoromethane	7.634	113	228064	47.744	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.480%			
50) Toluene-d8	10.103	98	855648	48.506	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.020%			
62) 4-Bromofluorobenzene	12.401	95	297494	46.674	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 93.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	211482	52.746	ug/l	100
3) Chloromethane	2.074	50	267731	51.305	ug/l	98
4) Vinyl Chloride	2.208	62	302525	52.682	ug/l	99
5) Bromomethane	2.598	94	188629	51.896	ug/l	99
6) Chloroethane	2.738	64	194374	50.385	ug/l	92
7) Trichlorofluoromethane	3.062	101	443589	51.914	ug/l	99
8) Diethyl Ether	3.458	74	129997	50.058	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	257043	51.717	ug/l	100
10) Methyl Iodide	4.007	142	265733	52.864	ug/l	98
11) Tert butyl alcohol	4.866	59	97246	224.555	ug/l	100
12) 1,1-Dichloroethene	3.793	96	241587	52.286	ug/l	97
13) Acrolein	3.653	56	96920	248.720	ug/l	99
14) Allyl chloride	4.391	41	428800	51.434	ug/l	99
15) Acrylonitrile	5.067	53	282187	237.568	ug/l	100
16) Acetone	3.872	43	324300	234.915	ug/l	99
17) Carbon Disulfide	4.110	76	676399	54.615	ug/l	99
18) Methyl Acetate	4.385	43	140374	47.203	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	649655	48.940	ug/l	96
20) Methylene Chloride	4.622	84	260836	46.817	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	259294	51.561	ug/l	96
22) Diisopropyl ether	6.018	45	902486	49.699	ug/l	98
23) Vinyl Acetate	5.964	43	2572778	247.138	ug/l	99
24) 1,1-Dichloroethane	5.915	63	509324	50.457	ug/l	99
25) 2-Butanone	6.896	43	425540	230.290	ug/l	99
26) 2,2-Dichloropropane	6.884	77	463783	51.590	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	314625	50.626	ug/l	99
28) Bromochloromethane	7.244	49	205401	46.231	ug/l	99
29) Tetrahydrofuran	7.262	42	245375	232.566	ug/l	99
30) Chloroform	7.421	83	518647	50.403	ug/l	97
31) Cyclohexane	7.701	56	438371	49.472	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	466878	51.773	ug/l	100
36) 1,1-Dichloropropene	7.835	75	373449	54.265	ug/l	99
37) Ethyl Acetate	6.988	43	176947	49.310	ug/l	100
38) Carbon Tetrachloride	7.817	117	405617	54.980	ug/l	96
39) Methylcyclohexane	9.109	83	466748	53.828	ug/l	99
40) Benzene	8.079	78	1094650	52.558	ug/l	97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	90045	46.363	ug/l	#	86
42) 1,2-Dichloroethane	8.158	62	303059	50.649	ug/l		99
43) Isopropyl Acetate	8.195	43	360757	49.295	ug/l		100
44) Trichloroethene	8.865	130	268143	53.156	ug/l		98
45) 1,2-Dichloropropane	9.140	63	266447	51.112	ug/l		99
46) Dibromomethane	9.231	93	142048	49.874	ug/l		100
47) Bromodichloromethane	9.420	83	389060	51.464	ug/l		99
48) Methyl methacrylate	9.219	41	168043	52.201	ug/l		97
49) 1,4-Dioxane	9.231	88	29492	925.169	ug/l		90
51) 4-Methyl-2-Pentanone	9.999	43	913222	244.646	ug/l		100
52) Toluene	10.170	92	688634	52.969	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	350338	51.505	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	414888	51.692	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	188507	50.235	ug/l		98
56) Ethyl methacrylate	10.438	69	277264	51.494	ug/l		99
57) 1,3-Dichloropropane	10.719	76	327837	49.749	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	593052	236.595	ug/l		99
59) 2-Hexanone	10.755	43	658677	247.056	ug/l		99
60) Dibromochloromethane	10.908	129	242202	50.287	ug/l		99
61) 1,2-Dibromoethane	11.011	107	165931	48.934	ug/l		99
64) Tetrachloroethene	10.646	164	224993	52.345	ug/l		99
65) Chlorobenzene	11.438	112	731619	52.932	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	246451	52.701	ug/l		99
67) Ethyl Benzene	11.517	91	1358983	54.126	ug/l		99
68) m/p-Xylenes	11.627	106	998713	107.703	ug/l		100
69) o-Xylene	11.950	106	475544	53.376	ug/l		100
70) Styrene	11.969	104	798999	53.155	ug/l		100
71) Bromoform	12.133	173	129999	51.929	ug/l	#	99
73) Isopropylbenzene	12.255	105	1291391	53.712	ug/l		100
74) N-amyl acetate	12.066	43	333199	52.325	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	213934	50.077	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	147134m	49.434	ug/l		
77) Bromobenzene	12.529	156	266033	52.143	ug/l		99
78) n-propylbenzene	12.590	91	1580208	54.394	ug/l		100
79) 2-Chlorotoluene	12.676	91	884605	53.113	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1042089	53.670	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	72989	52.613	ug/l		97
82) 4-Chlorotoluene	12.773	91	904186	53.095	ug/l		99
83) tert-Butylbenzene	12.993	119	928800	53.397	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	1023548	53.170	ug/l		100
85) sec-Butylbenzene	13.176	105	1396101	53.720	ug/l		100
86) p-Isopropyltoluene	13.285	119	1126019	53.357	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	533804	51.809	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	518316	51.207	ug/l		100
89) n-Butylbenzene	13.615	91	1122433	54.470	ug/l		100
90) Hexachloroethane	13.877	117	224415	54.612	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	465022	51.366	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	33414	49.008	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	269549	53.099	ug/l		99
94) Hexachlorobutadiene	15.023	225	148493	52.615	ug/l		100
95) Naphthalene	15.139	128	506717	52.925	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	224718	52.368	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 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

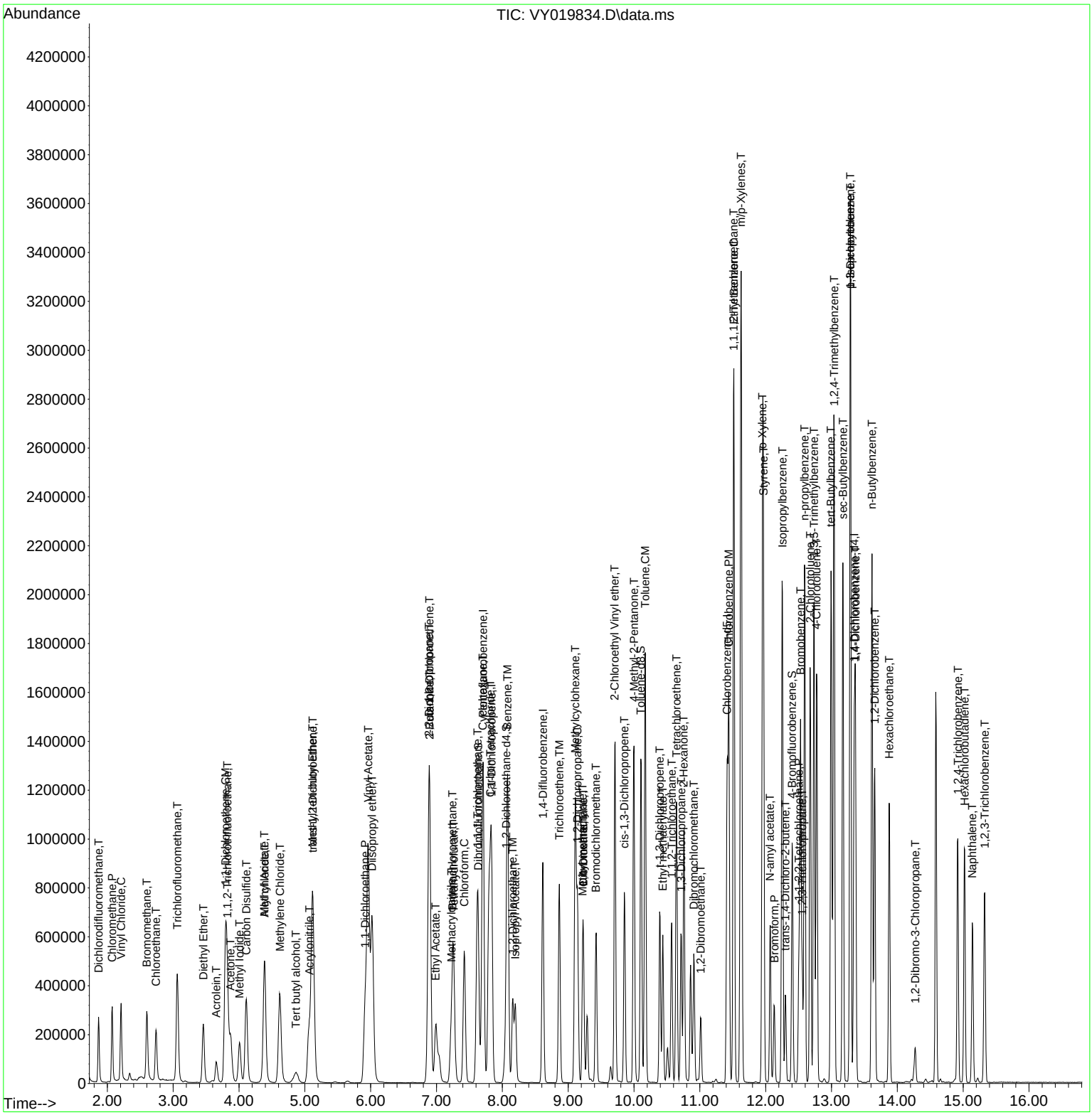
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 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	114	0.00
2	T	Dichlorodifluoromethane	0.465	0.491	-5.6	123	0.00
3	P	Chloromethane	0.606	0.622	-2.6	115	0.00
4	C	Vinyl Chloride	0.667	0.702	-5.2#	117	0.00
5	T	Bromomethane	0.422	0.438	-3.8	116	0.00
6	T	Chloroethane	0.448	0.451	-0.7	113	0.00
7	T	Trichlorofluoromethane	0.992	1.030	-3.8	118	0.00
8	T	Diethyl Ether	0.301	0.302	-0.3	110	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.577	0.597	-3.5	117	0.00
10	T	Methyl Iodide	0.584	0.617	-5.7	111	0.00
11	T	Tert butyl alcohol	0.058	0.045	22.4	103	0.01
12	CM	1,1-Dichloroethene	0.536	0.561	-4.7#	117	0.00
13	T	Acrolein	0.045	0.045	0.0	129	0.00
14	T	Allyl chloride	0.968	0.996	-2.9	113	0.00
15	T	Acrylonitrile	0.138	0.131	5.1	105	0.01
16	T	Acetone	0.160	0.151	5.6	101	0.00
17	T	Carbon Disulfide	1.438	1.570	-9.2	116	0.00
18	T	Methyl Acetate	0.345	0.326	5.5	106	0.00
19	T	Methyl tert-butyl Ether	1.541	1.508	2.1	110	0.00
20	T	Methylene Chloride	0.647	0.606	6.3	112	0.00
21	T	trans-1,2-Dichloroethene	0.584	0.602	-3.1	114	0.00
22	T	Diisopropyl ether	2.108	2.095	0.6	111	0.00
23	T	Vinyl Acetate	1.209	1.195	1.2	107	0.00
24	P	1,1-Dichloroethane	1.172	1.183	-0.9	113	0.00
25	T	2-Butanone	0.215	0.198	7.9	102	0.00
26	T	2,2-Dichloropropane	1.044	1.077	-3.2	118	0.00
27	T	cis-1,2-Dichloroethene	0.721	0.731	-1.4	113	0.00
28	T	Bromochloromethane	0.516	0.477	7.6	103	0.00
29	T	Tetrahydrofuran	0.122	0.114	6.6	102	0.00
30	C	Chloroform	1.195	1.204	-0.8#	112	0.00
31	T	Cyclohexane	1.029	1.018	1.1	115	0.00
32	T	1,1,1-Trichloroethane	1.047	1.084	-3.5	116	0.00
33	S	1,2-Dichloroethane-d4	0.616	0.543	11.9	107	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	111	0.00
35	S	Dibromofluoromethane	0.330	0.315	4.5	109	0.00
36	T	1,1-Dichloropropene	0.475	0.516	-8.6	115	0.00
37	T	Ethyl Acetate	0.248	0.244	1.6	105	0.00
38	T	Carbon Tetrachloride	0.510	0.560	-9.8	118	0.00
39	T	Methylcyclohexane	0.599	0.645	-7.7	114	0.00
40	TM	Benzene	1.439	1.512	-5.1	113	0.00
41	T	Methacrylonitrile	0.134	0.124	7.5	89	0.00
42	TM	1,2-Dichloroethane	0.413	0.419	-1.5	108	0.00
43	T	Isopropyl Acetate	0.505	0.498	1.4	106	0.00
44	TM	Trichloroethene	0.348	0.370	-6.3	112	0.00
45	C	1,2-Dichloropropane	0.360	0.368	-2.2#	112	0.00
46	T	Dibromomethane	0.197	0.196	0.5	107	0.00
47	T	Bromodichloromethane	0.522	0.537	-2.9	110	0.00
48	T	Methyl methacrylate	0.222	0.232	-4.5	109	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	95	0.00
50	S	Toluene-d8	1.218	1.182	3.0	111	0.00
51	T	4-Methyl-2-Pentanone	0.258	0.252	2.3	104	0.00
52	CM	Toluene	0.898	0.951	-5.9#	112	0.00
53	T	t-1,3-Dichloropropene	0.470	0.484	-3.0	108	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.573	-3.4	110	0.00
55	T	1,1,2-Trichloroethane	0.259	0.260	-0.4	107	0.00
56	T	Ethyl methacrylate	0.372	0.383	-3.0	105	0.00
57	T	1,3-Dichloropropane	0.455	0.453	0.4	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.173	0.164	5.2	107	0.00
59	T	2-Hexanone	0.184	0.182	1.1	103	0.00
60	T	Dibromochloromethane	0.333	0.335	-0.6	108	0.00
61	T	1,2-Dibromoethane	0.234	0.229	2.1	103	0.00
62	S	4-Bromofluorobenzene	0.440	0.411	6.6	107	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.356	0.372	-4.5	109	0.00
65	PM	Chlorobenzene	1.144	1.211	-5.9	111	0.00
66	T	1,1,1,2-Tetrachloroethane	0.387	0.408	-5.4	110	0.00
67	C	Ethyl Benzene	2.077	2.249	-8.3#	112	0.00
68	T	m/p-Xylenes	0.767	0.826	-7.7	112	0.00
69	T	o-Xylene	0.737	0.787	-6.8	110	0.00
70	T	Styrene	1.244	1.322	-6.3	109	0.00
71	P	Bromoform	0.207	0.215	-3.9	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	4.206	4.518	-7.4	111	0.00
74	T	N-amyl acetate	1.114	1.166	-4.7	104	0.00
75	P	1,1,2,2-Tetrachloroethane	0.747	0.748	-0.1	103	0.00
76	T	1,2,3-Trichloropropane	0.521	0.515	1.2	107	0.00
77	T	Bromobenzene	0.892	0.931	-4.4	107	0.00
78	T	n-propylbenzene	5.082	5.528	-8.8	111	0.00
79	T	2-Chlorotoluene	2.913	3.095	-6.2	109	0.00
80	T	1,3,5-Trimethylbenzene	3.396	3.646	-7.4	110	0.00
81	T	trans-1,4-Dichloro-2-butene	0.243	0.255	-4.9	107	0.00
82	T	4-Chlorotoluene	2.979	3.163	-6.2	110	0.00
83	T	tert-Butylbenzene	3.043	3.249	-6.8	110	0.00
84	T	1,2,4-Trimethylbenzene	3.367	3.581	-6.4	109	0.00
85	T	sec-Butylbenzene	4.546	4.884	-7.4	109	0.00
86	T	p-Isopropyltoluene	3.691	3.939	-6.7	109	0.00
87	T	1,3-Dichlorobenzene	1.802	1.868	-3.7	108	0.00
88	T	1,4-Dichlorobenzene	1.771	1.813	-2.4	106	0.00
89	T	n-Butylbenzene	3.605	3.927	-8.9	108	0.00
90	T	Hexachloroethane	0.719	0.785	-9.2	112	0.00
91	T	1,2-Dichlorobenzene	1.584	1.627	-2.7	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.119	0.117	1.7	102	0.00
93	T	1,2,4-Trichlorobenzene	0.888	0.943	-6.2	103	0.00
94	T	Hexachlorobutadiene	0.494	0.520	-5.3	103	0.00
95	T	Naphthalene	1.675	1.773	-5.9	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 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	0.751	0.786	-4.7	100	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\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 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	114	0.00
2	T	Dichlorodifluoromethane	50.000	52.746	-5.5	123	0.00
3	P	Chloromethane	50.000	51.305	-2.6	115	0.00
4	C	Vinyl Chloride	50.000	52.682	-5.4#	117	0.00
5	T	Bromomethane	50.000	51.896	-3.8	116	0.00
6	T	Chloroethane	50.000	50.385	-0.8	113	0.00
7	T	Trichlorofluoromethane	50.000	51.914	-3.8	118	0.00
8	T	Diethyl Ether	50.000	50.058	-0.1	110	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.717	-3.4	117	0.00
10	T	Methyl Iodide	50.000	52.864	-5.7	111	0.00
11	T	Tert butyl alcohol	250.000	224.555	10.2	103	0.01
12	CM	1,1-Dichloroethene	50.000	52.286	-4.6#	117	0.00
13	T	Acrolein	250.000	248.720	0.5	129	0.00
14	T	Allyl chloride	50.000	51.434	-2.9	113	0.00
15	T	Acrylonitrile	250.000	237.568	5.0	105	0.01
16	T	Acetone	250.000	234.915	6.0	101	0.00
17	T	Carbon Disulfide	50.000	54.615	-9.2	116	0.00
18	T	Methyl Acetate	50.000	47.203	5.6	106	0.00
19	T	Methyl tert-butyl Ether	50.000	48.940	2.1	110	0.00
20	T	Methylene Chloride	50.000	46.817	6.4	112	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.561	-3.1	114	0.00
22	T	Diisopropyl ether	50.000	49.699	0.6	111	0.00
23	T	Vinyl Acetate	250.000	247.138	1.1	107	0.00
24	P	1,1-Dichloroethane	50.000	50.457	-0.9	113	0.00
25	T	2-Butanone	250.000	230.290	7.9	102	0.00
26	T	2,2-Dichloropropane	50.000	51.590	-3.2	118	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.626	-1.3	113	0.00
28	T	Bromochloromethane	50.000	46.231	7.5	103	0.00
29	T	Tetrahydrofuran	250.000	232.566	7.0	102	0.00
30	C	Chloroform	50.000	50.403	-0.8#	112	0.00
31	T	Cyclohexane	50.000	49.472	1.1	115	0.00
32	T	1,1,1-Trichloroethane	50.000	51.773	-3.5	116	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.124	11.8	107	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	111	0.00
35	S	Dibromofluoromethane	50.000	47.744	4.5	109	0.00
36	T	1,1-Dichloropropene	50.000	54.265	-8.5	115	0.00
37	T	Ethyl Acetate	50.000	49.310	1.4	105	0.00
38	T	Carbon Tetrachloride	50.000	54.980	-10.0	118	0.00
39	T	Methylcyclohexane	50.000	53.828	-7.7	114	0.00
40	TM	Benzene	50.000	52.558	-5.1	113	0.00
41	T	Methacrylonitrile	50.000	46.363	7.3	89	0.00
42	TM	1,2-Dichloroethane	50.000	50.649	-1.3	108	0.00
43	T	Isopropyl Acetate	50.000	49.295	1.4	106	0.00
44	TM	Trichloroethene	50.000	53.156	-6.3	112	0.00
45	C	1,2-Dichloropropane	50.000	51.112	-2.2#	112	0.00
46	T	Dibromomethane	50.000	49.874	0.3	107	0.00
47	T	Bromodichloromethane	50.000	51.464	-2.9	110	0.00
48	T	Methyl methacrylate	50.000	52.201	-4.4	109	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 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	925.169	7.5	95	0.00
50	S	Toluene-d8	50.000	48.506	3.0	111	0.00
51	T	4-Methyl-2-Pentanone	250.000	244.646	2.1	104	0.00
52	CM	Toluene	50.000	52.969	-5.9#	112	0.00
53	T	t-1,3-Dichloropropene	50.000	51.505	-3.0	108	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.692	-3.4	110	0.00
55	T	1,1,2-Trichloroethane	50.000	50.235	-0.5	107	0.00
56	T	Ethyl methacrylate	50.000	51.494	-3.0	105	0.00
57	T	1,3-Dichloropropane	50.000	49.749	0.5	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	236.595	5.4	107	0.00
59	T	2-Hexanone	250.000	247.056	1.2	103	0.00
60	T	Dibromochloromethane	50.000	50.287	-0.6	108	0.00
61	T	1,2-Dibromoethane	50.000	48.934	2.1	103	0.00
62	S	4-Bromofluorobenzene	50.000	46.674	6.7	107	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	52.345	-4.7	109	0.00
65	PM	Chlorobenzene	50.000	52.932	-5.9	111	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.701	-5.4	110	0.00
67	C	Ethyl Benzene	50.000	54.126	-8.3#	112	0.00
68	T	m/p-Xylenes	100.000	107.703	-7.7	112	0.00
69	T	o-Xylene	50.000	53.376	-6.8	110	0.00
70	T	Styrene	50.000	53.155	-6.3	109	0.00
71	P	Bromoform	50.000	51.929	-3.9	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	53.712	-7.4	111	0.00
74	T	N-amyl acetate	50.000	52.325	-4.7	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.077	-0.2	103	0.00
76	T	1,2,3-Trichloropropane	50.000	49.434	1.1	107	0.00
77	T	Bromobenzene	50.000	52.143	-4.3	107	0.00
78	T	n-propylbenzene	50.000	54.394	-8.8	111	0.00
79	T	2-Chlorotoluene	50.000	53.113	-6.2	109	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.670	-7.3	110	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.613	-5.2	107	0.00
82	T	4-Chlorotoluene	50.000	53.095	-6.2	110	0.00
83	T	tert-Butylbenzene	50.000	53.397	-6.8	110	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.170	-6.3	109	0.00
85	T	sec-Butylbenzene	50.000	53.720	-7.4	109	0.00
86	T	p-Isopropyltoluene	50.000	53.357	-6.7	109	0.00
87	T	1,3-Dichlorobenzene	50.000	51.809	-3.6	108	0.00
88	T	1,4-Dichlorobenzene	50.000	51.207	-2.4	106	0.00
89	T	n-Butylbenzene	50.000	54.470	-8.9	108	0.00
90	T	Hexachloroethane	50.000	54.612	-9.2	112	0.00
91	T	1,2-Dichlorobenzene	50.000	51.366	-2.7	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.008	2.0	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.099	-6.2	103	0.00
94	T	Hexachlorobutadiene	50.000	52.615	-5.2	103	0.00
95	T	Naphthalene	50.000	52.925	-5.8	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.368	-4.7	100	0.00

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

Raw Data: **VY020049.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P4595 SAS No.: P4595 SDG No.: P4595

Instrument ID: MSVOA_Y Calibration Date/Time: 10/29/2024 09:31

Lab File ID: VY020049.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.465	0.383		-17.63	20
Chloromethane	0.606	0.593	0.1	-2.14	20
Vinyl Chloride	0.667	0.694		4.05	20
Bromomethane	0.422	0.450		6.64	20
Chloroethane	0.448	0.501		11.83	20
Trichlorofluoromethane	0.992	1.025		3.33	20
1,1,2-Trichlorotrifluoroethane	0.577	0.614		6.41	20
1,1-Dichloroethene	0.536	0.519		-3.17	20
Acetone	0.160	0.195		21.88	20
Carbon Disulfide	1.438	1.194		-16.97	20
Methyl tert-butyl Ether	1.541	1.647		6.88	20
Methyl Acetate	0.345	0.400		15.94	20
Methylene Chloride	0.647	0.645		-0.31	20
trans-1,2-Dichloroethene	0.584	0.597		2.23	20
1,1-Dichloroethane	1.172	1.365	0.1	16.47	20
Cyclohexane	1.029	1.013		-1.55	20
2-Butanone	0.215	0.246		14.42	20
Carbon Tetrachloride	0.510	0.585		14.71	20
cis-1,2-Dichloroethene	0.721	0.800		10.96	20
Bromochloromethane	0.516	0.579		12.21	20
Chloroform	1.195	1.405		17.57	20
1,1,1-Trichloroethane	1.047	1.210		15.57	20
Methylcyclohexane	0.599	0.611		2	20
Benzene	1.439	1.633		13.48	20
1,2-Dichloroethane	0.413	0.464		12.35	20
Trichloroethene	0.348	0.373		7.18	20
1,2-Dichloropropane	0.360	0.422		17.22	20
Bromodichloromethane	0.522	0.617		18.2	20
4-Methyl-2-Pentanone	0.258	0.299		15.89	20
Toluene	0.898	1.046		16.48	20
t-1,3-Dichloropropene	0.470	0.538		14.47	20
cis-1,3-Dichloropropene	0.554	0.628		13.36	20
1,1,2-Trichloroethane	0.259	0.297		14.67	20
2-Hexanone	0.184	0.220		19.57	20
Dibromochloromethane	0.333	0.380		14.11	20
1,2-Dibromoethane	0.234	0.255		8.97	20
Tetrachloroethene	0.356	0.365		2.53	20
Chlorobenzene	1.144	1.294	0.3	13.11	20

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P4595 SAS No.: P4595 SDG No.: P4595

Instrument ID: MSVOA_Y Calibration Date/Time: 10/29/2024 09:31

Lab File ID: VY020049.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.077	2.430		17	20
m/p-Xylenes	0.767	0.886		15.52	20
o-Xylene	0.737	0.853		15.74	20
Styrene	1.244	1.454		16.88	20
Bromoform	0.207	0.236	0.1	14.01	20
Isopropylbenzene	4.206	4.808		14.31	20
1,1,2,2-Tetrachloroethane	0.747	0.845	0.3	13.12	20
1,3-Dichlorobenzene	1.802	1.973		9.49	20
1,4-Dichlorobenzene	1.771	1.931		9.03	20
1,2-Dichlorobenzene	1.584	1.731		9.28	20
1,2-Dibromo-3-Chloropropane	0.119	0.125		5.04	20
1,2,4-Trichlorobenzene	0.888	0.903		1.69	20
1,2,3-Trichlorobenzene	0.751	0.754		0.4	20
1,2-Dichloroethane-d4	0.616	0.598		-2.92	20
Dibromofluoromethane	0.330	0.325		-1.51	20
Toluene-d8	1.218	1.184		-2.79	20
4-Bromofluorobenzene	0.440	0.424		-3.64	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\VY102924\
Data File : VY020049.D
Acq On : 29 Oct 2024 09:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 30 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	196359	50.000	ug/l	#	0.01
34) 1,4-Difluorobenzene	8.622	114	345491	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	298572	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	148124	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	117432	48.571	ug/l		0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.140%				
35) Dibromofluoromethane	7.646	113	112322	49.267	ug/l		0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.540%				
50) Toluene-d8	10.115	98	409200	48.603	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.200%				
62) 4-Bromofluorobenzene	12.407	95	146620	48.197	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	75203	41.141	ug/l		99
3) Chloromethane	2.080	50	116367	48.912	ug/l		97
4) Vinyl Chloride	2.214	62	136332	52.074	ug/l		100
5) Bromomethane	2.604	94	88273	53.269	ug/l		99
6) Chloroethane	2.751	64	98416	55.956	ug/l		99
7) Trichlorofluoromethane	3.074	101	201278	51.668	ug/l		99
8) Diethyl Ether	3.464	74	59632	50.366	ug/l		76
9) 1,1,2-Trichlorotrifluo...	3.836	101	120594	53.220	ug/l		91
10) Methyl Iodide	4.019	142	108215	47.219	ug/l		91
11) Tert butyl alcohol	4.866	59	46612	237.055	ug/l	#	85
12) 1,1-Dichloroethene	3.805	96	102003	48.422	ug/l	#	82
13) Acrolein	3.671	56	17883	100.661	ug/l		98
14) Allyl chloride	4.397	41	207375	54.560	ug/l	#	89
15) Acrylonitrile	5.073	53	151512	279.782	ug/l		98
16) Acetone	3.885	43	191501	304.268	ug/l	#	83
17) Carbon Disulfide	4.122	76	234437	41.520	ug/l		100
18) Methyl Acetate	4.403	43	78553	57.939	ug/l		89
19) Methyl tert-butyl Ether	5.128	73	323372	53.433	ug/l		92
20) Methylene Chloride	4.634	84	126707	54.559	ug/l	#	79
21) trans-1,2-Dichloroethene	5.128	96	117189	51.114	ug/l	#	79
22) Diisopropyl ether	6.031	45	492070	59.436	ug/l	#	89
23) Vinyl Acetate	5.976	43	1326335	279.455	ug/l	#	89
24) 1,1-Dichloroethane	5.927	63	268044	58.244	ug/l		96
25) 2-Butanone	6.902	43	241718	286.924	ug/l	#	84
26) 2,2-Dichloropropane	6.896	77	231206	56.413	ug/l		93
27) cis-1,2-Dichloroethene	6.902	96	157026	55.421	ug/l		82
28) Bromochloromethane	7.256	49	113629	56.097	ug/l	#	70
29) Tetrahydrofuran	7.268	42	132282	275.004	ug/l	#	81
30) Chloroform	7.427	83	275893	58.810	ug/l		96
31) Cyclohexane	7.713	56	198971	49.253	ug/l		89
32) 1,1,1-Trichloroethane	7.628	97	237689	57.814	ug/l	#	94
36) 1,1-Dichloropropene	7.847	75	184141	56.063	ug/l		93
37) Ethyl Acetate	6.994	43	92941	54.266	ug/l		97
38) Carbon Tetrachloride	7.829	117	202199	57.424	ug/l		98
39) Methylcyclohexane	9.115	83	211040	50.994	ug/l	#	85
40) Benzene	8.091	78	564030	56.742	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020049.D
Acq On : 29 Oct 2024 09:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 30 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	60021	64.751	ug/l	#	81
42) 1,2-Dichloroethane	8.164	62	160225	56.106	ug/l		94
43) Isopropyl Acetate	8.201	43	190539	54.551	ug/l	#	77
44) Trichloroethene	8.871	130	128774	53.487	ug/l		86
45) 1,2-Dichloropropane	9.146	63	145854	58.622	ug/l		98
46) Dibromomethane	9.237	93	75044	55.206	ug/l		90
47) Bromodichloromethane	9.426	83	213312	59.120	ug/l	#	99
48) Methyl methacrylate	9.225	41	87758	57.118	ug/l	#	79
49) 1,4-Dioxane	9.237	88	15865	1042.772	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.005	43	517008	290.196	ug/l		88
52) Toluene	10.176	92	361431	58.250	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	185993	57.291	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	216901	56.622	ug/l	#	83
55) 1,1,2-Trichloroethane	10.579	97	102661	57.322	ug/l		94
56) Ethyl methacrylate	10.444	69	143217	55.730	ug/l	#	72
57) 1,3-Dichloropropane	10.719	76	180373	57.349	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	344949	288.337	ug/l		92
59) 2-Hexanone	10.768	43	380047	298.670	ug/l		86
60) Dibromochloromethane	10.914	129	131374	57.151	ug/l		99
61) 1,2-Dibromoethane	11.017	107	88152	54.469	ug/l		99
64) Tetrachloroethene	10.652	164	108872	51.265	ug/l		94
65) Chlorobenzene	11.444	112	386485	56.594	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	132456	57.328	ug/l		100
67) Ethyl Benzene	11.523	91	725459	58.480	ug/l		100
68) m/p-Xylenes	11.633	106	529250	115.518	ug/l		92
69) o-Xylene	11.956	106	254636	57.846	ug/l		93
70) Styrene	11.975	104	434060	58.446	ug/l		96
71) Bromoform	12.133	173	70493	56.992	ug/l	#	95
73) Isopropylbenzene	12.261	105	712234	57.165	ug/l		97
74) N-amyl acetate	12.072	43	173487	52.573	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.511	83	125155	56.533	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	81923m	28.232	ug/l		
77) Bromobenzene	12.535	156	138912	52.541	ug/l		82
78) n-propylbenzene	12.596	91	876003	58.188	ug/l		97
79) 2-Chlorotoluene	12.682	91	479863	55.599	ug/l		94
80) 1,3,5-Trimethylbenzene	12.737	105	564000	56.053	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	38807	53.981	ug/l	#	84
82) 4-Chlorotoluene	12.779	91	491731	55.721	ug/l		94
83) tert-Butylbenzene	12.999	119	500024	55.473	ug/l		94
84) 1,2,4-Trimethylbenzene	13.048	105	552173	55.351	ug/l		98
85) sec-Butylbenzene	13.182	105	781384	58.020	ug/l		97
86) p-Isopropyltoluene	13.298	119	624312	57.088	ug/l		95
87) 1,3-Dichlorobenzene	13.291	146	292248	54.736	ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	286010	54.527	ug/l		97
89) n-Butylbenzene	13.621	91	626694	58.688	ug/l		98
90) Hexachloroethane	13.883	117	123924	58.195	ug/l		85
91) 1,2-Dichlorobenzene	13.663	146	256423	54.658	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	18449	52.217	ug/l		75
93) 1,2,4-Trichlorobenzene	14.925	180	133684	50.819	ug/l		97
94) Hexachlorobutadiene	15.029	225	73708	50.398	ug/l		98
95) Naphthalene	15.151	128	253242	51.042	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	111645	50.206	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020049.D
Acq On : 29 Oct 2024 09:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

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

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

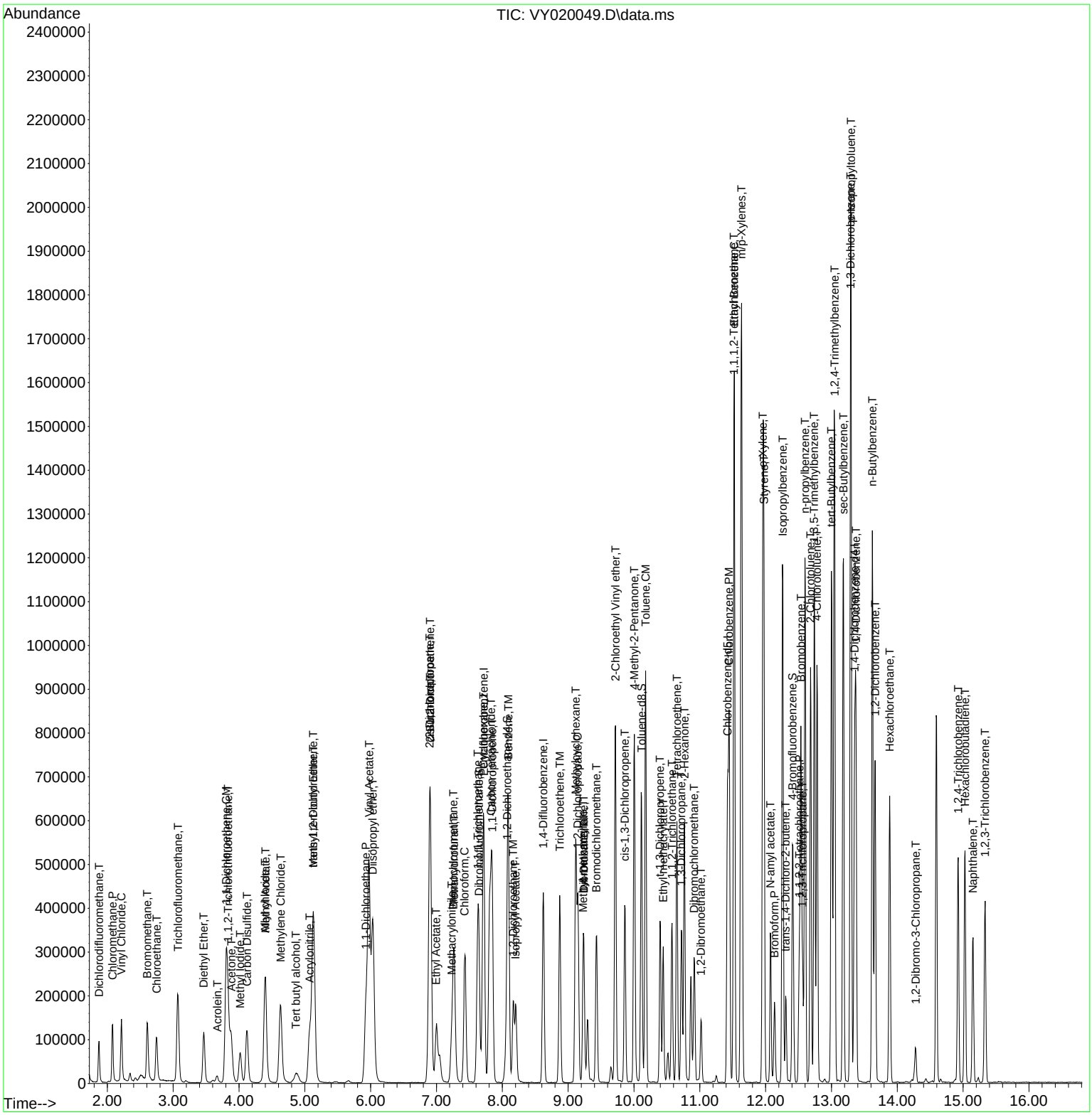
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020049.D
Acq On : 29 Oct 2024 09:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 30 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



Sample Results: **VY020049.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020049.D
Acq On : 29 Oct 2024 09:31
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: Oct 30 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 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	52	0.01
2	T	Dichlorodifluoromethane	0.465	0.383	17.6	44#	0.00
3	P	Chloromethane	0.606	0.593	2.1	50	0.01
4	C	Vinyl Chloride	0.667	0.694	-4.0#	53	0.00
5	T	Bromomethane	0.422	0.450	-6.6	54	0.00
6	T	Chloroethane	0.448	0.501	-11.8	57	0.01
7	T	Trichlorofluoromethane	0.992	1.025	-3.3	53	0.01
8	T	Diethyl Ether	0.301	0.304	-1.0	50	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.577	0.614	-6.4	55	0.02
10	T	Methyl Iodide	0.584	0.551	5.7	45#	0.01
11	T	Tert butyl alcohol	0.058	0.047	19.0	49#	0.00
12	CM	1,1-Dichloroethene	0.536	0.519	3.2#	49#	0.02
13	T	Acrolein	0.045	0.018	60.0#	24#	0.02
14	T	Allyl chloride	0.968	1.056	-9.1	54	0.01
15	T	Acrylonitrile	0.138	0.154	-11.6	56	0.02
16	T	Acetone	0.160	0.195	-21.9	60	0.01
17	T	Carbon Disulfide	1.438	1.194	17.0	40#	0.02
18	T	Methyl Acetate	0.345	0.400	-15.9	60	0.02
19	T	Methyl tert-butyl Ether	1.541	1.647	-6.9	55	0.01
20	T	Methylene Chloride	0.647	0.645	0.3	54	0.02
21	T	trans-1,2-Dichloroethene	0.584	0.597	-2.2	51	0.02
22	T	Diisopropyl ether	2.108	2.506	-18.9	60	0.01
23	T	Vinyl Acetate	1.209	1.351	-11.7	55	0.02
24	P	1,1-Dichloroethane	1.172	1.365	-16.5	59	0.01
25	T	2-Butanone	0.215	0.246	-14.4	58	0.01
26	T	2,2-Dichloropropane	1.044	1.177	-12.7	59	0.01
27	T	cis-1,2-Dichloroethene	0.721	0.800	-11.0	56	0.01
28	T	Bromochloromethane	0.516	0.579	-12.2	57	0.01
29	T	Tetrahydrofuran	0.122	0.135	-10.7	55	0.00
30	C	Chloroform	1.195	1.405	-17.6#	60	0.00
31	T	Cyclohexane	1.029	1.013	1.6	52	0.01
32	T	1,1,1-Trichloroethane	1.047	1.210	-15.6	59	0.01
33	S	1,2-Dichloroethane-d4	0.616	0.598	2.9	54	0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	53	0.00
35	S	Dibromofluoromethane	0.330	0.325	1.5	54	0.01
36	T	1,1-Dichloropropene	0.475	0.533	-12.2	57	0.01
37	T	Ethyl Acetate	0.248	0.269	-8.5	55	0.01
38	T	Carbon Tetrachloride	0.510	0.585	-14.7	59	0.01
39	T	Methylcyclohexane	0.599	0.611	-2.0	51	0.00
40	TM	Benzene	1.439	1.633	-13.5	58	0.01
41	T	Methacrylonitrile	0.134	0.174	-29.9#	59	0.01
42	TM	1,2-Dichloroethane	0.413	0.464	-12.3	57	0.00
43	T	Isopropyl Acetate	0.505	0.552	-9.3	56	0.00
44	TM	Trichloroethene	0.348	0.373	-7.2	54	0.00
45	C	1,2-Dichloropropane	0.360	0.422	-17.2#	61	0.00
46	T	Dibromomethane	0.197	0.217	-10.2	57	0.00
47	T	Bromodichloromethane	0.522	0.617	-18.2	60	0.00
48	T	Methyl methacrylate	0.222	0.254	-14.4	57	0.00

Sample Results: **VY020049.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020049.D
Acq On : 29 Oct 2024 09:31
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: Oct 30 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	51	0.00
50	S	Toluene-d8	1.218	1.184	2.8	53	0.00
51	T	4-Methyl-2-Pentanone	0.258	0.299	-15.9	59	0.00
52	CM	Toluene	0.898	1.046	-16.5#	59	0.00
53	T	t-1,3-Dichloropropene	0.470	0.538	-14.5	57	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.628	-13.4	57	0.00
55	T	1,1,2-Trichloroethane	0.259	0.297	-14.7	59	0.00
56	T	Ethyl methacrylate	0.372	0.415	-11.6	54	0.00
57	T	1,3-Dichloropropane	0.455	0.522	-14.7	58	0.00
58	T	2-Chloroethyl Vinyl ether	0.173	0.200	-15.6	62	0.00
59	T	2-Hexanone	0.184	0.220	-19.6	59	0.00
60	T	Dibromochloromethane	0.333	0.380	-14.1	59	0.00
61	T	1,2-Dibromoethane	0.234	0.255	-9.0	55	0.00
62	S	4-Bromofluorobenzene	0.440	0.424	3.6	53	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	53	0.00
64	T	Tetrachloroethene	0.356	0.365	-2.5	53	0.00
65	PM	Chlorobenzene	1.144	1.294	-13.1	59	0.00
66	T	1,1,1,2-Tetrachloroethane	0.387	0.444	-14.7	59	0.00
67	C	Ethyl Benzene	2.077	2.430	-17.0#	60	0.00
68	T	m/p-Xylenes	0.767	0.886	-15.5	59	0.00
69	T	o-Xylene	0.737	0.853	-15.7	59	0.00
70	T	Styrene	1.244	1.454	-16.9	59	0.00
71	P	Bromoform	0.207	0.236	-14.0	57	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	54	0.00
73	T	Isopropylbenzene	4.206	4.808	-14.3	61	0.00
74	T	N-amyl acetate	1.114	1.171	-5.1	54	0.00
75	P	1,1,2,2-Tetrachloroethane	0.747	0.845	-13.1	60	0.00
76	T	1,2,3-Trichloropropane	0.979	0.553	43.5#	30#	0.00
77	T	Bromobenzene	0.892	0.938	-5.2	56	0.00
78	T	n-propylbenzene	5.082	5.914	-16.4	62	0.00
79	T	2-Chlorotoluene	2.913	3.240	-11.2	59	0.00
80	T	1,3,5-Trimethylbenzene	3.396	3.808	-12.1	60	0.00
81	T	trans-1,4-Dichloro-2-butene	0.243	0.262	-7.8	57	0.00
82	T	4-Chlorotoluene	2.979	3.320	-11.4	60	0.00
83	T	tert-Butylbenzene	3.043	3.376	-10.9	59	0.00
84	T	1,2,4-Trimethylbenzene	3.367	3.728	-10.7	59	0.00
85	T	sec-Butylbenzene	4.546	5.275	-16.0	61	0.00
86	T	p-Isopropyltoluene	3.691	4.215	-14.2	60	0.00
87	T	1,3-Dichlorobenzene	1.802	1.973	-9.5	59	0.00
88	T	1,4-Dichlorobenzene	1.771	1.931	-9.0	58	0.00
89	T	n-Butylbenzene	3.605	4.231	-17.4	60	0.00
90	T	Hexachloroethane	0.719	0.837	-16.4	62	0.00
91	T	1,2-Dichlorobenzene	1.584	1.731	-9.3	58	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.119	0.125	-5.0	56	0.00
93	T	1,2,4-Trichlorobenzene	0.888	0.903	-1.7	51	0.00
94	T	Hexachlorobutadiene	0.494	0.498	-0.8	51	0.00
95	T	Naphthalene	1.675	1.710	-2.1	50	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020049.D
Acq On : 29 Oct 2024 09:31
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: Oct 30 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 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	0.751	0.754	-0.4	50#	0.00

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

Sample Results: **VY020049.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020049.D
Acq On : 29 Oct 2024 09:31
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: Oct 30 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 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	52	0.01
2	T	Dichlorodifluoromethane	50.000	41.141	17.7	44	0.00
3	P	Chloromethane	50.000	48.912	2.2	50	0.01
4	C	Vinyl Chloride	50.000	52.074	-4.1#	53	0.00
5	T	Bromomethane	50.000	53.269	-6.5	54	0.00
6	T	Chloroethane	50.000	55.956	-11.9	57	0.01
7	T	Trichlorofluoromethane	50.000	51.668	-3.3	53	0.01
8	T	Diethyl Ether	50.000	50.366	-0.7	50	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.220	-6.4	55	0.02
10	T	Methyl Iodide	50.000	47.219	5.6	45	0.01
11	T	Tert butyl alcohol	250.000	237.055	5.2	49	0.00
12	CM	1,1-Dichloroethene	50.000	48.422	3.2#	49	0.02
13	T	Acrolein	250.000	100.661	59.7#	24	0.02
14	T	Allyl chloride	50.000	54.560	-9.1	54	0.01
15	T	Acrylonitrile	250.000	279.782	-11.9	56	0.02
16	T	Acetone	250.000	304.268	-21.7	60	0.01
17	T	Carbon Disulfide	50.000	41.520	17.0	40	0.02
18	T	Methyl Acetate	50.000	57.939	-15.9	60	0.02
19	T	Methyl tert-butyl Ether	50.000	53.433	-6.9	55	0.01
20	T	Methylene Chloride	50.000	54.559	-9.1	54	0.02
21	T	trans-1,2-Dichloroethene	50.000	51.114	-2.2	51	0.02
22	T	Diisopropyl ether	50.000	59.436	-18.9	60	0.01
23	T	Vinyl Acetate	250.000	279.455	-11.8	55	0.02
24	P	1,1-Dichloroethane	50.000	58.244	-16.5	59	0.01
25	T	2-Butanone	250.000	286.924	-14.8	58	0.01
26	T	2,2-Dichloropropane	50.000	56.413	-12.8	59	0.01
27	T	cis-1,2-Dichloroethene	50.000	55.421	-10.8	56	0.01
28	T	Bromochloromethane	50.000	56.097	-12.2	57	0.01
29	T	Tetrahydrofuran	250.000	275.004	-10.0	55	0.00
30	C	Chloroform	50.000	58.810	-17.6#	60	0.00
31	T	Cyclohexane	50.000	49.253	1.5	52	0.01
32	T	1,1,1-Trichloroethane	50.000	57.814	-15.6	59	0.01
33	S	1,2-Dichloroethane-d4	50.000	48.571	2.9	54	0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	53	0.00
35	S	Dibromofluoromethane	50.000	49.267	1.5	54	0.01
36	T	1,1-Dichloropropene	50.000	56.063	-12.1	57	0.01
37	T	Ethyl Acetate	50.000	54.266	-8.5	55	0.01
38	T	Carbon Tetrachloride	50.000	57.424	-14.8	59	0.01
39	T	Methylcyclohexane	50.000	50.994	-2.0	51	0.00
40	TM	Benzene	50.000	56.742	-13.5	58	0.01
41	T	Methacrylonitrile	50.000	64.751	-29.5#	59	0.01
42	TM	1,2-Dichloroethane	50.000	56.106	-12.2	57	0.00
43	T	Isopropyl Acetate	50.000	54.551	-9.1	56	0.00
44	TM	Trichloroethene	50.000	53.487	-7.0	54	0.00
45	C	1,2-Dichloropropane	50.000	58.622	-17.2#	61	0.00
46	T	Dibromomethane	50.000	55.206	-10.4	57	0.00
47	T	Bromodichloromethane	50.000	59.120	-18.2	60	0.00
48	T	Methyl methacrylate	50.000	57.118	-14.2	57	0.00

Sample Results: **VY020049.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020049.D
Acq On : 29 Oct 2024 09:31
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: Oct 30 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 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	1042.772	-4.3	51	0.00
50	S	Toluene-d8	50.000	48.603	2.8	53	0.00
51	T	4-Methyl-2-Pentanone	250.000	290.196	-16.1	59	0.00
52	CM	Toluene	50.000	58.250	-16.5#	59	0.00
53	T	t-1,3-Dichloropropene	50.000	57.291	-14.6	57	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.622	-13.2	57	0.00
55	T	1,1,2-Trichloroethane	50.000	57.322	-14.6	59	0.00
56	T	Ethyl methacrylate	50.000	55.730	-11.5	54	0.00
57	T	1,3-Dichloropropane	50.000	57.349	-14.7	58	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	288.337	-15.3	62	0.00
59	T	2-Hexanone	250.000	298.670	-19.5	59	0.00
60	T	Dibromochloromethane	50.000	57.151	-14.3	59	0.00
61	T	1,2-Dibromoethane	50.000	54.469	-8.9	55	0.00
62	S	4-Bromofluorobenzene	50.000	48.197	3.6	53	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	53	0.00
64	T	Tetrachloroethene	50.000	51.265	-2.5	53	0.00
65	PM	Chlorobenzene	50.000	56.594	-13.2	59	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	57.328	-14.7	59	0.00
67	C	Ethyl Benzene	50.000	58.480	-17.0#	60	0.00
68	T	m/p-Xylenes	100.000	115.518	-15.5	59	0.00
69	T	o-Xylene	50.000	57.846	-15.7	59	0.00
70	T	Styrene	50.000	58.446	-16.9	59	0.00
71	P	Bromoform	50.000	56.992	-14.0	57	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	54	0.00
73	T	Isopropylbenzene	50.000	57.165	-14.3	61	0.00
74	T	N-amyl acetate	50.000	52.573	-5.1	54	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	56.533	-13.1	60	0.00
76	T	1,2,3-Trichloropropane	50.000	28.232	43.5#	30	0.00
77	T	Bromobenzene	50.000	52.541	-5.1	56	0.00
78	T	n-propylbenzene	50.000	58.188	-16.4	62	0.00
79	T	2-Chlorotoluene	50.000	55.599	-11.2	59	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.053	-12.1	60	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.981	-8.0	57	0.00
82	T	4-Chlorotoluene	50.000	55.721	-11.4	60	0.00
83	T	tert-Butylbenzene	50.000	55.473	-10.9	59	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.351	-10.7	59	0.00
85	T	sec-Butylbenzene	50.000	58.020	-16.0	61	0.00
86	T	p-Isopropyltoluene	50.000	57.088	-14.2	60	0.00
87	T	1,3-Dichlorobenzene	50.000	54.736	-9.5	59	0.00
88	T	1,4-Dichlorobenzene	50.000	54.527	-9.1	58	0.00
89	T	n-Butylbenzene	50.000	58.688	-17.4	60	0.00
90	T	Hexachloroethane	50.000	58.195	-16.4	62	0.00
91	T	1,2-Dichlorobenzene	50.000	54.658	-9.3	58	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.217	-4.4	56	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.819	-1.6	51	0.00
94	T	Hexachlorobutadiene	50.000	50.398	-0.8	51	0.00
95	T	Naphthalene	50.000	51.042	-2.1	50	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020049.D
Acq On : 29 Oct 2024 09:31
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: Oct 30 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 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	50.206	-0.4	50	0.00

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

QC SAMPLE DATA

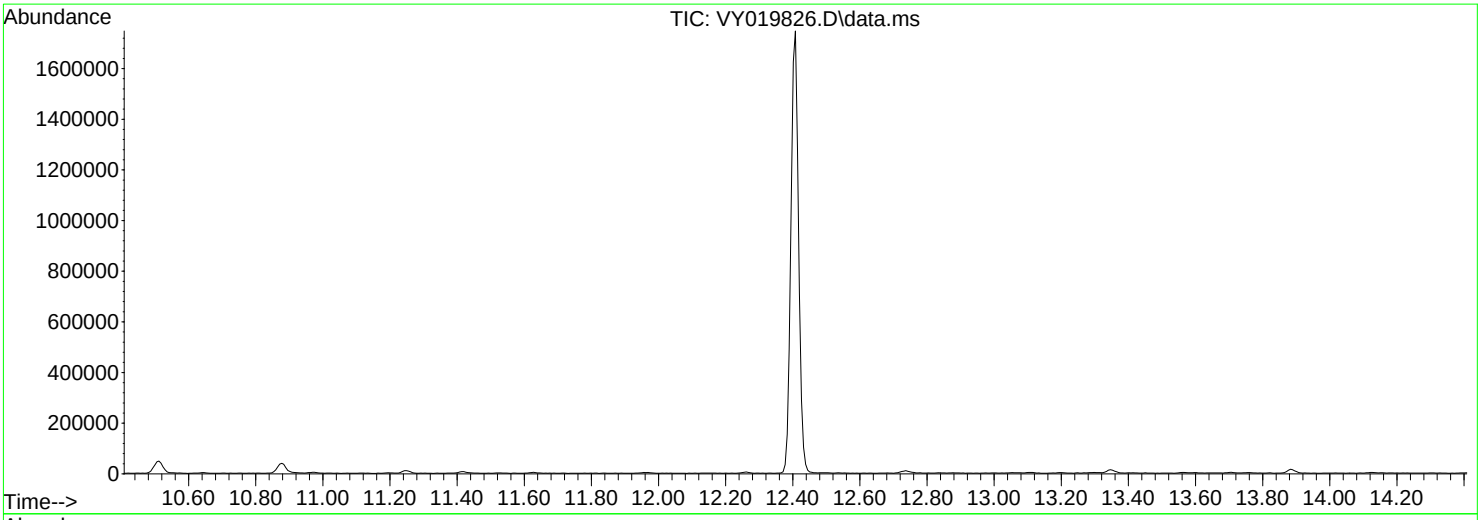
Sample Results: **VY019826.D**

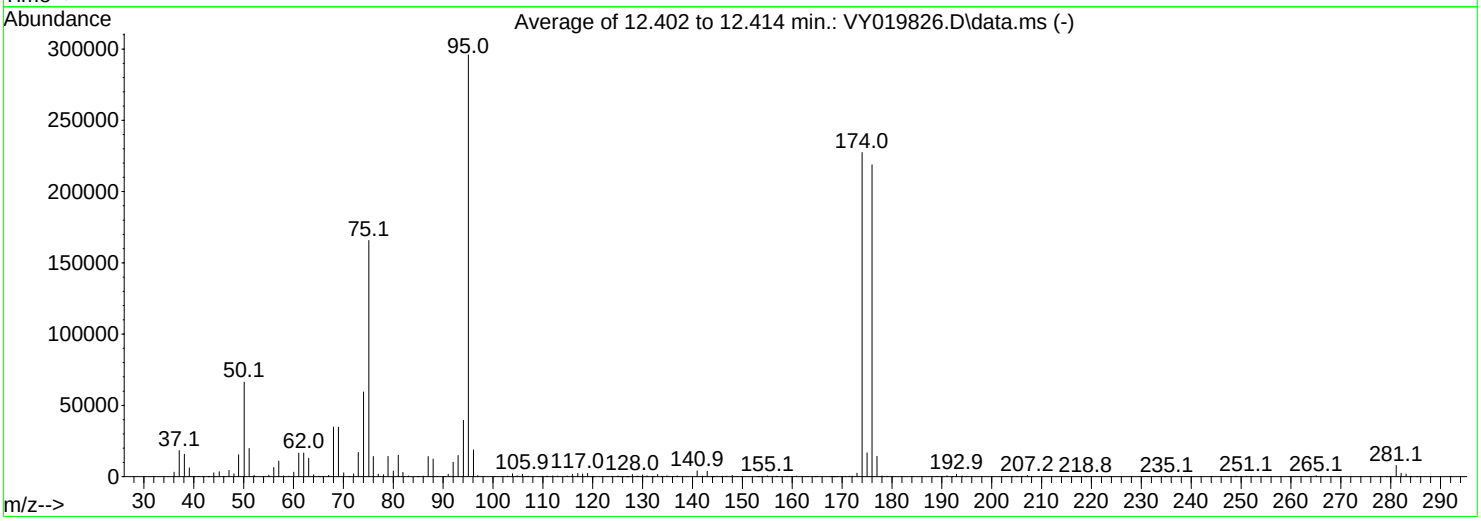
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019826.D
Acq On : 09 Oct 2024 09:33
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Title : SW846 8260
Last Update : Thu Oct 10 05:30:07 2024





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	66352	PASS
75	95	30	60	56.0	165725	PASS
95	95	100	100	100.0	295936	PASS
96	95	5	9	6.3	18775	PASS
173	174	0.00	2	1.1	2529	PASS
174	95	50	100	76.9	227477	PASS
175	174	5	9	7.3	16688	PASS
176	174	95	101	96.2	218837	PASS
177	176	5	9	6.5	14261	PASS

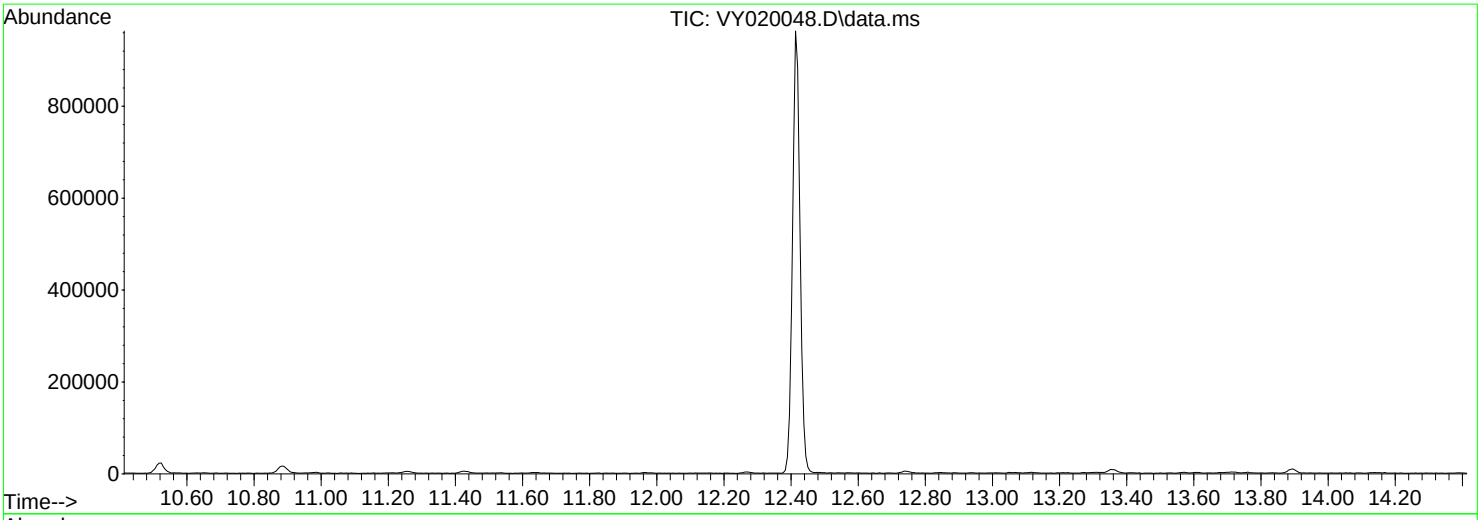
Sample Results: **VY020048.D**

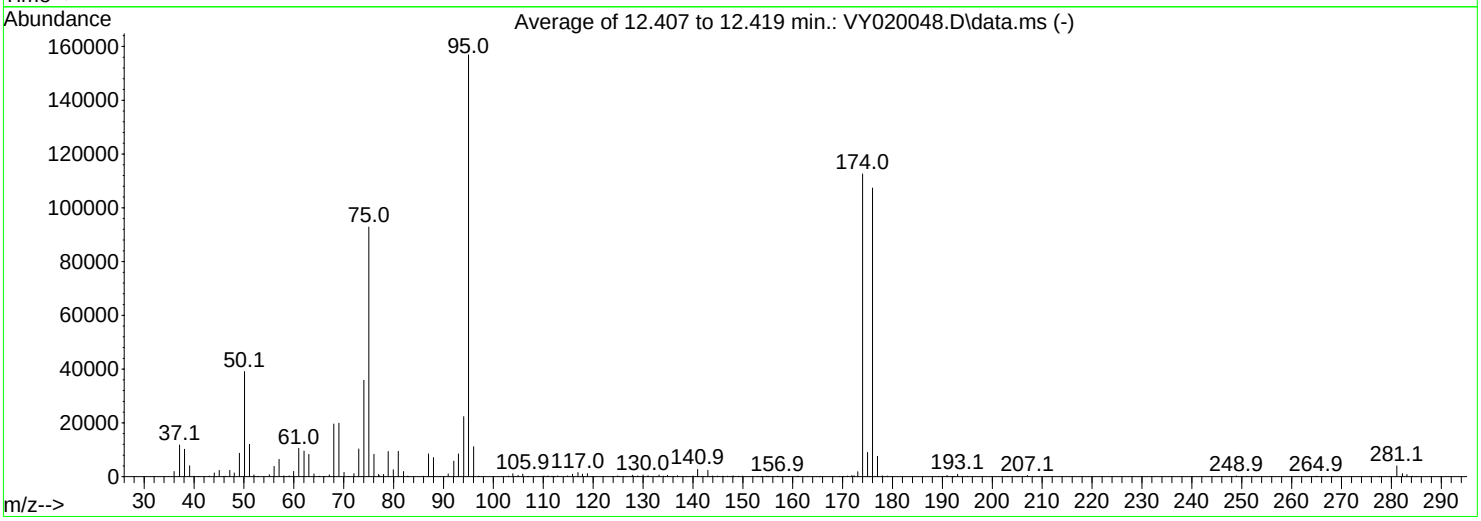
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020048.D
Acq On : 29 Oct 2024 08:58
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Title : SW846 8260
Last Update : Wed Oct 16 05:44:48 2024





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.9	39088	PASS
75	95	30	60	59.2	92827	PASS
95	95	100	100	100.0	156885	PASS
96	95	5	9	7.1	11123	PASS
173	174	0.00	2	1.6	1851	PASS
174	95	50	100	71.8	112619	PASS
175	174	5	9	8.0	9023	PASS
176	174	95	101	95.3	107336	PASS
177	176	5	9	7.1	7591	PASS

Raw Data: **VY020050.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	Pitkin Yard	Date Received:	
Client Sample ID:	VY1029SBL01	SDG No.:	P4595
Lab Sample ID:	VY1029SBL01	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
VY020050.D	1		10/29/24 10:01	VY102924

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

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	Pitkin Yard	Date Received:	
Client Sample ID:	VY1029SBL01	SDG No.:	P4595
Lab Sample ID:	VY1029SBL01	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
VY020050.D	1		10/29/24 10:01	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.00060	U	0.00060	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00057	U	0.00057	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00084	U	0.00084	0.0050	mg/Kg
591-78-6	2-Hexanone	0.0048	U	0.0048	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.00065	U	0.00065	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.00079	U	0.00079	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.00089	U	0.00089	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.00074	U	0.00074	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.00062	U	0.00062	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0014	U	0.0014	0.010	mg/Kg
95-47-6	o-Xylene	0.00070	U	0.00070	0.0050	mg/Kg
100-42-5	Styrene	0.00060	U	0.00060	0.0050	mg/Kg
75-25-2	Bromoform	0.00081	U	0.00081	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.00067	U	0.00067	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00074	U	0.00074	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00080	U	0.00080	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00059	U	0.00059	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00079	U	0.00079	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.00078	U	0.00078	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.3		50 - 163	111%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		54 - 147	99%	SPK: 50
2037-26-5	Toluene-d8	50.6		58 - 134	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		29 - 146	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	7.713			
540-36-3	1,4-Difluorobenzene	412000	8.622			
3114-55-4	Chlorobenzene-d5	366000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.346			

Raw Data: **VY020050.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	Pitkin Yard	Date Received:	
Client Sample ID:	VY1029SBL01	SDG No.:	P4595
Lab Sample ID:	VY1029SBL01	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
VY020050.D	1		10/29/24 10:01	VY102924

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\VY102924\
Data File : VY020050.D
Acq On : 29 Oct 2024 10:01
Operator : SY/MD
Sample : VY1029SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Quant Time: Oct 30 01:19:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

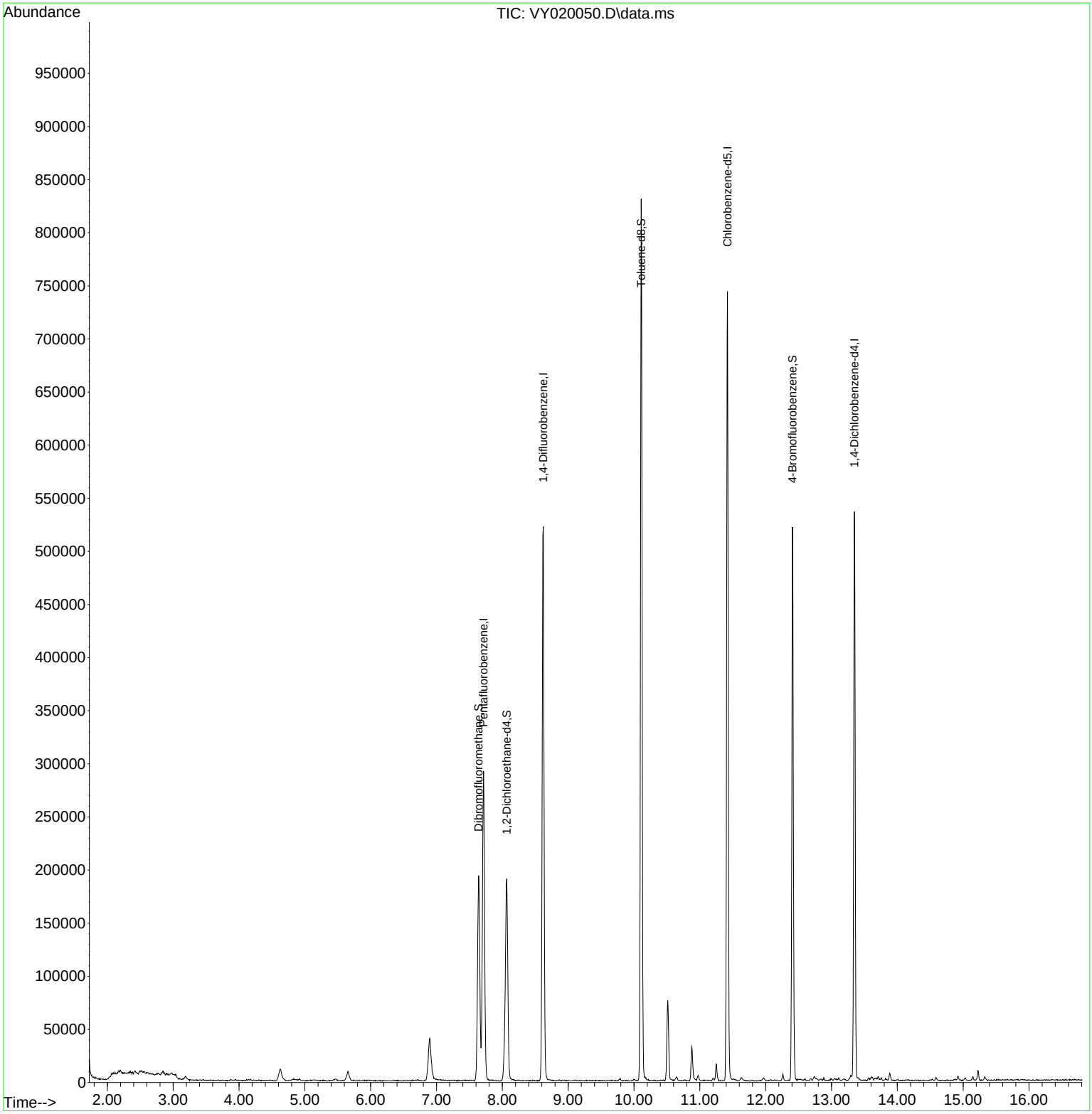
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	196117	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	412090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	365725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	118867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	133469	55.272	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.540%			
35) Dibromofluoromethane	7.640	113	134846	49.588	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.180%			
50) Toluene-d8	10.109	98	508625	50.649	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.300%			
62) 4-Bromofluorobenzene	12.407	95	143274	39.485	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 78.980%			
Target Compounds						Qvalue

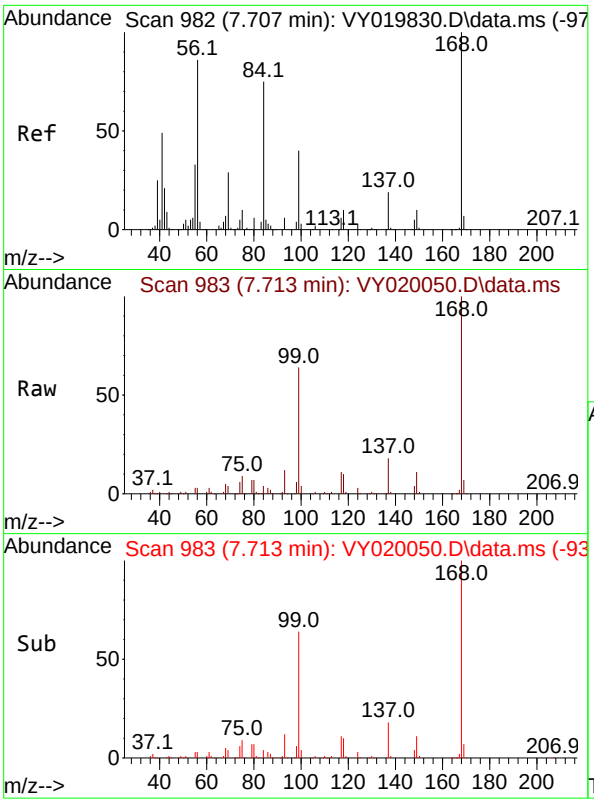
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020050.D
Acq On : 29 Oct 2024 10:01
Operator : SY/MD
Sample : VY1029SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Quant Time: Oct 30 01:19:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



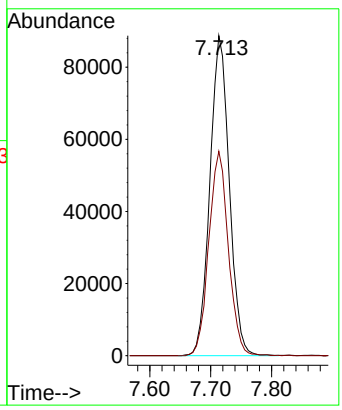


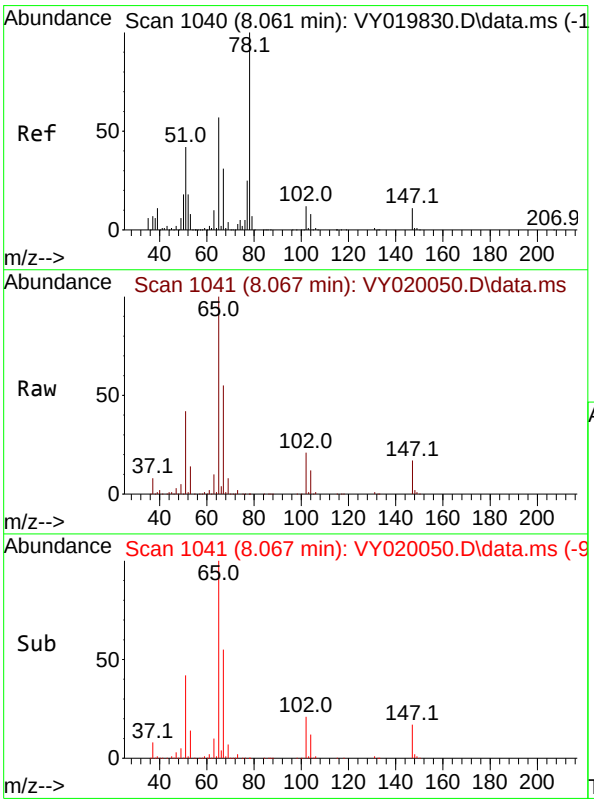
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Tgt Ion:168 Resp: 196117

Ion	Ratio	Lower	Upper
168	100		
99	63.9	39.1	58.7#

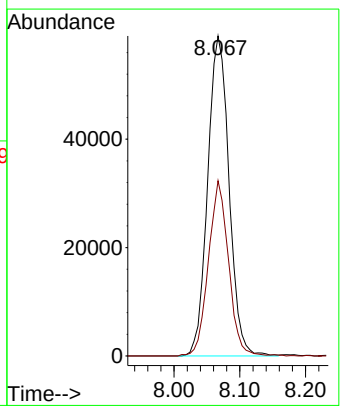


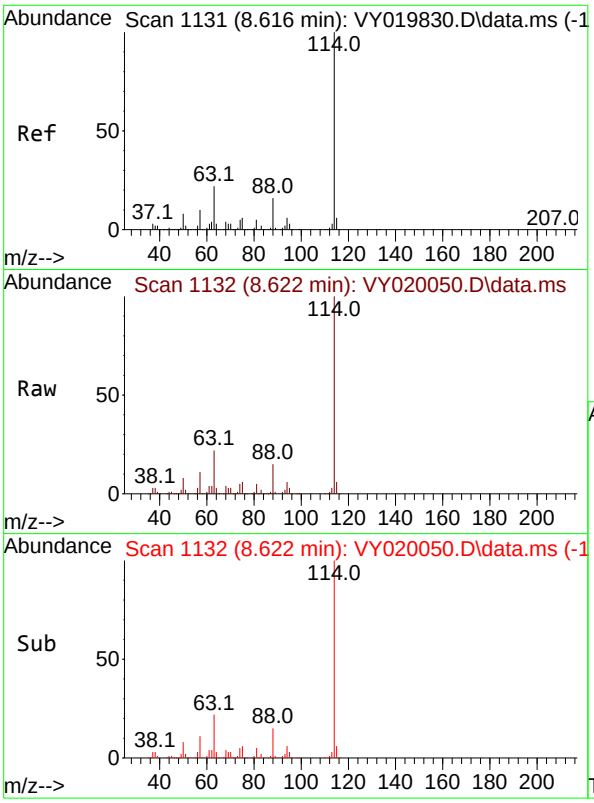


#33
1,2-Dichloroethane-d4
Concen: 55.272 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Tgt Ion: 65 Resp: 133469

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	109.6



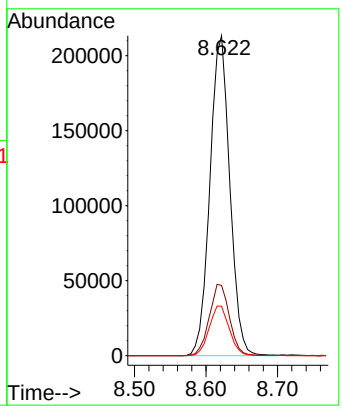


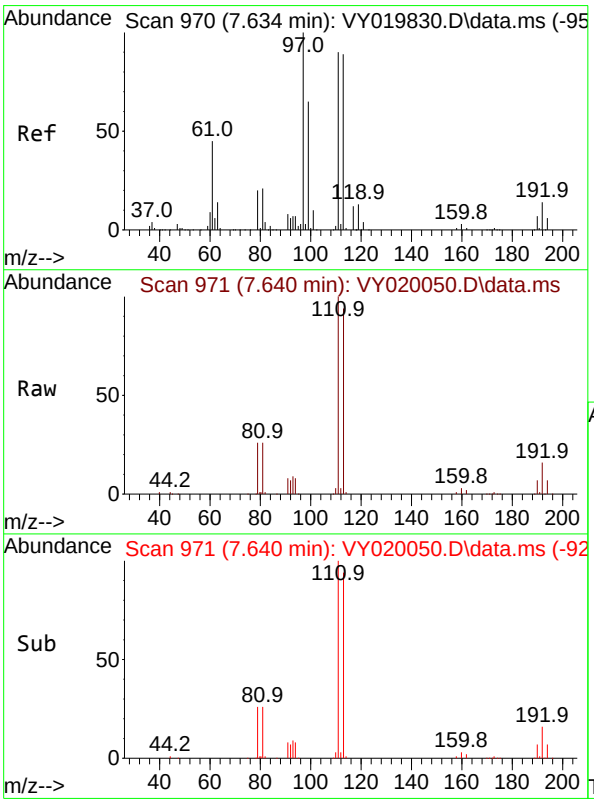
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Tgt Ion:114 Resp: 412090

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	35.0
88	15.4	0.0	27.2

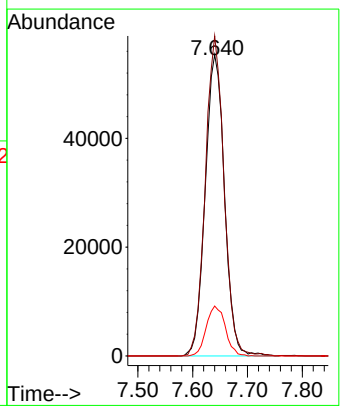


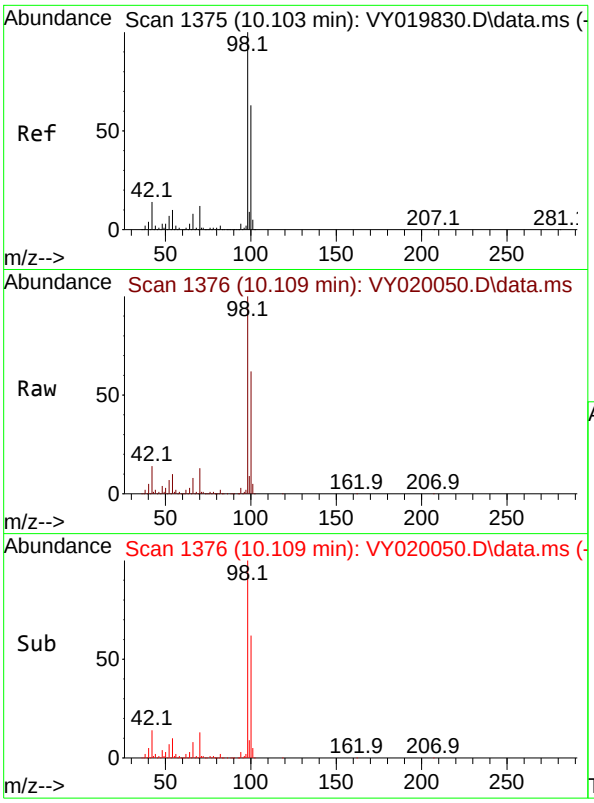


#35
Dibromofluoromethane
Concen: 49.588 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Tgt Ion:113 Resp: 134846

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	16.4	15.9	23.9



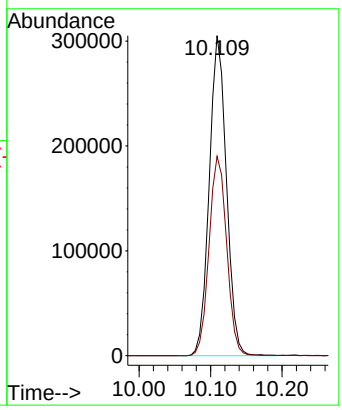


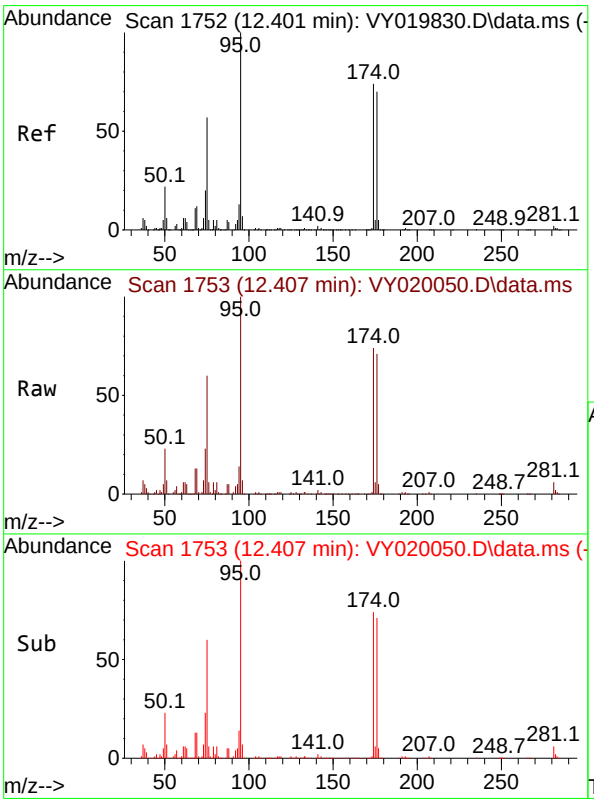
#50
Toluene-d8
Concen: 50.649 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Tgt Ion: 98 Resp: 508625

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0

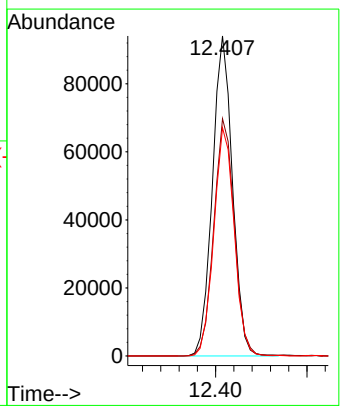


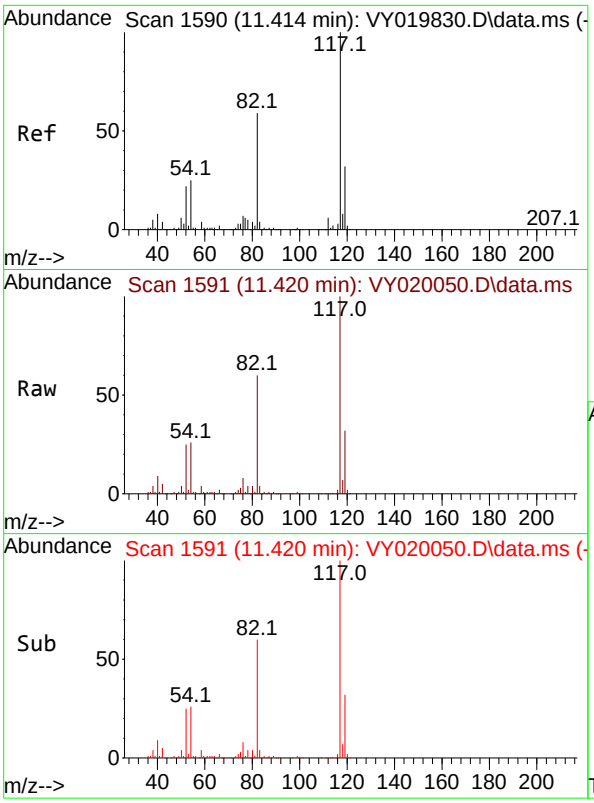


#62
4-Bromofluorobenzene
Concen: 39.485 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Tgt Ion: 95 Resp: 143274

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	175.6
176	72.4	0.0	171.4



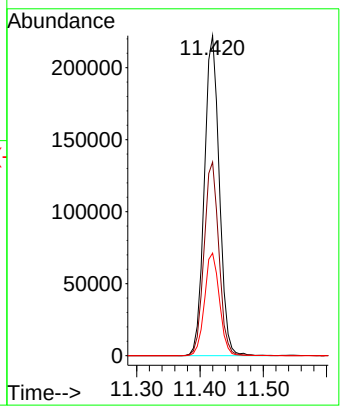


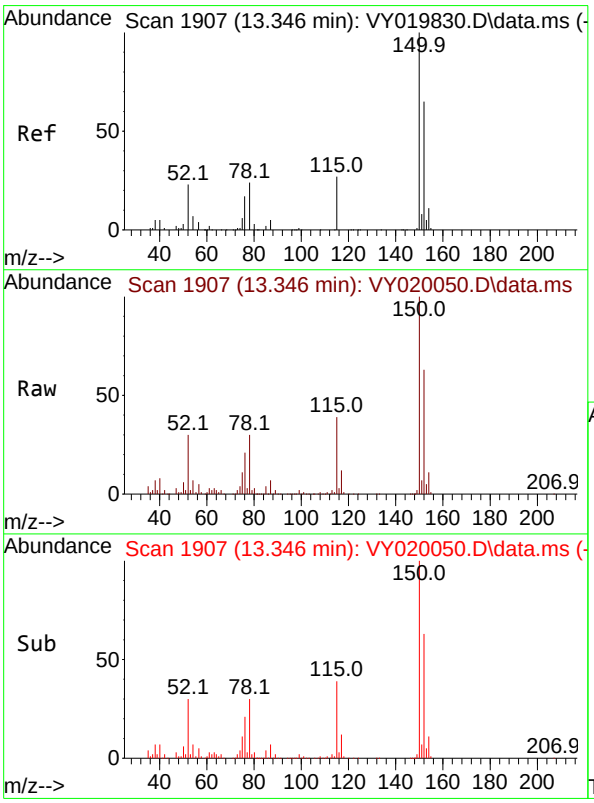
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Tgt Ion:117 Resp: 365725

Ion	Ratio	Lower	Upper
117	100		
82	60.5	42.4	63.6
119	32.0	25.9	38.9

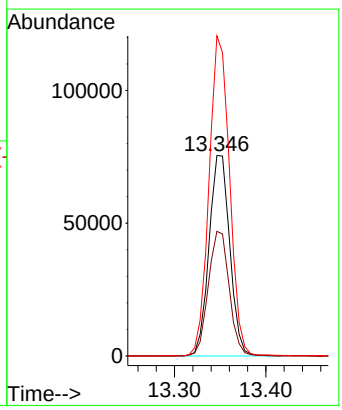




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Tgt Ion:152 Resp: 118867

Ion	Ratio	Lower	Upper
152	100		
115	62.6	28.2	84.7
150	158.3	0.0	345.6



Sample Results: **VY020050.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020050.D
Acq On : 29 Oct 2024 10:01
Operator : SY/MD
Sample : VY1029SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

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\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY020050.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	467	476	488	rBV3	10963	37151	2.64%	0.502%
2	5.653	633	645	656	rBV4	8884	26206	1.86%	0.354%
3	6.896	836	849	859	rBV	39784	127002	9.02%	1.717%
4	7.640	960	971	977	rBV	193487	465592	33.08%	6.296%
5	7.713	977	983	994	rVB	290875	650769	46.23%	8.800%
6	8.067	1028	1041	1051	rBV3	190159	503539	35.77%	6.809%
7	8.622	1123	1132	1145	rBV	521902	1033912	73.45%	13.981%
8	10.109	1368	1376	1385	rBV	830104	1407685	100.00%	19.035%
9	10.511	1434	1442	1454	rBV2	75997	144858	10.29%	1.959%
10	10.877	1496	1502	1512	rBV	31948	58416	4.15%	0.790%
11	11.249	1558	1563	1572	rVB3	15740	26303	1.87%	0.356%
12	11.420	1582	1591	1603	rBV	743130	1228749	87.29%	16.615%
13	12.407	1745	1753	1763	rBV2	520978	840669	59.72%	11.368%
14	13.346	1901	1907	1914	rVB	533404	828857	58.88%	11.208%
15	15.224	2209	2215	2221	rVB3	9743	15586	1.11%	0.211%

Sum of corrected areas: 7395294

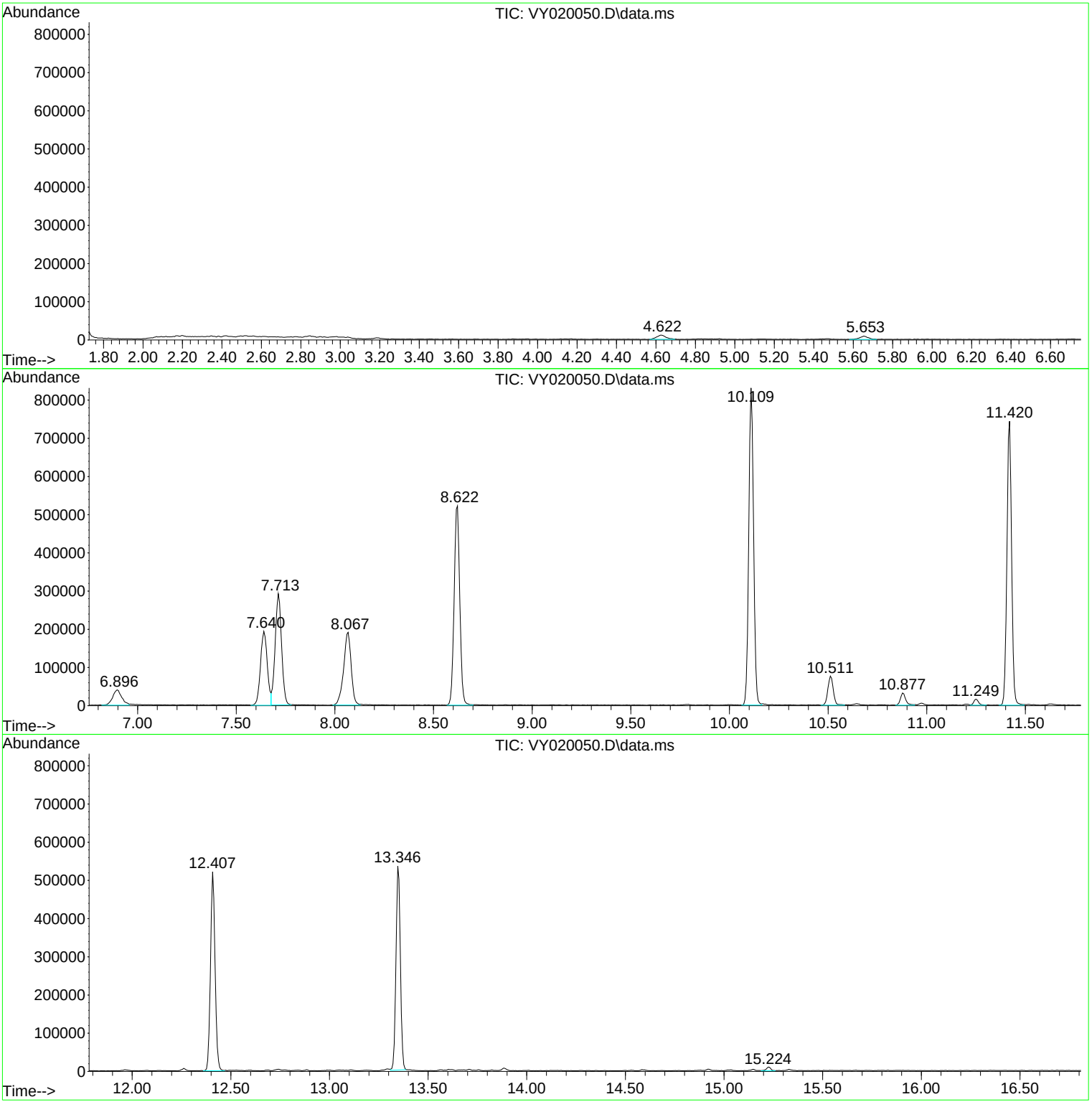
Sample Results: **VY020050.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020050.D
Acq On : 29 Oct 2024 10:01
Operator : SY/MD
Sample : VY1029SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020050.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020050.D
Acq On : 29 Oct 2024 10:01
Operator : SY/MD
Sample : VY1029SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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\VY102924\
Data File : VY020050.D
Acq On : 29 Oct 2024 10:01
Operator : SY/MD
Sample : VY1029SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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: **VY020051.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	Pitkin Yard	Date Received:	
Client Sample ID:	VY1029SBS01	SDG No.:	P4595
Lab Sample ID:	VY1029SBS01	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
VY020051.D	1		10/29/24 11:04	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.015		0.0017	0.0050	mg/Kg
74-87-3	Chloromethane	0.016		0.0012	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.018		0.00077	0.0050	mg/Kg
74-83-9	Bromomethane	0.019		0.0010	0.0050	mg/Kg
75-00-3	Chloroethane	0.020		0.0010	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.019		0.00091	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.0011	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.017		0.00078	0.0050	mg/Kg
67-64-1	Acetone	0.14		0.0062	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.010		0.0013	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.021		0.00067	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.022		0.0018	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.022		0.0034	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.018		0.00084	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.022		0.00063	0.0050	mg/Kg
110-82-7	Cyclohexane	0.017		0.00069	0.0050	mg/Kg
78-93-3	2-Butanone	0.13		0.0057	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.020		0.00087	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.021		0.00061	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.023		0.0024	0.0050	mg/Kg
67-66-3	Chloroform	0.023		0.00067	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.022		0.00078	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.016		0.00087	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00072	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.021		0.00061	0.0050	mg/Kg
79-01-6	Trichloroethene	0.019		0.00075	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.023		0.00066	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.023		0.00056	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.12		0.0044	0.025	mg/Kg
108-88-3	Toluene	0.020		0.00067	0.0050	mg/Kg

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	Pitkin Yard	Date Received:	
Client Sample ID:	VY1029SBS01	SDG No.:	P4595
Lab Sample ID:	VY1029SBS01	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
VY020051.D	1		10/29/24 11:04	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.020		0.00060	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00057	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.023		0.00084	0.0050	mg/Kg
591-78-6	2-Hexanone	0.13		0.0048	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.022		0.00065	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00079	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.018		0.00089	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00074	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.021		0.00062	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.041		0.0014	0.010	mg/Kg
95-47-6	o-Xylene	0.020		0.00070	0.0050	mg/Kg
100-42-5	Styrene	0.021		0.00060	0.0050	mg/Kg
75-25-2	Bromoform	0.022		0.00081	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.021		0.00067	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.024		0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.00074	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.021		0.00080	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.022		0.00059	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.022		0.0016	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.019		0.00079	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.019		0.00078	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		50 - 163	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		54 - 147	102%	SPK: 50
2037-26-5	Toluene-d8	50.3		58 - 134	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		29 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	186000	7.72			
540-36-3	1,4-Difluorobenzene	334000	8.622			
3114-55-4	Chlorobenzene-d5	286000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	135000	13.347			

Raw Data: **VY020051.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	Pitkin Yard	Date Received:	
Client Sample ID:	VY1029SBS01	SDG No.:	P4595
Lab Sample ID:	VY1029SBS01	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
VY020051.D	1		10/29/24 11:04	VY102924

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\VY102924\
Data File : VY020051.D
Acq On : 29 Oct 2024 11:04
Operator : SY/MD
Sample : VY1029SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 01:20:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	186283	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.622	114	334192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	285725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	134900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	118854	51.818	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.640%			
35) Dibromofluoromethane	7.640	113	112879	51.185	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.380%			
50) Toluene-d8	10.109	98	409396	50.270	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.540%			
62) 4-Bromofluorobenzene	12.408	95	147085	49.984	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	25827	14.893	ug/l	100
3) Chloromethane	2.080	50	35474	15.717	ug/l	97
4) Vinyl Chloride	2.214	62	44223	17.805	ug/l	96
5) Bromomethane	2.598	94	29055	18.482	ug/l	100
6) Chloroethane	2.739	64	32797	19.656	ug/l	97
7) Trichlorofluoromethane	3.068	101	71163	19.255	ug/l	89
8) Diethyl Ether	3.464	74	20688	18.419	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.824	101	43607	20.285	ug/l #	92
10) Methyl Iodide	4.013	142	32130	14.778	ug/l	90
11) Tert butyl alcohol	4.866	59	26387m	133.842	ug/l	
12) 1,1-Dichloroethene	3.793	96	34845	17.436	ug/l	85
13) Acrolein	3.659	56	11448	67.924	ug/l	94
14) Allyl chloride	4.397	41	69415	19.251	ug/l #	89
15) Acrylonitrile	5.074	53	60198	117.174	ug/l	97
16) Acetone	3.879	43	82827	138.719	ug/l #	81
17) Carbon Disulfide	4.116	76	54695	10.211	ug/l	96
18) Methyl Acetate	4.391	43	27741	21.568	ug/l #	88
19) Methyl tert-butyl Ether	5.128	73	121965	21.243	ug/l	95
20) Methylene Chloride	4.629	84	49107	21.804	ug/l #	75
21) trans-1,2-Dichloroethene	5.128	96	38225	17.574	ug/l #	85
22) Diisopropyl ether	6.031	45	180158	22.938	ug/l #	89
23) Vinyl Acetate	5.970	43	485811	107.896	ug/l #	92
24) 1,1-Dichloroethane	5.921	63	97435	22.317	ug/l	94
25) 2-Butanone	6.903	43	103150	129.064	ug/l #	83
26) 2,2-Dichloropropane	6.896	77	83105	21.374	ug/l	94
27) cis-1,2-Dichloroethene	6.903	96	55076	20.490	ug/l	78
28) Bromochloromethane	7.250	49	45015	23.425	ug/l #	71
29) Tetrahydrofuran	7.268	42	50969	111.692	ug/l #	80
30) Chloroform	7.427	83	103705	23.302	ug/l	96
31) Cyclohexane	7.707	56	64806	16.910	ug/l	92
32) 1,1,1-Trichloroethane	7.628	97	84591	21.688	ug/l #	93
36) 1,1-Dichloropropene	7.841	75	61159	19.250	ug/l	94
37) Ethyl Acetate	6.988	43	35245	21.274	ug/l #	94
38) Carbon Tetrachloride	7.823	117	68239	20.035	ug/l	97
39) Methylcyclohexane	9.116	83	64562	16.128	ug/l #	87
40) Benzene	8.091	78	191595	19.926	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020051.D
Acq On : 29 Oct 2024 11:04
Operator : SY/MD
Sample : VY1029SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 01:20:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	21227	23.674	ug/l	#	85
42) 1,2-Dichloroethane	8.165	62	58042	21.012	ug/l		95
43) Isopropyl Acetate	8.201	43	74293	21.989	ug/l	#	78
44) Trichloroethene	8.872	130	43223	18.560	ug/l		89
45) 1,2-Dichloropropane	9.146	63	54194	22.518	ug/l		96
46) Dibromomethane	9.238	93	27278	20.745	ug/l		88
47) Bromodichloromethane	9.427	83	78474	22.484	ug/l		100
48) Methyl methacrylate	9.225	41	31316	21.071	ug/l	#	82
49) 1,4-Dioxane	9.231	88	6613	449.354	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.000	43	201726	117.057	ug/l		89
52) Toluene	10.176	92	122305	20.378	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	63925	20.356	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	76149	20.551	ug/l	#	84
55) 1,1,2-Trichloroethane	10.573	97	39566	22.839	ug/l		100
56) Ethyl methacrylate	10.445	69	51345	20.655	ug/l	#	73
57) 1,3-Dichloropropane	10.719	76	67251	22.105	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	127158	109.883	ug/l		92
59) 2-Hexanone	10.762	43	153924	125.055	ug/l		85
60) Dibromochloromethane	10.914	129	48177	21.667	ug/l		100
61) 1,2-Dibromoethane	11.018	107	32764	20.929	ug/l		98
64) Tetrachloroethene	10.652	164	36142	17.784	ug/l		93
65) Chlorobenzene	11.444	112	132709	20.307	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	48642	21.999	ug/l		98
67) Ethyl Benzene	11.524	91	244765	20.618	ug/l		98
68) m/p-Xylenes	11.633	106	178897	40.803	ug/l		93
69) o-Xylene	11.957	106	85245	20.236	ug/l		88
70) Styrene	11.975	104	150351	21.155	ug/l		94
71) Bromoform	12.133	173	25680	21.695	ug/l	#	98
73) Isopropylbenzene	12.255	105	243064	21.421	ug/l		98
74) N-amyl acetate	12.072	43	62944	20.944	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	48220	23.916	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	34944m	13.223	ug/l		
77) Bromobenzene	12.536	156	49706	20.643	ug/l		81
78) n-propylbenzene	12.597	91	302261	22.046	ug/l		96
79) 2-Chlorotoluene	12.682	91	171019	21.757	ug/l		94
80) 1,3,5-Trimethylbenzene	12.737	105	195325	21.315	ug/l		94
81) trans-1,4-Dichloro-2-b...	12.304	75	13261	20.255	ug/l	#	74
82) 4-Chlorotoluene	12.780	91	172407	21.451	ug/l		95
83) tert-Butylbenzene	12.999	119	182466	22.227	ug/l		94
84) 1,2,4-Trimethylbenzene	13.042	105	194213	21.377	ug/l		94
85) sec-Butylbenzene	13.176	105	279579	22.794	ug/l		96
86) p-Isopropyltoluene	13.292	119	219728	22.062	ug/l		95
87) 1,3-Dichlorobenzene	13.292	146	103107	21.204	ug/l		96
88) 1,4-Dichlorobenzene	13.371	146	102087	21.370	ug/l		95
89) n-Butylbenzene	13.621	91	220214	22.644	ug/l		96
90) Hexachloroethane	13.883	117	44326	22.856	ug/l		84
91) 1,2-Dichlorobenzene	13.664	146	92483	21.646	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7168	22.277	ug/l		68
93) 1,2,4-Trichlorobenzene	14.926	180	45744	19.094	ug/l		98
94) Hexachlorobutadiene	15.029	225	26814	20.131	ug/l		94
95) Naphthalene	15.145	128	83682	18.520	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	38515	19.018	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020051.D
Acq On : 29 Oct 2024 11:04
Operator : SY/MD
Sample : VY1029SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:20:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

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

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

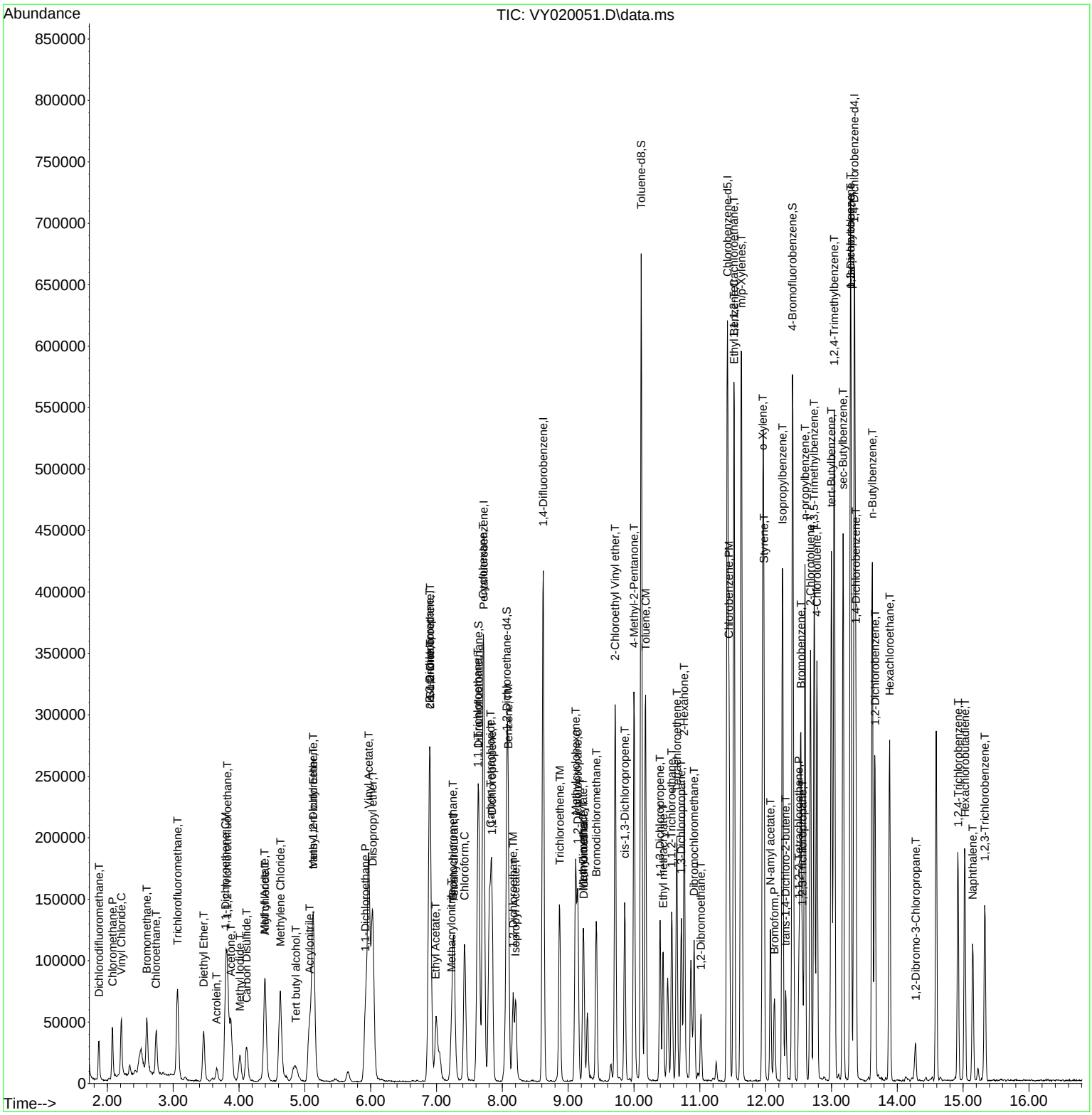
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020051.D
Acq On : 29 Oct 2024 11:04
Operator : SY/MD
Sample : VY1029SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 01:20:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



Raw Data: **VY020072.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	Pitkin Yard	Date Received:	
Client Sample ID:	VY1029SBSD01	SDG No.:	P4595
Lab Sample ID:	VY1029SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5.64 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
VY020072.D	1		10/29/24 19:28	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.014		0.0015	0.0044	mg/Kg
74-87-3	Chloromethane	0.016		0.0010	0.0044	mg/Kg
75-01-4	Vinyl Chloride	0.016		0.00068	0.0044	mg/Kg
74-83-9	Bromomethane	0.018		0.00091	0.0044	mg/Kg
75-00-3	Chloroethane	0.018		0.00090	0.0044	mg/Kg
75-69-4	Trichlorofluoromethane	0.018		0.00081	0.0044	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.018		0.00095	0.0044	mg/Kg
75-35-4	1,1-Dichloroethene	0.015		0.00069	0.0044	mg/Kg
67-64-1	Acetone	0.11		0.0055	0.022	mg/Kg
75-15-0	Carbon Disulfide	0.0090		0.0011	0.0044	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.021		0.00059	0.0044	mg/Kg
79-20-9	Methyl Acetate	0.024		0.0016	0.0044	mg/Kg
75-09-2	Methylene Chloride	0.023		0.0030	0.0089	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.016		0.00074	0.0044	mg/Kg
75-34-3	1,1-Dichloroethane	0.021		0.00056	0.0044	mg/Kg
110-82-7	Cyclohexane	0.015		0.00061	0.0044	mg/Kg
78-93-3	2-Butanone	0.12		0.0050	0.022	mg/Kg
56-23-5	Carbon Tetrachloride	0.018		0.00077	0.0044	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.019		0.00054	0.0044	mg/Kg
74-97-5	Bromochloromethane	0.021		0.0021	0.0044	mg/Kg
67-66-3	Chloroform	0.022		0.00059	0.0044	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.020		0.00069	0.0044	mg/Kg
108-87-2	Methylcyclohexane	0.014		0.00077	0.0044	mg/Kg
71-43-2	Benzene	0.018		0.00064	0.0044	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.00054	0.0044	mg/Kg
79-01-6	Trichloroethene	0.018		0.00066	0.0044	mg/Kg
78-87-5	1,2-Dichloropropane	0.020		0.00059	0.0044	mg/Kg
75-27-4	Bromodichloromethane	0.022		0.00050	0.0044	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.11		0.0039	0.022	mg/Kg
108-88-3	Toluene	0.018		0.00059	0.0044	mg/Kg

Raw Data: **VY020072.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	Pitkin Yard	Date Received:	
Client Sample ID:	VY1029SBSD01	SDG No.:	P4595
Lab Sample ID:	VY1029SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5.64 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
VY020072.D	1		10/29/24 19:28	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.019		0.00053	0.0044	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.019		0.00051	0.0044	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.022		0.00074	0.0044	mg/Kg
591-78-6	2-Hexanone	0.11		0.0042	0.022	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.00058	0.0044	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00070	0.0044	mg/Kg
127-18-4	Tetrachloroethene	0.020		0.00079	0.0044	mg/Kg
108-90-7	Chlorobenzene	0.019		0.00066	0.0044	mg/Kg
100-41-4	Ethyl Benzene	0.018		0.00055	0.0044	mg/Kg
179601-23-1	m/p-Xylenes	0.036		0.0012	0.0089	mg/Kg
95-47-6	o-Xylene	0.019		0.00062	0.0044	mg/Kg
100-42-5	Styrene	0.019		0.00053	0.0044	mg/Kg
75-25-2	Bromoform	0.021		0.00072	0.0044	mg/Kg
98-82-8	Isopropylbenzene	0.018		0.00059	0.0044	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.022		0.00098	0.0044	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.019		0.00066	0.0044	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.00071	0.0044	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.019		0.00052	0.0044	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.023		0.0014	0.0044	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.018		0.00070	0.0044	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.019		0.00069	0.0044	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		50 - 163	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.3		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		29 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	155000	7.713			
540-36-3	1,4-Difluorobenzene	285000	8.616			
3114-55-4	Chlorobenzene-d5	247000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	122000	13.347			

Raw Data: **VY020072.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	Pitkin Yard	Date Received:	
Client Sample ID:	VY1029SBSD01	SDG No.:	P4595
Lab Sample ID:	VY1029SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5.64 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
VY020072.D	1		10/29/24 19:28	VY102924

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\VY102924\
Data File : VY020072.D
Acq On : 29 Oct 2024 19:28
Operator : SY/MD
Sample : VY1029SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 30 01:30:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	154974	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	284535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	247291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	121579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	103971	54.487	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.980%			
35) Dibromofluoromethane	7.634	113	98539	52.481	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.960%			
50) Toluene-d8	10.109	98	341619	49.269	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.540%			
62) 4-Bromofluorobenzene	12.402	95	125519	50.100	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 100.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	23180	16.067	ug/l	97
3) Chloromethane	2.068	50	33742	17.970	ug/l	98
4) Vinyl Chloride	2.208	62	36828	17.823	ug/l	91
5) Bromomethane	2.598	94	27182	20.784	ug/l	95
6) Chloroethane	2.739	64	28073	20.224	ug/l	99
7) Trichlorofluoromethane	3.062	101	60964	19.828	ug/l	98
8) Diethyl Ether	3.458	74	19850	21.243	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.818	101	37196	20.799	ug/l	89
10) Methyl Iodide	4.007	142	28267	15.628	ug/l #	88
11) Tert butyl alcohol	4.872	59	19397	116.067	ug/l	98
12) 1,1-Dichloroethene	3.793	96	28541	17.167	ug/l #	70
13) Acrolein	3.665	56	8231	58.703	ug/l	95
14) Allyl chloride	4.385	41	58440	19.482	ug/l #	87
15) Acrylonitrile	5.068	53	55613	130.119	ug/l	96
16) Acetone	3.873	43	64003	128.848	ug/l #	86
17) Carbon Disulfide	4.110	76	45132	10.128	ug/l #	90
18) Methyl Acetate	4.391	43	28995	27.097	ug/l #	87
19) Methyl tert-butyl Ether	5.116	73	112572	23.568	ug/l	98
20) Methylene Chloride	4.622	84	47883	25.697	ug/l #	89
21) trans-1,2-Dichloroethene	5.116	96	32463	17.940	ug/l #	74
22) Diisopropyl ether	6.025	45	163649	25.046	ug/l #	91
23) Vinyl Acetate	5.970	43	404008	107.855	ug/l #	91
24) 1,1-Dichloroethane	5.921	63	83905	23.101	ug/l	93
25) 2-Butanone	6.896	43	88540	133.165	ug/l #	78
26) 2,2-Dichloropropane	6.890	77	64138	19.828	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	48333	21.614	ug/l	81
28) Bromochloromethane	7.244	49	37215	23.279	ug/l #	74
29) Tetrahydrofuran	7.268	42	46635	122.841	ug/l #	83
30) Chloroform	7.427	83	90554	24.457	ug/l	97
31) Cyclohexane	7.707	56	55091	17.279	ug/l	92
32) 1,1,1-Trichloroethane	7.622	97	73541	22.664	ug/l	95
36) 1,1-Dichloropropene	7.841	75	50794	18.778	ug/l	94
37) Ethyl Acetate	6.994	43	33902	24.035	ug/l	99
38) Carbon Tetrachloride	7.823	117	58291	20.101	ug/l	94
39) Methylcyclohexane	9.110	83	54690	16.046	ug/l #	86
40) Benzene	8.085	78	168308	20.559	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020072.D
Acq On : 29 Oct 2024 19:28
Operator : SY/MD
Sample : VY1029SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 30 01:30:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	20461	26.802	ug/l	#	82
42) 1,2-Dichloroethane	8.158	62	51747	22.002	ug/l		97
43) Isopropyl Acetate	8.201	43	66927	23.266	ug/l	#	78
44) Trichloroethene	8.866	130	39903	20.125	ug/l		93
45) 1,2-Dichloropropane	9.140	63	47101	22.987	ug/l		97
46) Dibromomethane	9.231	93	25397	22.686	ug/l		87
47) Bromodichloromethane	9.427	83	72766	24.488	ug/l		95
48) Methyl methacrylate	9.219	41	31099	24.577	ug/l	#	77
49) 1,4-Dioxane	9.231	88	5733	457.543	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.000	43	185111	126.162	ug/l		90
52) Toluene	10.170	92	106340	20.810	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	56195	21.018	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	67692	21.457	ug/l	#	84
55) 1,1,2-Trichloroethane	10.573	97	36434	24.701	ug/l		97
56) Ethyl methacrylate	10.439	69	46267	21.861	ug/l	#	73
57) 1,3-Dichloropropane	10.719	76	61153	23.609	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	119795	121.586	ug/l		92
59) 2-Hexanone	10.762	43	133340	127.238	ug/l		85
60) Dibromochloromethane	10.914	129	44334	23.418	ug/l		99
61) 1,2-Dibromoethane	11.018	107	30831	23.131	ug/l		97
64) Tetrachloroethene	10.646	164	38664	21.981	ug/l		92
65) Chlorobenzene	11.438	112	119694	21.162	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.518	131	43538	22.751	ug/l		99
67) Ethyl Benzene	11.518	91	212192	20.652	ug/l		97
68) m/p-Xylenes	11.627	106	154796	40.793	ug/l		94
69) o-Xylene	11.957	106	77578	21.278	ug/l		93
70) Styrene	11.969	104	133415	21.689	ug/l		96
71) Bromoform	12.133	173	23972	23.400	ug/l	#	96
73) Isopropylbenzene	12.255	105	211602	20.692	ug/l		98
74) N-amyl acetate	12.072	43	58503	21.599	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	45401	24.985	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	32405m	13.606	ug/l		
77) Bromobenzene	12.530	156	45368	20.906	ug/l		82
78) n-propylbenzene	12.597	91	261546	21.166	ug/l		96
79) 2-Chlorotoluene	12.676	91	147176	20.776	ug/l		94
80) 1,3,5-Trimethylbenzene	12.737	105	170678	20.666	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.304	75	11616	19.686	ug/l	#	78
82) 4-Chlorotoluene	12.780	91	155349	21.447	ug/l		94
83) tert-Butylbenzene	12.999	119	160088	21.638	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	170529	20.826	ug/l		96
85) sec-Butylbenzene	13.176	105	236624	21.406	ug/l		96
86) p-Isopropyltoluene	13.292	119	187650	20.905	ug/l		95
87) 1,3-Dichlorobenzene	13.286	146	92806	21.177	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	94528	21.956	ug/l		94
89) n-Butylbenzene	13.615	91	186573	21.287	ug/l		97
90) Hexachloroethane	13.877	117	39182	22.417	ug/l		81
91) 1,2-Dichlorobenzene	13.657	146	84272	21.885	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7427	25.610	ug/l		65
93) 1,2,4-Trichlorobenzene	14.919	180	44519	20.619	ug/l		94
94) Hexachlorobutadiene	15.023	225	24575	20.472	ug/l		98
95) Naphthalene	15.145	128	88861	21.821	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	39403	21.588	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020072.D
Acq On : 29 Oct 2024 19:28
Operator : SY/MD
Sample : VY1029SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:30:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

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

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

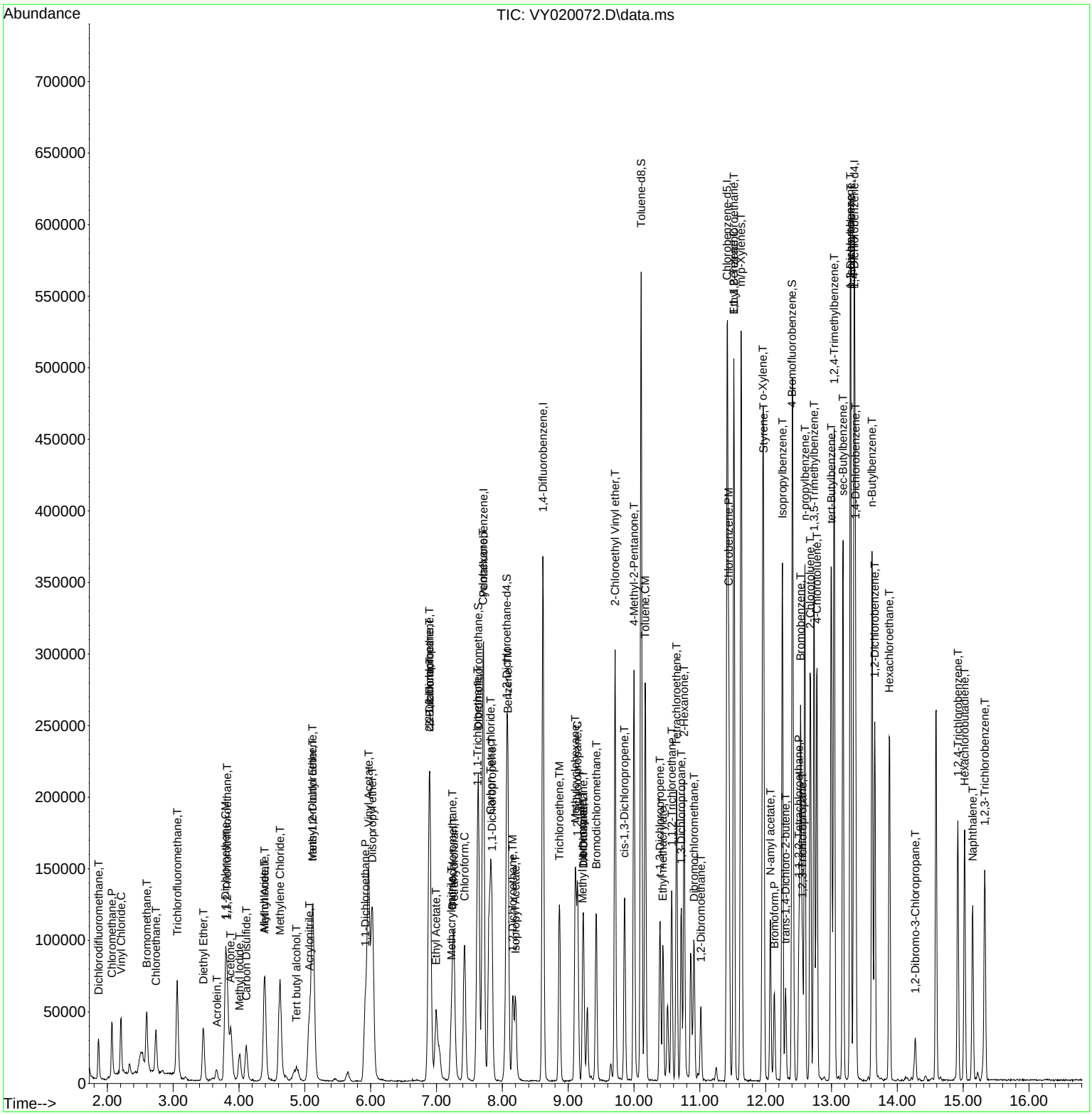
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020072.D
Acq On : 29 Oct 2024 19:28
Operator : SY/MD
Sample : VY1029SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 30 01:30:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



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

Manual Integration Report

Sequence:	VY100924	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY019827.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:35 AM	MMDadoda	10/10/2024 10:09:23 PM	Peak Integrated by Software
VSTDICC010	VY019828.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:39 AM	MMDadoda	10/10/2024 10:09:24 PM	Peak Integrated by Software
VSTDICC020	VY019829.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:29:24 AM	MMDadoda	10/10/2024 10:09:26 PM	Peak Integrated by Software
VSTDICCC050	VY019830.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:44 AM	MMDadoda	10/10/2024 10:09:28 PM	Peak Integrated by Software
VSTDICC100	VY019831.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:48 AM	MMDadoda	10/10/2024 10:09:30 PM	Peak Integrated by Software
VSTDICC150	VY019832.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:51 AM	MMDadoda	10/10/2024 10:09:32 PM	Peak Integrated by Software
VSTDICV050	VY019834.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:56 AM	MMDadoda	10/10/2024 10:09:33 PM	Peak Integrated by Software
VSTDCCC050	VY019842.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:29:13 AM	MMDadoda	10/10/2024 10:09:40 PM	Peak Integrated by Software
VSTDCCC050	VY019842.D	Methacrylonitrile	Romaben	10/10/2024 10:29:13 AM	MMDadoda	10/10/2024 10:09:40 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY102924	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020049.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:30:37 AM	MMDadoda	10/30/2024 1:22:35 PM	Peak Integrated by Software
VY1029SBS01	VY020051.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:30:40 AM	MMDadoda	10/30/2024 1:22:36 PM	Peak Integrated by Software
VY1029SBS01	VY020051.D	Tert butyl alcohol	SAM	10/30/2024 11:30:40 AM	MMDadoda	10/30/2024 1:22:36 PM	Peak Integrated by Software
VY1029SBSD01	VY020072.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:30:49 AM	MMDadoda	10/30/2024 1:22:40 PM	Peak Integrated by Software
VSTDCCC050	VY020073.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:30:53 AM	MMDadoda	10/30/2024 1:22:42 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100924

Review By	Mahesh Dadoda	Review On	10/10/2024 10:09:46 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2024 10:11:49 PM				
SubDirectory	VY100924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP130736
Initial Calibration Stds	VP130737,VP130738,VP130739,VP130740,VP130741,VP130742
CCC	VP130744,VP130745
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130746
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019826.D	09 Oct 2024 09:33	SY/MD	Ok
2	VSTDICC005	VY019827.D	09 Oct 2024 10:18	SY/MD	Ok,M
3	VSTDICC010	VY019828.D	09 Oct 2024 10:41	SY/MD	Ok,M
4	VSTDICC020	VY019829.D	09 Oct 2024 11:04	SY/MD	Ok,M
5	VSTDICCC050	VY019830.D	09 Oct 2024 11:26	SY/MD	Ok,M
6	VSTDICC100	VY019831.D	09 Oct 2024 11:49	SY/MD	Ok,M
7	VSTDICC150	VY019832.D	09 Oct 2024 12:11	SY/MD	Ok,M
8	VIBLK	VY019833.D	09 Oct 2024 12:35	SY/MD	Ok
9	VSTDICV050	VY019834.D	09 Oct 2024 15:25	SY/MD	Ok,M
10	VY1009SBL01	VY019835.D	09 Oct 2024 16:11	SY/MD	Ok
11	VY1009SBS01	VY019836.D	09 Oct 2024 16:41	SY/MD	Ok,M
12	VY1009SBSD01	VY019837.D	09 Oct 2024 17:04	SY/MD	Ok,M
13	P4343-01	VY019838.D	09 Oct 2024 17:27	SY/MD	Not Ok
14	P4353-02	VY019839.D	09 Oct 2024 17:51	SY/MD	Ok
15	P4359-01	VY019840.D	09 Oct 2024 18:14	SY/MD	Ok
16	P4344-01	VY019841.D	09 Oct 2024 18:38	SY/MD	Ok
17	VSTDCCC050	VY019842.D	09 Oct 2024 19:00	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 # VY102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:30:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:22:48 PM		
SubDirectory	VY102924	HP Acquire Method		HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131166
Initial Calibration Stds	
CCC	VP131167,VP131168
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020048.D	29 Oct 2024 08:58	SY/MD	Ok
2	VSTDCCC050	VY020049.D	29 Oct 2024 09:31	SY/MD	Ok,M
3	VY1029SBL01	VY020050.D	29 Oct 2024 10:01	SY/MD	Ok
4	VY1029SBS01	VY020051.D	29 Oct 2024 11:04	SY/MD	Ok,M
5	VY1029SBS02	VY020052.D	29 Oct 2024 11:27	SY/MD	Not Ok
6	P4566-01	VY020053.D	29 Oct 2024 12:05	SY/MD	Ok
7	P4597-01	VY020054.D	29 Oct 2024 12:28	SY/MD	Ok
8	P4575-01RE	VY020055.D	29 Oct 2024 12:52	SY/MD	Confirms
9	P4597-07	VY020056.D	29 Oct 2024 13:15	SY/MD	Not Ok
10	P4597-10	VY020057.D	29 Oct 2024 13:38	SY/MD	Ok
11	P4598-07	VY020058.D	29 Oct 2024 14:02	SY/MD	Ok
12	P4598-03	VY020059.D	29 Oct 2024 14:25	SY/MD	Ok
13	P4561-07RE	VY020060.D	29 Oct 2024 14:49	SY/MD	Confirms
14	P4597-04	VY020061.D	29 Oct 2024 15:12	SY/MD	Ok
15	P4578-05	VY020062.D	29 Oct 2024 15:36	SY/MD	Ok
16	P4578-03RE	VY020063.D	29 Oct 2024 15:59	SY/MD	Not Ok
17	P4598-11	VY020064.D	29 Oct 2024 16:22	SY/MD	Ok
18	P4595-05	VY020065.D	29 Oct 2024 16:46	SY/MD	Ok
19	P4594-19	VY020066.D	29 Oct 2024 17:09	SY/MD	Ok
20	P4594-11	VY020067.D	29 Oct 2024 17:33	SY/MD	Ok
21	P4594-03	VY020068.D	29 Oct 2024 17:56	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:30:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:22:48 PM		
SubDirectory	VY102924	HP Acquire Method		HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131166
Initial Calibration Stds	
CCC	VP131167,VP131168
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4594-07	VY020069.D	29 Oct 2024 18:19	SY/MD	ReRun
23	P4594-15	VY020070.D	29 Oct 2024 18:43	SY/MD	ReRun
24	VY1029SBS03	VY020071.D	29 Oct 2024 19:06	SY/MD	Not Ok
25	VY1029SBSD01	VY020072.D	29 Oct 2024 19:28	SY/MD	Ok,M
26	VSTDCCC050	VY020073.D	29 Oct 2024 19:51	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 # VY100924

Review By	Mahesh Dadoda	Review On	10/10/2024 10:09:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2024 10:11:49 PM		
SubDirectory	VY100924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130736
Initial Calibration Stds	VP130737,VP130738,VP130739,VP130740,VP130741,VP130742
CCC	VP130744,VP130745
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130746
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019826.D	09 Oct 2024 09:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY019827.D	09 Oct 2024 10:18		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY019828.D	09 Oct 2024 10:41		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY019829.D	09 Oct 2024 11:04		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY019830.D	09 Oct 2024 11:26	Comp. #11 is on Linear Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY019831.D	09 Oct 2024 11:49		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY019832.D	09 Oct 2024 12:11		SY/MD	Ok,M
8	VIBLK	VIBLK	VY019833.D	09 Oct 2024 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY100924	VY019834.D	09 Oct 2024 15:25		SY/MD	Ok,M
10	VY1009SBL01	VY1009SBL01	VY019835.D	09 Oct 2024 16:11		SY/MD	Ok
11	VY1009SBS01	VY1009SBS01	VY019836.D	09 Oct 2024 16:41		SY/MD	Ok,M
12	VY1009SBSD01	VY1009SBSD01	VY019837.D	09 Oct 2024 17:04		SY/MD	Ok,M
13	P4343-01	EO-03-100724	VY019838.D	09 Oct 2024 17:27	vial-B Not purged	SY/MD	Not Ok
14	P4353-02	CF-400-VOC-43	VY019839.D	09 Oct 2024 17:51	vial-A	SY/MD	Ok
15	P4359-01	EXCAVATION-SOIL	VY019840.D	09 Oct 2024 18:14	vial-A	SY/MD	Ok
16	P4344-01	TR-05-100724	VY019841.D	09 Oct 2024 18:38	vial-B	SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VY019842.D	09 Oct 2024 19:00		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 # VY102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:30:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:22:48 PM		
SubDirectory	VY102924	HP Acquire Method		HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131166
Initial Calibration Stds	
CCC	VP131167,VP131168
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020048.D	29 Oct 2024 08:58		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020049.D	29 Oct 2024 09:31		SY/MD	Ok,M
3	VY1029SBL01	VY1029SBL01	VY020050.D	29 Oct 2024 10:01		SY/MD	Ok
4	VY1029SBS01	VY1029SBS01	VY020051.D	29 Oct 2024 11:04		SY/MD	Ok,M
5	VY1029SBS02	VY1029SBS02	VY020052.D	29 Oct 2024 11:27	Not req.	SY/MD	Not Ok
6	P4566-01	HD-01-102524	VY020053.D	29 Oct 2024 12:05	vial-A	SY/MD	Ok
7	P4597-01	RED-1-1	VY020054.D	29 Oct 2024 12:28	vial-A	SY/MD	Ok
8	P4575-01RE	PL-02-102424RE	VY020055.D	29 Oct 2024 12:52	vial-B ISTD Fail	SY/MD	Confirms
9	P4597-07	BLUE-2-1	VY020056.D	29 Oct 2024 13:15	vial-A NOT PURGE	SY/MD	Not Ok
10	P4597-10	BLUE-2-2	VY020057.D	29 Oct 2024 13:38	vial-A	SY/MD	Ok
11	P4598-07	BP-F11-VOC	VY020058.D	29 Oct 2024 14:02	vial-A	SY/MD	Ok
12	P4598-03	BP-F12-VOC	VY020059.D	29 Oct 2024 14:25	vial-A	SY/MD	Ok
13	P4561-07RE	BP-F-18-VOCRE	VY020060.D	29 Oct 2024 14:49	vial-B Internal Standard Fail	SY/MD	Confirms
14	P4597-04	RED-1-2	VY020061.D	29 Oct 2024 15:12	vial-A	SY/MD	Ok
15	P4578-05	WB-305-BOT	VY020062.D	29 Oct 2024 15:36	vial-B	SY/MD	Ok
16	P4578-03RE	WB-305-TOPRE	VY020063.D	29 Oct 2024 15:59	vial-B Internal Standard Fail; Not match with first run	SY/MD	Not Ok
17	P4598-11	TP-8-VOC	VY020064.D	29 Oct 2024 16:22	vial-A	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:30:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:22:48 PM		
SubDirectory	VY102924	HP Acquire Method		HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131166
Initial Calibration Stds	
CCC	VP131167,VP131168
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4595-05	PITKIN-GRAB	VY020065.D	29 Oct 2024 16:46	vial-A	SY/MD	Ok
19	P4594-19	BP-F15-VOC	VY020066.D	29 Oct 2024 17:09	vial-A	SY/MD	Ok
20	P4594-11	BP-F16-VOC	VY020067.D	29 Oct 2024 17:33	vial-A	SY/MD	Ok
21	P4594-03	TP-4-VOC	VY020068.D	29 Oct 2024 17:56	vial-A	SY/MD	Ok
22	P4594-07	BP-F17-VOC	VY020069.D	29 Oct 2024 18:19	vial-A Internal Standard Fail	SY/MD	ReRun
23	P4594-15	TP-5-VOC	VY020070.D	29 Oct 2024 18:43	vial-A Internal Standard Fail	SY/MD	ReRun
24	VY1029SBS03	VY1029SBS03	VY020071.D	29 Oct 2024 19:06	Not req.	SY/MD	Not Ok
25	VY1029SBSD01	VY1029SBSD01	VY020072.D	29 Oct 2024 19:28		SY/MD	Ok,M
26	VSTDCCC050	VSTDCCC050EC	VY020073.D	29 Oct 2024 19:51		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/29/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/28/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/29/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133172

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
P4594-01	TP-4	1	1.15	8.65	9.8	8.87	89.2	
P4594-02	TP-4-EPH	2	1.15	8.55	9.7	8.83	89.8	
P4594-03	TP-4-VOC	3	1.18	8.62	9.8	8.85	89.0	
P4594-05	BP-F17	4	1.14	8.85	9.99	9.02	89.0	
P4594-06	BP-F17-EPH	5	1.17	8.56	9.73	8.77	88.8	
P4594-07	BP-F17-VOC	6	1.19	8.73	9.92	8.98	89.2	
P4594-09	BP-F16	7	1.18	8.40	9.58	8.3	84.8	
P4594-10	BP-F16-EPH	8	1.12	8.70	9.82	8.68	86.9	
P4594-11	BP-F16-VOC	9	1.16	8.63	9.79	8.34	83.2	
P4594-13	TP-5	10	1.16	8.66	9.82	8.87	89.0	
P4594-14	TP-5-EPH	11	1.17	8.38	9.55	8.63	89.0	
P4594-15	TP-5-VOC	12	1.12	8.65	9.77	8.86	89.5	
P4594-17	BP-F15	13	1.19	8.58	9.77	8.84	89.2	
P4594-18	BP-F15-EPH	14	1.18	8.66	9.84	8.78	87.8	
P4594-19	BP-F15-VOC	15	1.12	8.77	9.89	8.81	87.7	
P4595-01	PITKIN-COMP	16	1.12	8.73	9.85	9.28	93.5	
P4595-03	PITKIN-THP2	17	1.15	8.69	9.84	9.36	94.5	
P4595-04	PITKIN-TPH3	18	1.17	8.80	9.97	9.4	93.5	
P4595-05	PITKIN-GRAB	19	1.15	8.37	9.52	9.16	95.7	
P4597-01	RED-1-1	20	1.15	8.44	9.59	8.61	88.4	
P4597-02	RED-1-1-E2	21	1.15	8.68	9.83	9.00	90.4	
P4597-04	RED-1-2	22	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P4597-05	RED-1-2-E2	23	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P4597-07	BLUE-2-1	24	1.16	8.69	9.85	8.58	85.4	
P4597-08	BLUE-2-1-E2	25	1.17	8.65	9.82	8.37	83.2	
P4597-10	BLUE-2-2	26	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P4597-11	BLUE-2-2-E2	27	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P4598-01	BP-F12	28	1.12	8.73	9.85	8.81	88.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/29/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/28/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/29/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133172

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
P4598-02	BP-F12-EPH	29	1.19	8.65	9.84	8.72	87.1	
P4598-03	BP-F12-VOC	30	1.15	8.82	9.97	8.63	84.8	
P4598-05	BP-F11	31	1.17	8.50	9.67	8.8	89.8	
P4598-06	BP-F11-EPH	32	1.15	8.81	9.96	9.16	90.9	
P4598-07	BP-F11-VOC	33	1.17	8.49	9.66	8.73	89.0	
P4598-09	TP-8	34	1.18	8.60	9.78	9.02	91.2	
P4598-10	TP-8-EPH	35	1.17	8.68	9.85	8.97	89.9	
P4598-11	TP-8-VOC	36	1.12	8.55	9.67	9.05	92.7	

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

WORKLIST(Hardcopy Internal Chain)

VB 133172

WorkList Name : %1-102824 **WorkList ID :** 184850 **Department :** Wet-Chemistry **Date :** 10-28-2024 08:24:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4594-01	TP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-02	TP-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-03	TP-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-05	BP-F17	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-06	BP-F17-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-07	BP-F17-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-09	BP-F16	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-10	BP-F16-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-11	BP-F16-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-13	TP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-14	TP-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-15	TP-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-17	BP-F15	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-18	BP-F15-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4594-19	BP-F15-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/26/2024	Chemtech -SO
P4595-01	PITKIN-COMP	Solid	Percent Solids	Cool 4 deg C	TULL02	K61	10/28/2024	Chemtech -SO
P4595-03	PITKIN-THP2	Solid	Percent Solids	Cool 4 deg C	TULL02	K61	10/28/2024	Chemtech -SO
P4595-04	PITKIN-TPH3	Solid	Percent Solids	Cool 4 deg C	TULL02	K61	10/28/2024	Chemtech -SO
P4595-05	PITKIN-GRAB	Solid	Percent Solids	Cool 4 deg C	TULL02	K61	10/28/2024	Chemtech -SO
P4597-01	RED-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/28/2024	Chemtech -SO
P4597-02	RED-1-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/28/2024	Chemtech -SO

Date/Time 10/28/24 15:35

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 10/28/24 17:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 133172

WorkList Name : %1-102824 **WorkList ID :** 184850 **Department :** Wet-Chemistry **Date :** 10-28-2024 08:24:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4597-04	RED-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/28/2024	Chemtech -SO
P4597-05	RED-1-2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/28/2024	Chemtech -SO
P4597-07	BLUE-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/28/2024	Chemtech -SO
P4597-08	BLUE-2-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/28/2024	Chemtech -SO
P4597-10	BLUE-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/28/2024	Chemtech -SO
P4597-11	BLUE-2-2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/28/2024	Chemtech -SO
P4598-01	BP-F12	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/28/2024	Chemtech -SO
P4598-02	BP-F12-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/25/2024	Chemtech -SO
P4598-03	BP-F12-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/25/2024	Chemtech -SO
P4598-05	BP-F11	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/25/2024	Chemtech -SO
P4598-06	BP-F11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/25/2024	Chemtech -SO
P4598-07	BP-F11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/25/2024	Chemtech -SO
P4598-09	TP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/25/2024	Chemtech -SO
P4598-10	TP-8-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/25/2024	Chemtech -SO
P4598-11	TP-8-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/25/2024	Chemtech -SO

Date/Time 10/26/24 15:35
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

Date/Time 10/26/24 17:20
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. / QUOTE NO.: P4595
COC Number: 2041038

CLIENT INFORMATION (REPORT TO BE SENT TO)

COMPANY: ~~PSEG~~ TULLY
ADDRESS: Eldert Ln & Blake Ave
CITY Brooklyn STATE: NY ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Tully - PitKin
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 SVOC - PAH
2 TCLP Extraction
3 TCLP ICP Metals
4 TCLP Mercury
5 Corrosivity / Ignitability
6 Reactive CN/S/Fide
7 TAL Metals + Mercury
8 TPH
9 TCL VOC

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	PitKin - Comp	Soil	X		10.28.24	811	7	X	X	X	X	X	X	X	X		30.1 ppm
2.	PitKin - TPH2		X			816	1								X		
3.	PitKin - TPH3		X			822	1								X		
4.	PitKin - Grab			X		829	4									X	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

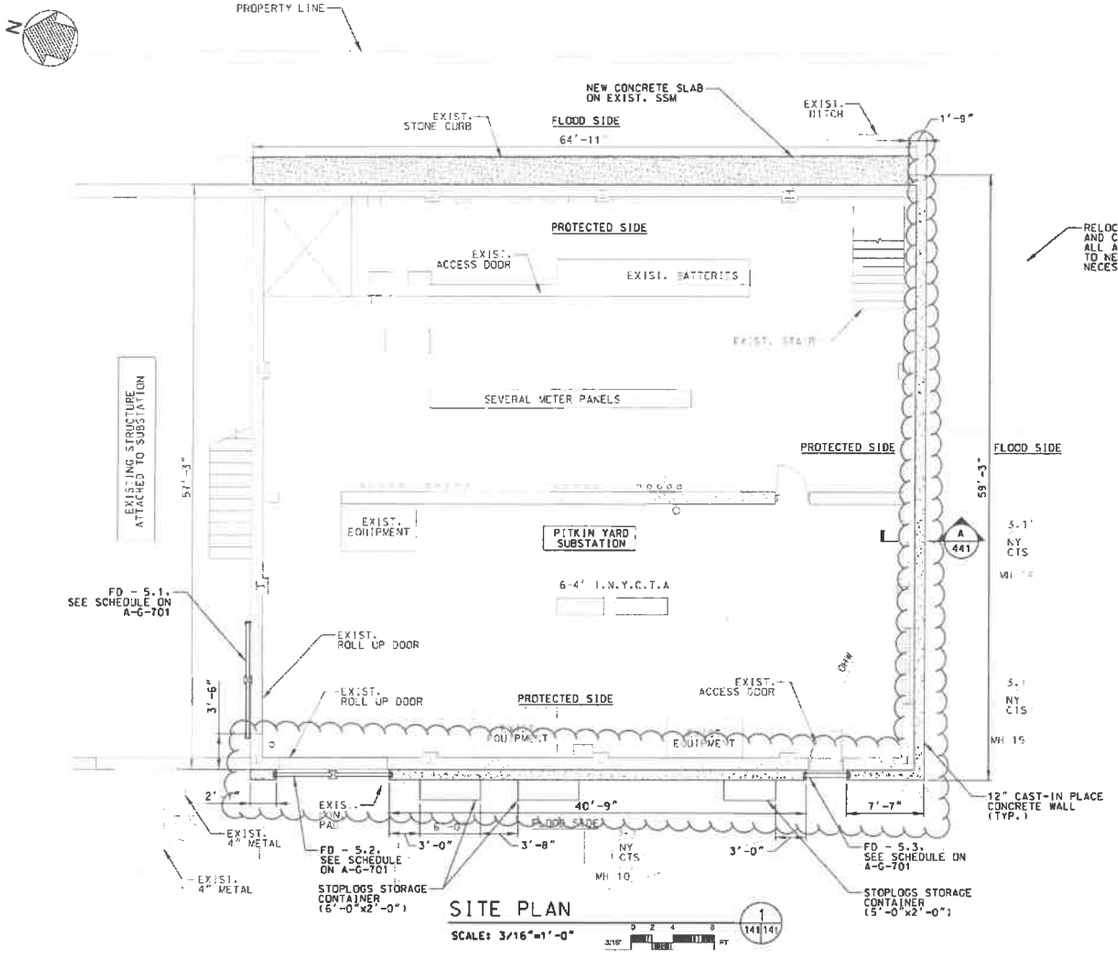
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	JT	10-28-24 845	1.
2.			2.
3.	JT	10.28.24 1200	3.

Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5 °C
Comments: PID calibrated 10-28-24

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



SITE PLAN

SCALE: 3/16"=1'-0"

GENERAL NOTES:

1. PROVIDE ARCHITECTURAL CONCRETE AND FINISH TREATMENTS FOR PERIMETER FLOOD WALL AS SHOWN ON THE PRELIMINARY DRAWINGS. CONCRETE SHALL HAVE VERTICAL REVEAL JOINTS AT 4 FEET ON CENTER.
2. RESTORE SITE HARDSCAPING MATERIALS, FENCING AND PLANTINGS ADJACENT TO THE BUILDING AT AREAS FOR THE FLOOD WALL INSTALLATION.
3. FLOOD DEVICE DETAILS SHOWN HERE ARE FOR REFERENCE ONLY. FLOOD DEVICE SHOP DRAWINGS AND DESIGN CALCULATIONS SHALL BE PROVIDED BY THE MANUFACTURER IN ACCORDANCE WITH DESIGN DOCUMENTS FOR ENGINEER'S REVIEW.
4. REFER TO P36343-A-G-701 FOR FLOOD DEVICE OPENING SCHEDULE.
5. PREFORMED EXPANSION JOINT FILLER COMPLYING WITH ASTM D1752, TYPE-I (SPONGE RUBBER)

BUILDING CODE NOTES:

1. ALL WORK HAS BE IN ACCORDANCE WITH NEW YORK STATE BUILDING CODE AND REFERENCED CODE, STANDARDS AND REGULATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF NEW YORK STATE, OSHA 1926, AND OSHA 1910.3
3. EXISTING BUILDING CODE CLASSIFICATIONS:
   3.1 OCCUPANCY: "U" UTILITY STRUCTURE
   3.2 CONSTRUCTION: IIA
   3.3 UNOCCUPIED
4. BUILDING IS AN ELECTRICAL SUBSTATION AND IS UNOCCUPIED.
5. ACCESSIBILITY - BUILDING IS EXEMPT FROM ACCESSIBILITY REQUIREMENT OF THE NYS BUILDING CODE PER SECTION BC 1103.2.4 UTILITY BUILDINGS AND BC 1103.2.9 EQUIPMENT SPACES.
6. PROJECT WORK SCOPE - FLOOD MITIGATION ONLY.
   6.1 NO CHANGE IN OCCUPANCY OR USE OF BUILDING.
   6.2 NO CHANGE IN CONSTRUCTION TYPE.
   6.3 NO CHANGE IN MEANS OF EGRESS FROM BUILDING.
7. 2020 EXISTING BUILDING CODE OF NEW YORK STATE SHALL GOVERN WORK. METHOD OF COMPLIANCE SHALL BE CLASSIFICATION OF WORK:
   7.1 ALTERATION LEVEL 1 - REPLACEMENT OF CONDUIT SEALANTS.
   7.2 ALTERATION LEVEL 2 - CONCRETE FLOOD WALL AND FLOOD BARRIER DEVICES.

REVISION	DESCRIPTION	DATE	APPROVED

REVISIONS

MTA CONSTRUCTION & DEVELOPMENT

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

PITKIN YARD SUBSTATION
SITE PLAN

REGISTERED ARCHITECT ANTHONY DAWKINS 032436 STATE OF NEW YORK

DRAWN BY	NA. DARBHA	DarbSn	DATE: 12/08/2023
DESIGNED BY	E. DAWKINS, RA	Ersel Dawkins	DISCIPLINE: ARCHITECTURAL
CHECKED BY	L. ASHABIB	Liliana Ashabib	P36343-PIT-A-141
APPROVED BY	E. DAWKINS, RA	Ersel Dawkins	REVISION

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

Project Name: Tully - Pitkin
Service Order #:
Work Order #:
Labor WBS #:
Facility/Site: MOW Building
Site Address: Elder Lane & Blake Ave, Brooklyn NJ

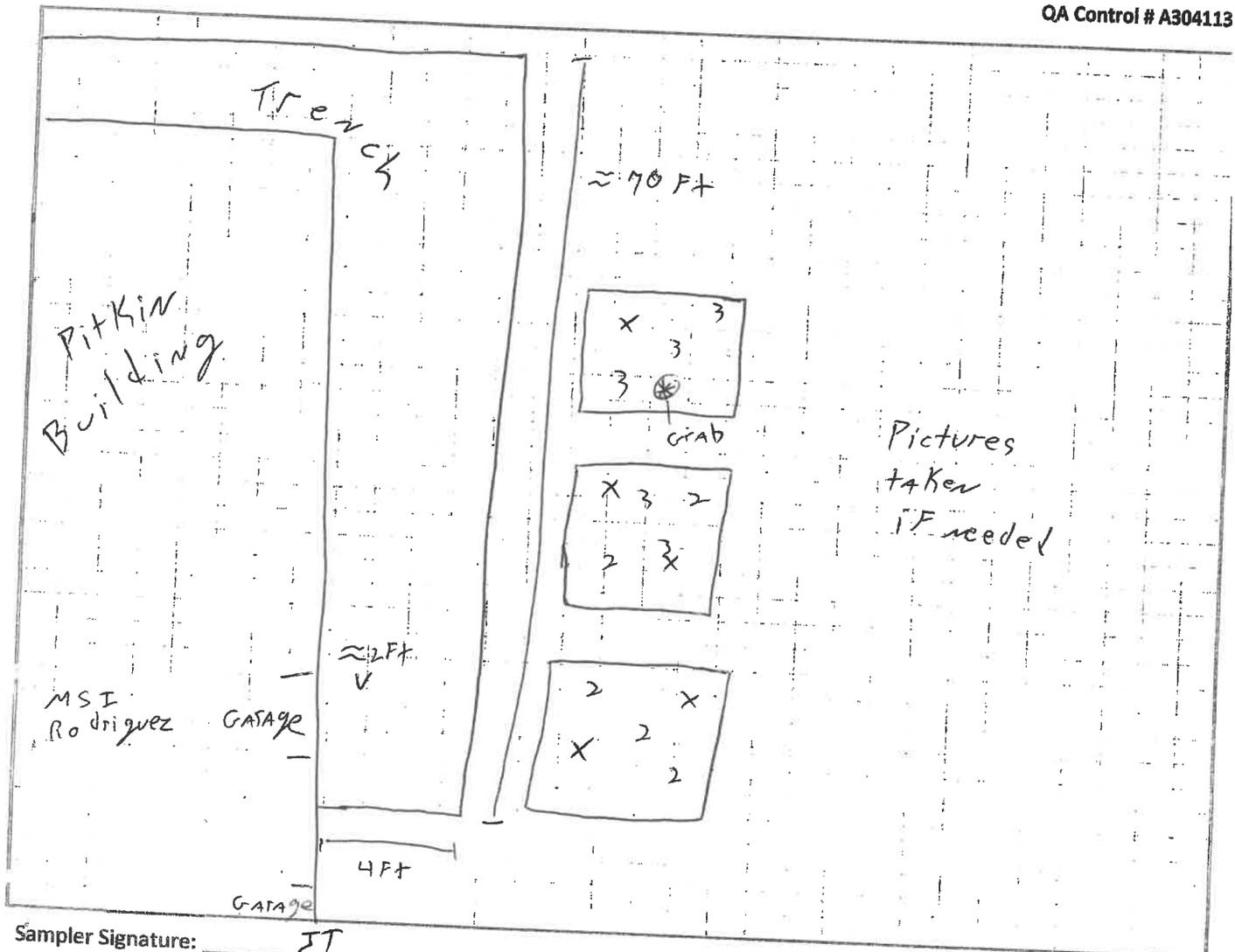
Chemtech Order ID:
Sampler Name: JT
Client Project Coordinator & Phone:
Page #: 1 of 1
Date: 10.28.24
Arrive Time: 800
Depart Time: 845

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

Collection Depths: NA
Dimensions/CY: NA
Temp (range): °C PID Readings (range): 30.1 PPM Odor: Y / N Color: Y / N
Sample Description: Brown soil, a little Rocky
Field Observations: Sample taken From storage bags next to excavation

Grid/Area Composite Map:

QA Control # A304113



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

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4595 TULL02
Client Name : Tully Construction Co., Inc.
Client Contact : Dean Devoe
Invoice Name : Tully Construction Co., Inc.
Invoice Contact : Dean Devoe

Order Date : 10/28/2024 11:31:00 AM
Project Name : ~~Liberty Ave & 76th St~~ Pitkin Yard.
Receive DateTime : 10/28/2024 12:00:00 AM
Purchase Order :

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

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4595-05	PITKIN-GRAB	Solid	10/28/2024	08:29					
					VOC-TCLVOA-10		8260D		5 Bus. Days

Relinguished By : JT
Date / Time : 10-28-24 1215

Received By :
Date / Time : 10.28.24 12:15

Storage Area : VOA Refridgerator Room